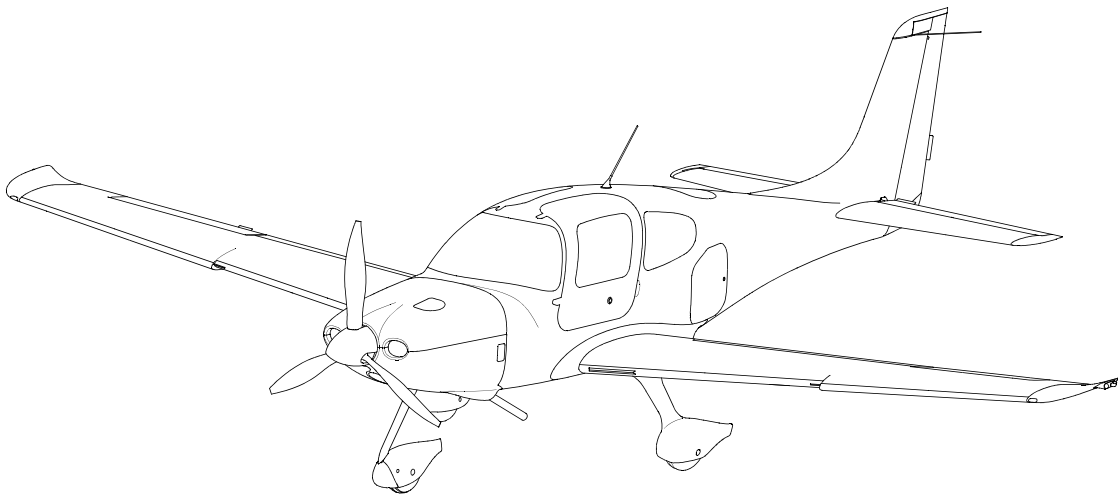


AIRPLANE WIRING MANUAL

**For the
CIRRUS SR20
Aircraft Serials 20-1005 thru 20-2338**



CIRRUS DESIGN INCORPORATED

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INTRODUCTION

1. PURPOSE

This Cirrus Design SR20 Airplane Wiring Manual was prepared by Cirrus Design Technical Publications. This manual contains information necessary to enable a trained mechanic to troubleshoot, test, and repair electrical wiring in the Cirrus Design SR20. It also includes information necessary for the mechanic to perform maintenance or make minor repair to wiring in the airplane normally requiring such action on the flight line or in the maintenance hangar.

2. REVISIONS

This manual has been prepared in loose-leaf form for ease in inserting revisions. Numbered tabbed dividers, throughout the manual, are in standard GAMA format and allow quick reference to data in each section. Logical and convenient Tables of Contents are located at the beginning of each chapter to aid in locating specific data within that chapter.

Numbered revisions will be issued periodically. These revisions are printed on white paper and contain a revision instruction sheet to assist the user in filing the change. Upon receipt of a numbered revision, file it according to the provided instructions as soon as possible. Additionally, a record of filing must be made on the Log of Revisions page in the front matter of the Wiring Manual.

3. TEMPORARY REVISIONS

Temporary revisions are used to provide time sensitive information and changes as they become available. Temporary revisions provide, with the least possible delay, new information which assists in maintaining safe and efficient flight/ground operations. Temporary revisions are incorporated at the next regularly scheduled revision and become a permanent part of the manual.

Upon receipt of a Temporary Revision, file the revision in the applicable chapter in accordance with filing instructions that appear on the Temporary Revision. Additionally, a record of filing the Temporary Revision must be made in the Log of Temporary Revisions located in the front matter of the Wiring Manual. Typically, the Log of Temporary Revisions will be replaced by a blank log when a numbered revision is issued.

Temporary Revisions should be removed from this manual only when removal instructions are noted on the regular revision summary sheet or by instructions noted on a superseding Temporary Revision.

4. REVISION BARS

Changes to data in an existing section will be identified by a revision bar in the outer margin of the page. Pointing hands (☞) and/or change bars are used in figures to indicate changes.

5. LEVEL OF COVERAGE

The level of wiring diagram coverage (breakdown) in this manual is to the line replaceable unit (LRU) level. LRUs in this manual are indicated by a phantom line box with the LRU's nomenclature at the top of the box. Normally, there is no electrical breakdown of the LRU. However, as an aid for troubleshooting, the circuit function at each pin/socket at the LRU's connector is normally labeled. Component boxes with a Chapter-Section-Diagram reference in them will have further breakdown at the referenced location.

The wiring diagrams in this manual cover the *as delivered* airplane configuration and airplanes modified by Cirrus Design Service Bulletins only. Documentation for wiring changes or modifications made in any other fashion are the responsibility of the person(s) performing the modification.

Troubleshooting may be performed using this manual and any optional avionics & electrical wiring diagrams provided at delivery of the airplane.

6. WIRING MANUAL ORGANIZATION

The content of this manual is arranged and presented in the same Aircraft Group, Chapter, and Section arrangement as appears in the Airplane Maintenance Manual (AMM) and Illustrated Parts Catalog (IPC). Therefore, the user can usually expect to find coverage of items in the AMM, or IPC, in the same Chapter/Section of the Wiring manual.

EFFECTIVITY:
All

The numbering system employed in this catalog is composed of a six-digit number containing three elements. Each element consists of two digits as shown in the following example.

First Element		Second Element		Third Element
Chapter		Section		Diagram
XX	-	XX	-	XX

For example, a wiring diagram Chapter-Section-Diagram numbered 27-30-01 provides the following information: The first element (27) indicates Chapter 27 (Flight Controls); the second element (30) indicates Section 30 (Elevator and Tab); the third element reflects the Diagram Number (Pitch Trim System.) Where these numbers are shown inside component boxes, they are provided as references to the diagram in the Wiring Manual where a detail of that components wiring may be found. Where these numbers are shown at the end of a wire or group of wires, they are provided as references to the location where the wires are continued.

Note: When a diagram is referenced to another, the diagram number only is used. Therefore, where there is more than one page of the referenced diagram, it is necessary to refer to the airplane serial effectivity block, at the lower left corner of the page, to determine that the diagram applies to the aircraft in question.

The page numbers 1 to 100 are used to separate changes in effectivity. The first page (page 1) will show the original configuration. The second page (page 2) and on will shown various configurations on subsequent aircraft. If a diagram requires more than one page for illustration, sheet numbers will be used, e.g. Stall Warning System (1 of 2).

The page numbers 101 and subsequent will be used for component or black box wiring. Page 101 is used for the original configuration. Pages 102 and subsequent are used for subsequent aircraft configurations. If a diagram requires more than one page for an illustration, numbers will be used.

7. ABBREVIATIONS

The following abbreviations have been used throughout this manual:

1 ALT. - Single Alternator	CONFIG - Configuration	P/N - Part Number
2 ALT. - Dual Alternator	DET - Detail	PFD - Primary Flight Display
ALL ELEC. - All Electric	EXHTD - Exhausted	REF or RF- Reference
ALT - Alternate	FUS STA - Fuselage Station	RH - Right Hand
AR - As Required	FWD - Forward	SNDL HSI - Sandel HSI
ASSY - Assembly	INSTL- Installation	SRV - VFR only SR20
BHD - Bulkhead	LH - Left hand	SUBS - Subsequent
BL - Buttock Line	NHA - Next Higher Assy	W/ - With
CNTRY HSI - Century HSI	NP - Not Procurable	WS - Wing Station

8. AIRCRAFT SERIAL NUMBER EFFECTIVITY

Airplane effectivity for each wiring diagram is indicated in the effectivity box located at the lower left corner of each diagram. Effectivity is given by airplane serial number. Breaks in effectivity are indicated by commas. For example, an effectivity listing of "1005, 1009 thru 1015, 1020 and Subs" indicates that the diagram is effective for airplane serial number 1005, skips 1006 through 1008, is effective for airplane serial number 1009 through airplane serial 1015, skips airplane serials 1016 through 1019, and is effective for airplane serials 1020 and subsequent.

Note: When effectivities are conditional to modifications, such as Service Bulletins, the airplane logbook should be checked to determine the proper replacement parts.

For content specified with serials followed by “and subsequent” or “& subs”, effectivity in this WM ends as follows:

Model	End Effectivity
SR20	2338

A. Special Conditions

New features are sometimes introduced on a “pilot” airplane before going into regular production. As a result, certain parts or assemblies are installed on a range of airplanes with a “split” or a break in affected serial number range.

For example, a split effectivity listing of “Serials 2420, 2438 & subs” indicates that the part or assembly is effective for airplane serial number 2420, skips airplane serial numbers 2421 through 2437, and is effective for airplane serials 2438 and subsequent.

See the following Special Conditions table, for a list of airplane serial numbers affected by split effectivities.

Serial Number	Special Condition	Disposition
1301	Aircraft installed with updated bulkhead 306.	Unless otherwise noted, refer to serial number 1307 for part identification.
1633	Aircraft installed with Environmental Control System with factory installed fan.	Unless otherwise noted, refer to serial number 1639 for part identification.
1878	Aircraft installed with G3 Wing and associated systems. Aircraft installed with Aircraft Data Logger (ADL) and associated systems.	Unless otherwise noted, refer to serial number 1886 for part identification of systems affected by G3 Wing and ADL installations.
1907	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2016 for part identification.
2047	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2048	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2049	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2050	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2051	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2052	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2053	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.
2054	Aircraft installed with Perspective Avionics and associated systems.	Unless otherwise noted, refer to serial number 2064 for part identification.

Serial Number	Special Condition	Disposition
2058	Aircraft installed with Environmental Control System with factory installed Air Conditioning.	Unless otherwise noted, refer to serial number 2065 for part identification of Environmental Control System.
2220	Aircraft installed with Lycoming Engine. Aircraft installed with Perspective+ Avionics.	Unless otherwise noted, refer to serial number 2339 in WM P/N 12129-002 for part identification.

B. Avionics Configuration

Airplane serial effectivities shown in the effectivity column may be further limited by the airplane's avionics configuration. Cirrus Design offers the SR20 with the avionic options listed in the table below; therefore, the effectivity block for a wiring diagram may also be limited by the installed avionics.

Standard avionics suites are available in the following configurations:

Serials 1005 thru 1267:

Configuration A
Moving Map Display (ARNAV ICDS 2000 MFD)
Single-Axis Autopilot (S-Tec System 20)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
One IFR Approach-Certified GPS (Garmin GNS 430) and One VFR GPS (Garmin GNC 250XL)
Two VHF Communications (Garmin GNS 430 and Garmin GNC 250XL)
Single Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (<i>Serials 1005 thru 1099: Garmin GTX 320, Serials 1100 thru 1267: Garmin GTX 327</i>)
Course Deviation Indicator (<i>Serials 1005 thru 1047: Garmin GI 102, Serials 1048 thru 1267: Garmin GI 102A</i>)
Directional Gyro

Configuration B
Moving Map Display (ARNAV ICDS 2000 MFD)
Two-Axis Autopilot (S-Tec System 30)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
Two IFR Approach-Certified GPS (Garmin GNS 430 and Garmin GNS 420)
Two VHF Communications Transceivers (Garmin GNS 430 and Garmin GNS 420)
Single Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (<i>Serials 1005 thru 1099: Garmin GTX 320, Serials 1100 thru 1267: Garmin GTX 327</i>)
Horizontal Situation Indicator (Century NSD 360A)

Configuration B (Continued)
Course Deviation Indicator (<i>Serials 1005 thru 1047: Garmin GI 102, Serials 1048 thru 1267: Garmin GI 102A</i>)

Configuration C
Moving Map Display (ARNAV ICDS 2000 MFD)
Two-Axis Autopilot (S-Tec System 55)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
Two IFR Approach-Certified GPS (Garmin GNS 430)
Two VHF Communications Transceivers (Garmin GNS 430)
Two Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)
Horizontal Situation Indicator (Century NSD 1000)
Course Deviation Indicator (<i>Serials 1005 thru 1047: Garmin GI 106, Serials 1048 thru 1267: Garmin GI 106A</i>)

Serials 1268 thru 1336:

Configuration 2.0
Moving Map Display (Avidyne EX3000C MFD)
Single-Axis Autopilot (S-Tec System 20)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
One IFR Approach-Certified GPS (Garmin GNS 430) and One VFR GPS (Garmin GNC 250XL)
Two VHF Communications (Garmin GNS 430 and Garmin GNC 250XL)
Single Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)
Horizontal Situation Indicator (Century NSD 1000)
Course Deviation Indicator (Garmin GI 106)

Configuration 2.1
Moving Map Display (Avidyne EX5000C MFD)
Two-Axis Autopilot (S-Tec System 30)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
Two IFR Approach-Certified GPS (Garmin GNS 430 and Garmin GNS 420)
Two VHF Communications Transceivers (Garmin GNS 430 and Garmin GNS 420)
Single Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)

EFFECTIVITY:
All

Configuration 2.1 (Continued)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)
Horizontal Situation Indicator (Century NSD 1000)
Course Deviation Indicator (Garmin GI 102A)

Configuration 2.2
Moving Map Display (Avidyne EX5000C MFD)
Two-Axis Autopilot (S-Tec System 55X)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
Two IFR Approach-Certified GPS (Garmin GNS 430)
Two VHF Communications Transceivers (Garmin GNS 430)
Two Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)
Electronic Navigation Display (Sandel SN3308)
Course Deviation Indicator (Garmin GI 106A)

Serials 1337 and Subsequent:

Configuration PFD
Primary Flight Display (Avidyne FlightMax Entegra PFD)
Moving Map Display (Avidyne EX5000C MFD)
Two-Axis Autopilot (S-Tec System 55SR)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
One IFR Approach-Certified GPS (Garmin GNS 430) and One VFR GPS (Garmin GNC 250XL)
Two VHF Communications (Garmin GNS 430 and Garmin GNC 250XL)
Single Navigation (VOR/LOC/GS) Receiver (Garmin GNS 430)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)

Serials 1359 and Subsequent:

Configuration SRV
Primary Flight Display (Avidyne FlightMax Entegra PFD)
Moving Map Display (Avidyne EX3000C MFD)
Integrated Audio System with Intercom (Garmin GMA 340)
Marker Beacon Receiver (Garmin GMA 340)
One IFR Certified GPS (Garmin GNC 420)
One VHF Communications (Garmin GNC 420)
Mode C Transponder with Altitude Encoder (Garmin GTX 327)

Serials 2016 and subsequent:

Configuration Perspective
Multi-Function Display (Garmin MFD)
Primary Flight Display (Garmin PFD)
Two-Axis Autopilot (Garmin GFC 700)
<i>Serials 2016 thru 2126:</i> Integrated Audio System with Intercom (Garmin GMA 347)
<i>Serials 2127 & subs:</i> Integrated Audio System with Intercom (Garmin GMA 350)
<i>Serials 2016 thru 2126:</i> Marker Beacon Receiver (Garmin GMA 347)
<i>Serials 2127 & subs:</i> Marker Beacon Receiver (Garmin GMA 350)
Two IFR Approach-Certified GPS (Garmin GIA 63W)
Two VHF Communications Transceivers (Garmin GIA 63W)
Two Navigation (VOR/LOC/GS) Receiver (Garmin GIA 63W)
Mode C Transponder with Altitude Encoder (Garmin GTX 32)
Flight Management System Keyboard (Garmin GCU 478)
Attitude and Heading Reference System (Garmin GRS 77)
Air Data Computer (Garmin GDC 74A)
Engine Airframe Unit (Garmin GEA 71)

Serials 2086, 2087, 2117, 2120, 2122 thru 2126, 2129 thru 2132, 2136 thru 2147 with Option Installed::

Configuration "S" United States Airforce Academy
Perspective Avionics Configuration with following options installed:
- 10-inch PFD Display
- 10-inch MFD Display
- Single Attitude and Heading Reference System (Garmin GRS 77)
- Single Air Data Computer (Garmin GDC 74A)
- Engine Airframe Unit (Garmin GEA 71)
- Integrated Audio System with Intercom (Garmin GMA 347)
- Marker Beacon Receiver (Garmin GMA 347)
- Two IFR Approach-Certified GPS (Garmin GIA 63W)
- Two VHF Communications Transceivers (Garmin GIA 63W)
- Two Navigation (VOR/LOC/GS) Receiver (Garmin GIA 63W)
- Flight Management System Keyboard (Garmin GCU 478)
- Mode C Transponder with Altitude Encoder (Garmin GTX 32)
- Garmin GTS 800 Traffic Advisory System
- No Automatic Flight Control System (ACFS)
- No Garmin Synthetic Vision (SynVis)

EFFECTIVITY:
All

Configuration “S” United States Airforce Academy (Continued)
- No Weather System (WX)
- No Terrain Awareness & Warning (TAWS)
- No Terminal Procedure Chart System
Artex ME406 Emergency Locator Transmitter (ELT)
Vent-Only Environment Control System
Fabric Seats
2-Blade Propeller
No Wheel Pants
No Rear Seats
No Rear Seat Headset Plugs
No Ice Protection System
No Carbon Monoxide (CO) Detector
No Enhanced Vision System (EVS)
No Wing Recognition Lights

C. Optional Equipment

Airplane serial effectivities shown in the effectivity column may be further limited by optional equipment installed in the airplane. Wiring diagrams that are affected by optional equipment may have the equipment listed in the effectivity block in a fashion similar to Service Bulletins or Avionics configuration. If the wiring changed because of the optional equipment is small or easily identifiable, the wiring change may be indicated on the face of the wiring diagram with a flag note. In this case, no entry will be made in the effectivity box.

Optional Equipment
<i>Serials 1005 thru 1336:</i> Century NSD 1000 Horizontal Situation Indicator
<i>Serials 1148 and Subsequent:</i> Goodrich SkyWatch
<i>Serials 1032 and Subsequent:</i> Goodrich Stormscope
<i>Serials 1148 and Subsequent:</i> S-Tec System 55X
<i>Serials 1148 thru 1336:</i> Sandel SN3308 Electronic Navigation Display
<i>Serials 1179 and Subsequent:</i> Avidyne EX3000C and EX5000C MFD
<i>Serials 1228 and Subsequent:</i> Avidyne EMax Engine Monitoring System
<i>Serials 1359 & Subsequent:</i> Garmin Mode S Transponder
<i>Serials 1441 & Subsequent:</i> Honeywell Terrain Awareness and Warning System
<i>Serials 1456 & Subsequent:</i> Avidyne XM Weather System
<i>Serials 2127 & subs:</i> Iridium Weather System
<i>Serials 1494 & Subsequent:</i> Avidyne Flight Director
<i>Serials 1533 & Subsequent:</i> Avidyne XM Radio System
<i>Serials 1633, 1639 & Subsequent:</i> Cabin Air Fan Assembly

Optional Equipment (Continued)
Serials 1639 & Subsequent: 406 MHz Emergency Locator Transmitter
<i>Serials 2016 & subsequent:</i> Bendix/King Distance Measuring Equipment
<i>Serials 2016 & subsequent:</i> Bendix/King Automatic Direction Finder
<i>Serials 2016 & subsequent:</i> Garmin Synthetic Vision
<i>Serials 2016 & subsequent:</i> Enhanced Vision System
<i>Serials 2065 & subs:</i> Air Conditioning System
<i>Serials 2273 & subs:</i> MD302 Standby Attitude Module
<i>Serials 2303 & subs:</i> Garmin GDL 88 Universal Access Transceiver
<i>Serials 2303 & subs:</i> Garmin Flight Stream 210 Wireless Cockpit Transceiver
<i>Serials 2303 & subs:</i> Remote Keyless Entry and Ambient Convenience Lights

D. Notes Affecting Effectivity

Service Bulletins - Installation of Service Bulletins are shown by notations in the effectivity or by flag notes on the face of the diagram. The term "Before SB 2X-XX-XX" in the effectivity box indicates that the diagram effectivity is as written unless SB 2X-XX-XX was installed. The term "After SB 2X-XX-XX" in the effectivity box indicates that the part effectivity is as written when SB 2X-XX-XX is installed. If the wiring change because of the Service Bulletin is small, the wiring change may be indicated on the face of the wiring diagram with a flag note. In this case, no entry will be made in the effectivity box.

9. ELECTRICAL LOAD ANALYSIS AND BUS SCHEMATICS

An electrical load analysis showing individual circuit loads and bus schematics showing system current flow for normal operation and during circuit failure is provided in 91-00-00 of this manual.

10. CONNECTOR, SWITCH, AND RELAY DATA

A connector list showing a diagram of the pin/socket locations in each plug/jack as well as specific data relating to the connector is provided in 91-10-00 of this manual. Switch and relay identification tables are also provided.

11. WARNINGS, CAUTIONS, AND NOTES

Warnings, Cautions, and Notes are used to highlight or emphasize important points.

WARNING: Warnings call attention to use of materials, processes, methods, procedures, or limits which must be followed precisely to avoid bodily injury.

CAUTION: Cautions call attention to methods and procedures which must be followed to avoid damage to equipment.

Note: Notes call attention to methods which make the procedure easier.

12. PUBLICATION CHANGE REQUEST FORM

A Publication Change Request form can be found online at the following link:

<http://servicecenters.cirrusdesign.com/TechPubs/serviceloopform.asp>

Use the form to submit a Publications Change Request to our Engineering Department and/or to tell us what you think of the quality of the publication. We will use the data you provide us to improve the quality of our technical publications.

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CHAPTER

20

**STANDARD
PRACTICES:
AIRFRAME**

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CHAPTER 20 - STANDARD PRACTICES: WIRING

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STANDARD PRACTICES: WIRING

1. GENERAL

This chapter contains requirements and procedures for the fabrication, repair, and marking of wire harness assemblies, cables, and wires. All wiring repairs and marking of wire harness assemblies, cables, and wires should be accomplished in accordance with the procedures in this chapter and in accordance with FAA Advisory Circular AC 43-13 (latest revision).

A. Terminology

The following terms are used throughout this chapter. The maintenance technician should be familiar with the following definitions, materials, and procedures:

- Wire: An individual insulated wire. Either stranded or solid.
- Cable: A multi-conductor cable. In most cases this is a shielded twisted-wire cable that is jacketed with a Teflon material.
- Wire Bundle: A group of wires and/or cables that are tied together using tie string, tie wraps, or other methods. In some cases the wire bundle may be covered with an external sheath.
- Wire Harness: A complete assembly including a wire bundle and the associated connectors, fasteners, and markings.
- Plug: A connector with female pins (sockets) normally used on the power side (coming from an electrical source) of a connection of two or more bundles or devices.
- Jack: A connector with male pins normally used on the device side of a connection.

B. Wire and Cable Marking

Wire marking aids the technician in locating and identifying individual wires within a wire bundle. Wire marking consists of a combination of letters and numbers that identify the wire, circuit or system, wire gauge, and additional data that helps in wire identification.

(1) Numbering

- (a) Wires are numbered to identify the system, circuit, wire number, wire gauge, and signal type. For example, wire ANGP003-20N indicates a 20 AWG ground wire for the GPS receiver.
- (b) Each wire is numbered within 6 inches of the termination at each end and every 12 to 15 inches along the length of the wire with the following exceptions:
 - 1 Wires less than 6 inches in length may not be marked.
 - 2 Wires installed within conduit are marked within 6 inches of termination ends.
 - 3 Wires 6 to 24 inches in length and having one end terminated by a terminal ring, spade lug, or soldered to a device are marked by a single marker on the external connector end.
 - 4 Assemblies consisting of a single wire with terminal rings or spade lugs on each end and not having a wire number are not marked but are labeled with the part's assembly number and revision level.
 - 5 Wires 6 to 24 inches in length, not meeting the above criteria, are marked within 6 inches of each termination end.

(2) Marking

- (a) Wires are marked by stamping directly onto the wire insulation, or are marked by attaching printed sleeving or tape.
- (b) Each wire and/or cable is marked by using the codes listed in Figure 20-001.

C. Wire Harness Marking

Wire harnesses are also marked for ease of identification during fabrication and installation. Wire harnesses are marked using the following methods:

(1) Markings

Each wire harness shall be marked with a unique number that identifies its location in the airplane. Wire harness numbers shall start with a "W" followed by a unique three (3) digit number that corresponds to the wire harness location. The following numbering convention is used:

- (a) 001-299 Firewall Forward
- (b) 300-399 Left Wing
- (c) 400-499 Right Wing
- (d) 500-999 Fuselage

Wire harnesses are marked with a tag that identifies the wire harness number and the wire harness part number. This tag is attached to the wire harness adjacent to the plug or jack that provides primary power or signals to the wire harness.

D. Plug and Jack Marking

Plugs and jacks are marked to aid in identification during fabrication, installation, and troubleshooting. Plugs and jacks are be marked using the following methods:

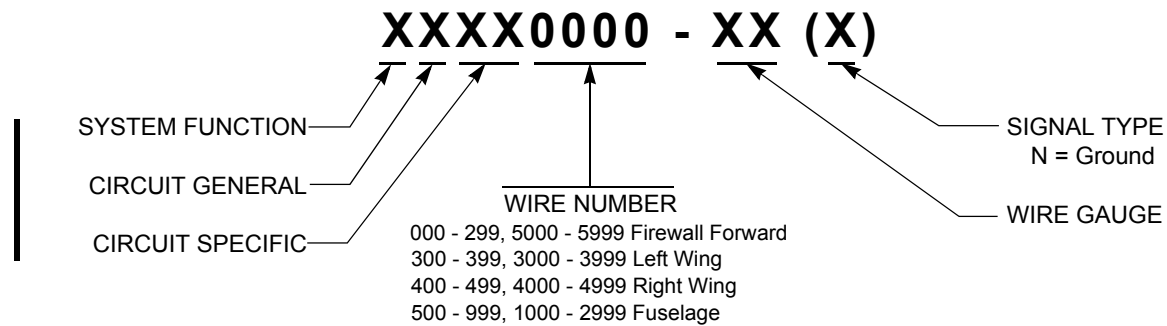
(1) Markings

Plugs and jacks are marked with a unique number that identifies their location in the airplane. The first character is a "P" for plugs or a "J" for jacks. The plug or jack designation is followed by a unique three (3) digit number that corresponds to the plug/jack location. The following numbering convention is used:

- (a) 001-299 Firewall Forward
- (b) 300-399 Left Wing
- (c) 400-499 Right Wing
- (d) 500-999 Fuselage

Plugs and jacks are marked with a tag that identifies the plug or jack number. This tag is attached to the wire harness adjacent to the plug or jack.

Relay bases or sockets do not require marking. Bases are directly marked with paint or visible permanent marker with the base identification number.



SYSTEM / CODE	CIRCUIT, GENERAL	CIRCUIT, SPECIFIC
Power (P)		
BAPR	Generation	Battery 2
PAC	Power	Air Conditioning
PACC	Power	Autopilot
PACF	Ground	PFD Cooling Fan
PADL	Power	ADL
PAPS	Power	Pitch Servo
PARS	Power	Roll Servo
PAYS	Power	Yaw Servo
PBLU	Ground	Air Conditioning
PCAU	Power	Audio Panel
PCP	Power	Convenience Power
PCPR	Power	Convenience Power
PDM	Power	DME
PEP		Entertainment Power
PFD	Navigation	Display
PG	Shield Ground	Flaps
PGAL	Generation	Alternator
PGCB	Generation	Circuit Breaker
PGCF	Power	Avionics Cooling Fan
PGEA	Power	GEA
PGLV	Generation	Low Voltage

Figure 20-001
Wire Number Codes (Sheet 1 of 4)

EFFECTIVITY:
All

SYSTEM / CODE	CIRCUIT, GENERAL	CIRCUIT, SPECIFIC
PGMS	Generation	Master Switch
PGST	Generation	Starter
PMCF	Power	MFD Cooling Fan
PNAD	Power	ADF
PNDM	Power	DME
PPCF	Power	PFD Cooling Fan
PRDM	Power	ADL
PXF	Power	Transponder Cooling Fan
PXM	Power	XM Weather
Avionics (A)		
AACC	Autopilot	Controller/Computer
AAGP	Autopilot	GPS
AAPT	Autopilot	Pitch Trim
AART	Autopilot	Roll Trim
ACAU	Communications	Audio
ACEA	Data	GEA
ACEL	Shield Ground	ELT
ACFD	Switch	TO/GA Switch
ACMD	MFD	Display
ACMS	Switch	Avionics Switch
ACPD	Data	PFD
ACSB	Data	GEA
ACTL	Communications	Telephone
ACTX	Communications	Transponder
ACVH	Communications	VHF Radio
AEVS	Data	EVS
ANAD	Navigation	ADF
ANAU	Navigation	Audio
ANDM	Navigation	DME
ANEG	Navigation	TAWS

Figure 20-001
Wire Number Codes (Sheet 2 of 4)

SYSTEM / CODE	CIRCUIT, GENERAL	CIRCUIT, SPECIFIC
ANFM	Power	Keypad
ANGP	Navigation	GPS
ANHS	Navigation	HSI
ANMD	Navigation	Display
ANRS	Data	AHRS, Air Data
ANSK	Data	Skywatch
ANSS	Data	Stormscope
ANTA	Power	Skywatch
ANVH	Navigation	VHF Radio
ANXM	Data	XM Weather
Instruments (I)		
ANEN	Power	Engine Instruments
IEFL	Engine Indicator	Fuel Level
IEHB	Engine Indicator	Hobbs
IEOP	Engine Indicator	Oil Pressure
IEOT	Engine Indicator	Oil Temperature
INFD	Navigation	Flux Detector
INHS	Navigation	HSI
IPAT	Power	Attitude 2
IPCL	Power	Clock
IPEI	Power	Engine Instruments
IPHS	Power	HSI
IPTC	Power	Turn Coordinator
IPVA	Power	Volt/Amp
IPYT	Power	Yaw Trim
ISAN	System Indicator	Annunciator
ISOA	System Indicator	OAT
Engine (E)		
EEFP	Electric	Fuel Pump
EFGS	Switch	Gascolator

Figure 20-001
Wire Number Codes (Sheet 3 of 4)

EFFECTIVITY:
All

SYSTEM / CODE	CIRCUIT, GENERAL	CIRCUIT, SPECIFIC
EPMA	Power	Magnetos
Lights (L)		
LELD	Exterior	Landing
LENV	Exterior	Navigation
LEST	Exterior	Strobe
LIBG	Interior	Baggage
LICB	Power	Attitude 2
LIFL	Interior	Flood
LIIL	Interior	Instrument Lights
LILS	Ground	Dimmer Switch
Controls (C)		
CAC	Control	Air Conditioning
CASD	Switch	Autopilot Disconnect
CFL	Flaps	
CPT	Pitch Trim	
CRT	Roll Trim	
CSAC	Power	Air Conditioning
CSAV	Switch	Avionics Switch
CSIC	Power	Ice Protection
CSMS	Switch	Master Switch
CSST	Switch	Starter Switch
CSTM	Switch	Trim Switch
CSVA	Switch	Vacuum
CSYT	Switch	Yaw Trim
SSW	Switch	Stall Warning

Figure 20-001
Wire Number Codes (Sheet 4 of 4)

2. FAULT ISOLATION

Malfunction symptoms will normally be a result of operational checkout or functional test procedures that fail at some point. Discrepancies must be resolved before the procedures can be completed. Another source of malfunction symptoms are the crew member squawks.

WARNING: Use extreme caution when performing maintenance operations on the airplane.

Unless otherwise instructed, troubleshooting will be performed with the system de-energized.

If a circuit is being tested with a lampload or a Meggar which may result in arcing, safety procedures relating to fuel vapors must be observed.

Do not wear rings, wrist watches, metal bracelets, or other jewelry which can cause a short circuit resulting in serious injury.

Repairing or troubleshooting of wiring must be accomplished by referring to the electrical wiring diagrams contained in this manual.

After the malfunction is cleared, perform appropriate operational checkout or functional test procedure.

In light circuits with only one lamp, the isolation procedure usually starts with the possibility of a defective lamp. In a light circuit that has two or more lamps, the isolation procedures do not isolate defective lamps. A fault that results from shorted light circuits is often caused by foreign metal objects that have fallen into the wiring or by pinched wires resulting from maintenance work on other equipment in the area. A thorough visual inspection may often locate a fault in shorted light circuits.

A. Test Leads

When using test leads to make voltage checks, the following procedures shall be followed:

- (1) Inspection/Test
 - (a) Remove system power.
 - (b) Disconnect applicable connector.
 - (c) Install test lead between designated connector or receptacle pins which complete circuit to be tested.
 - (d) Apply system power and perform check.

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WIRING REPAIR

1. GENERAL

This section contains procedures applicable to the fabrication and repair of wire harness assemblies, cables, and wires. All wiring repairs of wire harness assemblies, cables, and wires shall be accomplished in accordance with the procedures in this chapter and in accordance with FAA Advisory Circular AC 43-13 (latest revision).

2. MAINTENANCE PRACTICES

A. Stripping Insulation and Shielding

- (1) Strip Insulation, Single Conductor
 - (a) Wire insulation is stripped with a hand held wire stripper. Ensure wire is placed in correct slot for the wire size.
 - (b) The handles should be squeezed in a smooth continuous motion as not to nick or kink the wire.
- (2) Strip Cable Jacket and Shielding

Cable jackets and shielding are stripped with a sharp razor blade (or coaxial cable stripper) and a sharp pair of flush-cut pliers. To remove the jacketing of a multi-conductor cable:

 - (a) Score jacketing with razor blade around entire circumference of cable.
 - (b) Bend cable at score mark and break jacketing. If cable jacketing does not break, repeat scoring and bending process until it breaks. Some jacketing can be slid off end of cable after breaking process. Score jacketing from break point to end of cable and bend cable to break along score line.
 - (c) Mark strip length on shielding then slide shielding from exposed end to produce slack in shielding and trim with flush-cut pliers completely around cable at mark.
 - (d) Remove excess shielding.
 - (e) Inspect all wires and cables after stripping for unintentional breaks in insulation and nicks or broken strands of wire in the stripped area.

B. Crimping

Crimping of any device on end of stripped wire is done with crimping tool specified by manufacturer or equivalent crimping tool.

- (1) Crimp Machine Pins or Sockets
 - (a) Strip wire to correct length so wire is showing in hole on side of pin/socket (witness hole) and not protruding past end of pin/socket.
 - (b) Place pin socket into crimping device and insert wire into pin/socket.
 - (c) Using a smooth continuous stroke, squeeze handle of crimping tool until crimp is complete (the handle will not release until crimp is complete).
 - (d) Inspect crimp by pulling on wire. The crimp should hold. If crimp does not hold, crimping tool should be checked and/or recalibrated.
 - (e) Bend wire directly behind pin/socket to inspect that insulation does not protrude into crimp portion of pin/socket and that wire does not extend more than 0.032 inch (0.8 mm) past end of pin/socket.
- (2) Crimp Continuous Roll Pins or Sockets
 - (a) Strip wire to a length that allows wire insulation to be secured by insulation grip and stripped wire to be gripped by wire grip(s).
 - (b) Insert pin/socket into correct size slot of crimping tool and squeeze crimping tool until pin is secure (but not crimped).
 - (c) Insert wire with end of insulation located between insulation grip and wire grip.

- (d) Using a smooth continuous stroke, squeeze handle of crimping tool until crimp is complete (the handle will not release until crimp is complete).
- (e) Inspect crimp by pulling on wire. The crimp should hold. If crimp does not hold, crimping tool should be checked and/or recalibrated.
- (f) Verify end of insulation is located between insulation grip and wire grip. The insulation grip should snugly capture insulation.
- (3) Crimp Terminal Rings
 - (a) Insert terminal into correct size slot of crimping tool and squeeze crimping tool until terminal ring is secure (but not crimped).
 - (b) Insert stripped wire into wire grip hole so that wire insulation is completely within terminal ring insulation (or insulation grip on uninsulated terminals) and wire is just visible on terminal ring end.
 - (c) Using a smooth continuous stroke, squeeze handle of crimping tool until crimp is complete (the handle will not release until crimp is complete).
 - (d) Inspect crimp by pulling on wire. The crimp should hold. If crimp does not hold, crimping tool should be checked and/or recalibrated.

C. Soldering

- (1) General
 - (a) Acquire necessary tools, equipment, and supplies.

Description	P/N or Spec.	Supplier	Purpose
Solder, Soft, Rosin Core At least 60% tin and 40%, or less, lead.	50412-001 QQ-S-571 QQSS571 QQS571F Type RMA	Any Source	Solder low temp joints.
Solder, Silver, Rosin Core At least 60% tin, less than 40% lead, and minimum 2% silver.	50036-001 QQ-S-561F QQ-B-654	Any Source	Solder high temp joints.

- (2) Soldering Two Wires
 - (a) Strip both wires approximately 0.5 inch (13 mm).
 - (b) Slide a 1.0 inch (25.4 mm) or more piece of heat shrink of correct size onto one of the wires.
 - (c) Untwist wire strands until straight on both wires. Push wire ends together meshing strands. Twist meshed wires together.
 - (d) Apply solder paste and heat solder until all strands are full and not overflowing.
 - (e) Inspect solder joint to ensure that solder has flowed into splice.
 - (f) Slip heat shrink sleeve over joint and apply heat using a heat gun until heat shrink has uniformly sealed the splice.
- (3) Soldering a Wire to a Device
 - (a) If required, slide a piece of heat shrink sleeve over wire prior to soldering wire to device (terminal, contact, etc.).
 - (b) If necessary, conform end of wire to a shape that will enhance mechanical strength of joint (e.g. for a terminal post wrap, position stripped portion of wire around post).
 - (c) While holding pre-tinned and pasted wire onto device, simultaneously apply heat and solder to device/wire. Melt solder into joint until all gaps are filled but not overflowing.
 - (d) Inspect solder joint to ensure that solder has flowed into all gaps.

- (e) Slip heat shrink sleeve over joint and apply heat using a heat gun until heat shrink has uniformly sealed the splice.

D. Solder Sleeve Splices

The solder sleeve is a durable and reliable alternative to traditional crimping methods. Made of heat shrinkable thermoplastic, the sleeve contains a fluxed solder pre-form which provides the exact amount of solder and flux required to connect coaxial wire to the contact. The solder sleeve's one-piece, pre-assembled design makes application as easy as stripping the wire, inserting it and heating the contact. After shrinking, the sleeve acts as an insulator and provides strain relief for the solder joint.

E. Heat Shrink/Shrinkable Devices

Heat shrink is a sleeved material used as a replacement for wire insulation during wire harness fabrication, installation, and repair. Heat shrink sleeves shrink to approximately half the original diameter during heating. Heat shrinkable devices are used for joining and splicing wires and often contain solder in a shrinkable housing. Shrinkable devices include solder sleeve splices (with or without lead wire), and cap splices.

(1) General

- (a) Cut heat shrink to twice the length of exposed area to be covered.
- (b) Size heat shrink to ensure the heat shrink is not loose after shrinking.
- (c) Size heat shrinkable devices to ensure the device is not loose after shrinking.
- (d) Prior to installation, inspect each sleeve to ensure that the sleeve is not damaged.
- (e) Heat shrink may be used for repairing nicks or cuts in wire insulation.
- (f) Heat shrinkable devices without grounding wires may be substituted for heat shrinkable devices with grounding wires and vice versa provided the above regulations and installation methods are followed.

(2) Installation of Heat Shrink and Shrinkable Devices

- (a) Install heat shrink sleeve shrinkable device on end of wire and apply heat using a heat gun. When heating soldering device, solder sleeve must be melted to a fluid state, and ends shrunk before heating process is complete.
- (b) Inspect that solder has flowed into wire being soldered. Reheat as necessary.

F. Splicing

Splicing of electric wire should be kept to a minimum and avoided entirely in locations subject to extreme vibrations. Individual wires in a group or bundle may be spliced provided the completed splice is located so it can be periodically inspected. Stagger splices so bundle does not become excessively enlarged. Many types of aircraft splice connectors are available for use when splicing individual wires. Use of a self-insulated splice connector is preferred, however, a non-insulated splice connector may be used provided the splice is covered with plastic sleeving and secured at both ends.

(1) Solder Splices

Solder splices may be used, however, they are particularly brittle and not recommended. Splices are subject to the following:

- (a) There shall be not more than one splice in any one wire segment between any two connectors or other disconnect points.
- (b) Stagger splices in bundles so as to not increase size of bundle which could prevent bundle from fitting in designated space or cause congestion adversely affecting maintenance.
- (c) Do not use splices to salvage scrap lengths of wire.
- (d) Do not use splices within 12 inches of a termination device, except for the following:
 - 1 Attaching to pigtail spare lead of a potted termination device.
 - 2 Splicing multiple wires to a single wire.
 - 3 Adjusting wire sizes to be compatible with contact crimp barrel sizes.

G. Terminating

- (1) General
 - (a) All wires must be terminated with the appropriate device.
 - (b) Open or spare wires should be capped using heat shrink tubing.

H. Connectors

- (1) General
 - (a) Refer to manufacturers installation details.

I. Coaxial Cable

- (1) Radio Rack Connectors
 - (a) Refer to the manufacturer's installation details.
- (2) BNC Crimp Type Connectors
 - (a) Refer to manufacturer's instructions.

J. Routing Wires and Wire Bundles

- (1) General
 - (a) Route engine compartment wires so that sufficient slack is provided near connectors to account for engine vibration and torque.
 - (b) Route wires at least 3.0 inches (76 mm) away from control cables and moving parts. When 3.0 inches (76 mm) separation cannot be achieved, a clamp or guard must be used.
 - (c) Run wires parallel and above combustible fluid lines, and maintain a 6.0 inch (152 mm) clearance whenever possible. When a 6.0 inch separation cannot be achieved, wires must be clamped away from combustible fluid lines and have a minimum of 0.5 inch (13 mm) clearance.
 - (d) Use a bulkhead connector to pass wires through a bulkhead, rib or panel. When a connector cannot be used, secure wires and use grommets to protect wires.
- (2) Tying
 - (a) Ties may consist of any knot which firmly secures bundle, cannot be easily loosened, and is not excessive in size.
 - (b) Lacing cord, tie wraps, adel clamps or other approved methods must be used to hold loose wires together to form a bundle.
 - (c) Adel clamps must be sized to ensure that clamp does not pinch wires or bundles, and positioned so that wires or bundles are supported with less than 0.5 inch (13 mm) of deflection between support points. This measurement may be exceeded if there is no possibility of wires or bundles touching a surface which may cause abrasion.
 - (d) Bundles should be laced before and after every branch break, and at least every 12 inches (305 mm). Thicker wires and bundles with more bends may need lacing more often. Bundles installed in conduit only need to be laced at exposed ends.

K. Chafing Protection

- (1) General
 - (a) Chafing protection should be used whenever wires or bundles pass within 0.25 inches (6.3 mm) of structures which would cause abrasion to the wire insulation.
 - (b) Grommets or flexible grommeting should be used as chafing protection when wires pass through holes in structures.
 - (c) Flexible grommets may be used in holes or along edges not suitable for standard grommets. This material should be fastened to metal using RTV silicon adhesive, or equivalent. This material should be fastened to composite using 5-minute epoxy or equivalent.

L. Lightning Protection Over-Braiding of Wire Harnesses and Coax Cables**(1) General**

Lightning protection is provided by over-braid essential wire harnesses and/or cables that have been determined to be susceptible to indirect effects of lightning. Wire harness shall be sent to an approved vendor for over-braiding.

Note: Over-braided wire harnesses and coax cables do not require wire marking since over-braiding will cover the marking. Connector tags and wire harness tags are installed after over-braiding.

String tie should be used only at branches to minimize deformities in the over-braid. As necessary, electrical or cloth tape can be used to secure wire bundles.

(a) Lightning protection over-braid of wire harnesses shall be in accordance with the following:

- 1** Material: 36 AWG tinned copper wire per ASTM-B-33.
- 2** Coverage: 98% - 100% optical (i.e. cannot see wiring under braid).
- 3** Braid Coverage Area: Per CDC drawing.
- 4** Braid Tails: Each tail shall be a minimum of 6.0 inches (152 mm) long prior to terminal ring installation.
- 5** Braid Ends: Other than braid tails, all other branches should be terminated as close to connector as possible with a back braid to provide a clean end. On connectors with backshells, the braid shall be captured by the connector backshell. On connectors without backshells or branches without connectors, the over-braid may be secured to the wire bundle using plastic tie-wraps. Typically, this is not required since the over-braid and back braid create a secure termination.
- 6** Splices/Broken Wires: Must be trimmed without affecting coverage area as defined above.

(2) Coax Cable Over-Braid Specification

- (a)** Coax cables shall be sent to an approved vendor for over-braiding.
- (b)** Lightning protection over-braid of coax cables shall be in accordance with the general over-braid specification above.

(3) Inspection

Note: During inspection, the wire harness/coax cable shall be laying flat with branches extending outward from main branch.

(a) Inspection of completed over-braid assemblies shall use the following criteria for pass/fail:

- 1** Over-braid should completely cover defined area with minor openings in braid. Openings (holes) are not to exceed 0.125 inch (3.18 mm) diameter and no more than five openings in a 6.0 inch (152 mm) section of over-braid.
- 2** Connector backshells shall secure over-braid under backshell.
- 3** Terminal rings crimped to braided tails shall be crimped in accordance with this section. Braided tails shall be trimmed as short as possible to minimize induced current.
- 4** Branches that terminate at connectors without backshells or with no connectors shall be secured on wire bundle. Plastic tie-wraps may be used to secure over-braid.

(b) Conformal Coating of Circuit Card Assemblies

M. Conformal Coating Process

- (a) Acquire necessary tools, equipment, and supplies.

Description	P/N or Spec.	Supplier	Purpose
Clear Acrylic Sealer	S02000	Sherwin Williams	Sealant.
Clear Polyurethane	1A33	Humiseal	Sealant.
Masking Tape	-	Any Source	Masking.
Isopropyl Alcohol	TT-I-735 Grade A or B	Any Source	Cleaning.

- (b) Clean CCA and allow to dry thoroughly prior to application of conformal coating.
(c) Mask off all areas that will not be coated. Ensure that all edges of masking tape are pressed down to maintain a good seal.

Note: Switches, connectors, through-hole circuit board solder pads that will be used, annunciators, LEDs, and lights should not be coated.

- (d) While keeping circuit card as flat as possible, apply three layers of conformal coating. Use the following techniques to ensure uniform application for each layer:
- 1 Spray from top-to-bottom then from side-to-side (this will apply two thin layers rather than 1 thick coat).
 - 2 Hold spray nozzle 10 to 12 inches (25.4 to 30.5 cm) from CCA surface.
 - 3 Use a stroking motion.
- (e) Allow circuit card to dry thoroughly between layers (approximately ½ hour).
(f) After third layer is completely dry, measure conformal coating to ensure that coating is 0.003 +0.002/-0.001 inch (0.076 +0.050/-0.025 mm) thick. If required, add additional layers to achieve correct coating thickness.
(g) Remove masking tape from masked components. If necessary, use isopropyl alcohol to remove residual adhesive.

N. Discrete LED Lamps

(1) LED Strain Relief

- (a) Provide adequate strain relief to discrete LEDs in wire harnesses as follows:
- 1 Before soldering wires to LED legs, trim legs to 0.2 to 0.3 inch (5.1 to 7.6 mm).
 - 2 Solder wire to leg. ([Refer to 20-10](#))
 - 3 Protect individual legs after soldering with a minimum of 0.5 inch (12.7 mm) of heat shrink.
 - 4 Heat shrink LED legs together for strain relief.

CHAPTER

21

**ENVIRONMENTAL
SYSTEMS**

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EFFECTIVITY:
All

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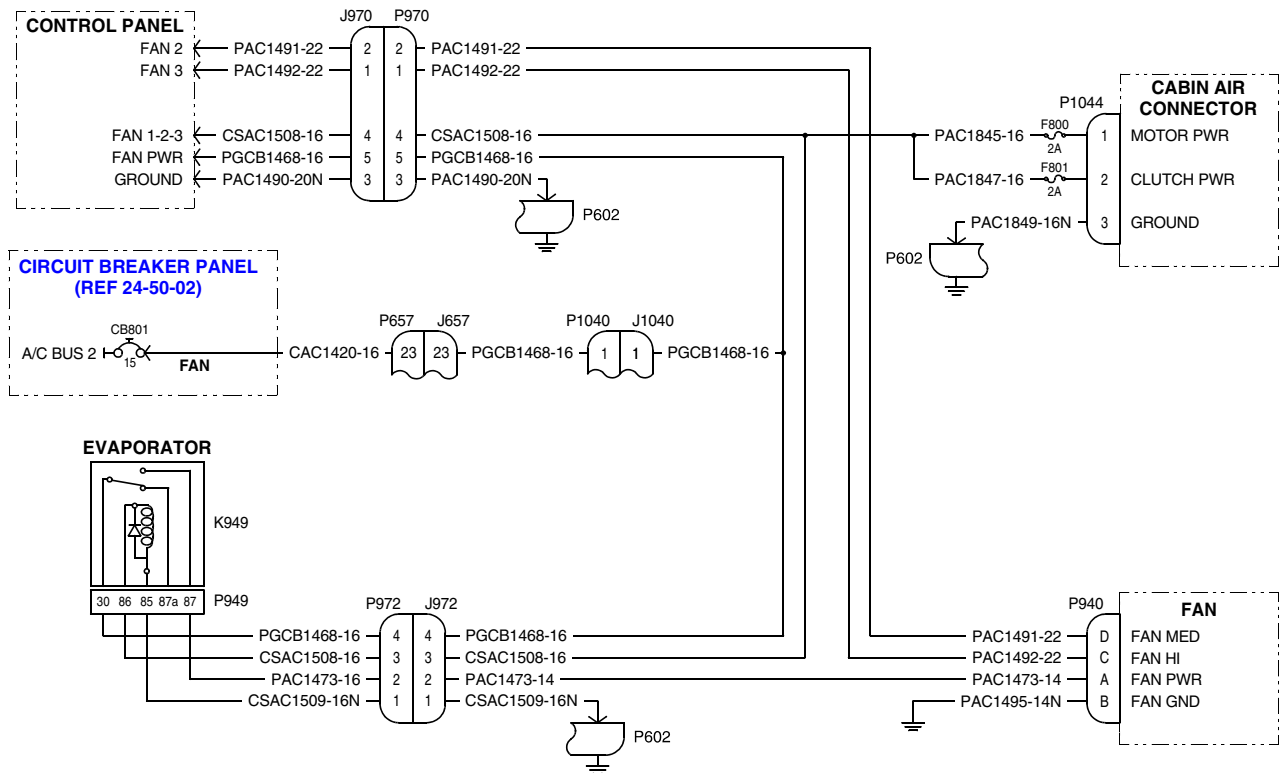
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Cabin Air Fan Assembly - Serials 2016 & subs w/ Perspective Avionics	21-20-01
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PFD Cooling Fan - 2016 & subs w/ Perspective Avionics	21-20-03
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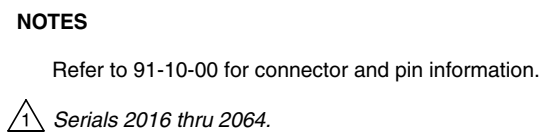
Refer to 91-10-00 for connector and pin information.

WM18551_01

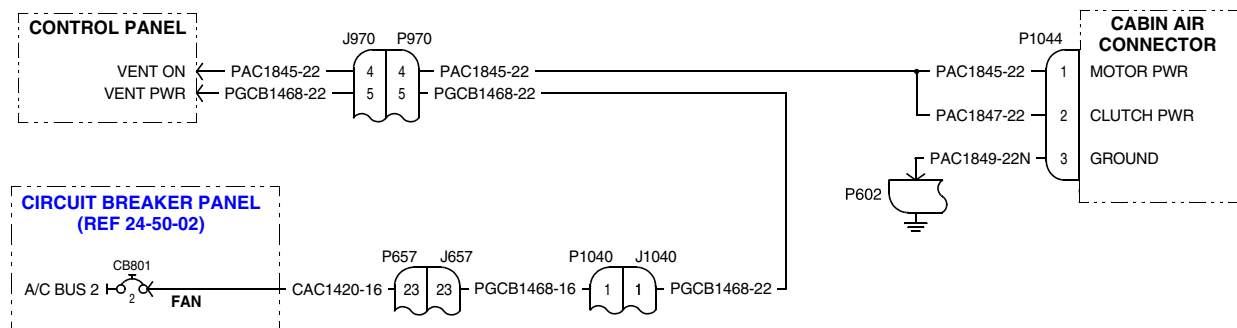
Figure-01
Cabin Air Fan Assembly - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

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EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics



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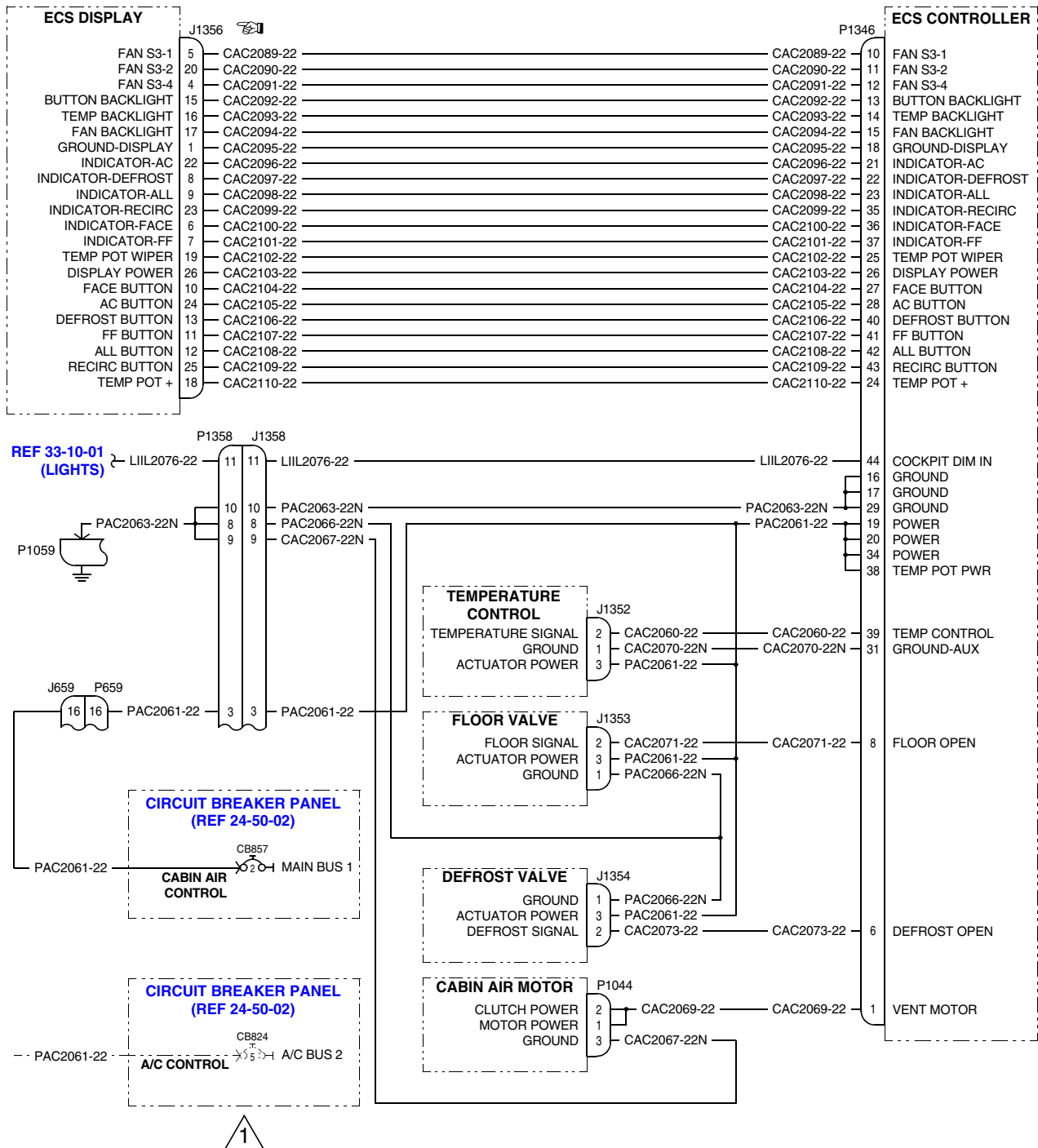
Refer to 91-10-00 for connector and pin information.

WM18553_01

Figure-02
Cabin Air Vent Assembly - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

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Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2064.

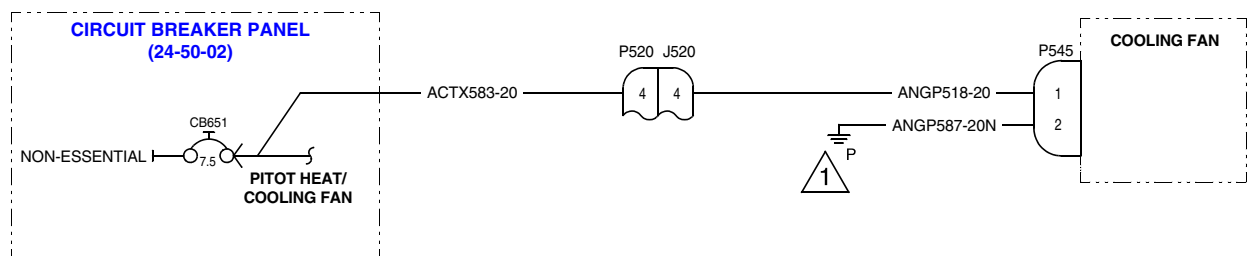
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Figure-02

Cabin Air Vent Assembly - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

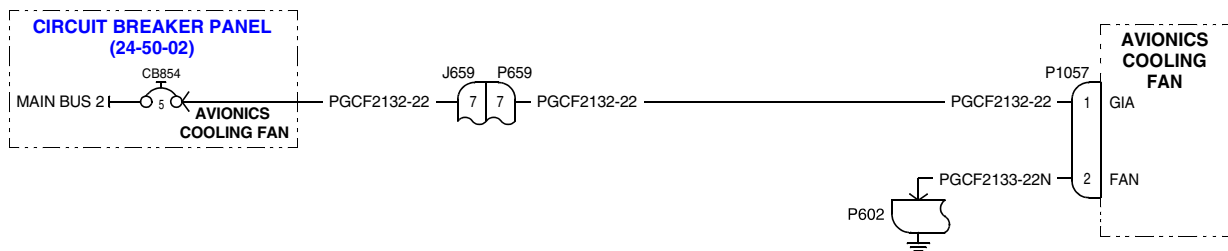
 Power grounds (labeled "P") are spliced into P518 Pin A1.

WM12690_01

Figure-03
Cooling Fan - Serials 1005 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1005 & subs w/o Perspective Avionics

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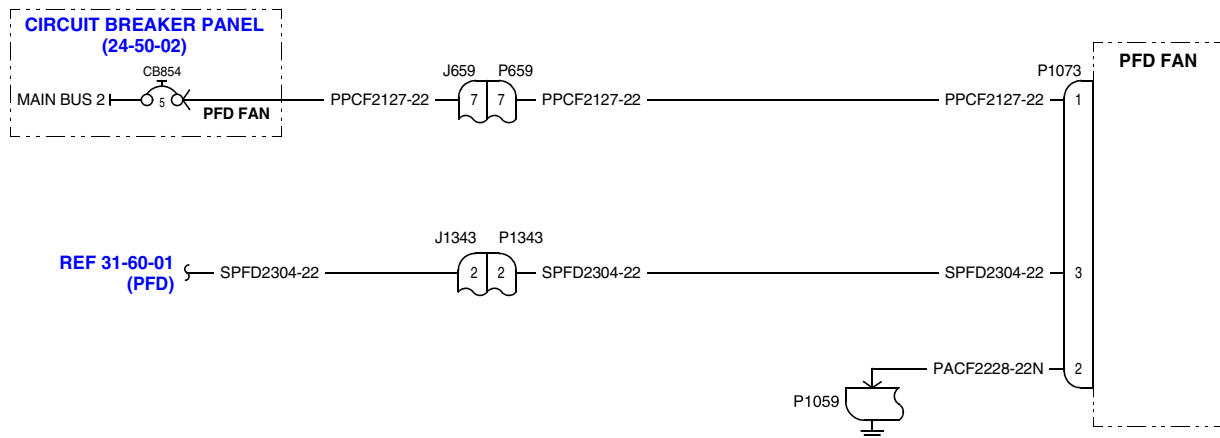
Refer to 91-10-00 for connector and pin information.

WM24562_17

Figure-03
Avionics Cooling Fan - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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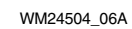
Refer to 91-10-00 for connector and pin information.

WM24562_09

Figure-03
PFD Cooling Fan - 2016 & subs w/ Perspective Avionics

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All

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Cooling System - Serials 2065 & subs w/ Perspective Avionics

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CHAPTER

22

AUTO FLIGHT

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22-12-02	1	19 SEP 2010
22-12-02	2	19 SEP 2010
22-13-01	1	01 FEB 2013
22-20-01	1	19 SEP 2010

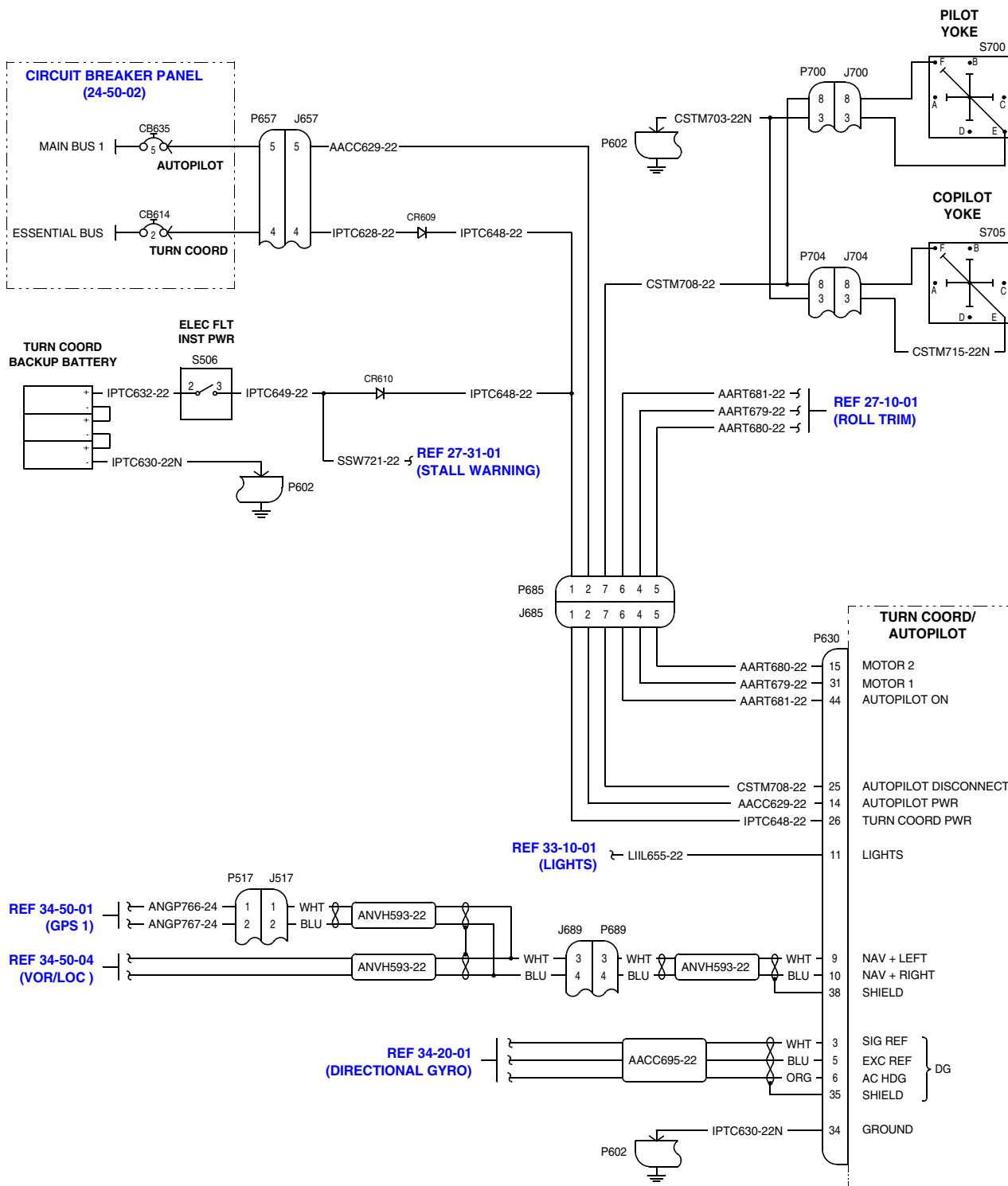
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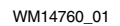
NOTES

Refer to 91-10-00 for connector and pin information.

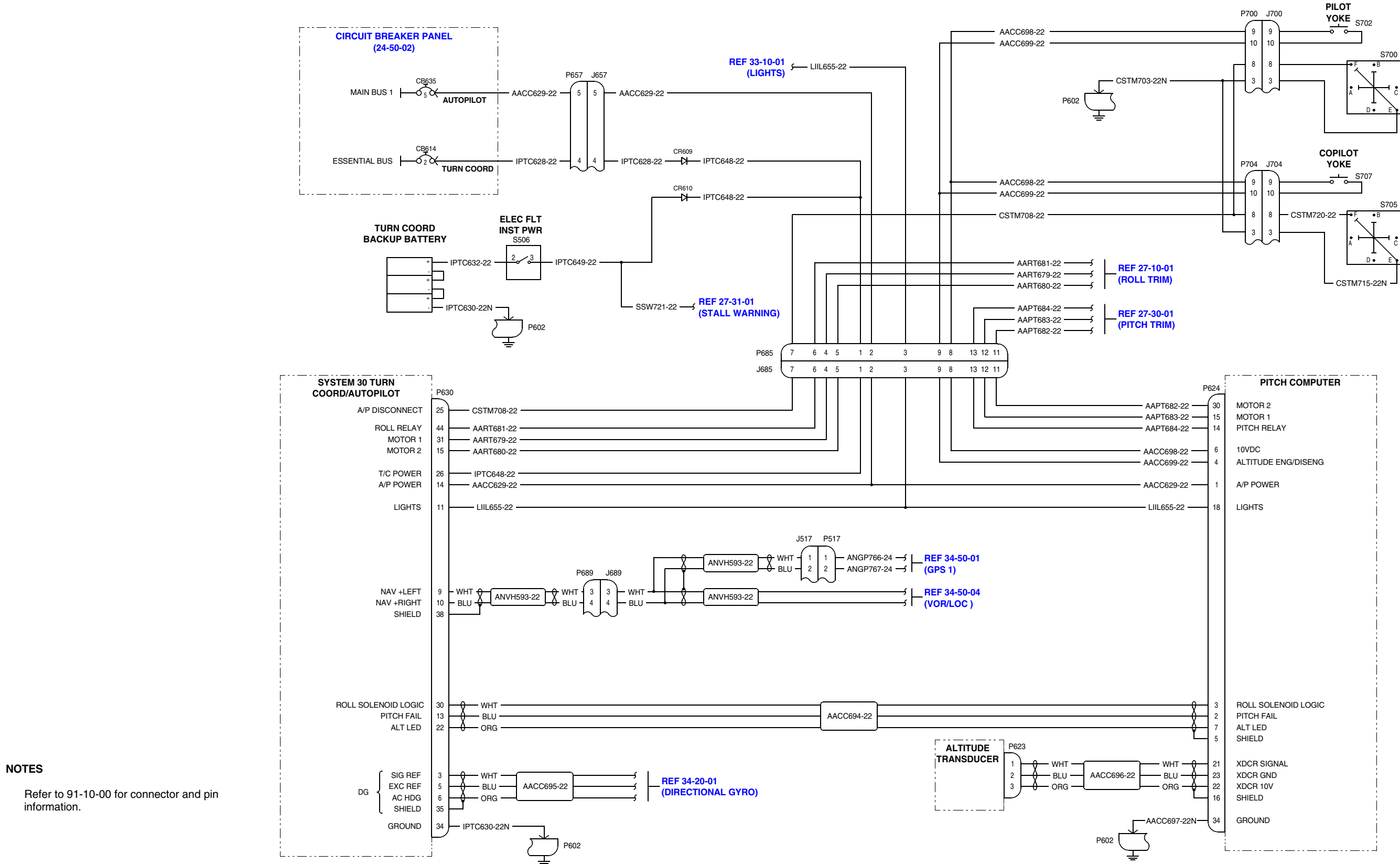
WM11700_01A

Figure-01
System 20 Autopilot/Turn Coordinator - Serials 1005 thru 1178, Config. "A"

EFFECTIVITY:
Serials 1005 thru 1178, Config. "A"



EFFECTIVITY:
Serials 1179 thru 1267, Config. "A"



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01

System 30 Autopilot/Turn Coordinator - 1005 thru 1178, Config. "A"

EFFECTIVITY:

All

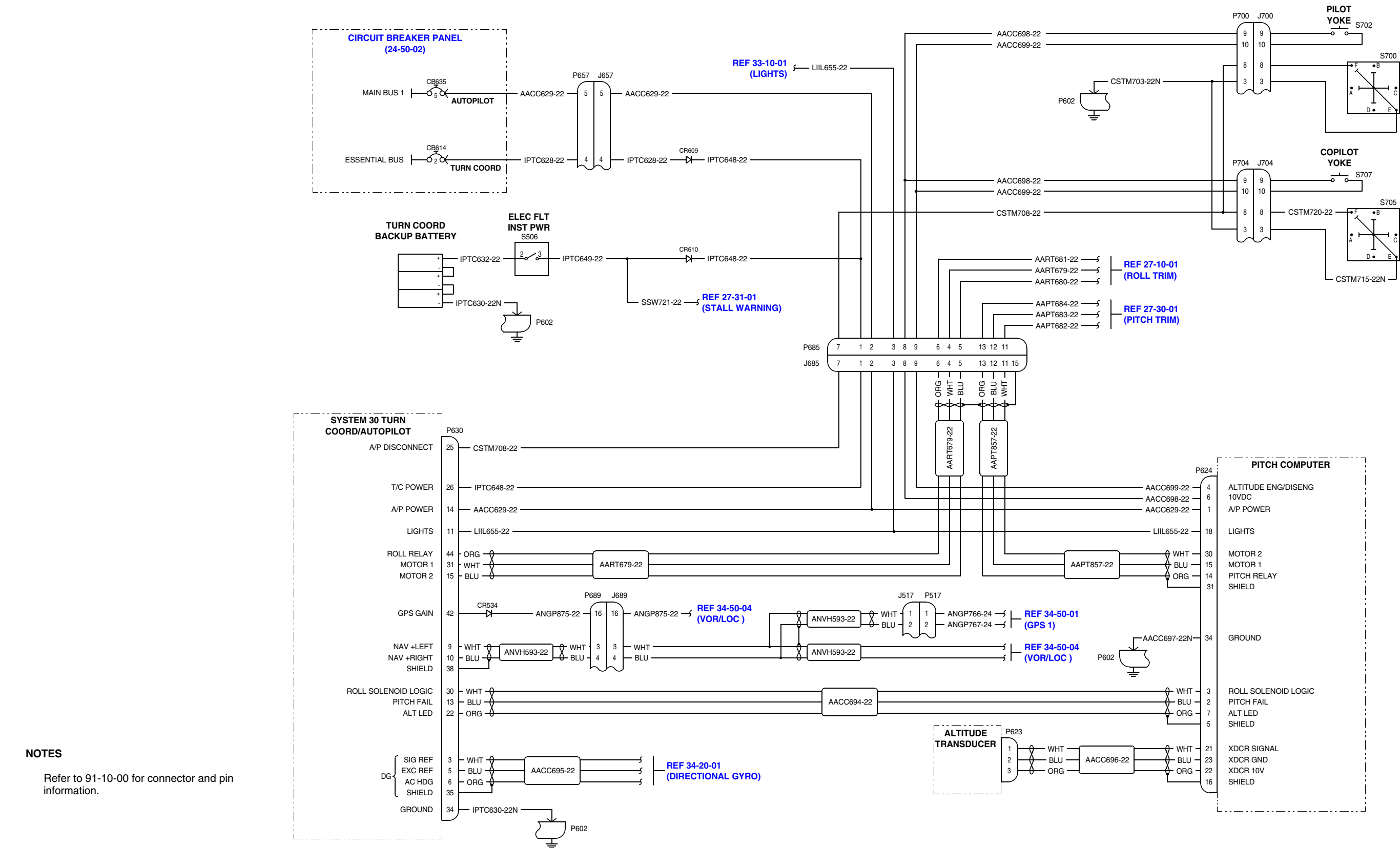
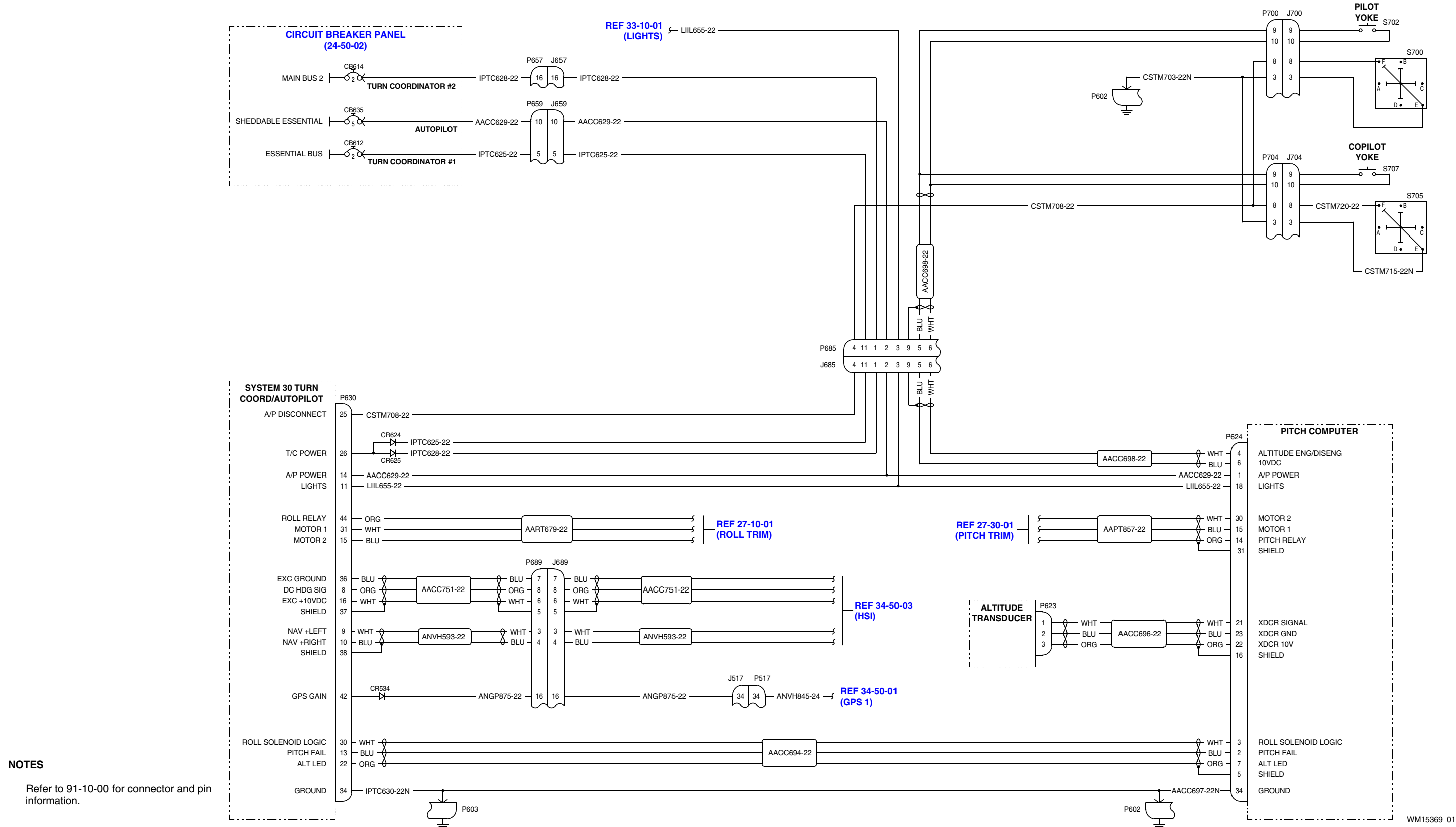


Figure-01
System 30 Autopilot/Turn Coordinator - Serials 1179 thru 1267, Config. "A"

EFFECTIVITY:
Serials 1179 thru 1267, Config. "A"



WM15369_01

Figure-01
System 30 Autopilot/Turn Coordinator - Serials 1268 thru 1336, Config. "2.0"

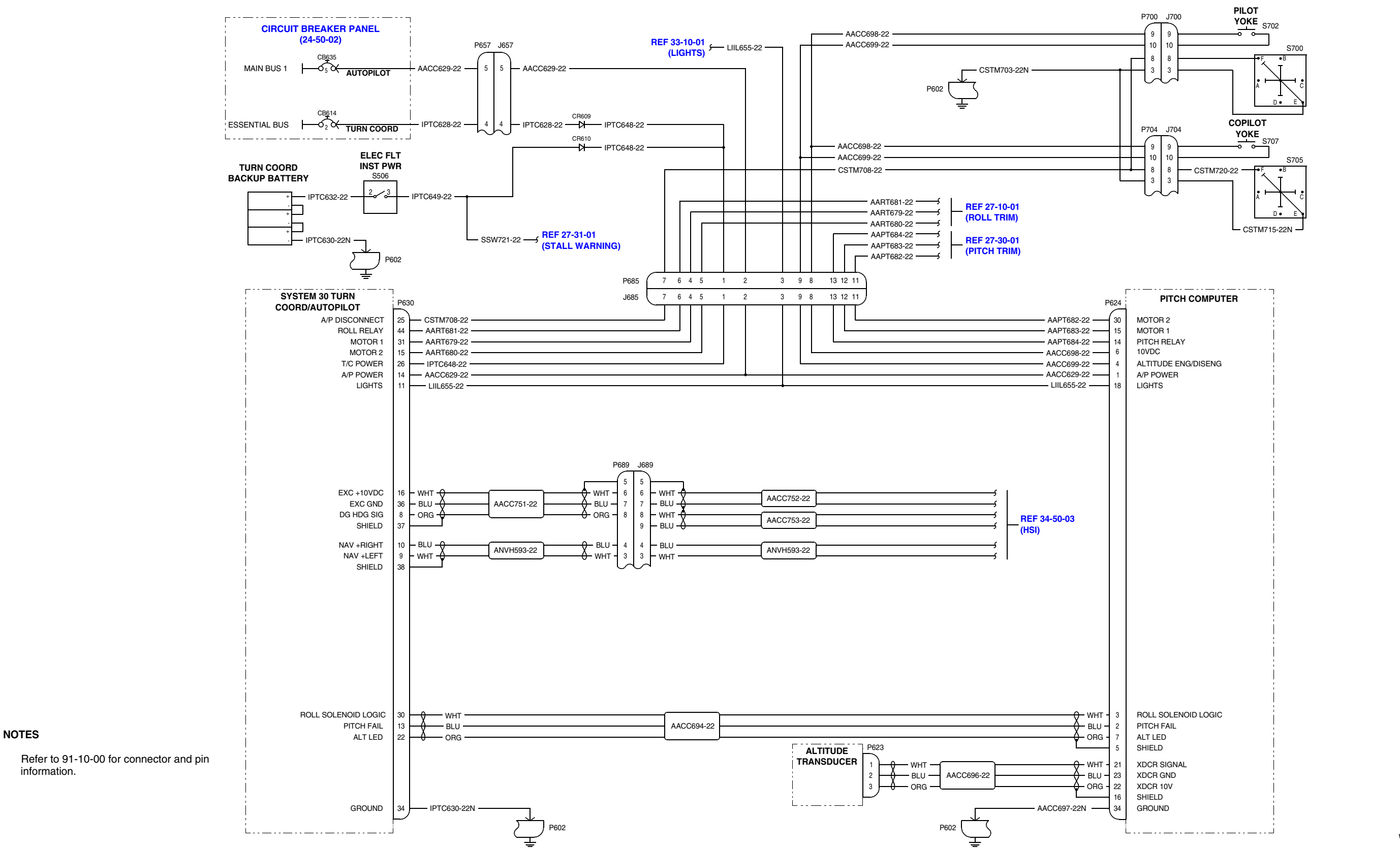


Figure-01
System 30 Autopilot/Turn Coordinator - Serials 1005 thru 1178, Config. "B"

EFFECTIVITY:
Serials 1005 thru 1178, Config. "B"

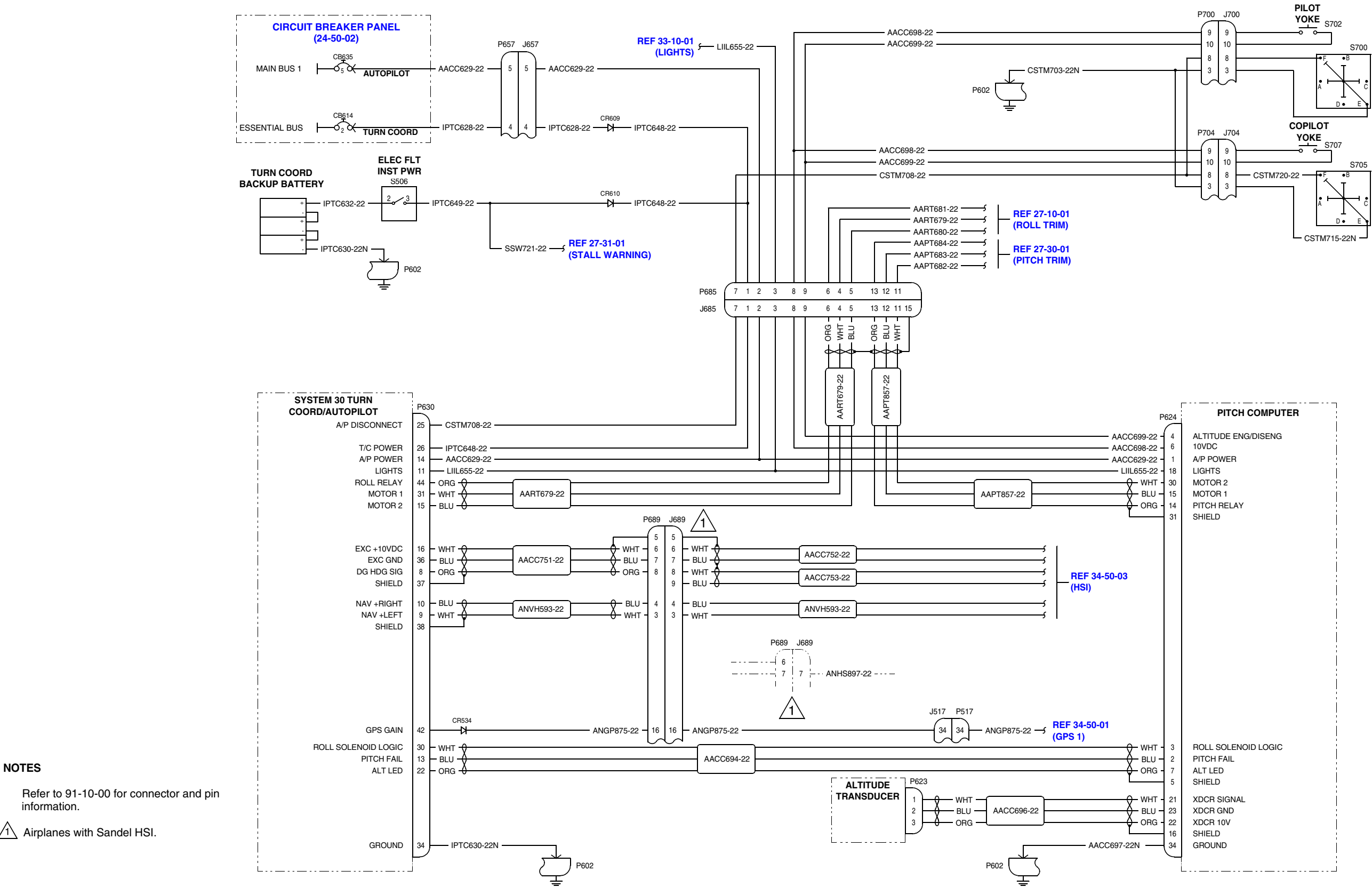
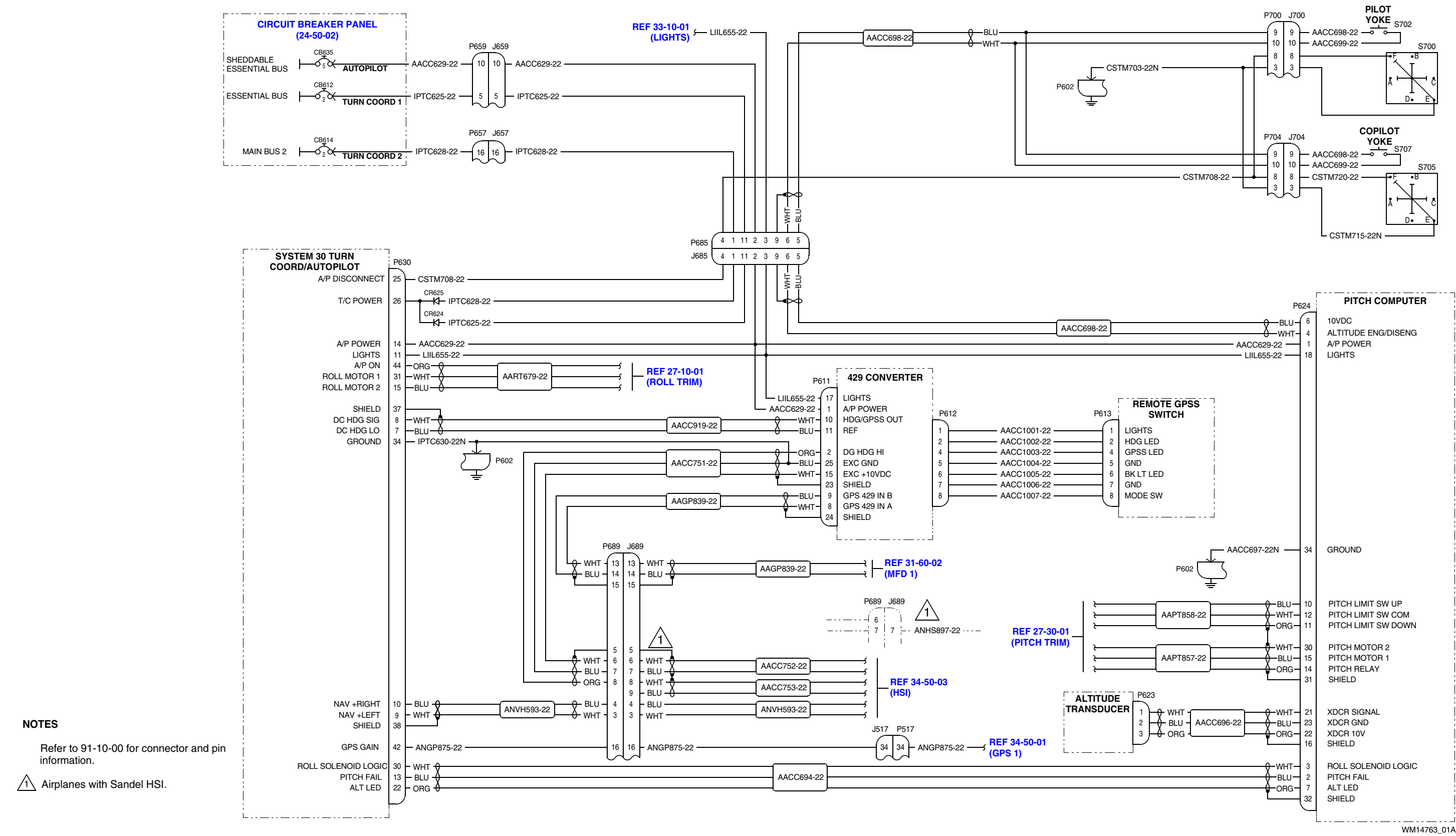


Figure-01
System 30 Autopilot/Turn Coordinator - Serials 1179 thru 1267, Config. "B"

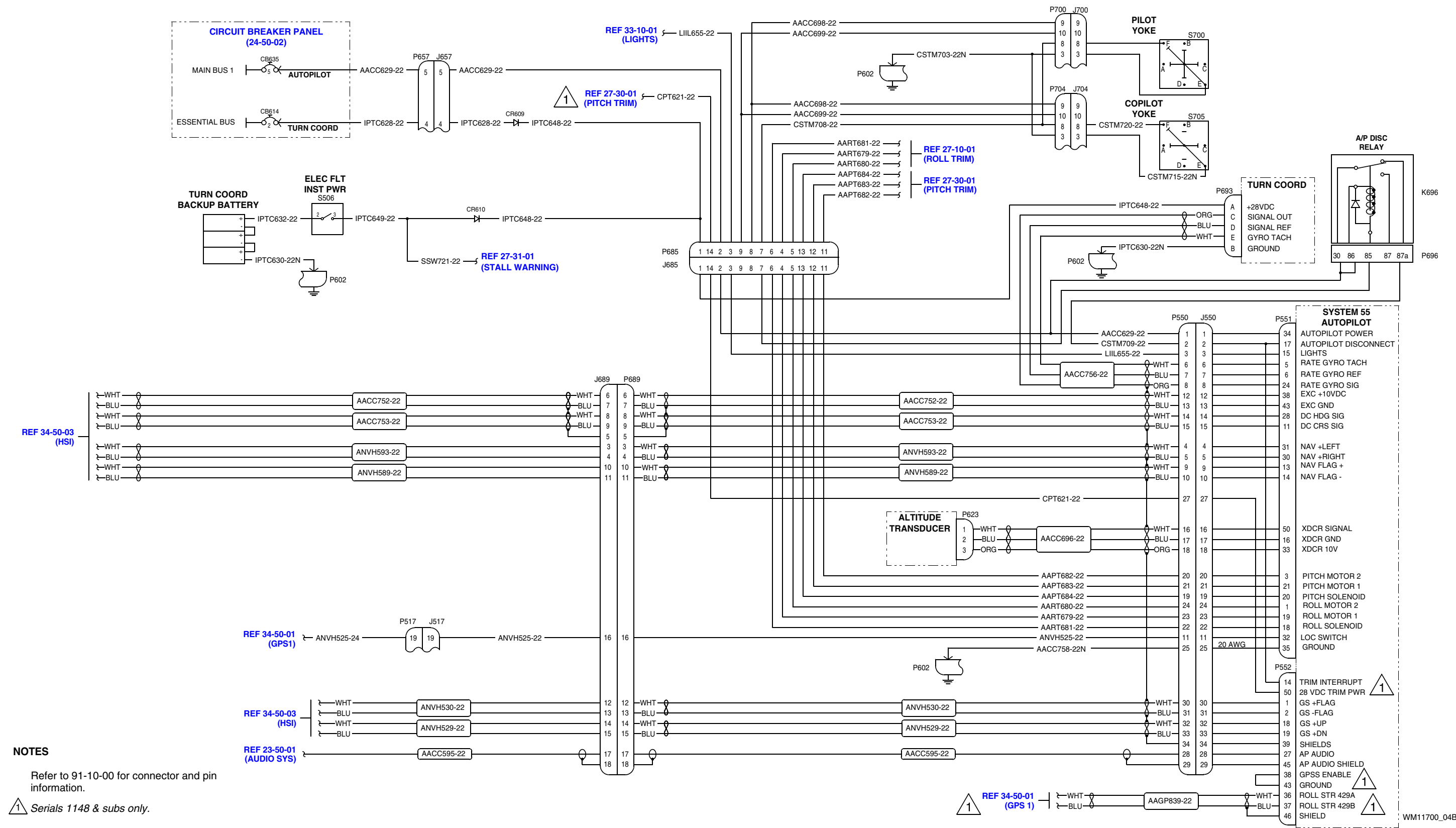
EFFECTIVITY:
Serials 1179 thru 1267, Config. "B"



WM14763_01A

Figure-01
System 30 Autopilot/Turn Coordinator - Serials 1268 thru 1336, Config. "2.1"

EFFECTIVITY:
Serials 1268 thru 1336, Config. "2.1"



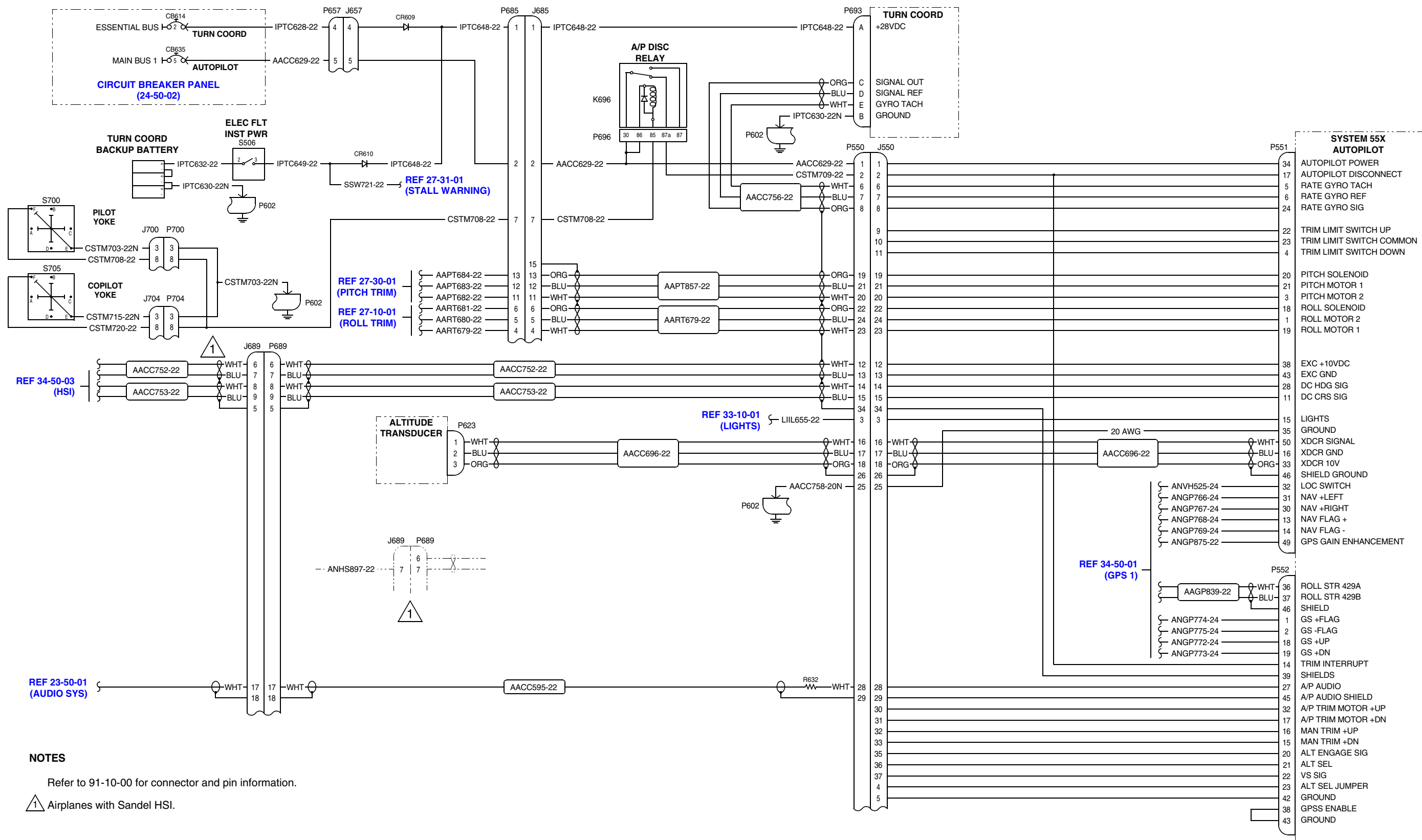
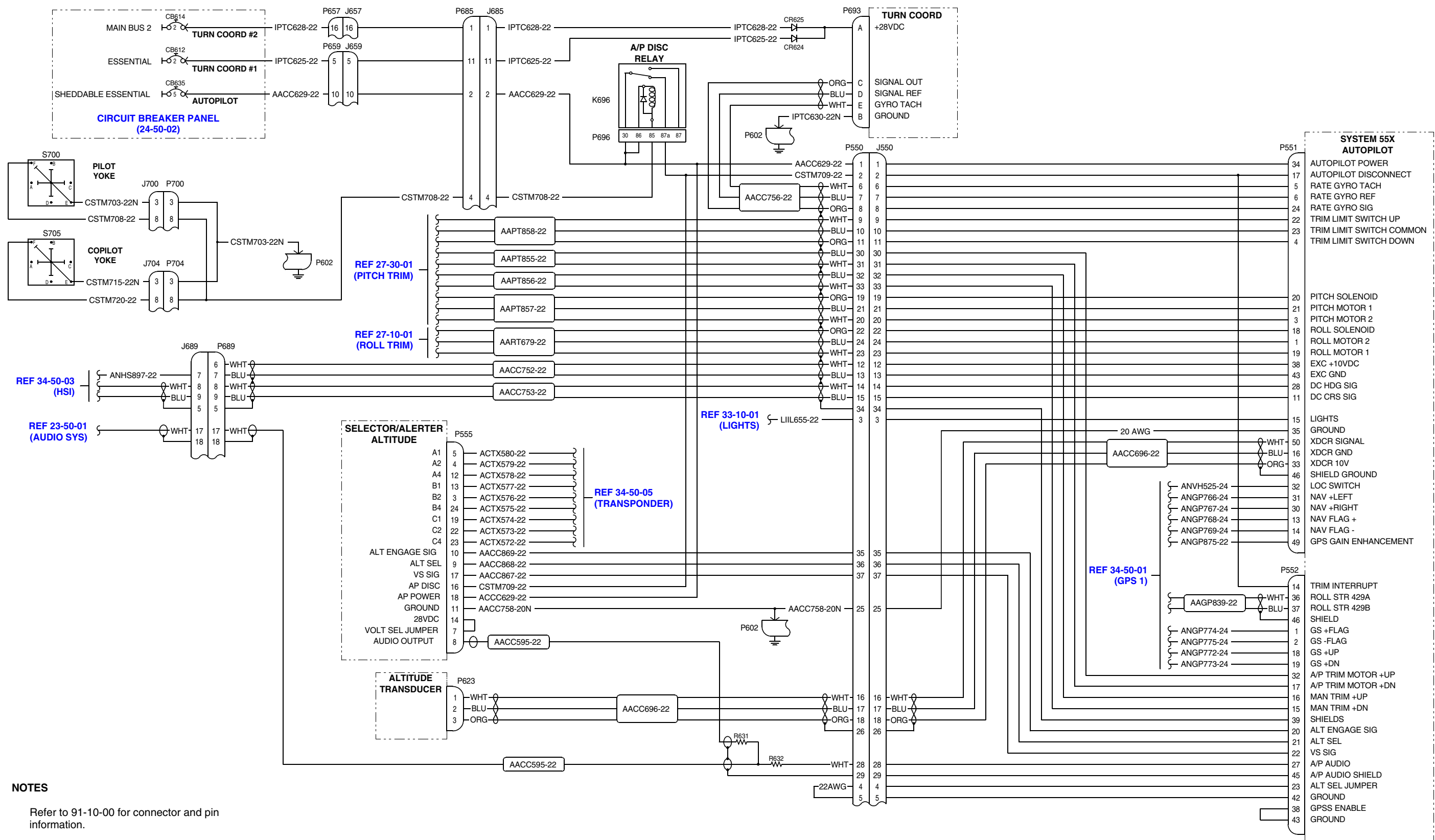


Figure-01
System 55 Autopilot/Turn Coordinator - Serials 1179 thru 1267, Config. "C"

EFFECTIVITY:
Serials 1179 thru 1267, Config. "C"

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NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01

System 55 Autopilot/Turn Coordinator - Serials 1268 thru 1336, Config. "2.2"

EFFECTIVITY:
Serials 1268 thru 1336, Config. "2.2"

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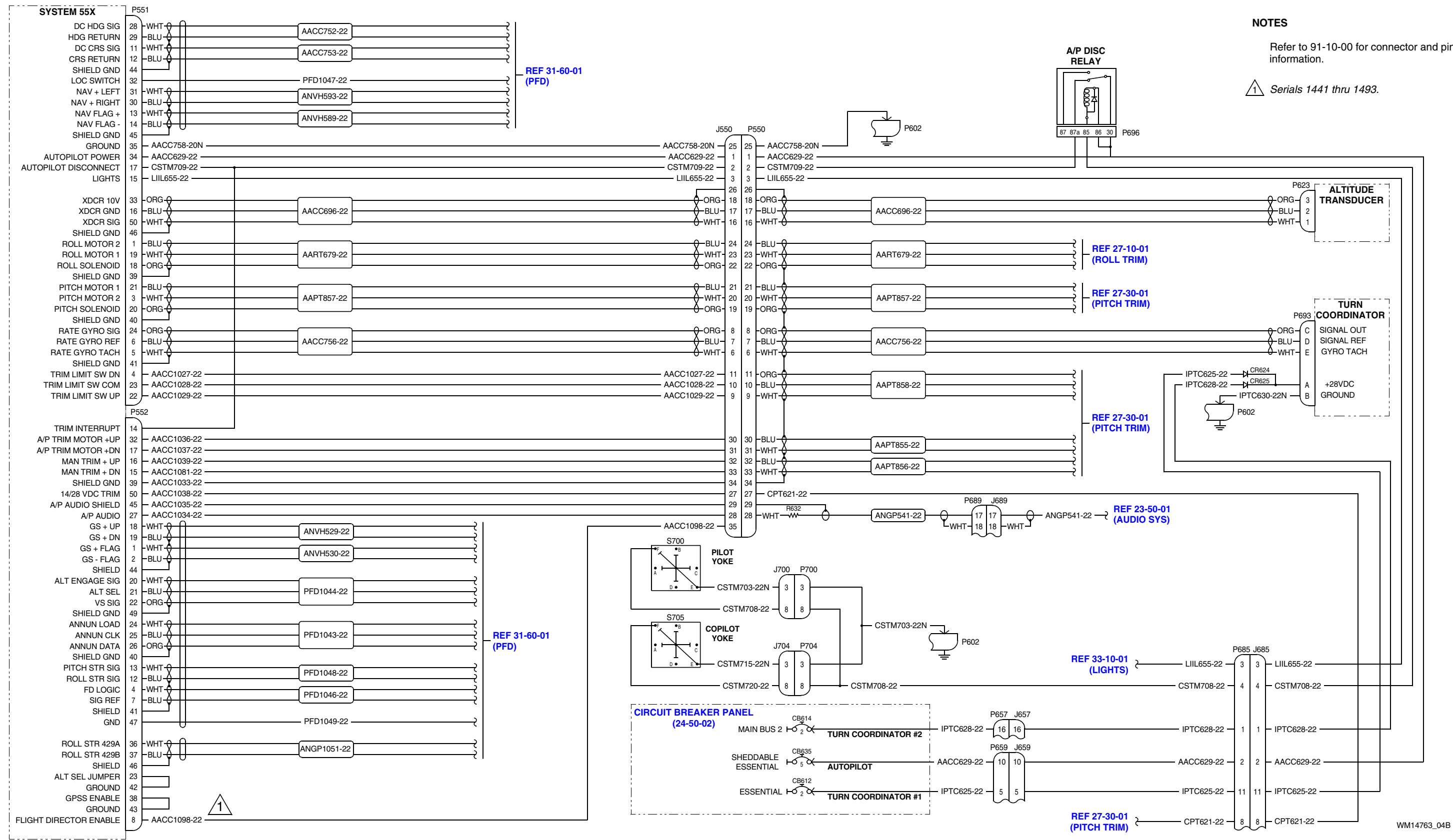
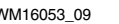


Figure-01

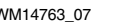
System 55 Autopilot/Turn Coordinator - Serials 1337 thru 1493, Config. "PFD"

EFFECTIVITY:
Serials 1337 thru 1493, Config. "PFD"



System 55 Autopilot/Turn Coordinator - Serials 1494 thru 1705, Config. "PFD"

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System 55 Autopilot/Turn Coordinator - Serials 1706 & subs w/o Perspective Avionics

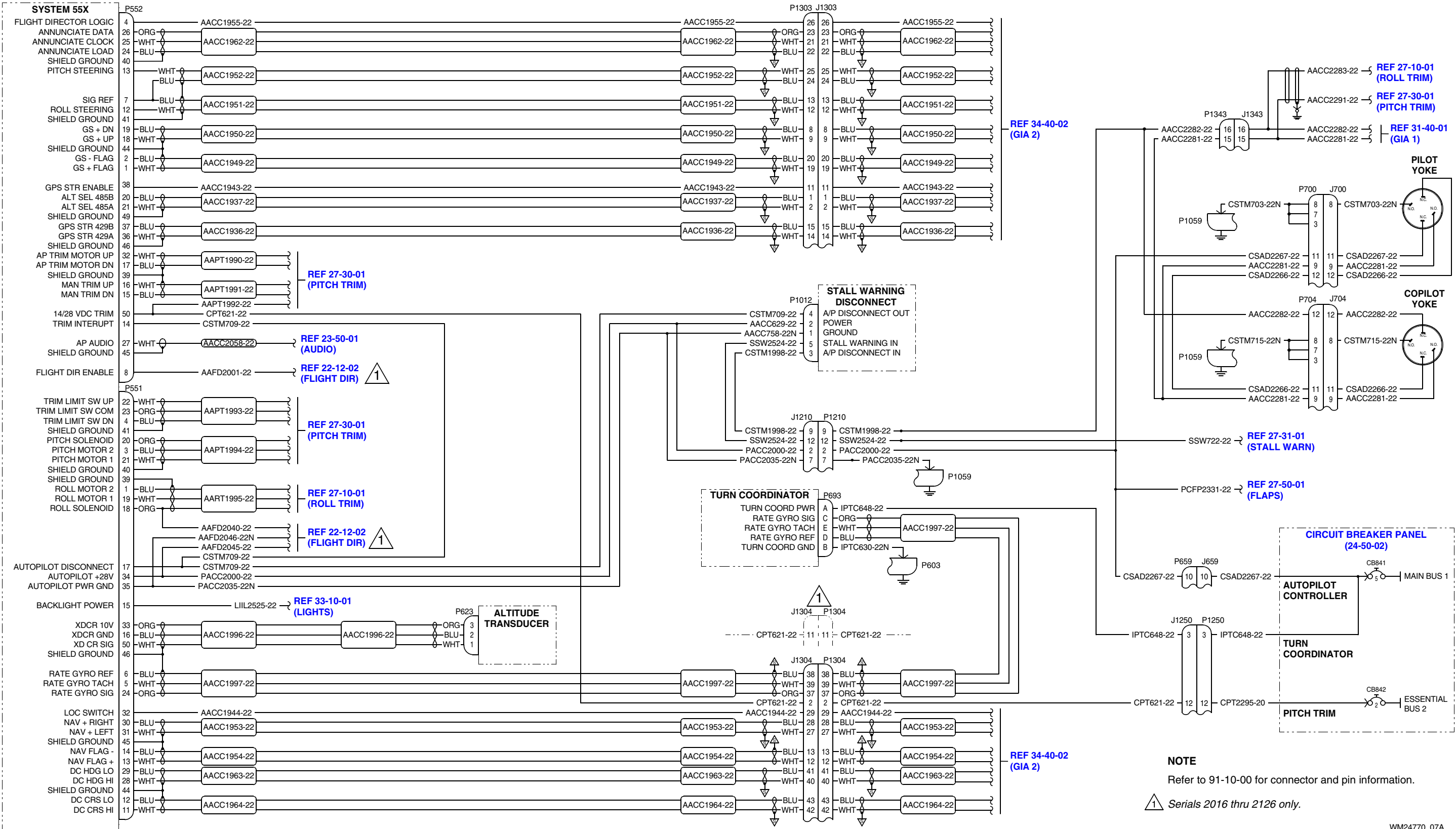
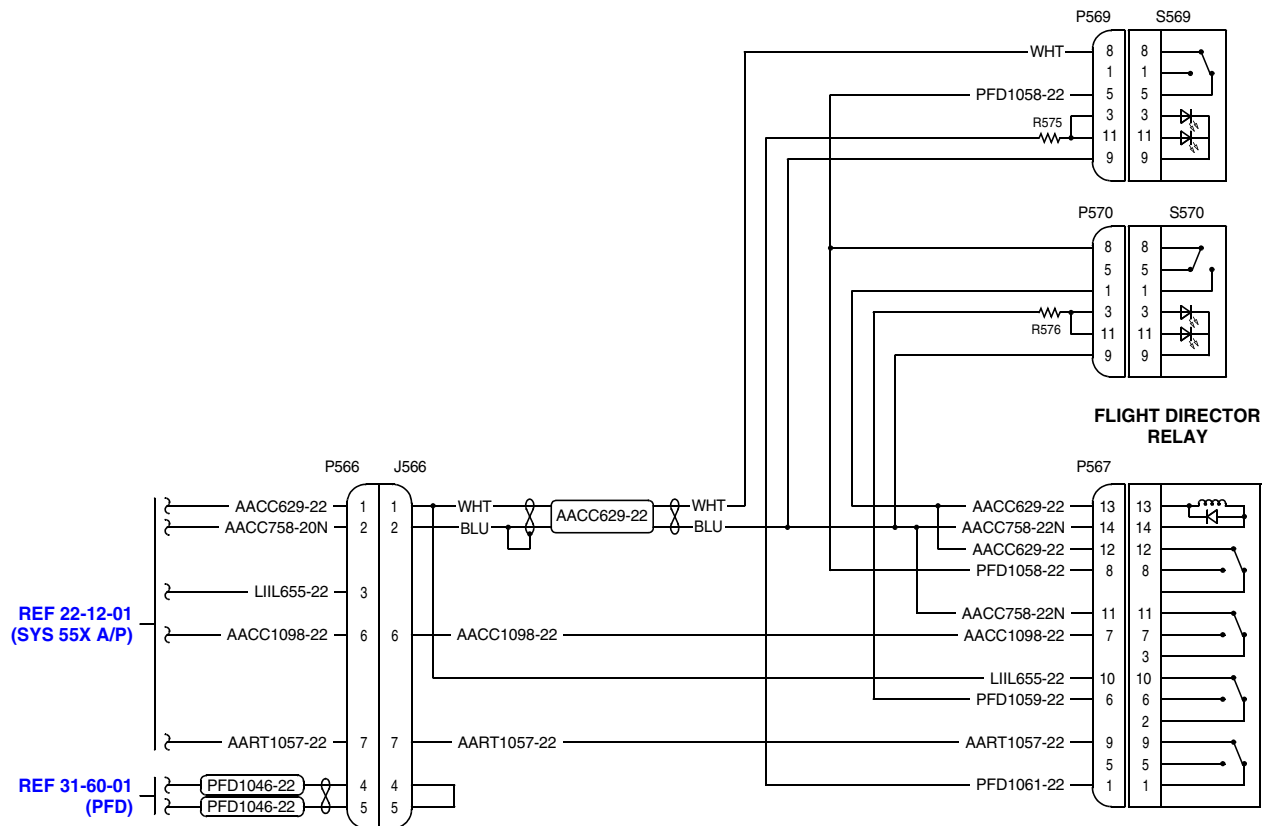


Figure-01
System 55 Autopilot/Turn Coordinator - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics



NOTES

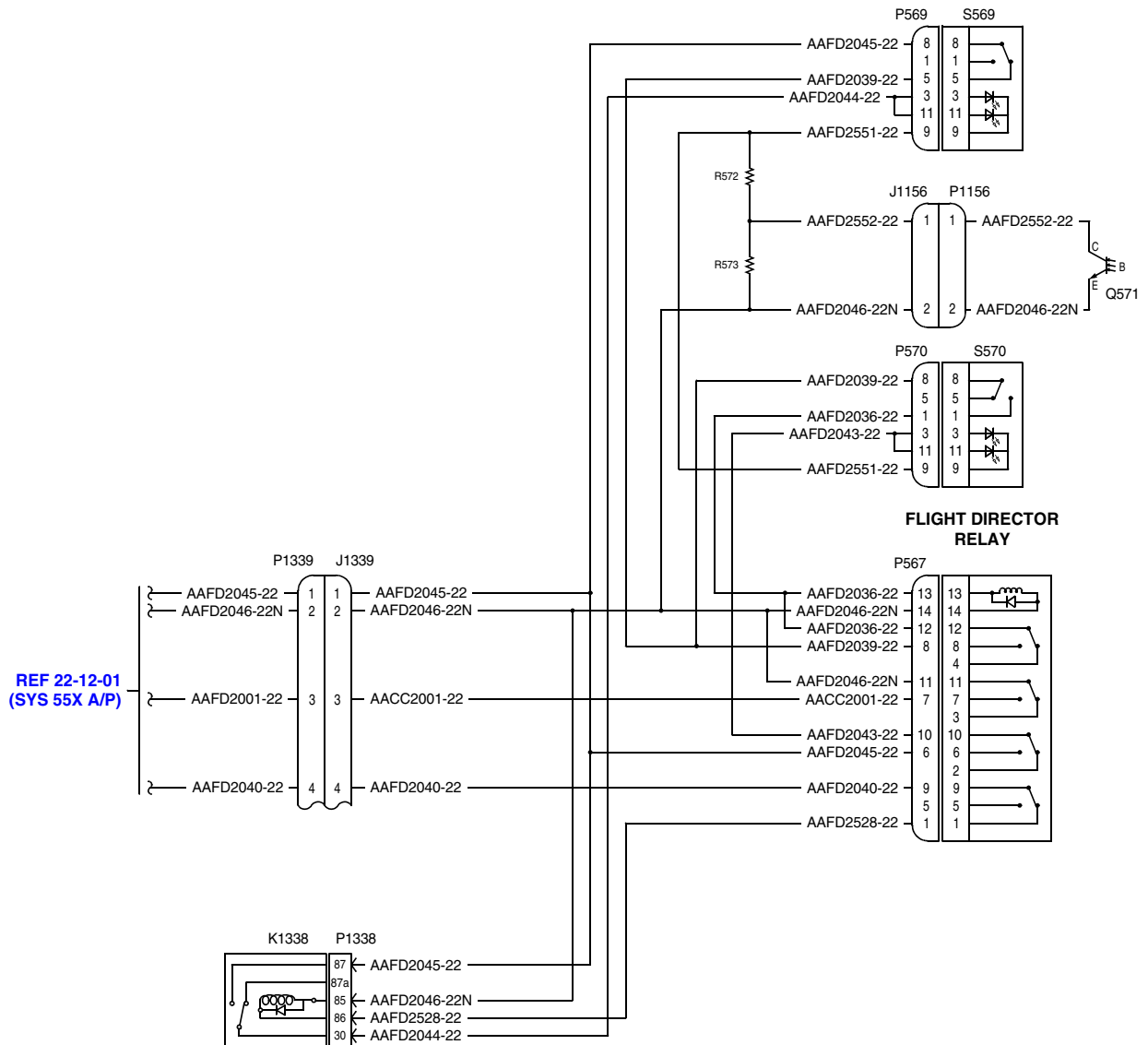
Refer to 91-10-00 for connector and pin information.

WM16171_01

Figure-02
Flight Director - Serials 1494 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1494 & subs w/o Perspective Avionics

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NOTES

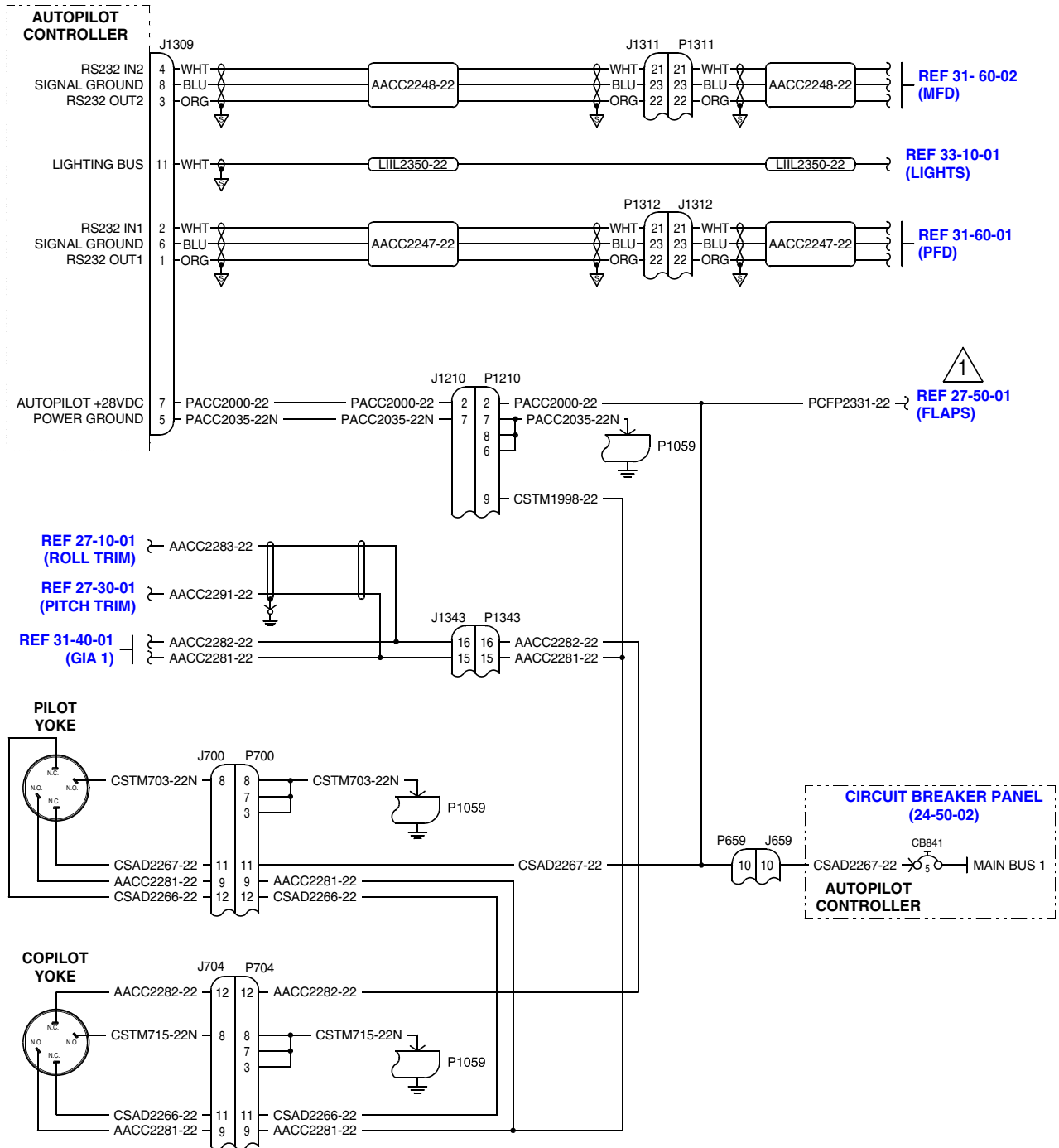
Refer to 91-10-00 for connector and pin information.

WM24706_01

Figure-02
Flight Director - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

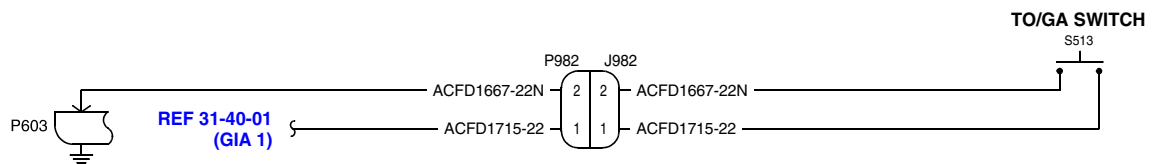
Serials 2016 thru 2221.

WM24500_05A

Figure-01
Automated Flight Control System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
 Serials 2016 & subs w/ Perspective Avionics

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 01 Feb 2013



NOTES

Refer to 91-10-00 for connector and pin information.

WM24570_19

Figure-01

Take-Off/Go-Around (TO/GA) Switch - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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CHAPTER

23

COMMUNICATIONS

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23-50	9	15 DEC 2014
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23-50	17	01 MAY 2012

EFFECTIVITY:
All

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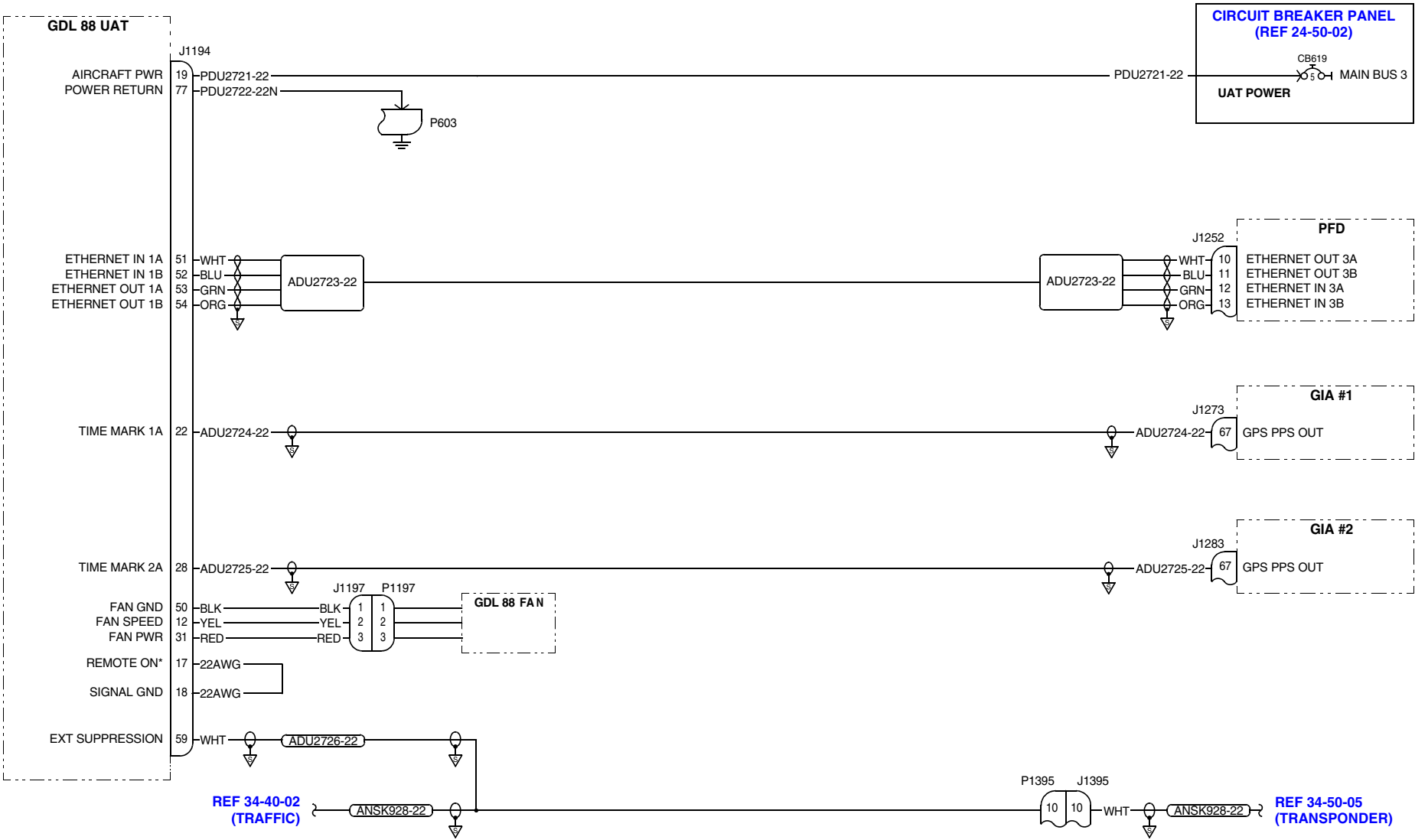
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Audio System - Serials 1148 thru 1178, Config. "B" or "C"	23-50-01
Audio System - Serials 1179 thru 1231, Config. "B" or "C"	23-50-01
Audio System - Serials 1232 thru 1336, Config. "B" or "C"	23-50-01
Audio System - Serials 1337 thru 1532, Config. "PFD"	23-50-01
Audio System - Serials 1533 & subs w/o Perspective Avionics	23-50-01
Audio System - Serials 1359 & subs, Config. "SRV" w/o Autopilot	23-50-01
Audio System - Serials 1359 thru 1532, Config. "SRV" w/ Autopilot	23-50-01
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GMA 347 Audio Panel - Serials 2086 & subs w/ Configuration "S" (USAFA)	23-50-01

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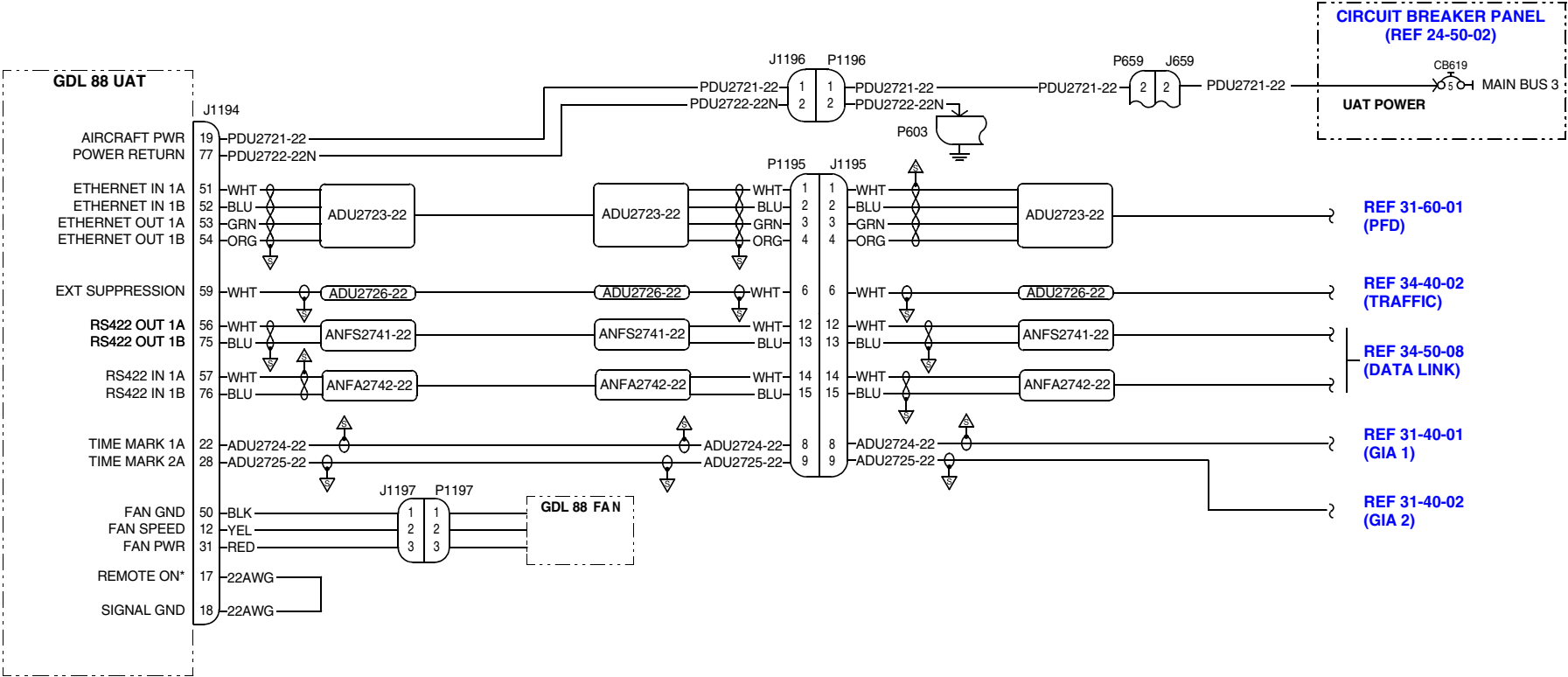


NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Universal Access Transceiver GDL 88 - Serials 1005 thru 2338 after SB2X-23-05

EFFECTIVITY:
Serials 1005 thru 2338 after SB2X-23-05



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Universal Access Transceiver GDL 88 - Serials 2339 & subs w/ GDL 88

EFFECTIVITY:
Serials 2339 & subs w/ GDL 88

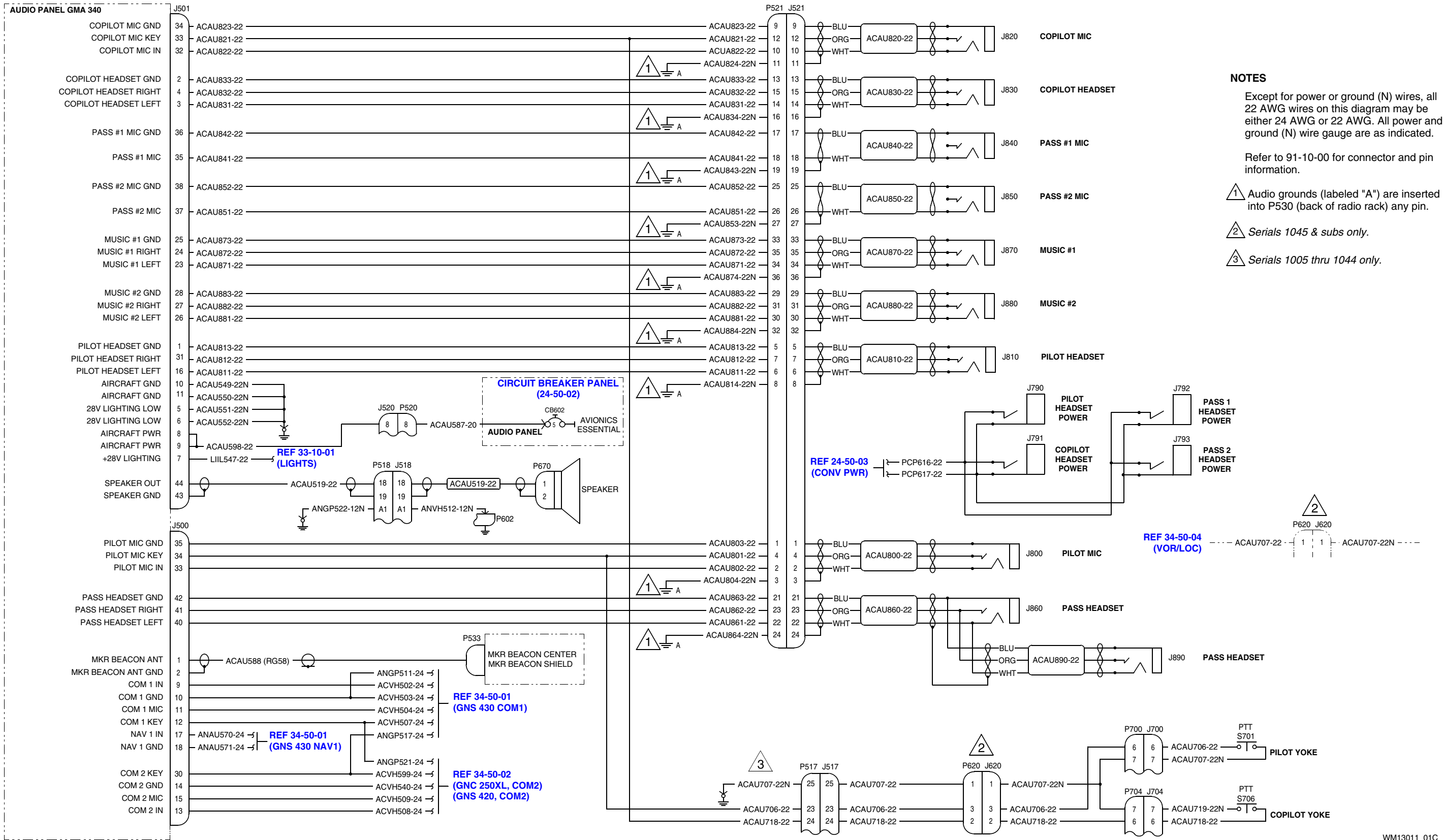
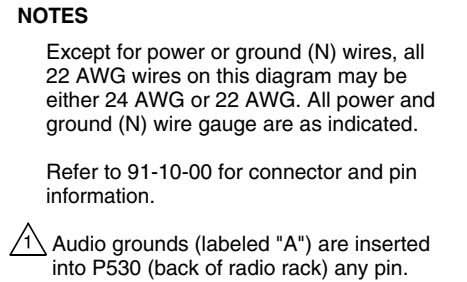


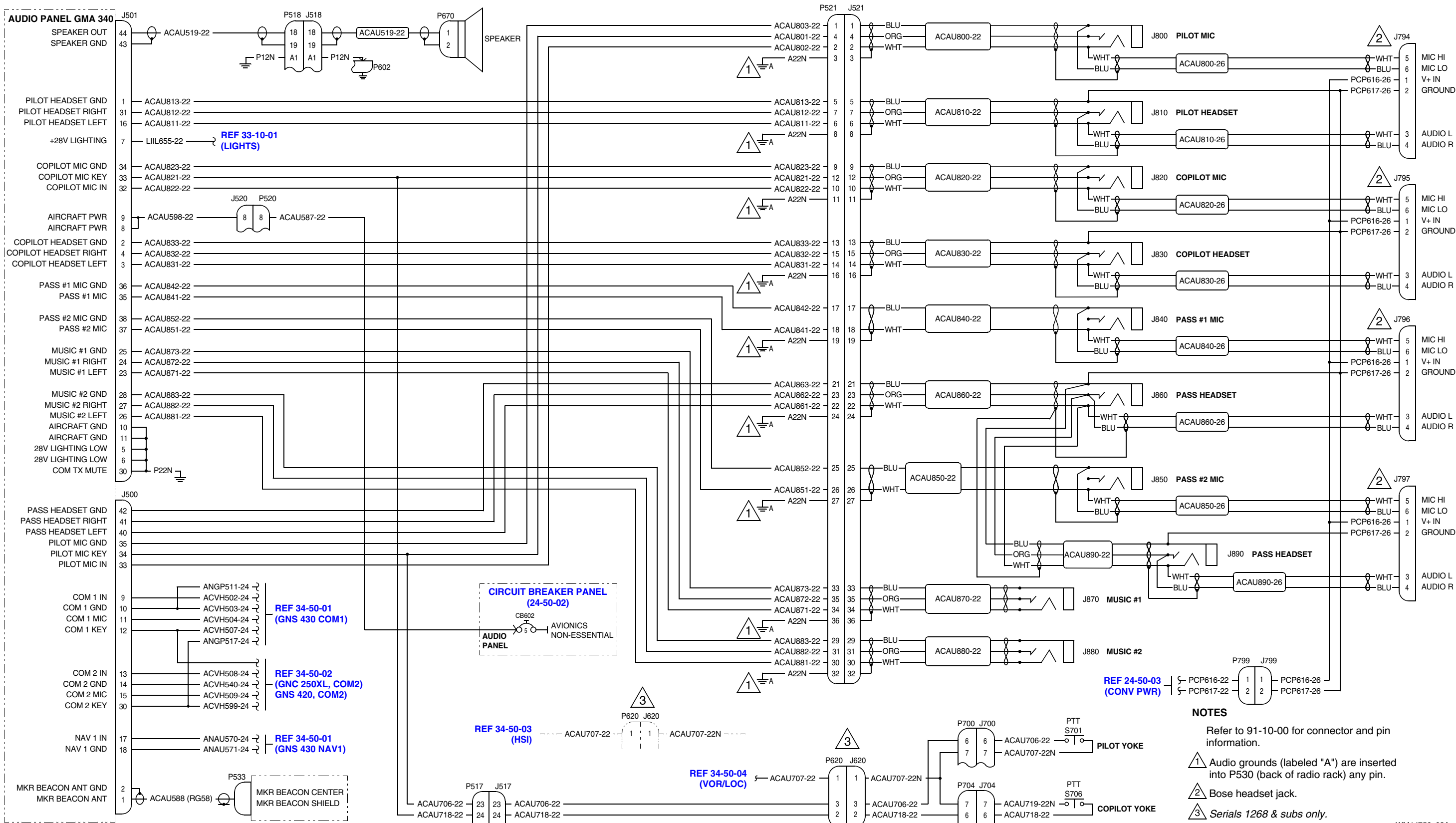
Figure-01

Audio System - Serials 1005 thru 1147, Config. "A"

EFFECTIVITY:
Serials 1005 thru 1147, Config. "A"



EFFECTIVITY:
Serials 1148 thru 1231, Config. "A"



WM14756_03A

EFFECTIVITY:
Serials 1232 thru 1336, Config. "A"

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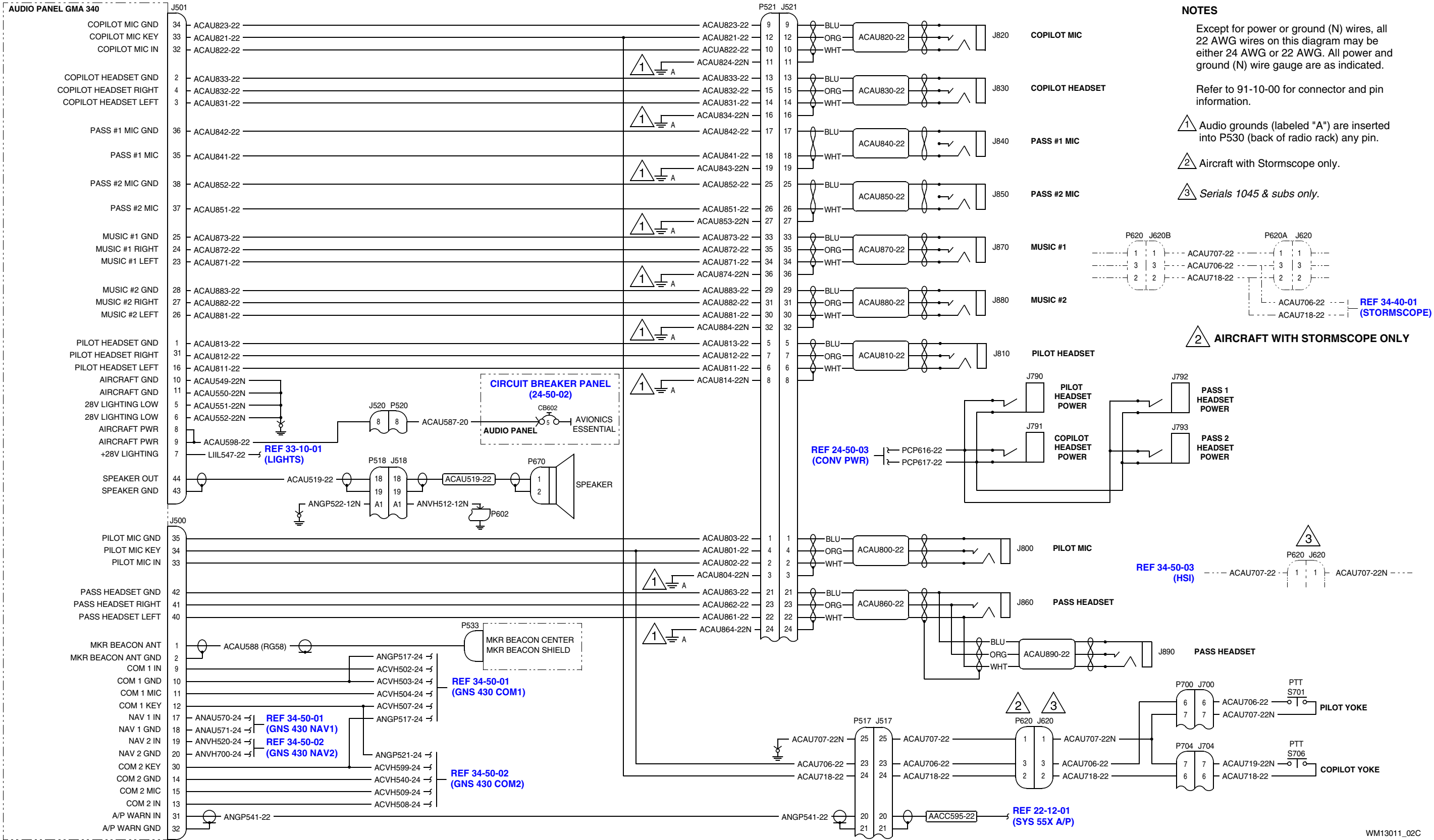
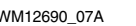


Figure-01

Audio System - Serials 1005 thru 1147, Config. "B" or "C"

EFFECTIVITY:
Serials 1005 thru 1147, Config. "B" or "C"



EFFECTIVITY:
Serials 1148 thru 1178, Config. "B" or "C"

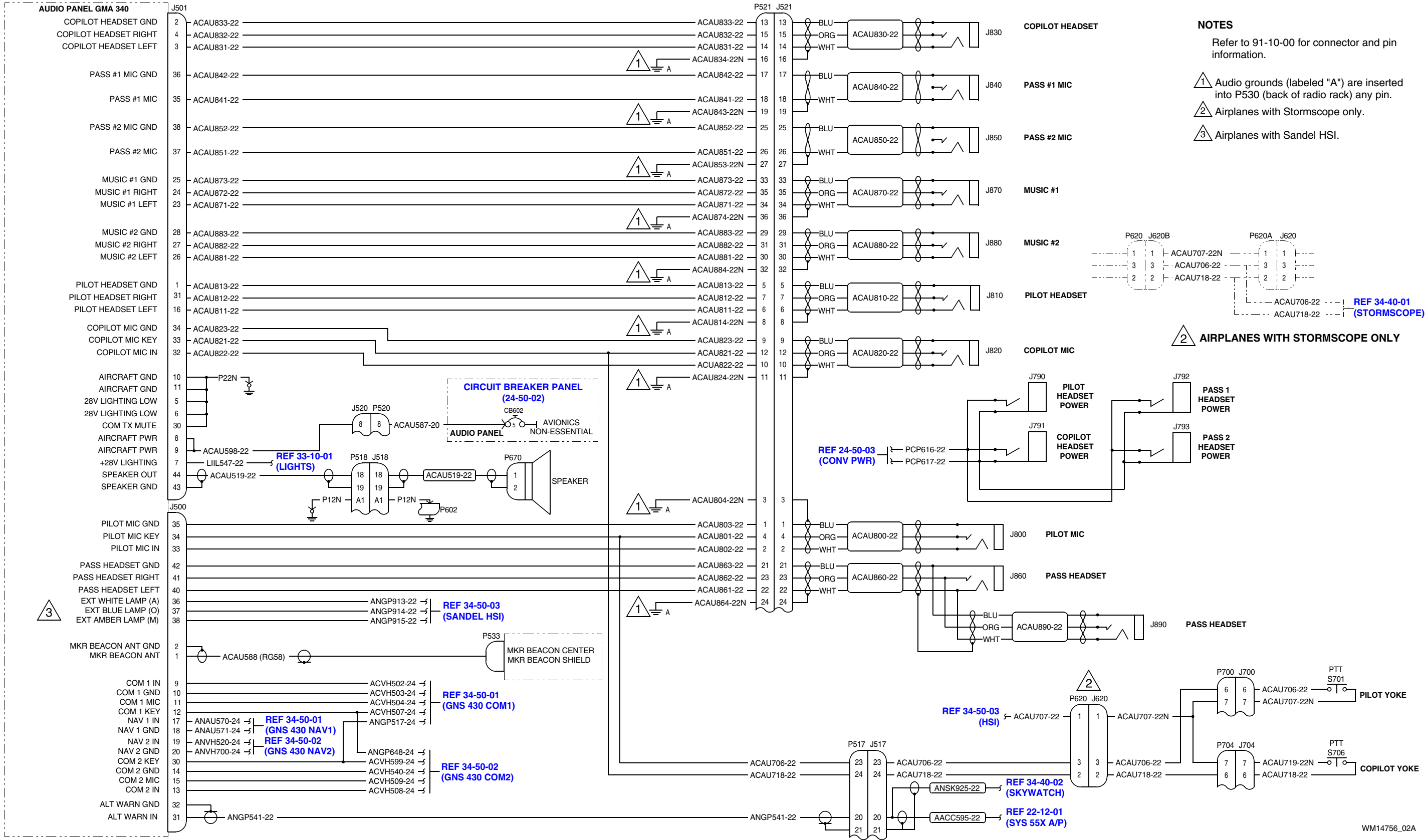


Figure-01

Audio System - Serials 1179 thru 1231, Config. "B" or "C"

EFFECTIVITY:
Serials 1179 thru 1231, Config. "B" or "C"

23-50-01
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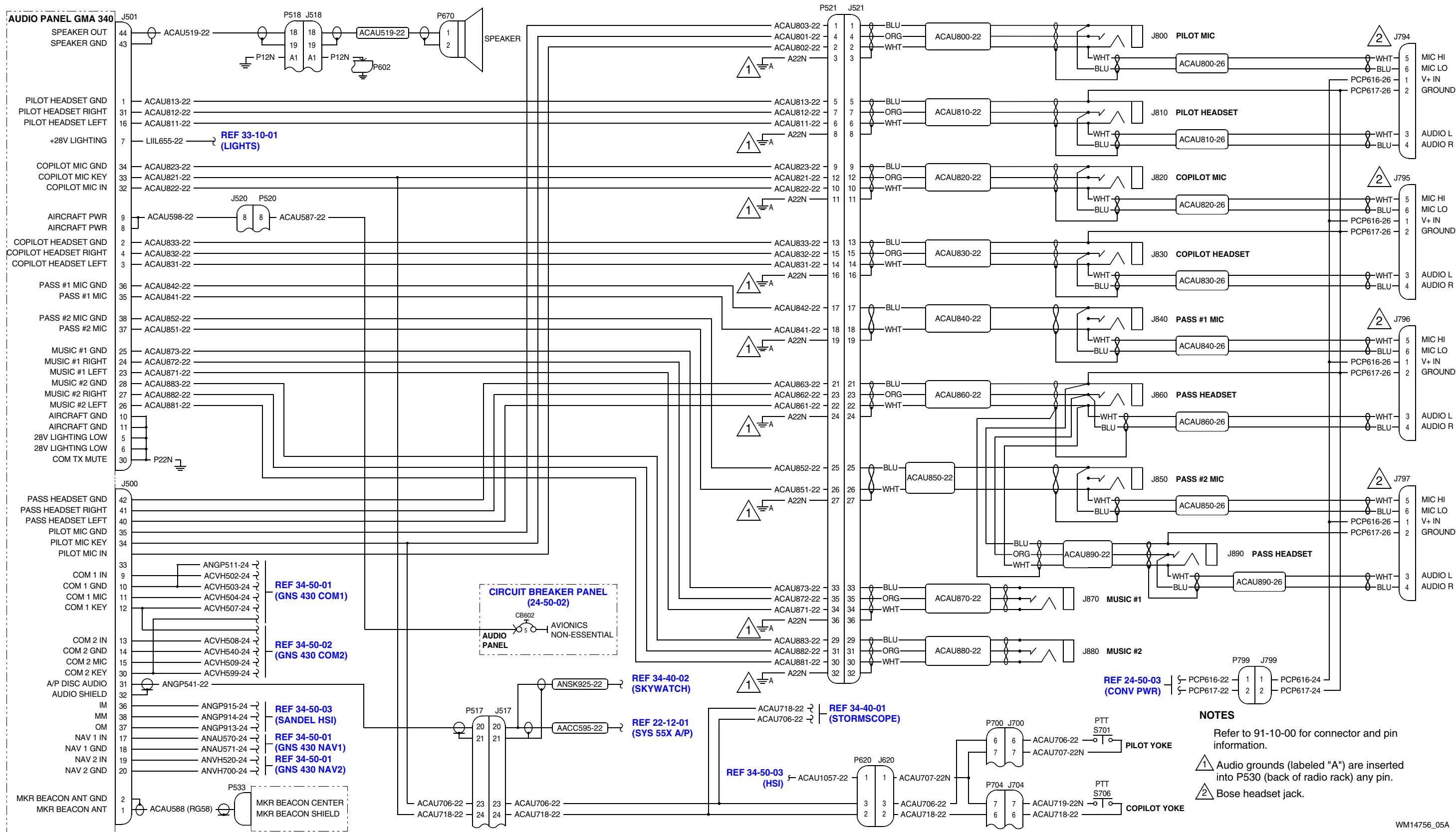
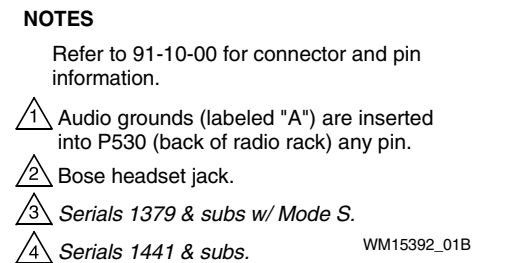


Figure-01

Audio System - Serials 1232 thru 1336, Config. "B" or "C"

EFFECTIVITY:
Serials 1232 thru 1336, Config. "B" or "C"

23-50-01
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EFFECTIVITY:
Serials 1337 thru 1532, Config. "PFD"

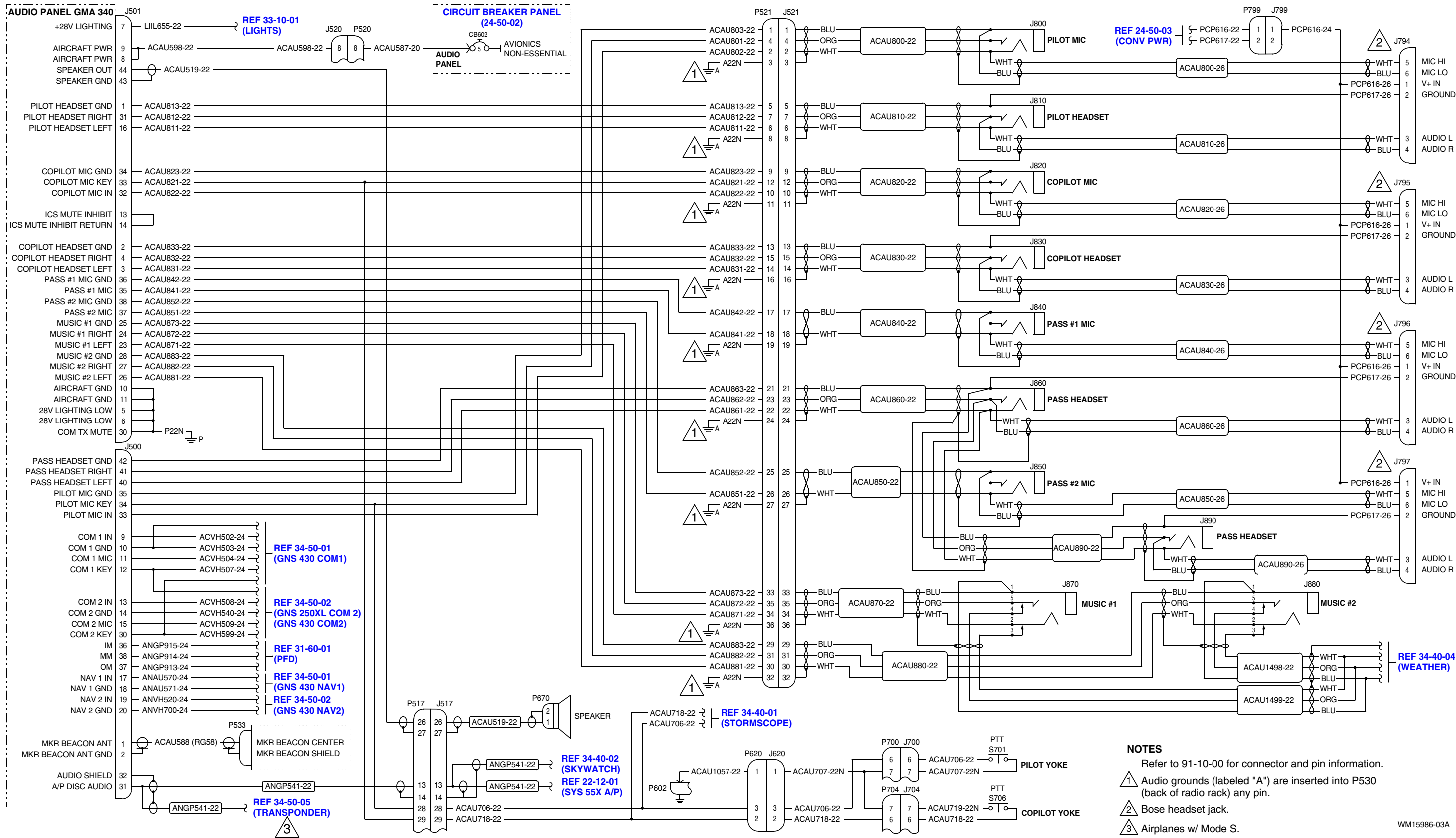
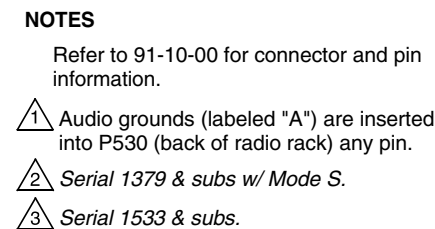


Figure-01

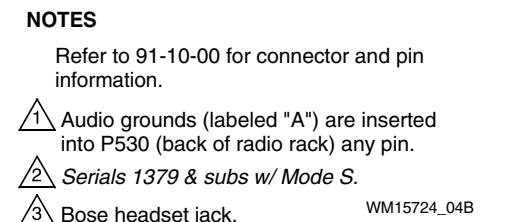
Audio System - Serials 1533 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1533 & subs w/o Perspective Avionics

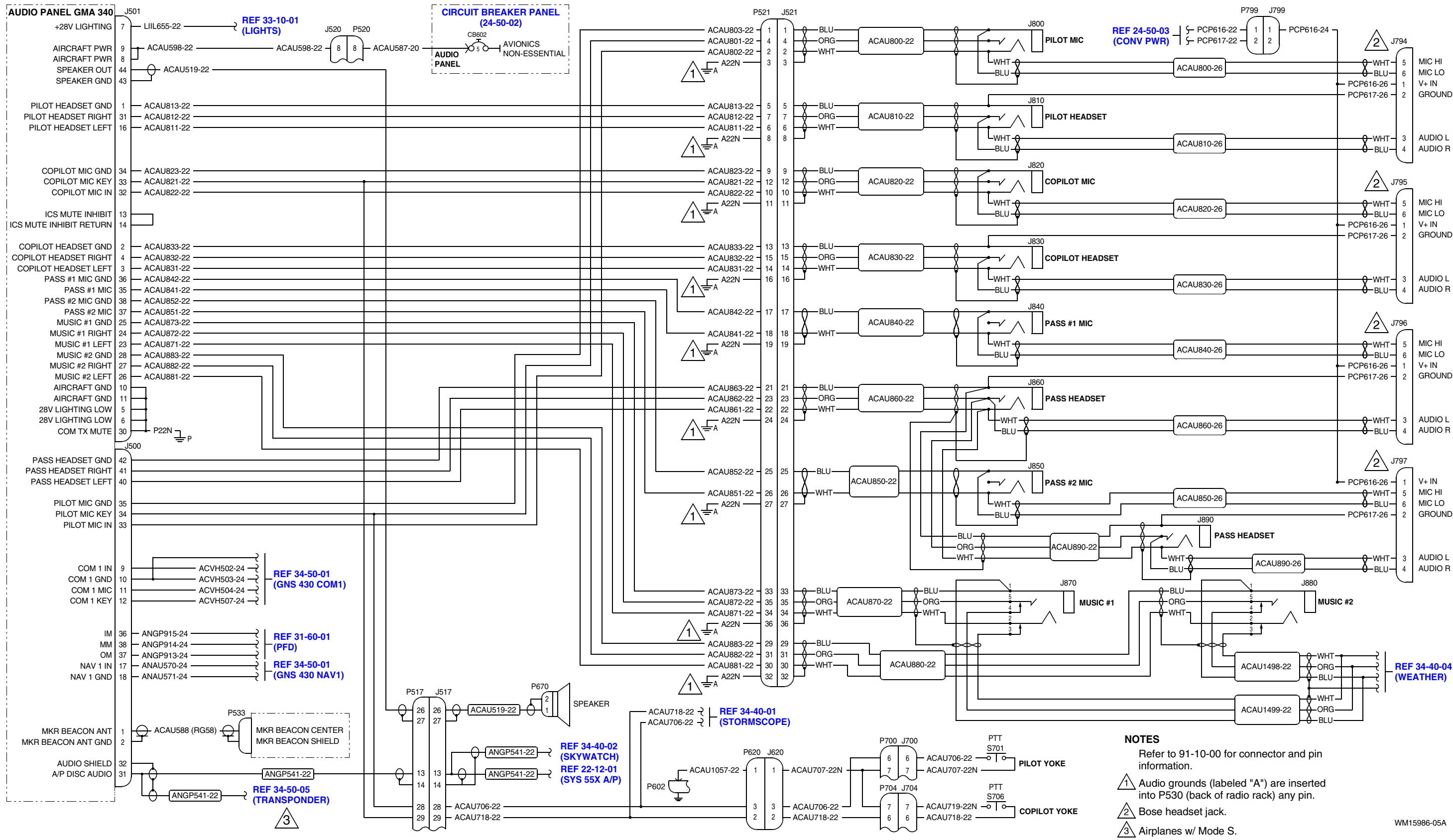


Audio System - Serials 1359 & subs, Config. "SRV" w/o Autopilot

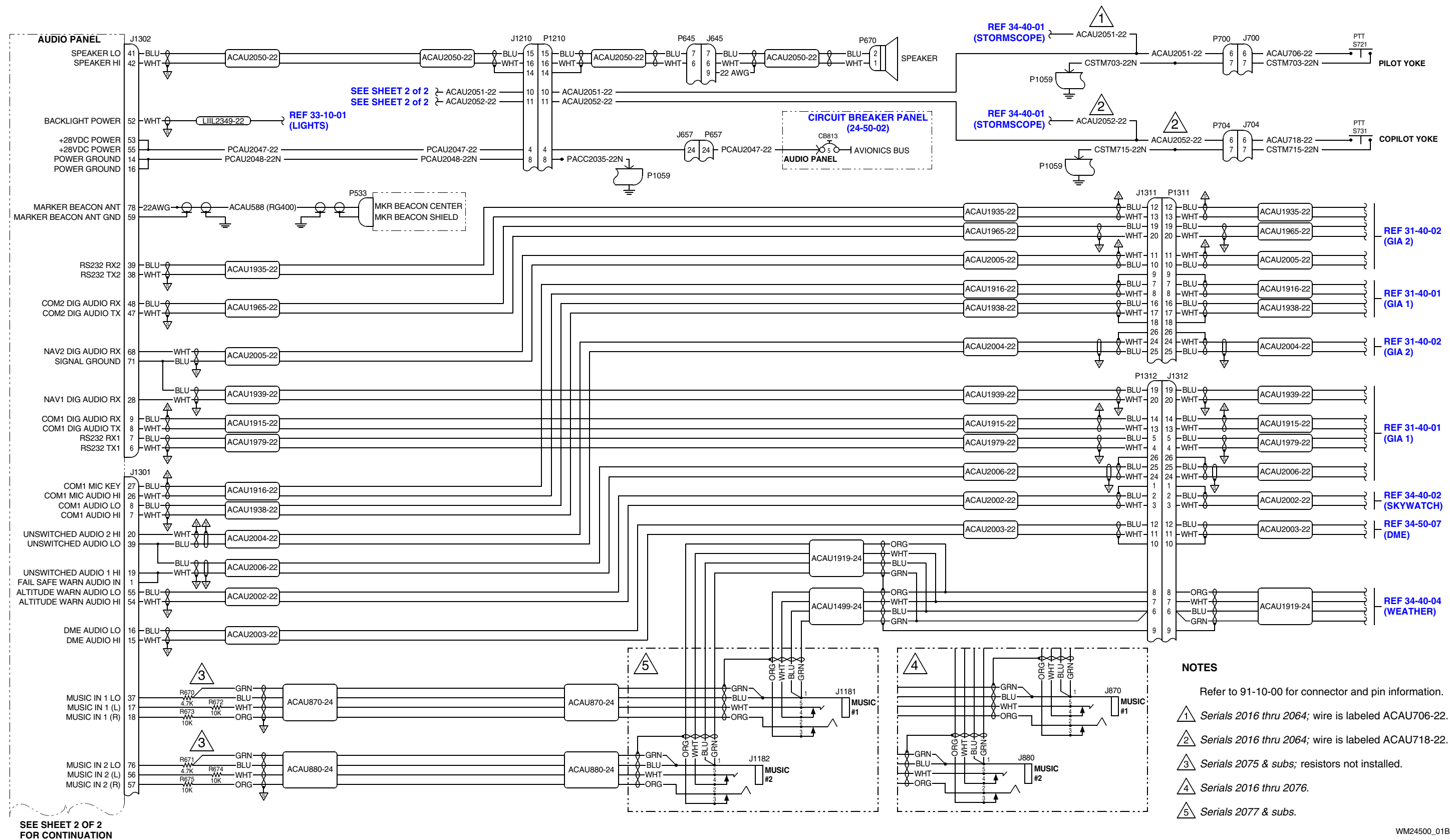
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EFFECTIVITY:
Serials 1359 thru 1532, Config. "SRV" w/ Autopilot



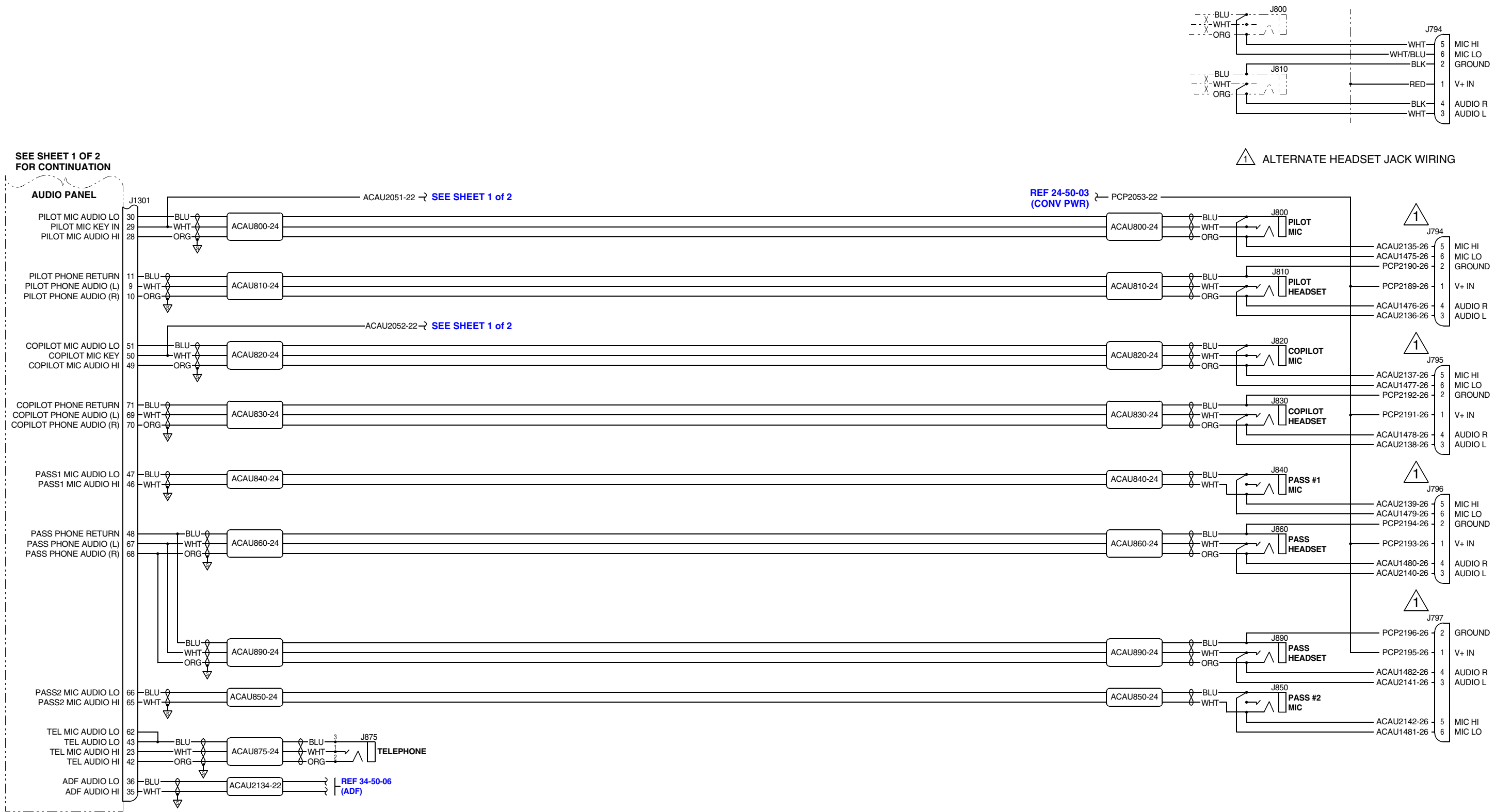
EFFECTIVITY:
Serials 1533 & subs, Config. "SRV" w/ Autopilot

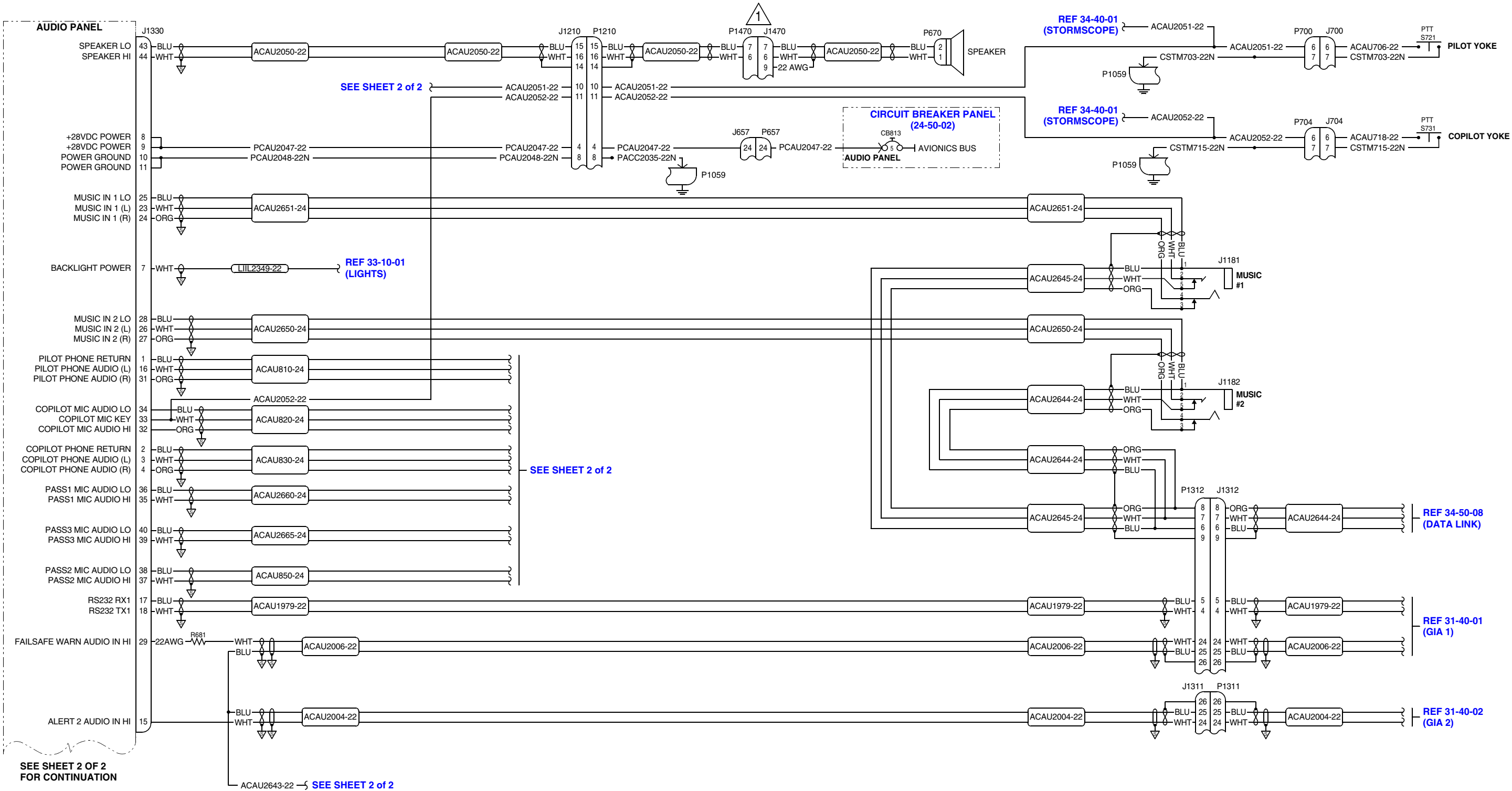


WM24500_01B

EFFECTIVITY:
Serials 2016 thru 2126 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

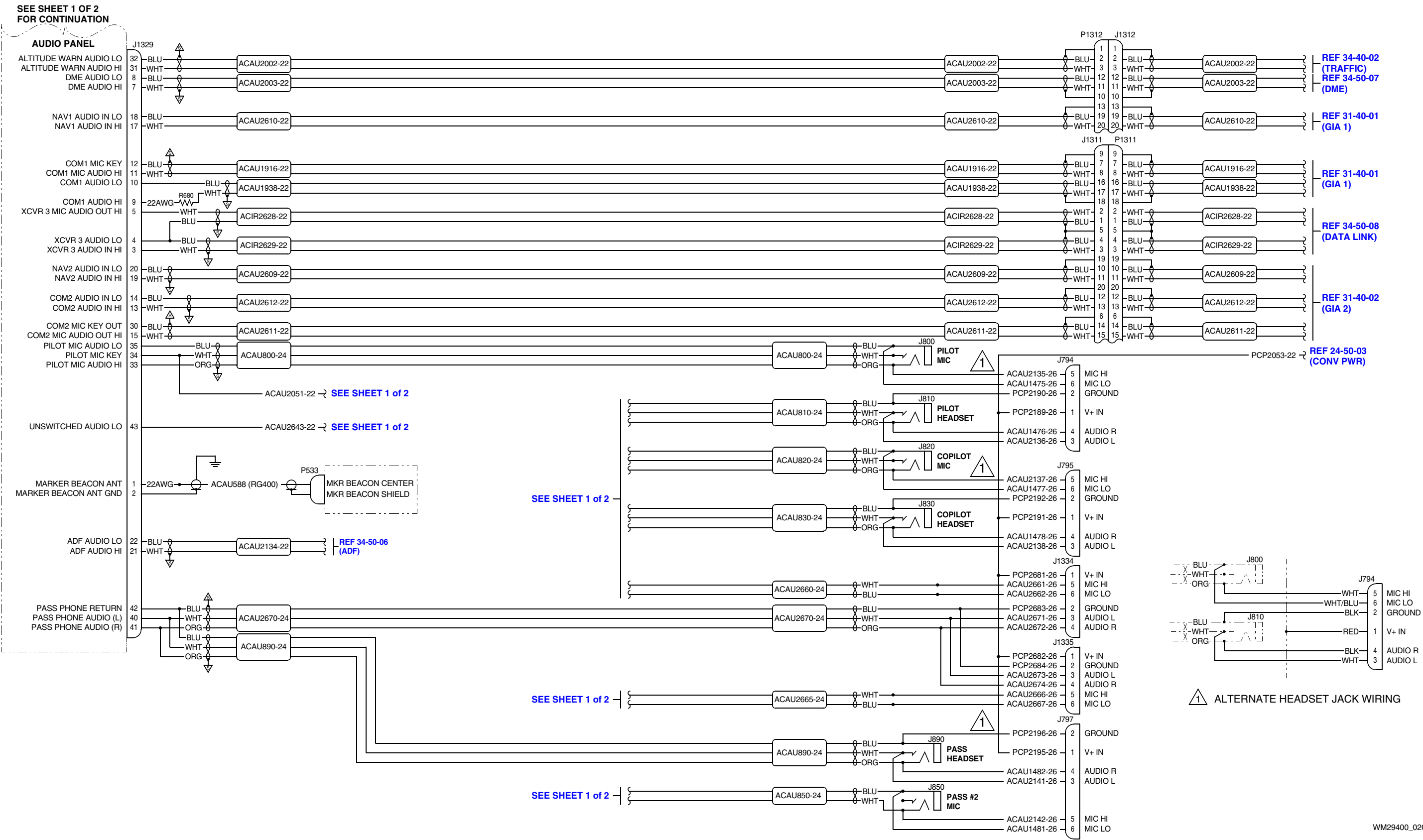
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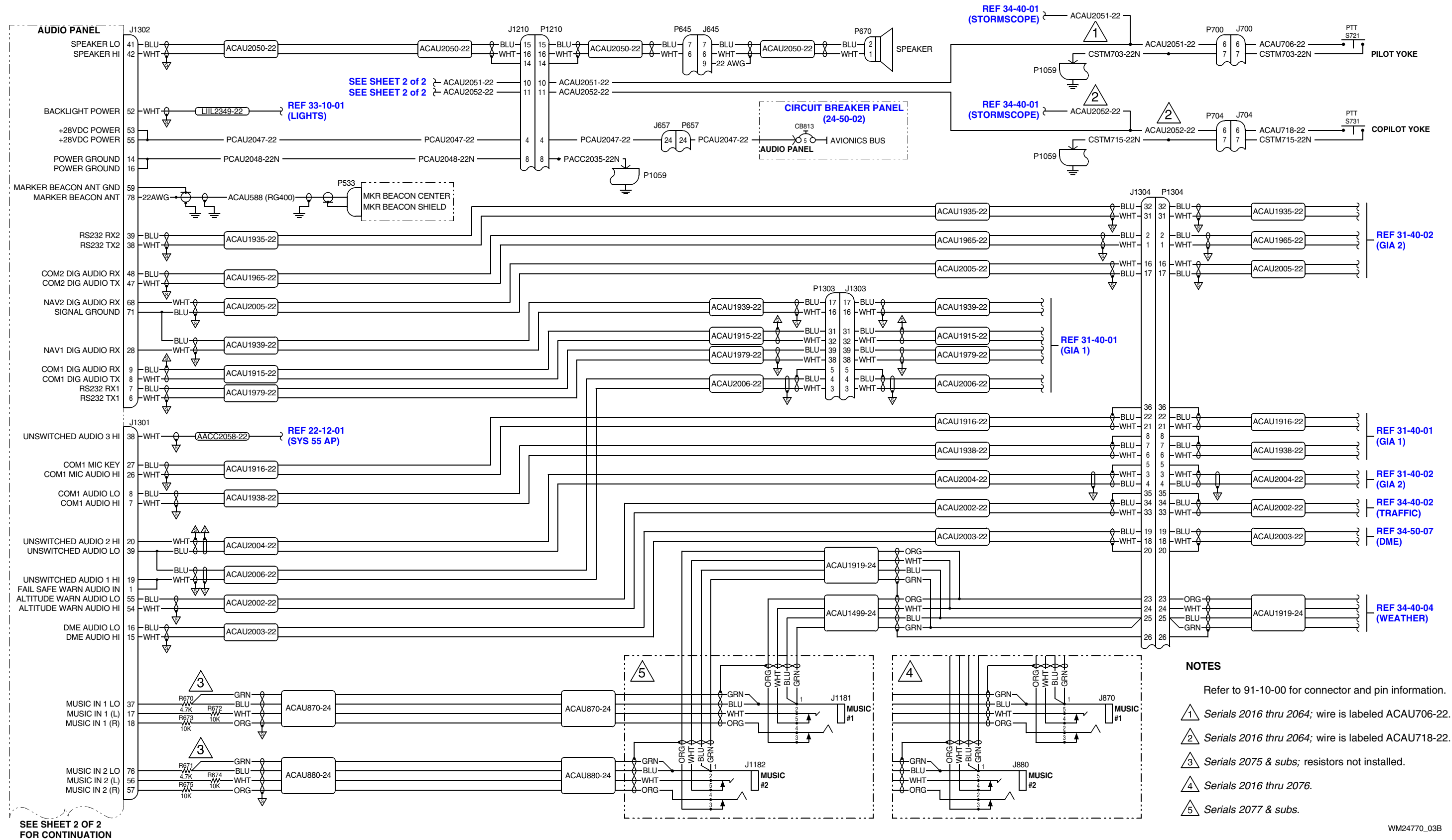
WM29400_01B

Figure-01

GMA 350 Audio Panel - Serials 2127 & subs w/ Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 2127 & subs w/ Perspective Avionics





WM24770_03B

EFFECTIVITY:
Serials 2016 thru 2126 w/ Sys 55 AP, w/ Perspective Avionics

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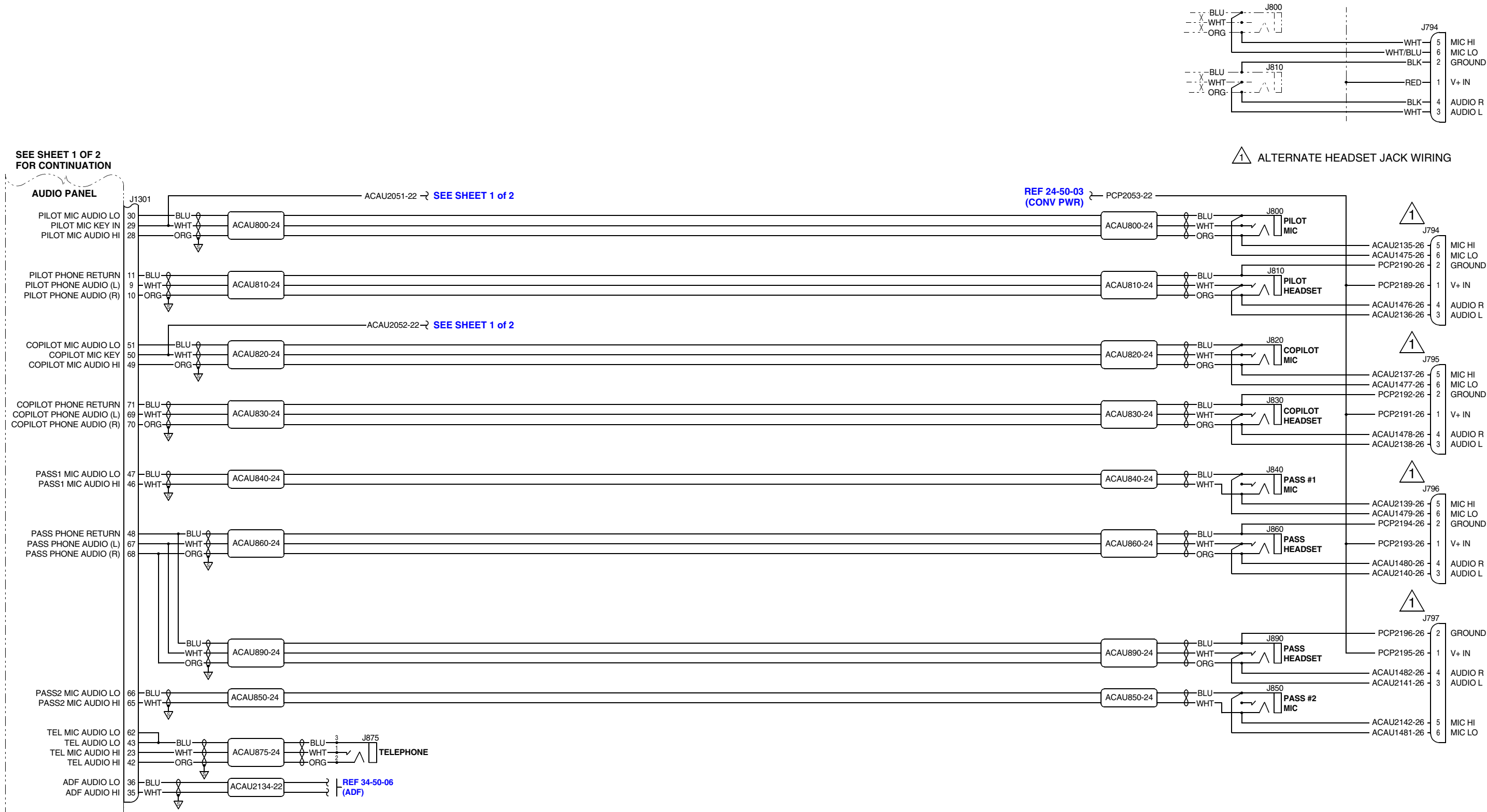


Figure-01

GMA 347 Audio Panel - Serials 2016 thru 2126 w/ Sys 55 AP, w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 thru 2126 w/ Sys 55 AP, w/ Perspective
Avionics

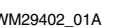


Figure-01

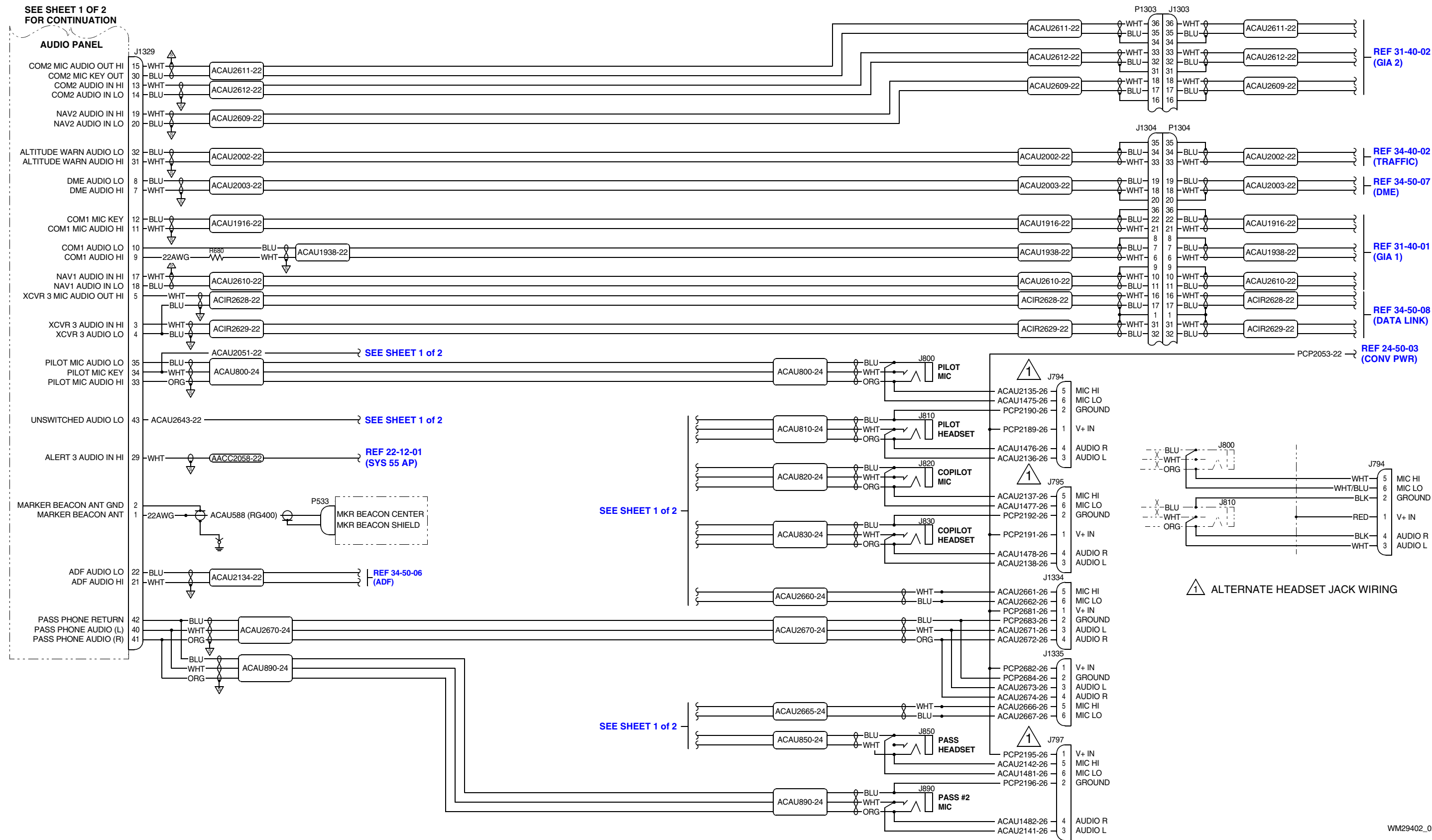
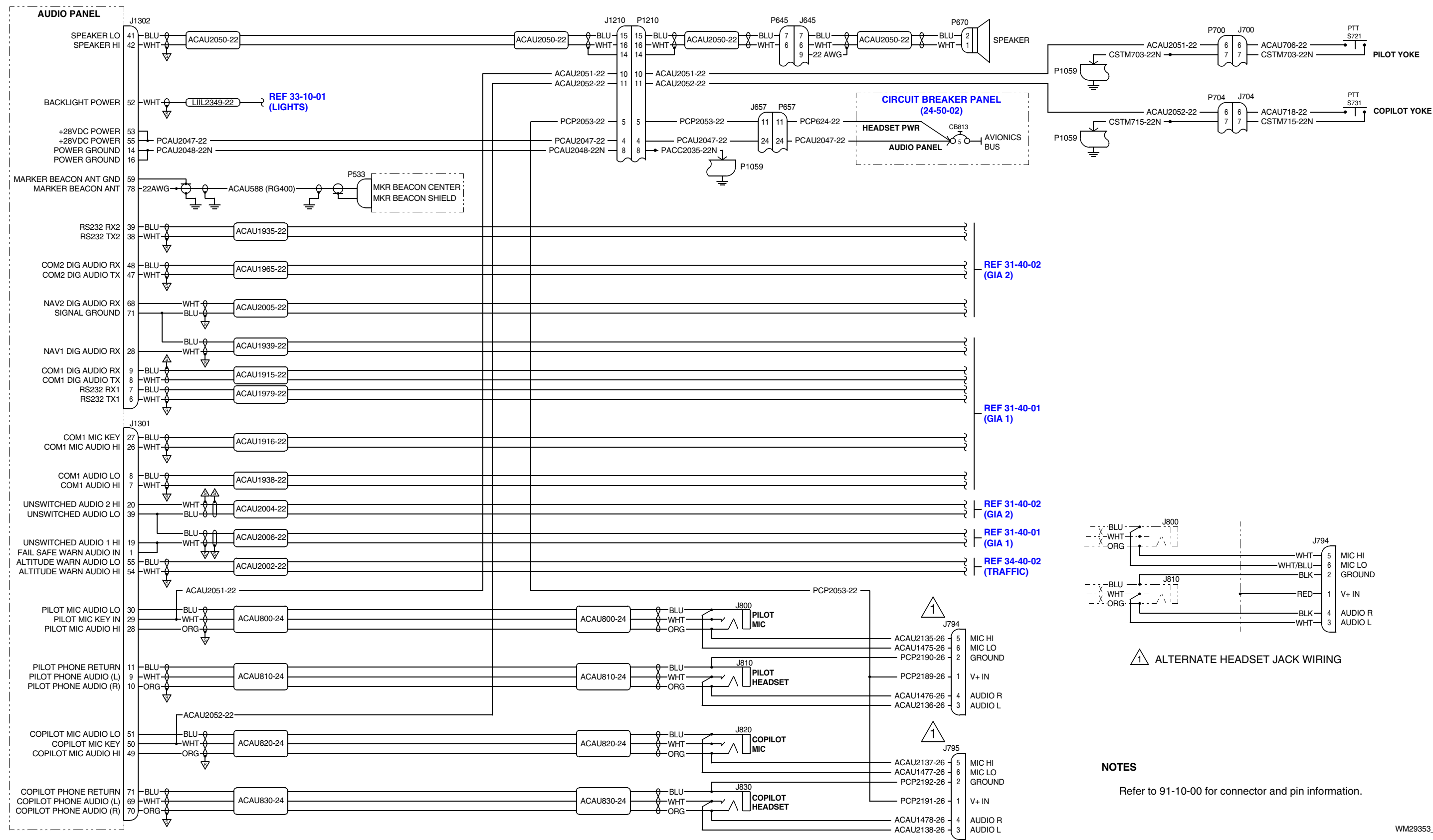


Figure-01

GMA 350 Audio Panel - Serials 2127 & subs w/ Sys 55 AP, w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2127 & subs w/ Sys 55 AP, w/ Perspective Avionics



EFFECTIVITY:
Serials 2086 & subs w/ Configuration "S"

CHAPTER

24

**ELECTRICAL
POWER**

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DC Generation - Serials 1268 thru 1422 after SB2X-95-17, 1423 thru 1581 after SB2X-95-18 (2 of 2)	24-30-01
DC Generation - Serials 1582 & subs w/o Perspective before SB2X-95-18 (1 of 2)	24-30-01
DC Generation - Serials 1582 & subs w/o Perspective after SB2X-95-18 (2 of 2)	24-30-01
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Convenience Power - Serials 2156 & subs w/ Perspective Avionics	24-50-03
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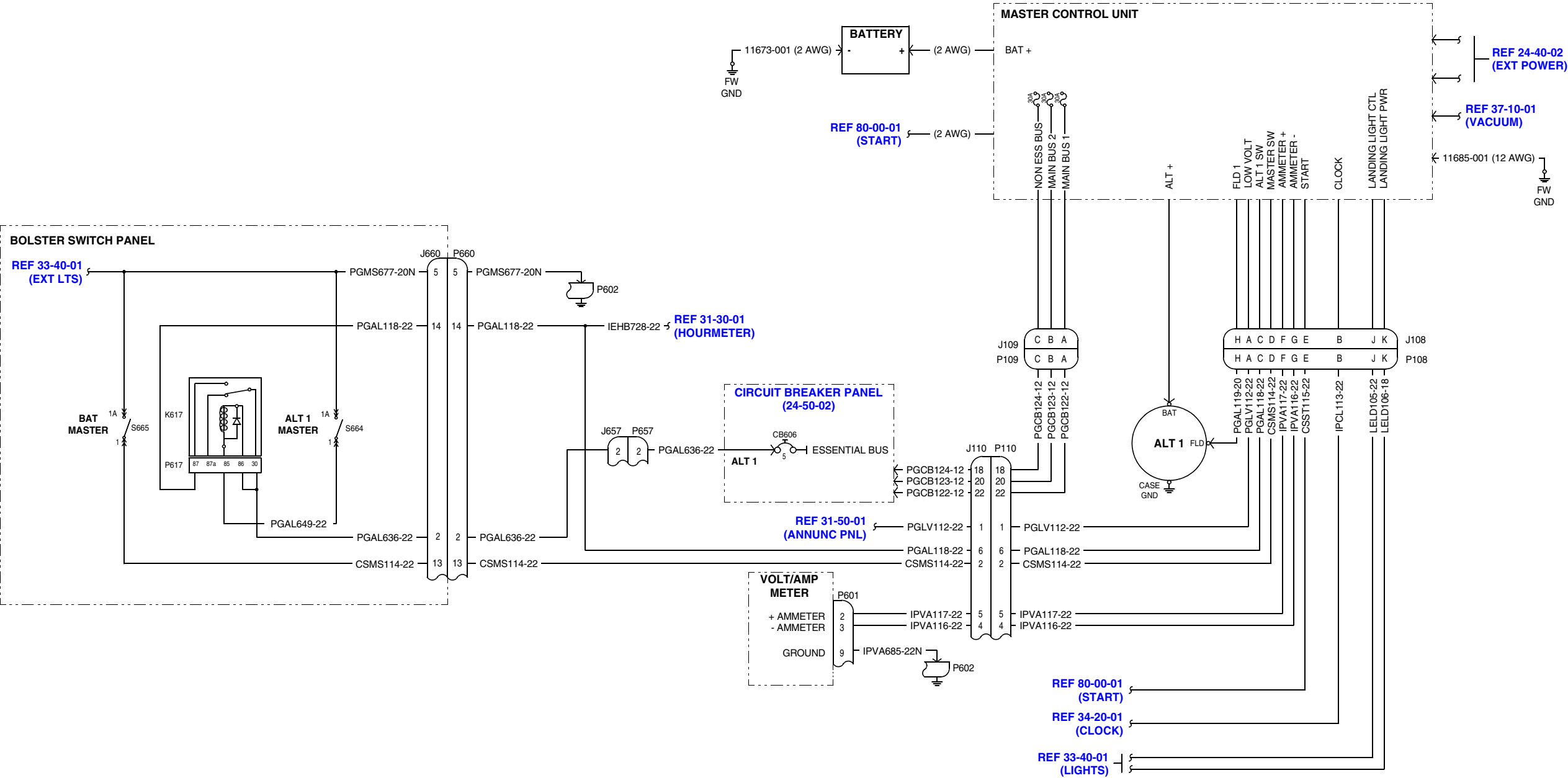
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Convenience System Controller - Serials 2303 & subs w/ Convenience Lighting

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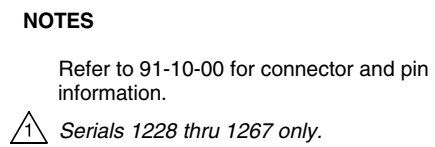


NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
DC Generation - Serials 1005 thru 1183 w/ 1 Alt.

EFFECTIVITY:
Serials 1005 thru 1183 w/ 1 Alt.



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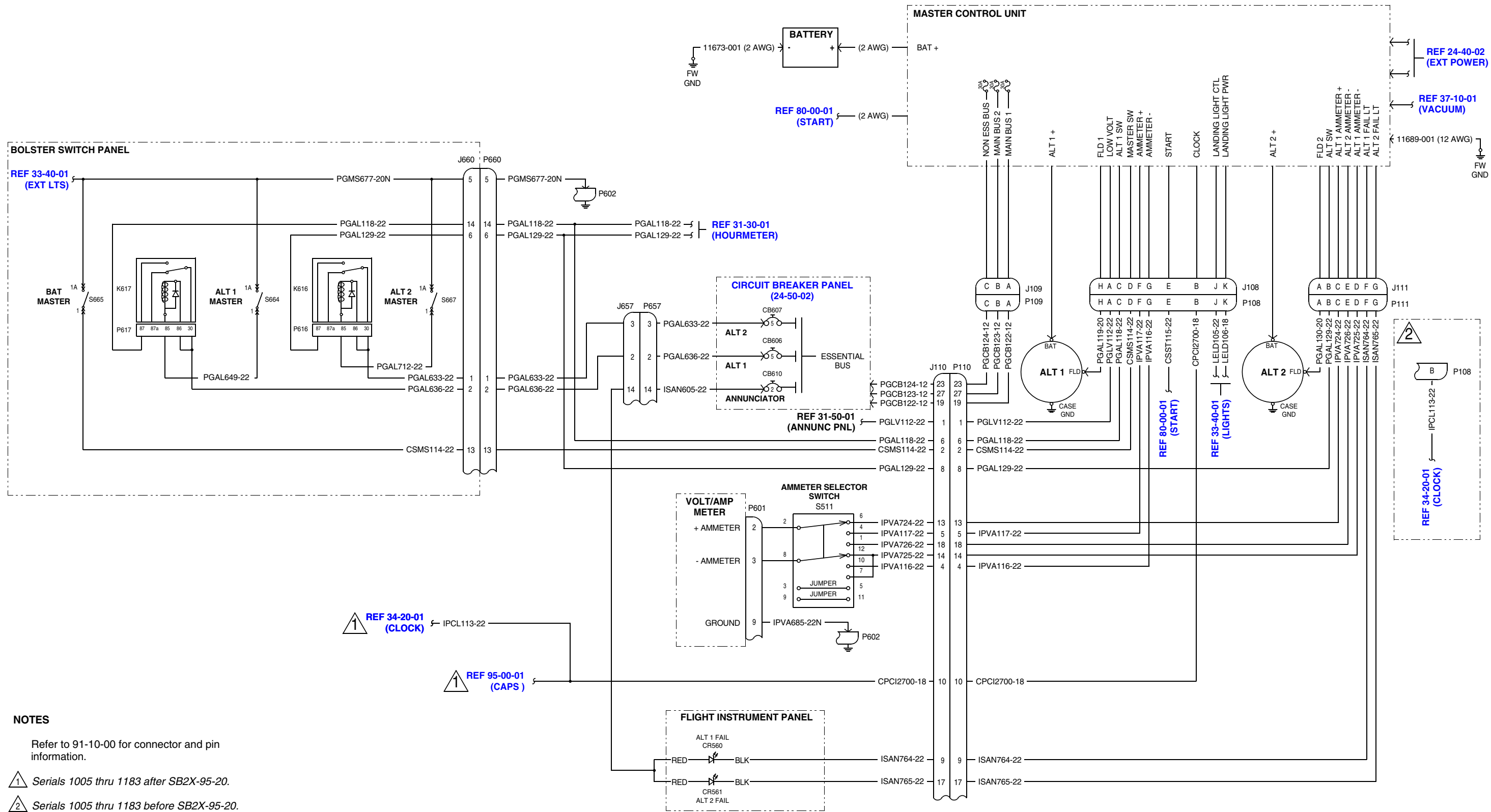
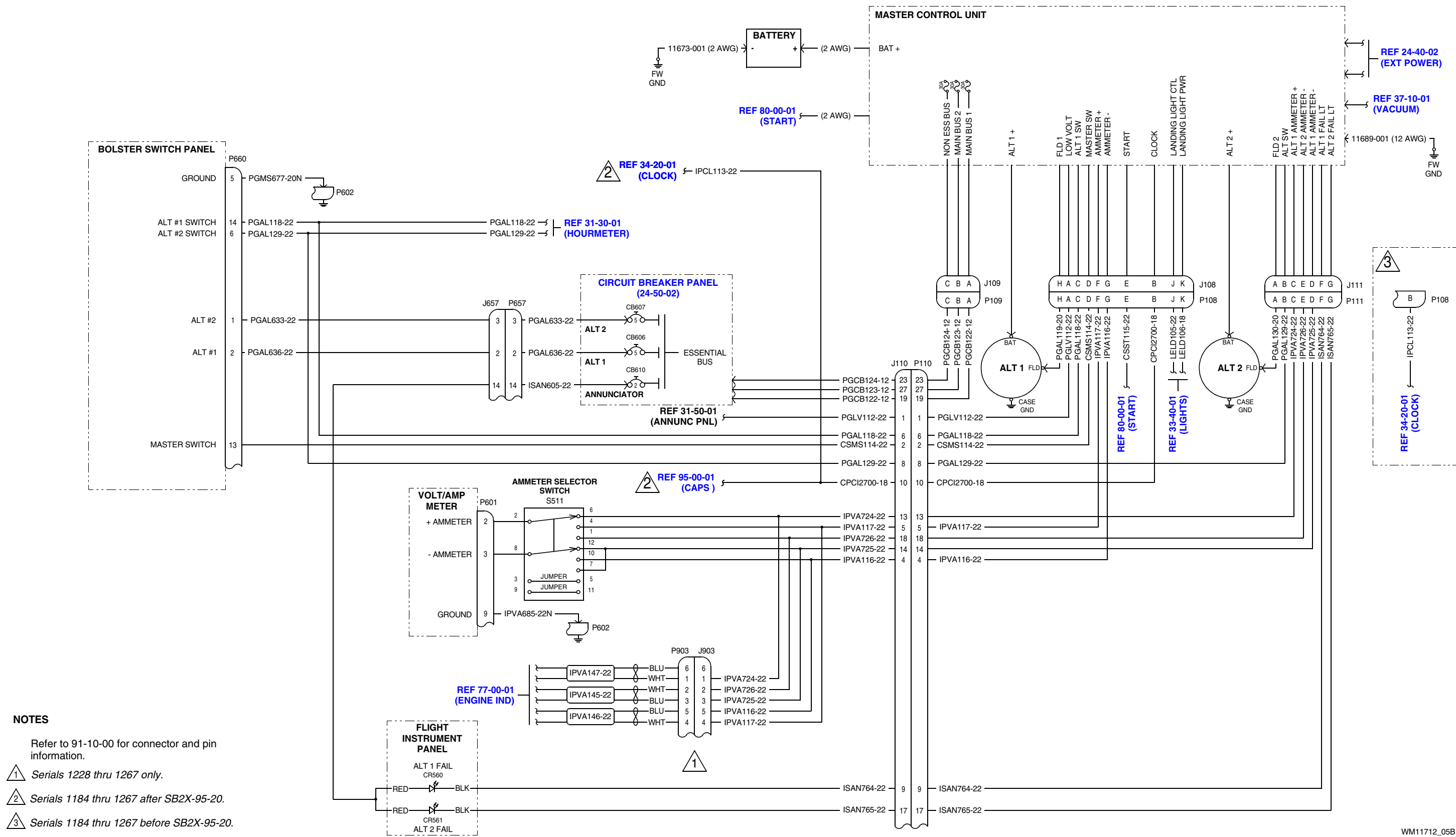


Figure-01
DC Generation - Serials 1005 thru 1183 w/ 2 Alt.

EFFECTIVITY:
Serials 1005 thru 1183 w/ 2 Alt.



- NOTES
- Refer to 91-10-00 for connector and pin information.
- 1 Serials 1228 thru 1267 only.
- 2 Serials 1184 thru 1267 after SB2X-95-20.
- 3 Serials 1184 thru 1267 before SB2X-95-20.

Figure-01
DC Generation - Serials 1184 thru 1267 w/ 2 Alt.

EFFECTIVITY:
Serials 1184 thru 1267 w/ 2 Alt.

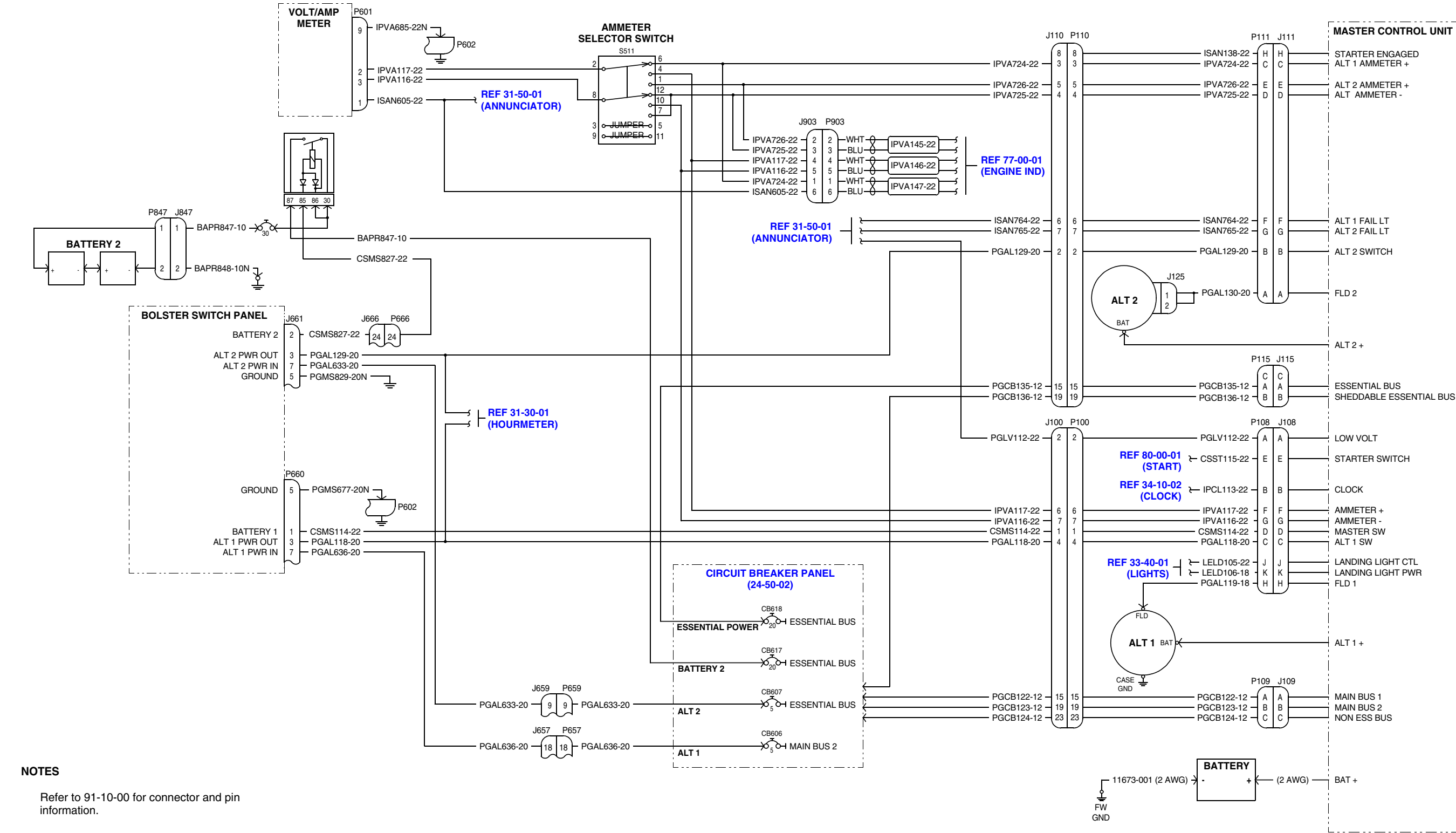


Figure-01

DC Generation - Serials 1268 thru 1422 before SB2X-95-17, 1423 thru 1581 before SB2X-95-18 (1 of 2)

EFFECTIVITY:
Serials 1268 thru 1422 before SB2X-95-17, 1423 thru 1581 before SB2X-95-18

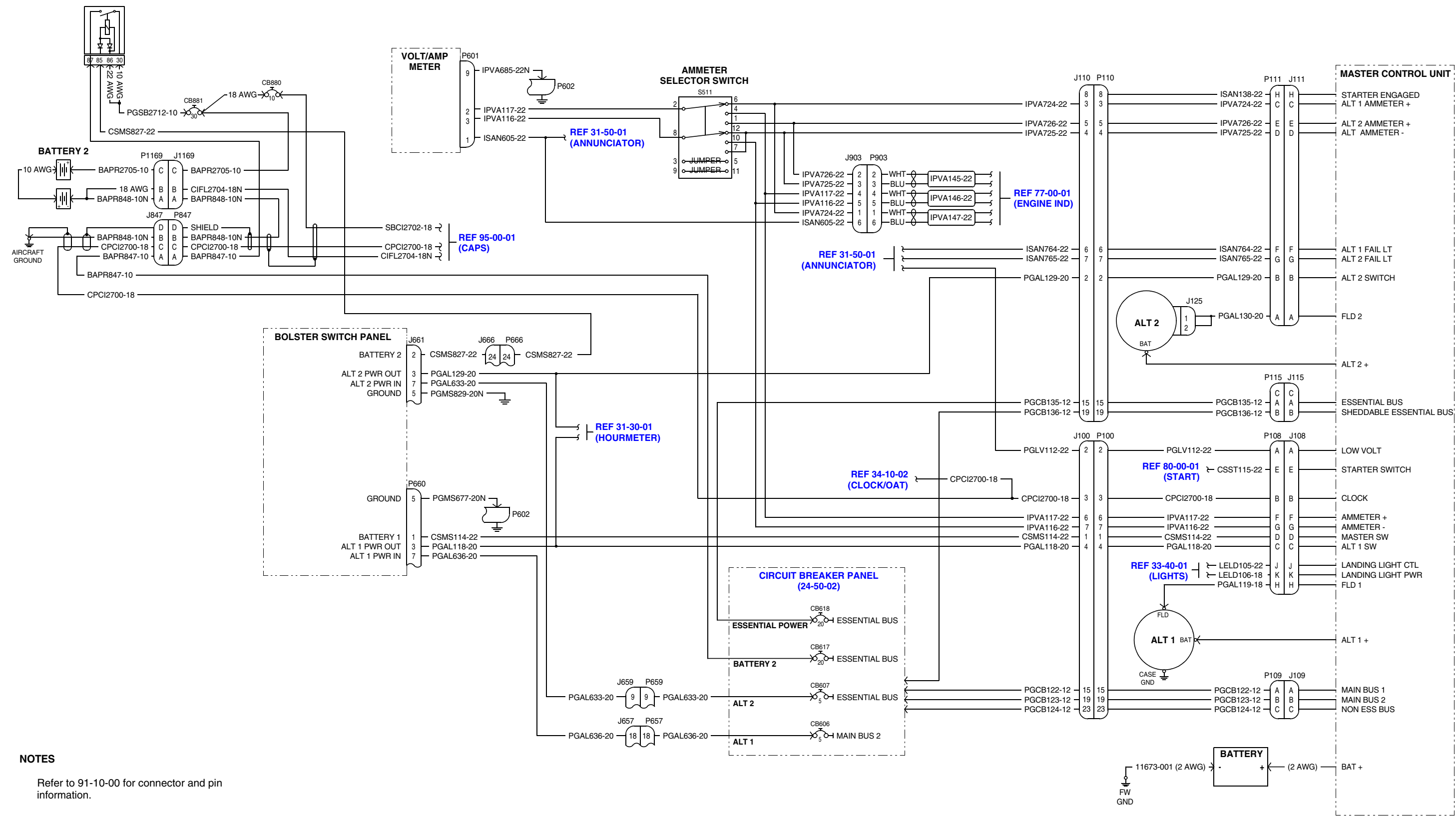
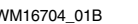


Figure-01

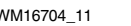
DC Generation - Serials 1268 thru 1422 after SB2X-95-17, 1423 thru 1581 after SB2X-95-18 (2 of 2)

EFFECTIVITY:
Serials 1268 thru 1422 after SB2X-95-17, 1423 thru 1581 after SB2X-95-18



DC Generation - Serials 1582 & subs w/o Perspective before SB2X-95-18 (1 of 2)

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DC Generation - Serials 1582 & subs w/o Perspective after SB2X-95-18 (2 of 2)

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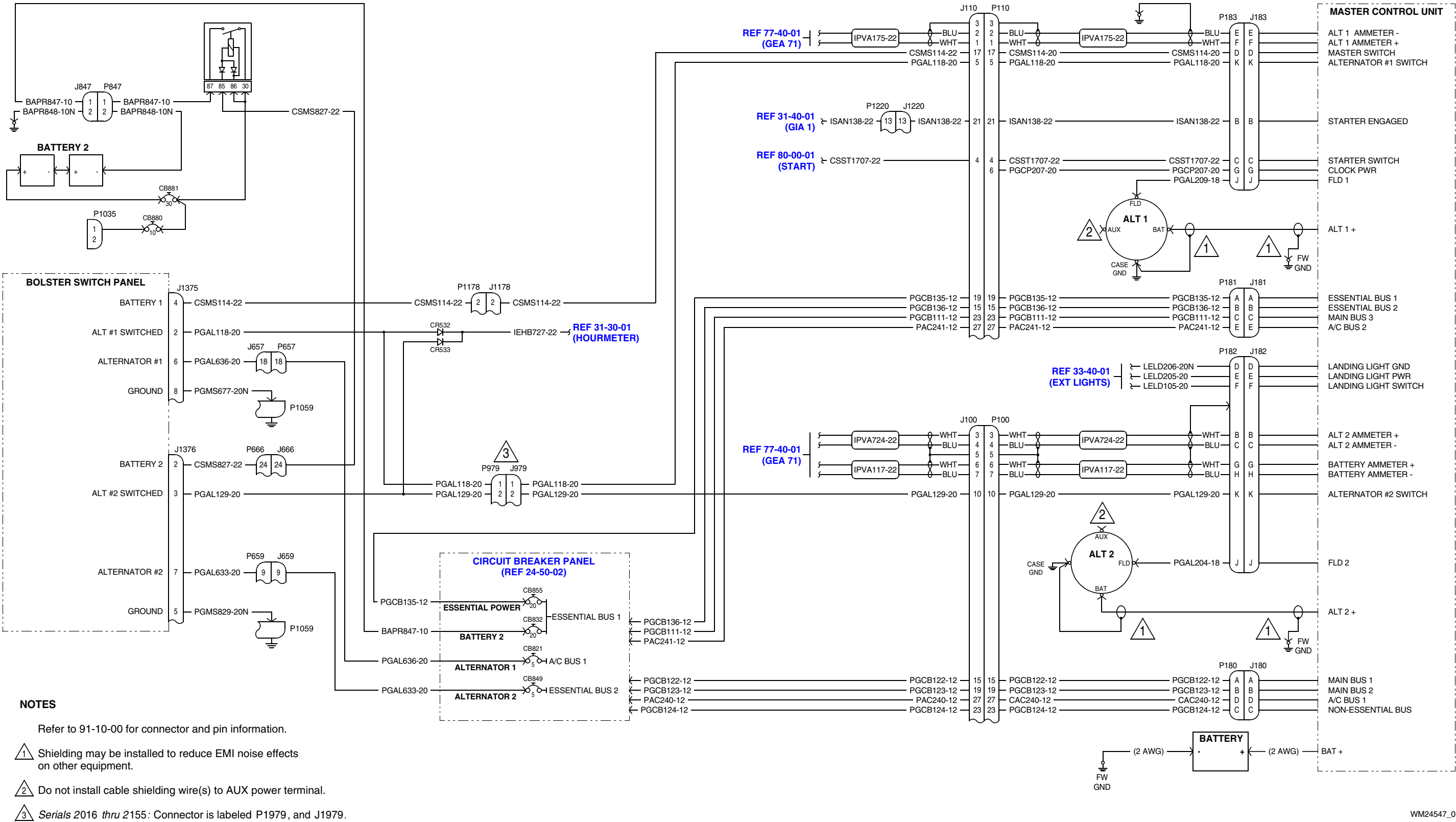


Figure-01

DC Generation - Serials 2016 thru 2221 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2221 w/ Perspective Avionics

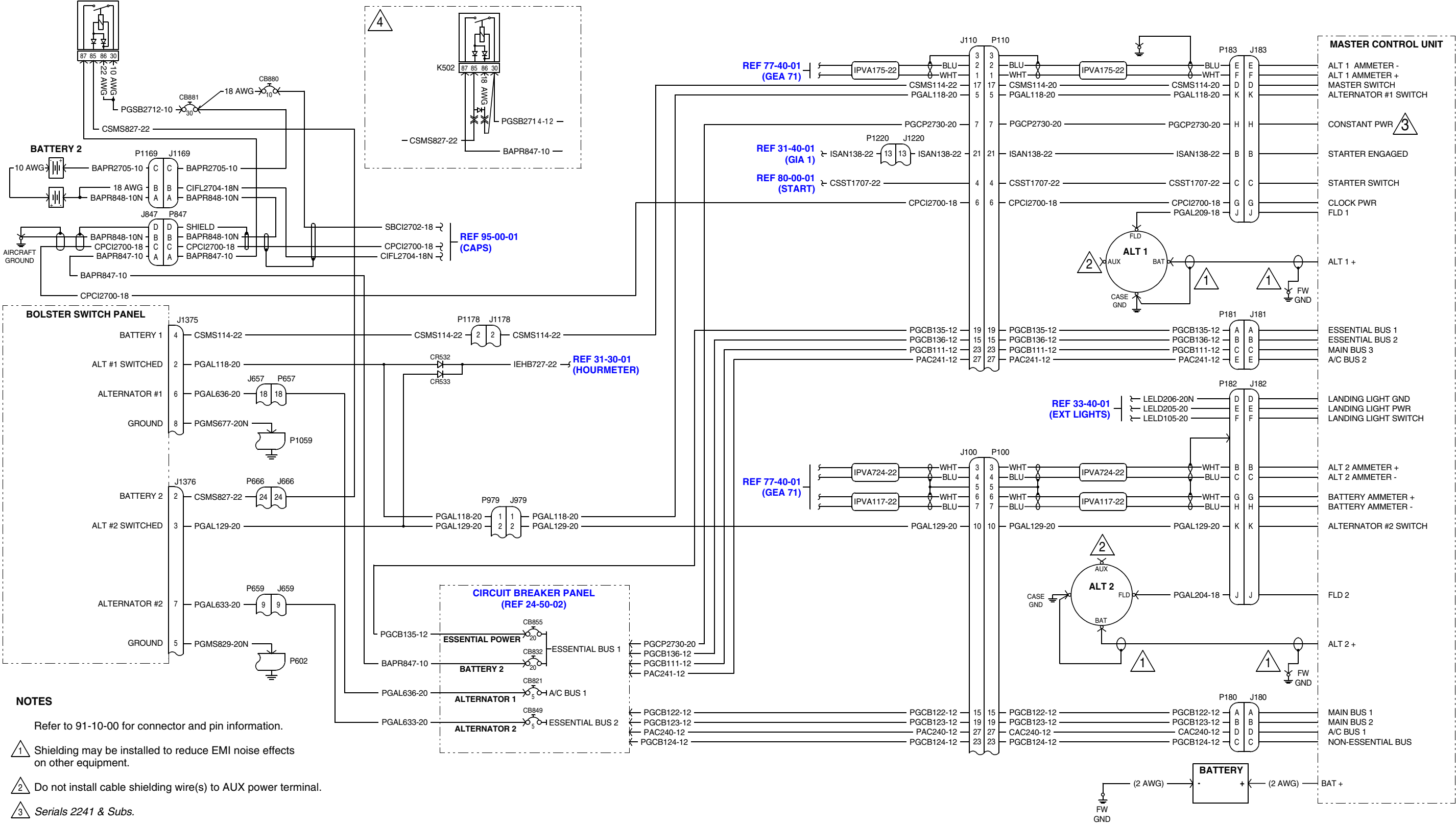
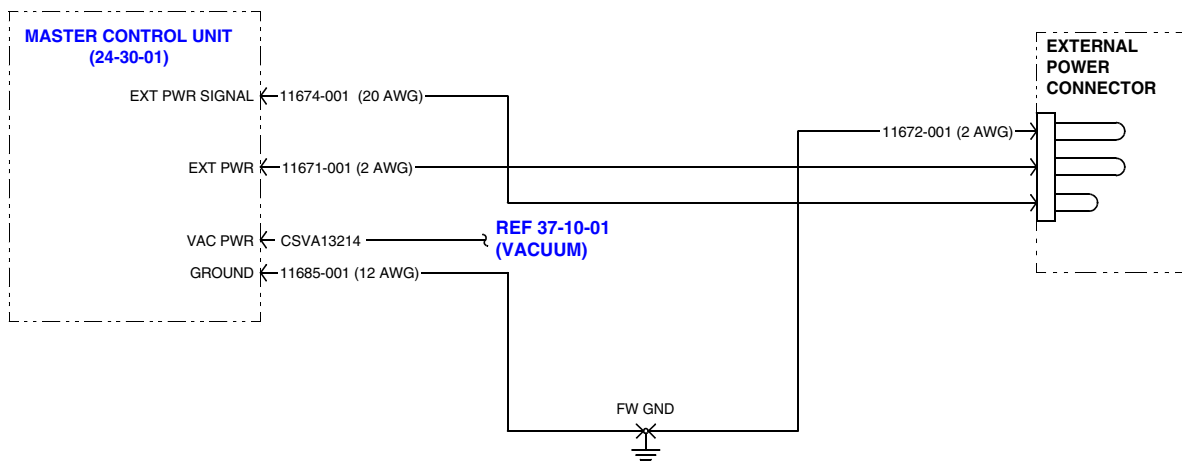


Figure-01

DC Generation - Serials 2222 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2222 & subs w/ Perspective Avionics

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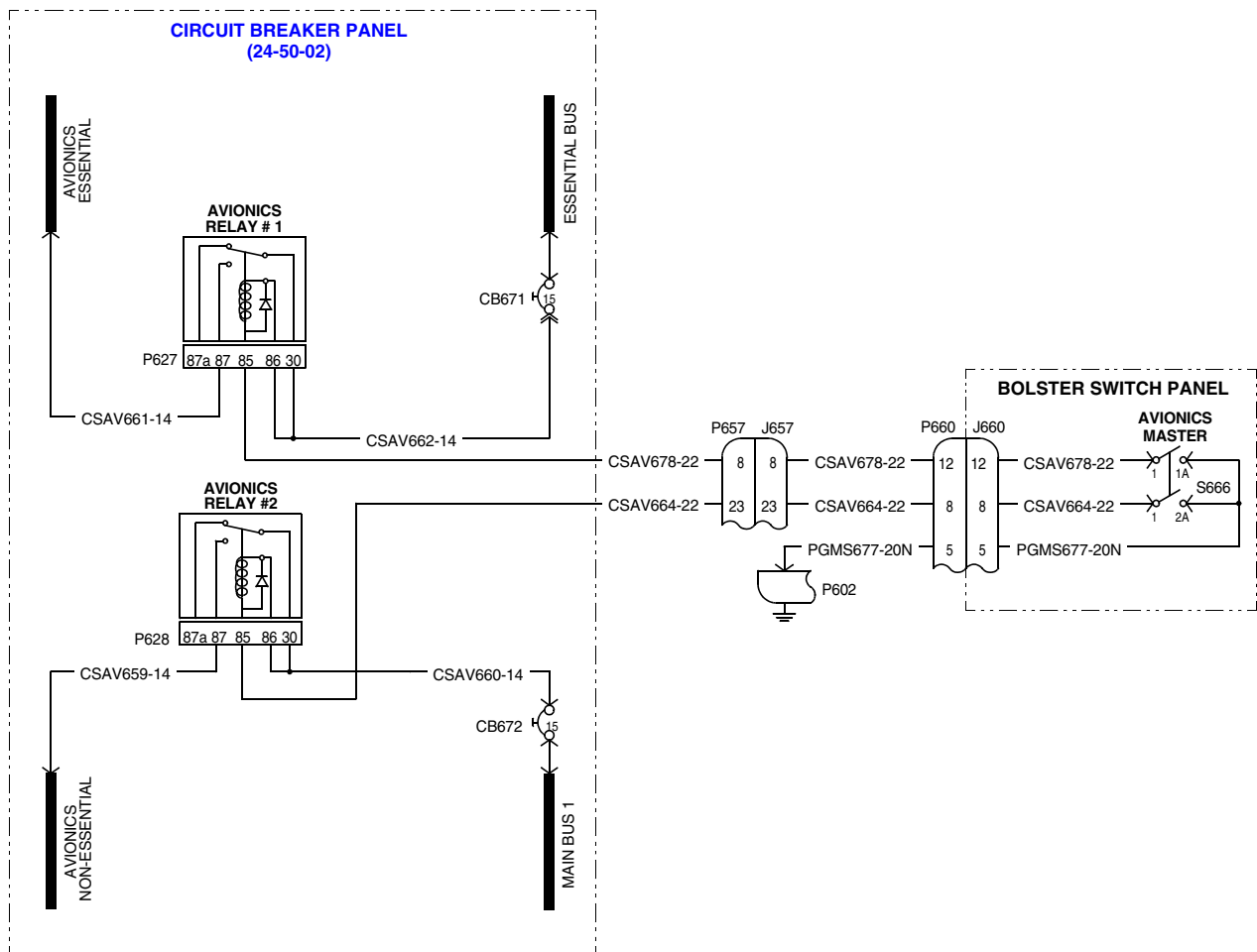
Refer to 91-10-00 for connector and pin information.

WM11719_03

Figure-02
External Power Receptacle - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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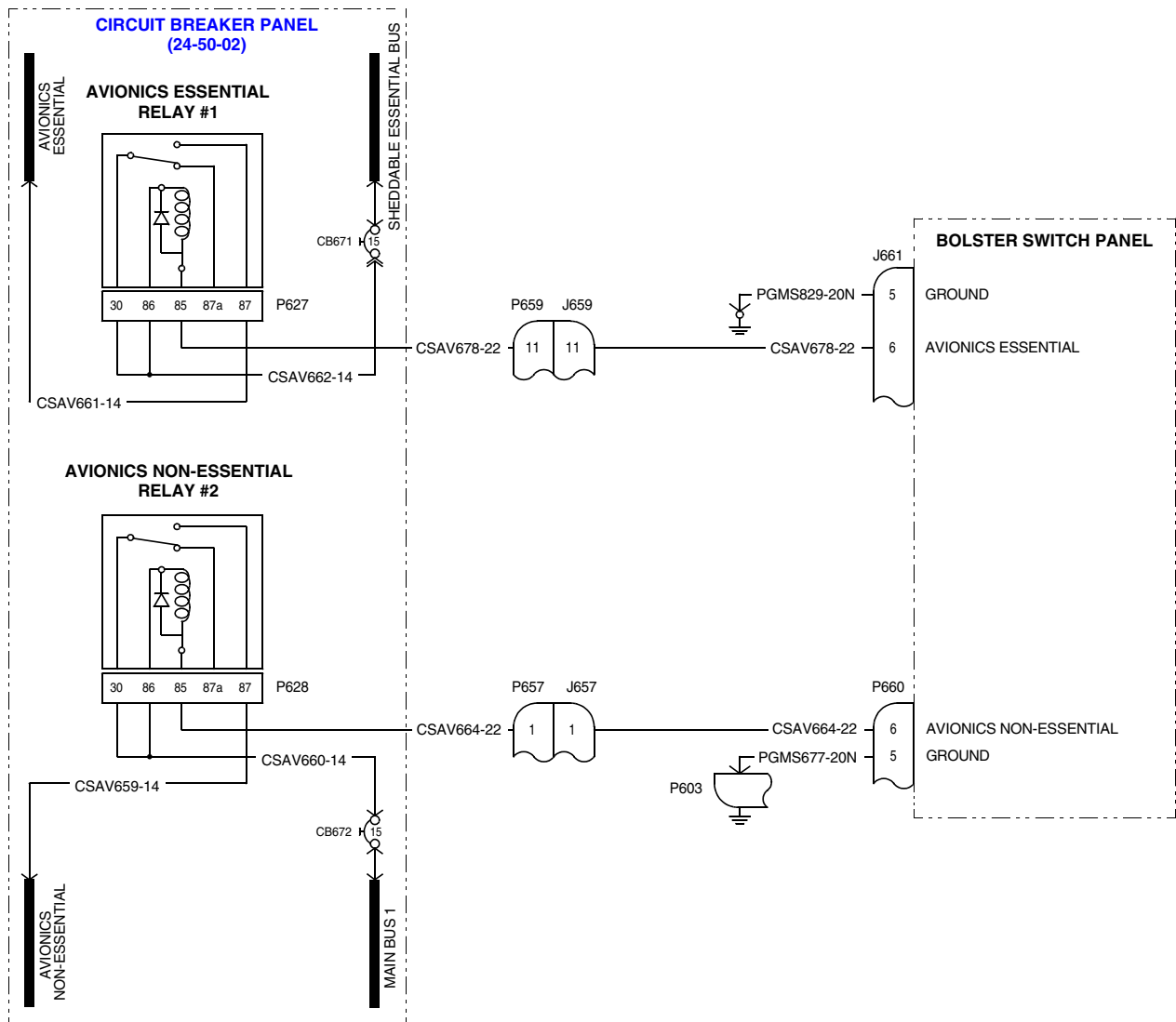
NOTES

Refer to 91-10-00 for connector and pin information.

WM11701_01

Figure-01
Avionics Power - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267



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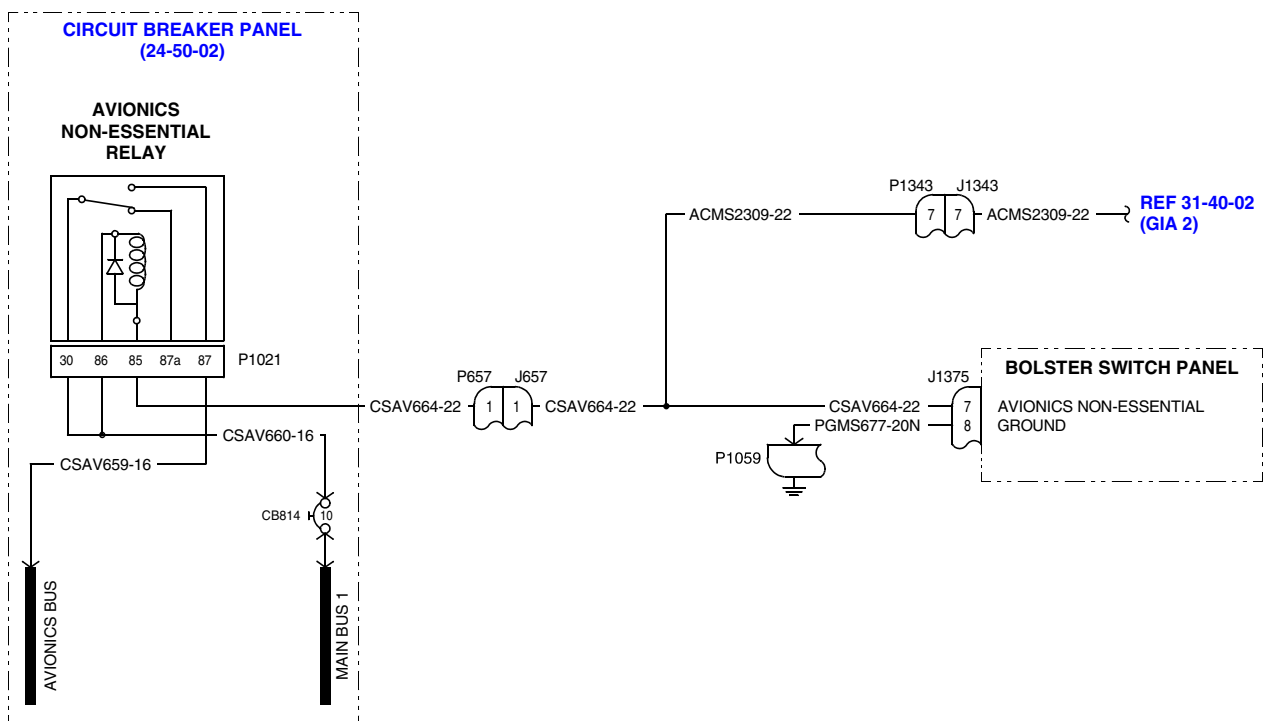
Refer to 91-10-00 for connector and pin information.

WM11701_02

Figure-01
Avionics Power - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM24562_30

Figure-01
Avionics Power - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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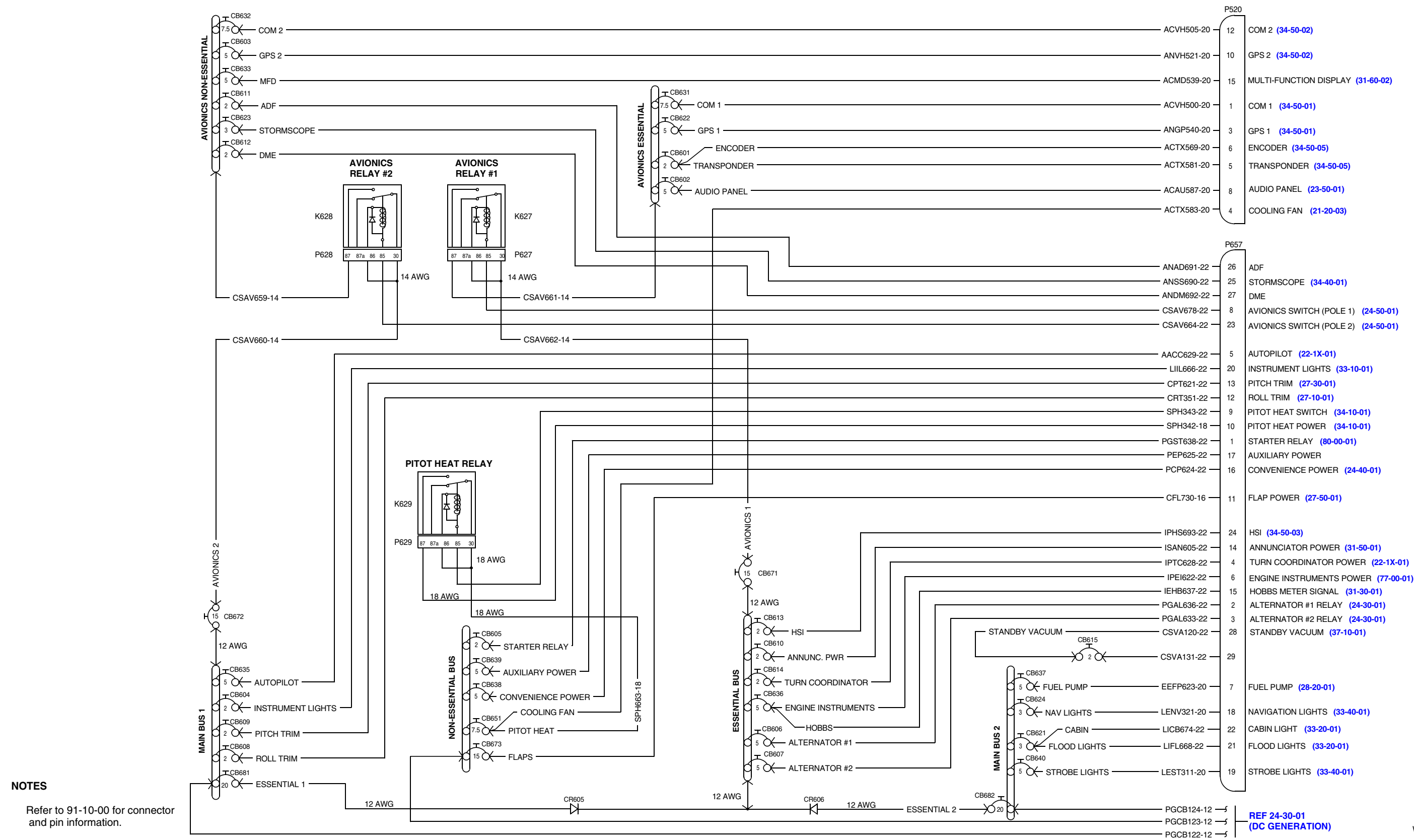


Figure-02

Circuit Breaker Panel - Serials 1005 thru 1147

EFFECTIVITY:
Serials 1005 thru 1147

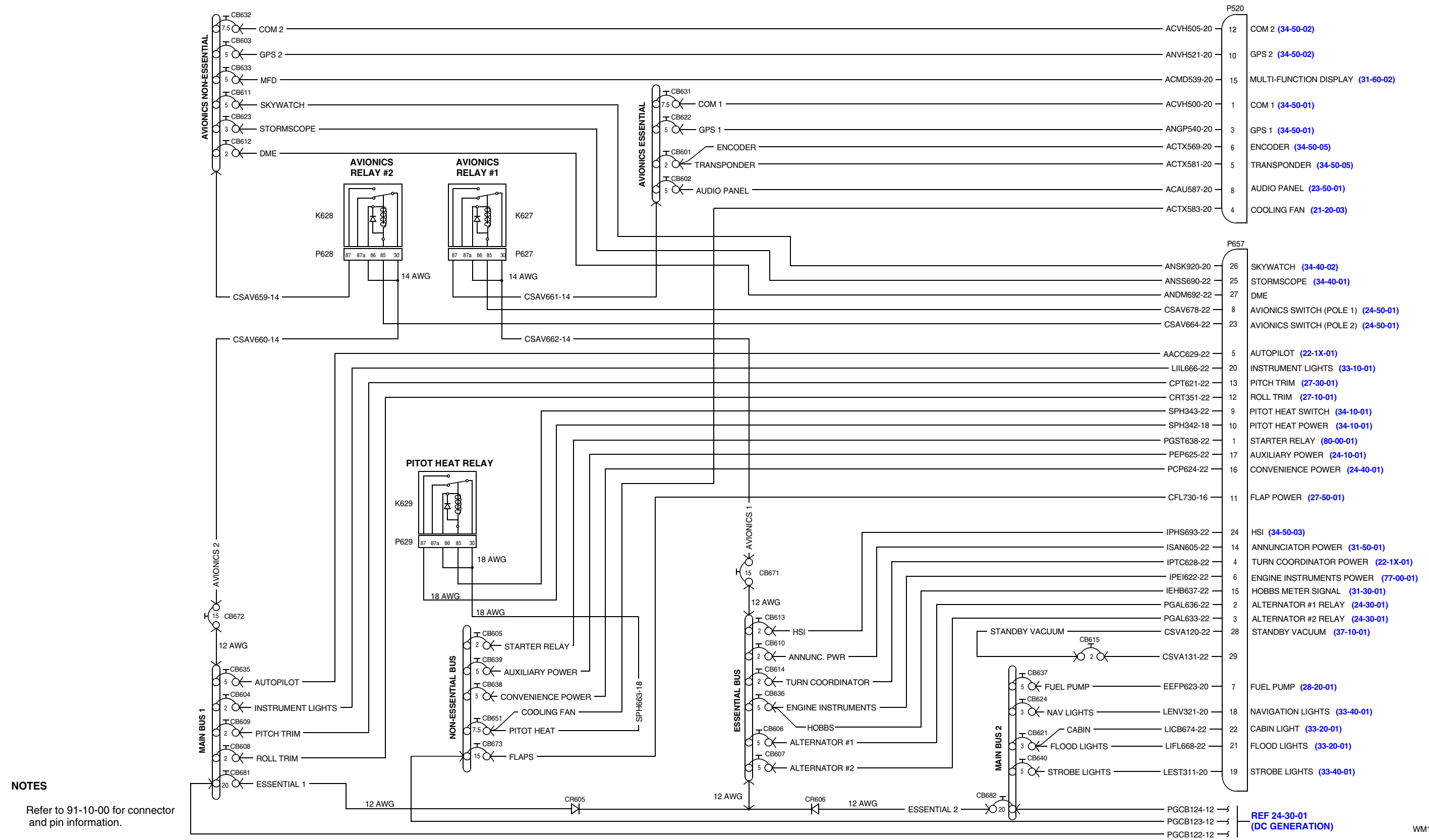
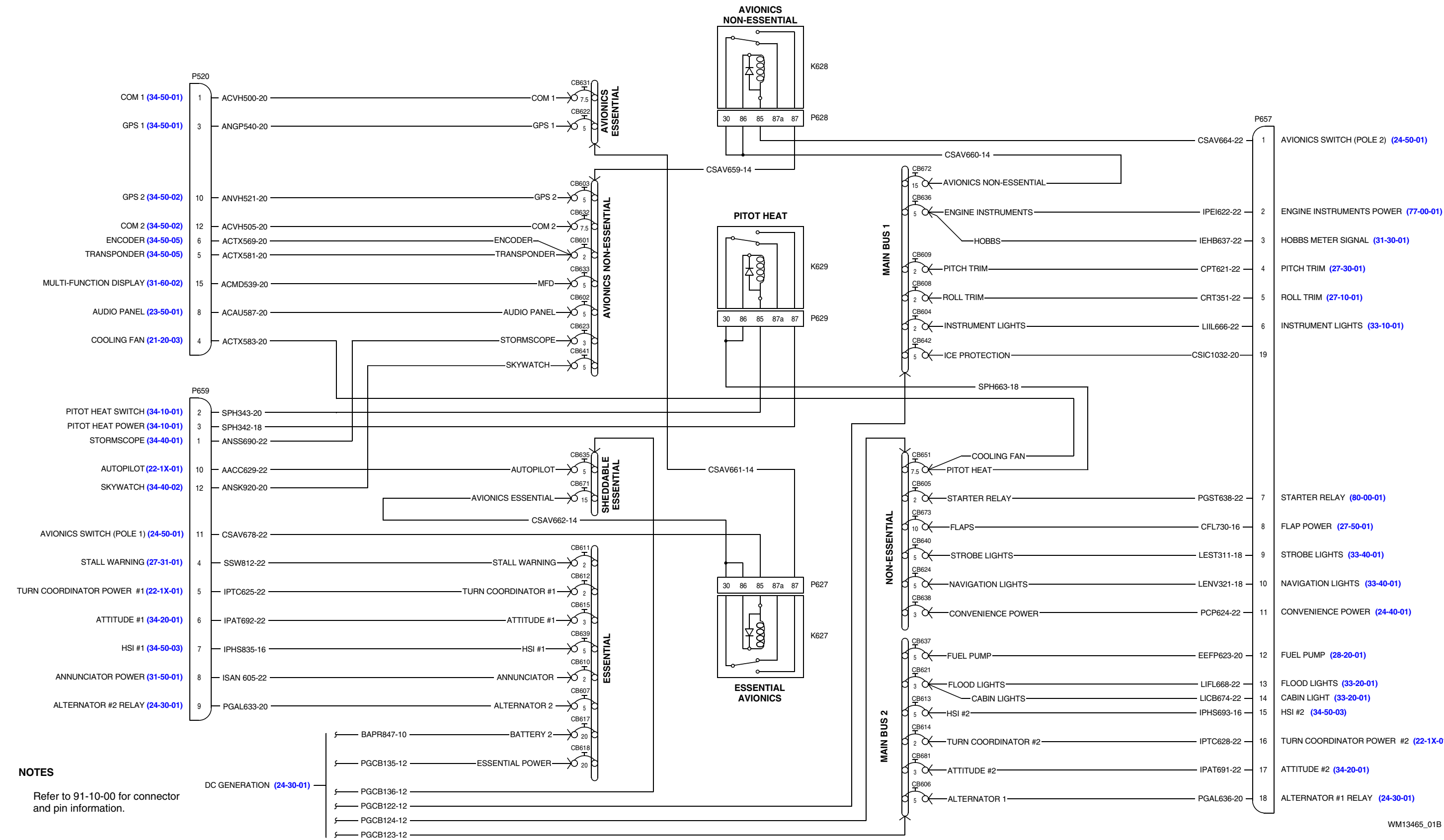


Figure-02
Circuit Breaker Panel - Serials 1148 thru 1267

EFFECTIVITY:
Serials 1148 thru 1267



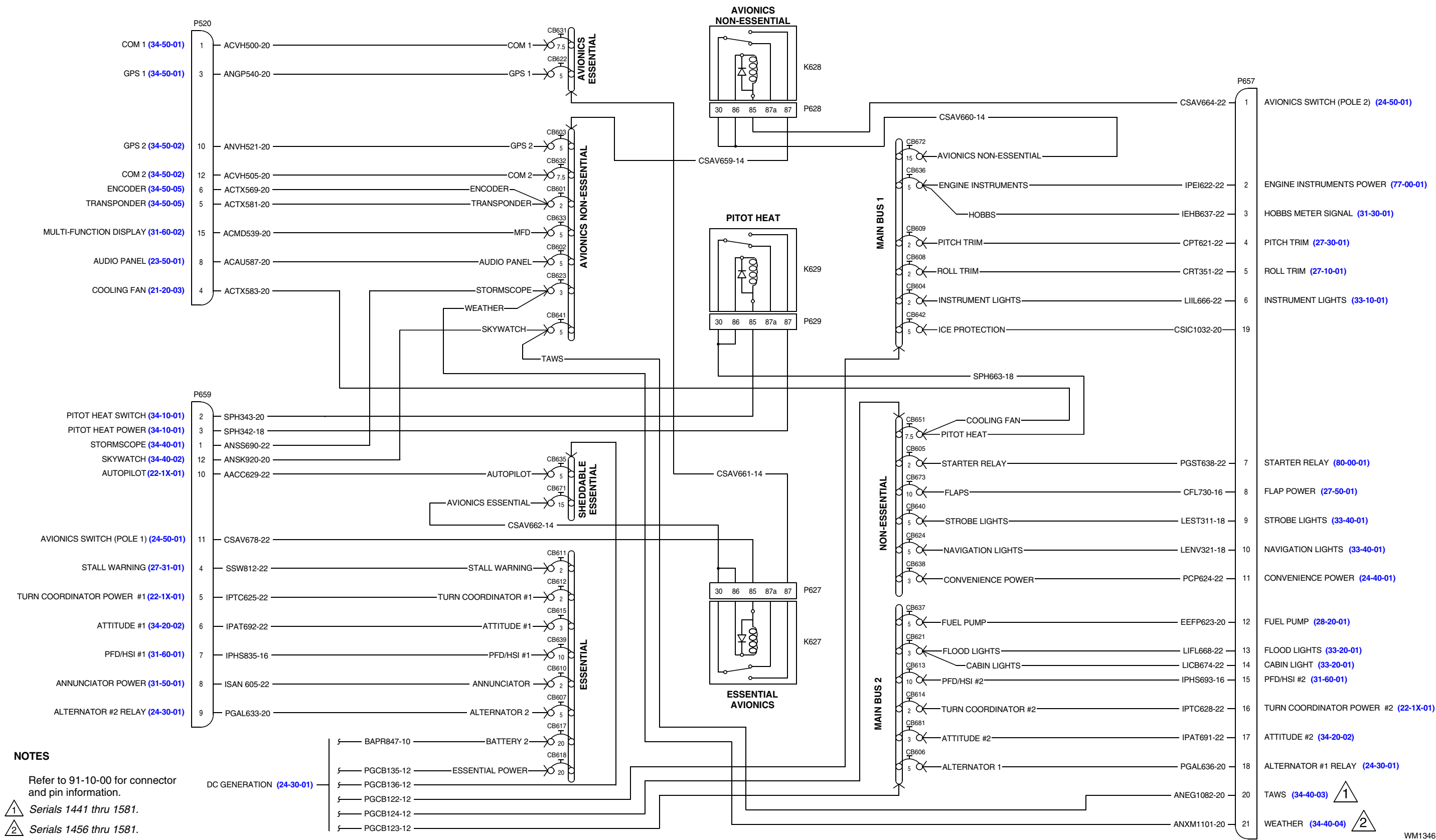
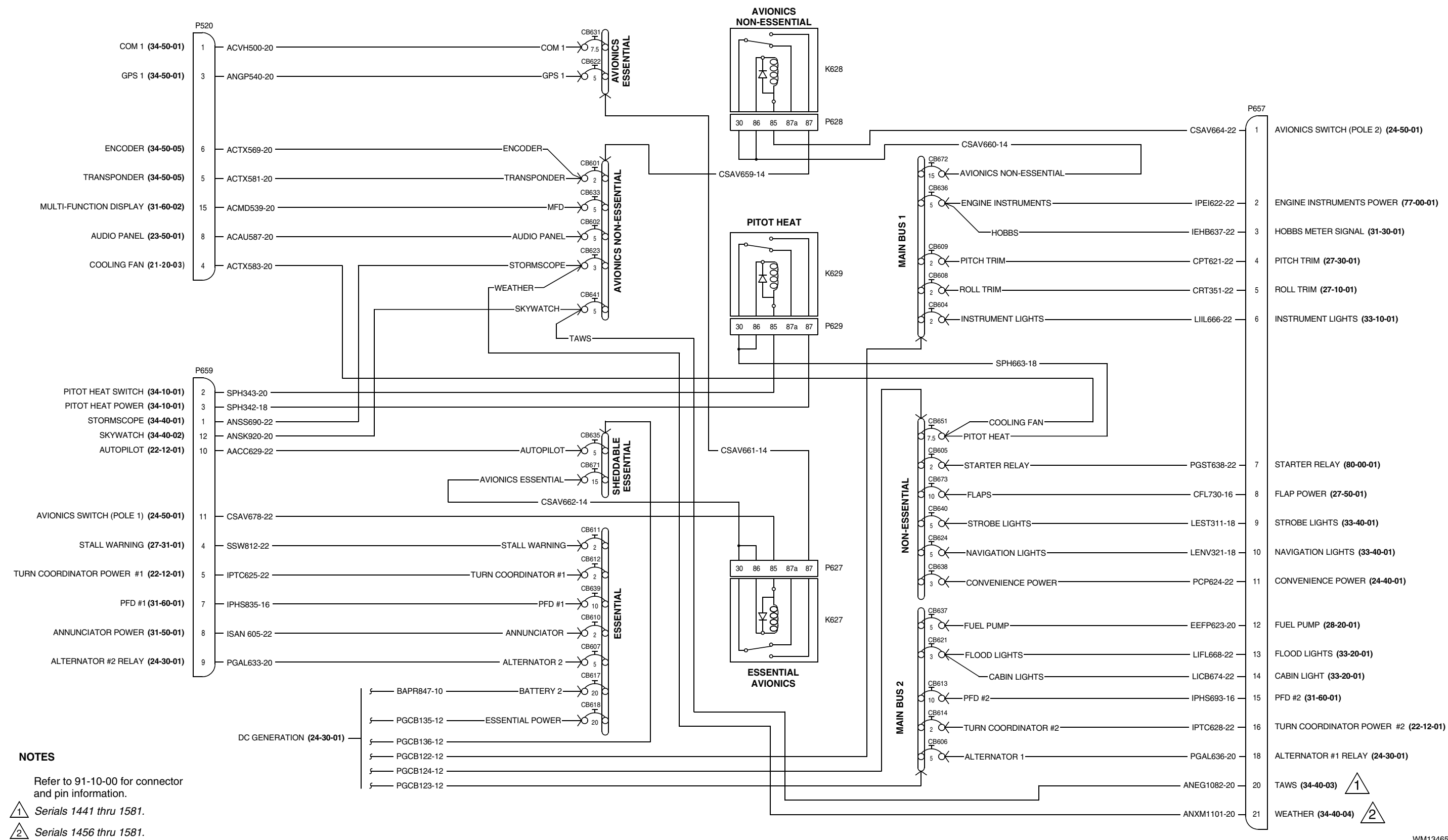


Figure-02
Circuit Breaker Panel - Serials 1337 thru 1581

EFFECTIVITY:
Serials 1337 thru 1581



WM13465_03B

Figure-02
Circuit Breaker Panel - Serials 1359 thru 1581, Config. "SRV"

EFFECTIVITY:
Serials 1359 thru 1581, Config. "SRV"

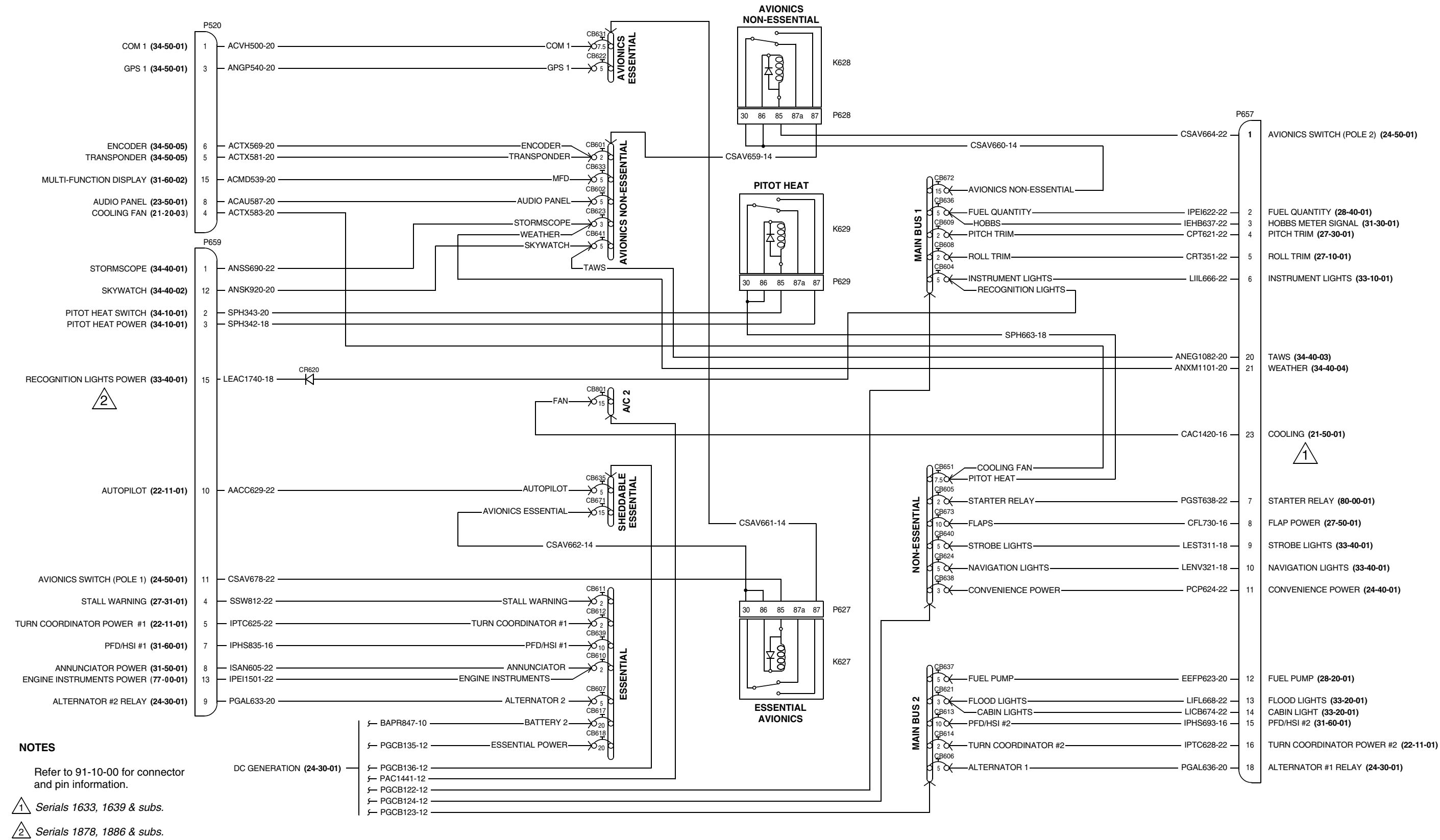


Figure-02

Circuit Breaker Panel - Serials 1582 & subs, Config. "SRV"

EFFECTIVITY:
Serials 1582 & subs, Config. "SRV"

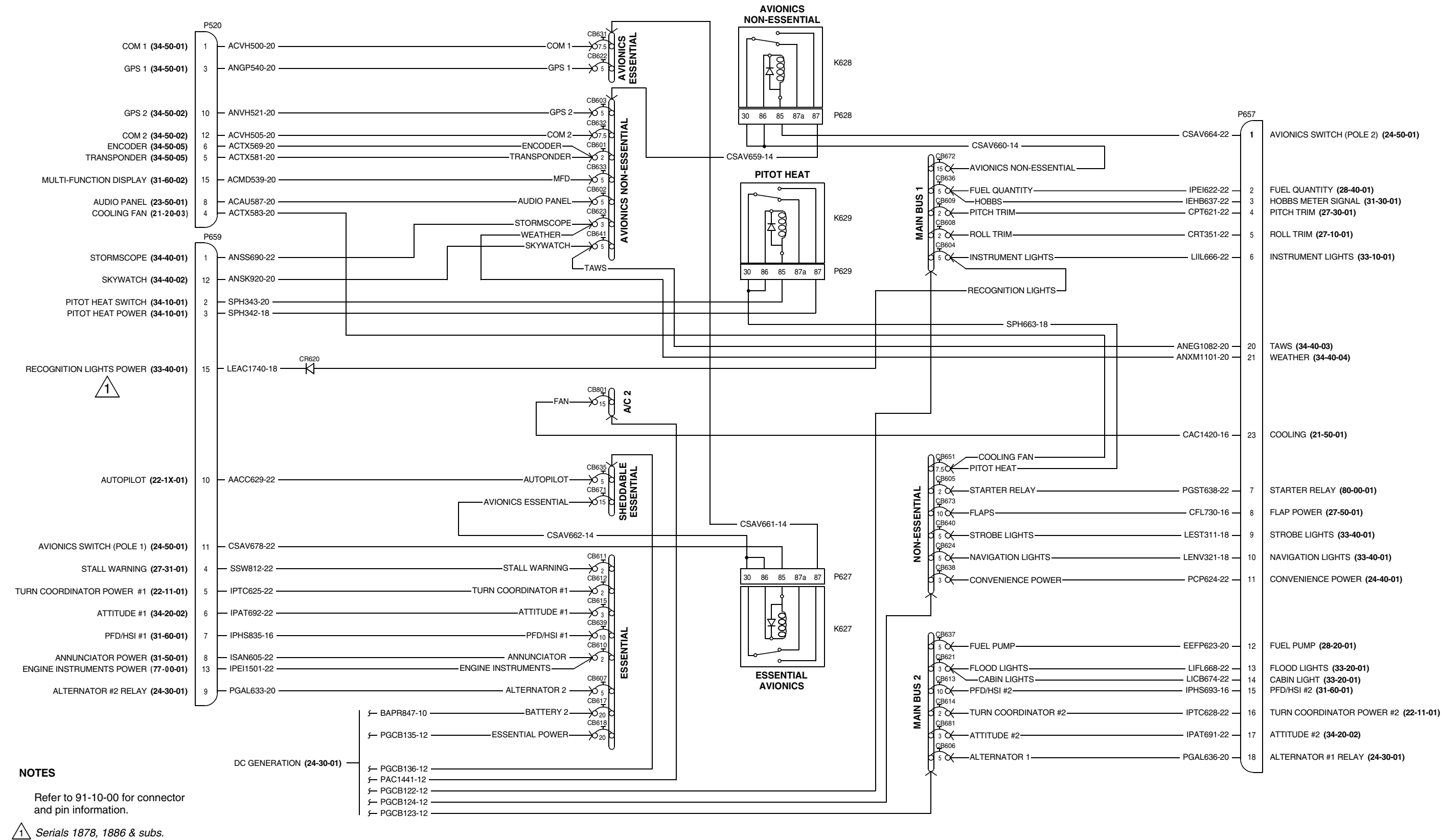


Figure-02

Circuit Breaker Panel - Serials 1582 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1582 & subs w/o Perspective Avionics

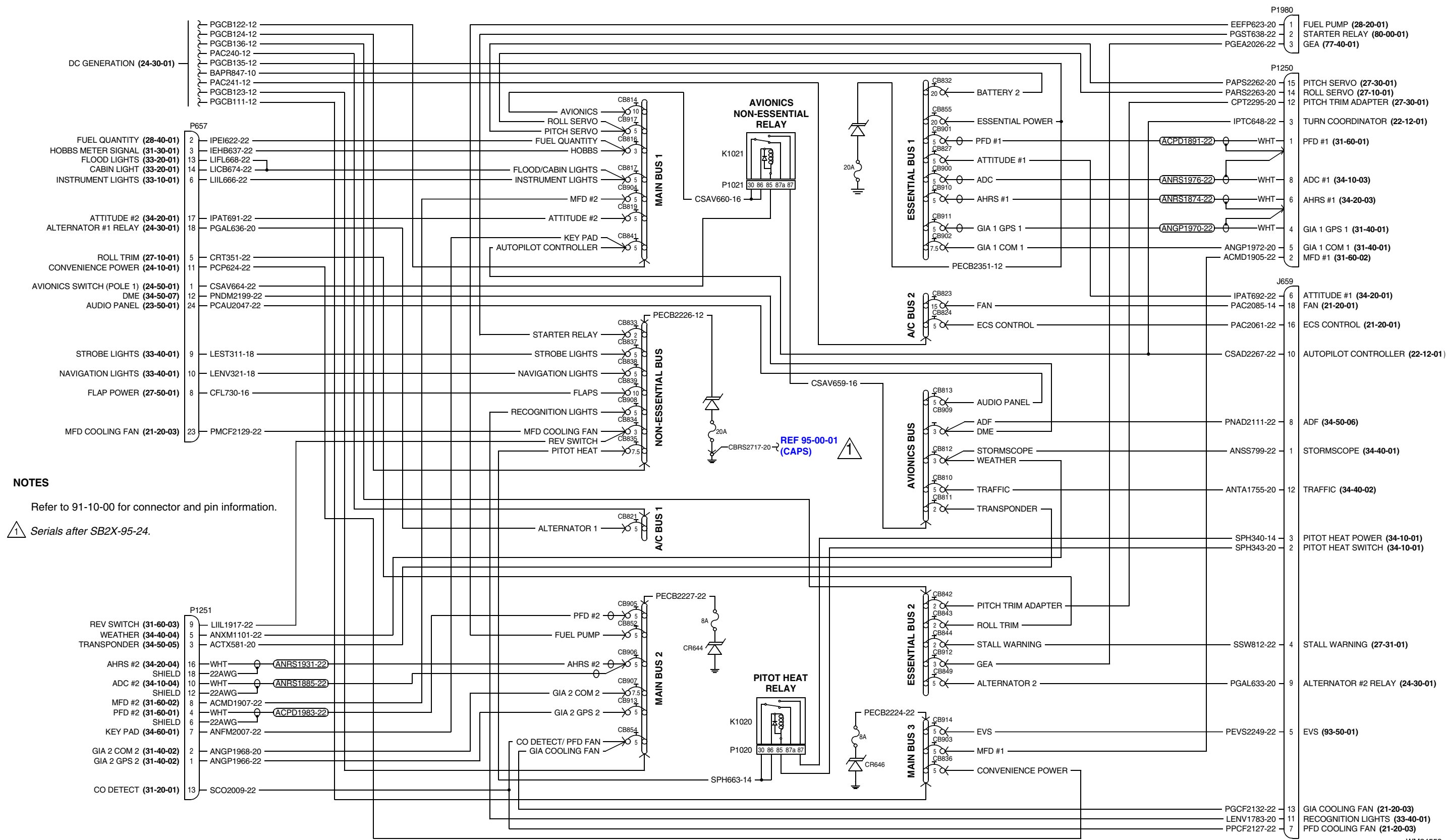
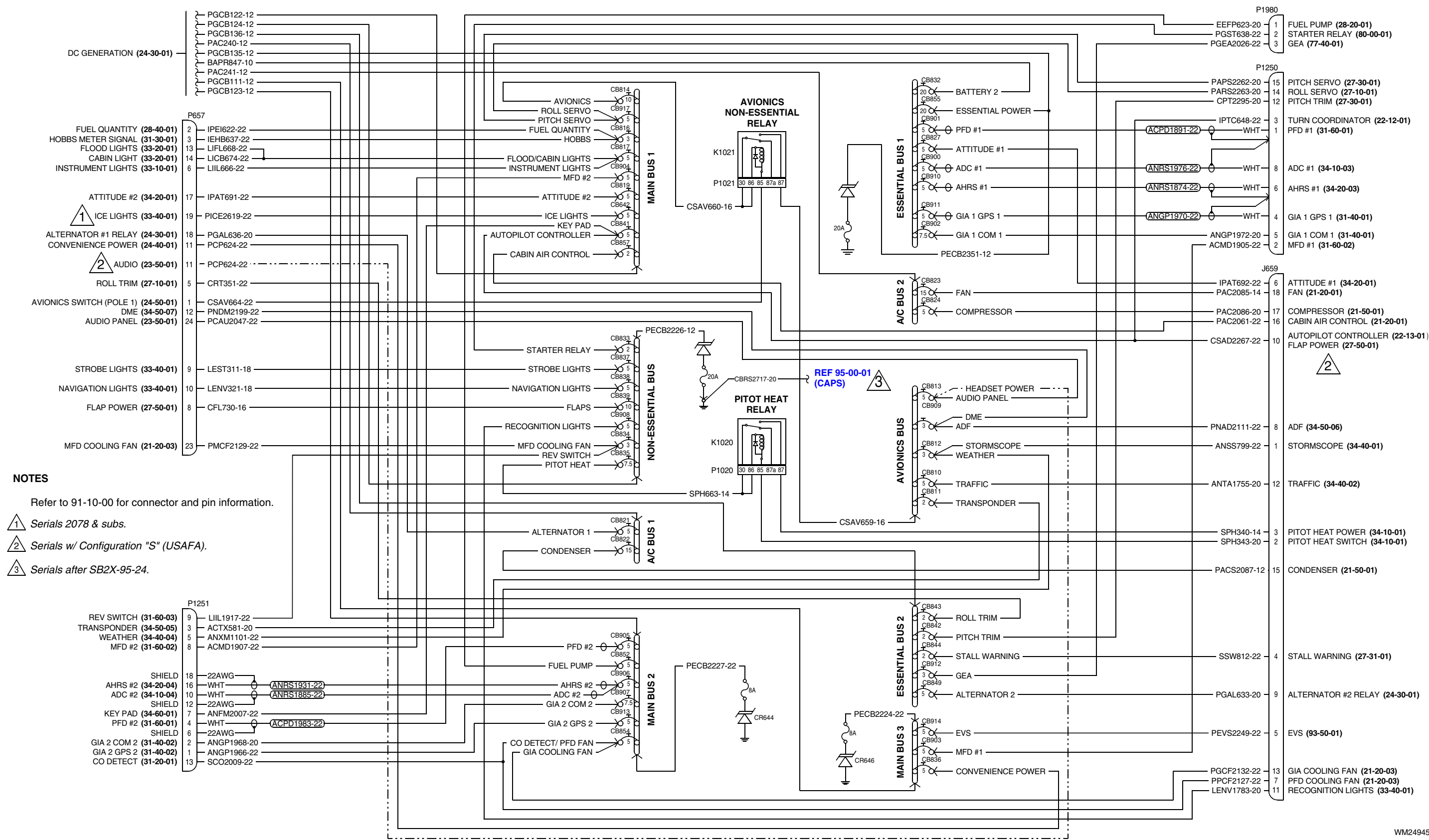
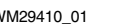


Figure-02

Circuit Breaker Panel - Serials 2016 thru 2064 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2064 w/ Perspective Avionics





Circuit Breaker Panel - Serials 2127 thru 2155 w/ Perspective Avionics

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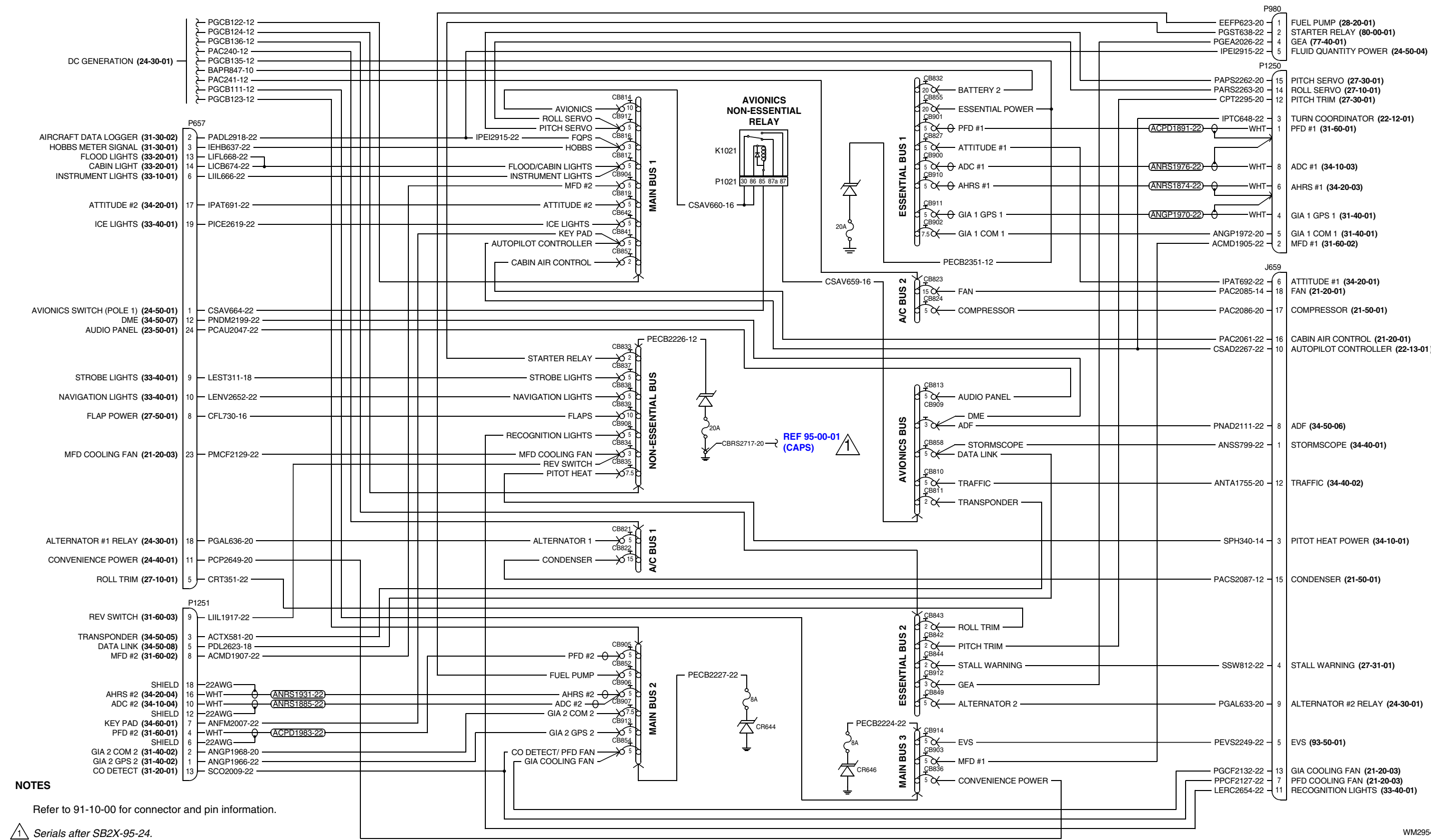


Figure-02

Circuit Breaker Panel - Serials 2156 thru 2240 w/ Perspective Avionics

EFFECTIVITY:
Serials 2156 thru 2240 w/ Perspective Avionics

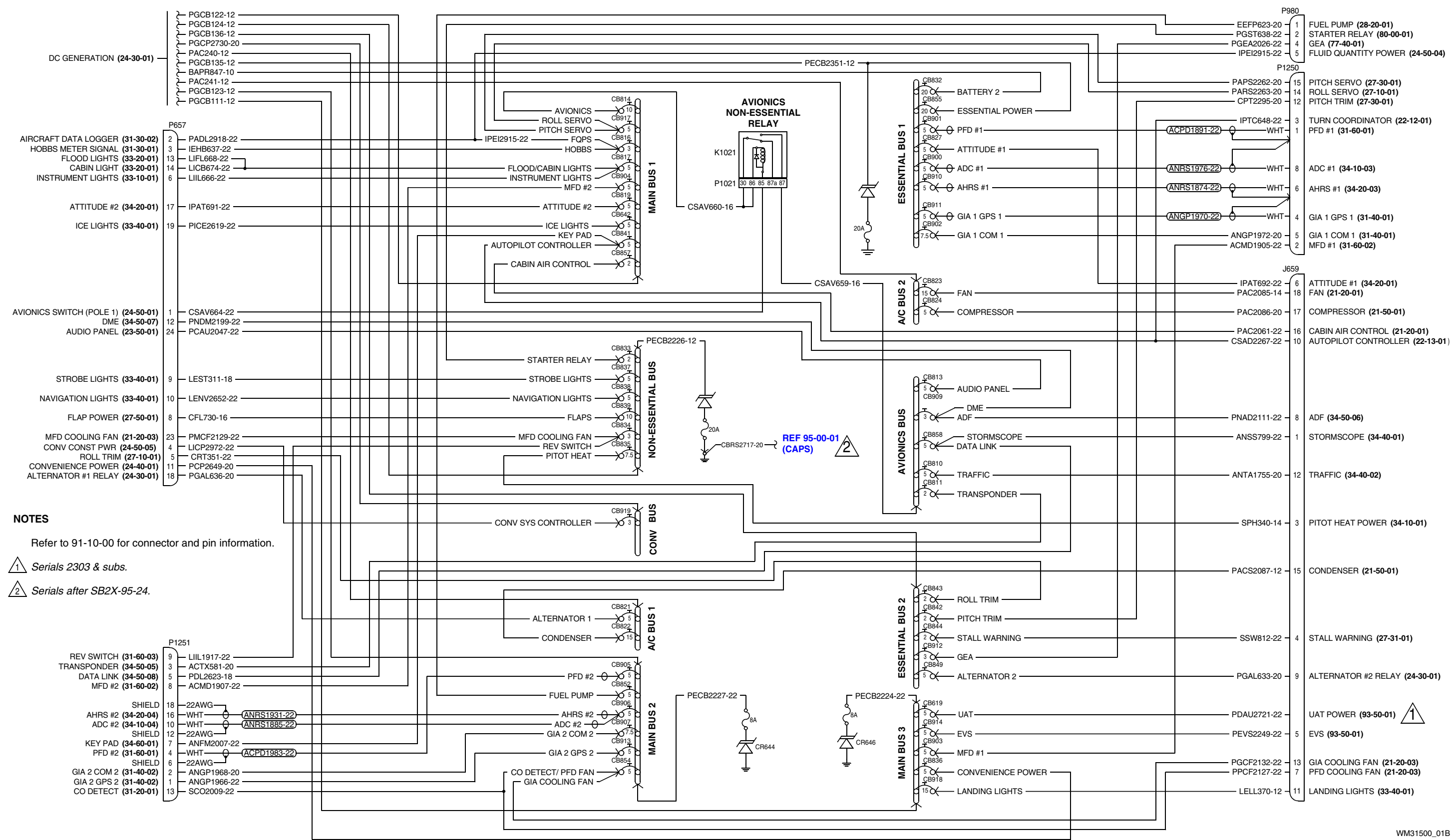
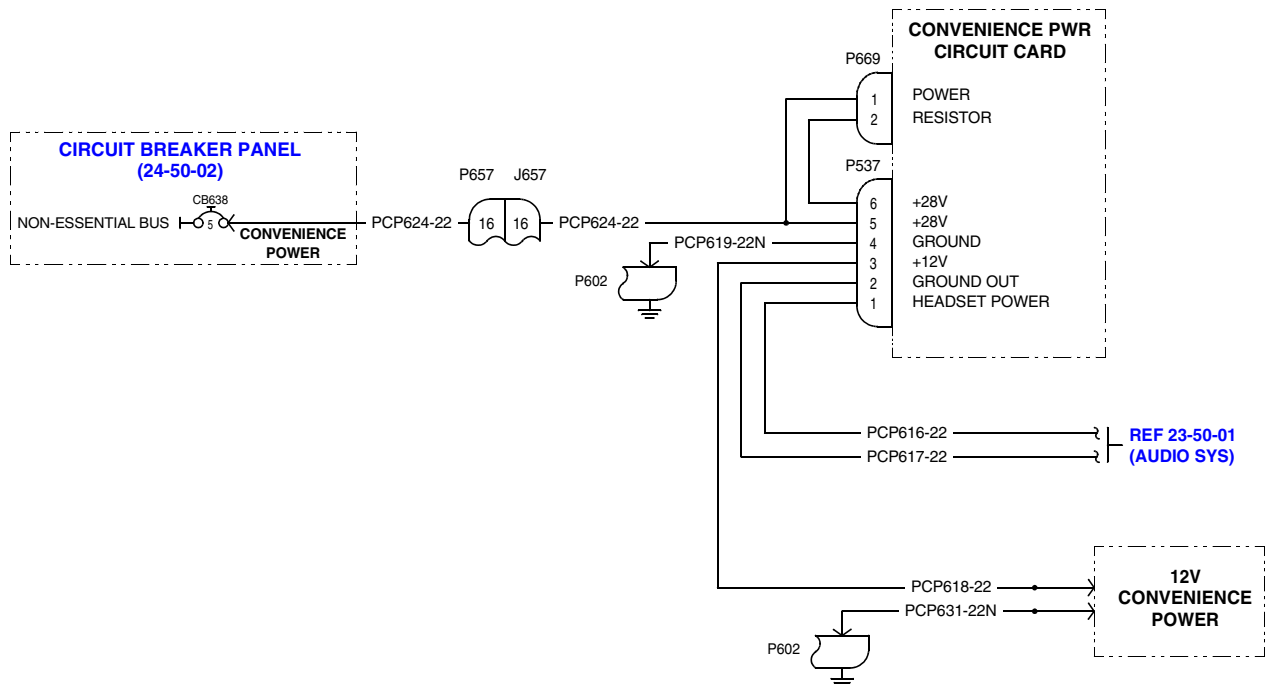


Figure-02
Circuit Breaker Panel - Serials 2241 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2241 & subs w/ Perspective Avionics



NOTES

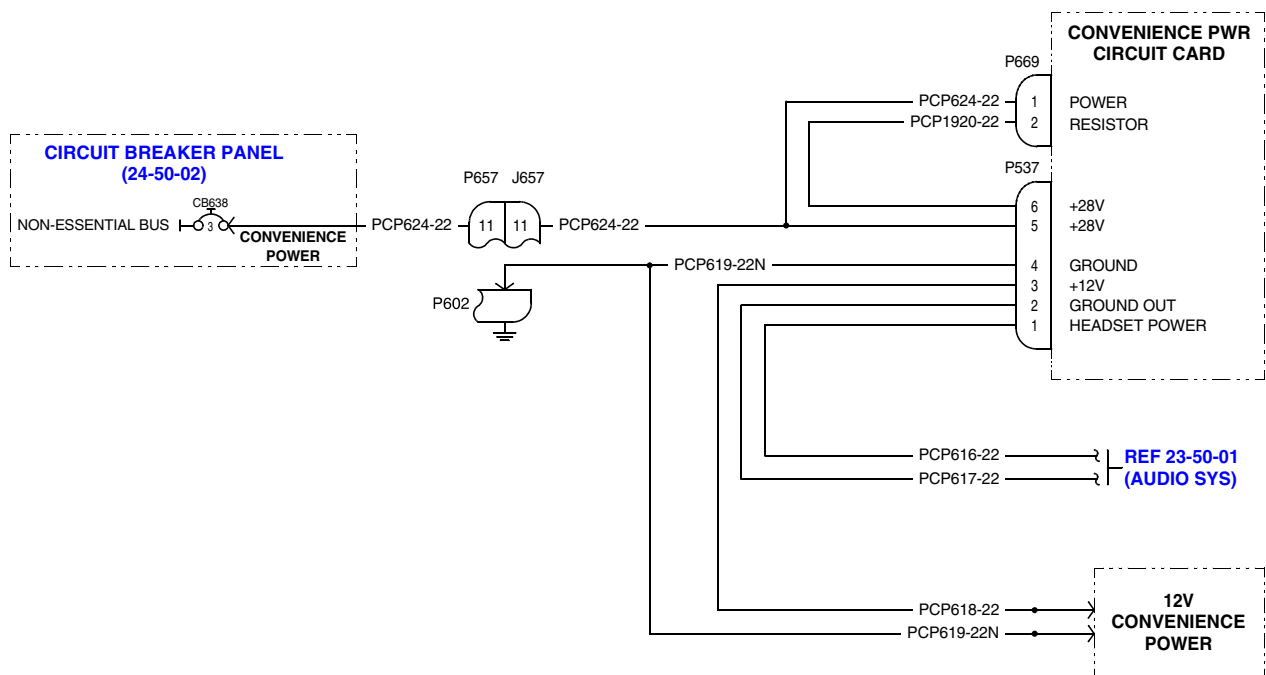
Refer to 91-10-00 for connector and pin information.

WM11712_01

Figure-03
Convenience Power - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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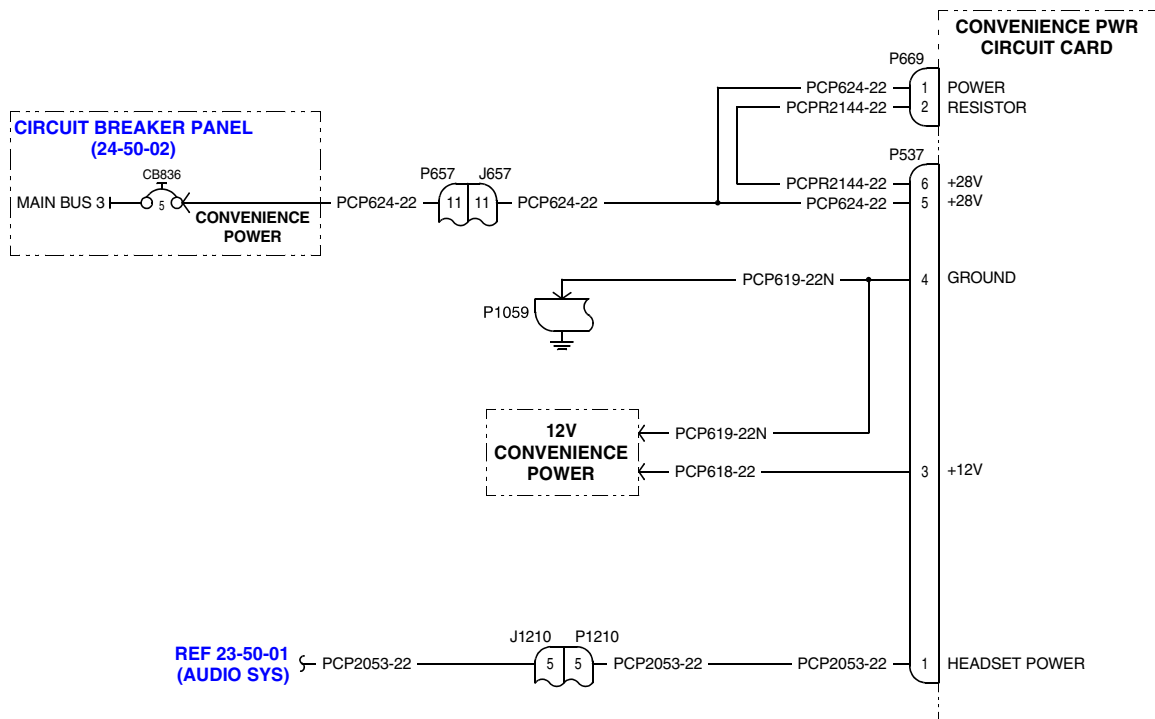
Refer to 91-10-00 for connector and pin information.

WM15394_05A

Figure-03
Convenience Power - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics

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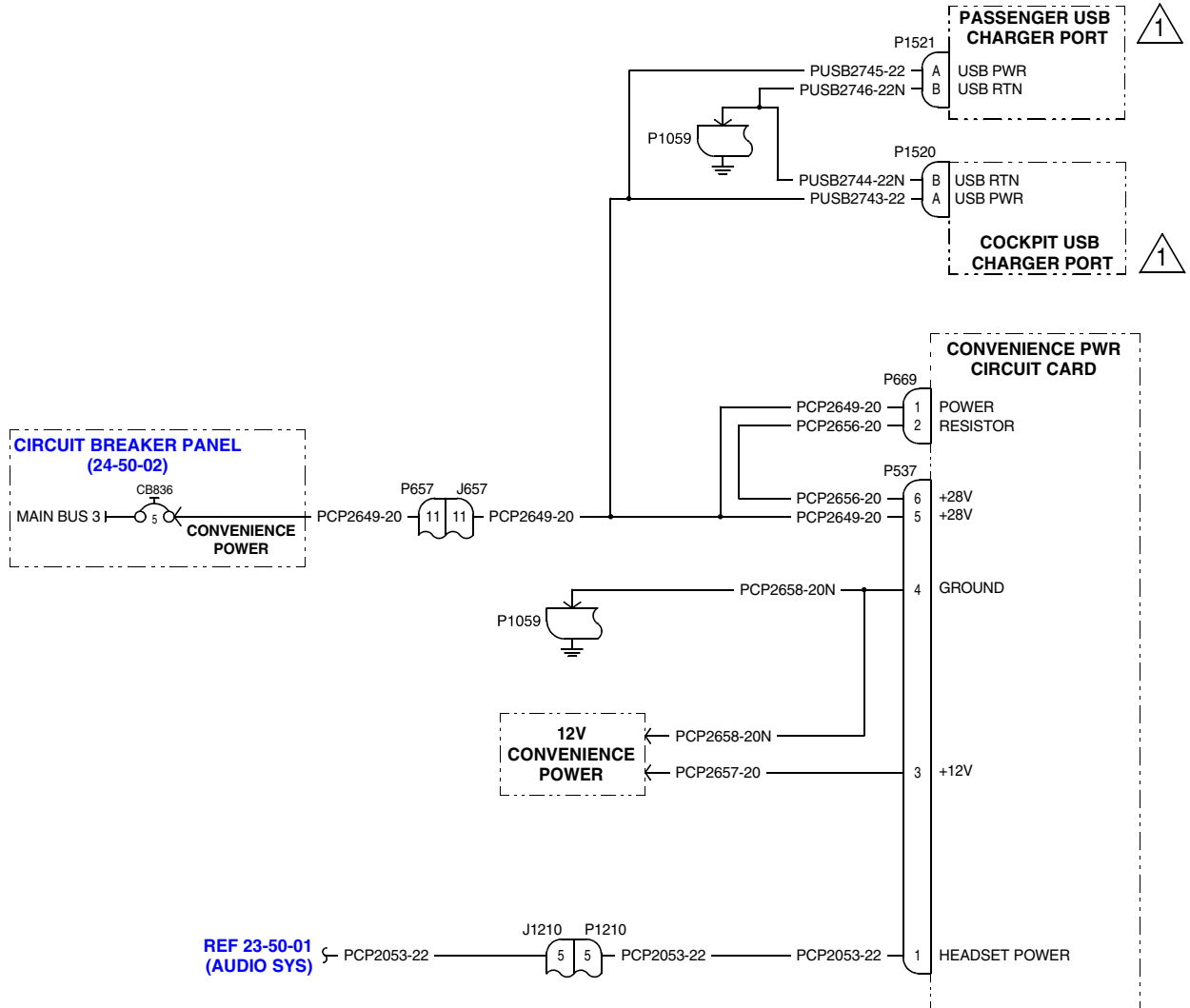
Refer to 91-10-00 for connector and pin information.

WM24562-13

Figure-03
Convenience Power - Serials 2016 thru 2155 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

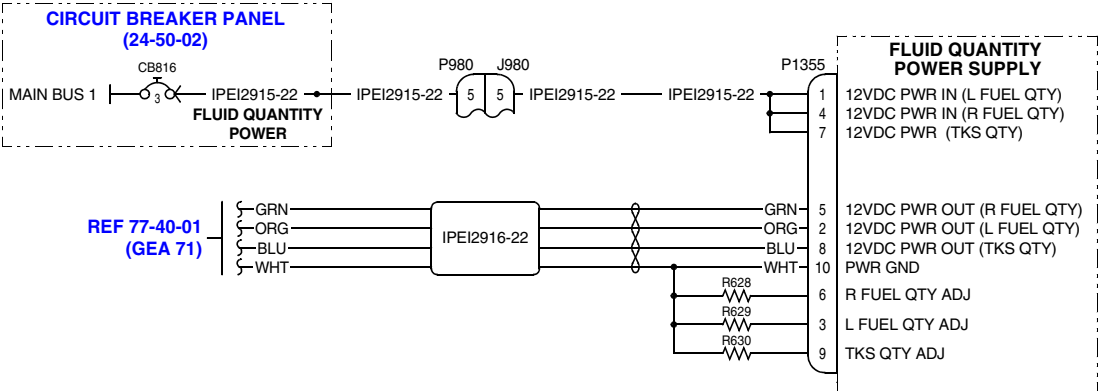
⚠ Serials 2273 & subs.

WM26333-03B

Figure-03
Convenience Power - Serials 2156 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2156 & subs w/ Perspective Avionics

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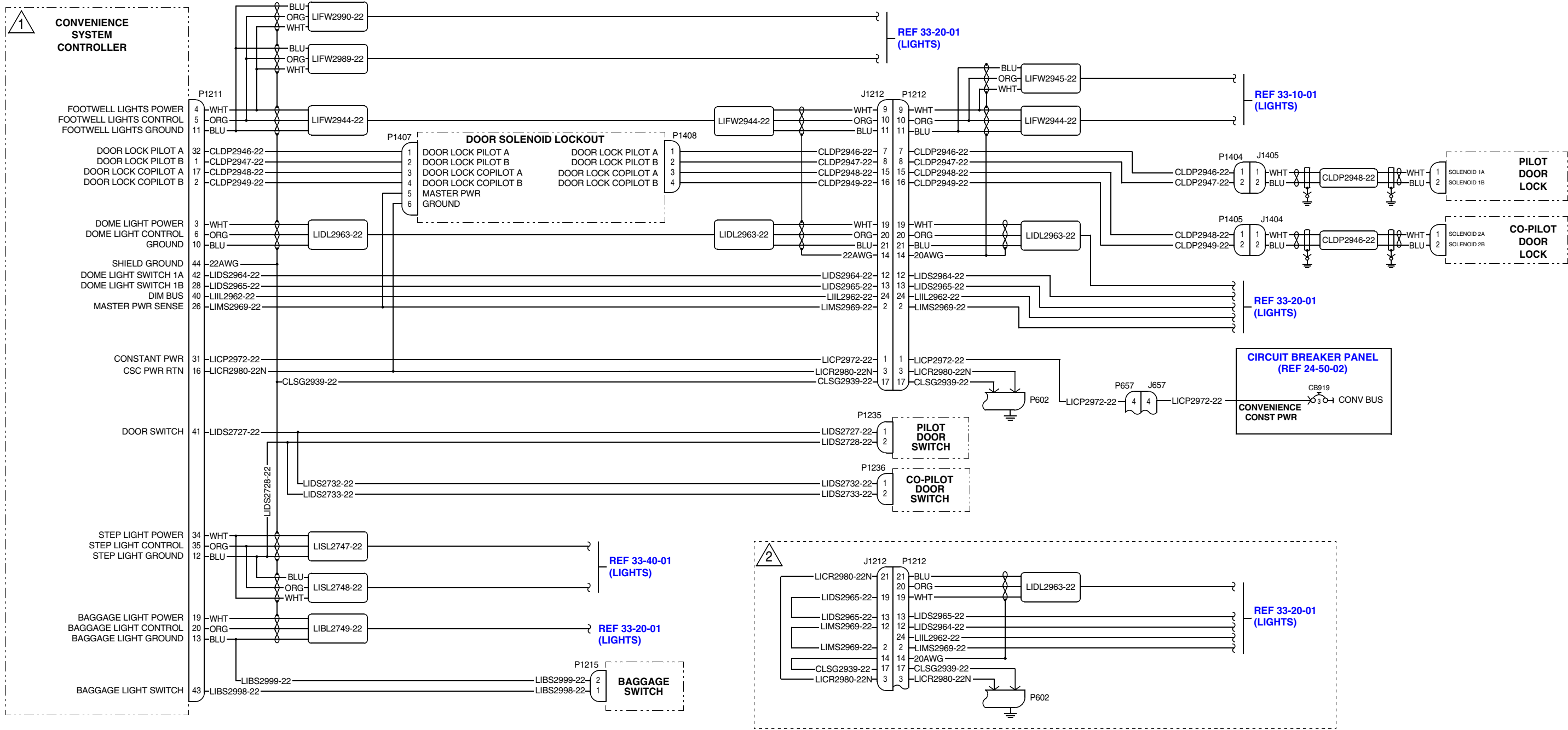
NOTES

Refer to 91-10-00 for connector and pin information.

WM29603-05

Figure-04
Fluid Quantity Power - Serials 2156 thru 2292

EFFECTIVITY:
Serials 2156 thru 2292



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2303 & subs w/ Convenience Lighting.

2 Serials 2303 & subs w/o Convenience Lighting.

Figure-05

Convenience System Controller - Serials 2303 & subs w/ Convenience Lighting

EFFECTIVITY:
Serials 2303 & subs w/ Convenience Lighting

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CHAPTER

25

**EQUIPMENT AND
FURNISHINGS**

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25-60	1	01 MAY 2012
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25-60	4	01 FEB 2013
25-60	5	15 DEC 2014
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All

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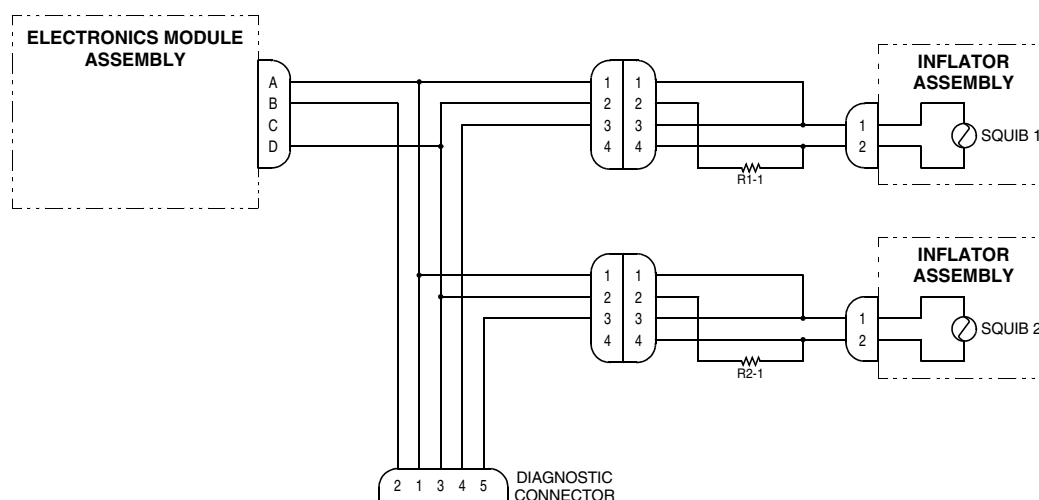
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406 MHz Emergency Locator Transmitter - Serials 1639 thru 1705	25-60-01
406 MHz Emergency Locator Transmitter - Serials 1706 & subs w/o Perspective Avionics	25-60-01
406 MHz Emergency Locator Transmitter - Serials 2016 thru 2272 w/ Perspective Avionics	25-60-01
Artex ELT 1000 Emergency Locator Transmitter - Serials 2273 & subs	25-60-01

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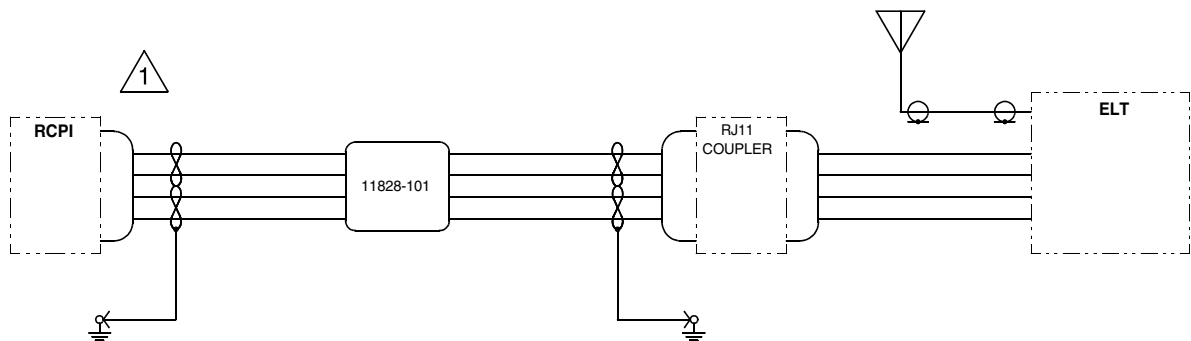


WM20902_01

Figure-01
Crew Seat Harness - Serials 1005 & subs

EFFECTIVITY:
Serials 1005 & subs

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NOTES

Refer to 91-10-00 for connector and pin information.

 All connectors plugs on 11828-101 are RJ-11 plugs.

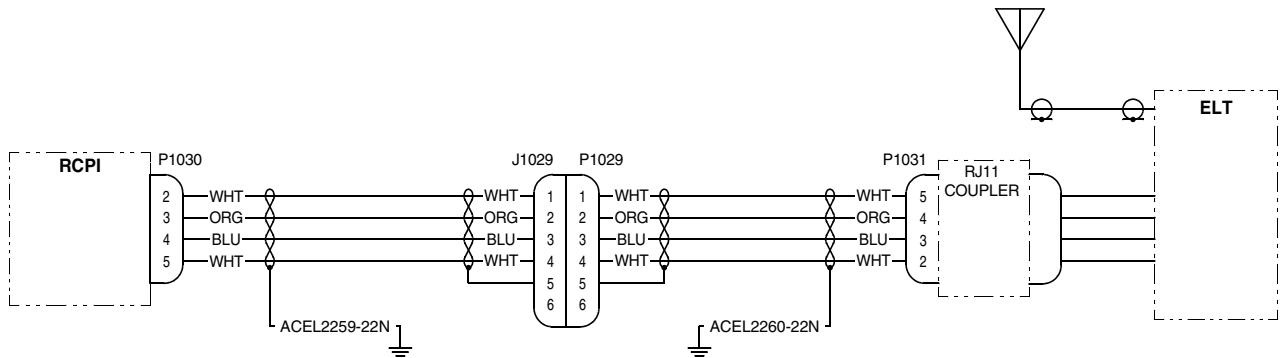
WM11828_01

Figure-01

Emergency Locator Transmitter - Serials 1005 thru 2126 w/o Perspective Avionics

EFFECTIVITY:
Serials 1005 thru 2126 w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

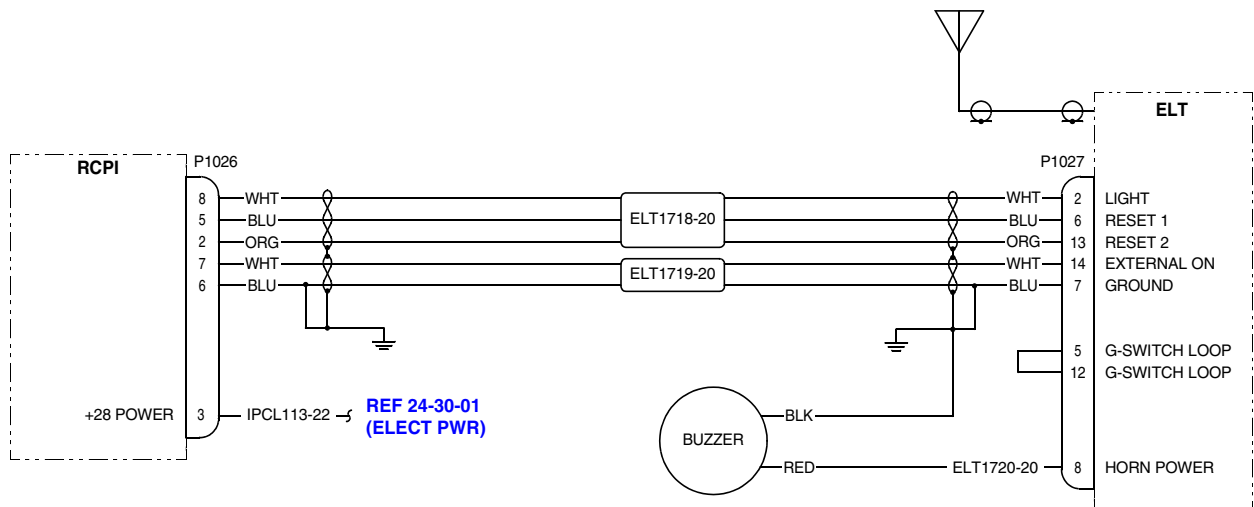
WM24698_01

Figure-01

Emergency Locator Transmitter - Serials 2016 thru 2126 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2126 w/ Perspective Avionics

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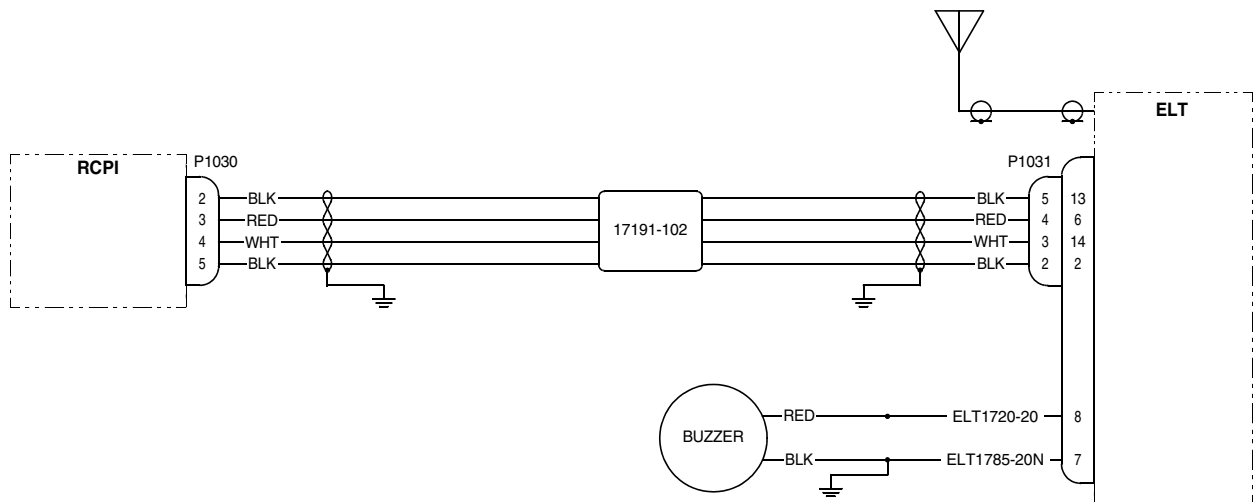
Refer to 91-10-00 for connector and pin information.

WM17191_01

Figure-01
406 MHz Emergency Locator Transmitter - Serials 1639 thru 1705

EFFECTIVITY:
Serials 1639 thru 1705

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NOTES

Refer to 91-10-00 for connector and pin information.

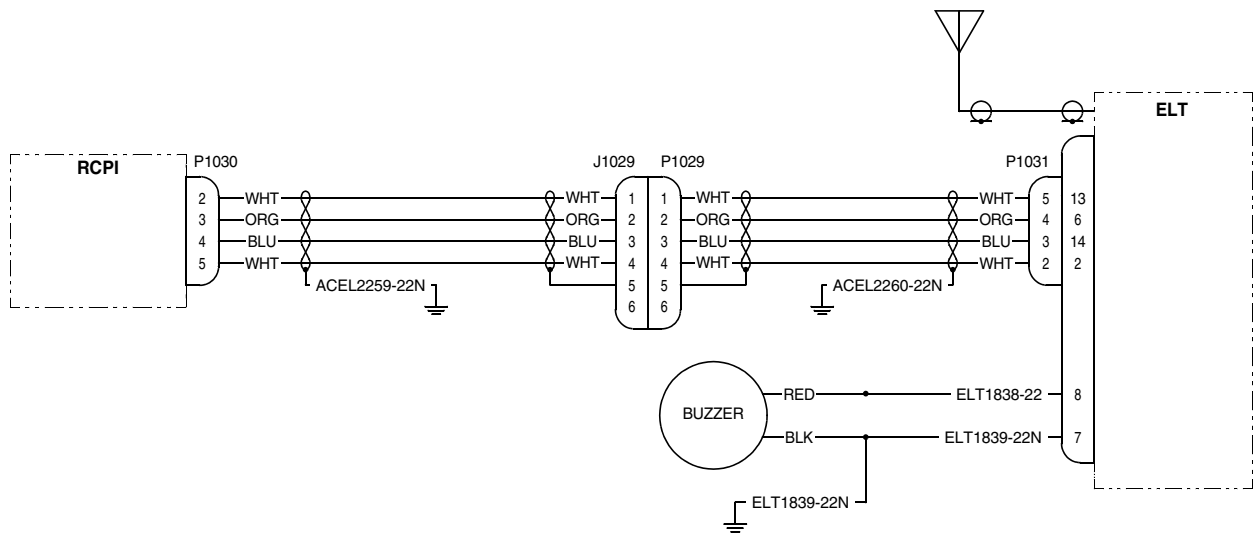
WM17191_03A

Figure-01

406 MHz Emergency Locator Transmitter - Serials 1706 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1706 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

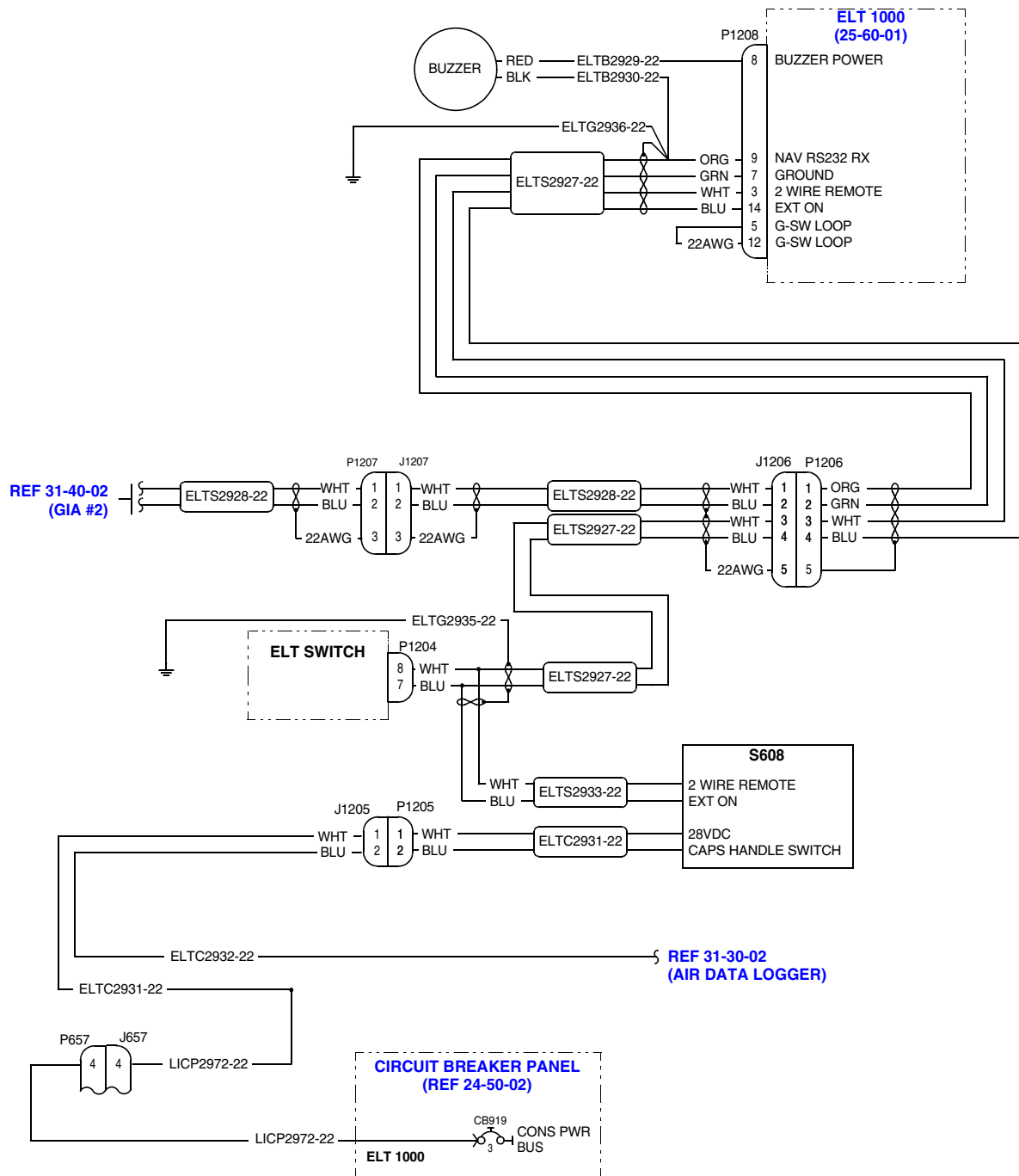
WM24698_03A

Figure-01

406 MHz Emergency Locator Transmitter - Serials 2016 thru 2272 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2272 w/ Perspective Avionics

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WM33938_01

Figure-01
Artex ELT 1000 Emergency Locator Transmitter - Serials 2273 & subs

EFFECTIVITY:
Serials 2273 & subs

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CHAPTER

27

FLIGHT CONTROLS

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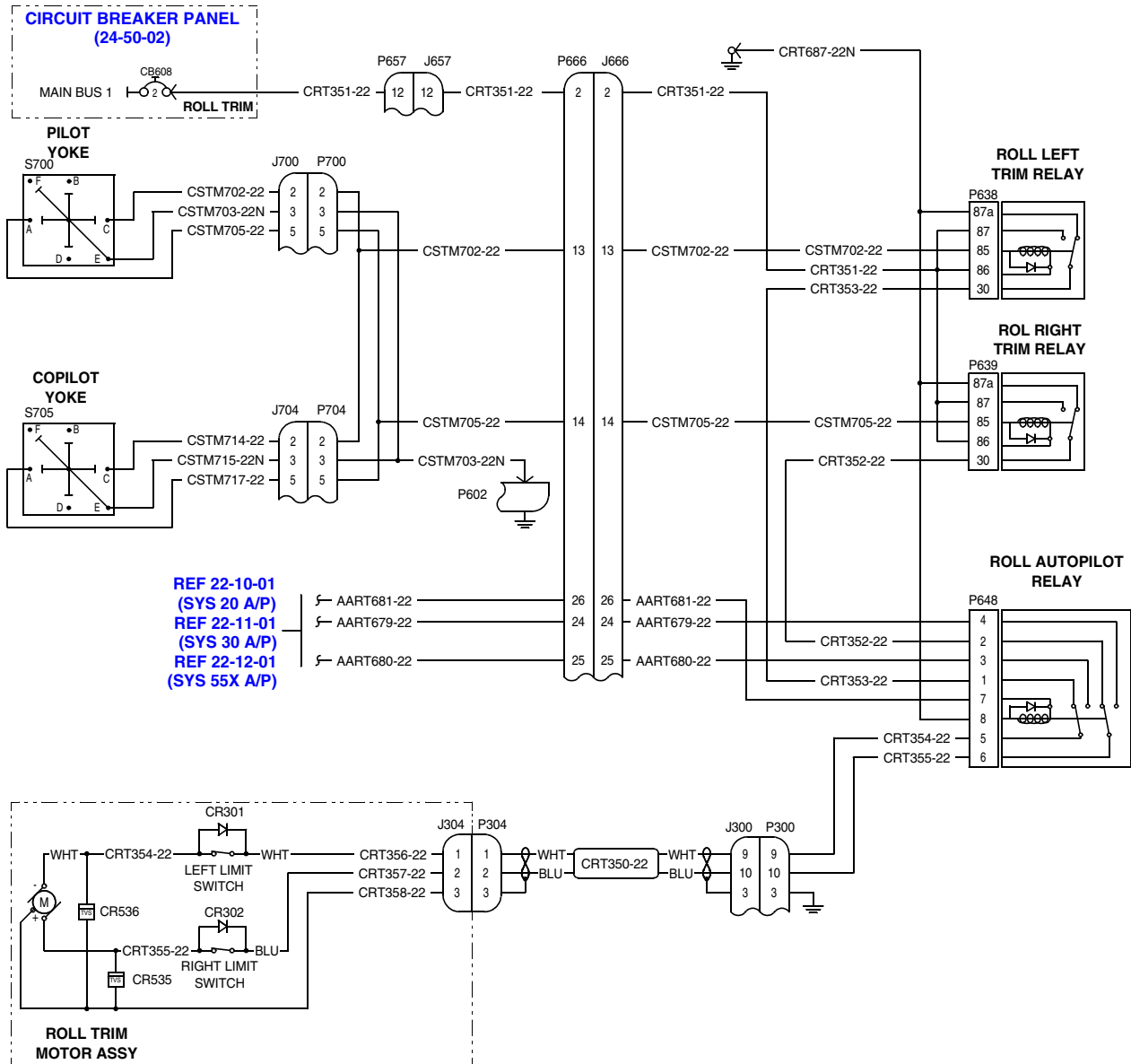
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NOTES

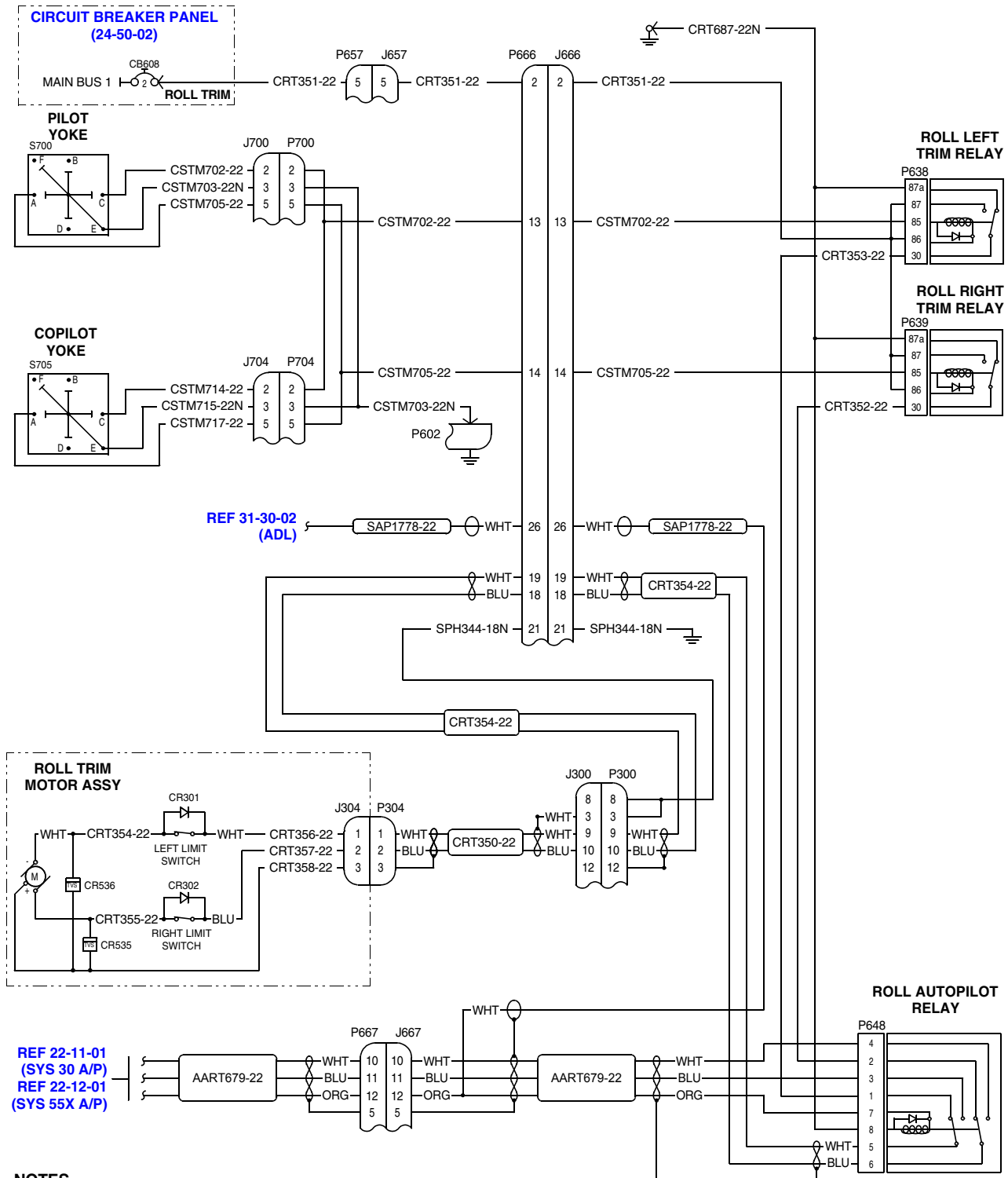
Refer to 91-10-00 for connector and pin information.

WM11721_1B

Figure-01
Roll Trim System - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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NOTES

Refer to 91-10-00 for connector and pin information.

WM18536_02

Figure-01
Roll Trim System - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

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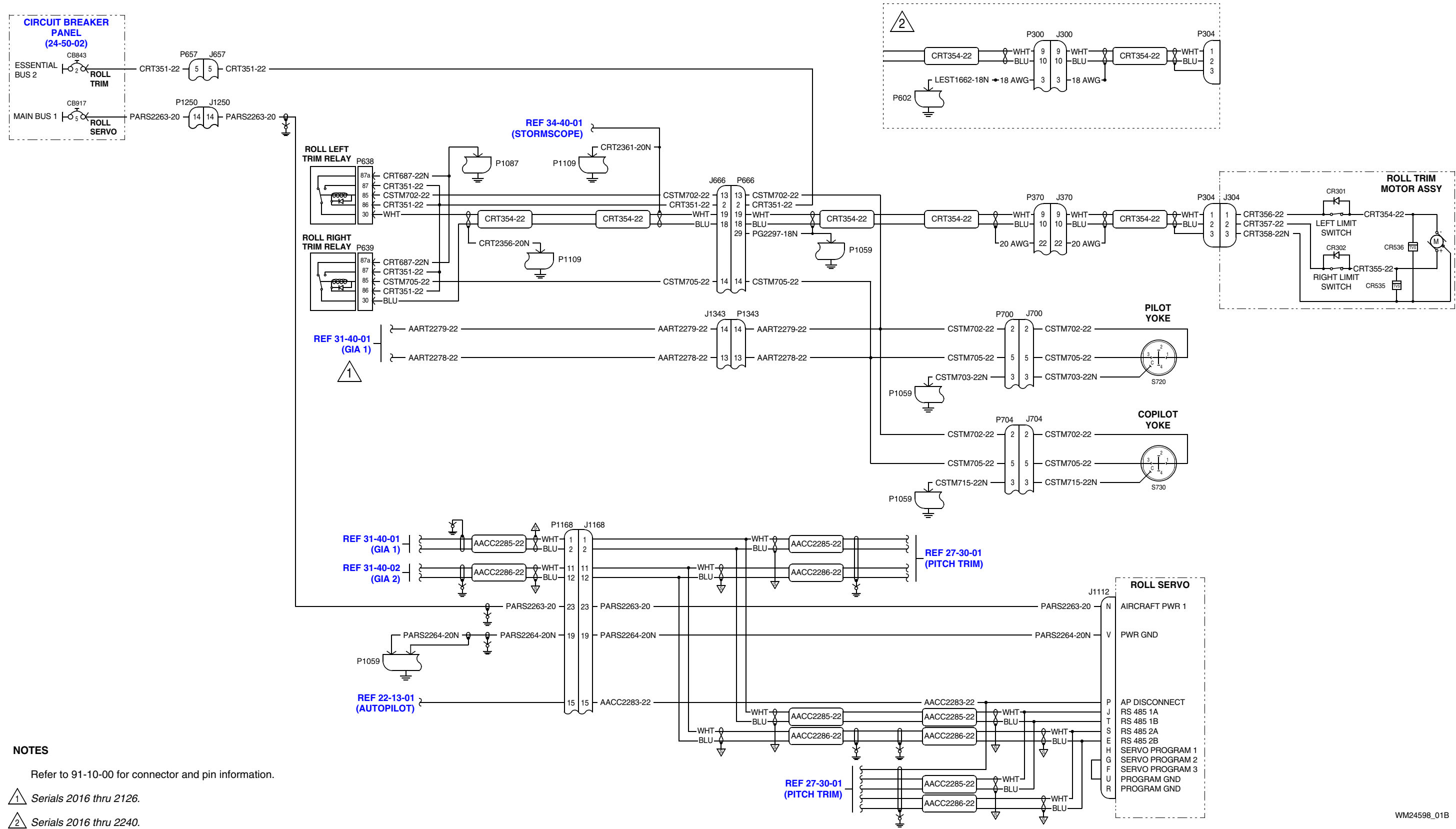
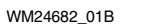


Figure-01

Roll Trim System - Serials 2016 & subs w/ Perspective Avionics

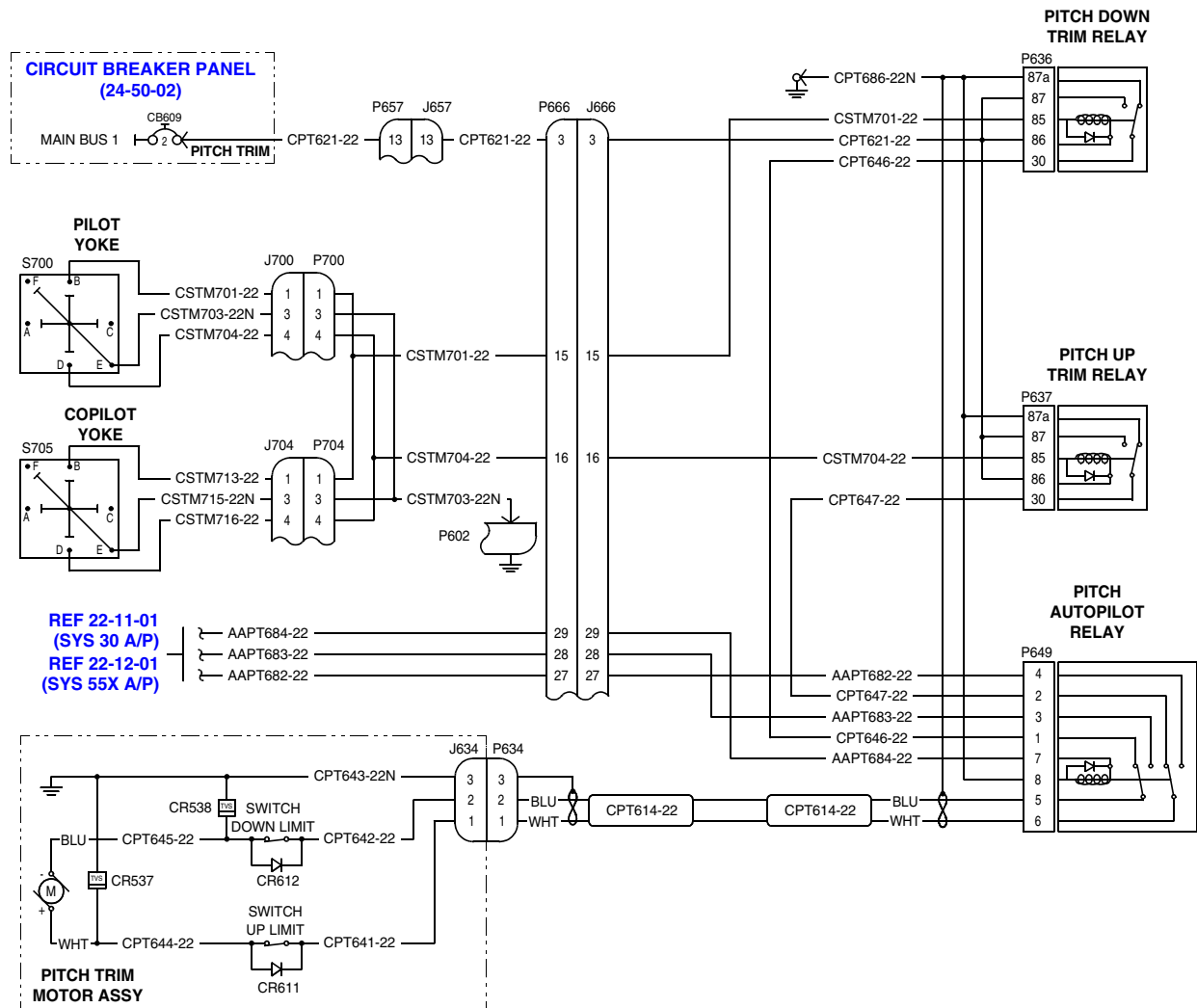
EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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Roll Trim System - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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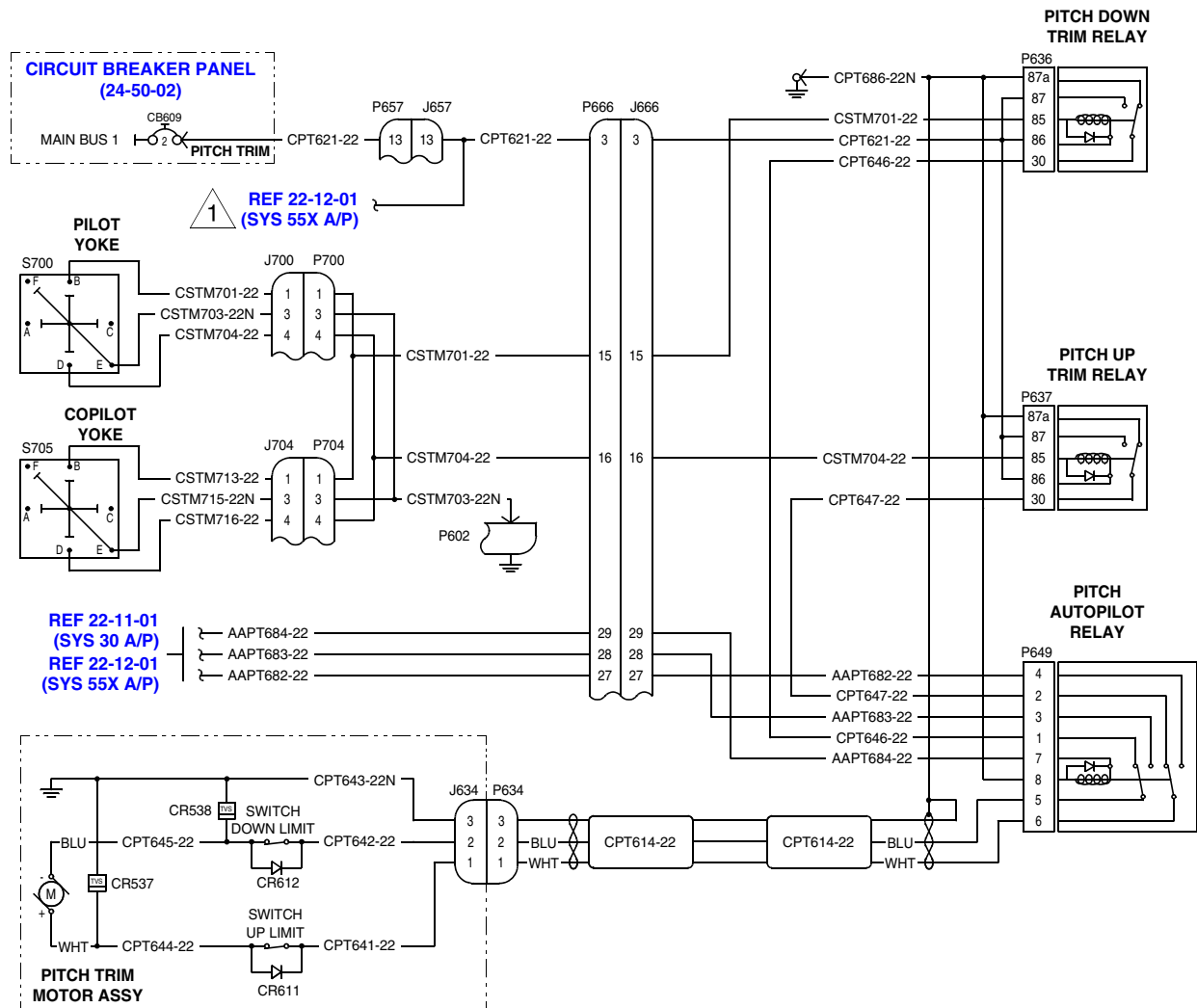
Refer to 91-10-00 for connector and pin information.

WM11716_01A

Figure-01
Pitch Trim System - Serials 1005 thru 1124

EFFECTIVITY:
Serials 1005 thru 1124

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NOTES

Refer to 91-10-00 for connector and pin information.

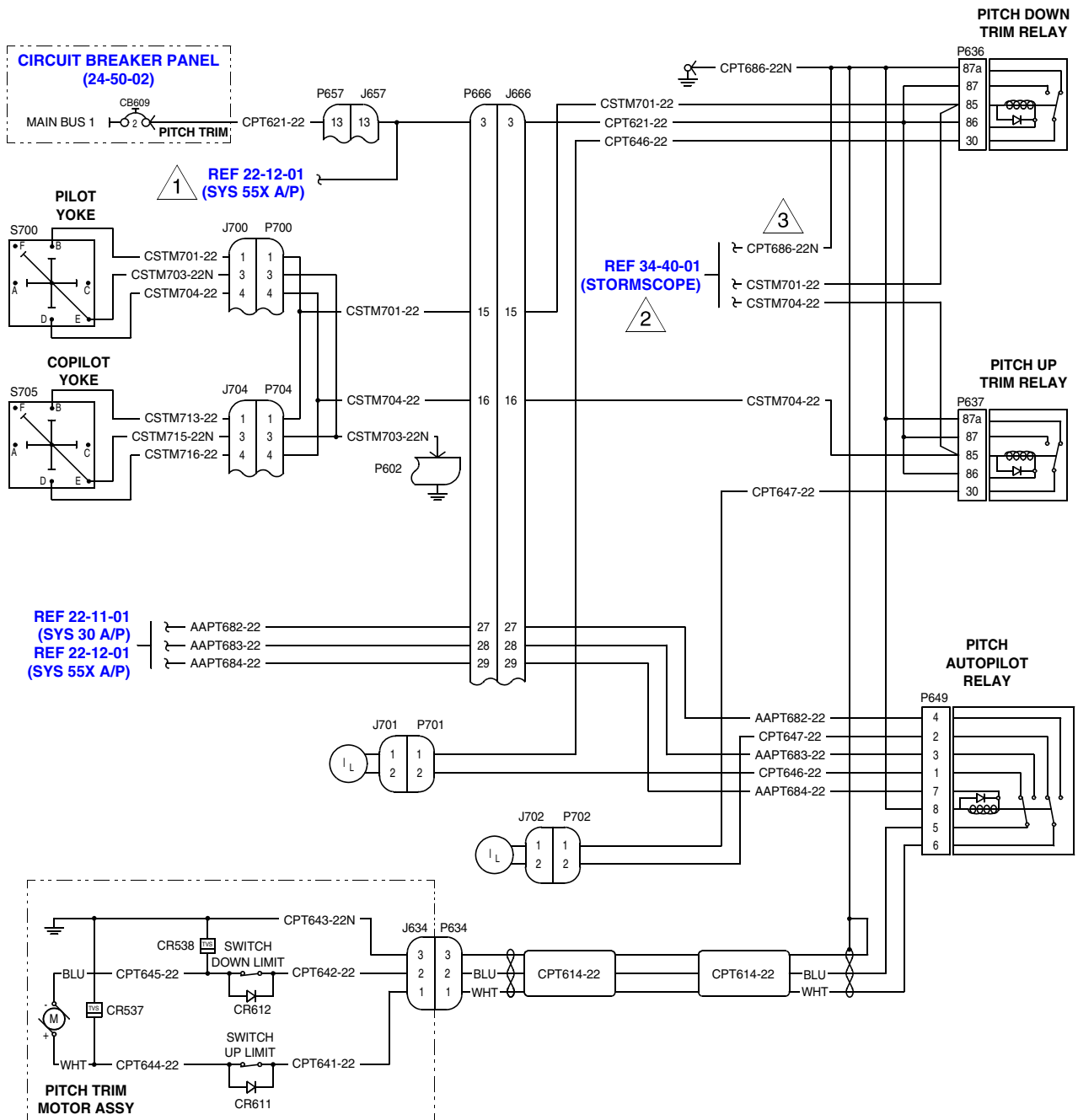
1 Serials 1148 & subs only w/Configuration "C".

WM11716-02

Figure-01
Pitch Trim System - Serials 1125 thru 1178

EFFECTIVITY:
Serials 1125 thru 1178

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Configuration "C" Airplanes only.

2 Serials 1228 & subs only.

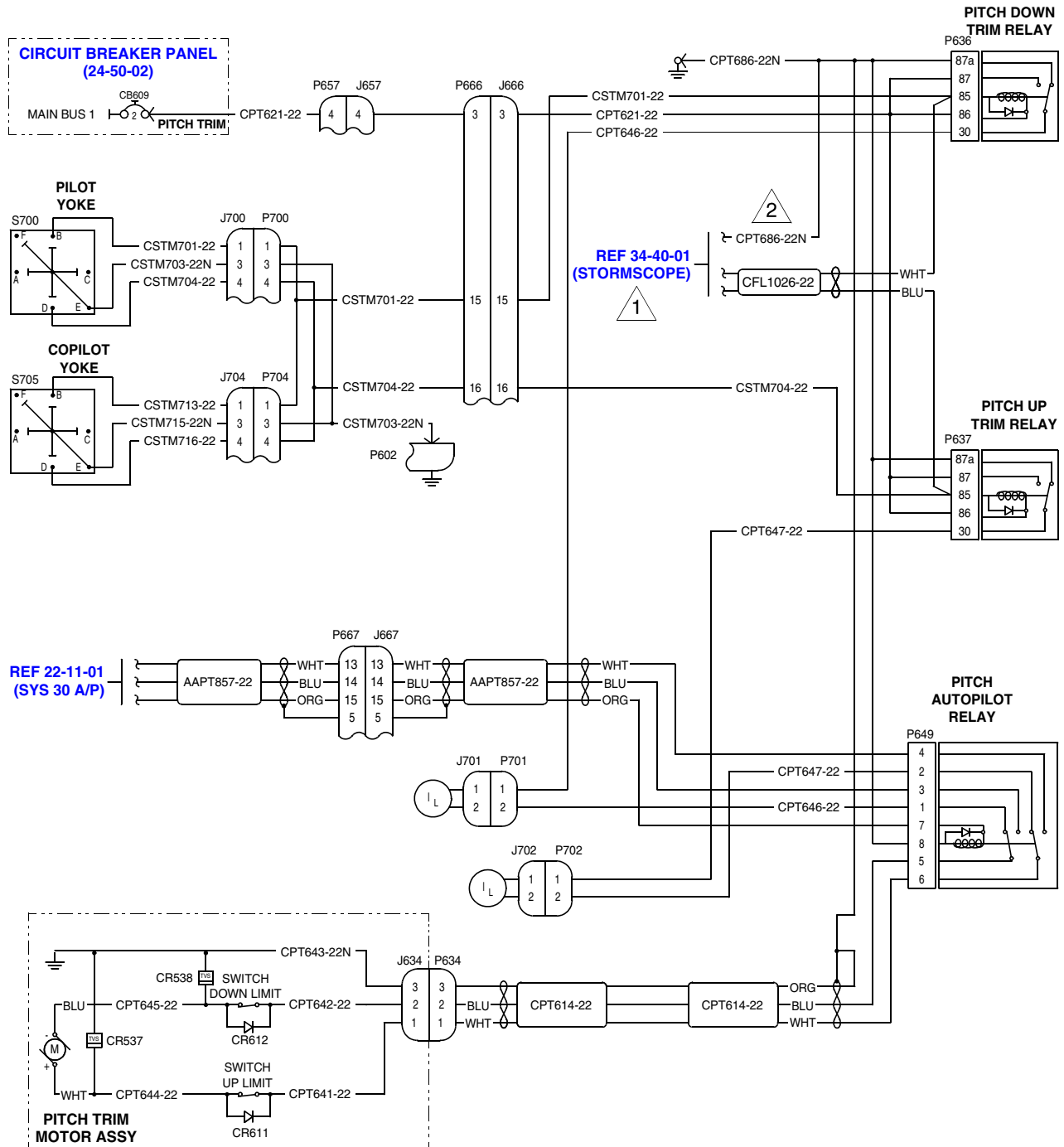
3 Serials 1232 & subs only.

WM11716_03

Figure-01
Pitch Trim System - Serials 1179 thru 1267

EFFECTIVITY:
Serials 1179 thru 1267

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 1228 & subs only.

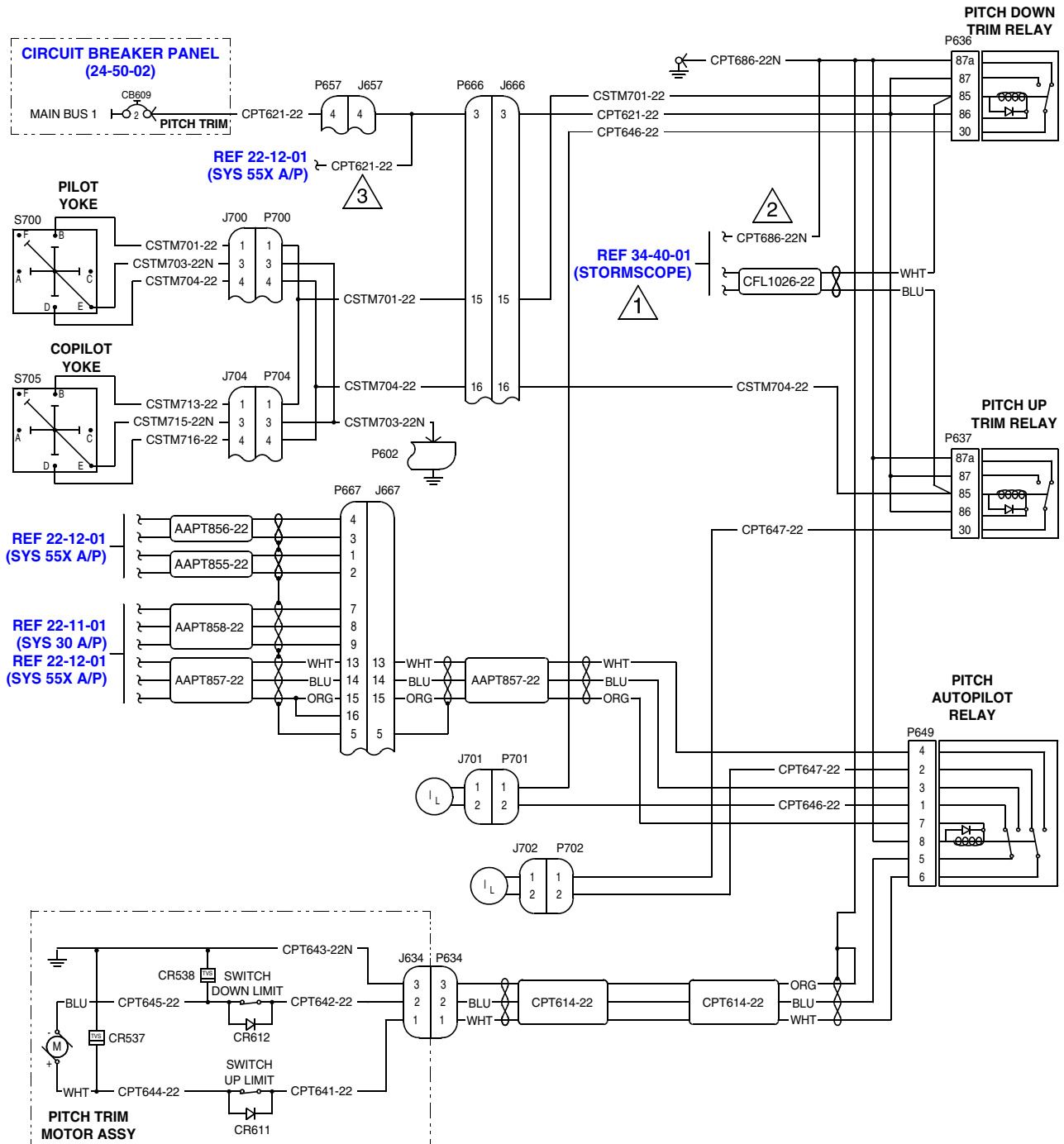
2 Serials 1232 & subs only.

WM15372_02

Figure-01
Pitch Trim System - Serials 1268 thru 1336, Config. "2.0"

EFFECTIVITY:
Serials 1268 thru 1336, Config. "2.0"

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19 Sep 2010

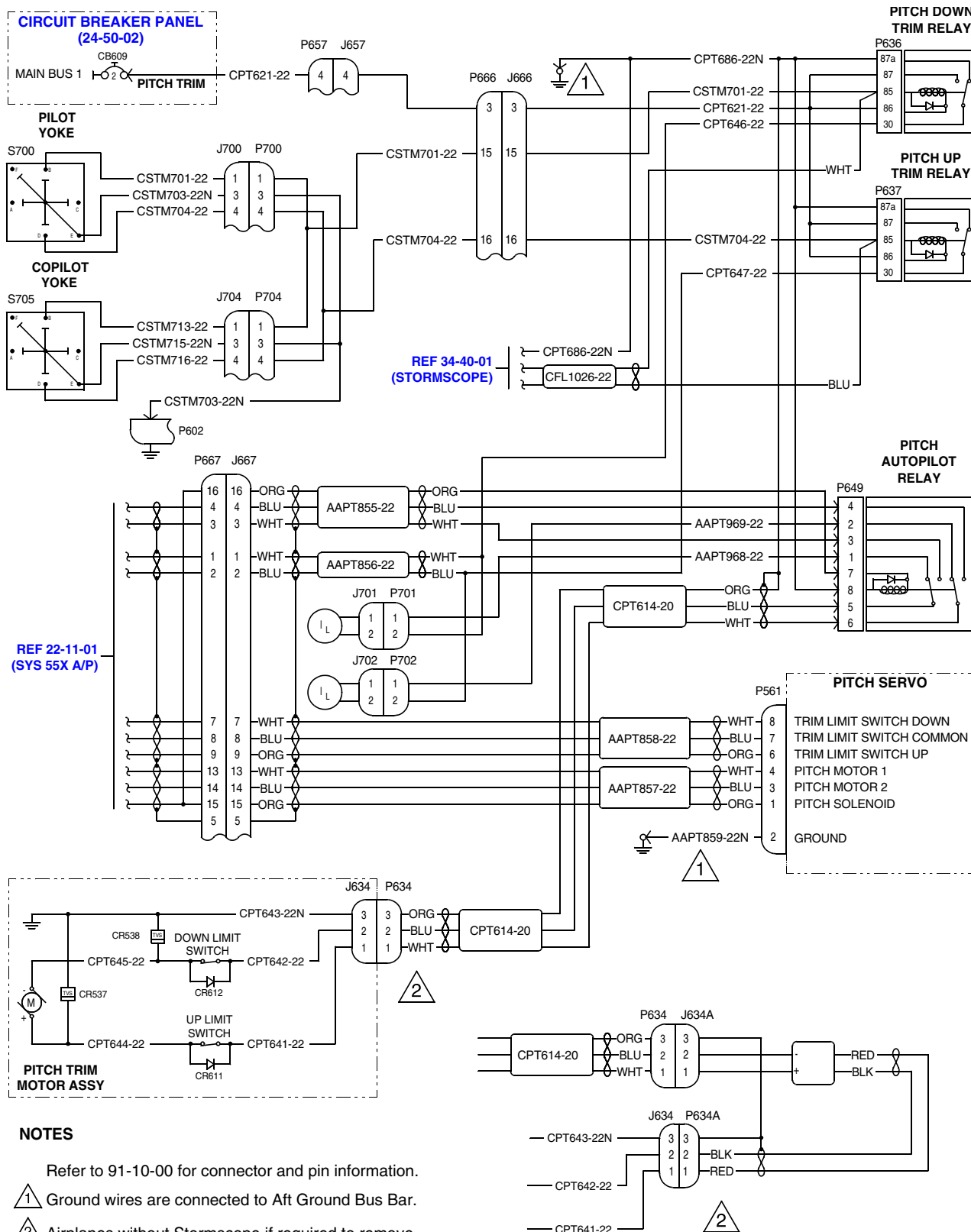


WM15372_01

Figure-01
Pitch Trim System - Serials 1268 thru 1877, 1879 thru 1885

EFFECTIVITY:
Serials 1268 thru 1877, 1879 thru 1885

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WM18536_03

Figure-01

Pitch Trim System - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

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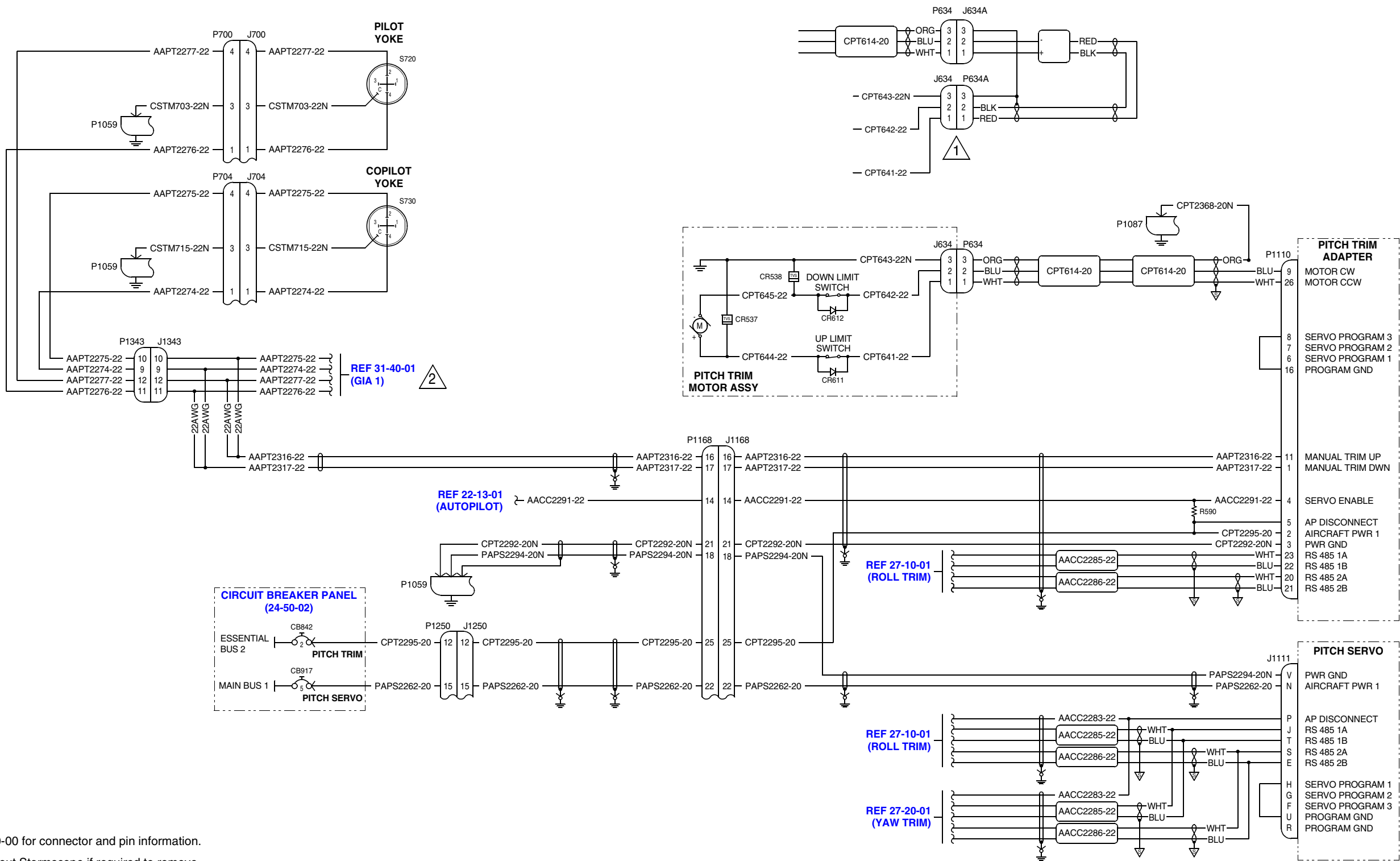


Figure-01
Pitch Trim System - Serials 2016 & subs w/ Perspective Avionics

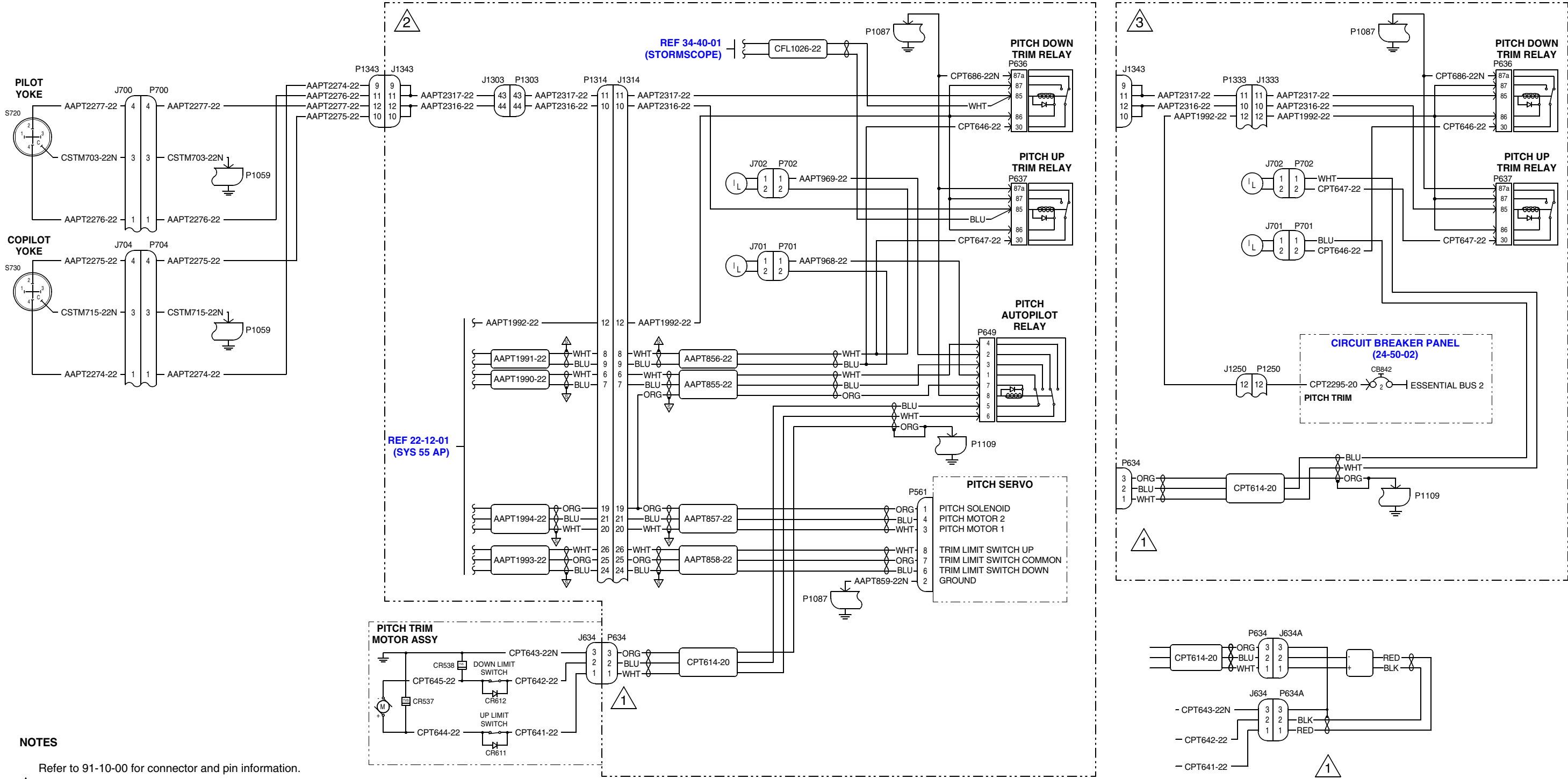
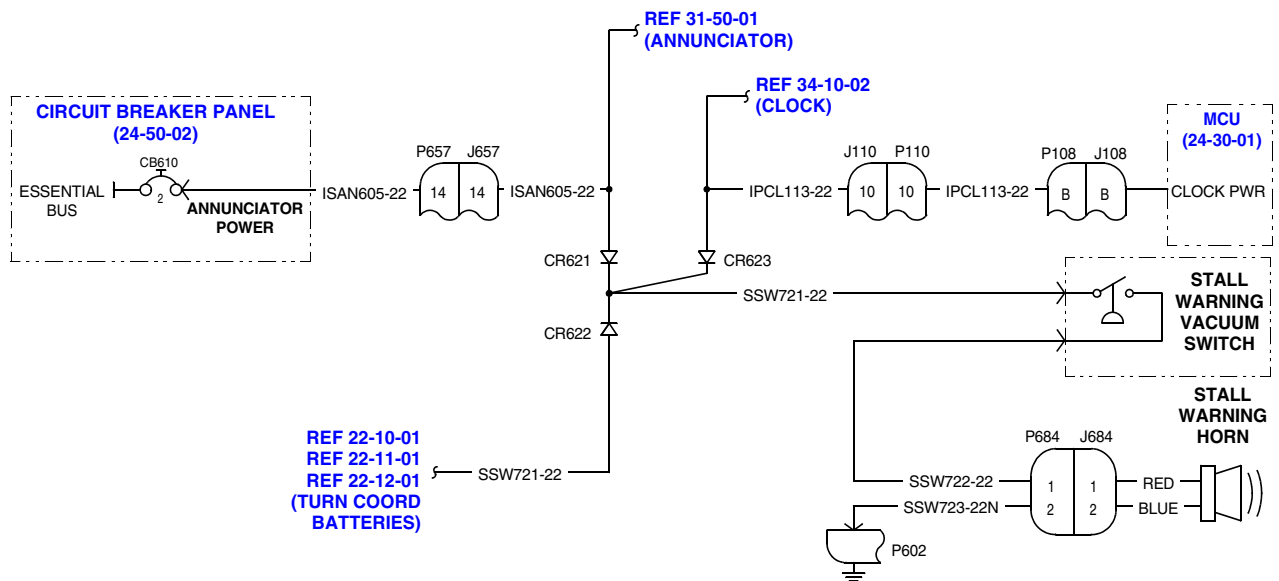


Figure-01

Pitch Trim System - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics



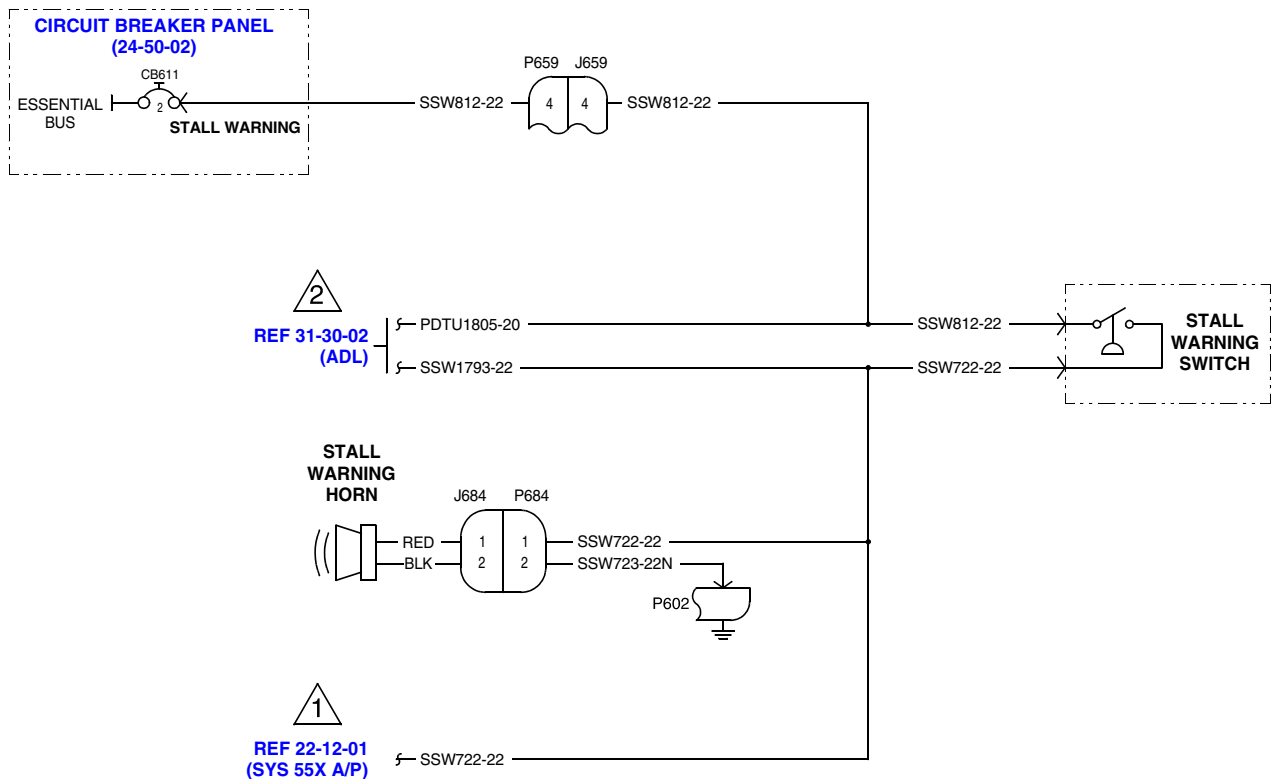
NOTES

Refer to 91-10-00 for connector and pin information.

WM13089_01

Figure-01
Stall Warning System - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 1706 & subs.

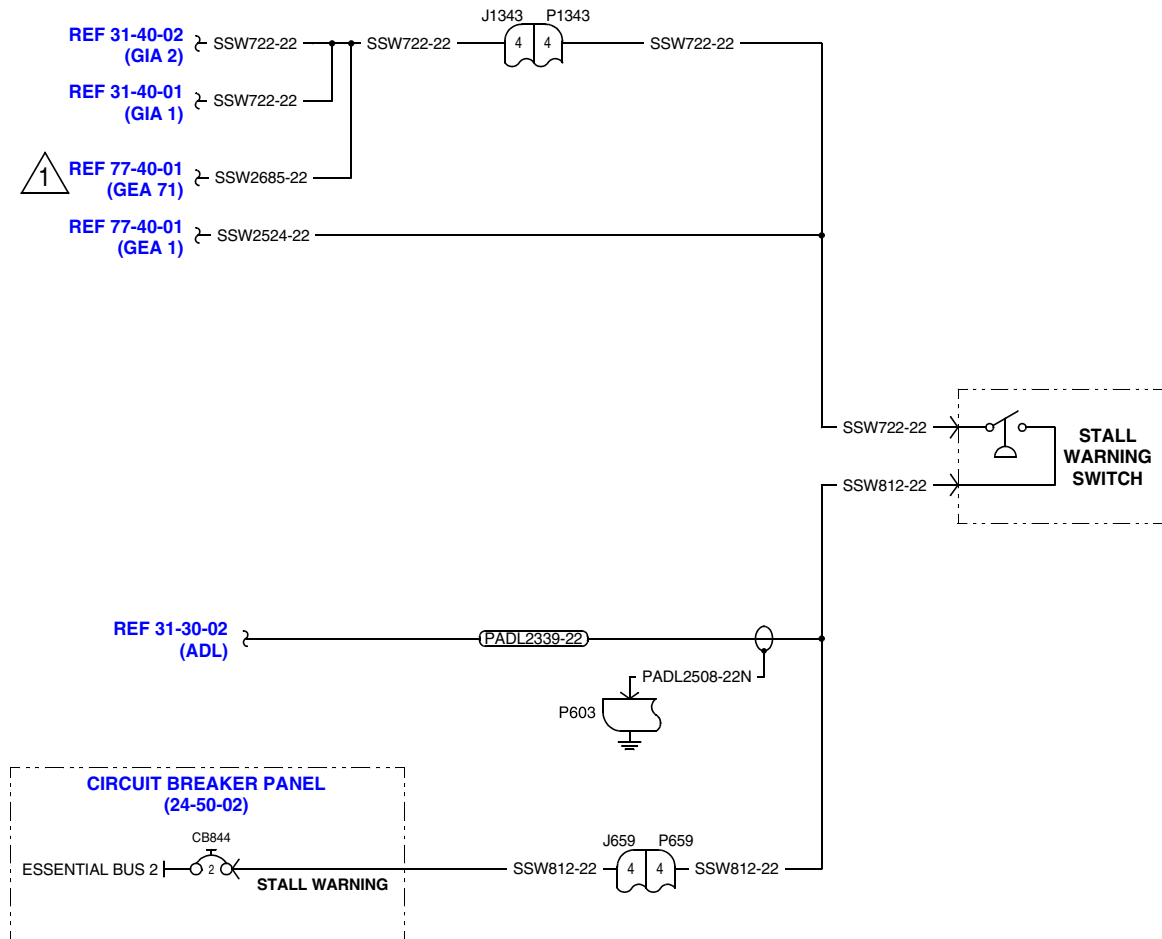
2 Serials 1878, 1886 & subs.

WM15394_16A

Figure-01
Stall Warning System - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

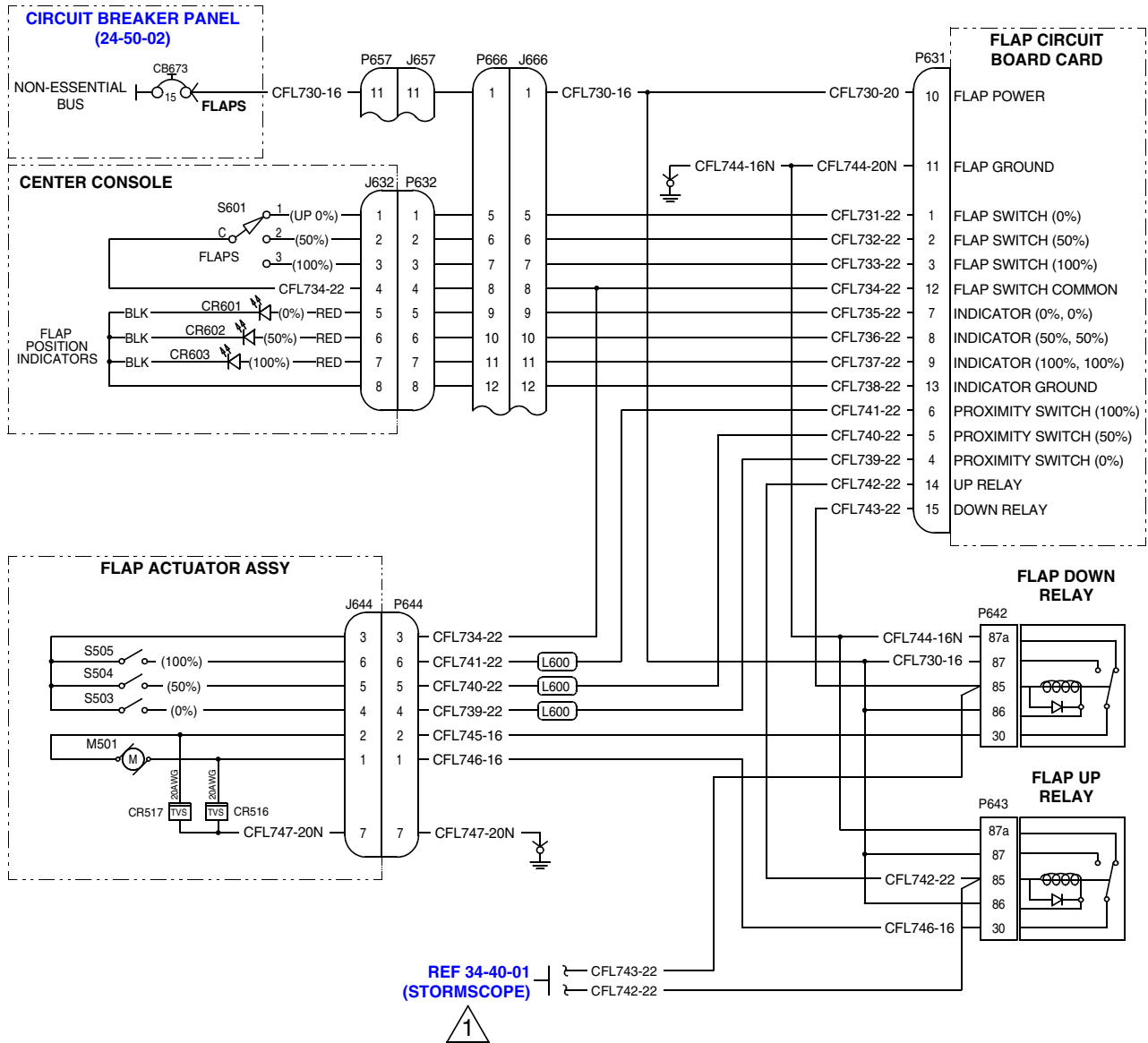
 Serials after SB2X-22-08, 2241 & subs.

WM24562_23B

Figure-01
Stall Warning System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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01 Jan 2016



NOTES

Refer to 91-10-00 for connector and pin information.

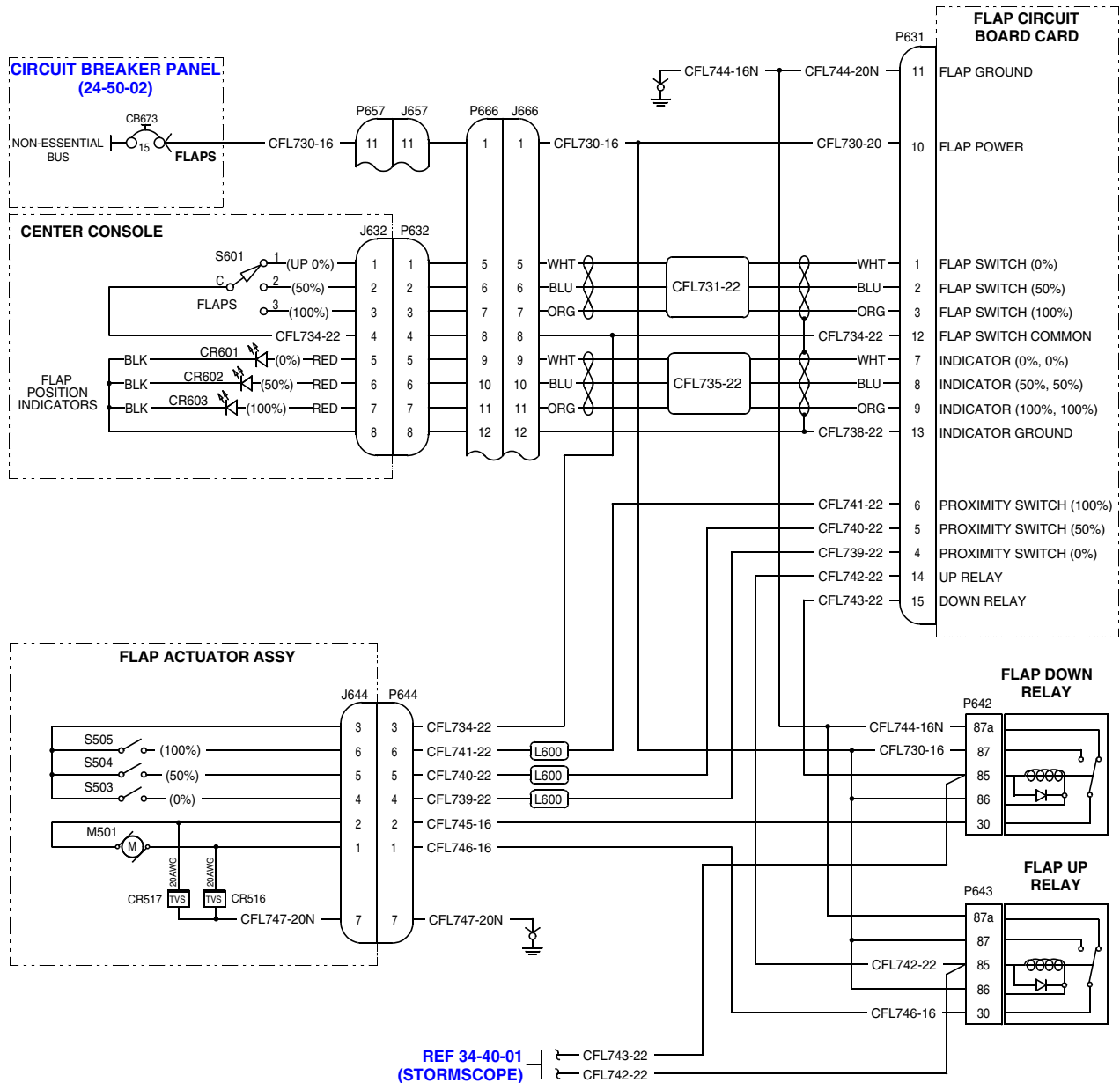
1 Serials 1228 thru 1231.

WM11786_02B

Figure-01
Flap Control System - Serials 1005 thru 1231

EFFECTIVITY:
Serials 1005 thru 1231

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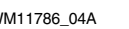
Refer to 91-10-00 for connector and pin information.

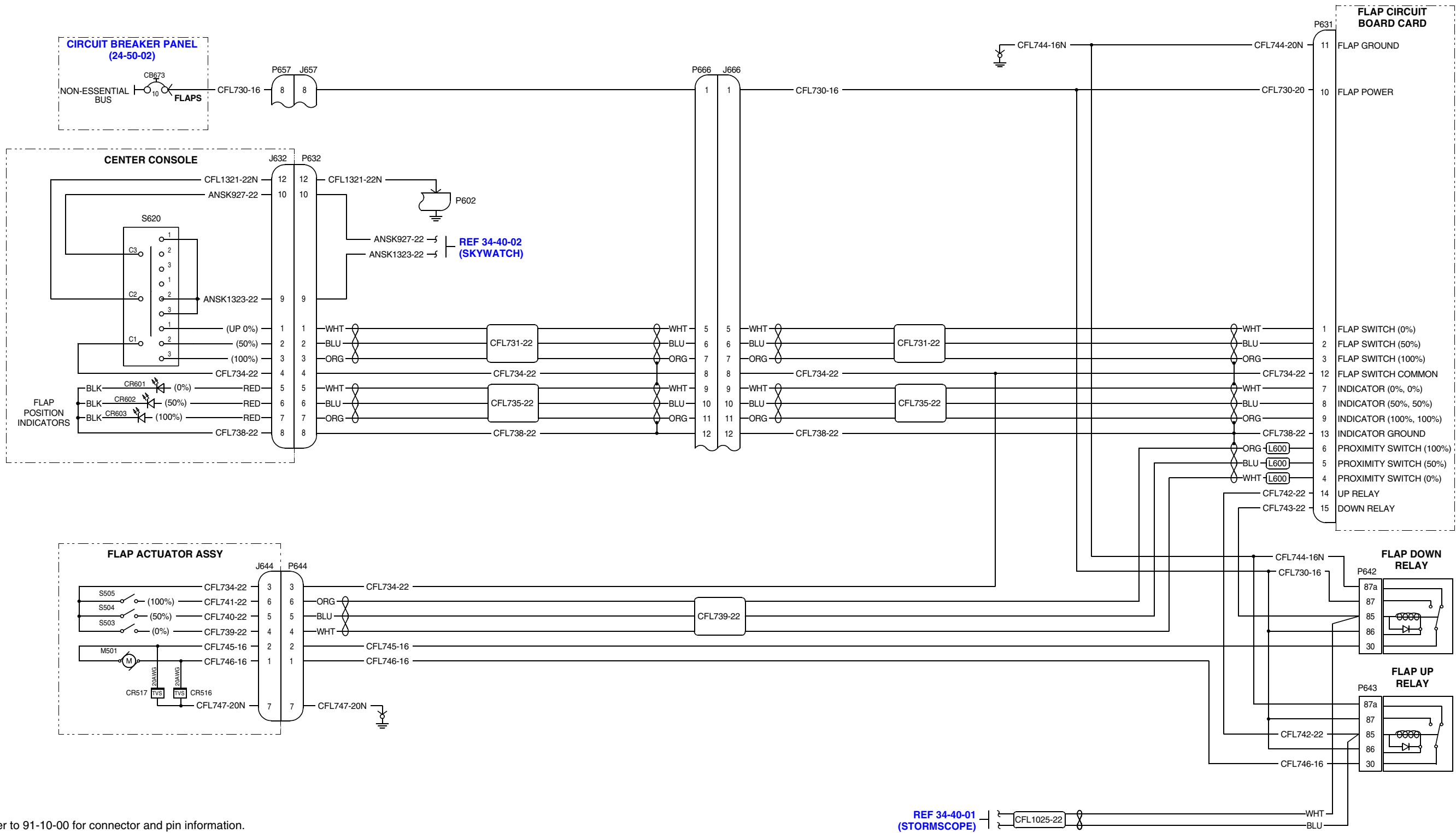
WM11786_03A

Figure-01
Flap Control System - Serials 1232 thru 1267

EFFECTIVITY:
Serials 1232 thru 1267

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NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01

Flap Control System - Serials 1582 thru 1877, 1879 thru 1885

EFFECTIVITY:

Serials 1582 thru 1877, 1879 thru 1885

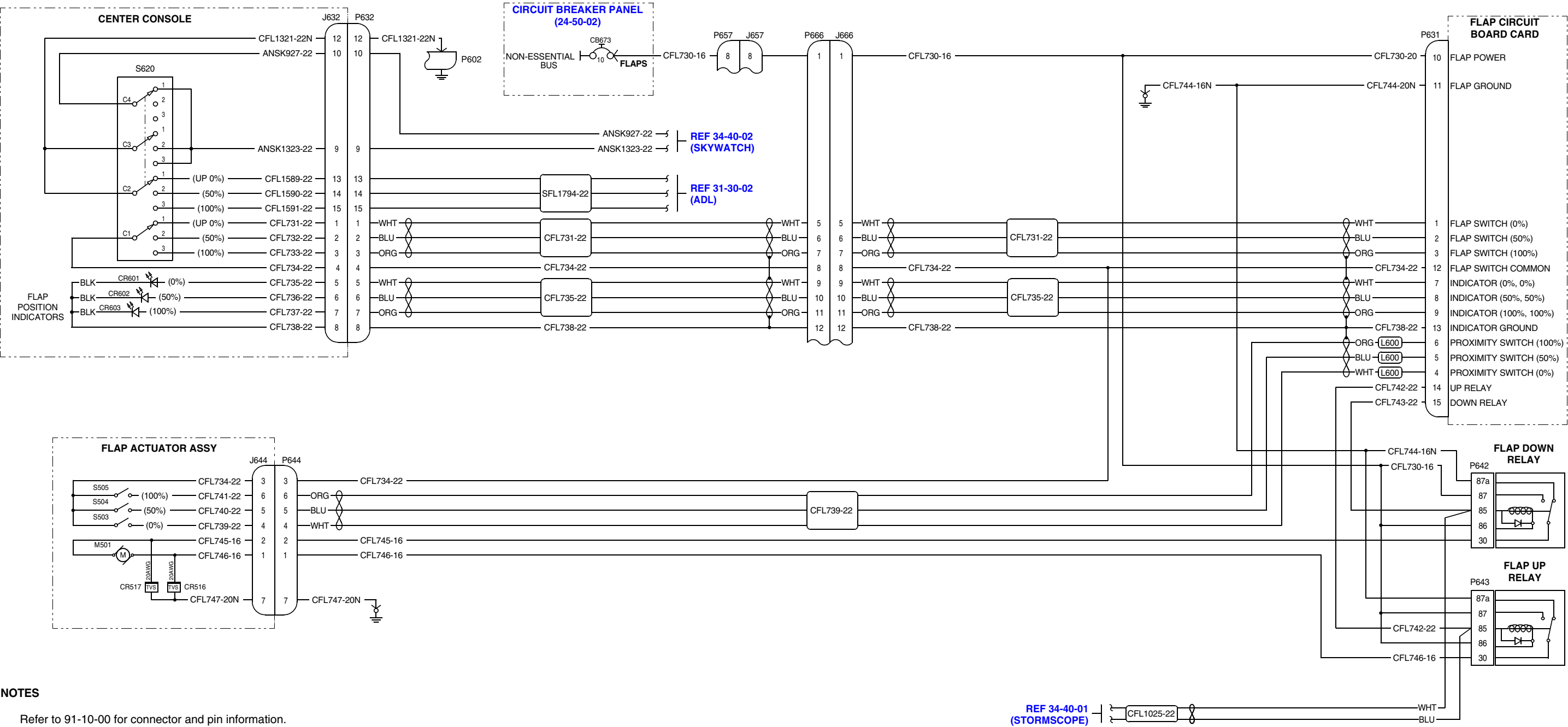
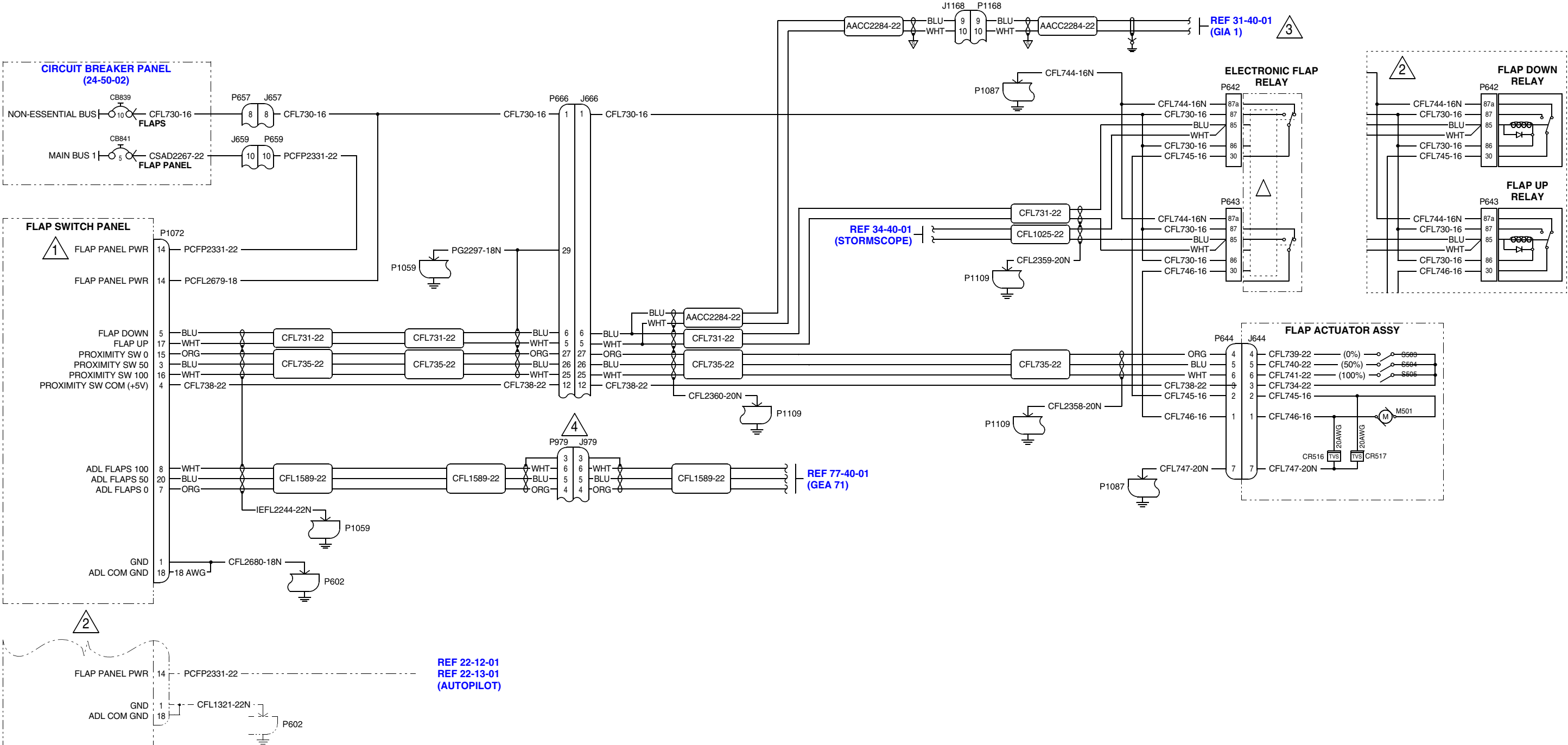


Figure-01
Flap Control System - Serials 1878, 1886 & subs w/o Perspective Avionics



- NOTES**
- Refer to 91-10-00 for connector and pin information.
- 1 Serials w/ Configuration "S" (USAFA).
- 2 Serials 2016 thru 2221.
- 3 Serials 2222 & subs.
- 4 Serials 2016 thru 2155: Connector is labeled P1979, and J1979.

Figure-01

Flap Control System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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CHAPTER

28

FUEL

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CHAPTER 28 - FUEL

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28-40	2	19 SEP 2010
28-40	3	19 SEP 2010
28-40	4	01 MAY 2012
28-40	5	19 SEP 2017
28-40	6	19 SEP 2017

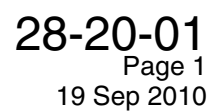
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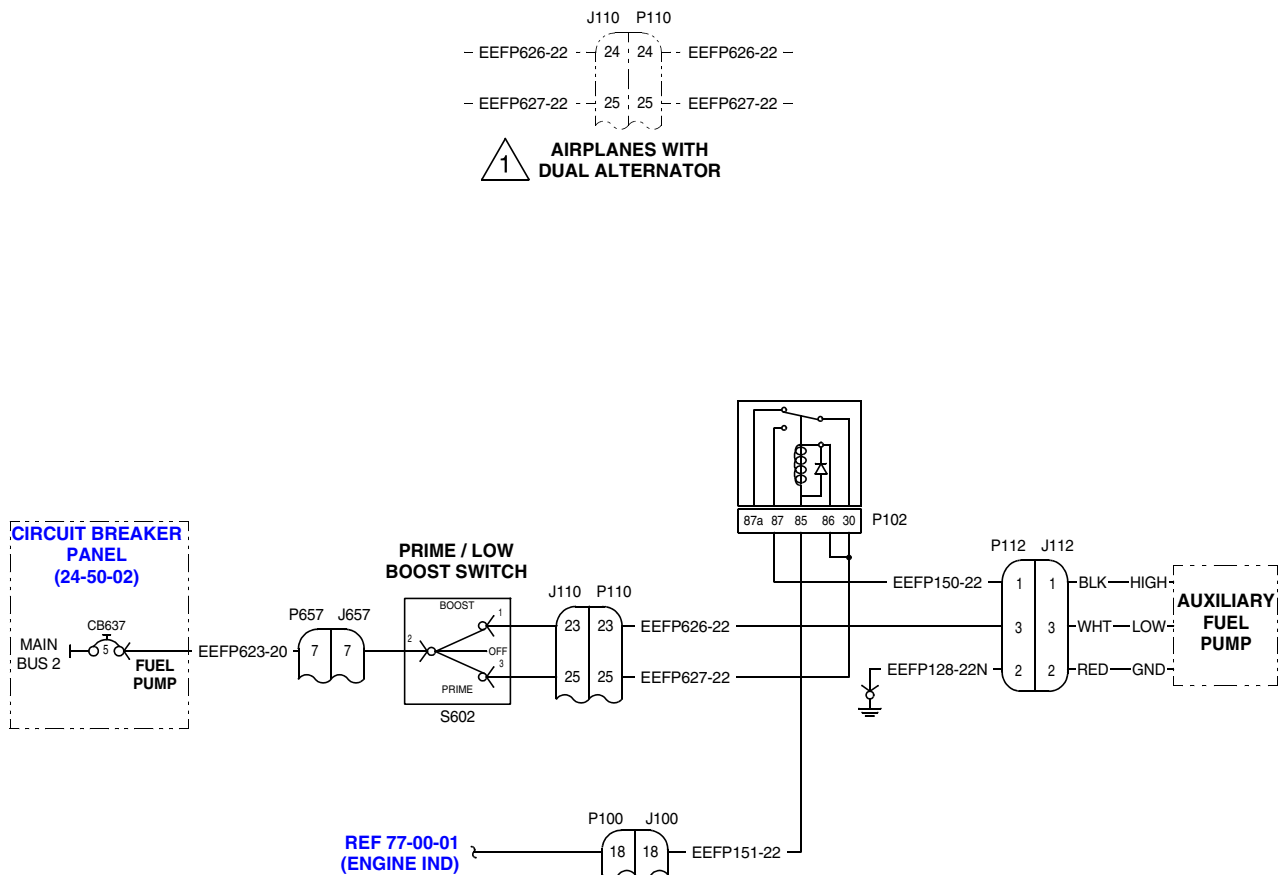
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Fuel Distribution System - Serials 1582 & subs w/o Perspective Avionics	28-20-01
Fuel Distribution System - Serials 2016 & subs w/ Perspective Avionics	28-20-01
Gascolator - Serials 2016 & subs w/ Perspective Avionics	28-20-02
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Fuel Level Indicating System - Serials 2016 thru 2155 w/ Perspective Avionics	28-40-01
Fuel Level Indicating System - Serials 2156 thru 2292 w/ Perspective Avionics	28-40-01
Fuel Level Indicating System - Serials 2293 & subs	28-40-01

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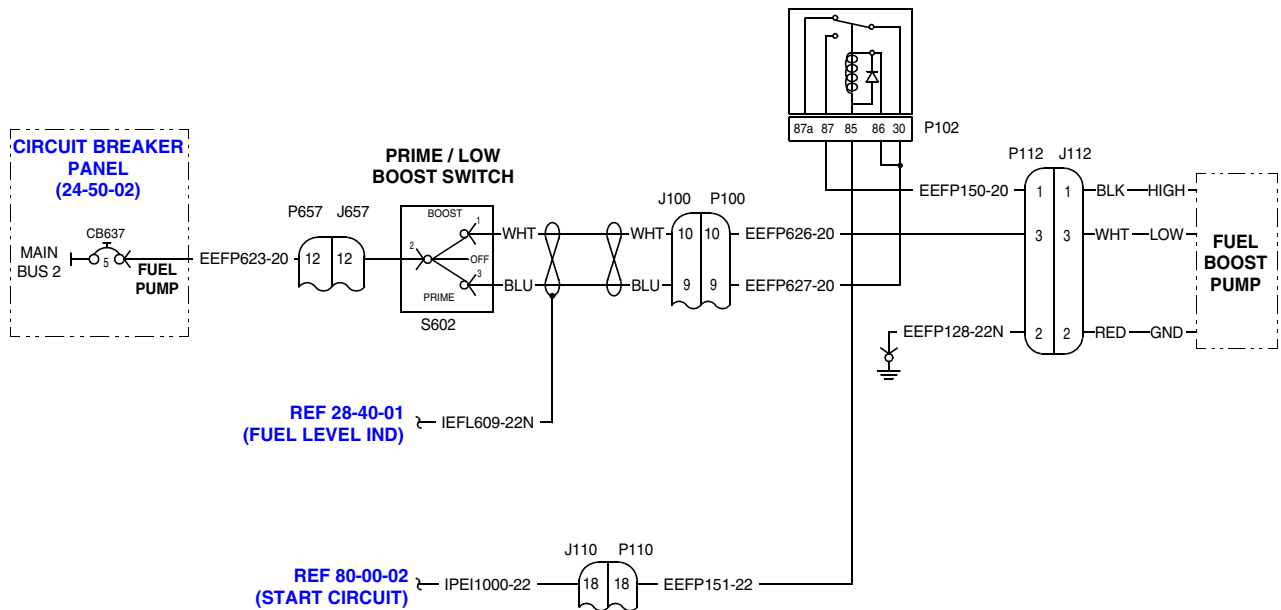
Refer to 91-10-00 for connector and pin information.

1 Airplanes with dual alternator only.

WM11710_03

Figure-01
Fuel Distribution System - Serials 1228 thru 1267

EFFECTIVITY:
Serials 1228 thru 1267



NOTES

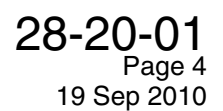
Refer to 91-10-00 for connector and pin information.

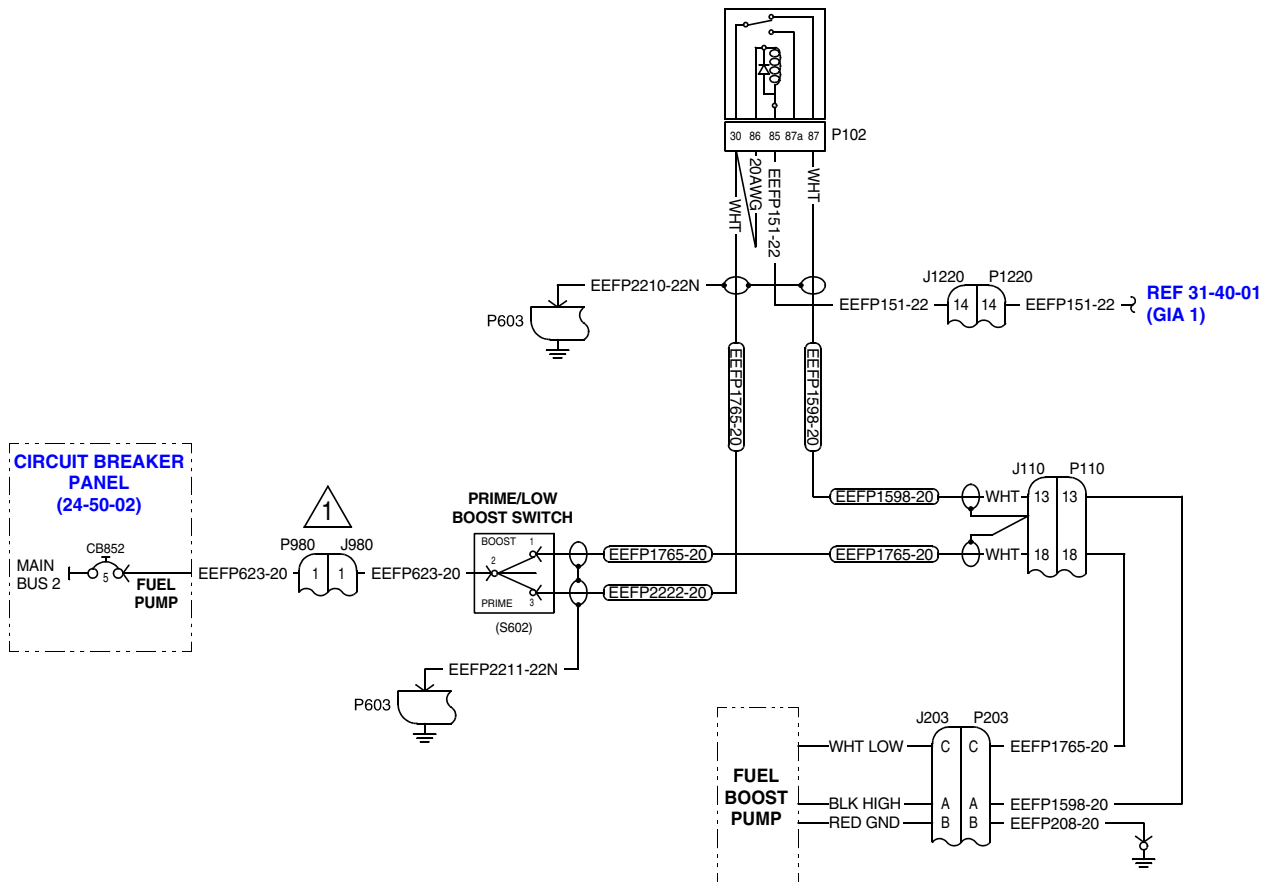
WM15394_01A

Figure-01
Fuel Distribution System - Serials 1268 thru 1581

EFFECTIVITY:
Serials 1268 thru 1581

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NOTE

Refer to 91-10-00 for connector and pin information.

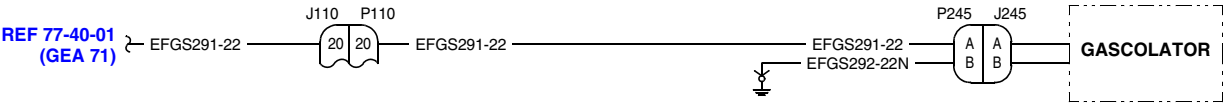
1 Serials 2016 thru 2155: connector is labeled P1980 & J1980.

Figure-01

Fuel Distribution System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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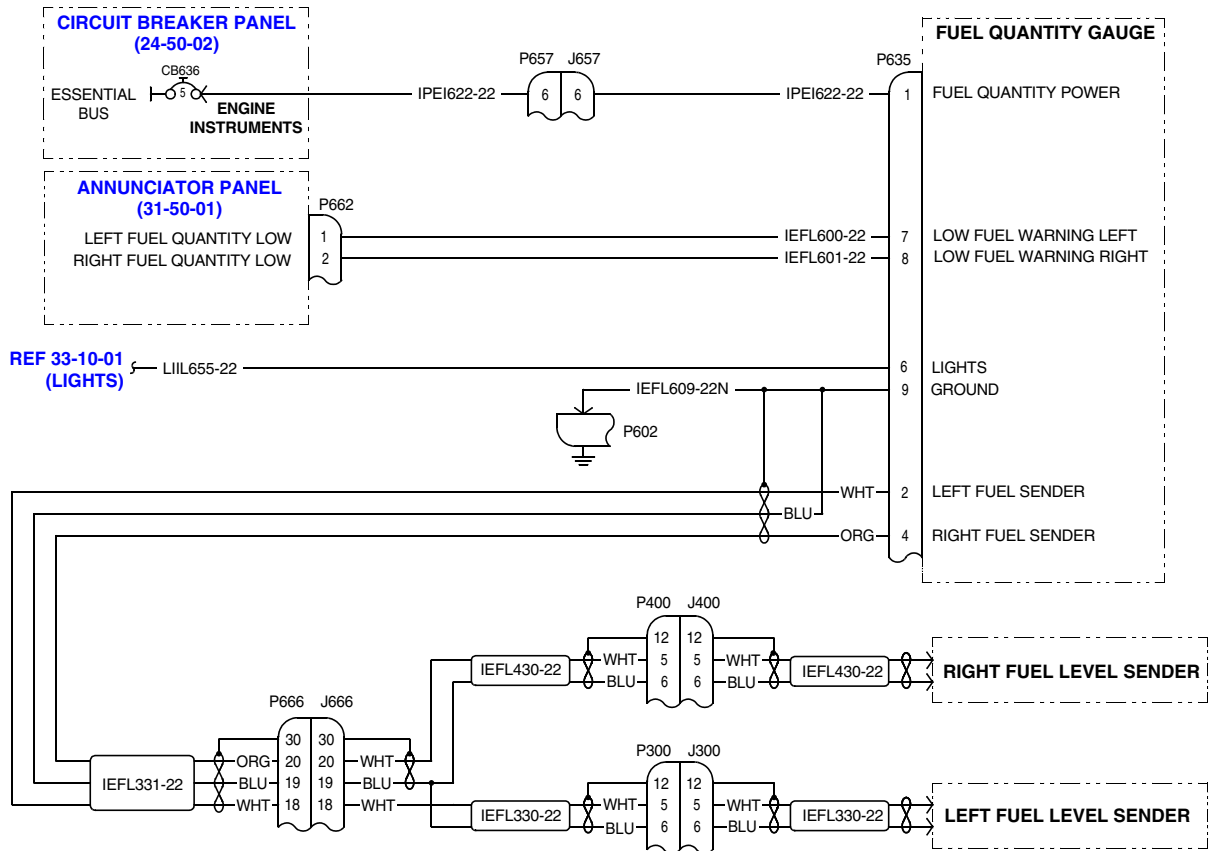
NOTES

Refer to 91-10-00 for connector and pin information.

WM24547_03

Figure-02
Gascolator - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics



NOTES

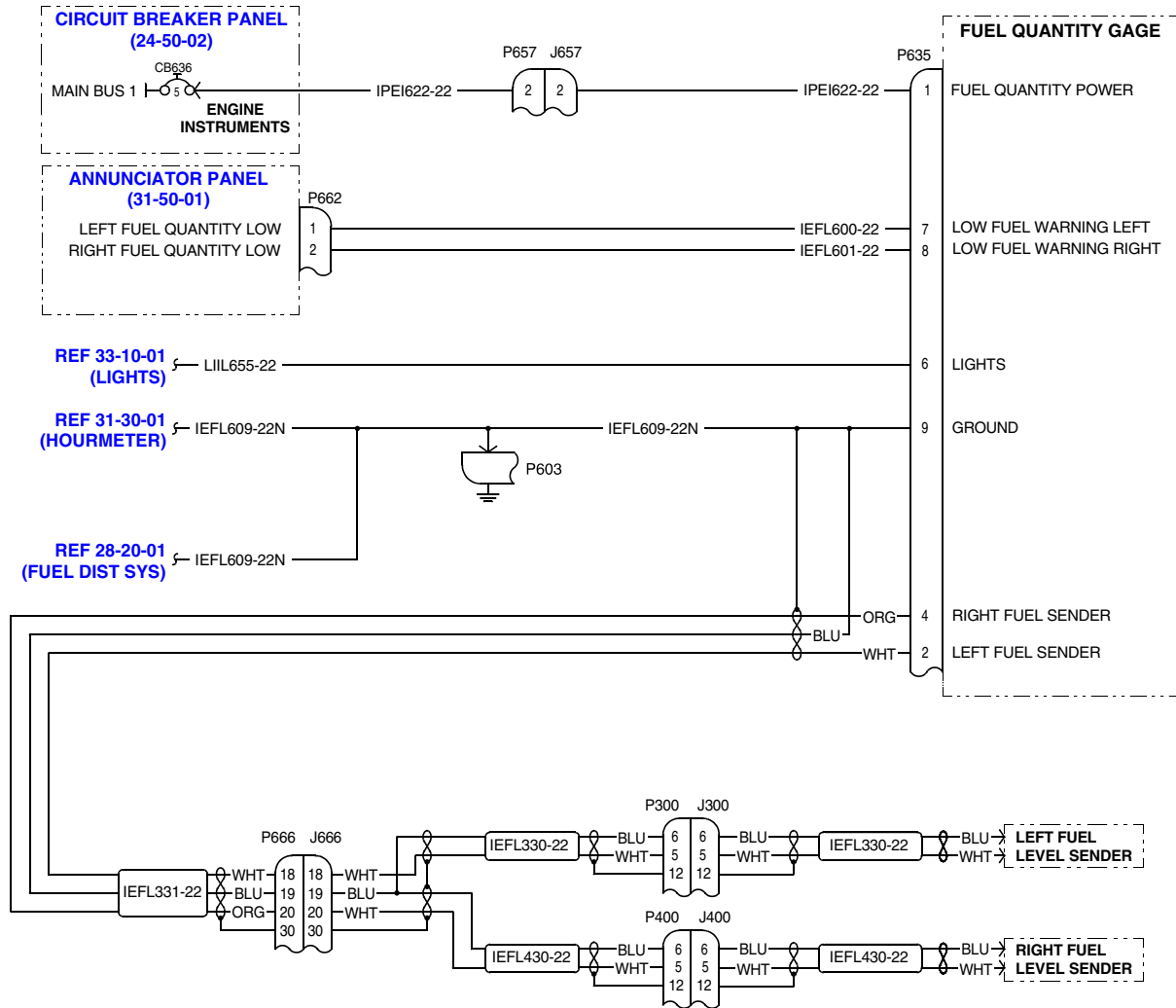
Refer to 91-10-00 for connector and pin information.

WM11710_02A

Figure-01
Fuel Level Indicating System - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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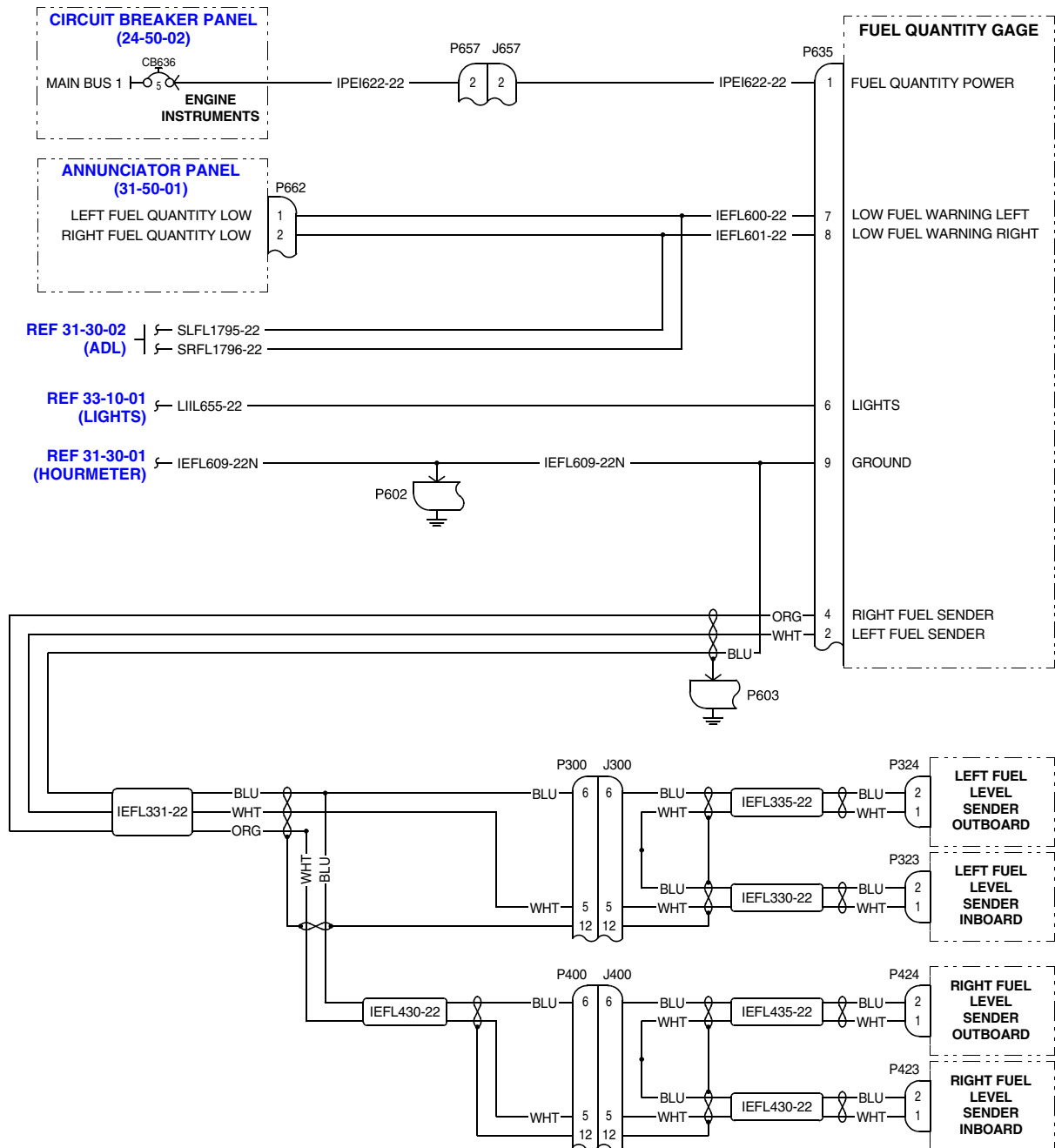
NOTES

Refer to 91-10-00 for connector and pin information.

WM15394_02A

Figure-01
Fuel Level Indicating System - Serials 1268 thru 1877, 1879 thru 1885

EFFECTIVITY:
Serials 1268 thru 1877, 1879 thru 1885



NOTES

Refer to 91-10-00 for connector and pin information.

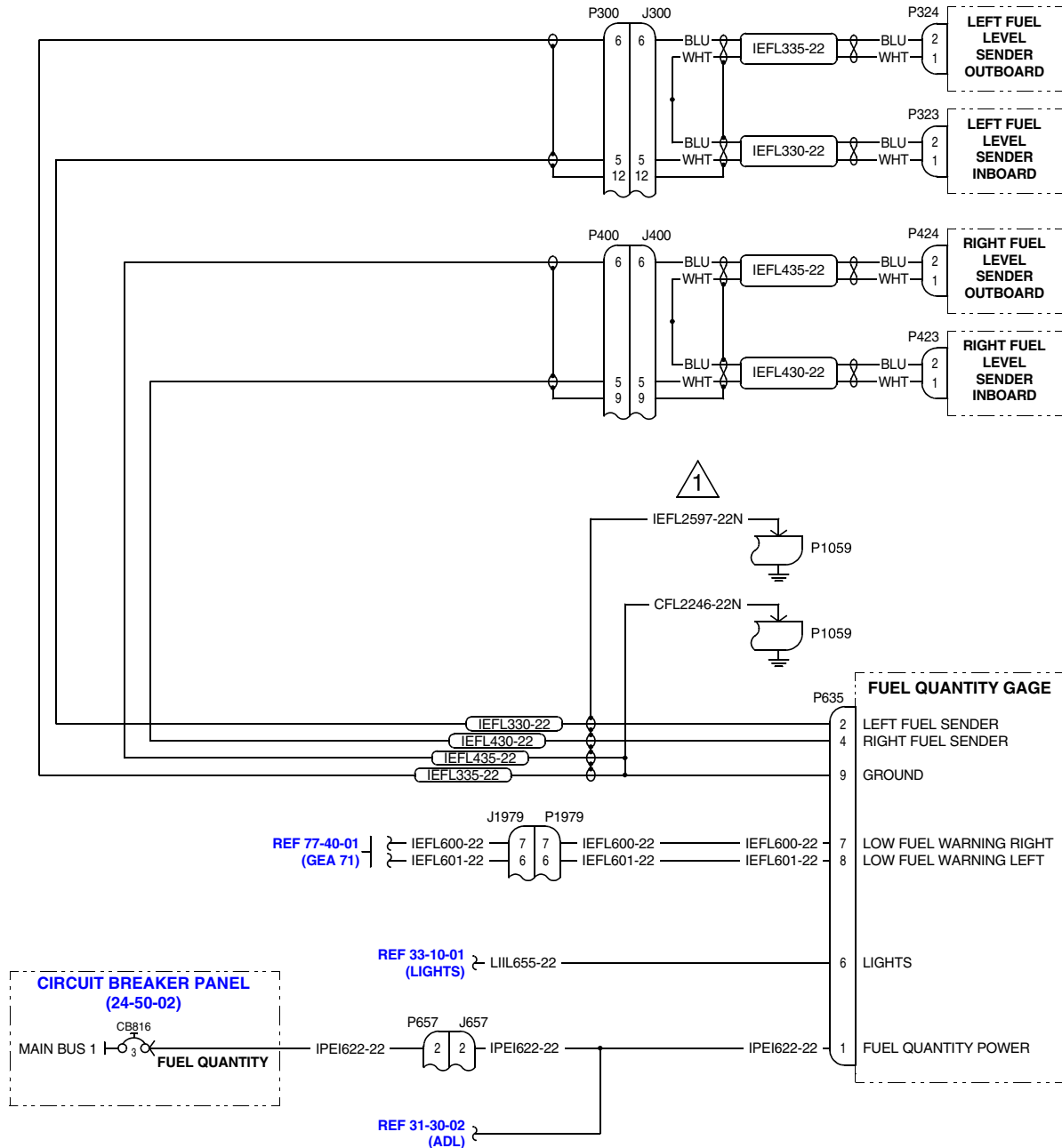
WM18527_04

Figure-01

Fuel Level Indicating System - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2064; wire is labeled IEFL2244-22N.

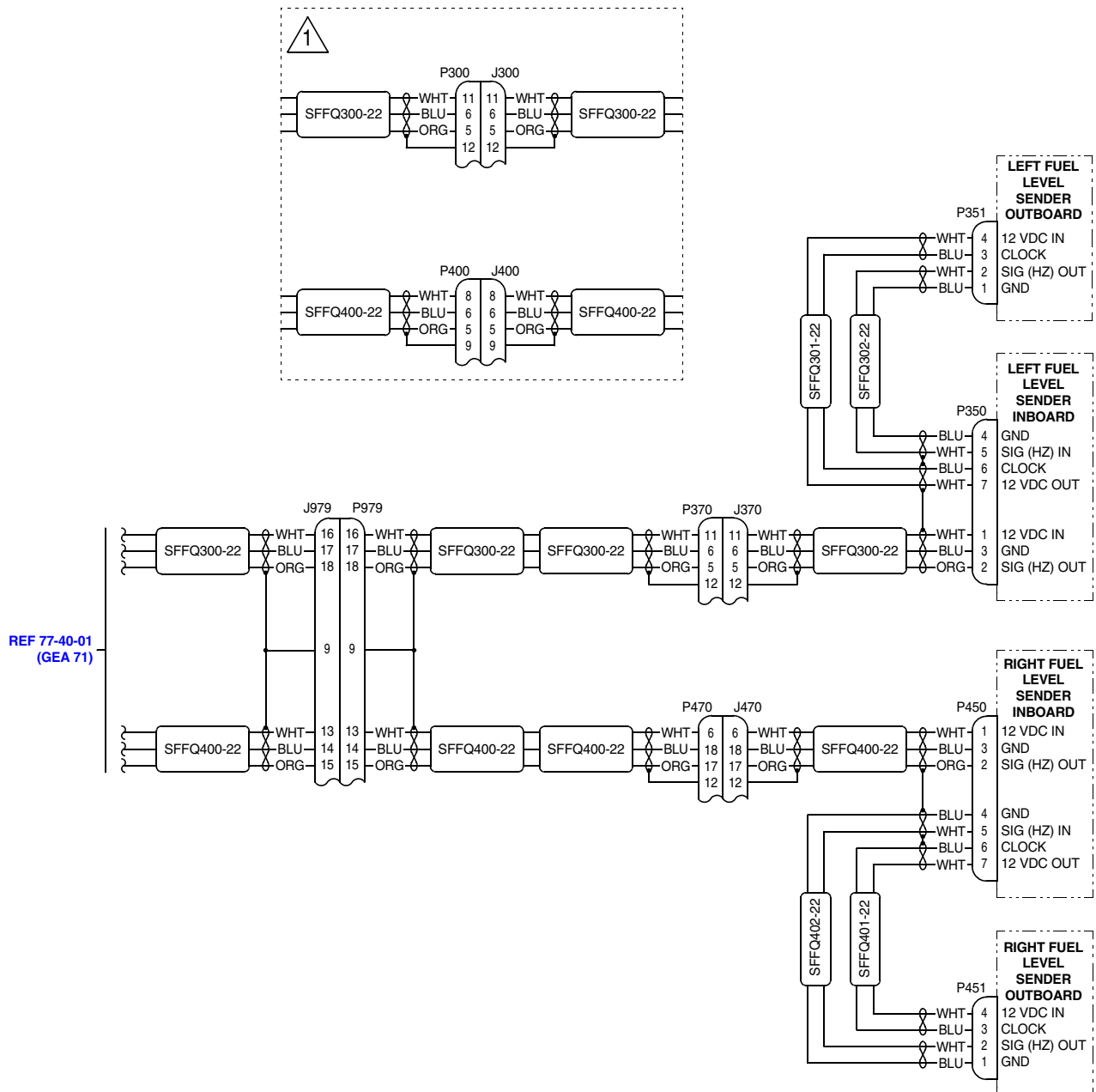
WM24562_01A

Figure-01

Fuel Level Indicating System - Serials 2016 thru 2155 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2156 thru 2240.

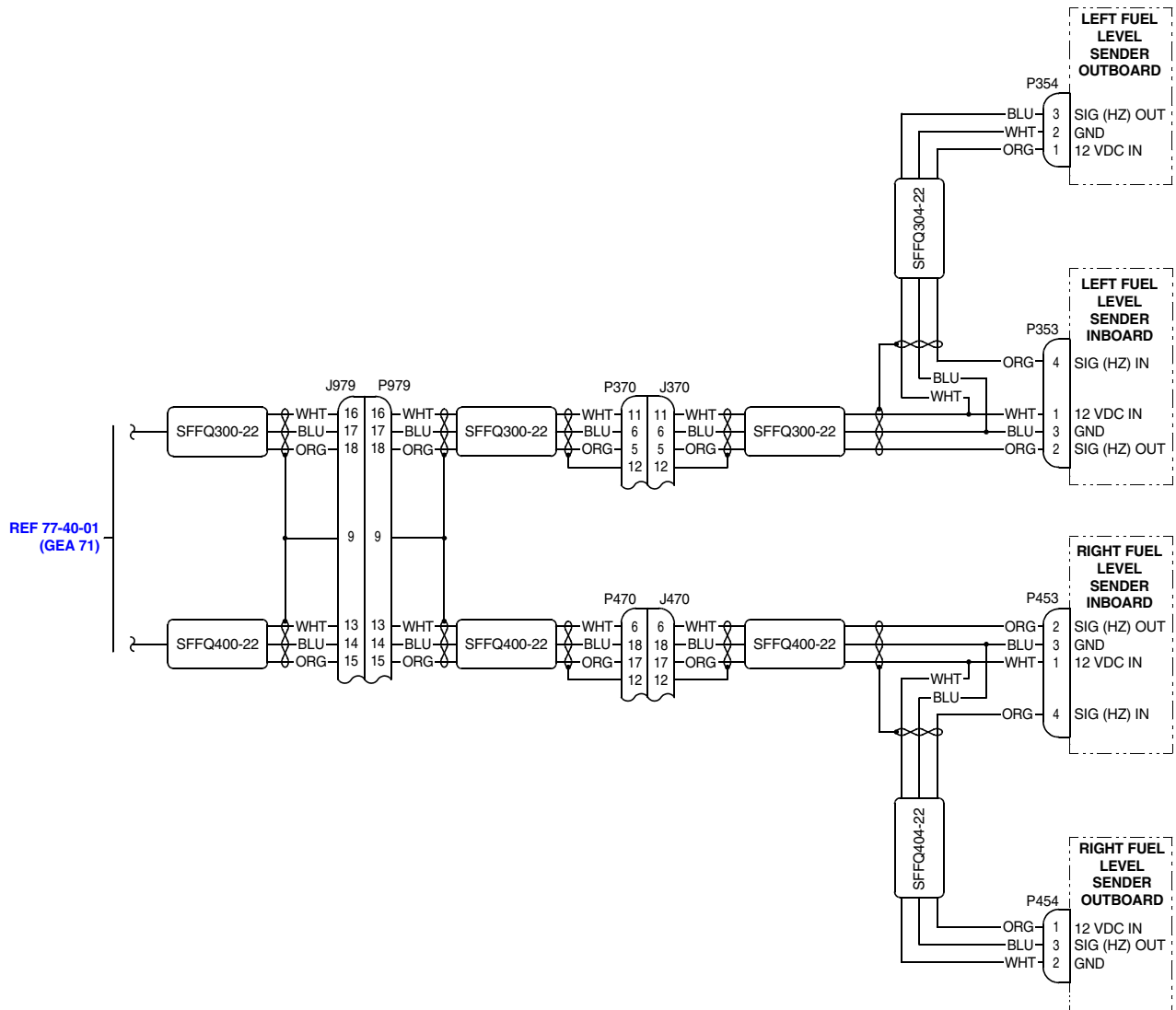
WM26331_01A

Figure-01

Fuel Level Indicating System - Serials 2156 thru 2292 w/ Perspective Avionics

EFFECTIVITY:
Serials 2156 thru 2292 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM26331_05

Figure-01
Fuel Level Indicating System - Serials 2293 & subs

EFFECTIVITY:
Serials 2293 & subs

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CHAPTER

31

**INDICATING AND
RECORDING**

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31-60-02	8	19 SEP 2010
31-60-02	9	01 MAY 2012
31-60-02	10	01 JAN 2016
31-60-03	1	19 SEP 2010

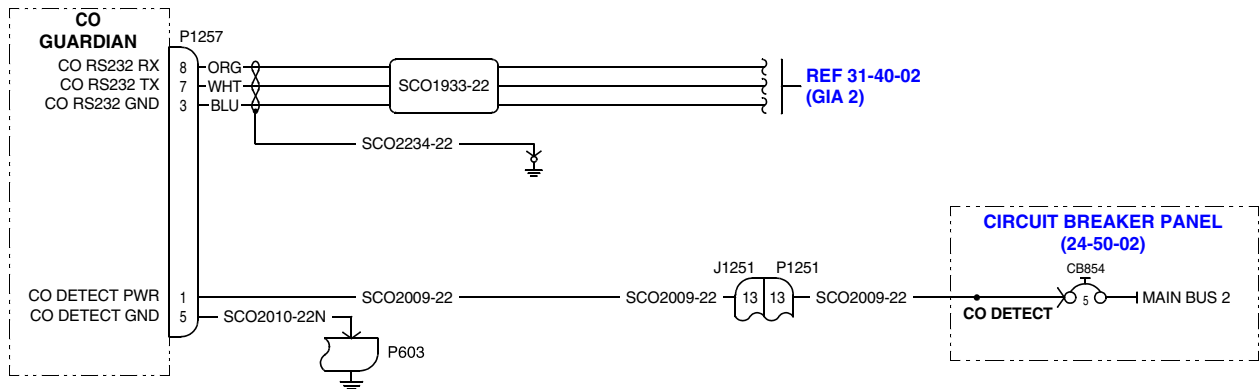
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GIA 2 - Integrated Avionics - Serials 2241 & subs w/ Perspective Avionics (1 of 2)	31-40-02
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Reversionary Switch - Serials 2016 & subs w/ Perspective Avionics	31-60-03



NOTES

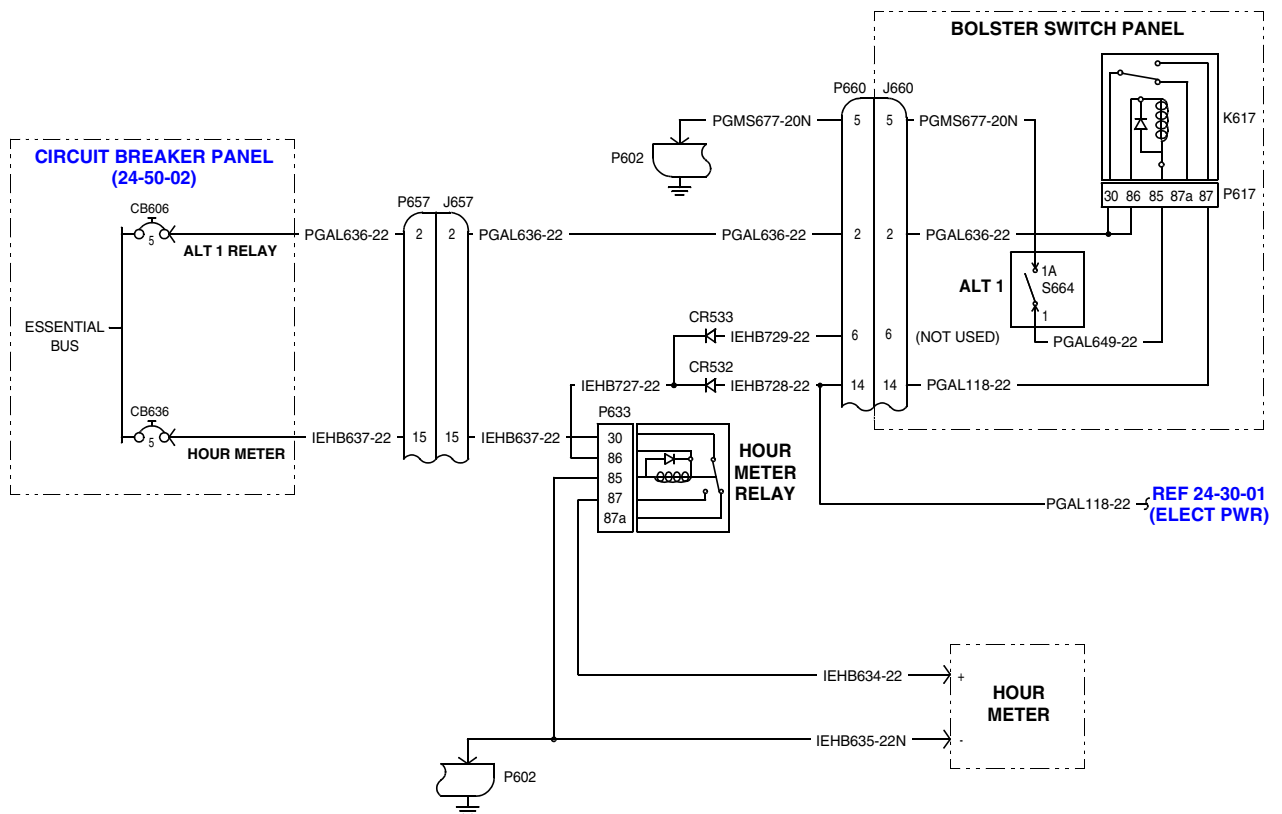
Refer to 91-10-00 for connector and pin information.

WM24570_09

Figure-01
Co Detector - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM12986_01A

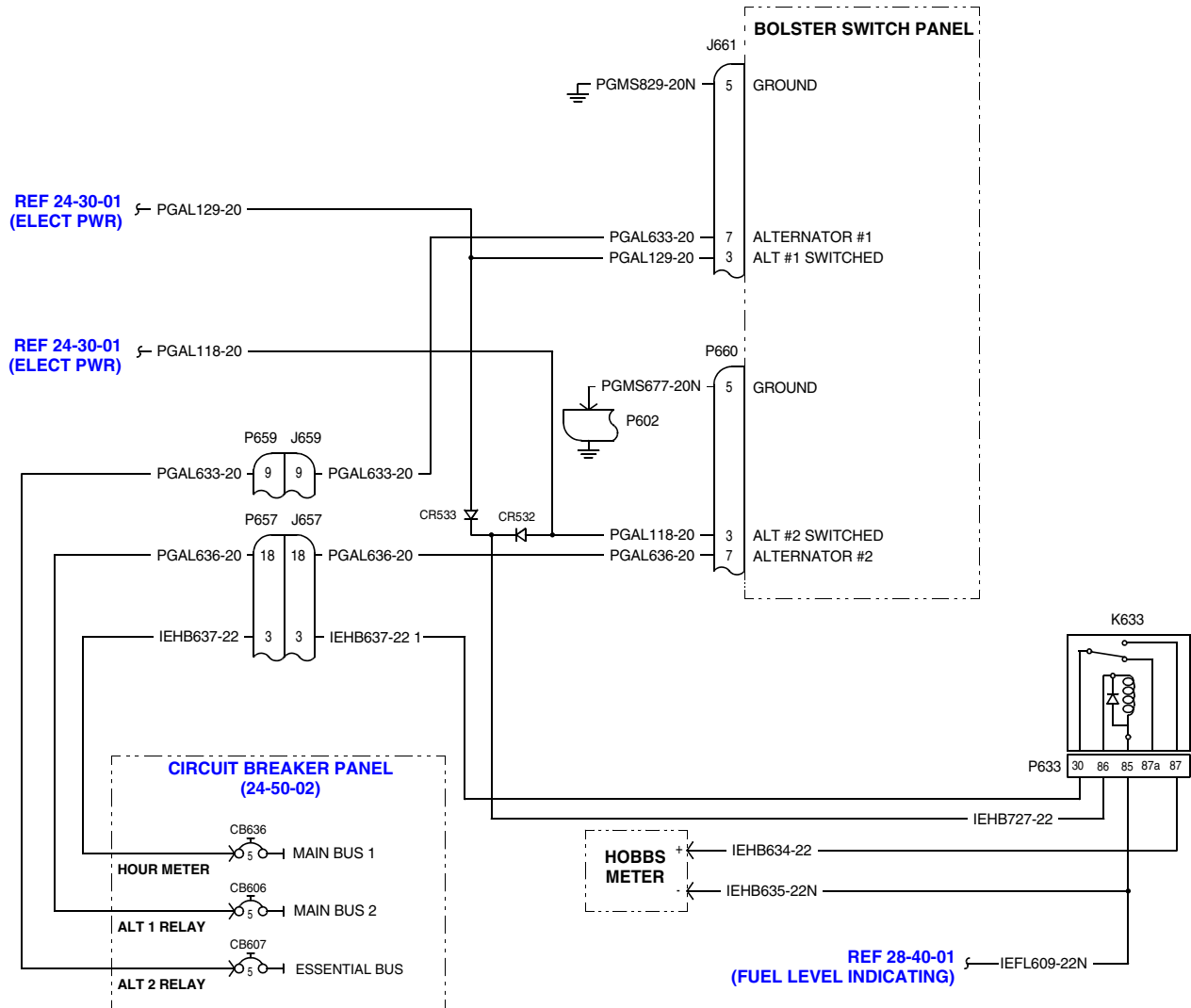
Figure-01
Hourmeter - Serials 1005 thru 1267 W/ 1 ALT.

EFFECTIVITY:
Serials 1005 thru 1267 W/ 1 ALT.



WM12986_02A

EFFECTIVITY:
Serials 1005 thru 1267 W/ 2 ALT.



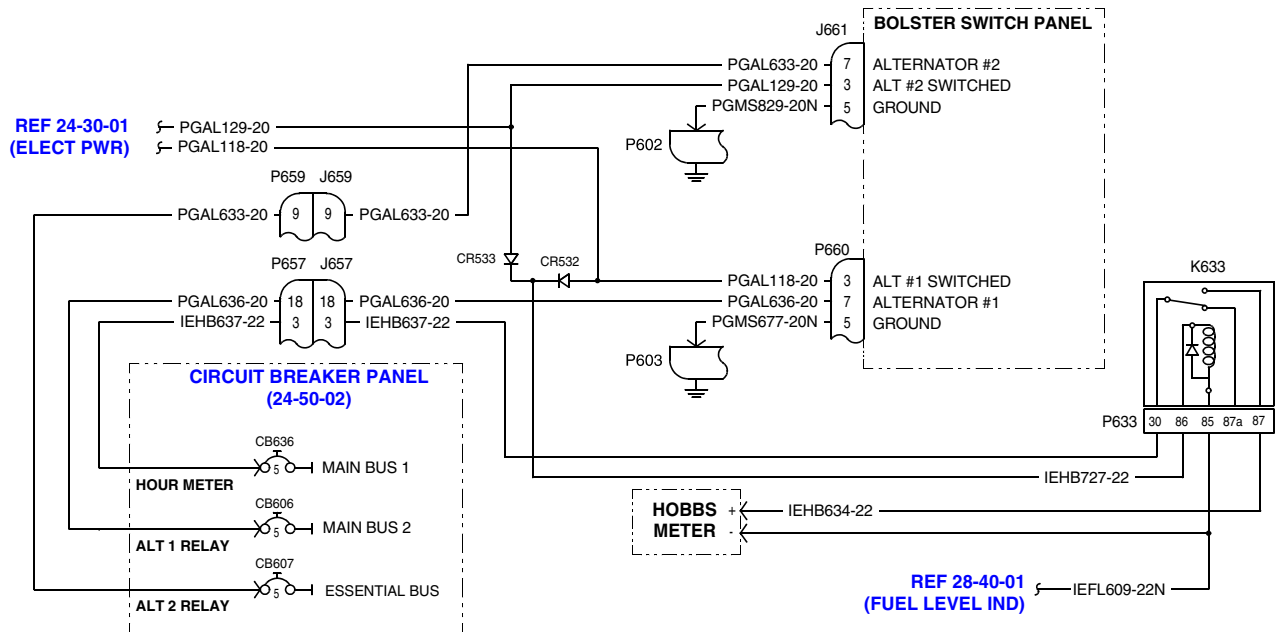
NOTES

Refer to 91-10-00 for connector and pin information.

WM15394_03

Figure-01
Hourmeter - Serials 1268 thru 1581

EFFECTIVITY:
Serials 1268 thru 1581



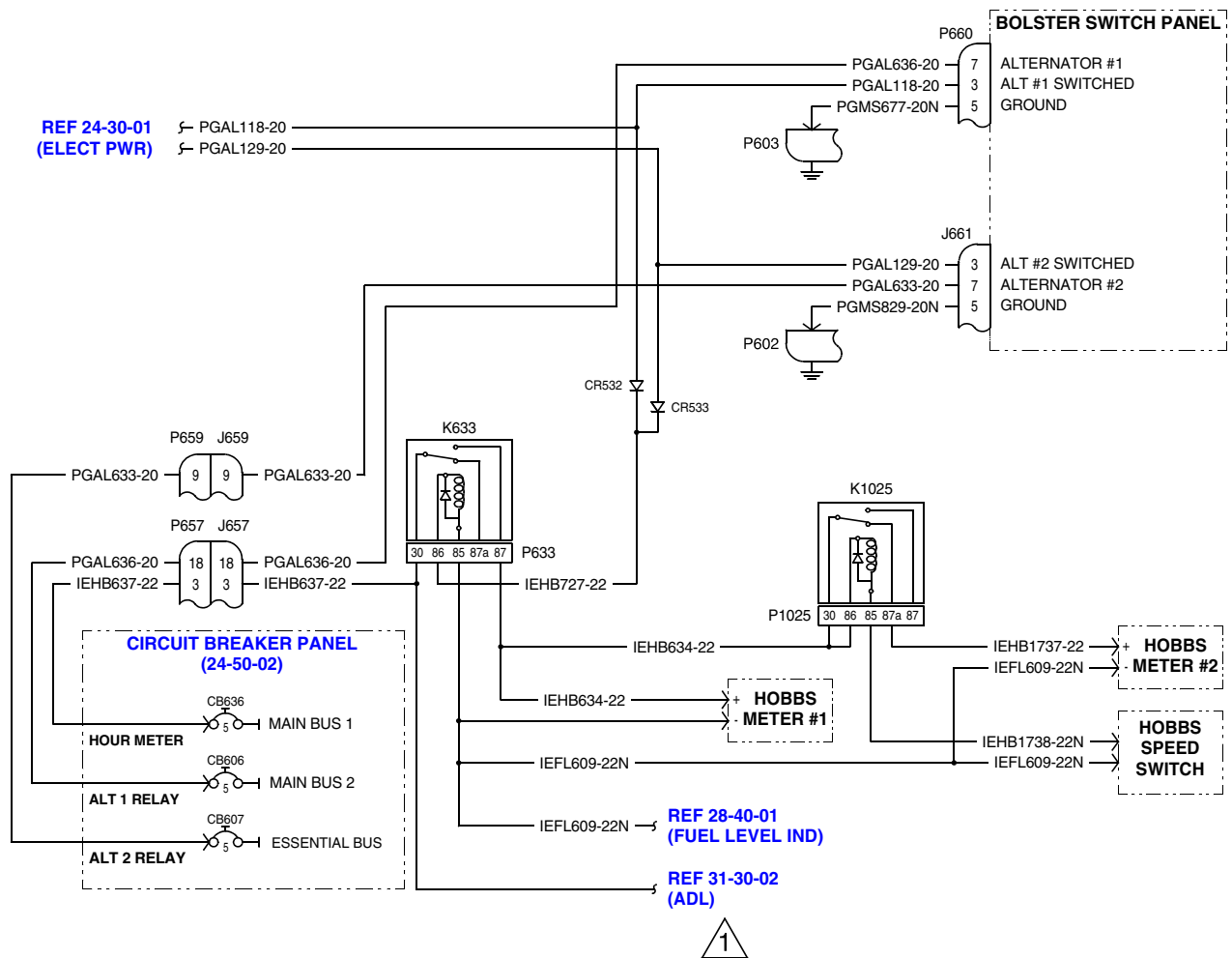
NOTES

Refer to 91-10-00 for connector and pin information.

WM16704_04

Figure-01
Hourmeter - Serials 1582 thru 1632, 1634 thru 1638

EFFECTIVITY:
Serials 1582 thru 1632, 1634 thru 1638



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 1878, 1886 & subs.

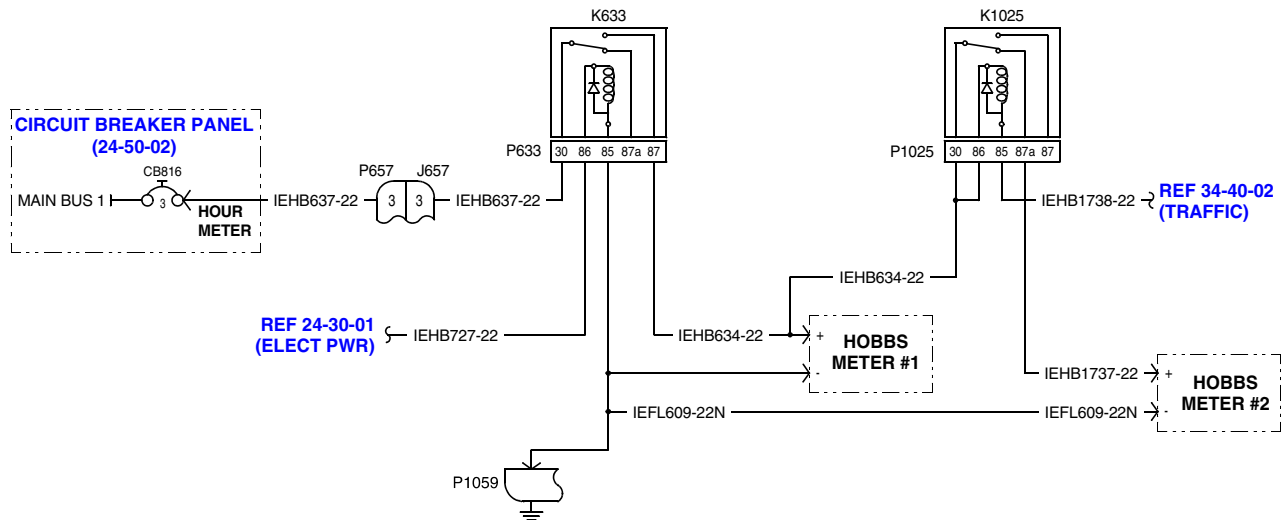
WM16704_09A

Figure-01

Hourmeter - Serials 1633, 1639 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1633, 1639 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

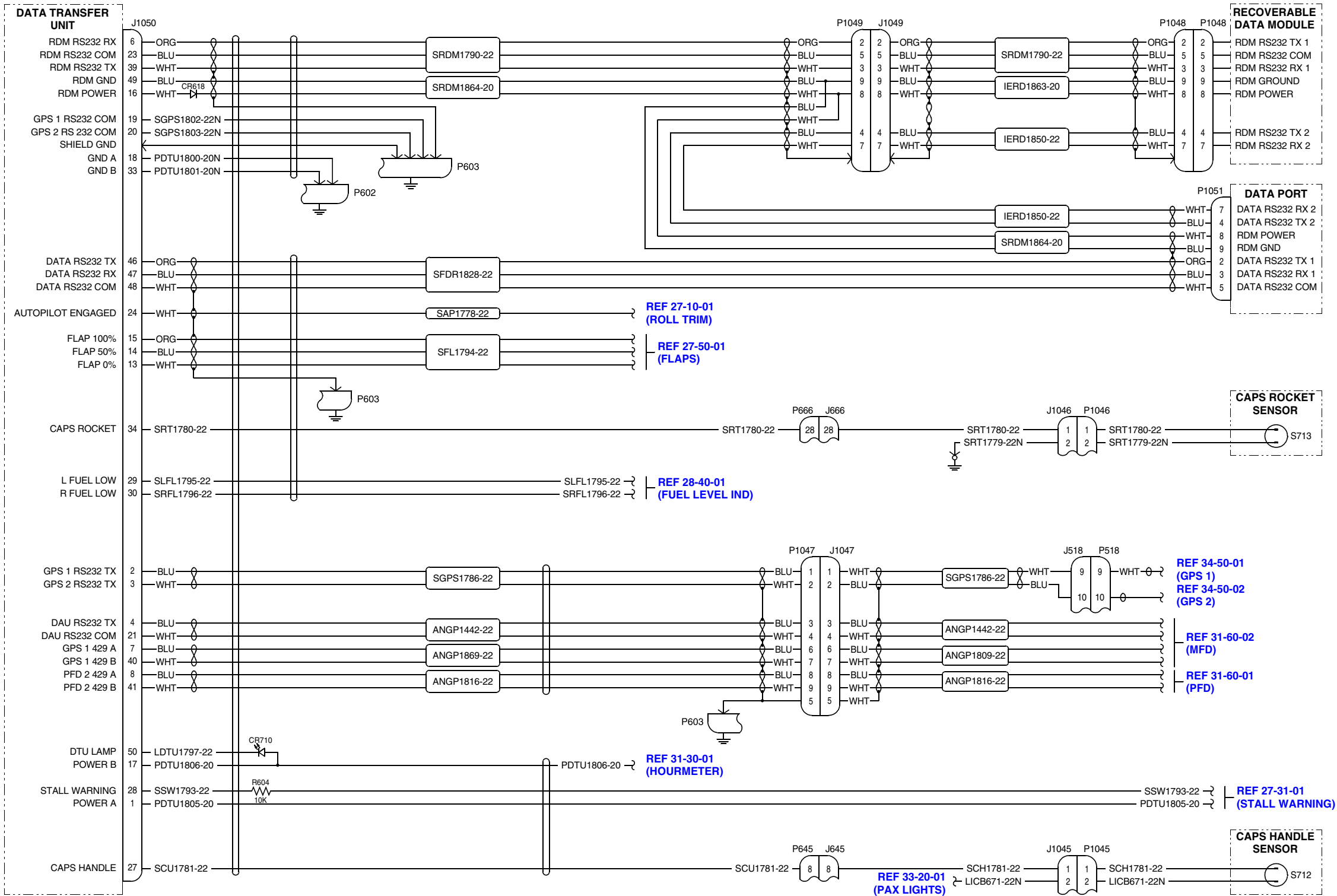
WM24562_11

Figure-01
Hourmeter - Serials 2016 thru 2064 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2064 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

Figure-02
Aircraft Data Logger - Serials 1878, 1886 & subs w/o Perspective Avionics



1 *Serials w/ System 55 Autopilot.*

2 *Serials w/ Configuration "S" (USAFA).*

Figure-02

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics



1 *Serials w/ System 55 Autopilot.*

2 *Serials w/ Configuration "S" (USAFA).*

3 *Serials 2156 thru 2240:* Connector is labeled J645, and P645.

4 *Serials 2241 thru 2302:* Connector is labeled J1470, and P1470.

 *Serials 2273 & subs.*

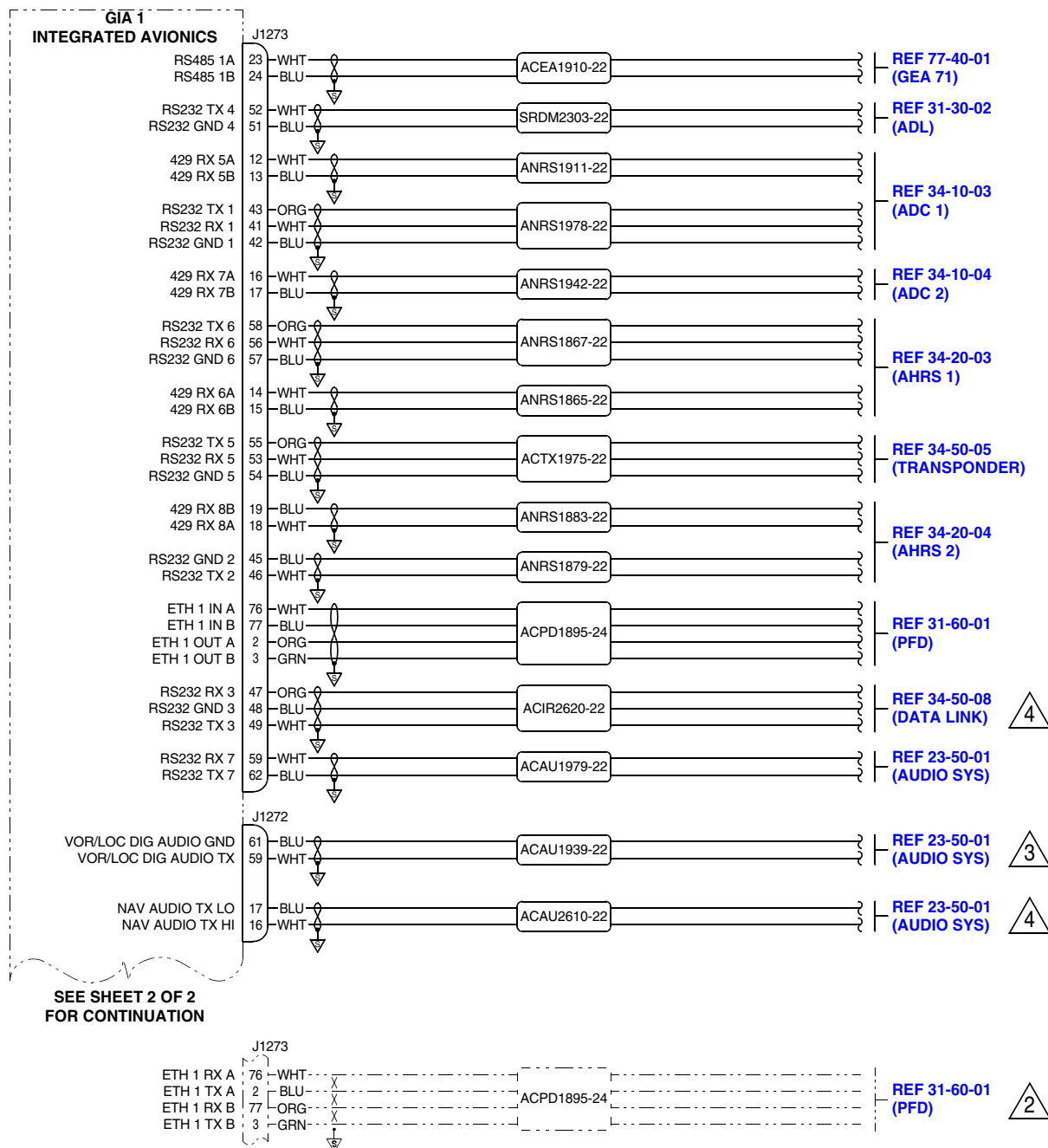
Figure-02

EFFECTIVITY:

Serials 2156 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials w/ GTS 800 (TAS).

2 Serials 2016 thru 2063.

3 Serials 2016 thru 2126.

4 Serials 2127 & subs.

5 Serials 2182 & subs.

WM24499_01C

Figure-01

GIA 1 - Integrated Avionics - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics (1 of 2)

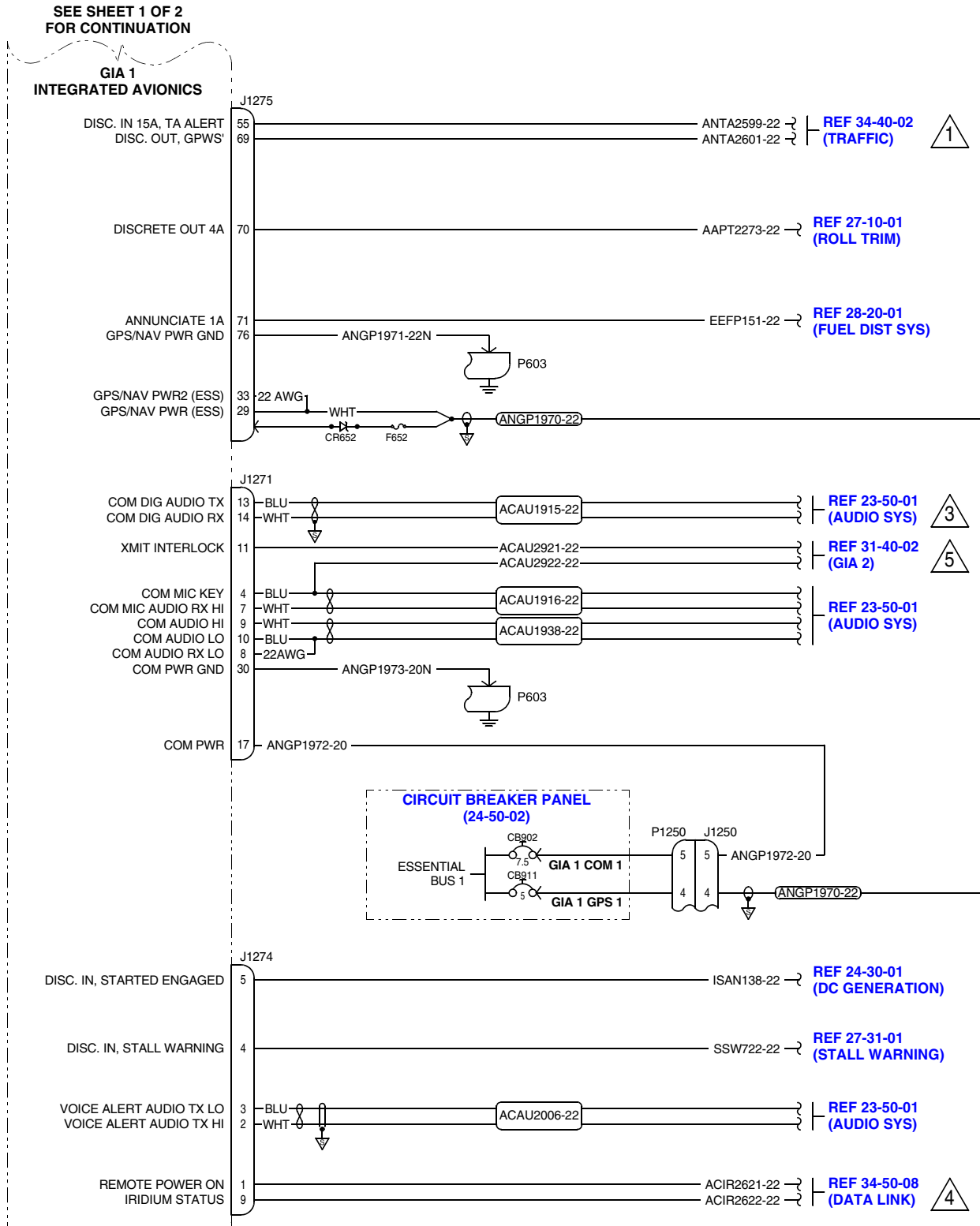
EFFECTIVITY:

Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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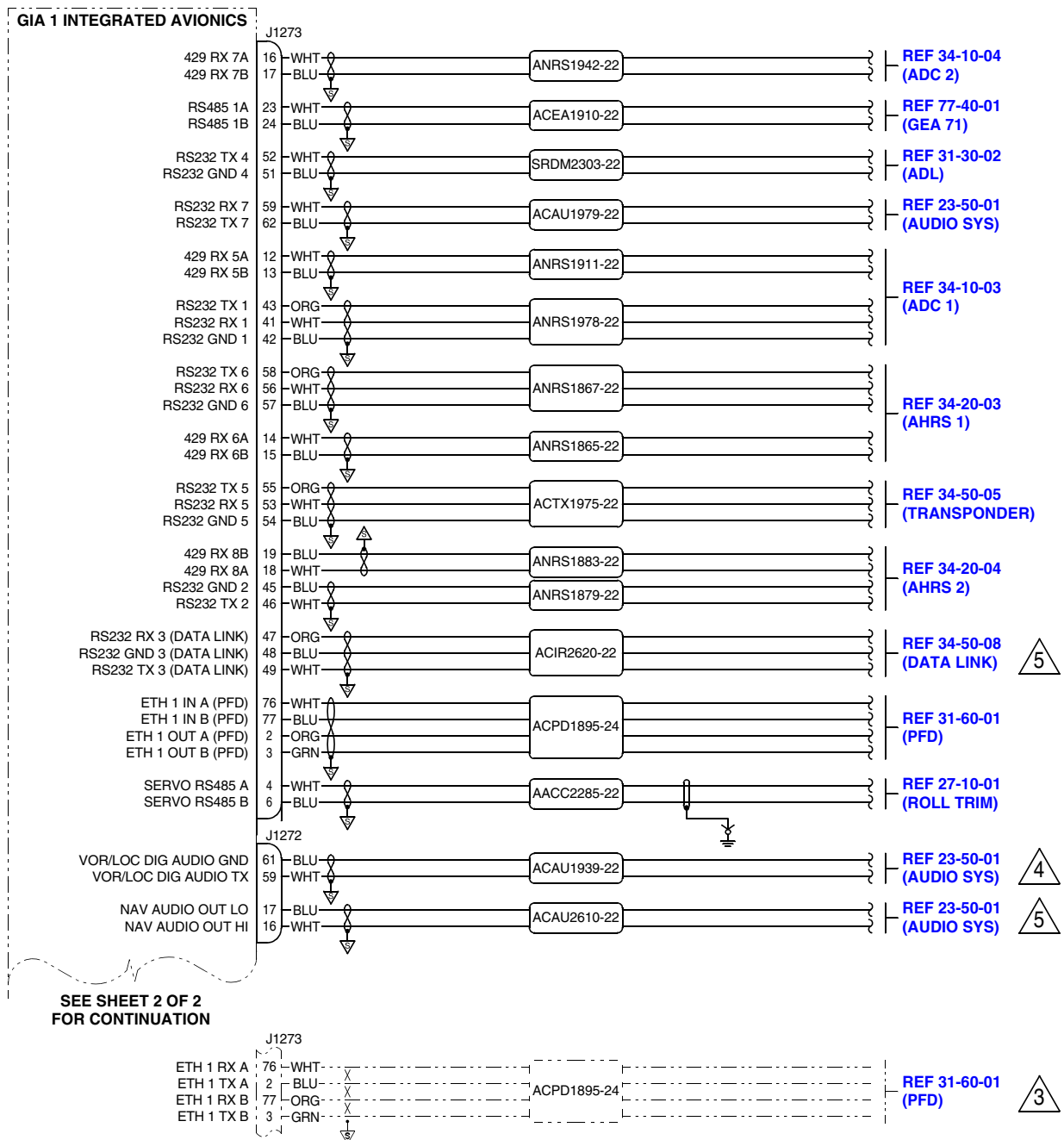
WM24499_08B

Figure-01

GIA 1 - Integrated Avionics - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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**NOTES**

Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2029: Connector is labeled P602.

2 Serials w/ GTS 800 (TAS).

3 Serials 2016 thru 2063.

4 Serials 2016 thru 2126.

5 Serials 2127 & subs.

6 Serials 2182 & subs.

7 Serials 2222 & subs.

WM24570_21C

Figure-01**GIA 1 - Integrated Avionics - Serials 2016 thru 2240 w/ Perspective Avionics (1 of 2)****EFFECTIVITY:**

Serials 2016 thru 2240 w/ Perspective Avionics

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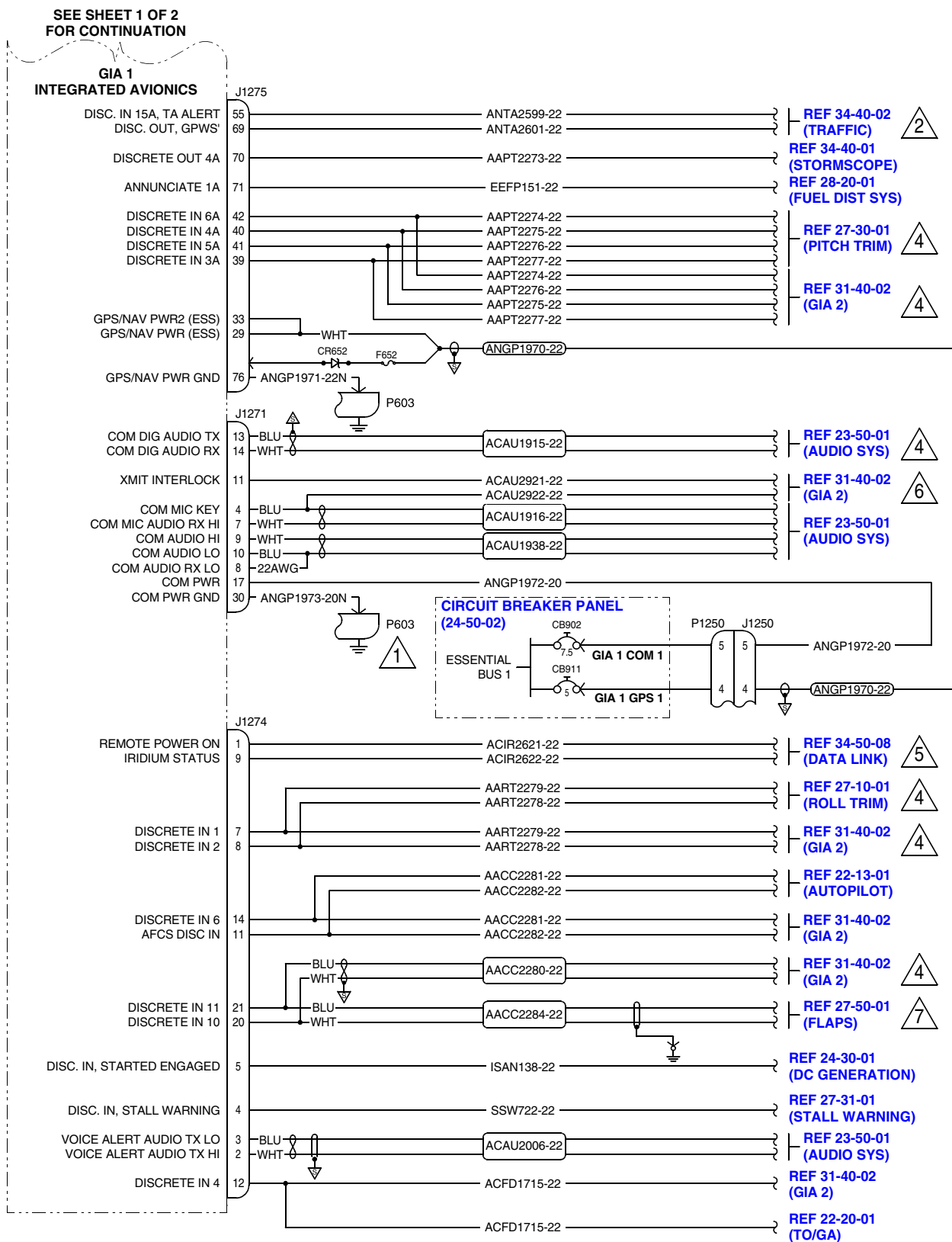
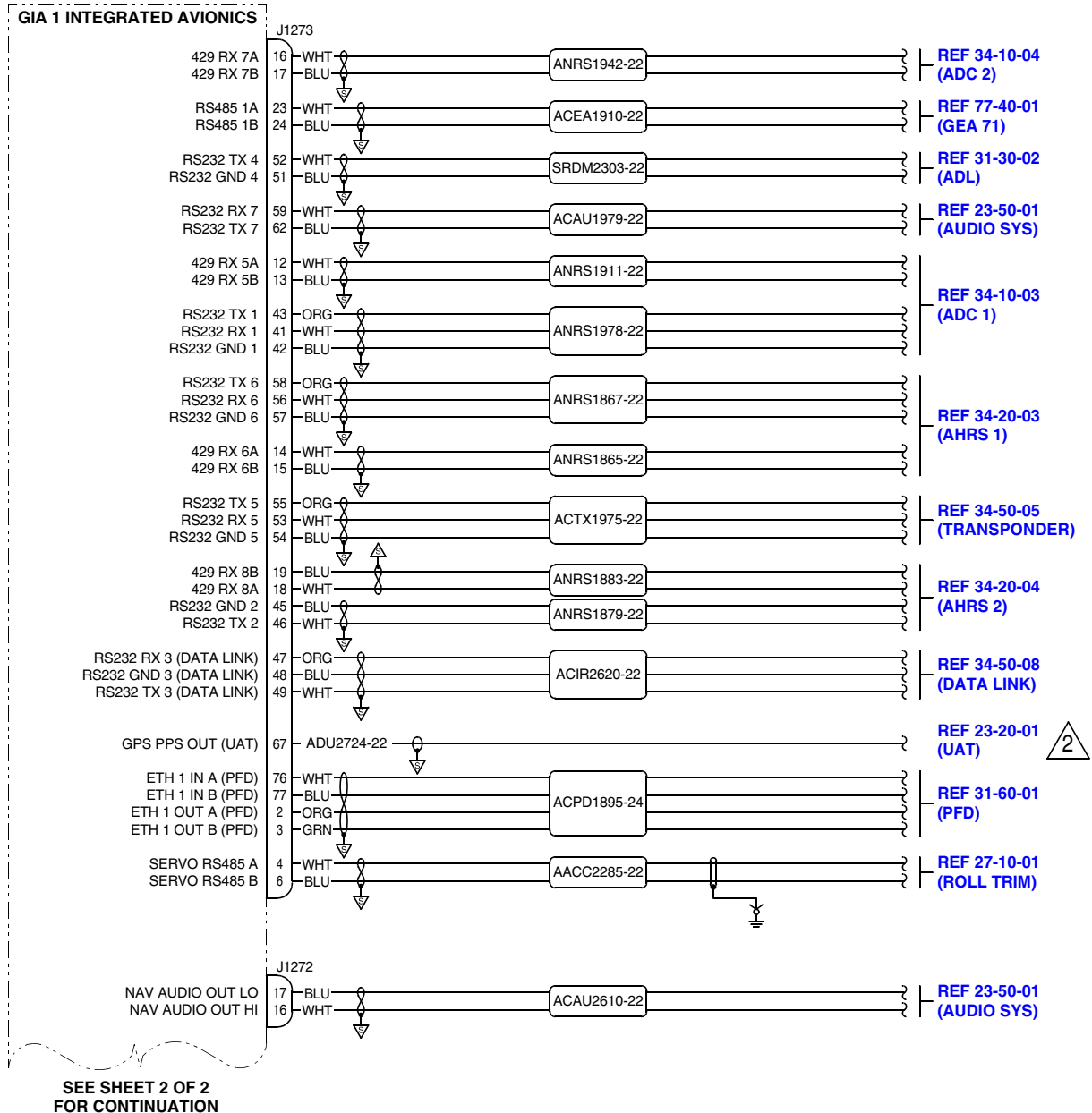


Figure-01

GIA 1 - Integrated Avionics - Serials 2016 thru 2240 w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 thru 2240 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

¹ Serials w/ GTS 800 (TAS).

² Serials 2303 & subs.

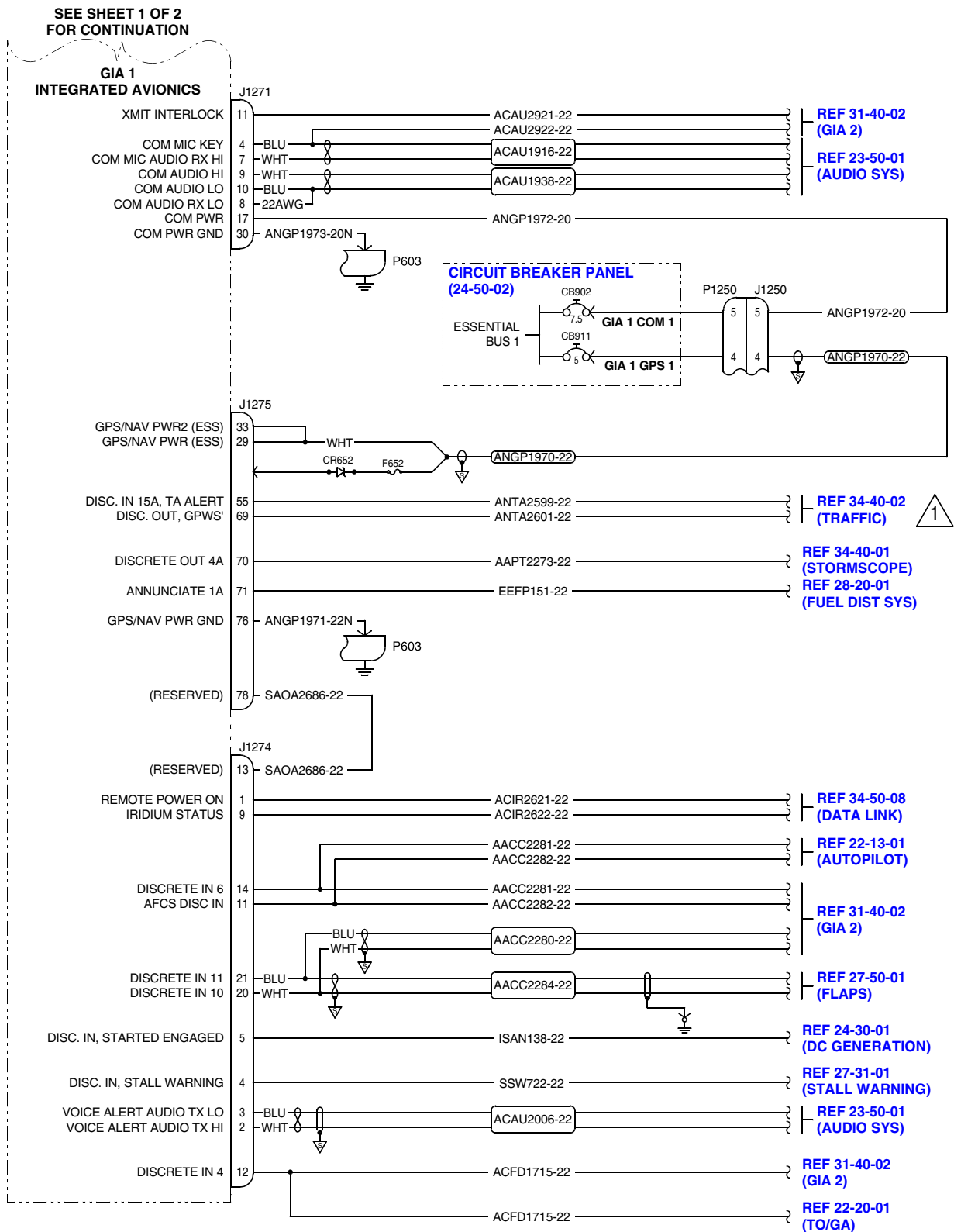
WM31622_01B

Figure-01

GIA 1 - Integrated Avionics - Serials 2241 & subs w/ Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 2241 & subs w/ Perspective Avionics

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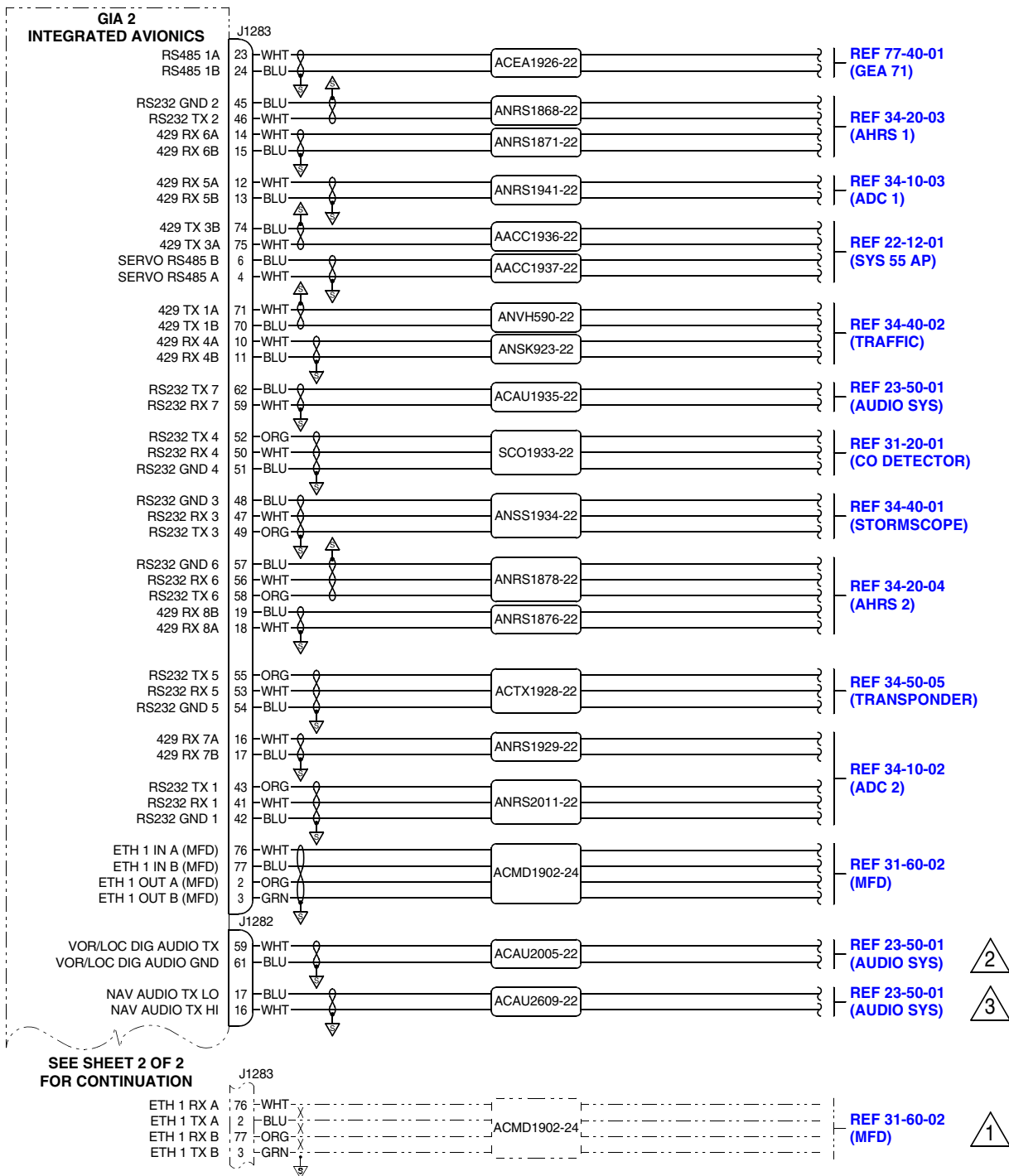
WM31622_02

Figure-01

GIA 1 - Integrated Avionics - Serials 2241 & subs w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2241 & subs w/ Perspective Avionics

31-40-01
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15 Dec 2014



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2063.

2 Serials 2016 thru 2126.

3 Serials 2127 & subs.

4 Serials w/ GTS 800 (TAS).

5 Serials 2182 & subs.

WM24499_03C

Figure-02

GIA 2 - Integrated Avionics - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics (1 of 2)

EFFECTIVITY:

Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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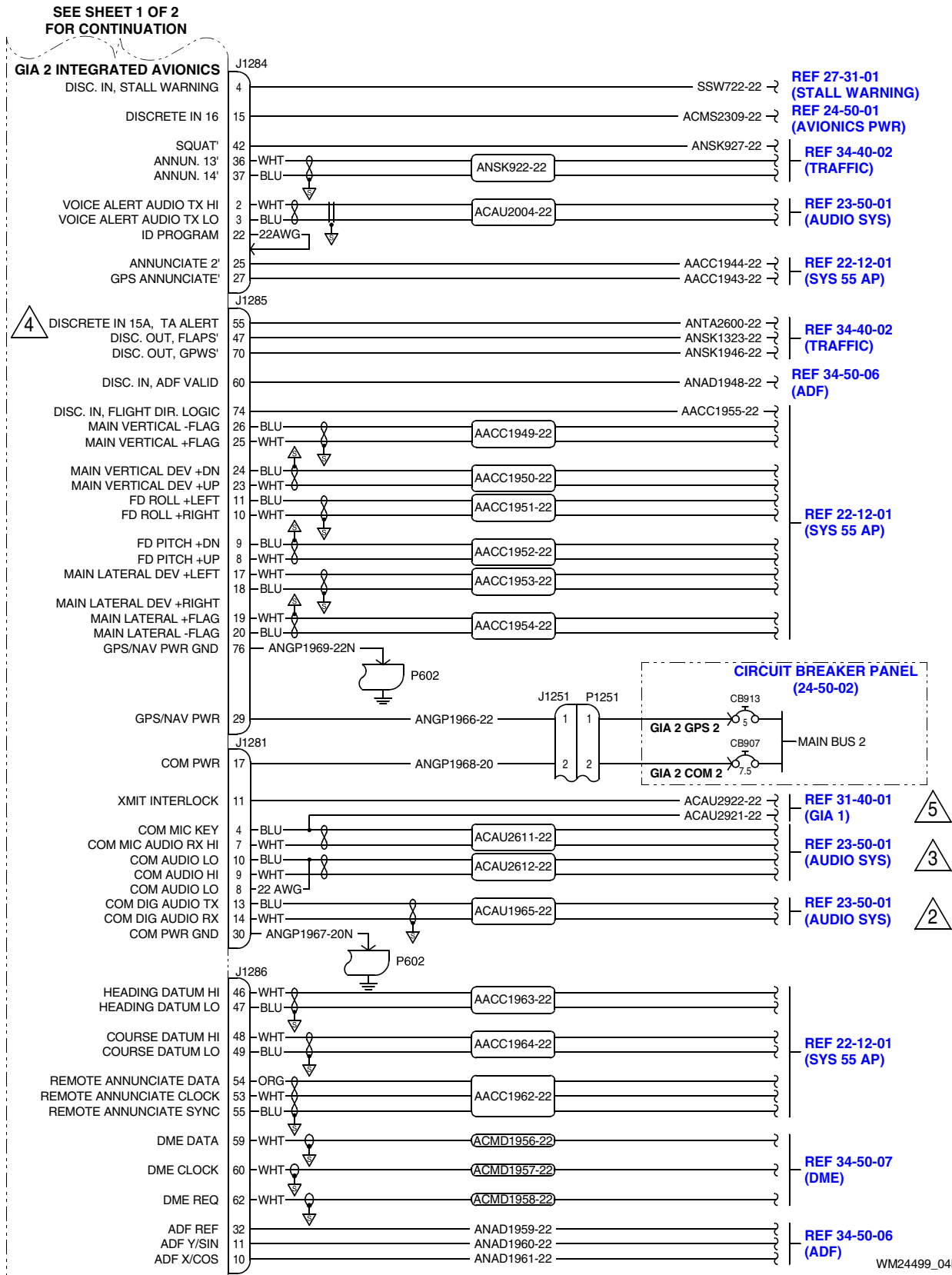


Figure-02

GIA 2 - Integrated Avionics - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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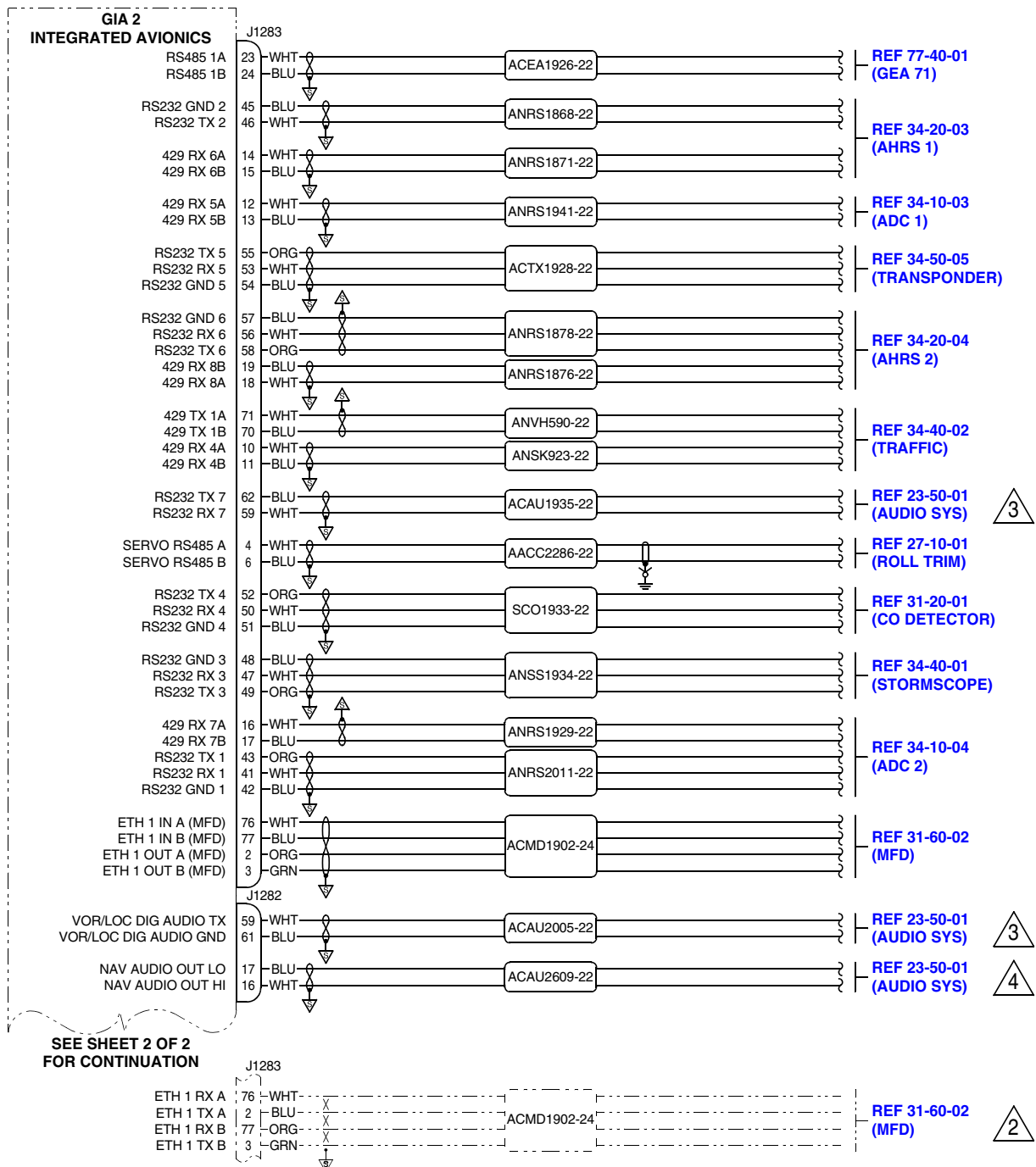
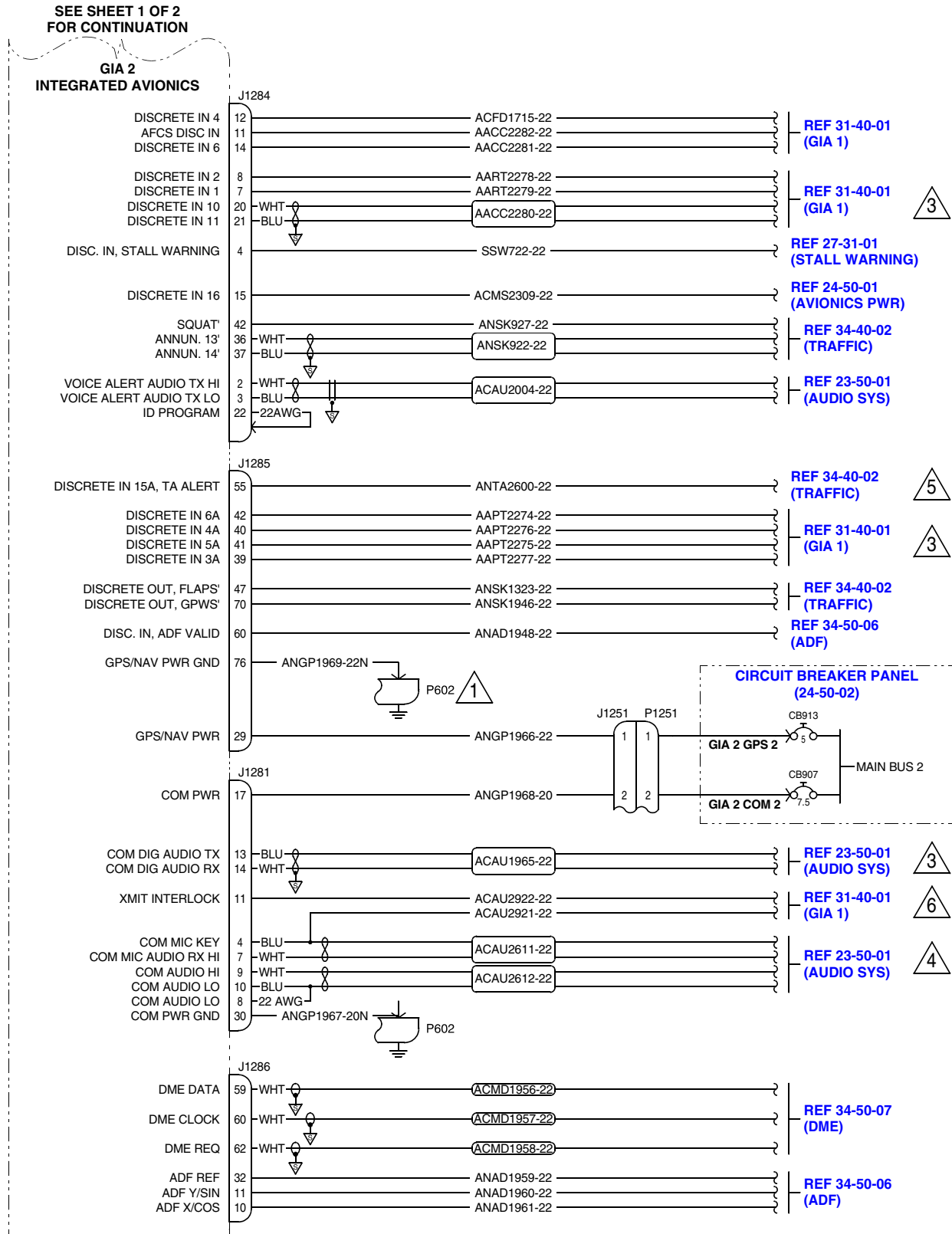


Figure-02

GIA 2 - Integrated Avionics - Serials 2016 thru 2240 w/ Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 2016 thru 2240 w/ Perspective Avionics

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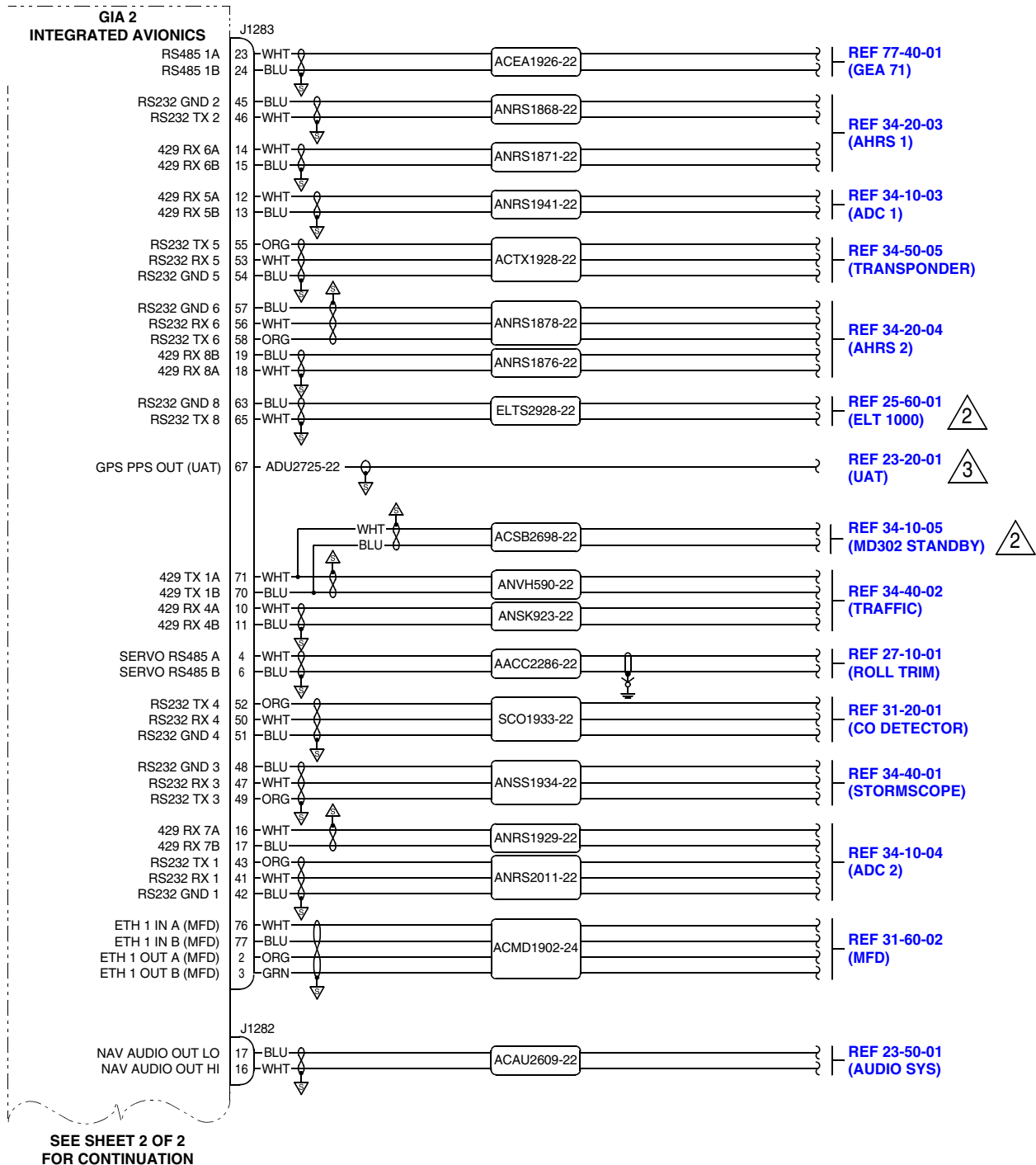


WM24570_27C

Figure-02

GIA 2 - Integrated Avionics - Serials 2016 thru 2240 w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 thru 2240 w/ Perspective Avionics31-40-02
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**NOTES**

Refer to 91-10-00 for connector and pin information.

1 Serials w/ GTS 800 (TAS).

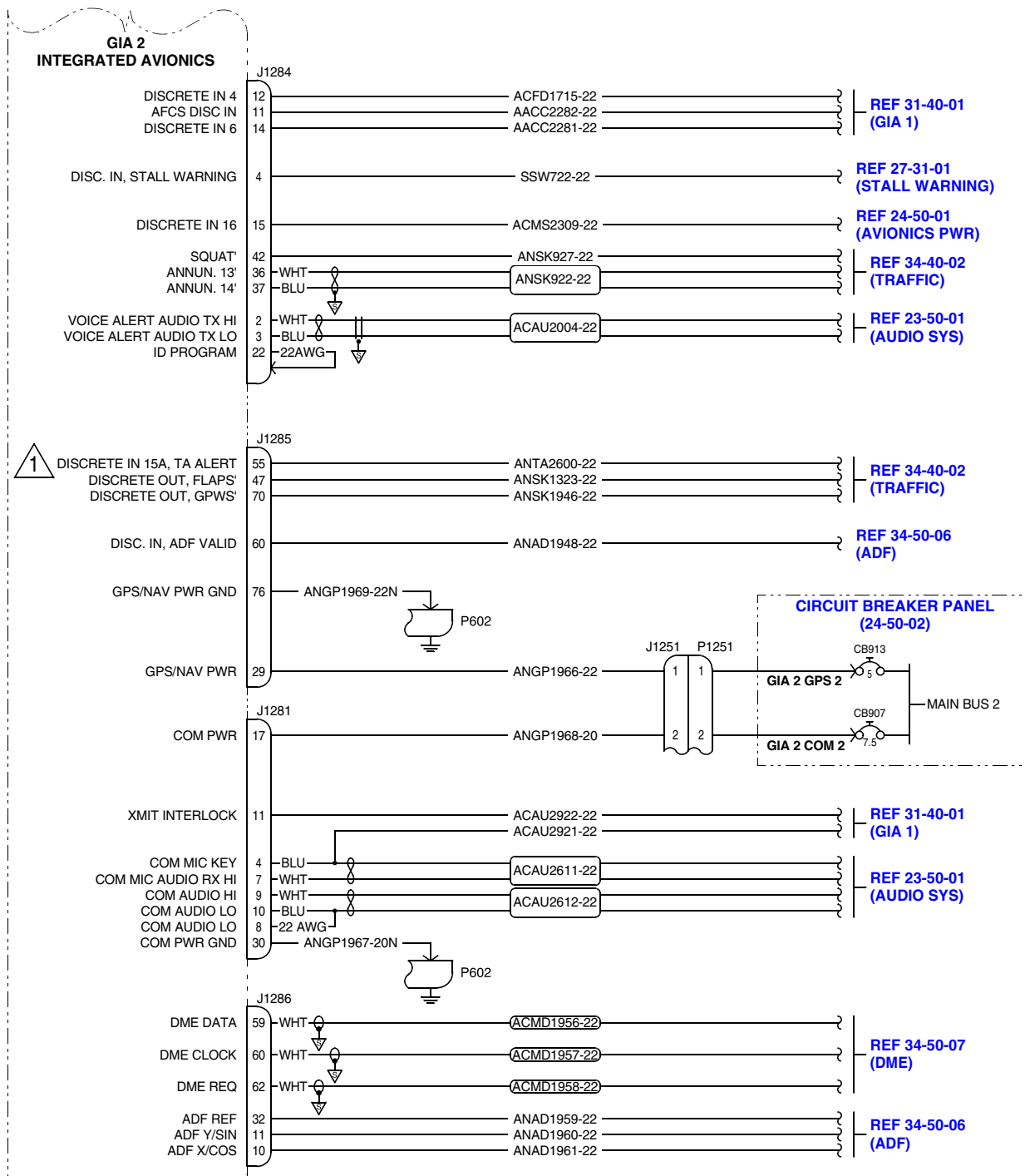
2 Serials 2273 & subs.

3 Serials 2303 & subs.

WM31622-05C

Figure-02**GIA 2 - Integrated Avionics - Serials 2241 & subs w/ Perspective Avionics (1 of 2)**EFFECTIVITY:
Serials 2241 & subs w/ Perspective Avionics**31-40-02**
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SEE SHEET 1 OF 2
FOR CONTINUATION



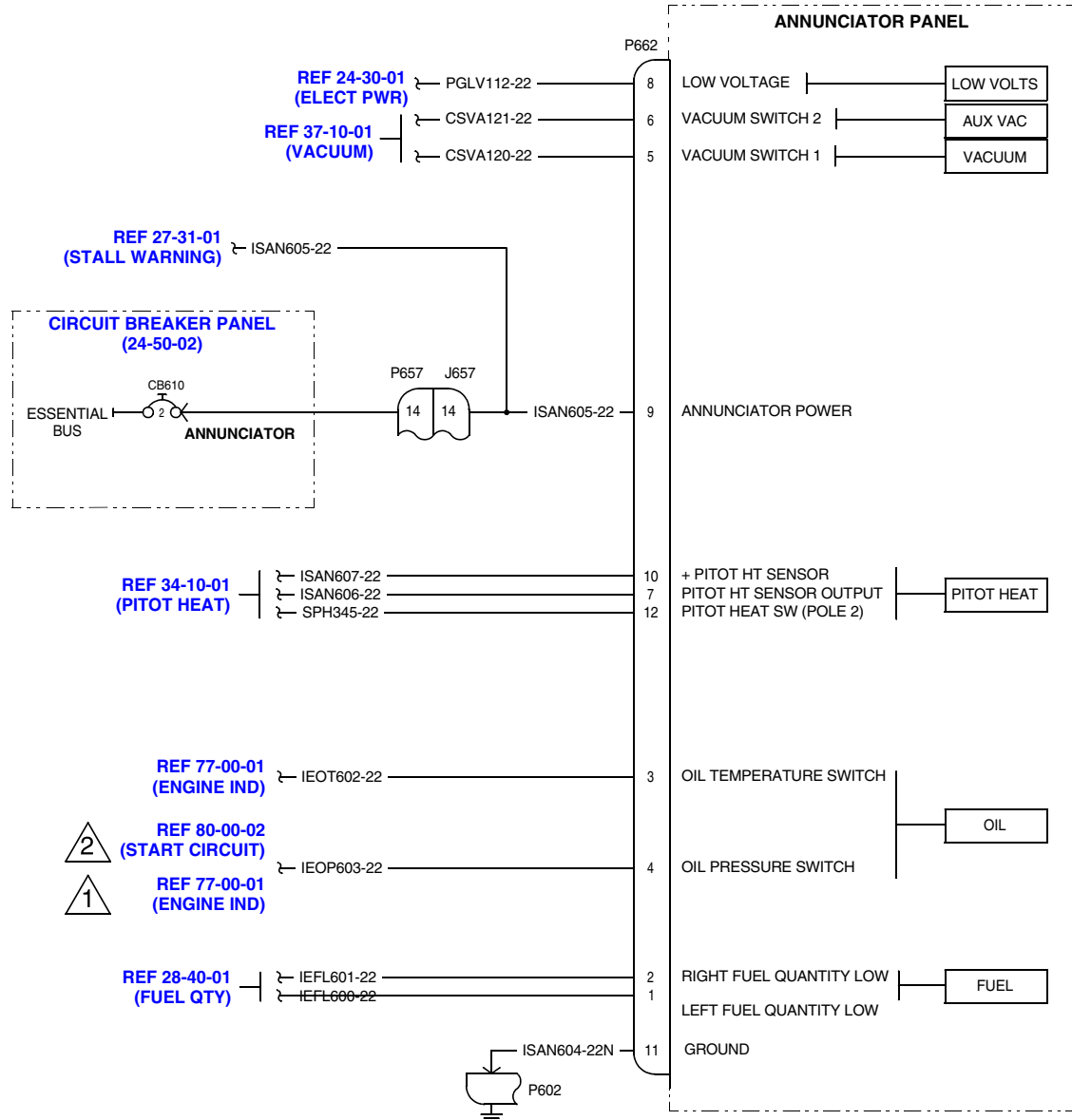
WM31622-06

Figure-02

GIA 2 - Integrated Avionics - Serials 2241 & subs w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2241 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 1005 thru 1227.

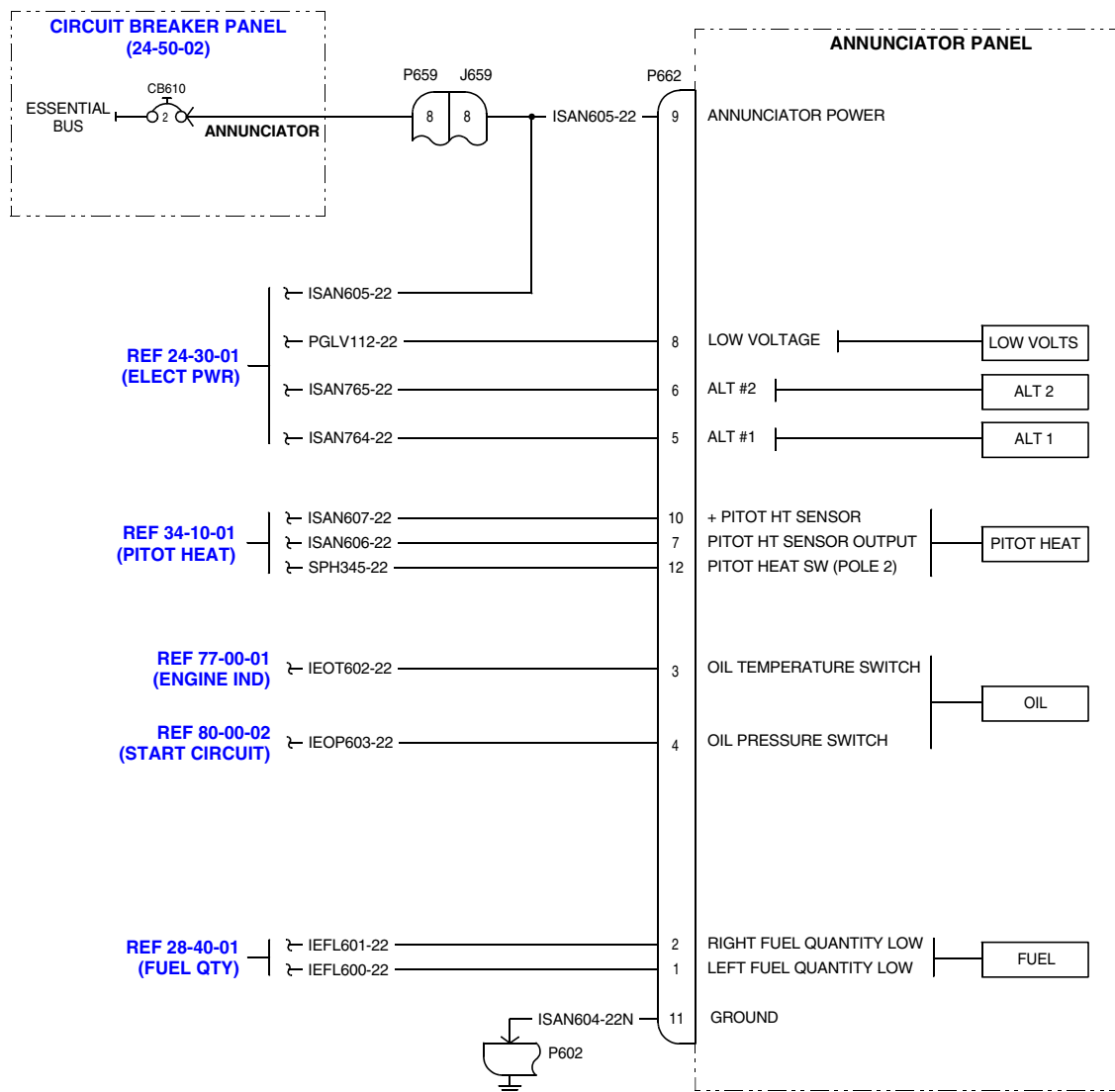
2 Serials 1228 thru 1581,
1005 thru 1227 after SB 20-73-02.

WM12992_01B

Figure-01
Annunciator Panel - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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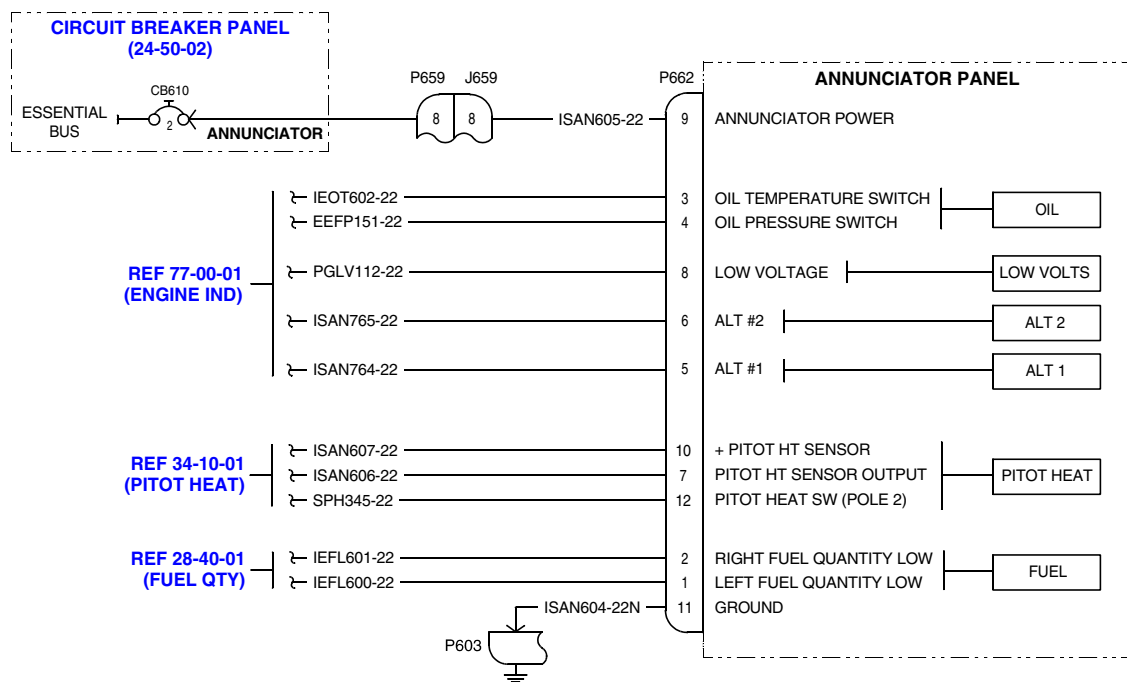
Refer to 91-10-00 for connector and pin information.

WM15394_04A

Figure-01
Annunciator Panel - Serials 1268 thru 1581

EFFECTIVITY:
Serials 1268 thru 1581

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NOTES

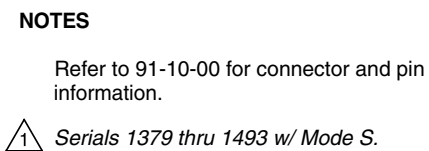
Refer to 91-10-00 for connector and pin information.

WM16704_05

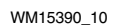
Figure-01
Annunciator Panel - Serials 1582 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1582 & subs w/o Perspective Avionics

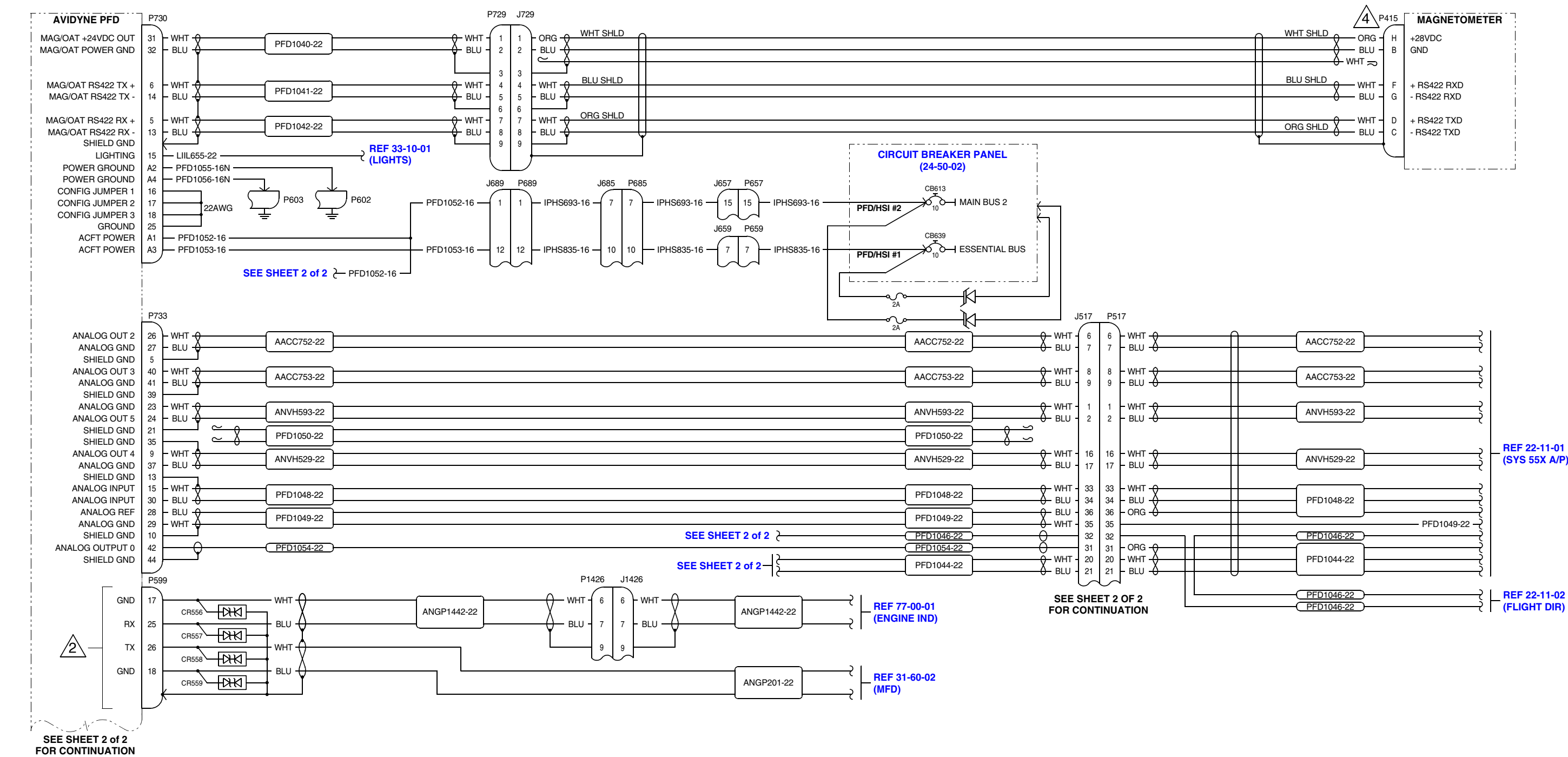
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EFFECTIVITY:
Serials 1337 thru 1493



PFD - Primary Flight Display - Serials 1337 thru 1493 (2 of 2)



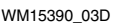
NOTES

- Refer to 91-10-00 for connector and pin information.
- 1 Serials 1494 & subs w/ Mode S.
 - 2 Serials 1582 & subs only.
 - 3 Serials 1878, 1886 & subs only.
 - 4 Serials 1494 thru 1877, 1879 thru 1885: Connector is labeled P734.

Figure-01

PFD - Primary Flight Display - Serials 1494 & subs w/o Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 1494 & subs w/o Perspective Avionics



PFD - Primary Flight Display - Serials 1337 & subs w/o Perspective Avionics (2 of 2)

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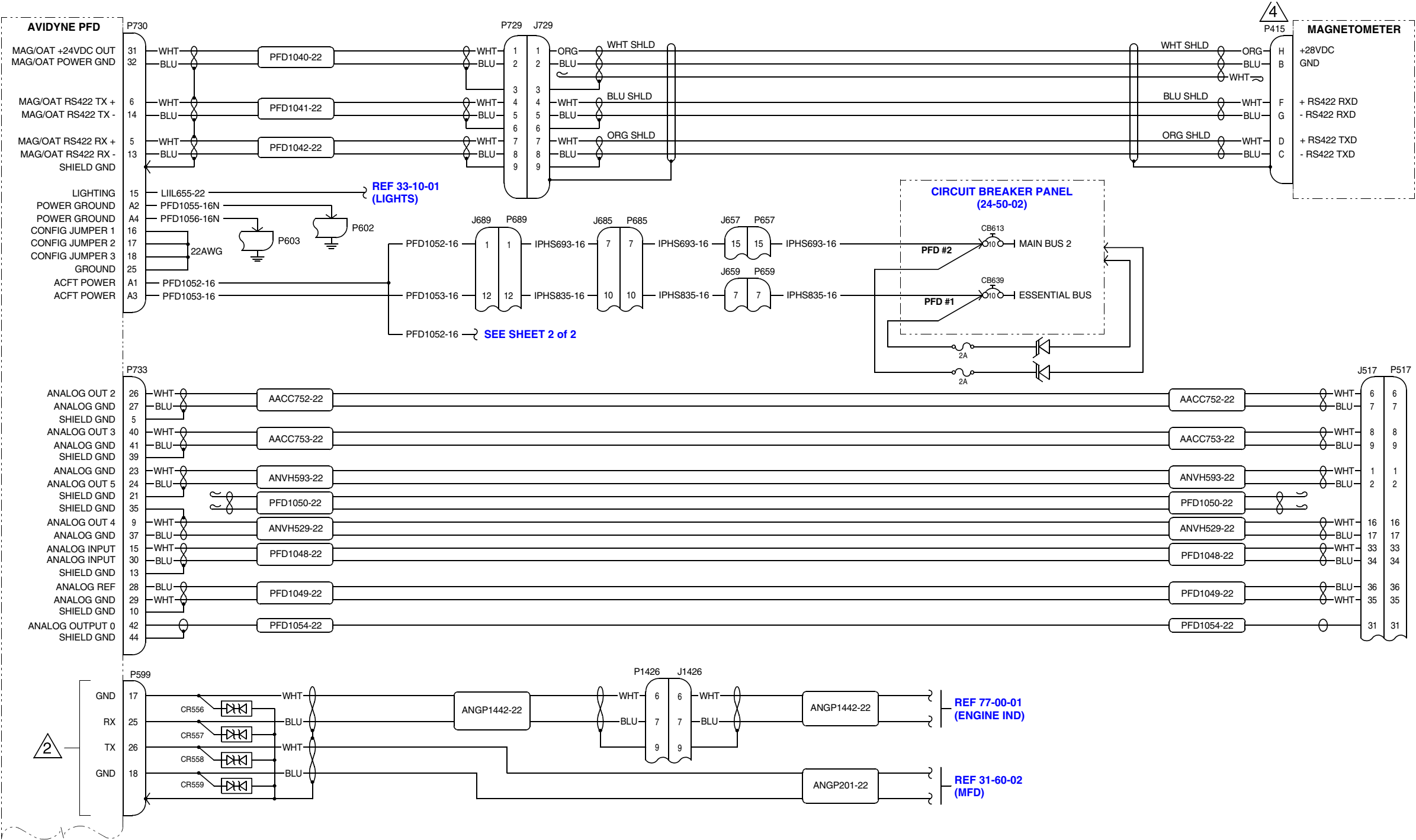
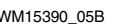


Figure-01

PFD - Primary Flight Display - Serials 1359 & subs, Config. "SRV" w/o Autopilot (1 of 2)

EFFECTIVITY:
Serials 1359 & subs, Config. "SRV" w/o Autopilot



PFD - Primary Flight Display - Serials 1359 & subs, Config. "SRV" w/o Autopilot (2 of 2)

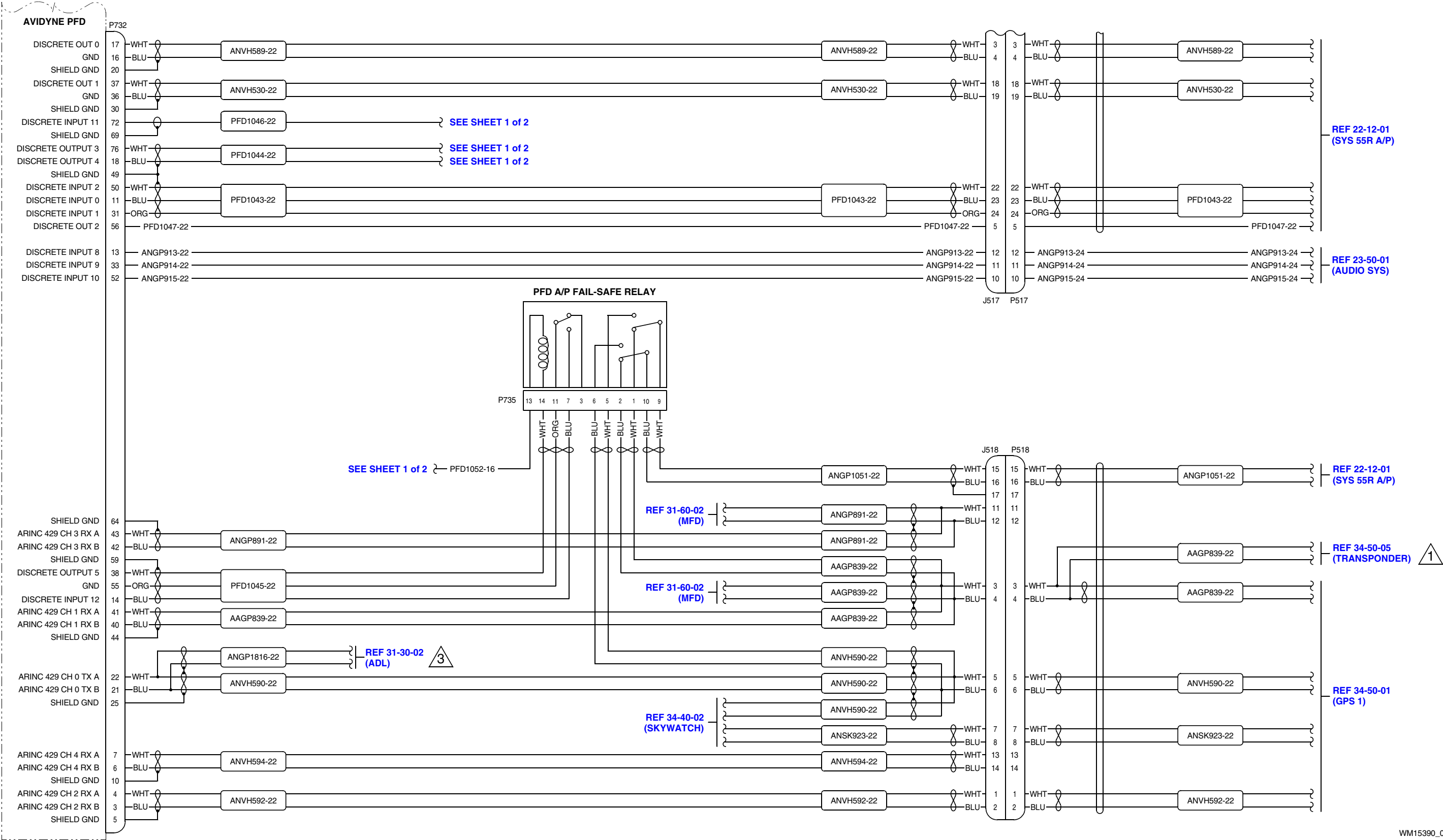
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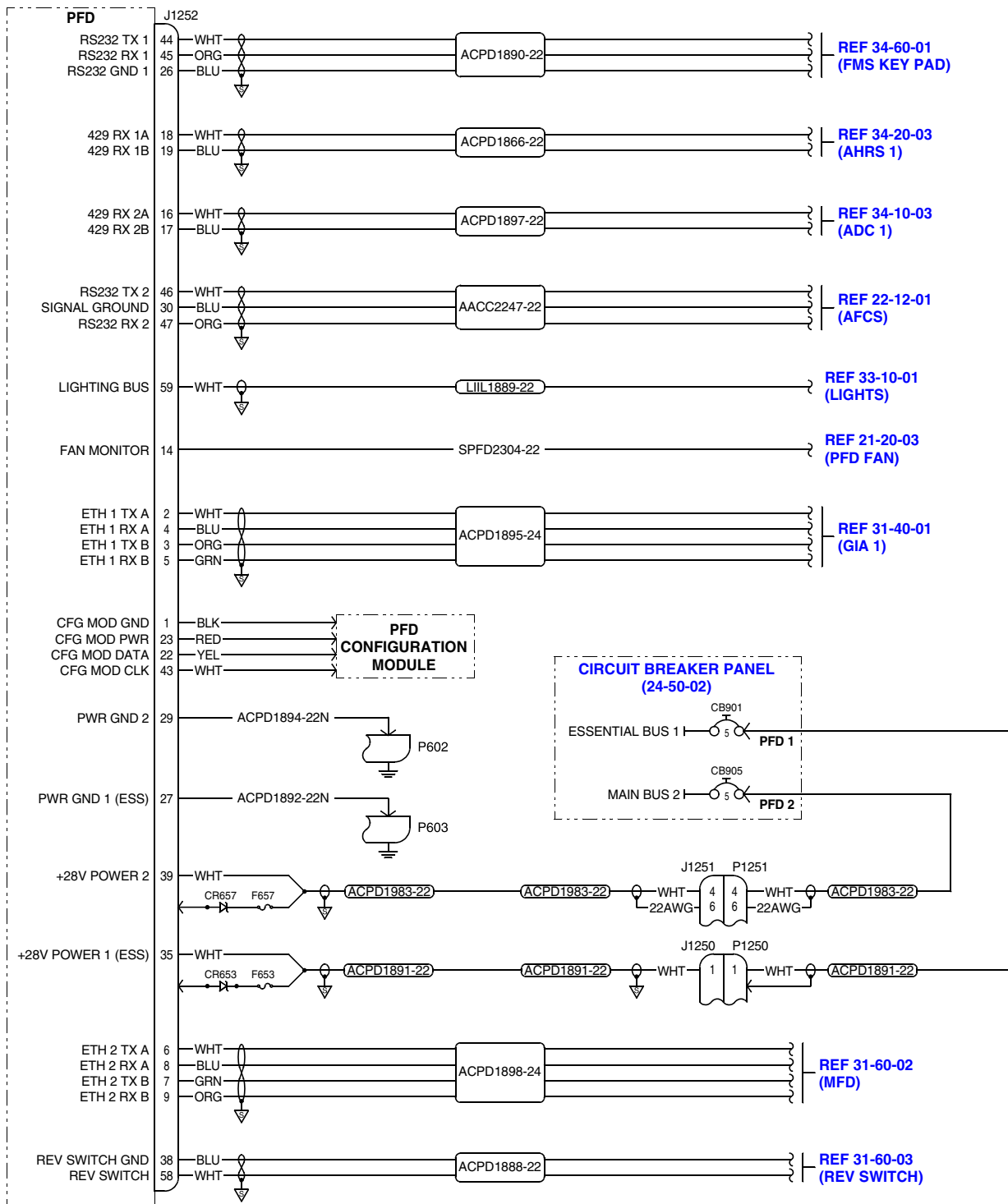


- 1 *Serials 1379 & subs w/ Mode S.*
- 2 *Serials 1582 & subs only.*
- 3 *Serials 1878, 1886 & subs only.*
- 4 *Serials 1359 thru 1877, 1879 thru 1885:
Connector is labeled P734.*

PFD - Primary Flight Display - Serials 1359 & subs, Config. "SRV" w/ Autopilot (1 of 2)

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NOTES

Refer to 91-10-00 for connector and pin information.

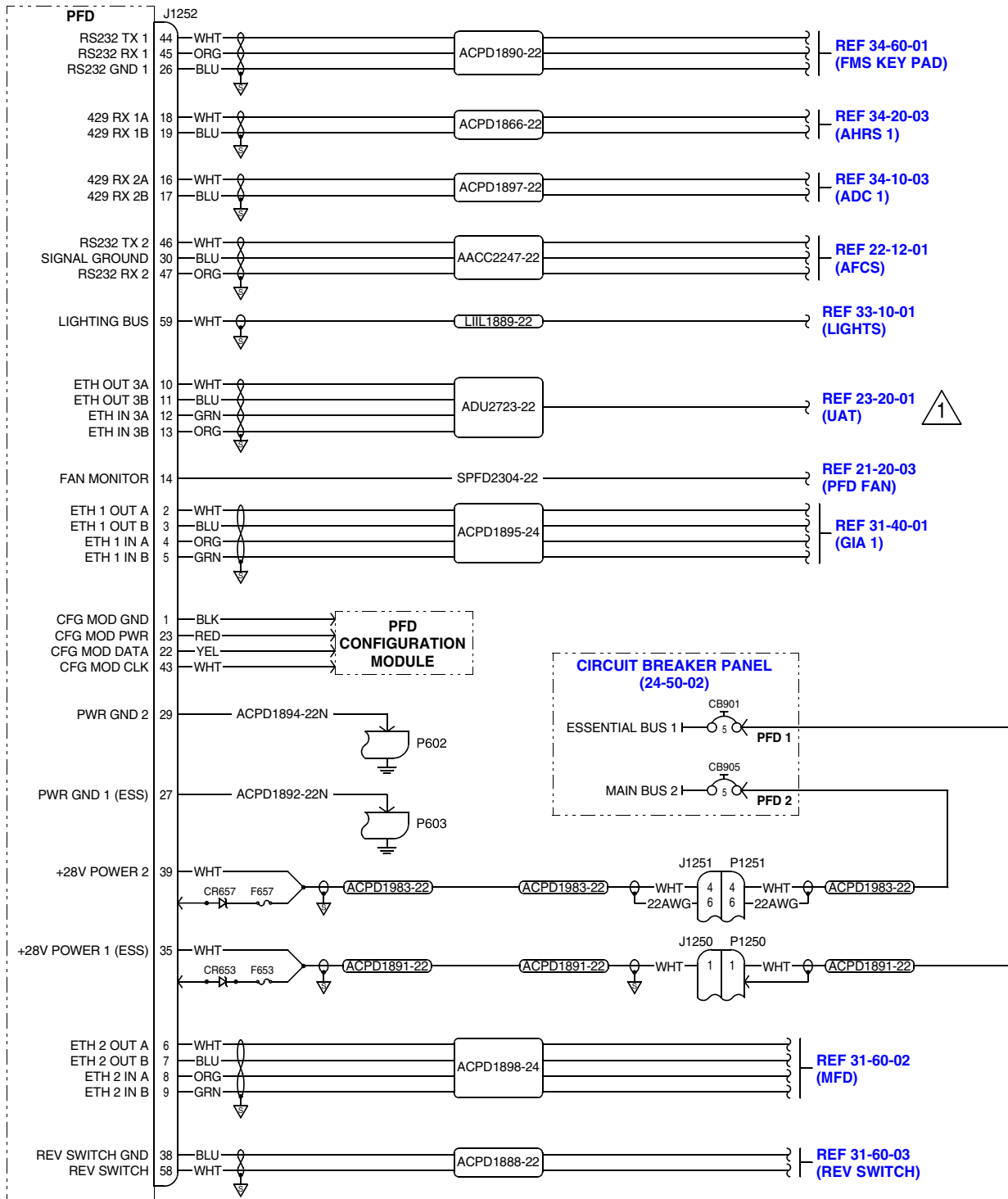
WM24570_03

Figure-01

PFD - Primary Flight Display - Serials 2016 thru 2063 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2063 w/ Perspective Avionics

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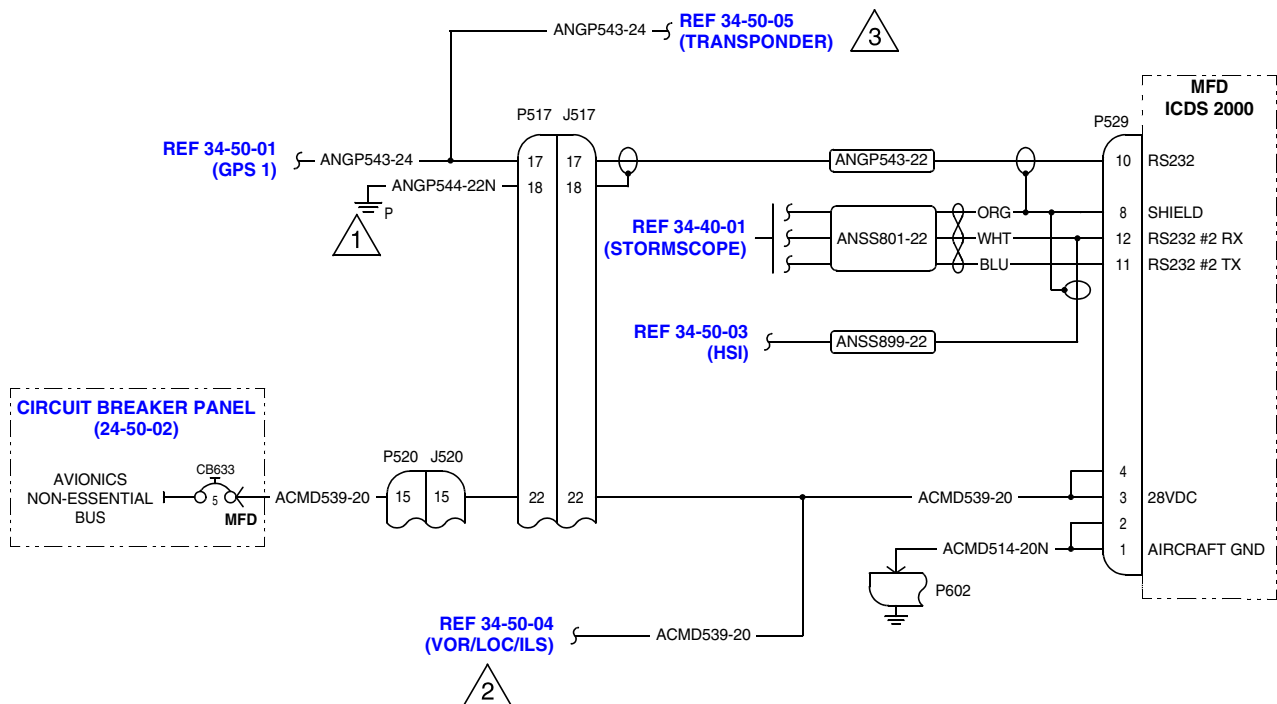
NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2303 & subs.

WM26680_02B

Figure-01
PFD - Primary Flight Display - Serials 2064 & subs w/ Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Serials 1045 thru 1267 only.

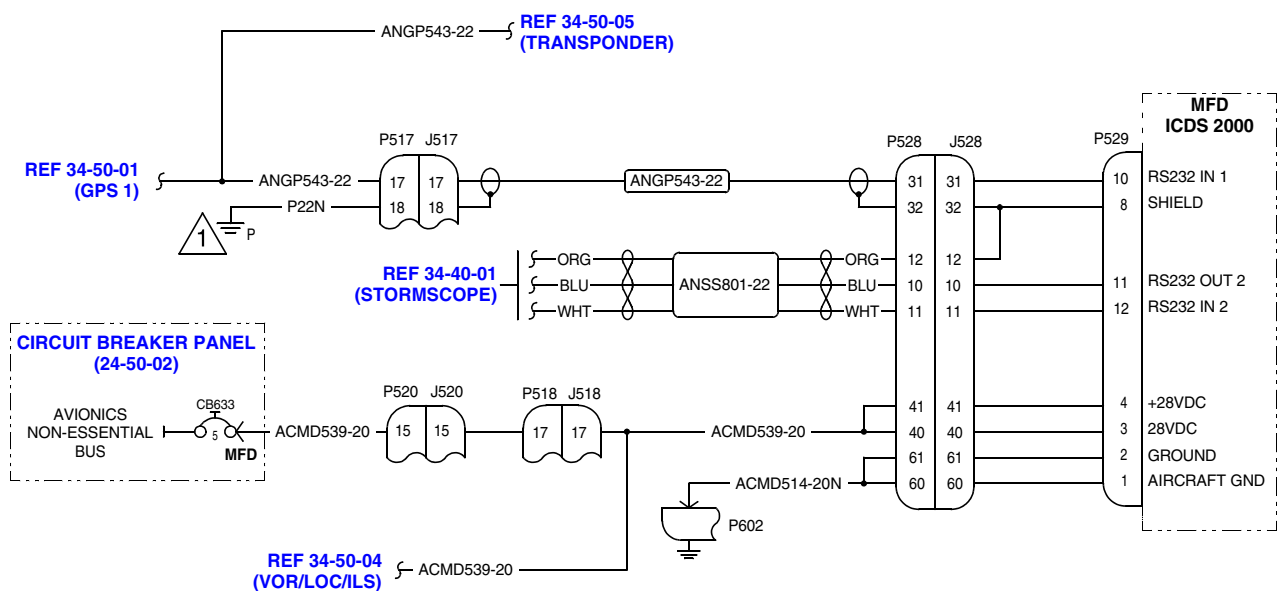
3 Serials 1100 thru 1267 only.

WM13009_01B

Figure-02
Multifunction Display - Serials 1005 thru 1178, Arnav MFD

EFFECTIVITY:
Serials 1005 thru 1178, Arnav MFD

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NOTES

Refer to 91-10-00 for connector and pin information.

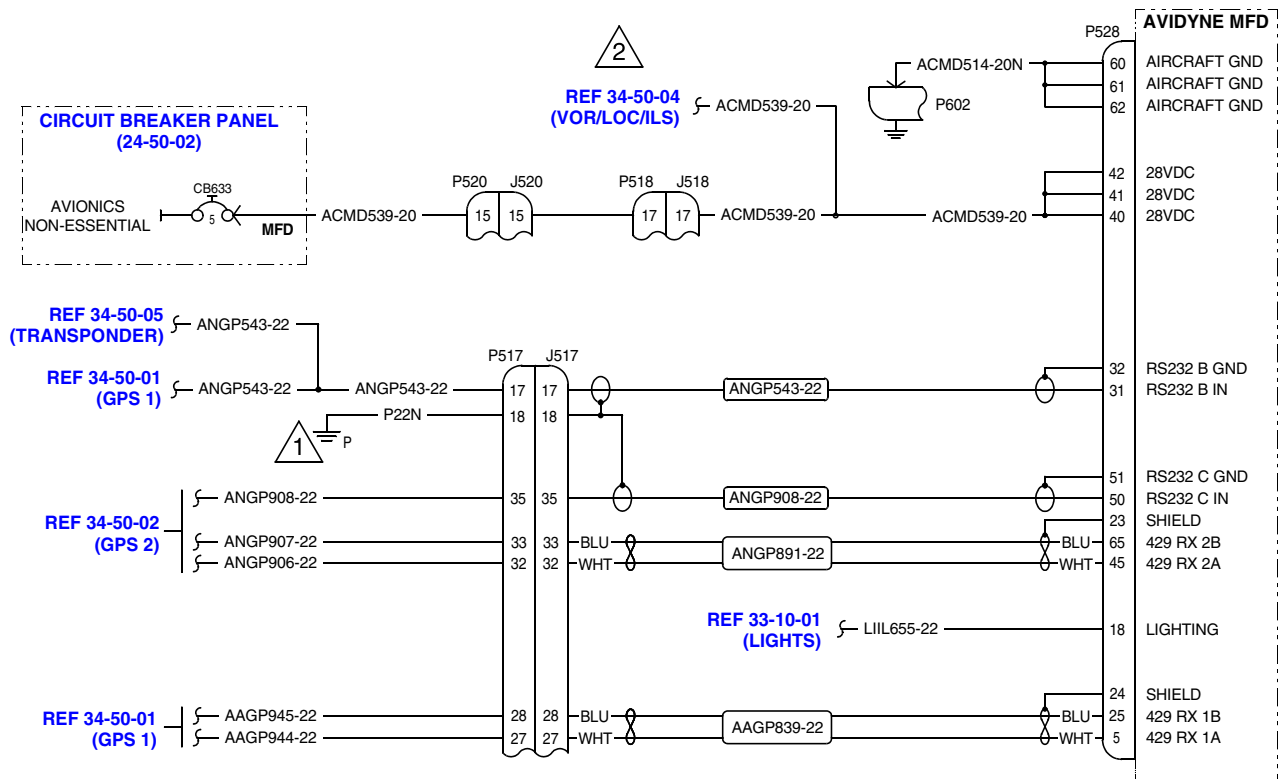
1 Power grounds (labeled "P") are spliced into P518 Pin A1.

WM14758-01

Figure-02
Multifunction Display - Serials 1179 thru 1267, Arnav MFD

EFFECTIVITY:
Serials 1179 thru 1267, Arnav MFD

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NOTES

Refer to 91-10-00 for connector and pin information.

① Power grounds (labeled "P") are spliced into P518 Pin A1.

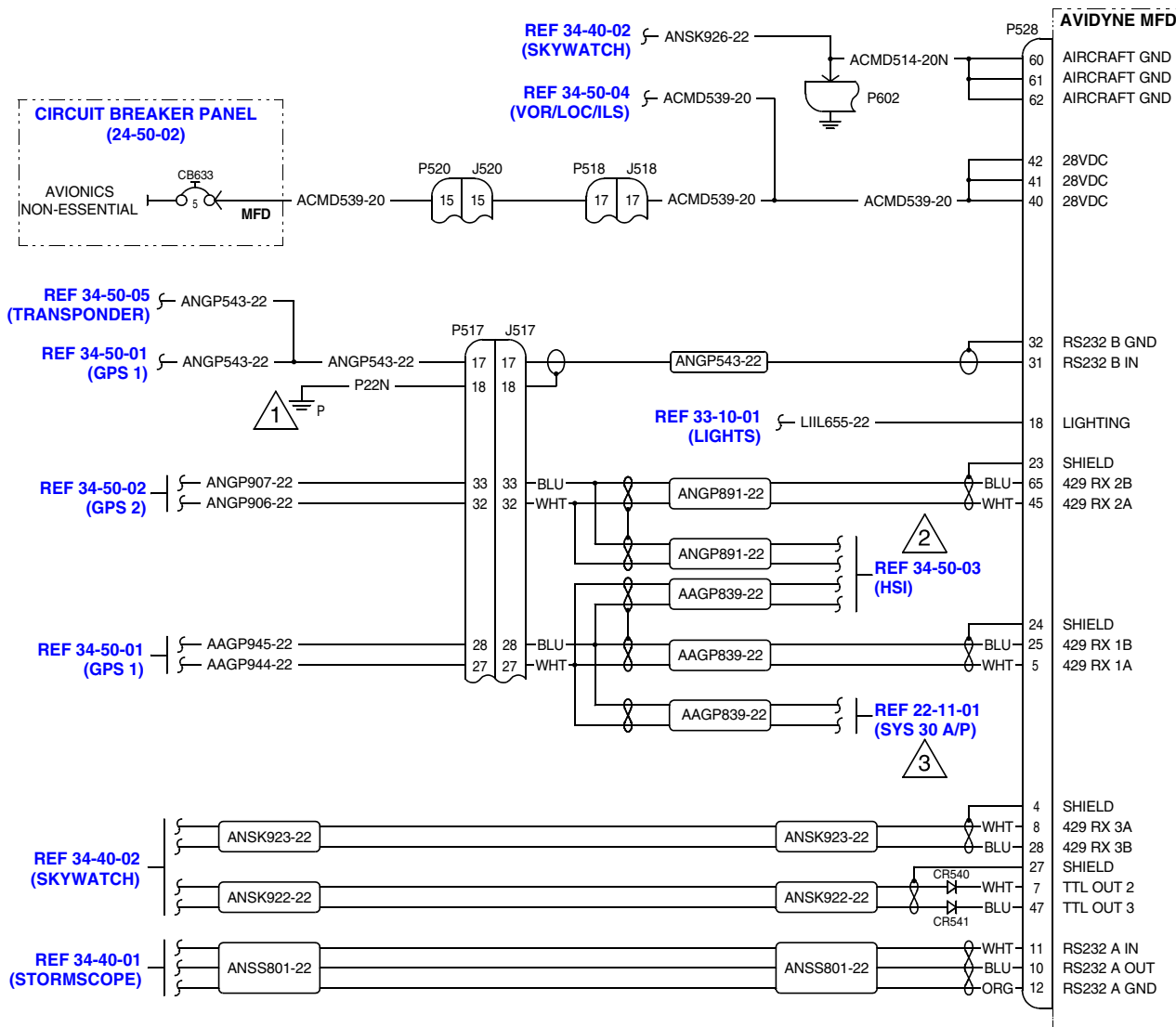
② Serials 1179 thru 1267 only.

WM14758-02

Figure-02
Multifunction Display - Serials 1179 thru 1336, Avidyne MFD, Config. "A"

EFFECTIVITY:
Serials 1179 thru 1336, Avidyne MFD, Config. "A"

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NOTES

Refer to 91-10-00 for connector and pin information.

① Power grounds (labeled "P") are spliced into P518 Pin A1.

② Airplanes with Sandel HSI only.

③ Serials 1268 & subs only.

WM14758-03

Figure-02

Multifunction Display - Serials 1179 thru 1336, Avidyne MFD, Config. "B" & "C"

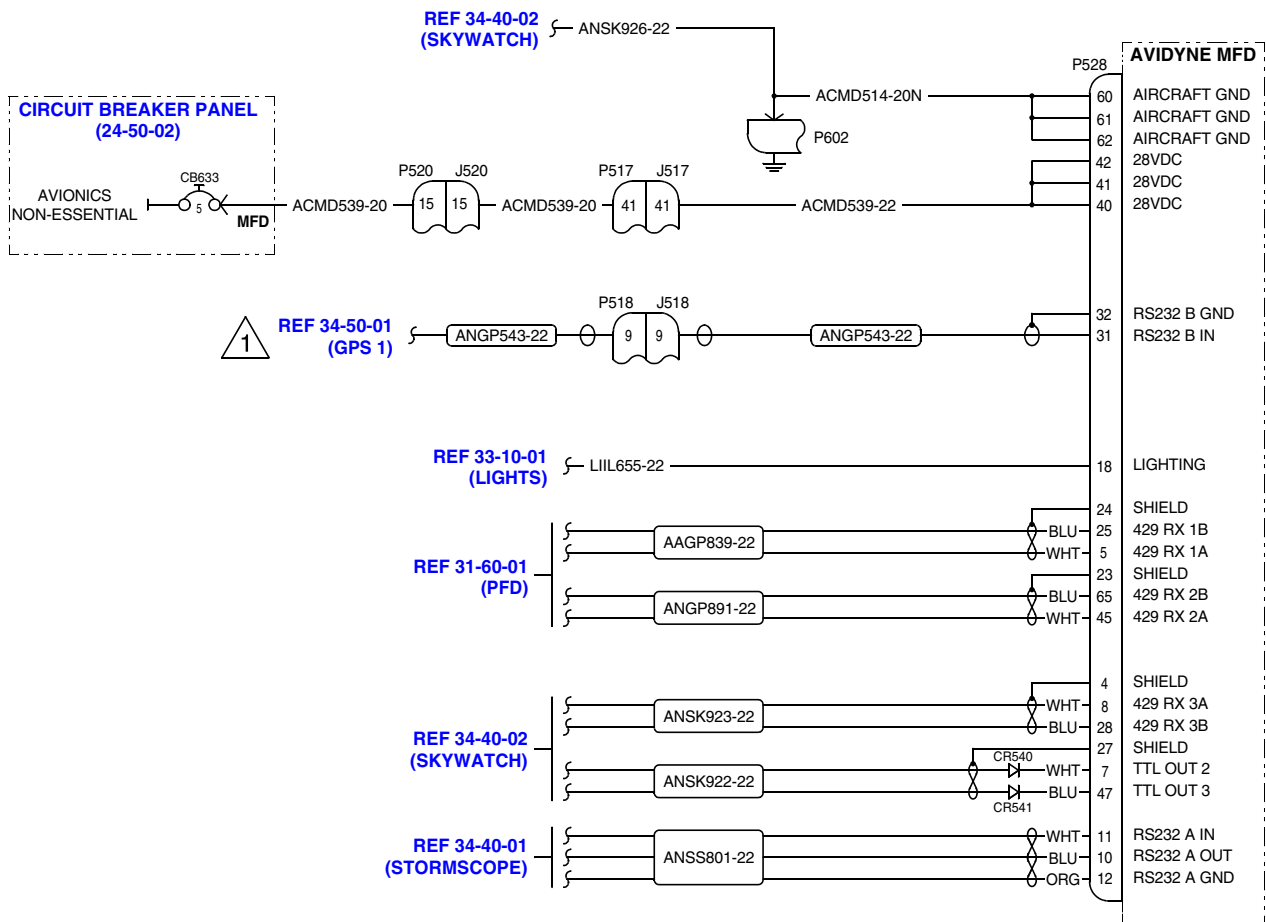
EFFECTIVITY:

Serials 1179 thru 1336, Avidyne MFD, Config. "B" & "C"

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NOTES

Refer to 91-10-00 for connector and pin information.

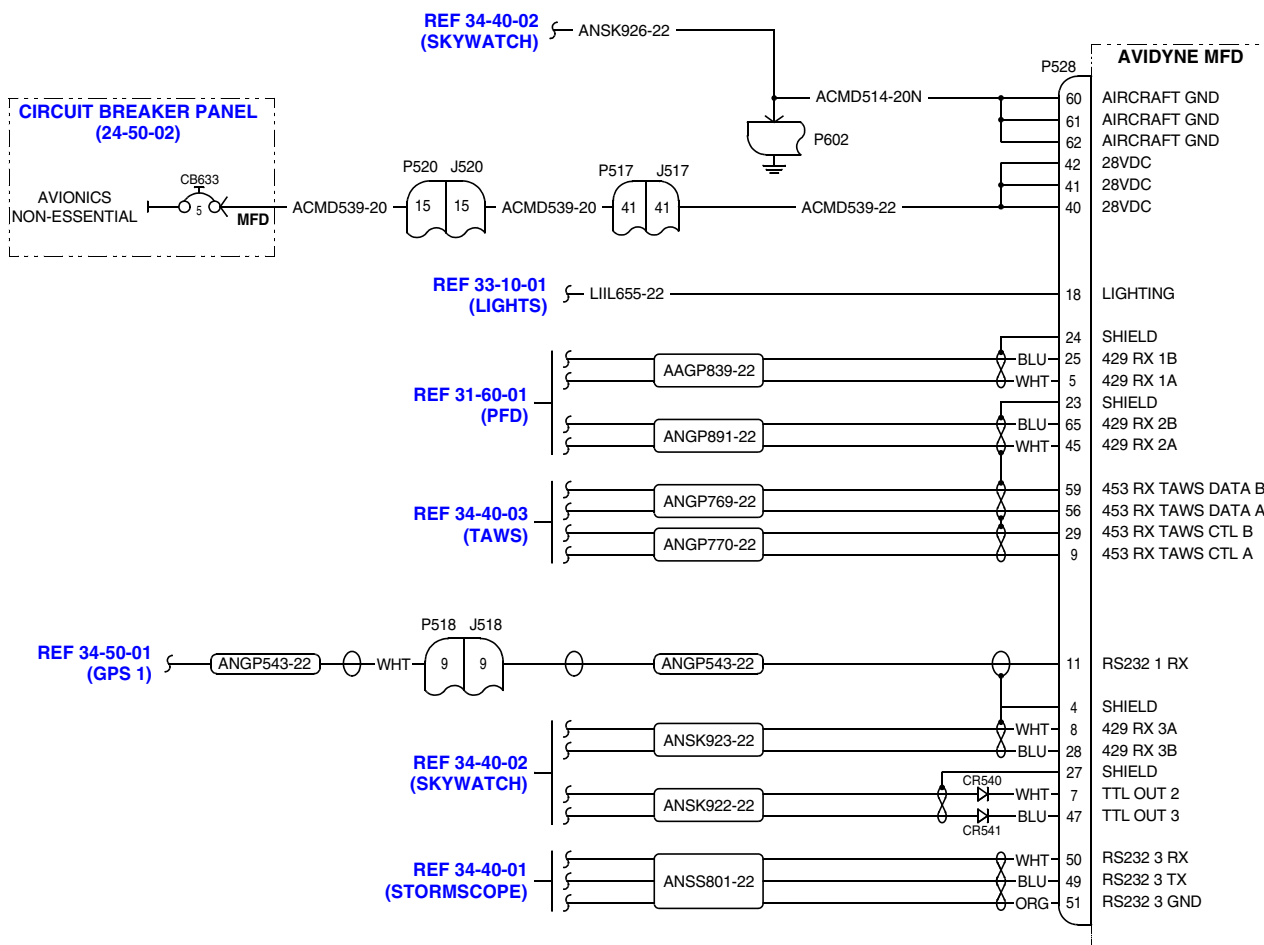
1 Serials 1359 thru 1440 only.

WM15390-01A

Figure-02
Multifunction Display - Serials 1337 thru 1440

EFFECTIVITY:
Serials 1337 thru 1440

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NOTES

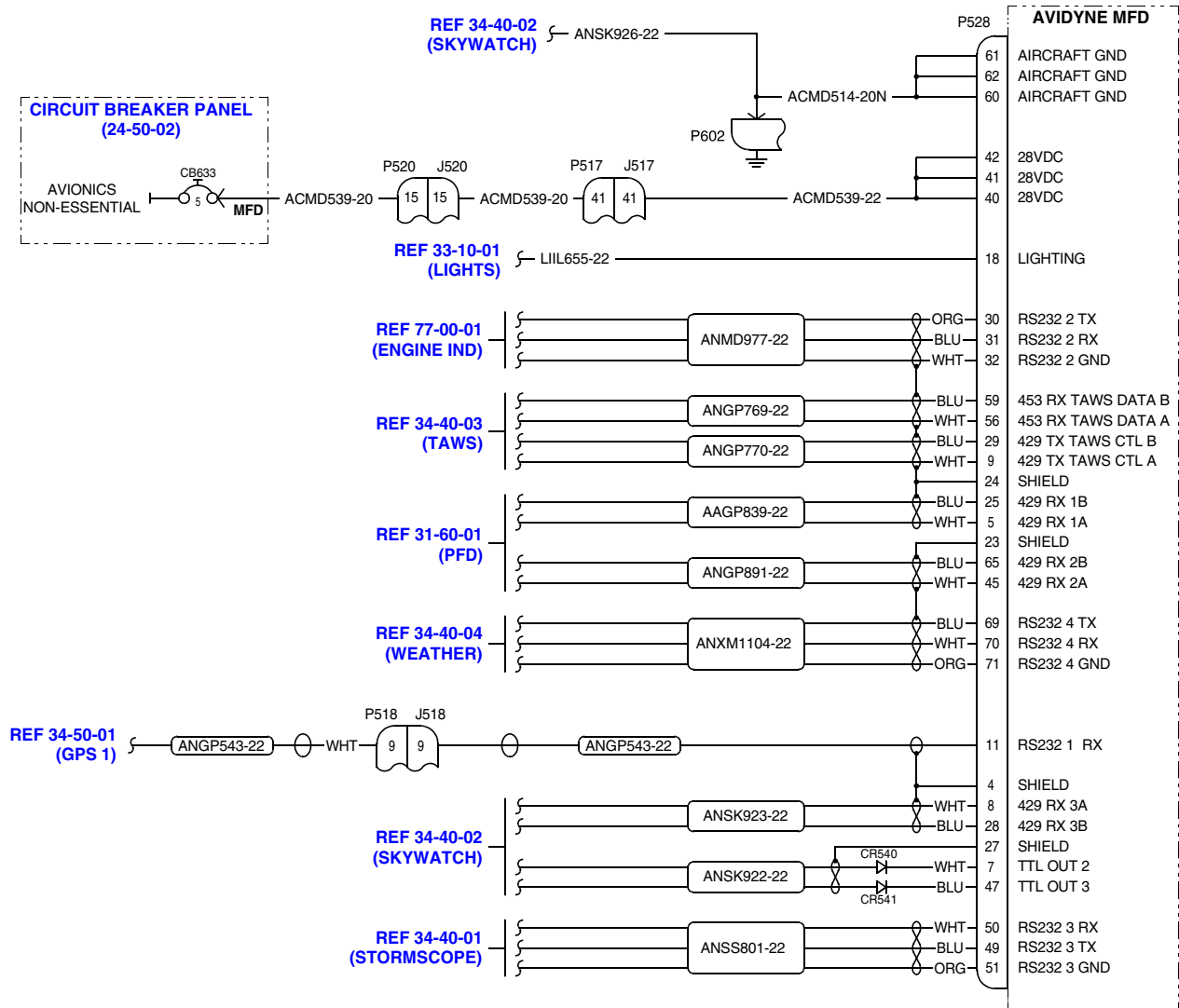
Refer to 91-10-00 for connector and pin information.

WM16057-02

Figure-02
Multifunction Display - Serials 1441 thru 1455

EFFECTIVITY:
Serials 1441 thru 1455

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NOTES

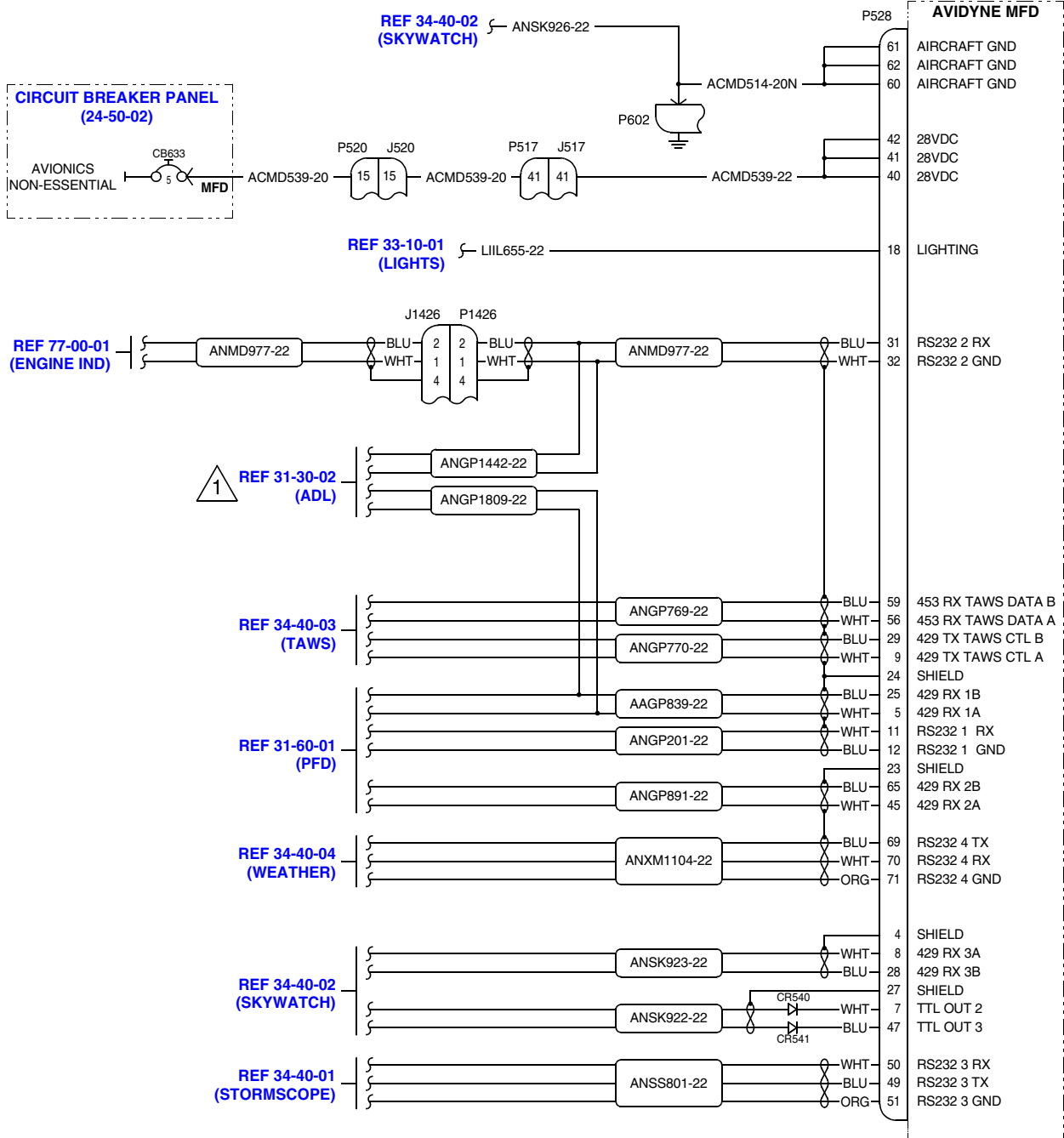
Refer to 91-10-00 for connector and pin information.

WM16057-03

Figure-02
Multifunction Display - Serials 1456 thru 1581

EFFECTIVITY:
Serials 1456 thru 1581

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NOTES

Refer to 91-10-00 for connector and pin information.

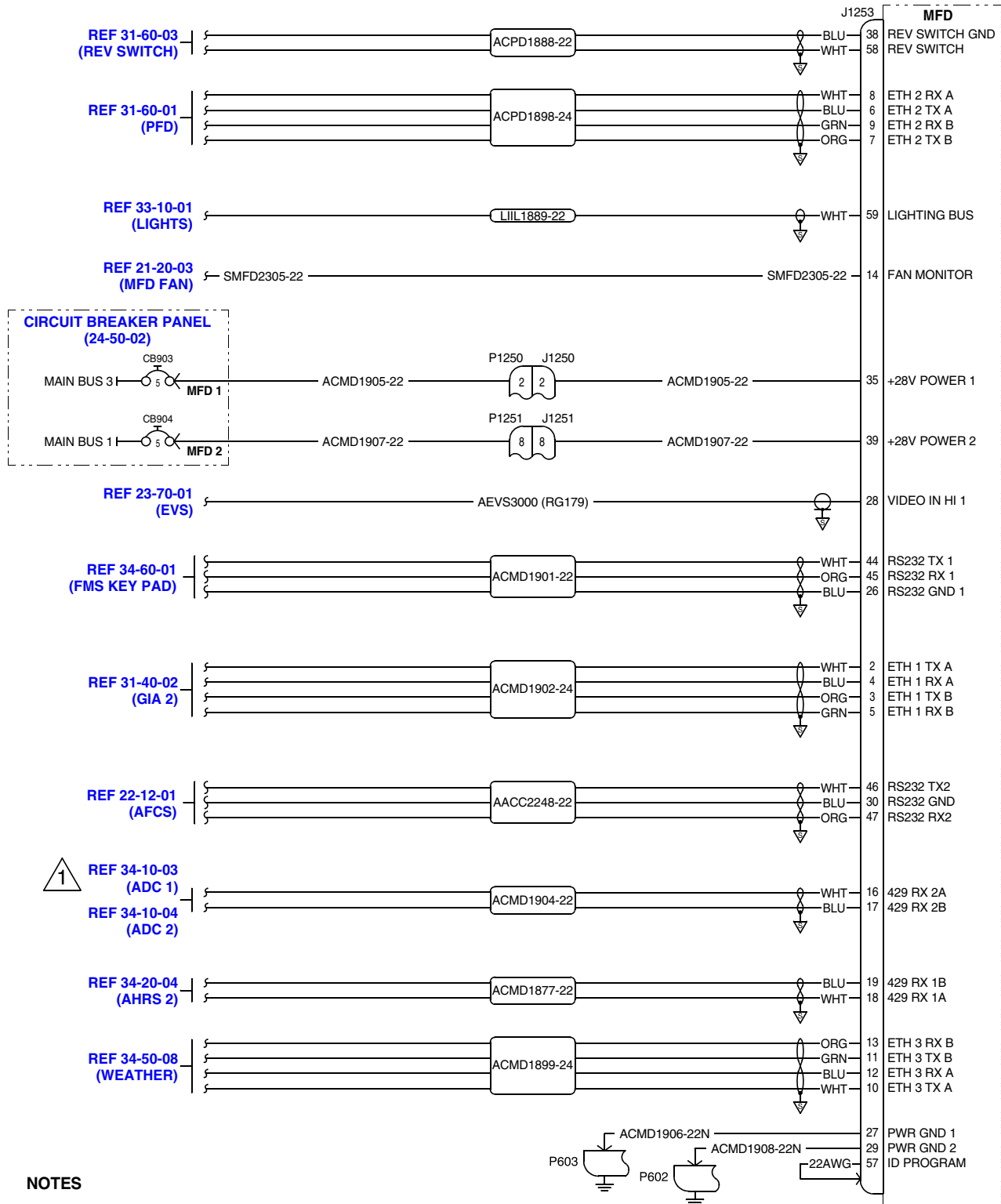
1 Serials 1878, 1886 & subs.

WM16702-01A

Figure-02
Multifunction Display - Serials 1582 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1582 & subs w/o Perspective Avionics

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WM24570_01B

Figure-02
Multifunction Display - Serials 2016 thru 2063 w/ Perspective Avionics

EFFECTIVITY:
 Serials 2016 thru 2063 w/ Perspective Avionics

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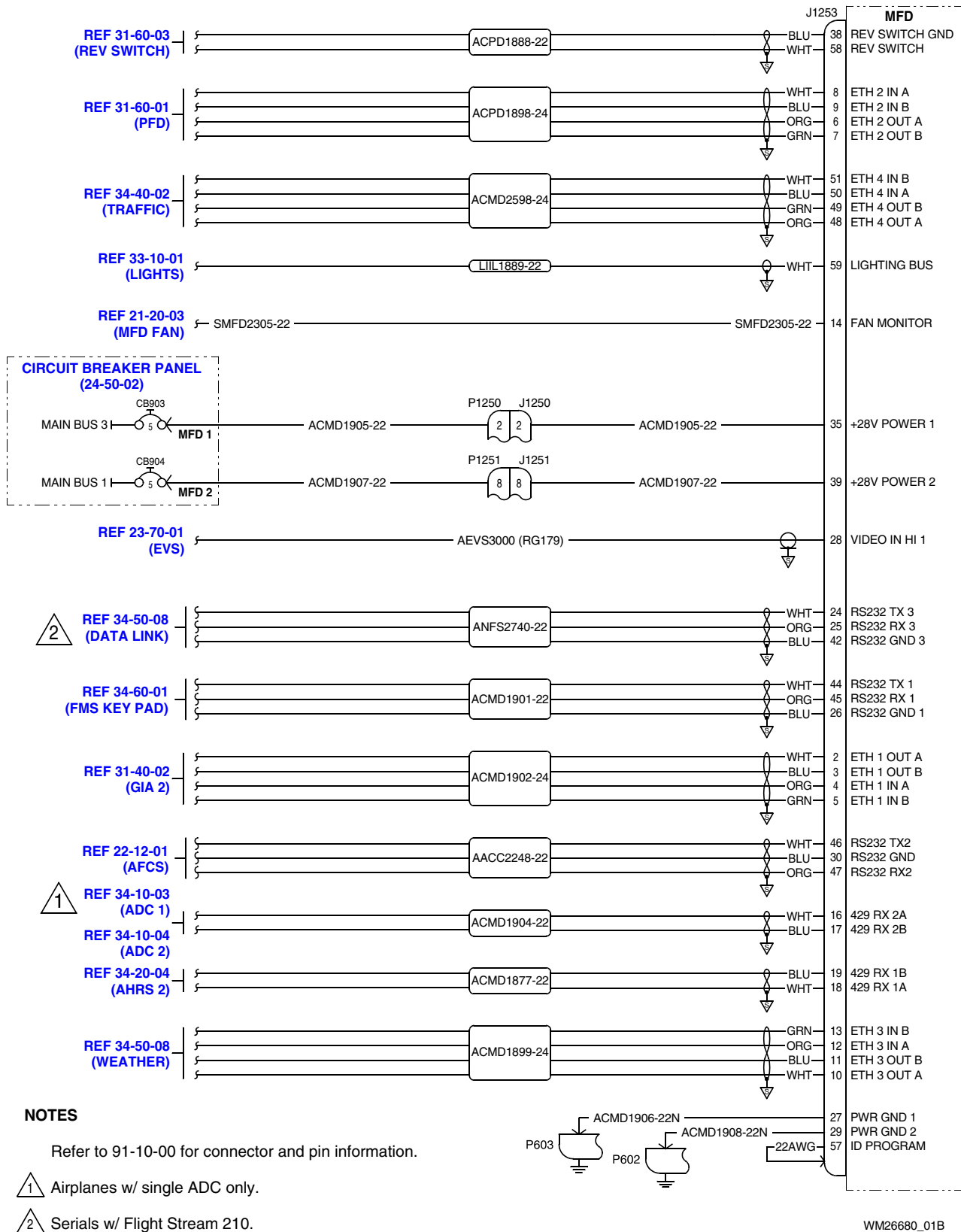
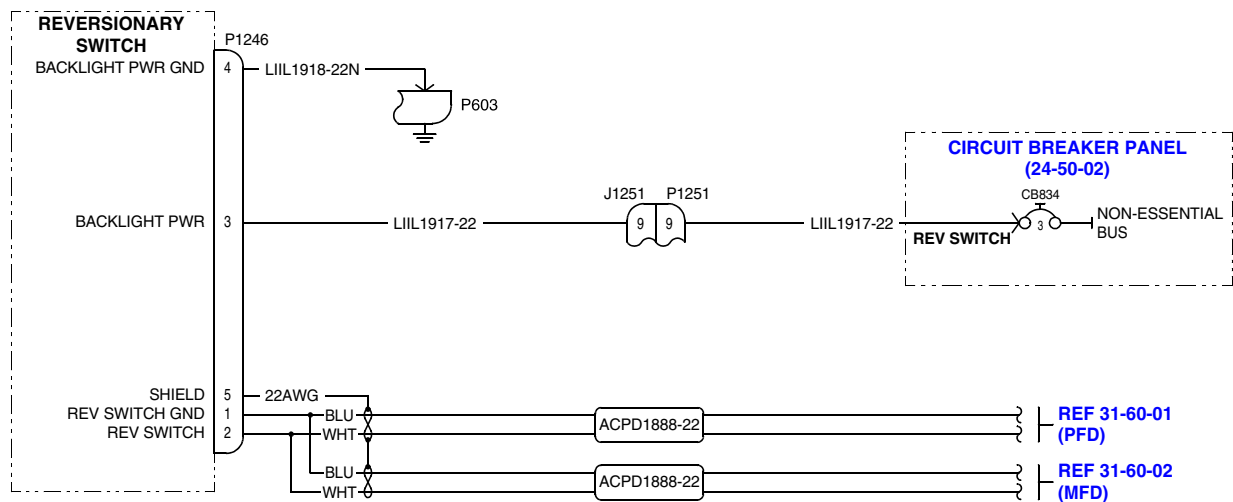


Figure-02
Multifunction Display - Serials 2064 & subs w/ Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

WM24570_07

Figure-03
Reversionary Switch - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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CHAPTER

32

LANDING GEAR

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32-LOEP	2	01 MAY 2012
32-TOC	1	01 MAY 2012
32-TOC	2	01 MAY 2012
32-42-01	1	01 MAY 2012
32-42-02	1	19 SEP 2010

EFFECTIVITY:
All

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CHAPTER 32 - LANDING GEAR**TABLE OF CONTENTS****Subject**

Brake Temperature Sensor - Serials 2016 & subs w/ Perspective Avionics

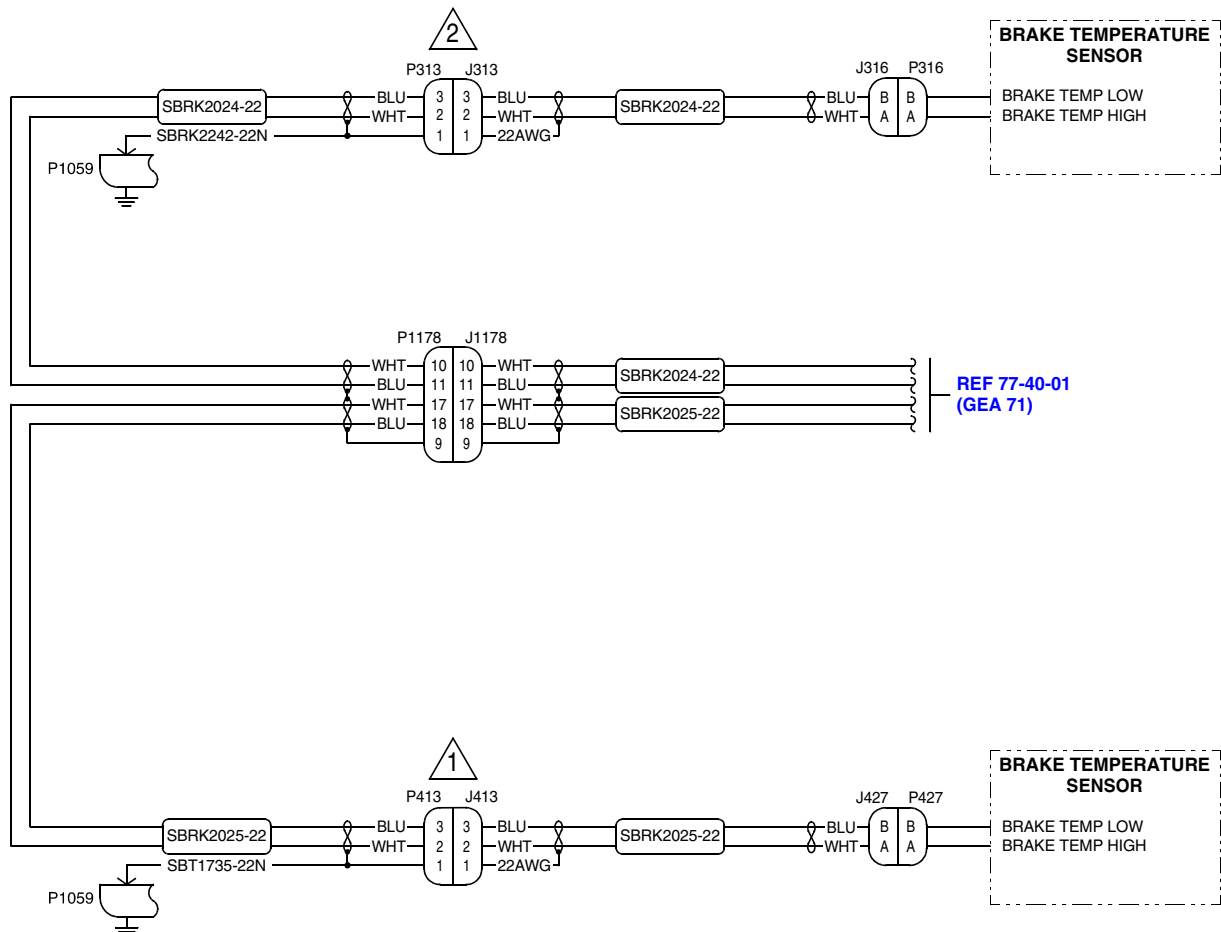
Parking Brake Switch - Serials 2016 & subs w/ Perspective Avionics

Chap-Sect-Fig

32-42-01

32-42-02

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NOTES

Refer to 91-10-00 for connector and pin information.

① Serials 2016 thru 2155; connector is labeled P430 and J430.

② Serials 2016 thru 2155; connector is labeled P330 and J330.

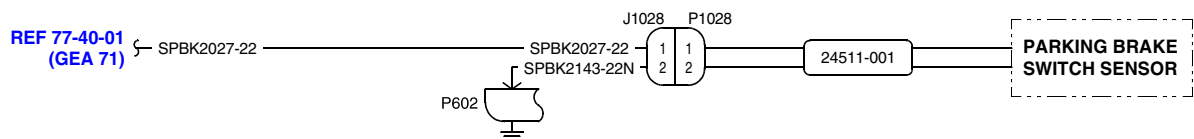
WM24562_25B

Figure-01

Brake Temperature Sensor - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM24630_11

Figure-02
Parking Brake Switch - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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CHAPTER

33

LIGHTS

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CHAPTER 33 - LIGHTS

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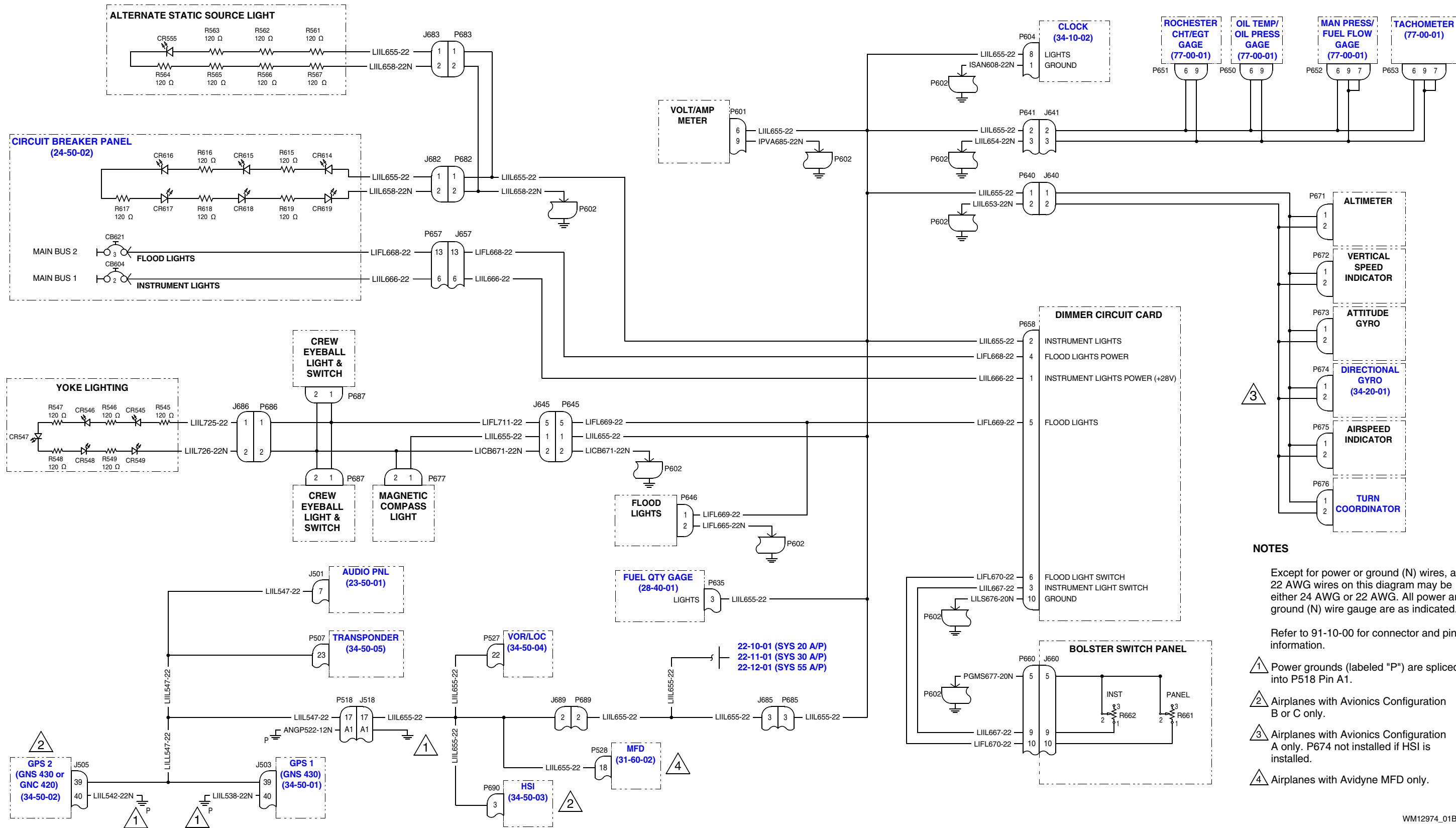
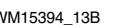


Figure-01

Flight Compartment Lighting - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

 Power grounds (labeled "P") are spliced into P518 Pin A1.



EFFECTIVITY:
Serials 1268 thru 1336

NOTES

Refer to 91-10-00 for connector and pin information.

⚠ Power grounds (labeled "P") are spliced into P518 Pin A1.

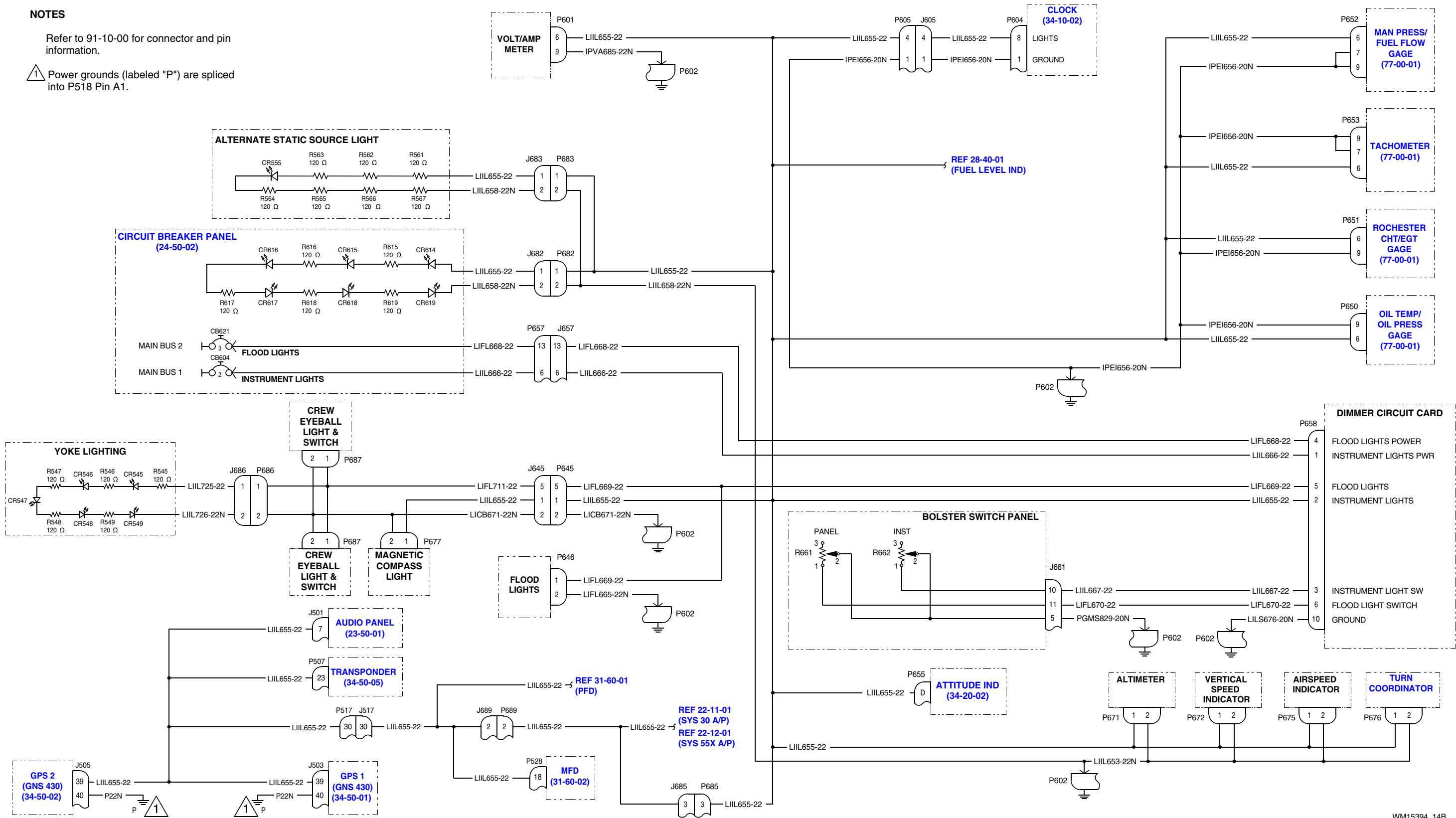


Figure-01
Flight Compartment Lighting - Serials 1337 thru 1581

EFFECTIVITY:
Serials 1337 thru 1581

NOTES

- Refer to 91-10-00 for connector and pin information.
- 1

Power grounds (labeled "P") are spliced into P518 Pin A1.
- 2

Serials 1878, 1886 & subs.

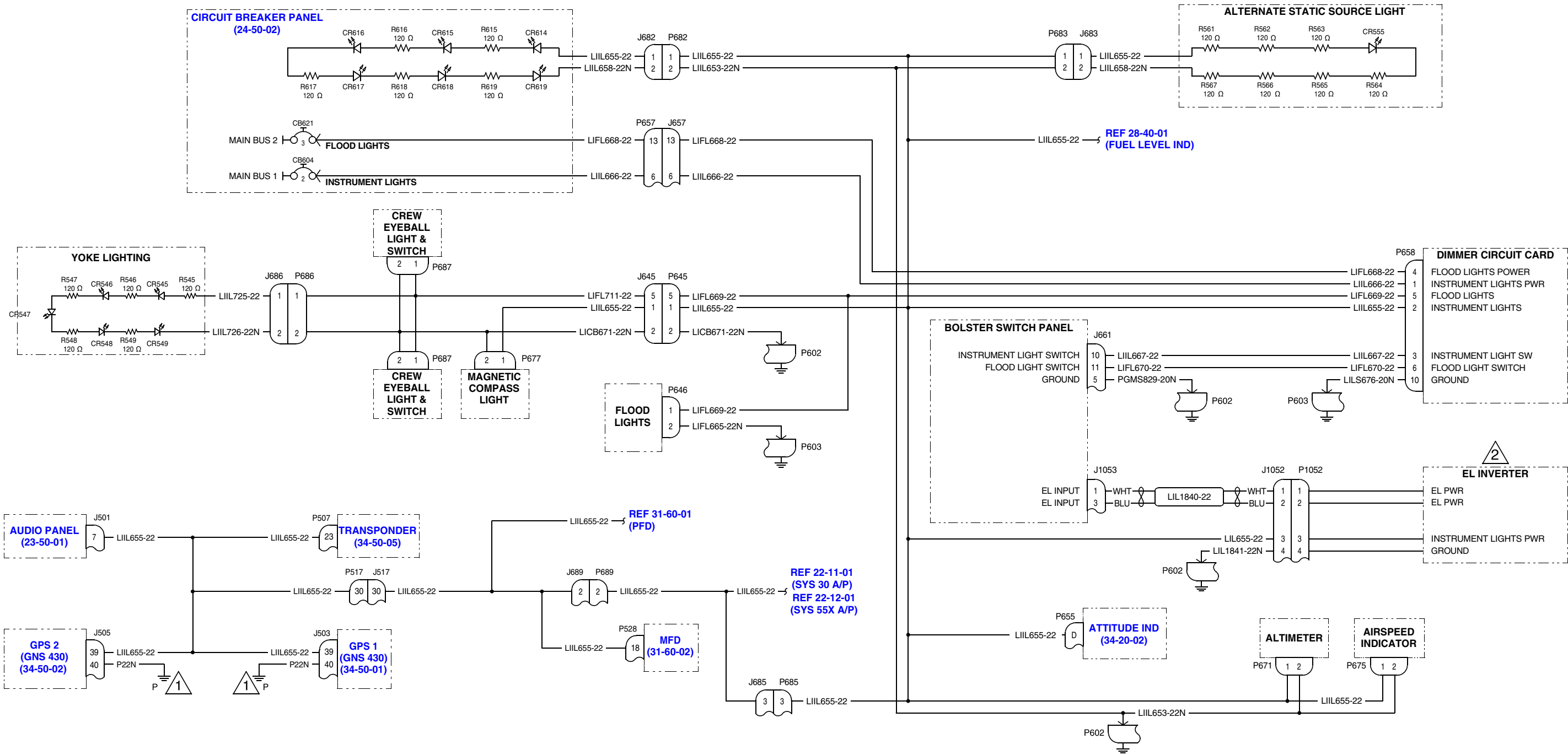
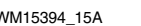


Figure-01
Flight Compartment Lighting - Serials 1582 & subs w/o Perspective Avionics

 Power grounds (labeled "P") are spliced into P518 Pin A1.



Flight Compartment Lighting - Serials 1359 thru 1581, Config. "SRV"

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NOTES

- Refer to 91-10-00 for connector and pin information.
- 1 Power grounds (labeled "P") are spliced into P518 Pin A1.
- 2 Serials 1878, 1886 & subs.

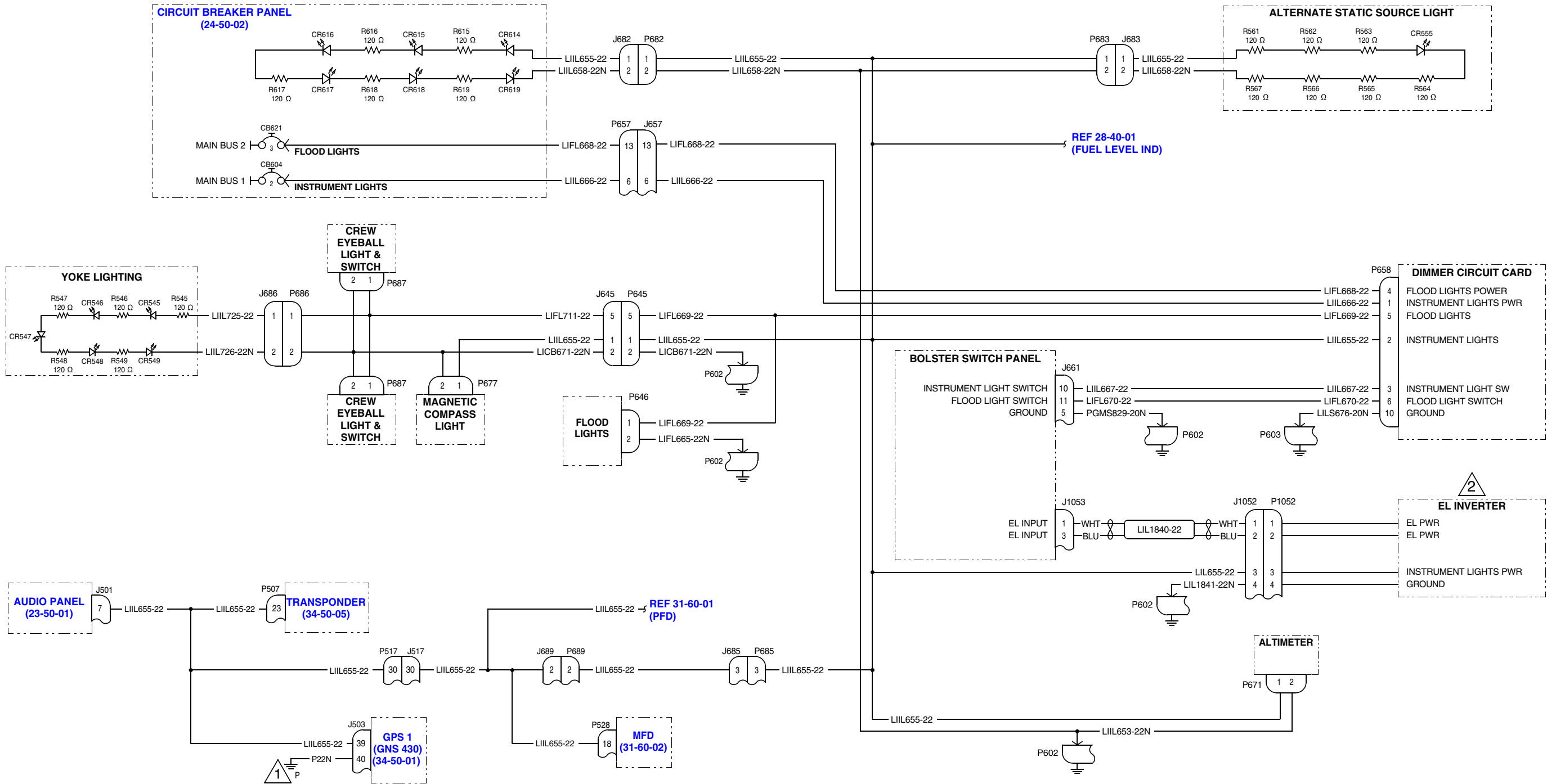


Figure-01
Flight Compartment Lighting - Serials 1582 & subs, Config. "SRV"

EFFECTIVITY:
Serials 1582 & subs, Config. "SRV"

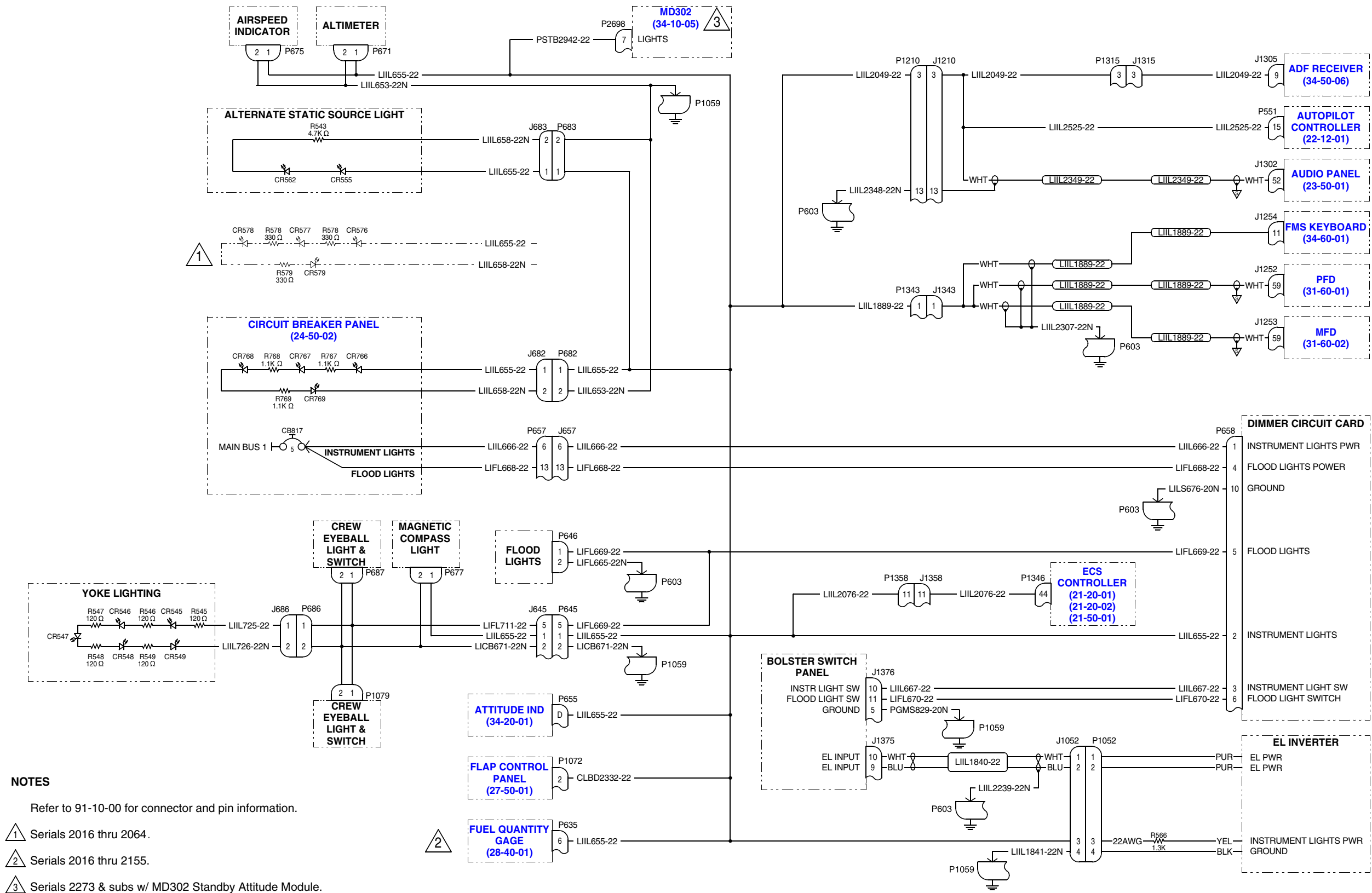
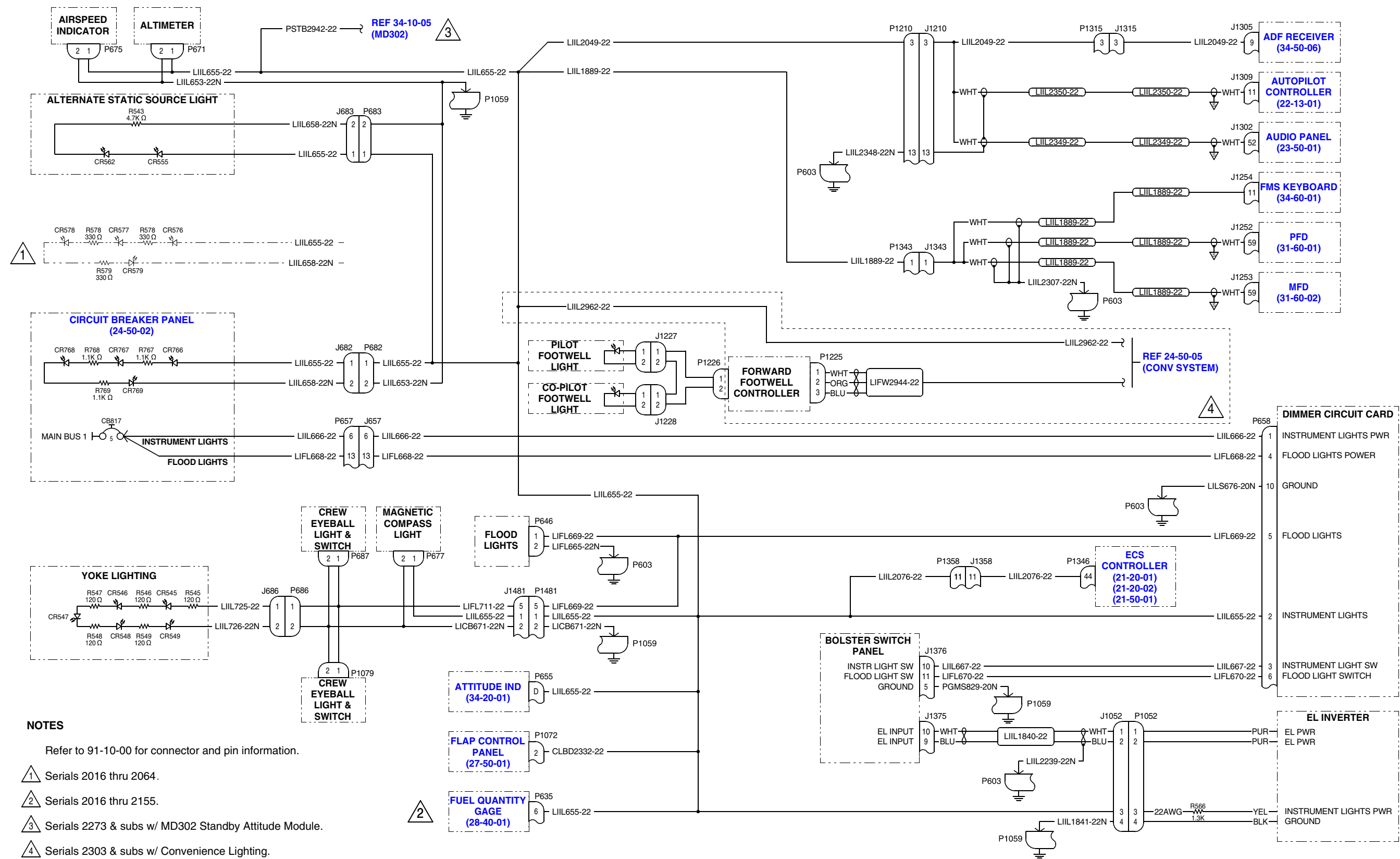


Figure-01

Flight Compartment Lighting - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

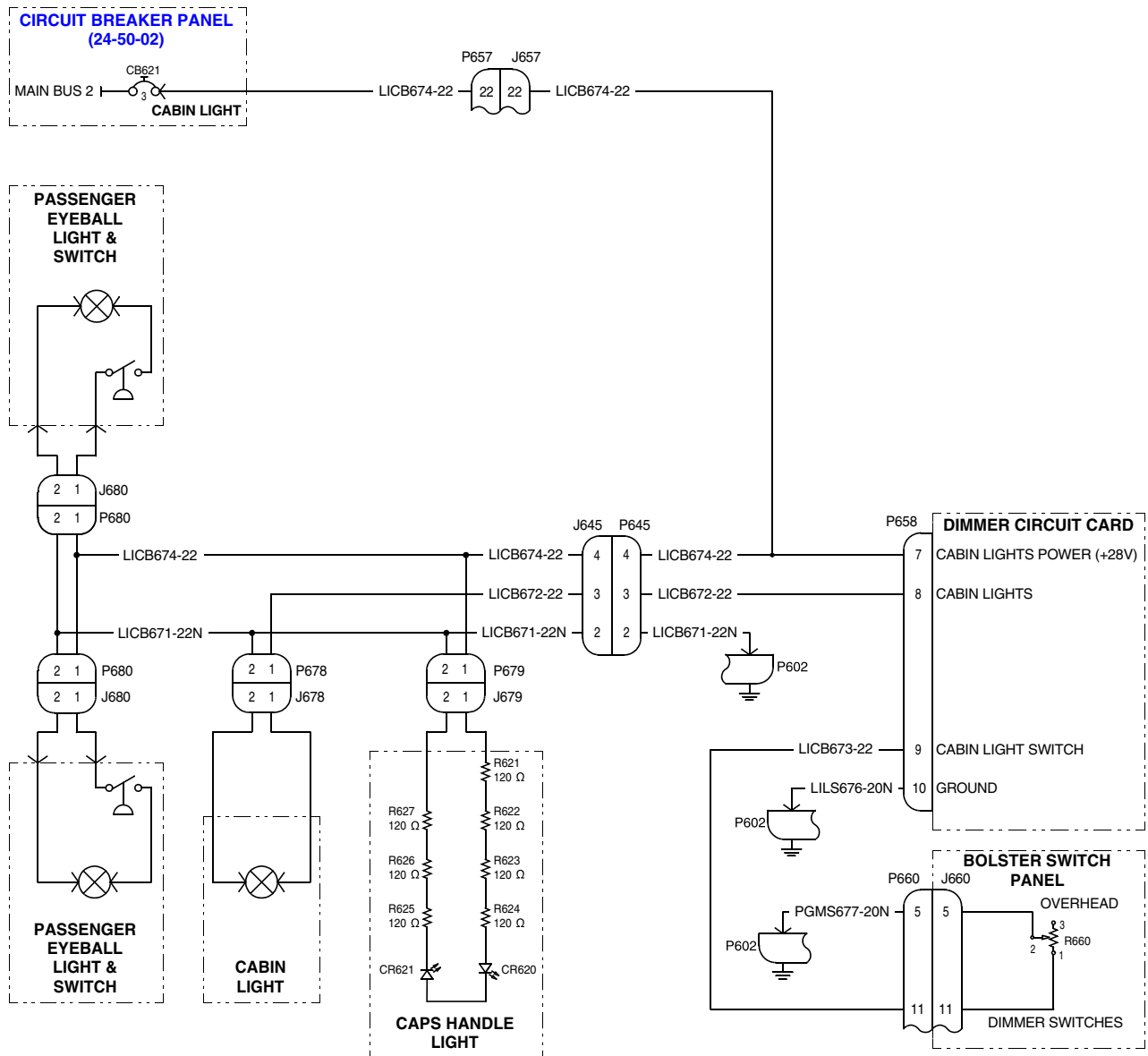
EFFECTIVITY:
Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics



WM24562_05D

Figure-01
Flight Compartment Lighting - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics



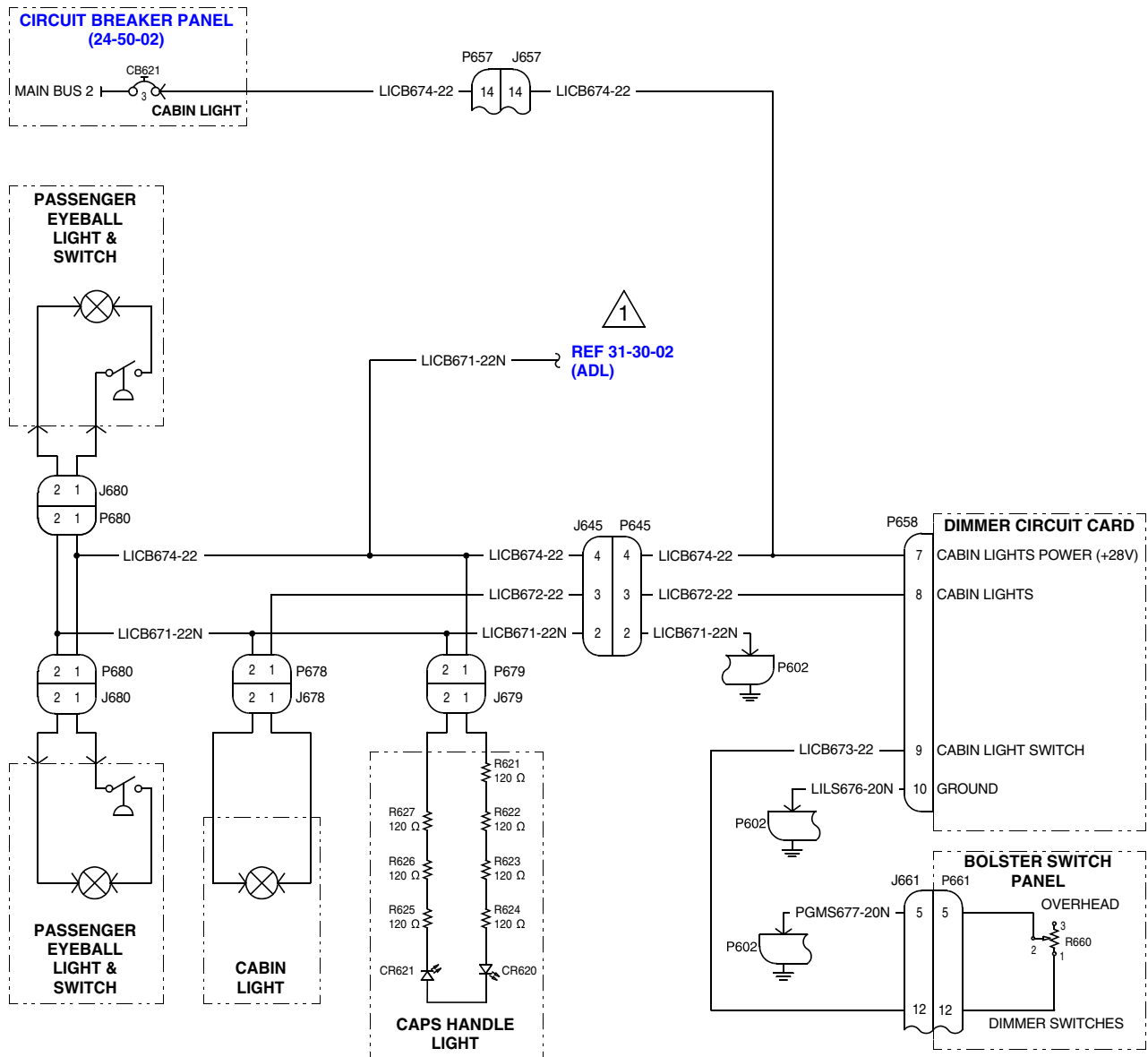
NOTES

Refer to 91-10-00 for connector and pin information.

WM12974-02A

Figure-01
Passenger Compartment Lighting - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267



NOTES

Refer to 91-10-00 for connector and pin information.

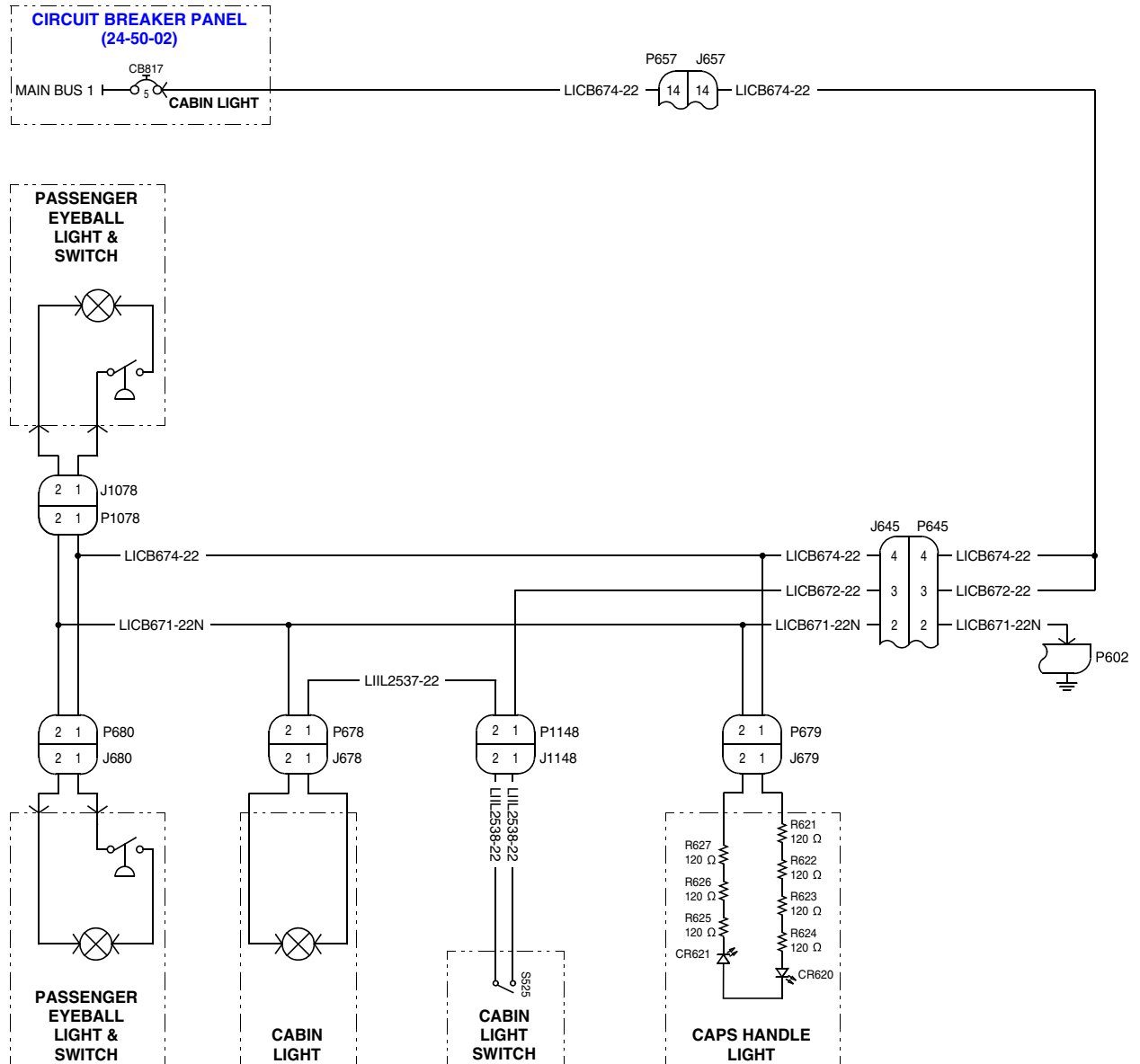
△ Serials 1878, 1886 & subs.

WM15394-07A

Figure-01

Passenger Compartment Lighting - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics



NOTES

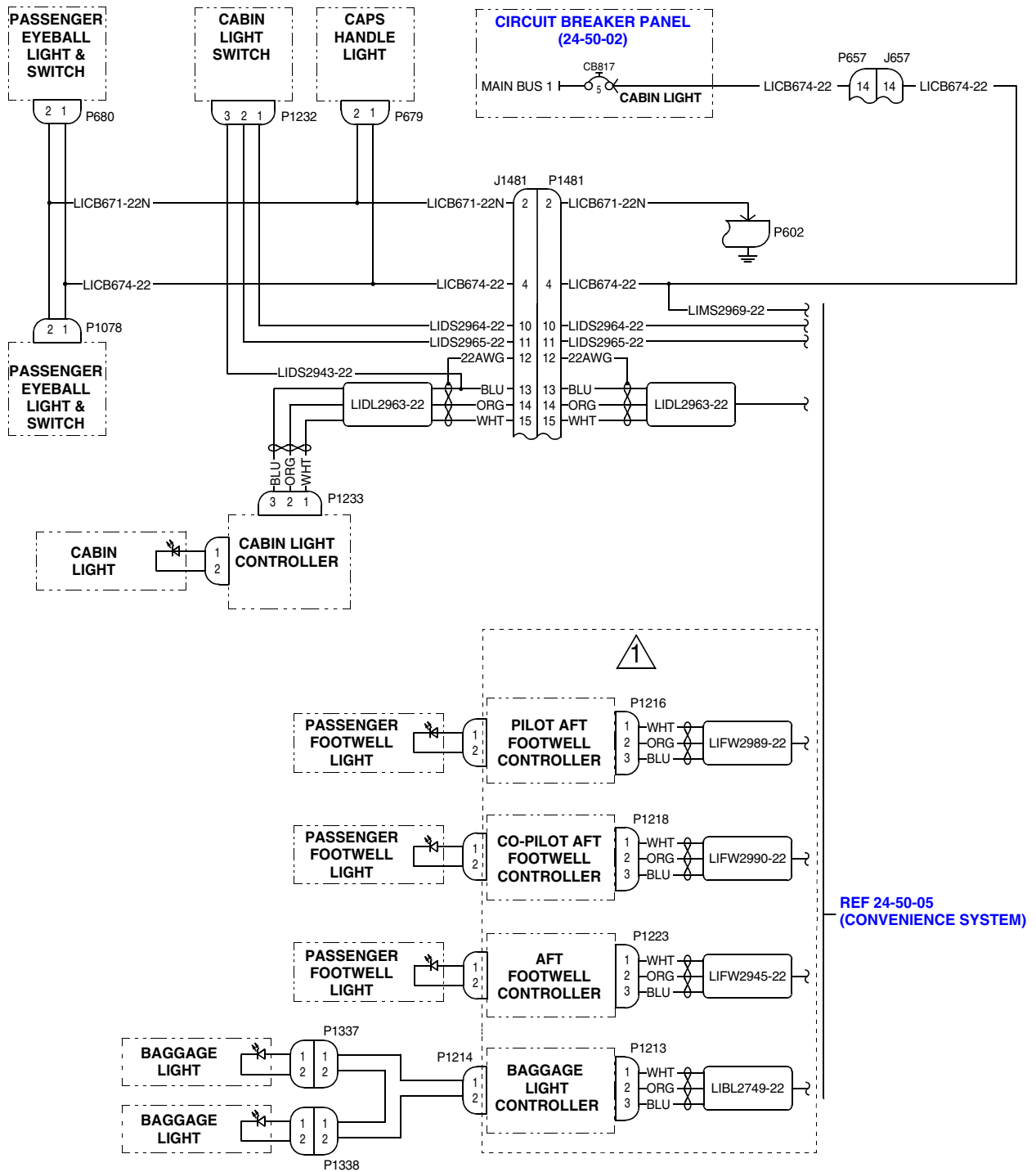
Refer to 91-10-00 for connector and pin information.

WM24562_19

Figure-01

Passenger Compartment Lighting - Serials 2016 thru 2302 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2302 w/ Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

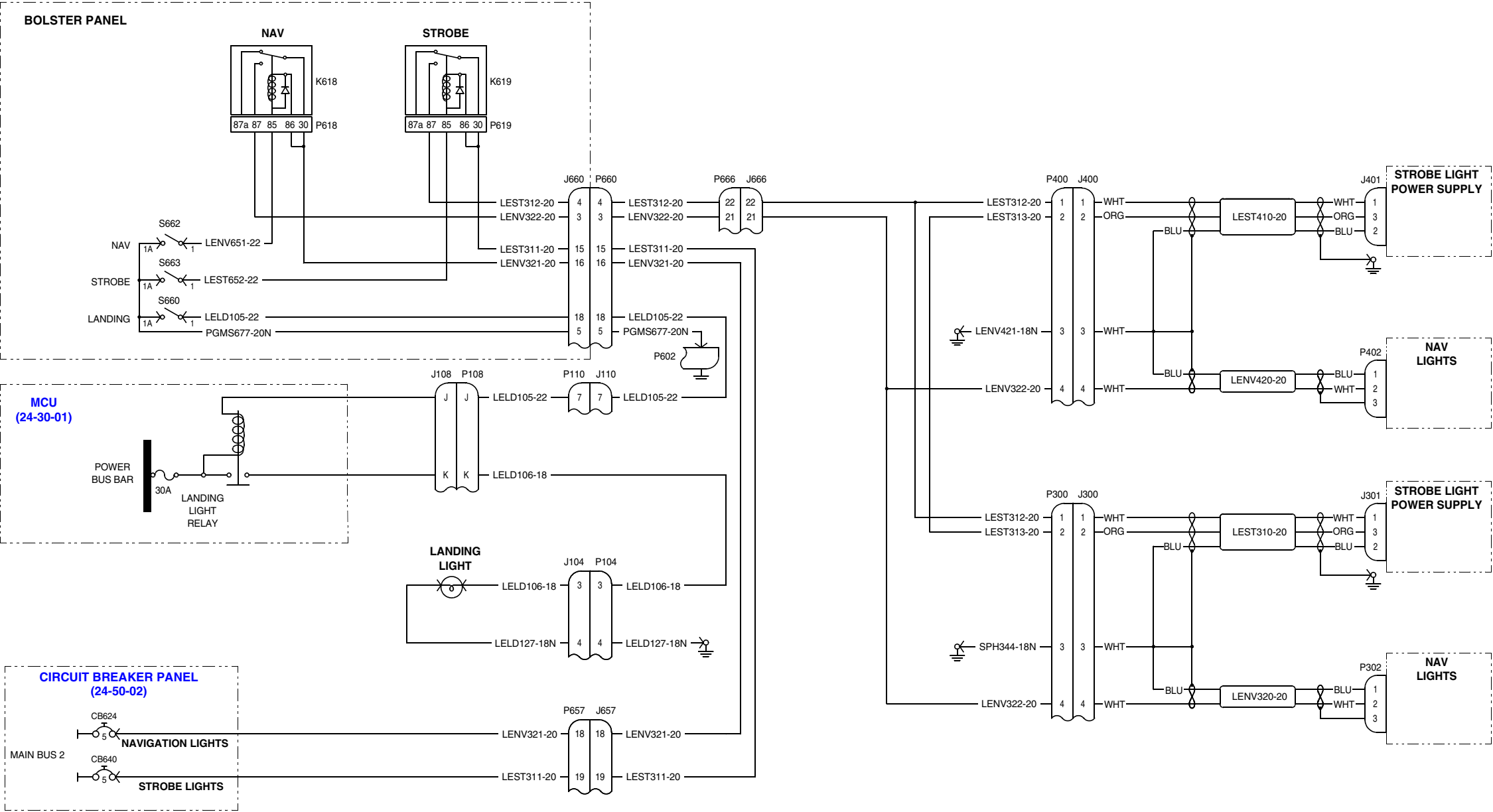
1 Serials 2303 & subs w/ Convenience Lighting.

WM37073_01B

Figure-01
Passenger Compartment Lighting - Serials 2303 & subs

EFFECTIVITY:
Serials 2303 & subs

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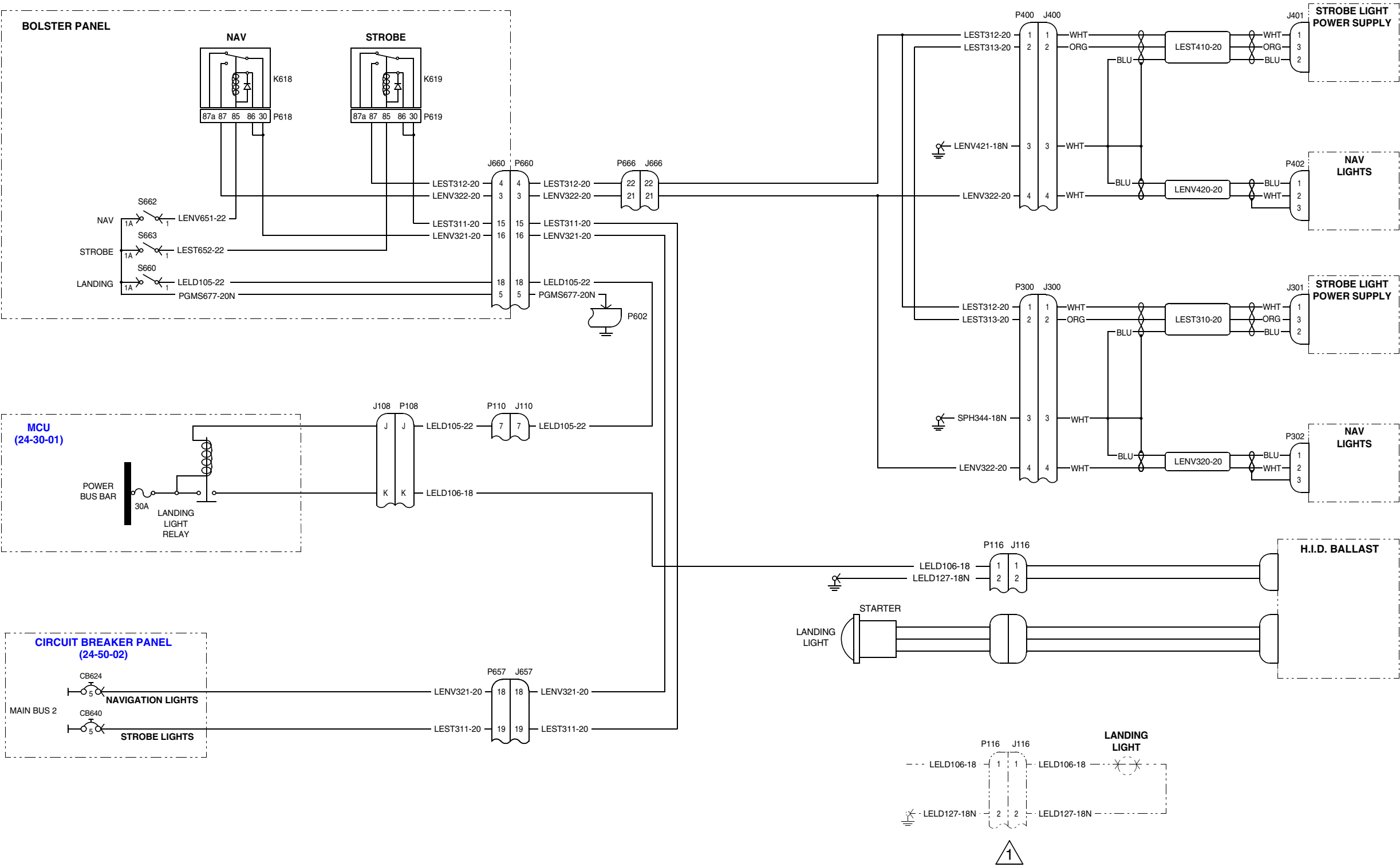


NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Exterior Lighting - Serials 1005 thru 1147

EFFECTIVITY:
Serials 1005 thru 1147

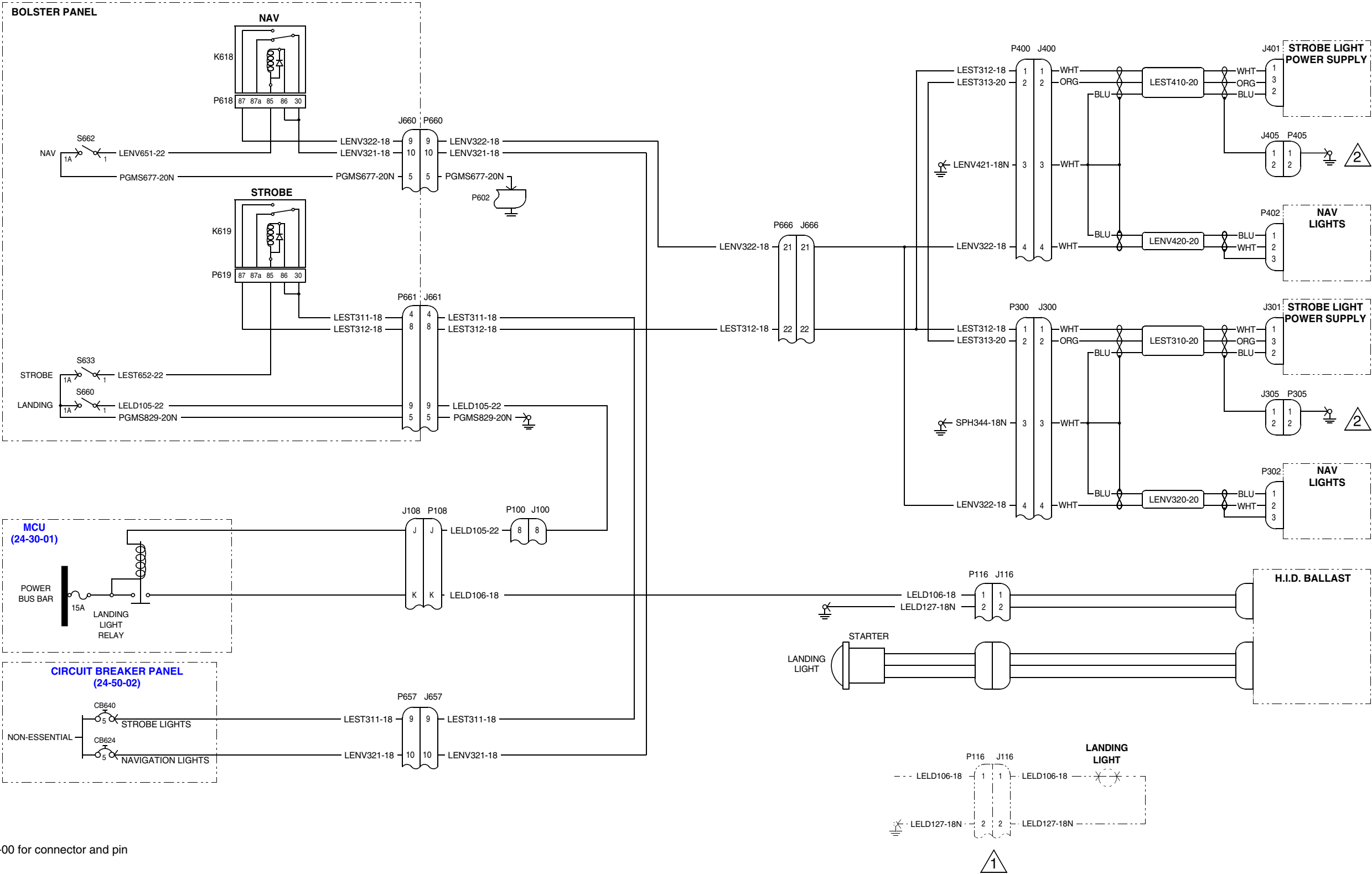


NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 1148 thru 1267 w/ halogen light.

Figure-01
Exterior Lighting - Serials 1148 thru 1267



NOTES

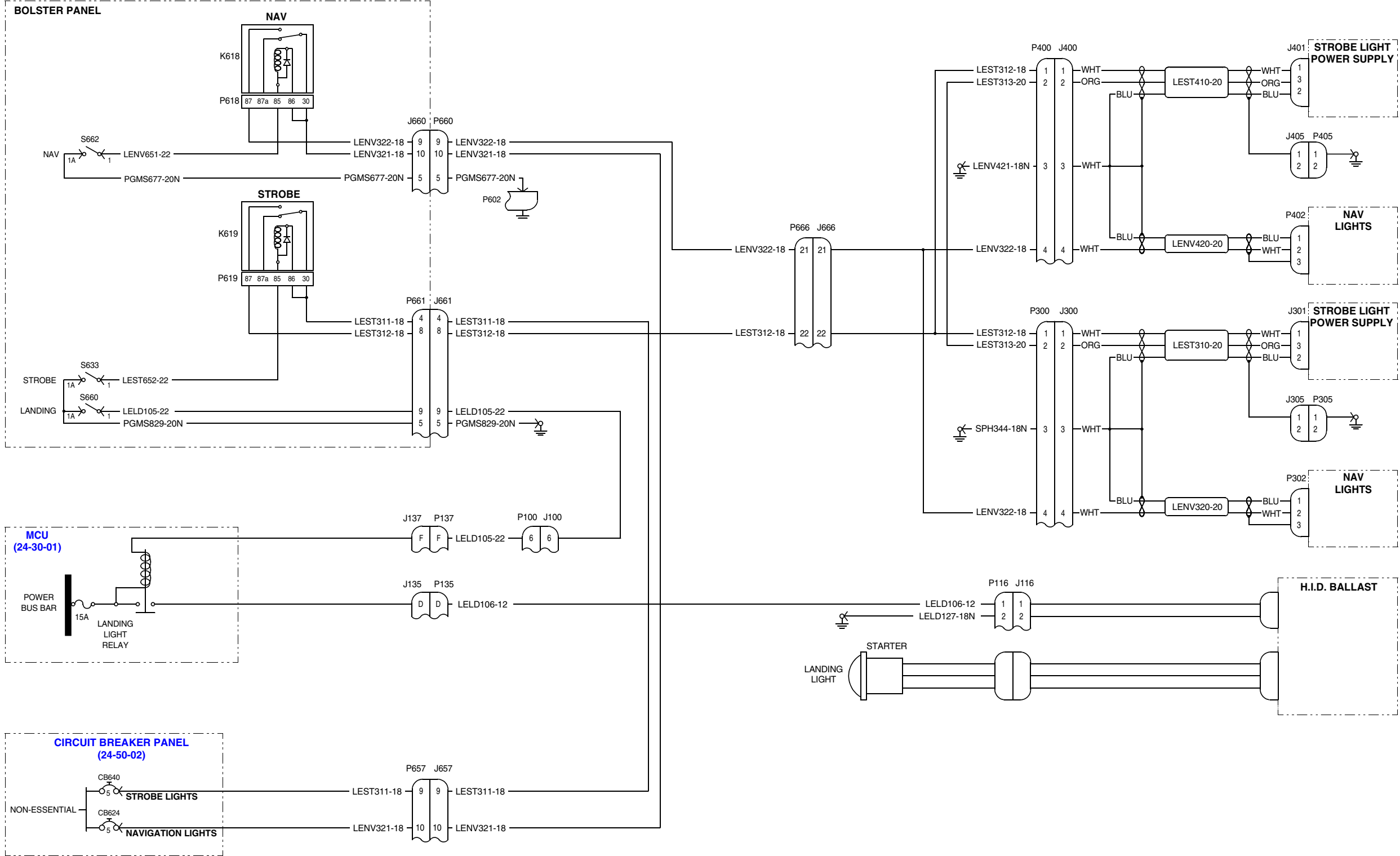
Refer to 91-10-00 for connector and pin information.

1 Serials 1268 thru 1422 w/ halogen light.

2 Serials 1317 thru 1581.

Figure-01
Exterior Lighting - Serials 1268 thru 1581

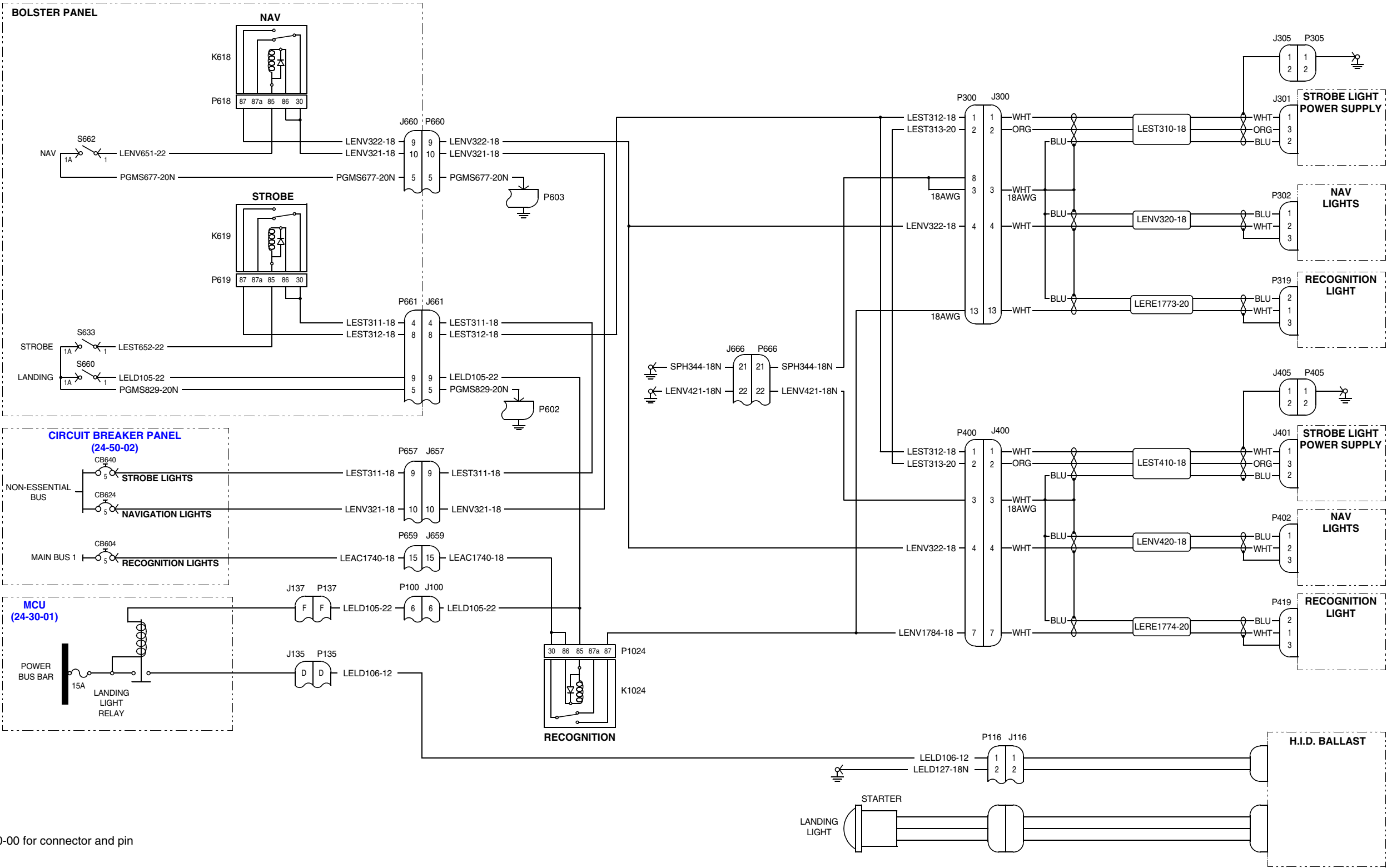
EFFECTIVITY:
Serials 1268 thru 1581



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Exterior Lighting - Serials 1582 thru 1877, 1879 thru 1885



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Exterior Lighting - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics

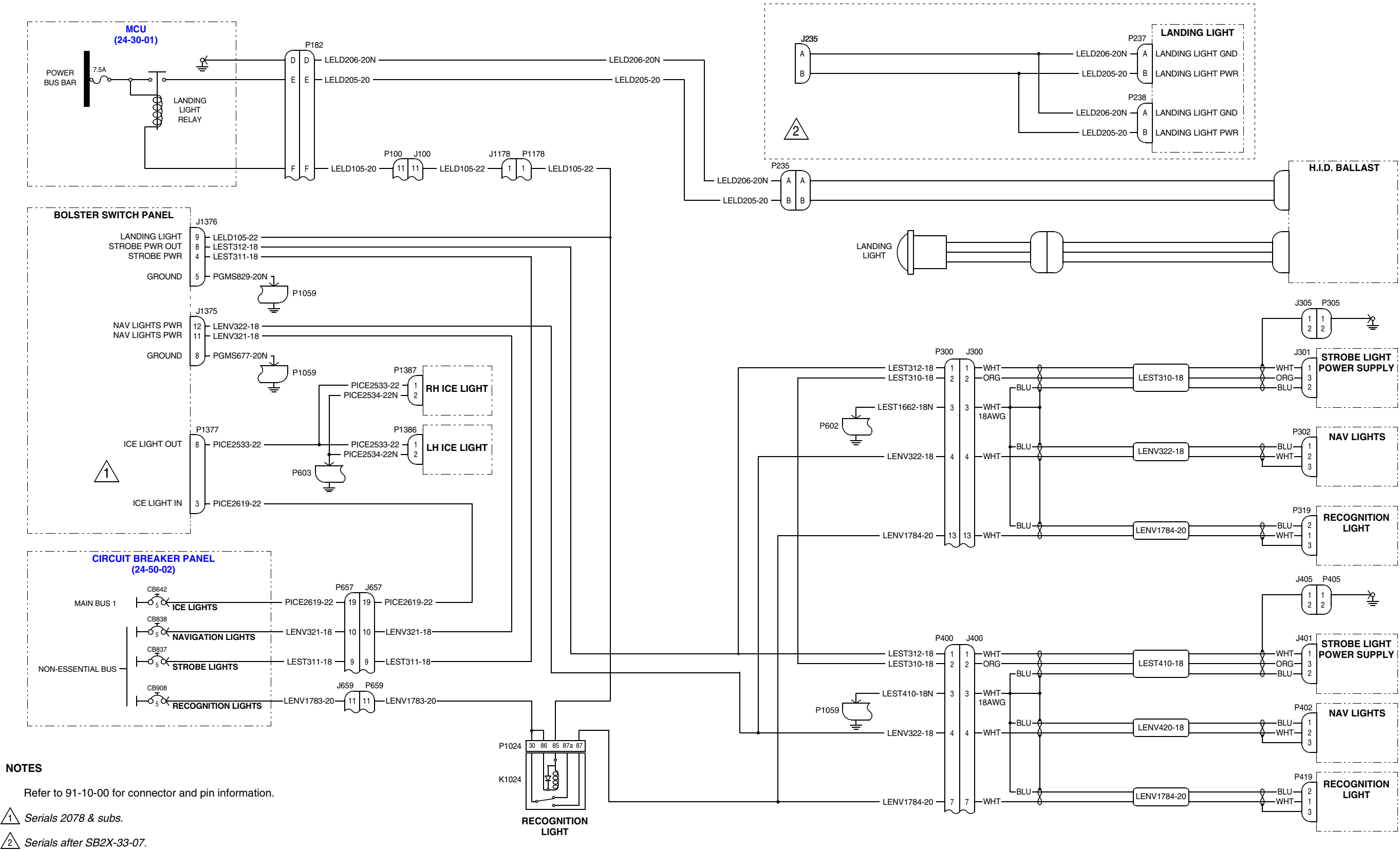


Figure-01
Exterior Lighting - Serials 2016 thru 2155 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

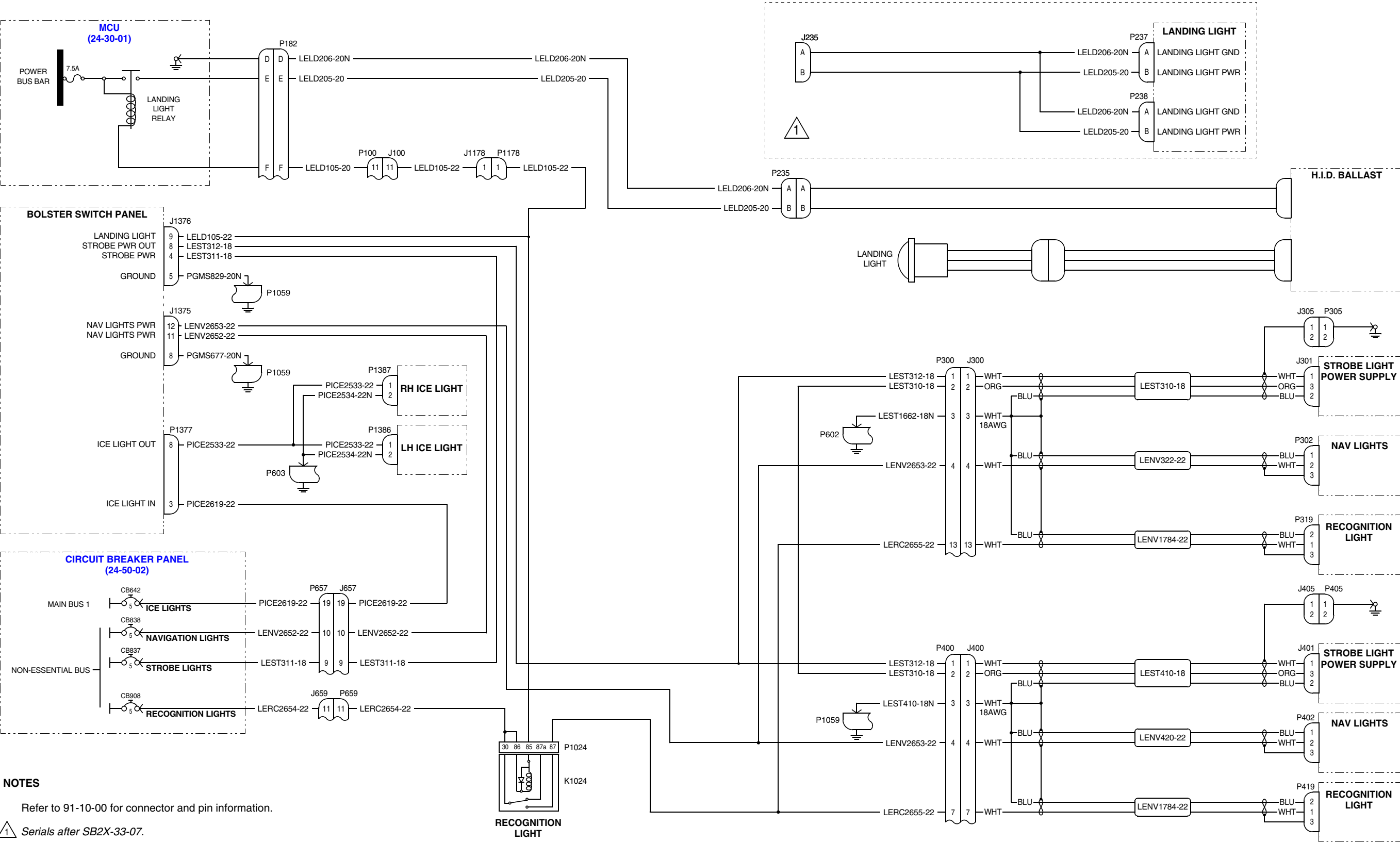
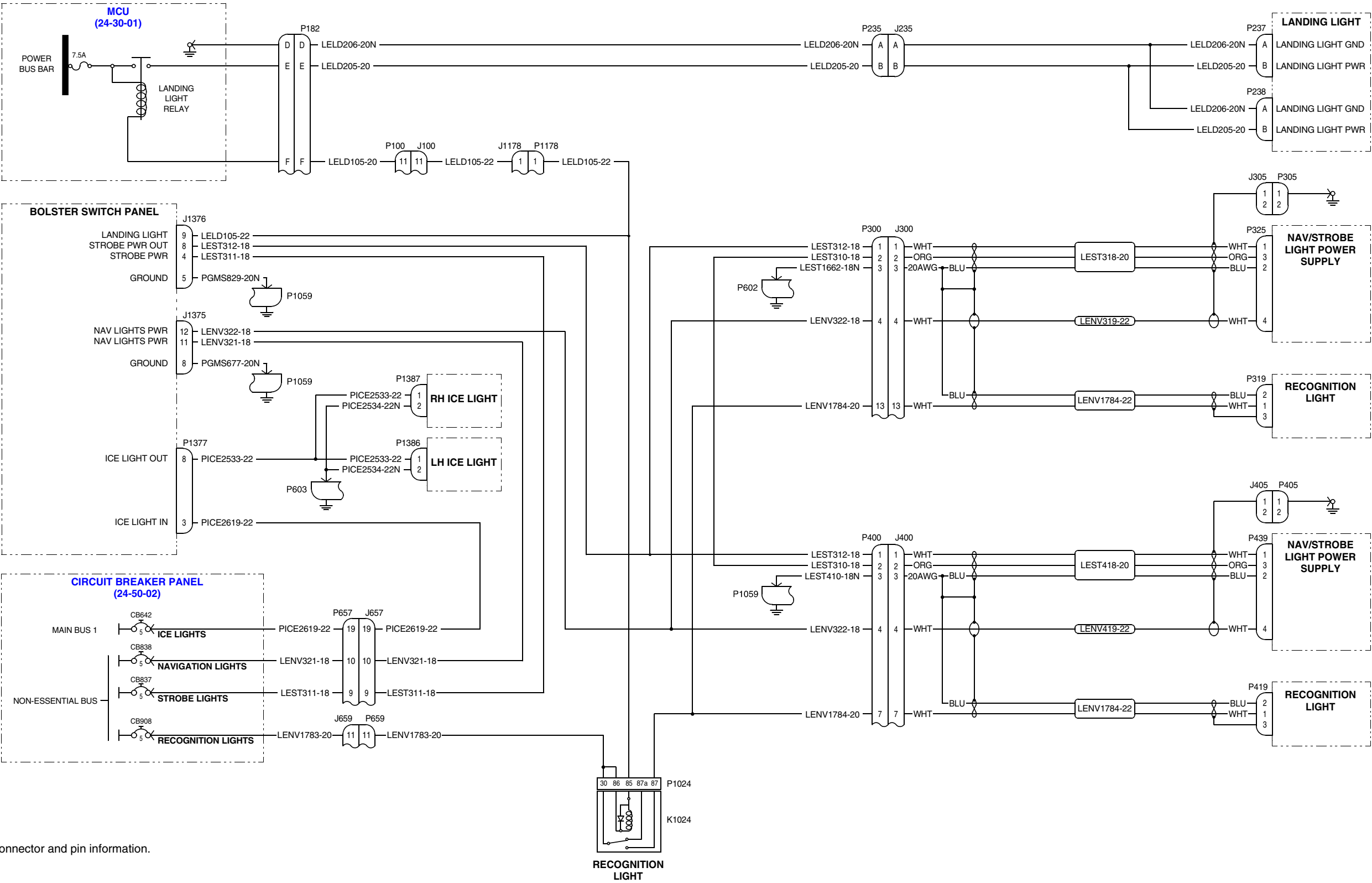


Figure-01
Exterior Lighting - Serials 2156 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2156 & subs w/ Perspective Avionics



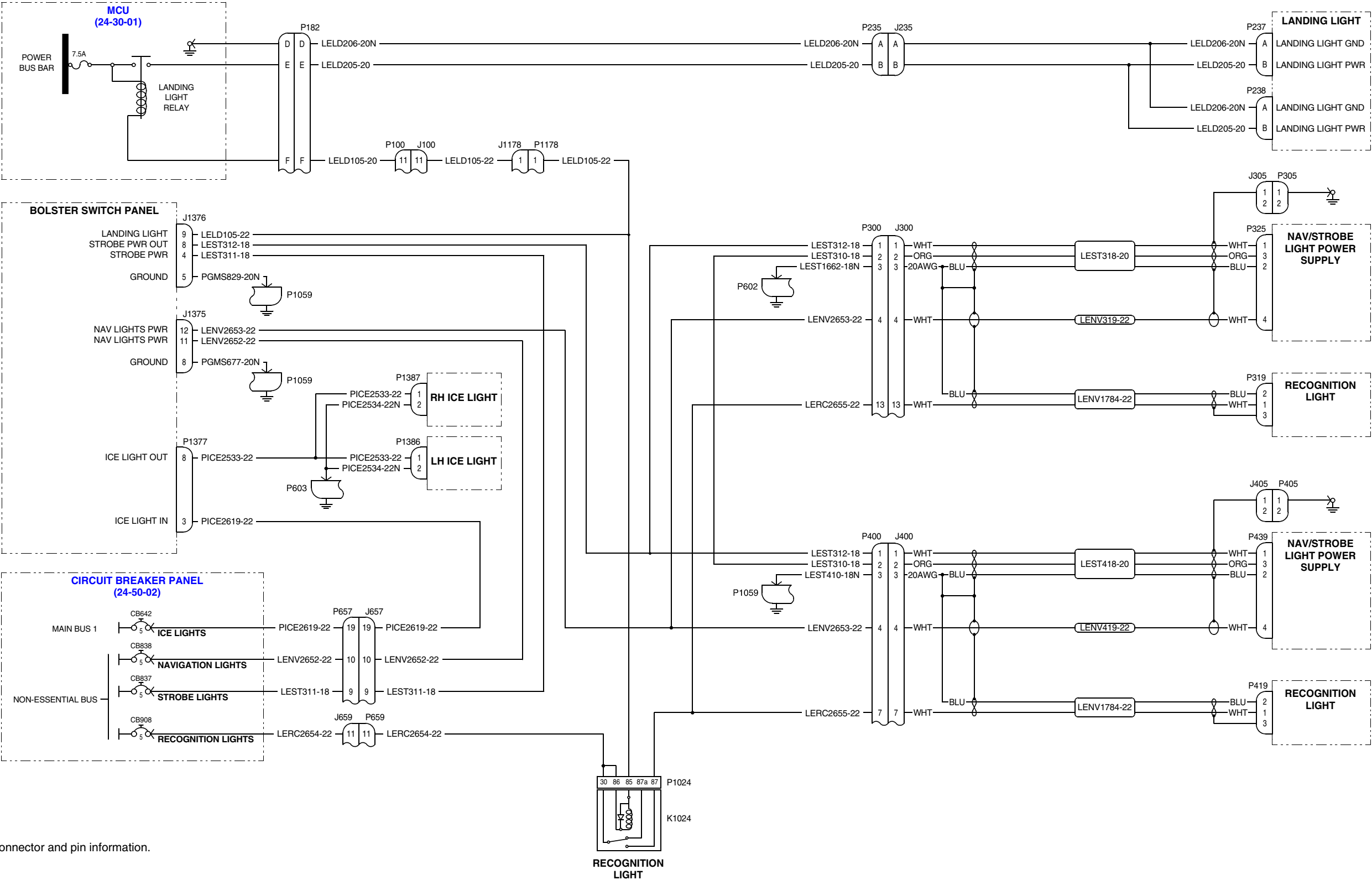
NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01

Exterior Lighting - Serials 2127 thru 2155 w/ LED Lights

EFFECTIVITY:
Serials 2127 thru 2155 w/ LED Lights



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Exterior Lighting - Serials 2156 thru 2240 w/ LED Lights

EFFECTIVITY:
Serials 2156 thru 2240 w/ LED Lights

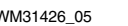
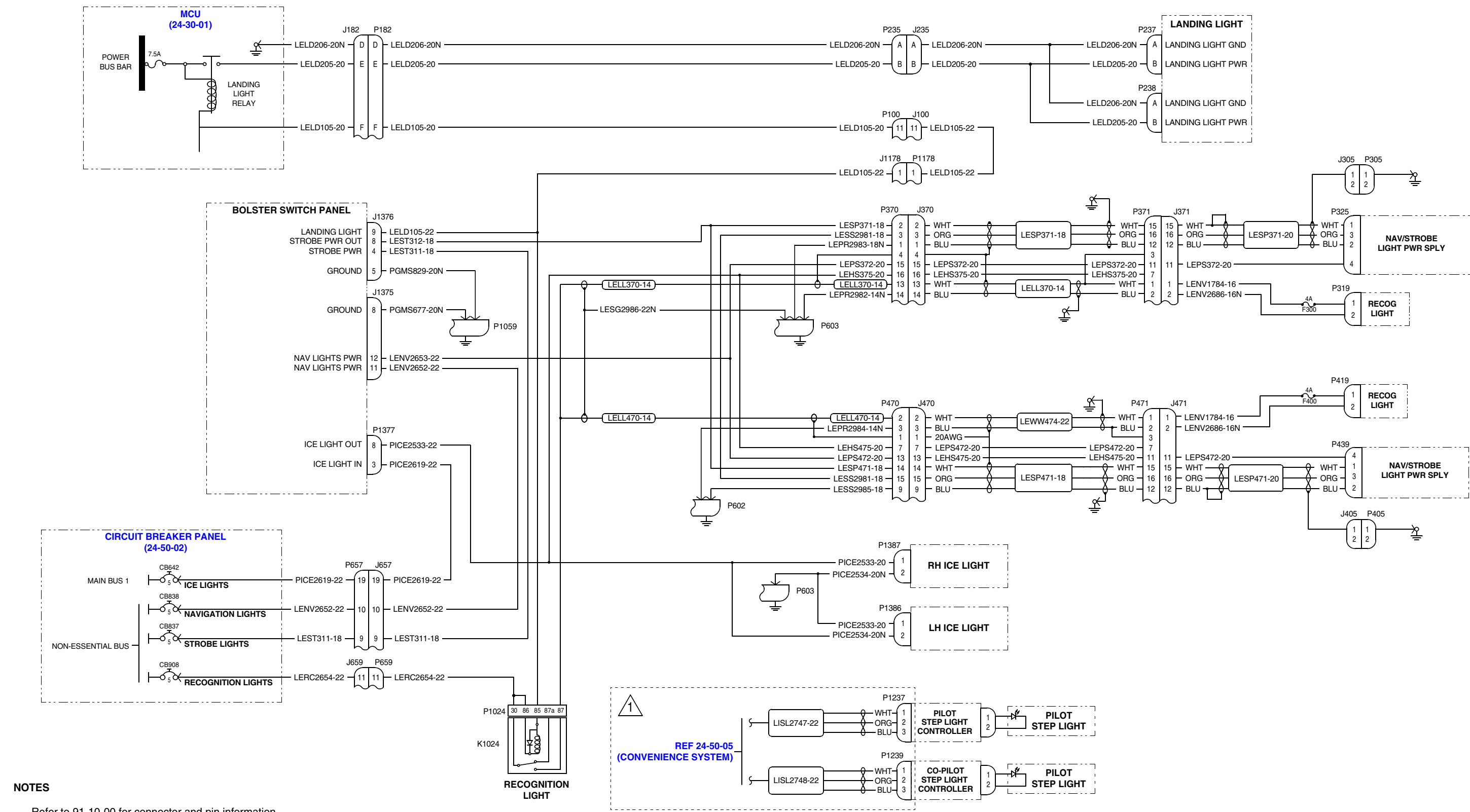


Figure-01

EFFECTIVITY:



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2303 & subs w/ Convenience Lighting.

Figure-01
Exterior Lighting - Serials 2303 & subs

EFFECTIVITY:
Serials 2303 & subs

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**NAVIGATION AND
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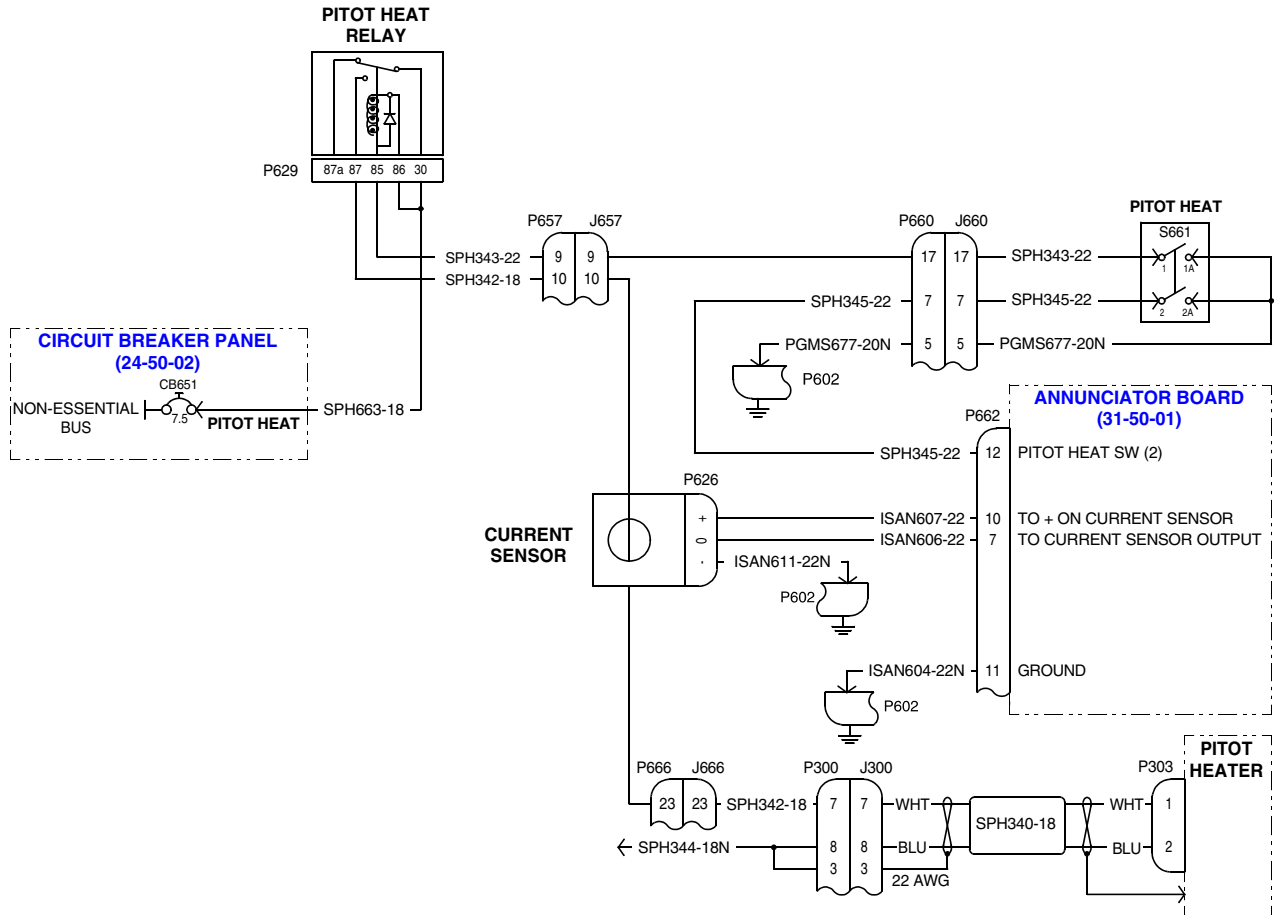
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Transponder (GTX 327) - Serials 1100 thru 1336, Config. "A"	34-50-05
Transponder (GTX 327) - Serials 1148 thru 1178, Config. "B" & "C"	34-50-05
Transponder (GTX 327) - Serials 1179 thru 1336, Config. "B" & "C"	34-50-05
Transponder (GTX 327) - Serials 1337 thru 1440	34-50-05
Transponder (GTX 327) - Serials 1441 & subs w/o Perspective Avionics	34-50-05
Mode C Transponder (GTX 32) - Serials 2016 & subs w/ Perspective Avionics	34-50-05
Mode S Transponder (GTX 330) - Serials 1359 & subs w/o Perspective Avionics	34-50-05
Mode S Transponder (GTX 33) - Serials 2016 & subs w/ Perspective Avionics	34-50-05
Automatic Direction Finder (ADF) - Serials 2016 & subs w/ Perspective Avionics	34-50-06
Automatic Direction Finder (ADF) - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics	34-50-06
Distance Measuring Equipment (DME) - Serials 2016 & subs w/ Perspective Avionics	34-50-07
XM Radio/Weather - Serials 1456 & subs w/o Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2016 thru 2126 w/o Audio, w/ Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2127 & subs w/o Audio, w/ Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2127 & subs w/o Audio, w/ Iridium, w/ Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2016 thru 2126 w/ Audio, w/ Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2127 thru 2302 w/ Audio, w/ Perspective Avionics	34-50-08
XM Radio/Weather - Serials 2127 thru 2302 w/ Audio, w/ Iridium, w/ Perspective Avionics	34-50-08
Iridium Weather - Serials 2127 & subs, w/ Perspective Avionics	34-50-08
Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ Iridium, w/ XM Receiver	34-50-08
Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ Iridium, w/o XM Receiver	34-50-08
Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ XM Receiver, w/o Iridium	34-50-08
Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ FS210	34-50-08
FMS Key Pad - Serials 2016 & subs w/ Perspective Avionics	34-60-01

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NOTES

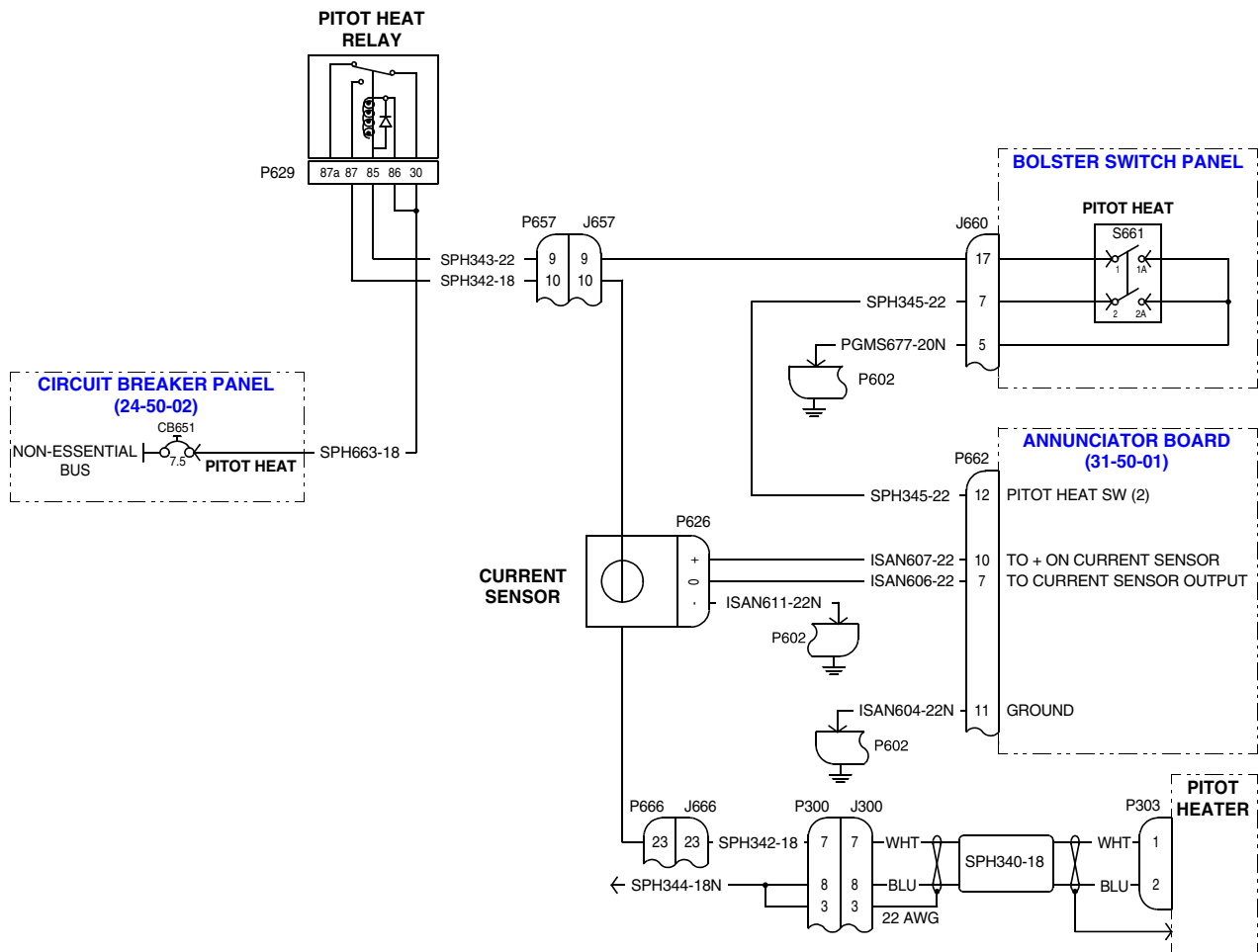
Refer to 91-10-00 for connector and pin information.

WM11718_01B

Figure-01
Pitot Heat System - Serials 1005 thru 1183

EFFECTIVITY:
Serials 1005 thru 1183

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NOTES

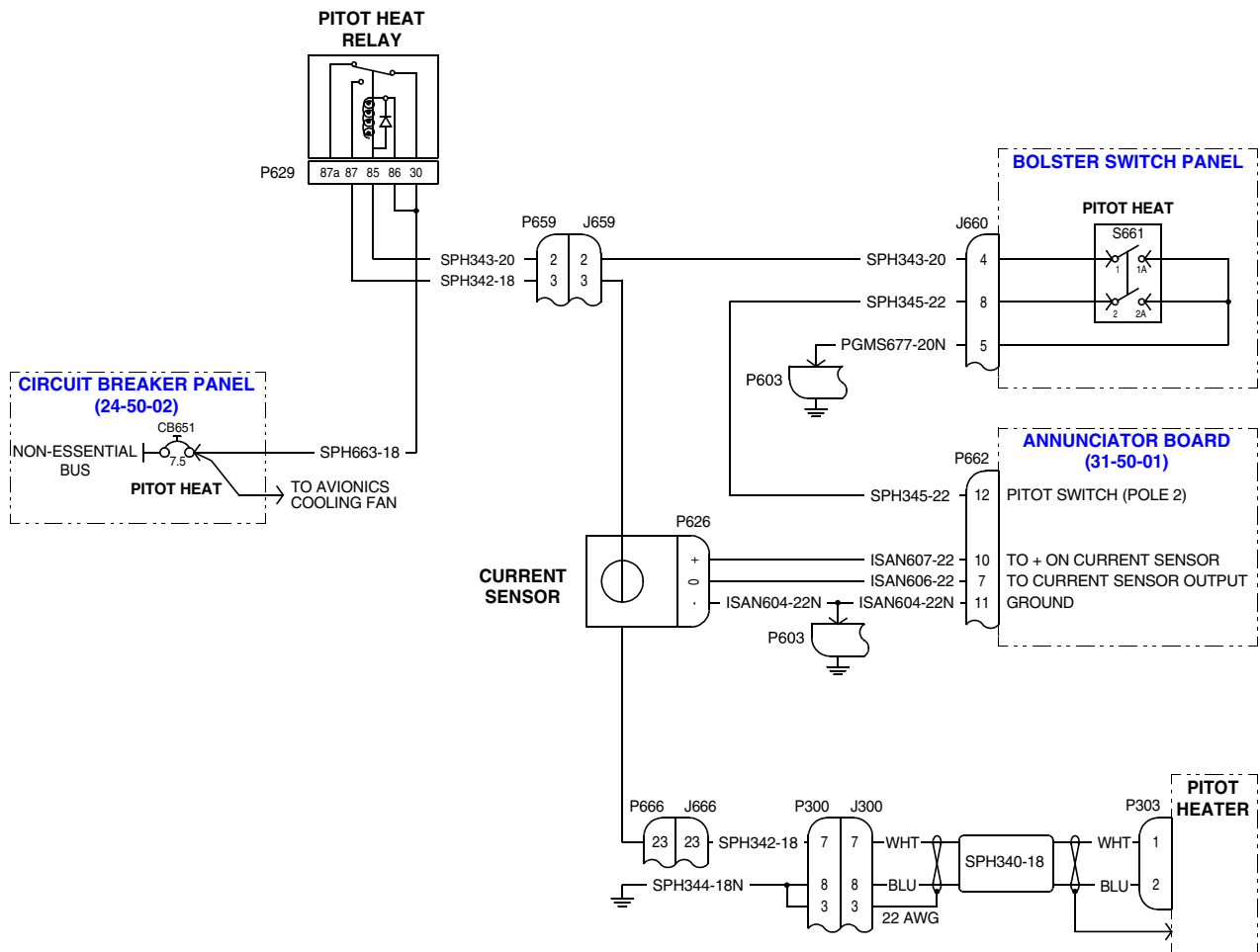
Refer to 91-10-00 for connector and pin information.

WM11718_02A

Figure-01
Pitot Heat System - Serials 1184 thru 1267

EFFECTIVITY:
Serials 1184 thru 1267

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NOTES

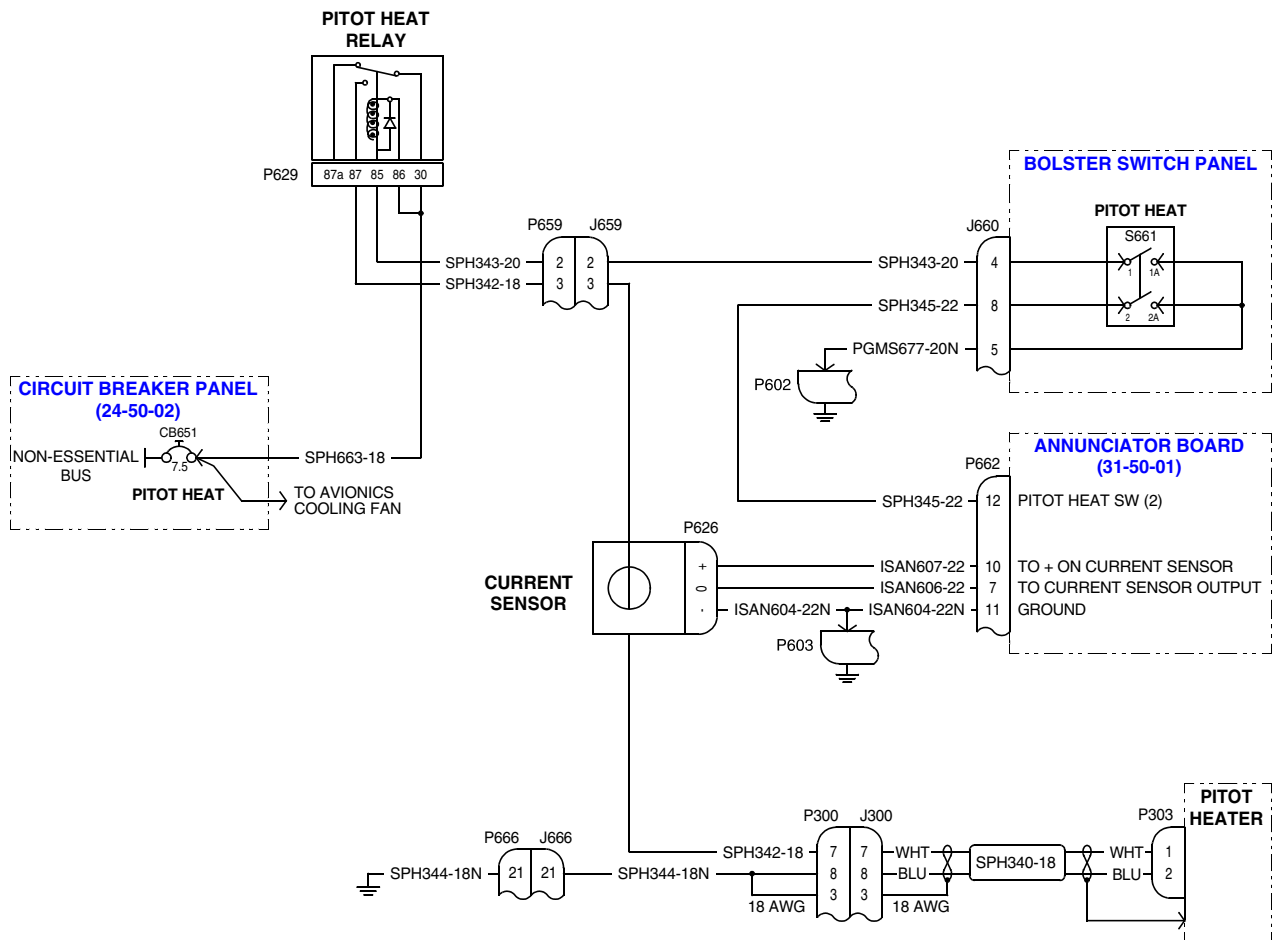
Refer to 91-10-00 for connector and pin information.

WM15394_08A

Figure-01
Pitot Heat System - Serials 1268 thru 1877, 1879 thru 1885

EFFECTIVITY:
Serials 1268 thru 1877, 1879 thru 1885

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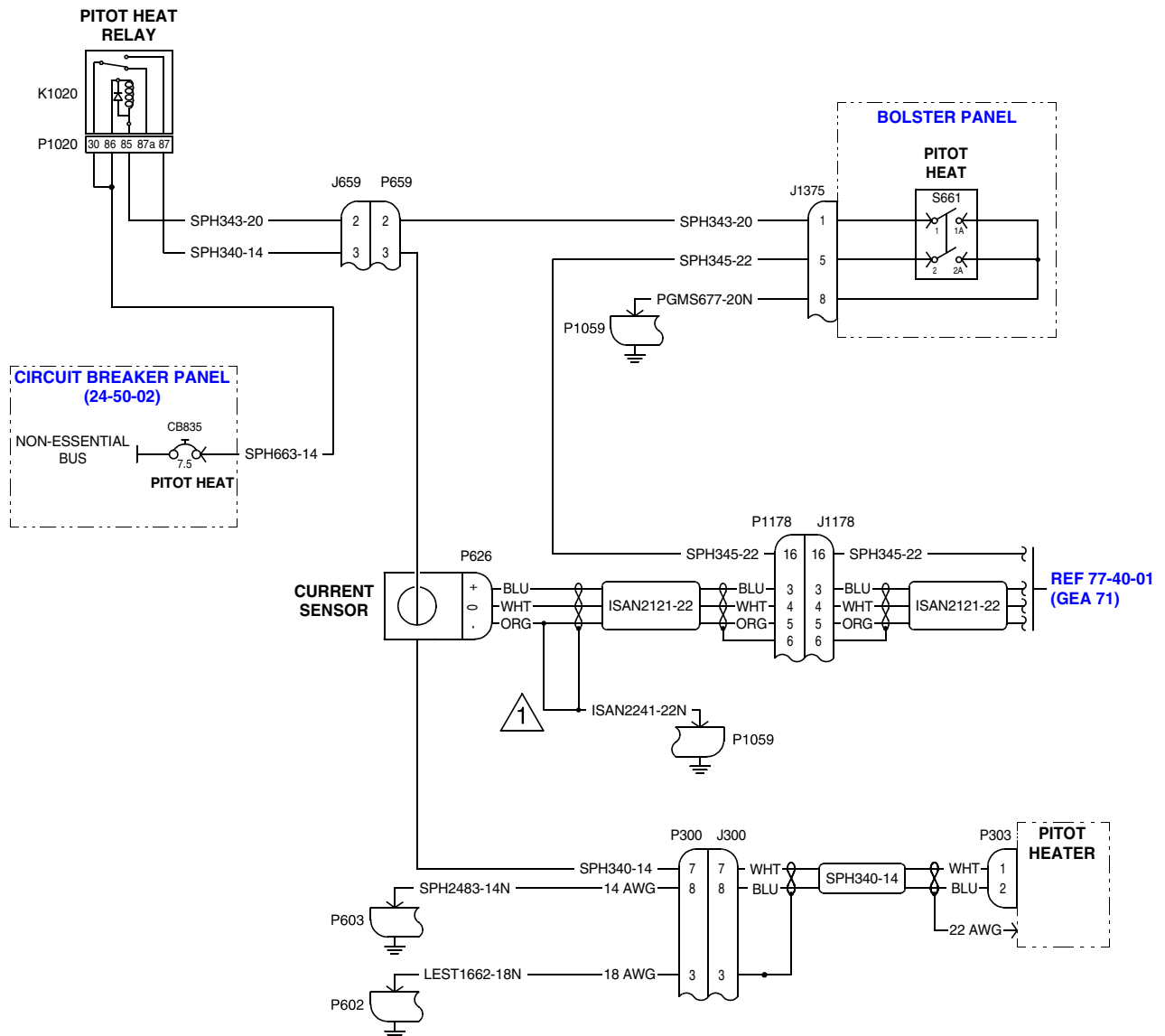
NOTES

Refer to 91-10-00 for connector and pin information.

WM18527_02

Figure-01
Pitot Heat System - Serials 1878, 1886 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1878, 1886 & subs w/o Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

Serials 2016 thru 2064 only.

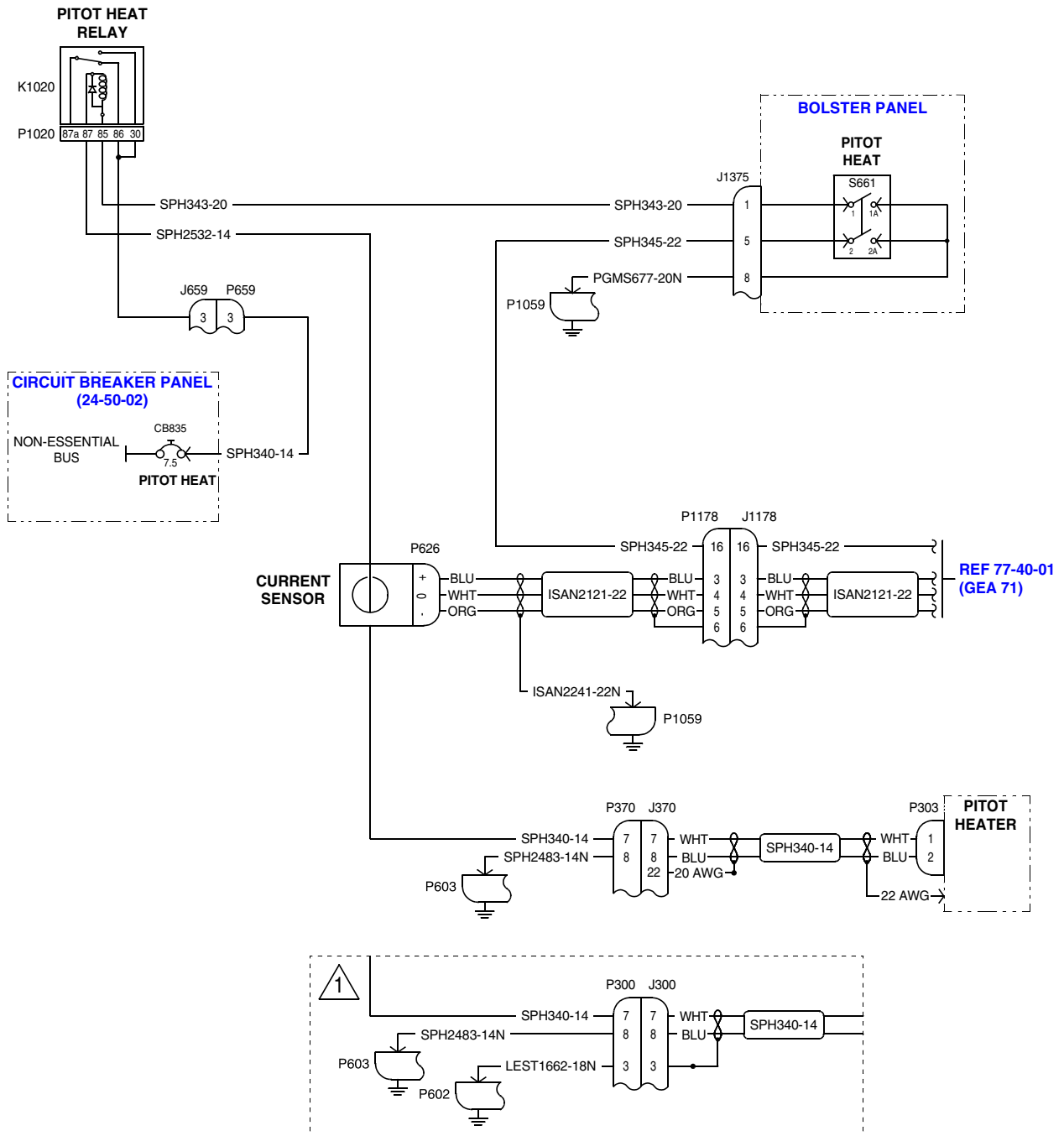
WM24562_28A

Figure-01

Pitot Heat System - Serials 2016 thru 2155 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2156 thru 2240.

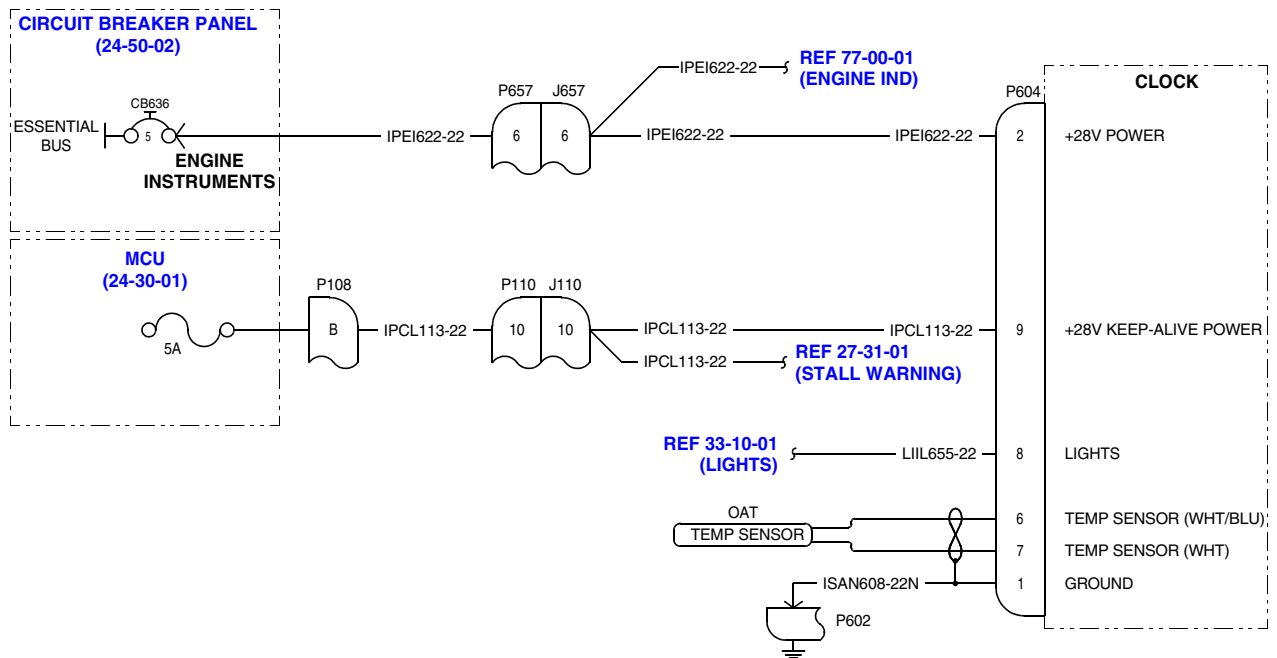
WM26333_12A

Figure-01

Pitot Heat System - Serials 2156 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2156 & subs w/ Perspective Avionics

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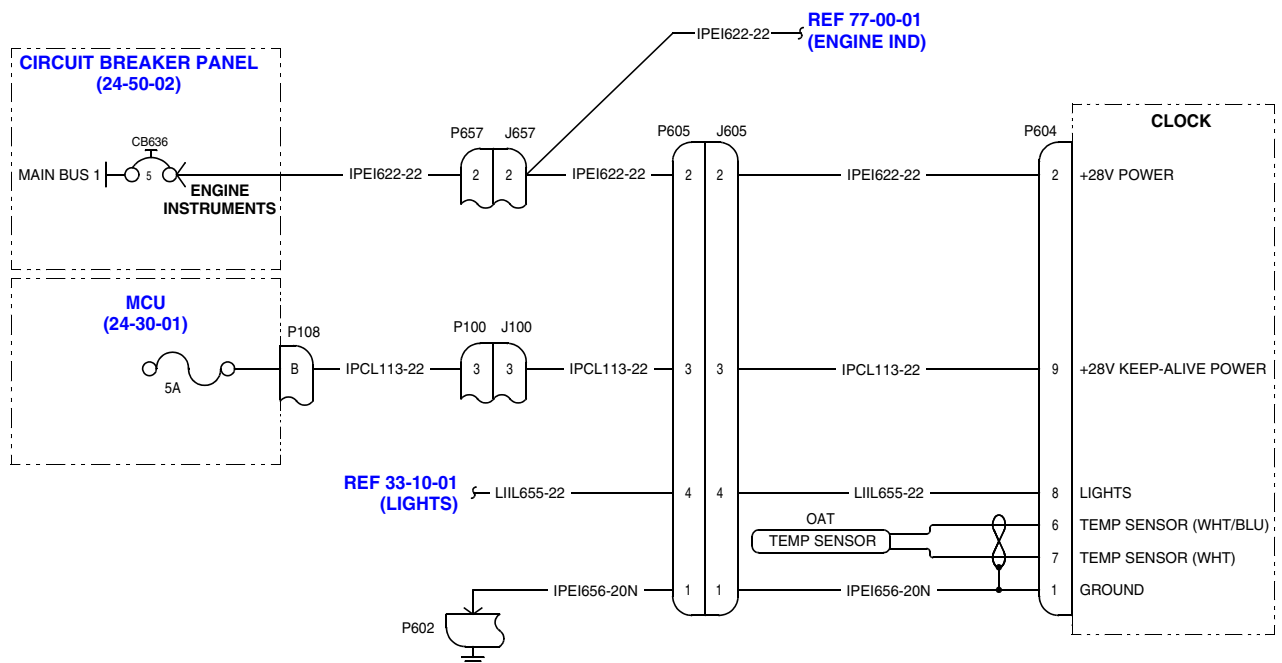
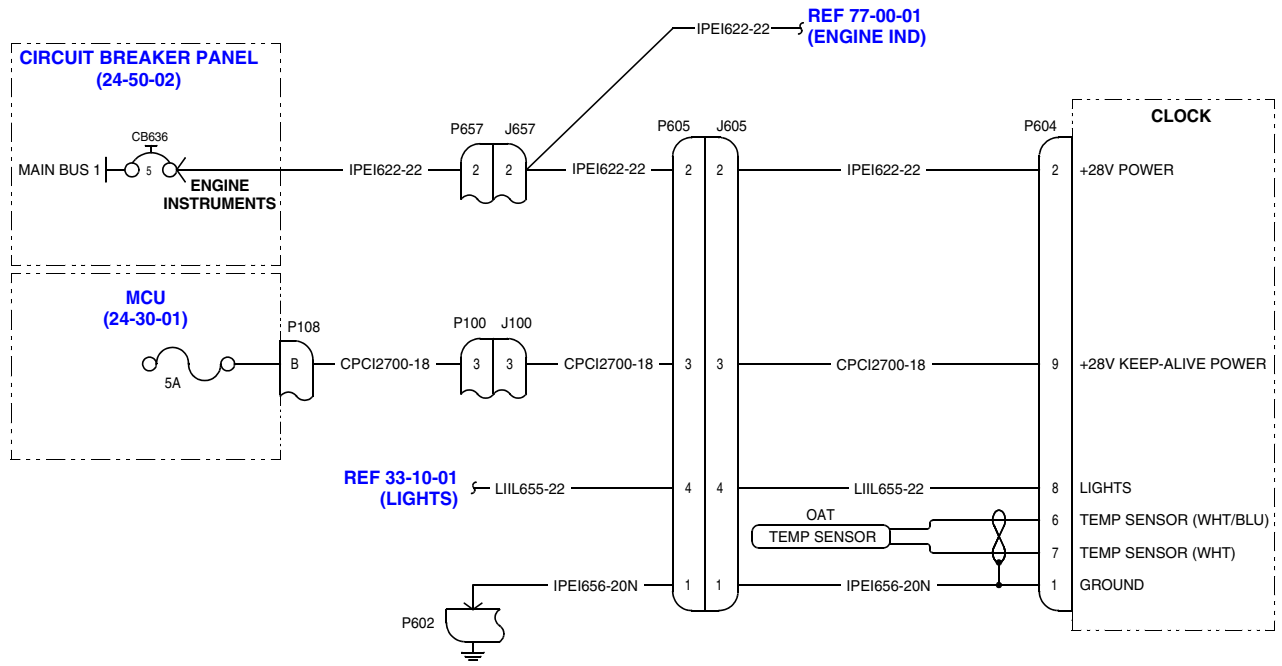
Refer to 91-10-00 for connector and pin information.

WM11706-01A

Figure-02
Clock/OAT Gage - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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NOTES

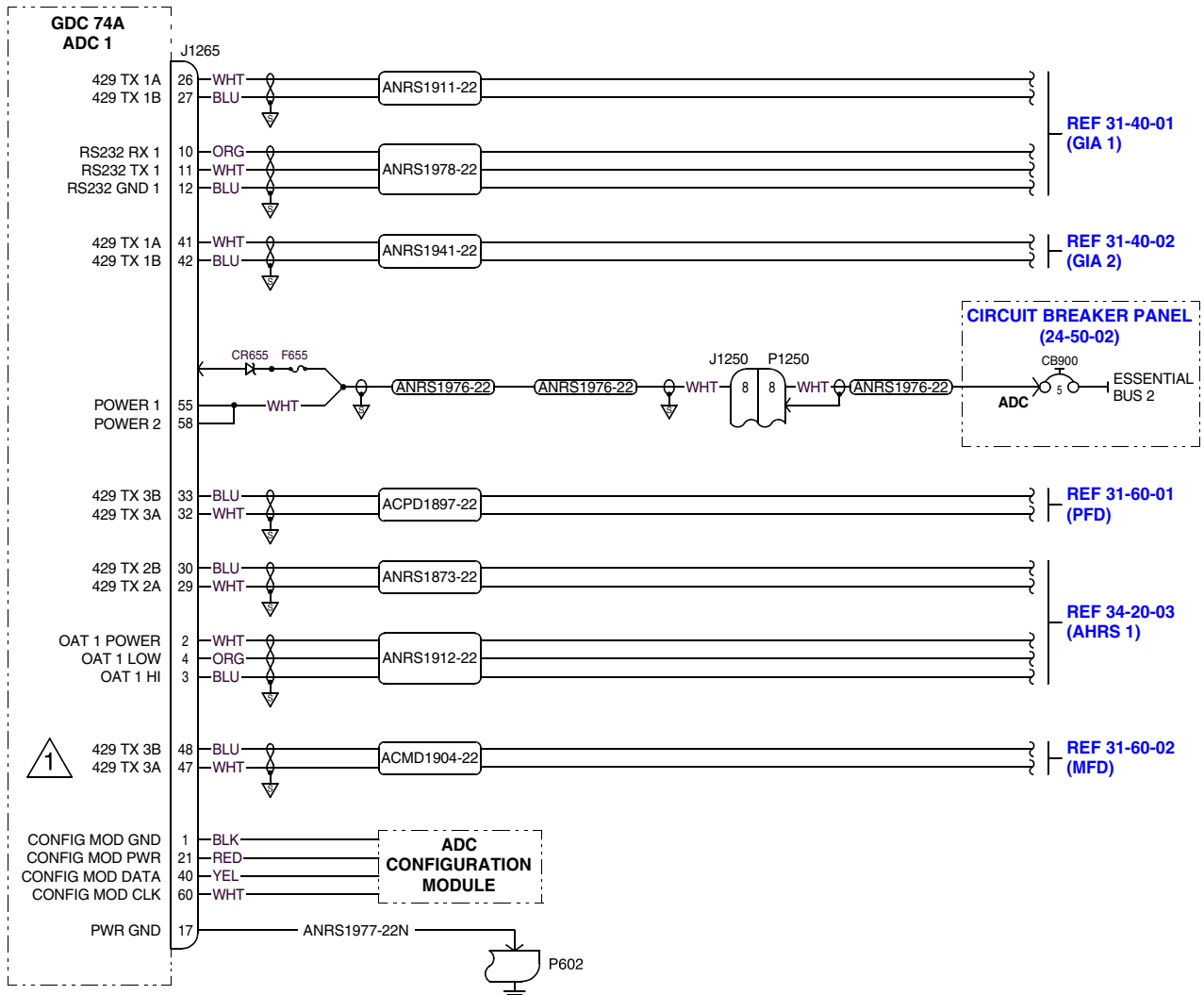
Refer to 91-10-00 for connector and pin information.

WM15394-09A

Figure-02
Clock/OAT Gage - Serials 1268 thru 1336

EFFECTIVITY:
Serials 1268 thru 1336

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NOTES

Refer to 91-10-00 for connector and pin information.

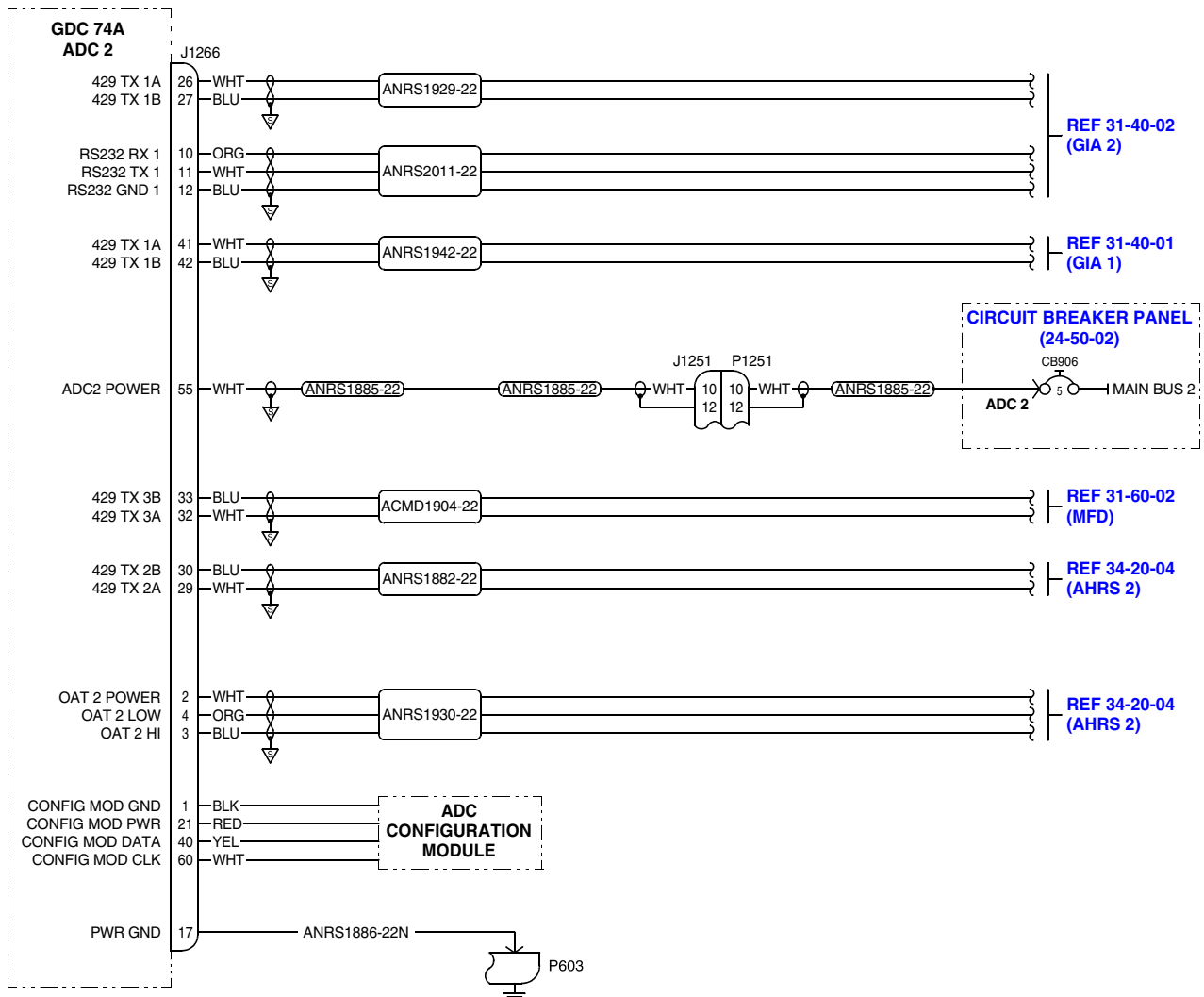
1 Airplanes with single ADC only.

WM24570_11A

Figure-03
Air Data Computer 1 - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

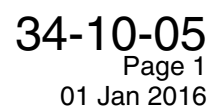
Refer to 91-10-00 for connector and pin information.

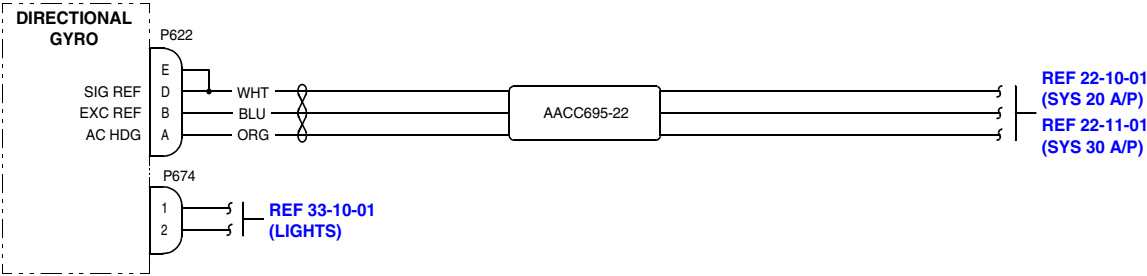
WM24570_13

Figure-04
Air Data Computer 2 - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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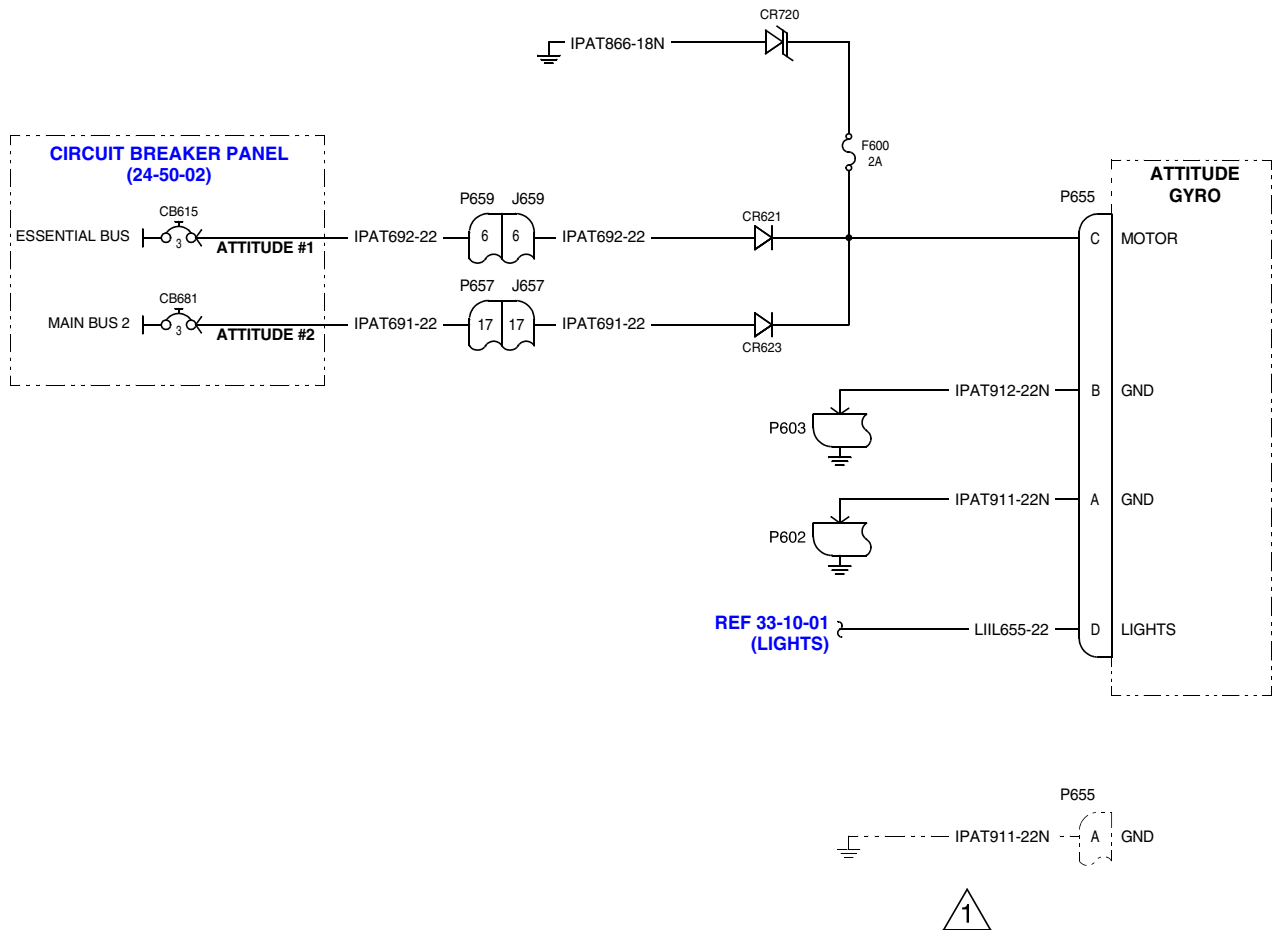
NOTES

Refer to 91-10-00 for connector and pin information.

WM11700_05A

Figure-01
Directional Gyro - Serials 1005 thru 1336, Config. "A"

EFFECTIVITY:
Serials 1005 thru 1336, Config. "A"



NOTES

Refer to 91-10-00 for connector and pin information.

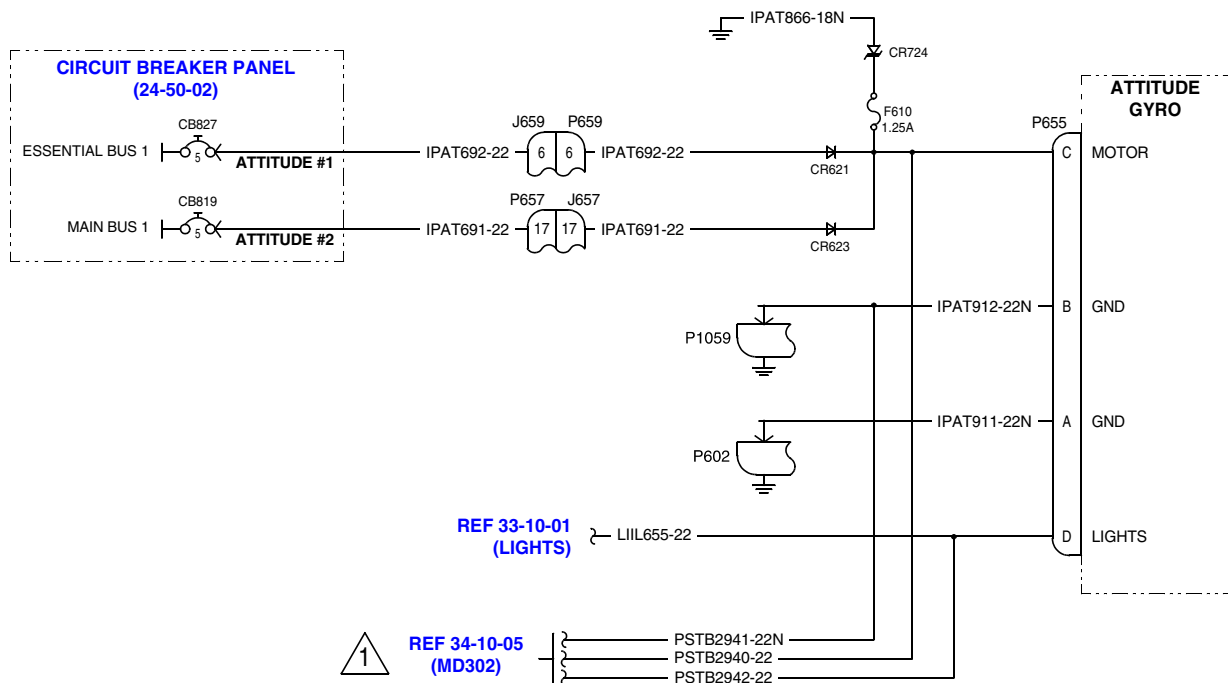
1 Serials 1268 thru 1581.

WM16109_02A

Figure-02
Attitude Indicator - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

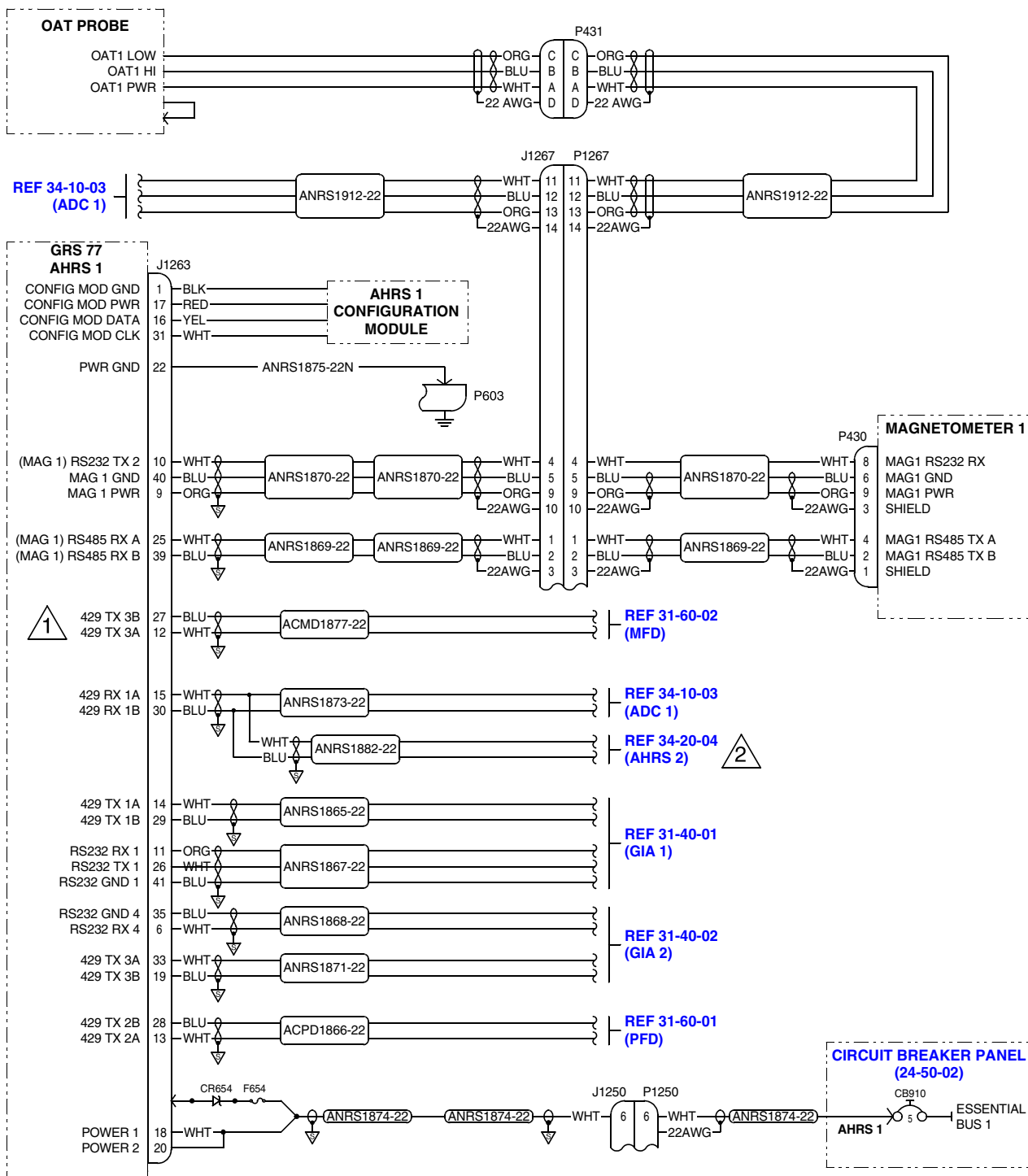
1 Serials 2273 & subs.

WM24562_03B

Figure-02
Attitude Indicator - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

① Airplanes with single AHRS only.

② Airplanes with single ADC only.

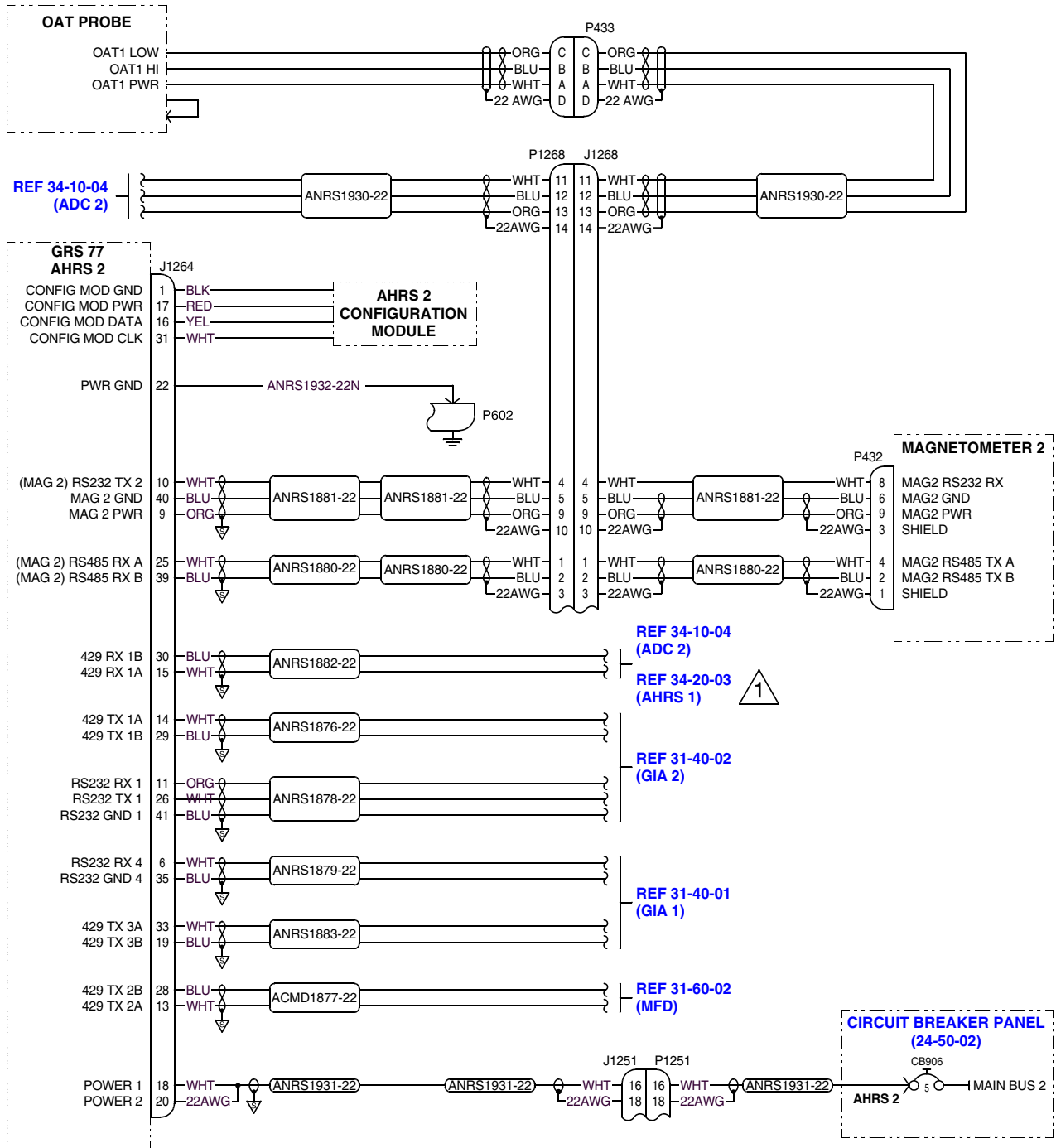
WM24570_15A

Figure-03

Attitude and Heading Reference 1 - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Airplanes with single ADC only.

WM24570_17A

Figure-04

Attitude and Heading Reference 2 - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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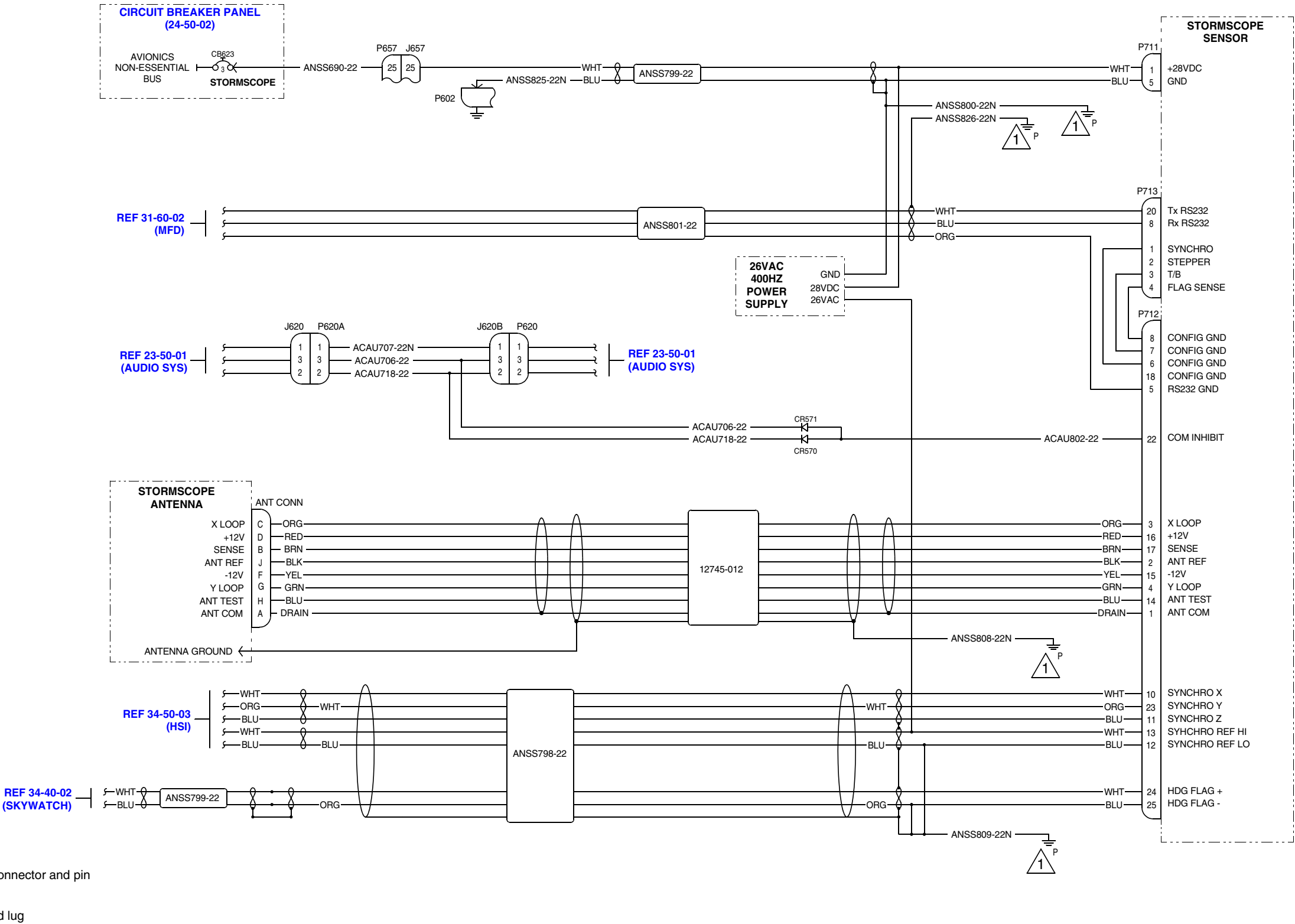


Figure-01
Stormscope System - Serials 1005 thru 1059

EFFECTIVITY:
Serials 1005 thru 1059

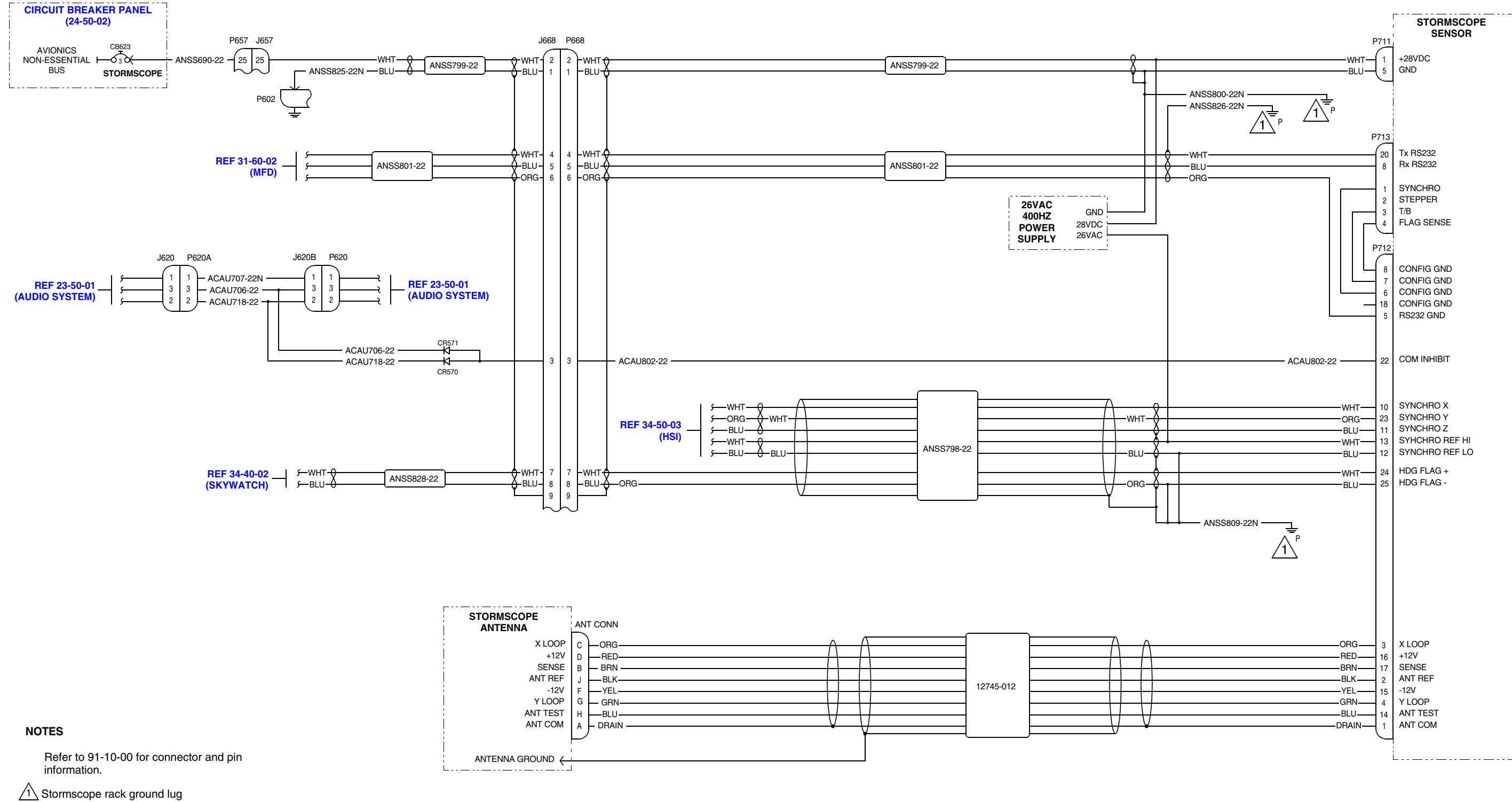


Figure-01

Stormscope System - Serials 1060 thru 1147

EFFECTIVITY:
Serials 1060 thru 1147

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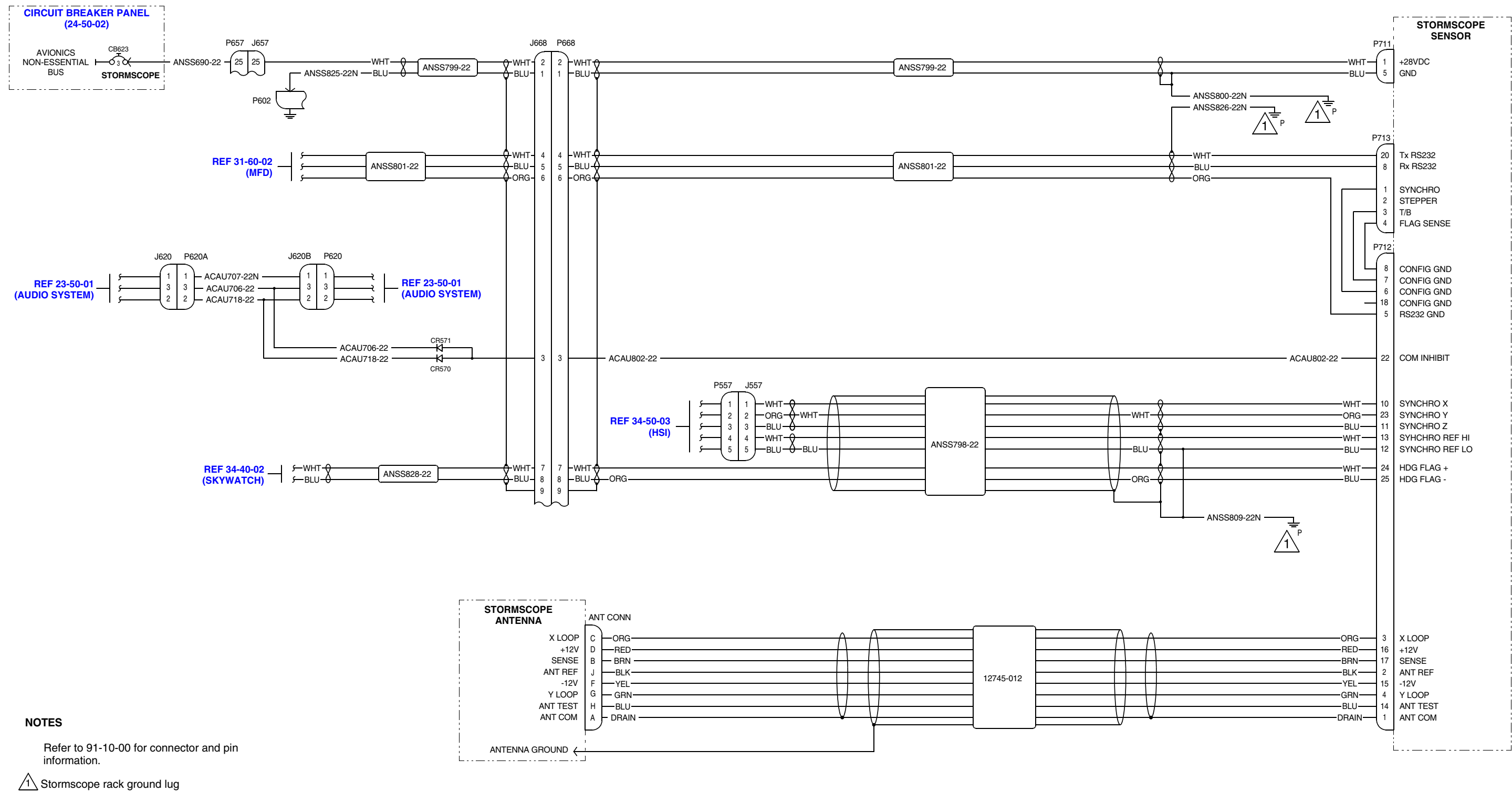


Figure-01
Stormscope System - Serials 1148 thru 1178

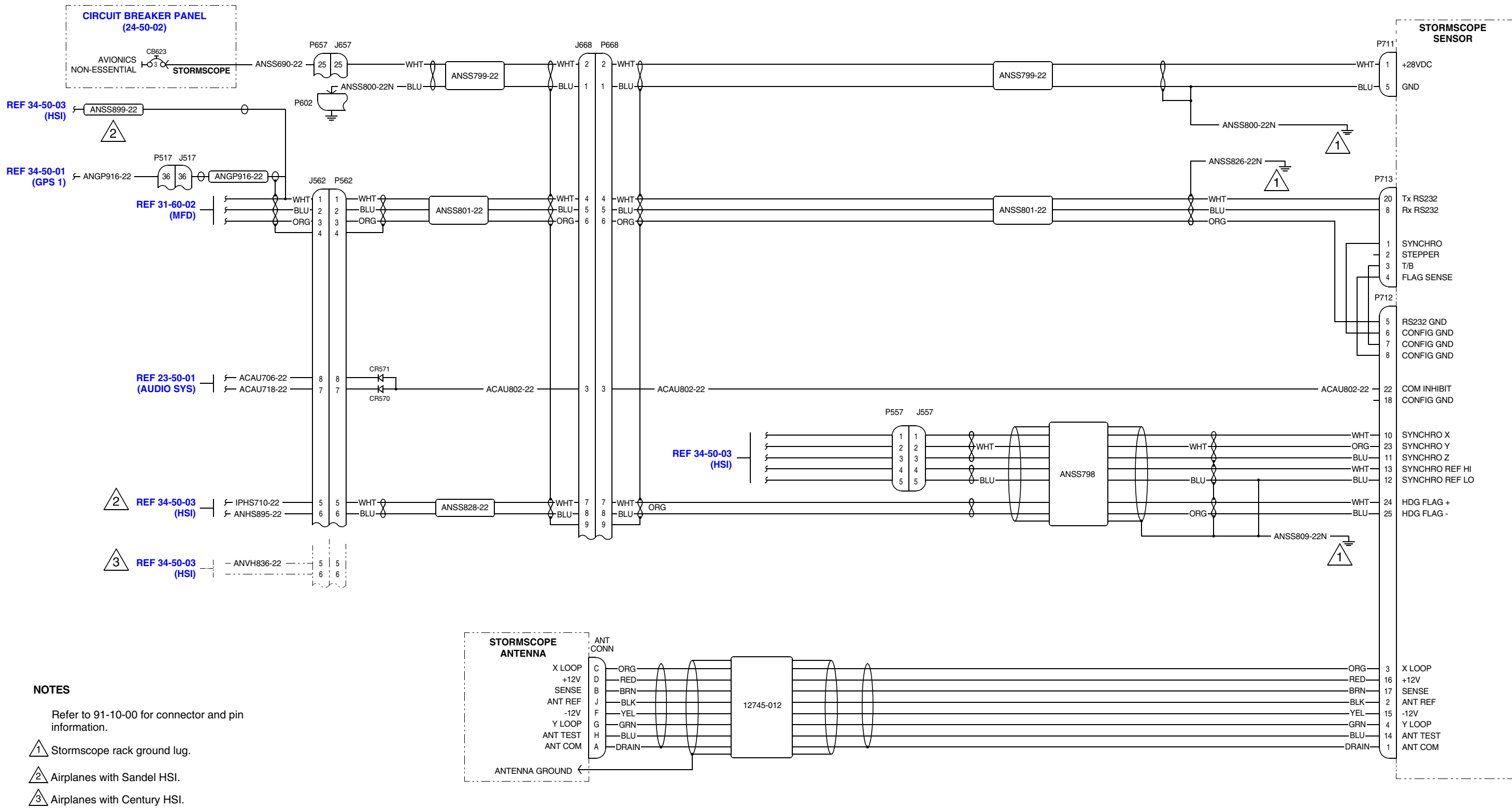


Figure-01
Stormscope System - Serials 1179 thru 1227

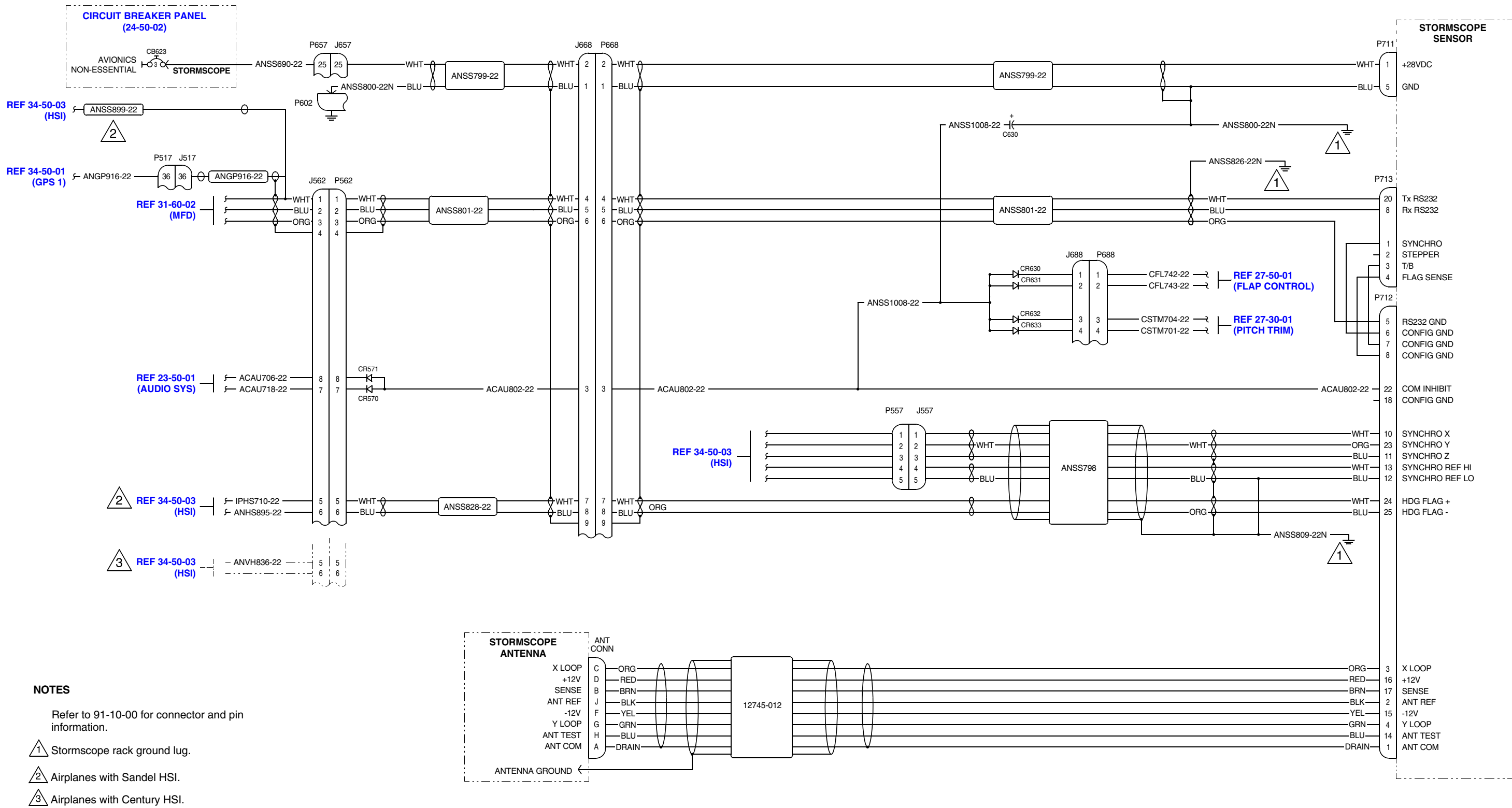


Figure-01
Stormscope System - Serials 1228 thru 1231

EFFECTIVITY:
Serials 1228 thru 1231

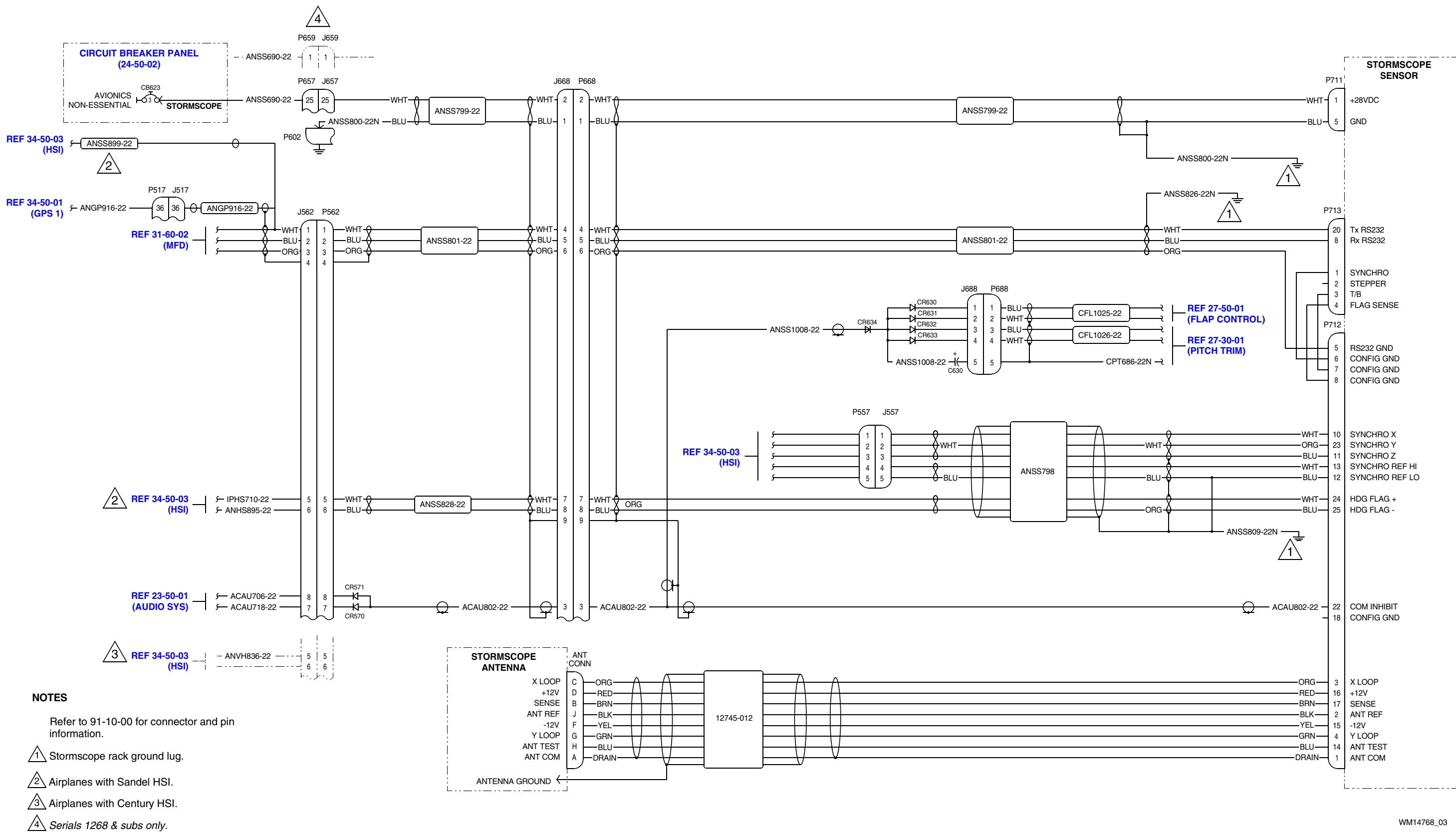
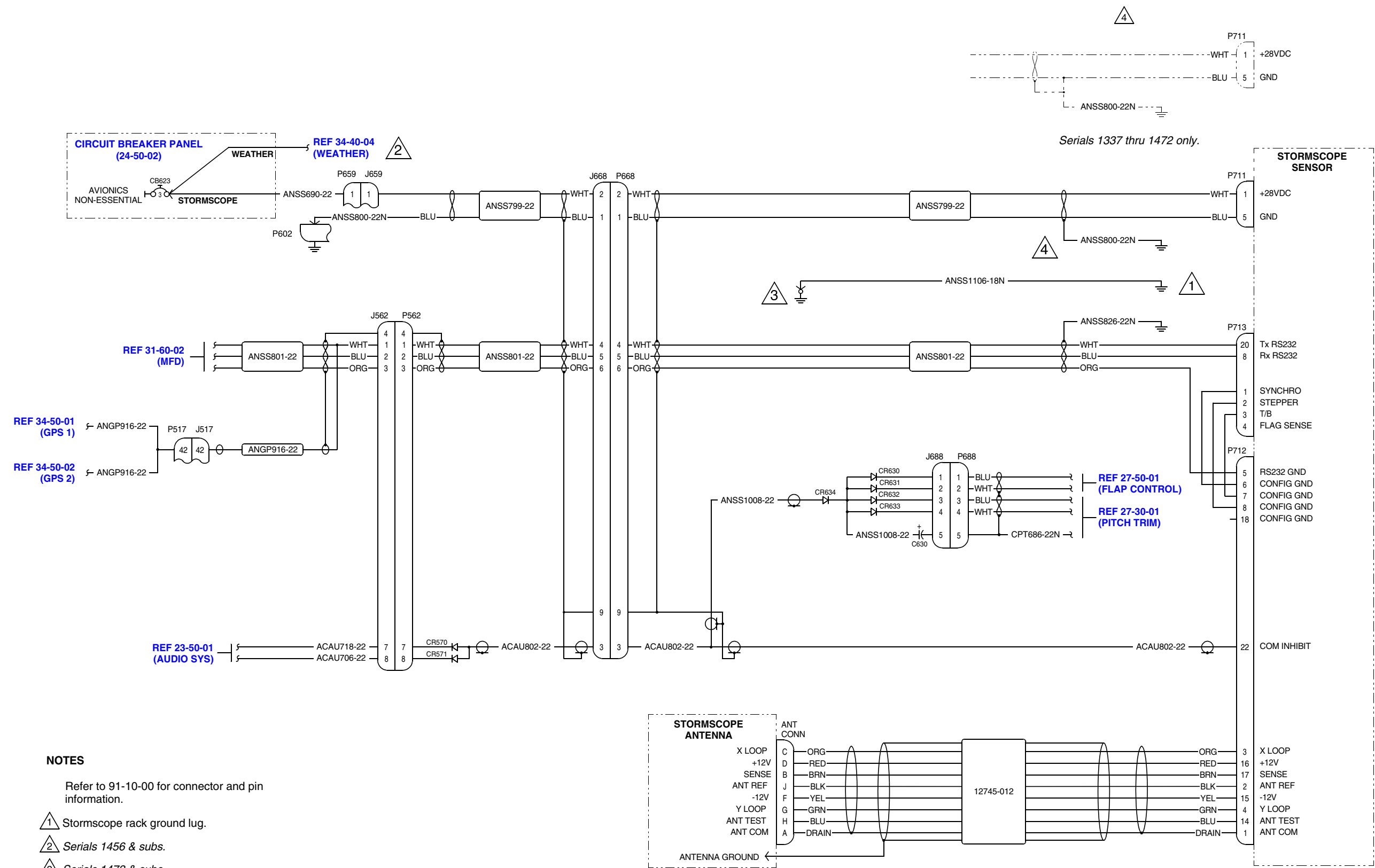
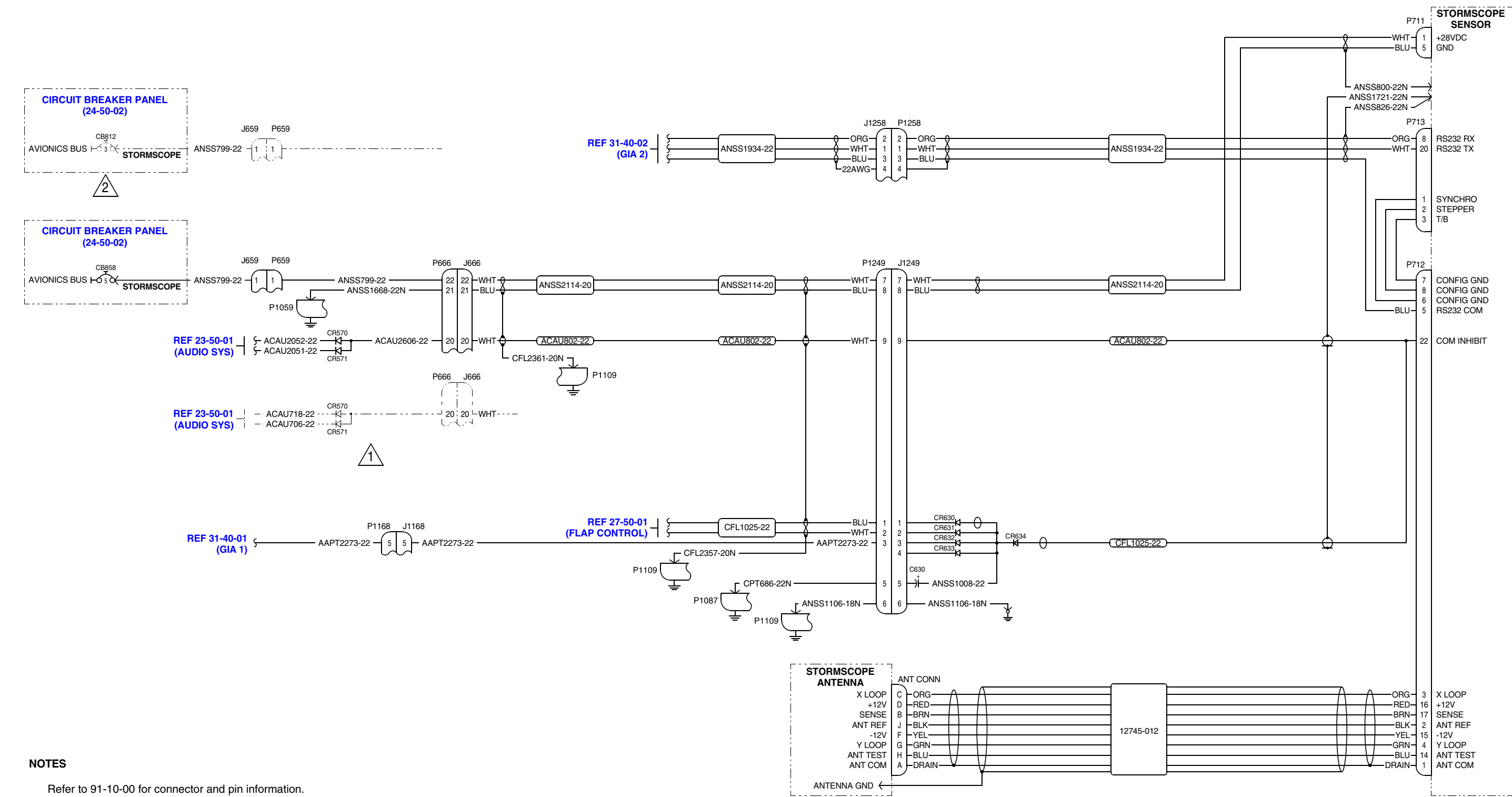
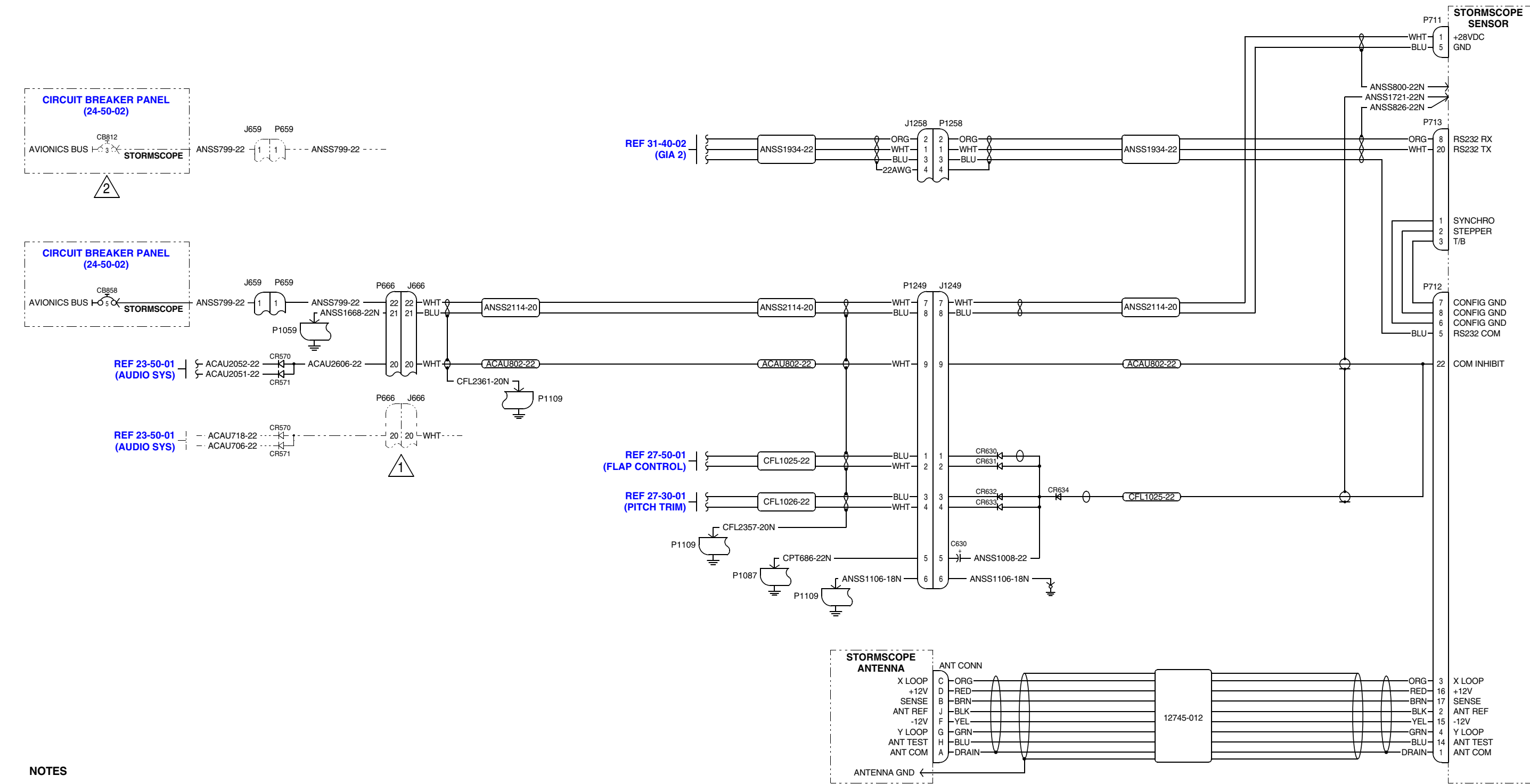


Figure-01
Stormscope System - Serials 1232 thru 1336



EFFECTIVITY:
Serials 1337 & subs w/o Perspective Avionics



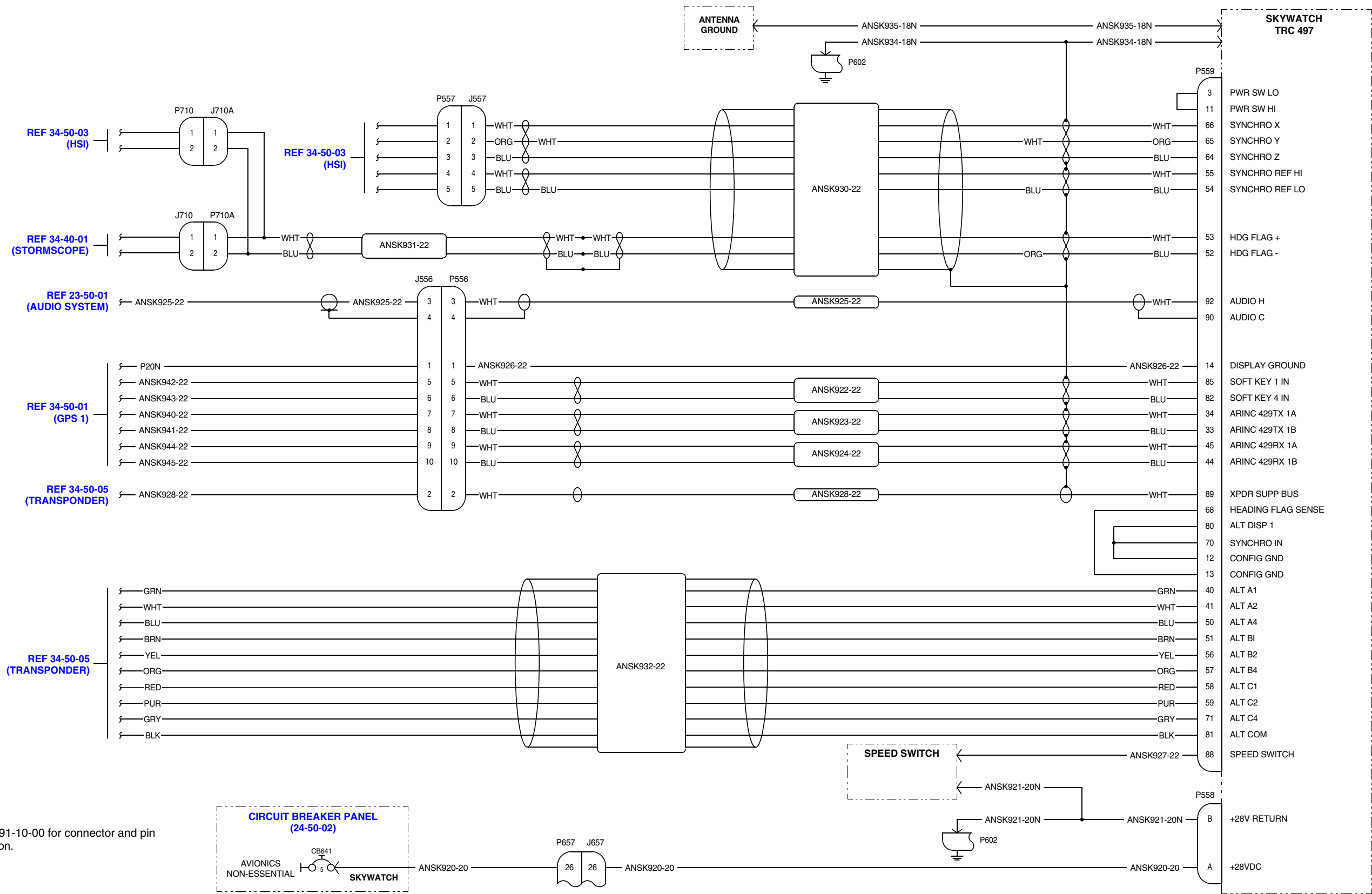


NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2064.

2 Serials 2016 thru 2126.



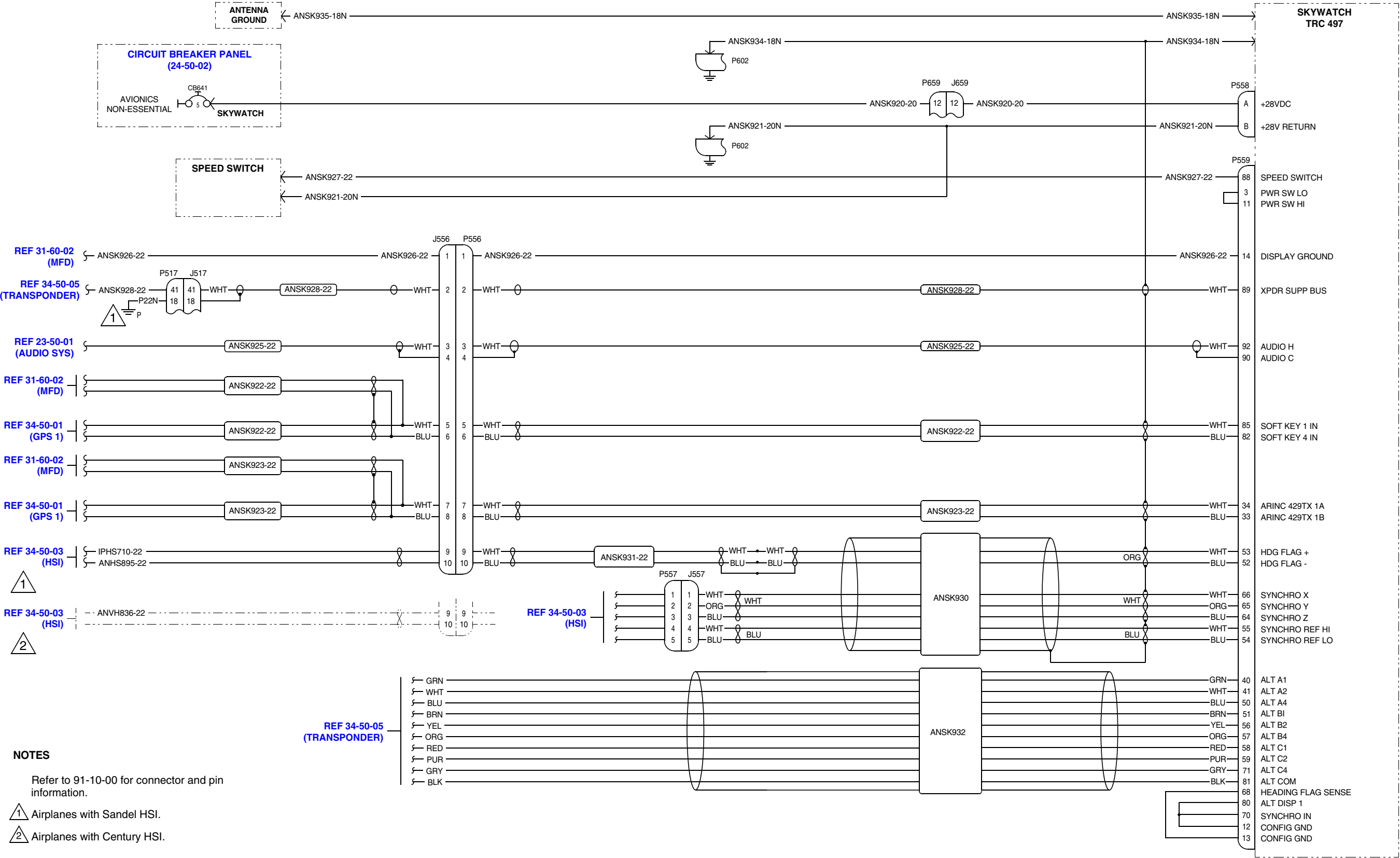
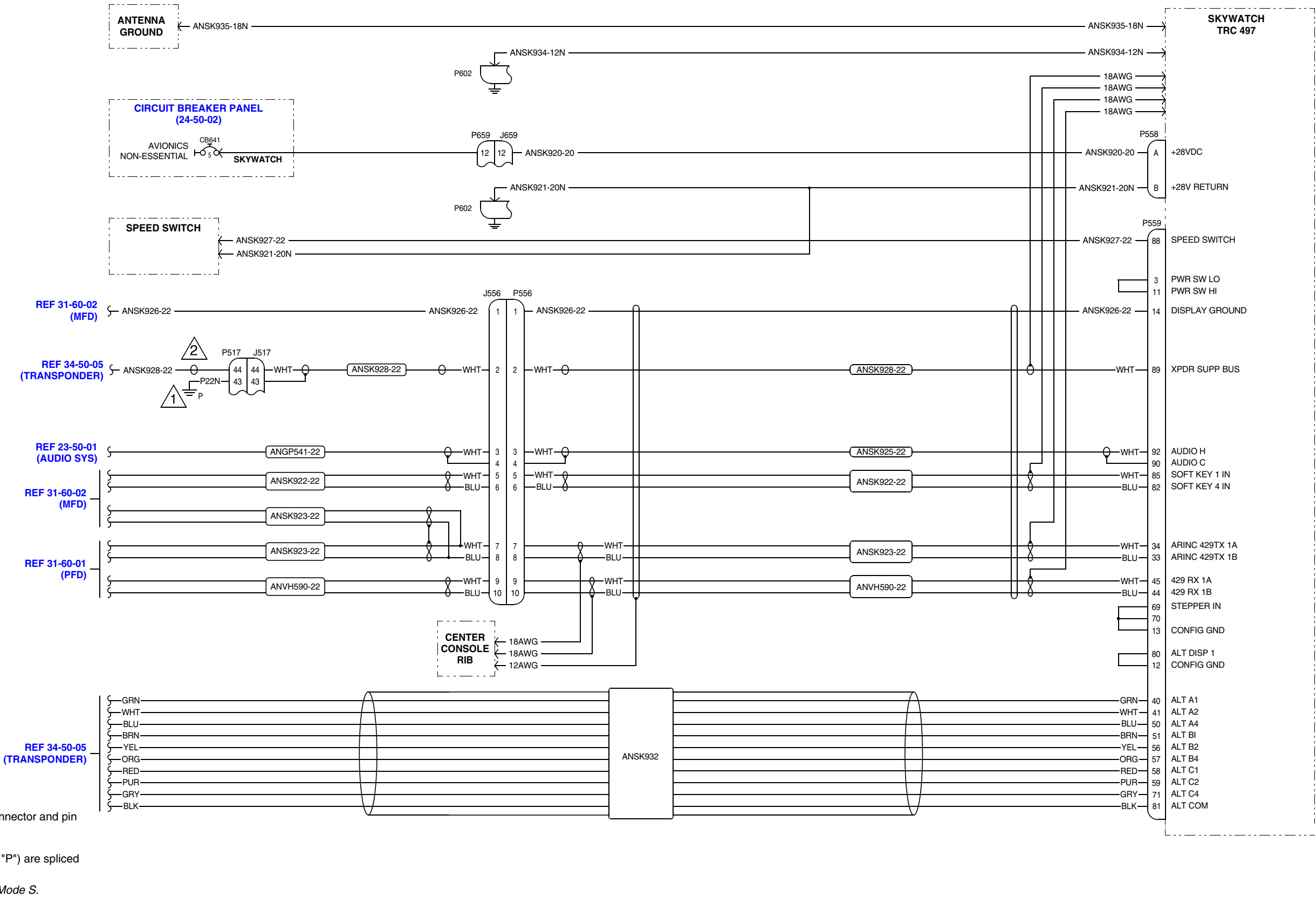


Figure-02
Traffic - Serials 1179 thru 1336

EFFECTIVITY:
Serials 1179 thru 1336



NOTES

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Serials 1379 & subs w/ Mode S.

Figure-02
Traffic - Serials 1337 thru 1440

EFFECTIVITY:
Serials 1337 thru 1440

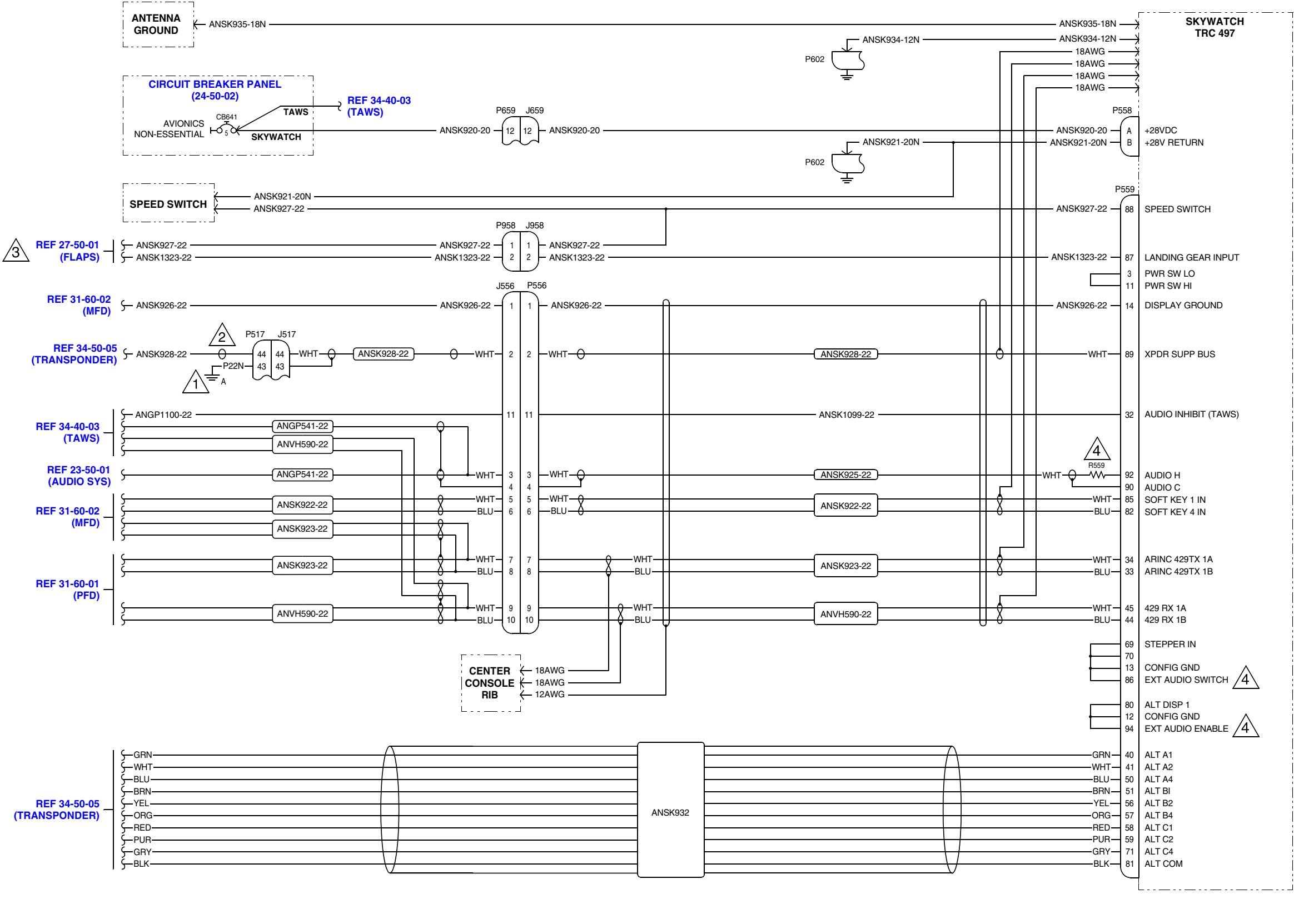


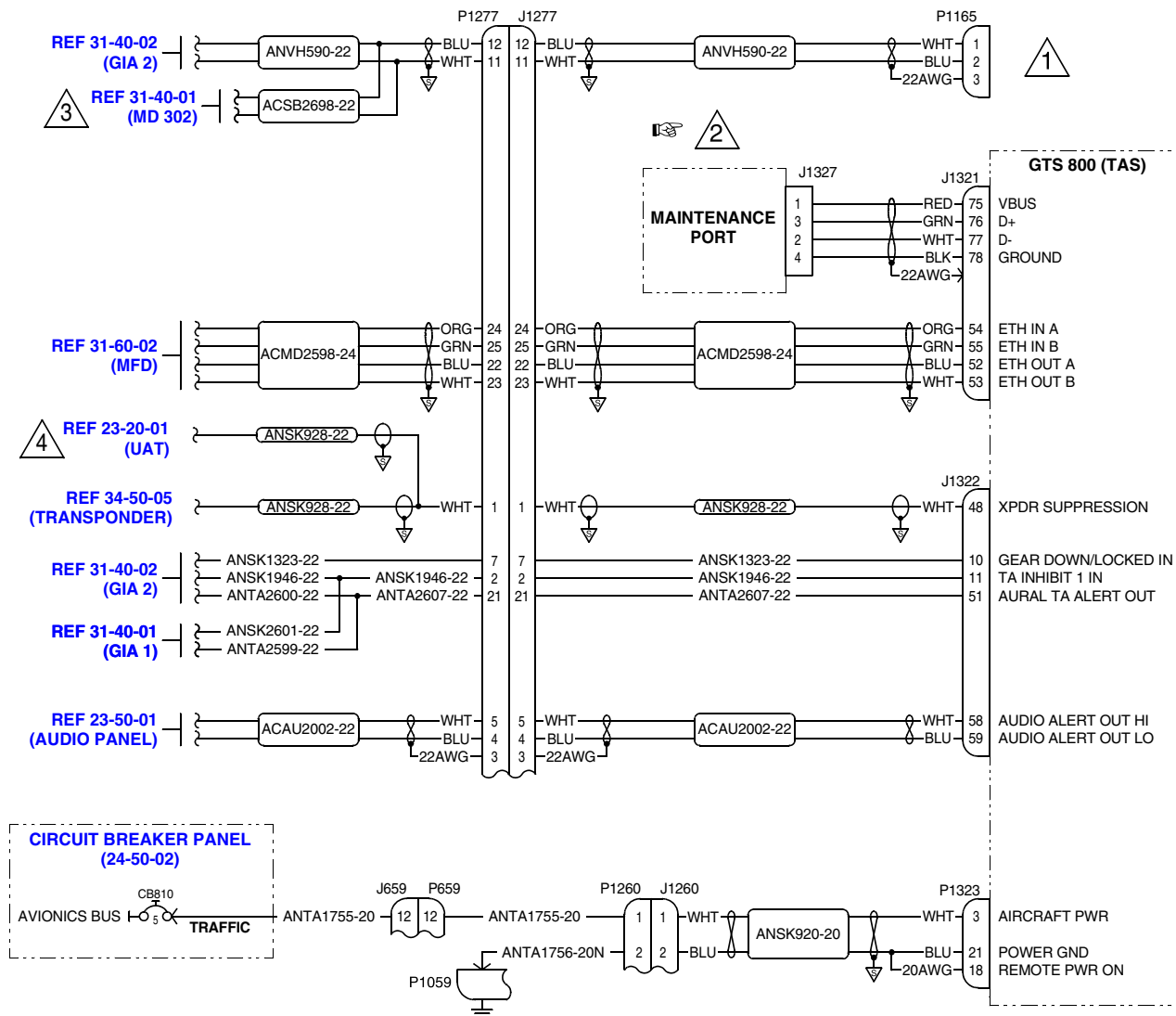
Figure-02
Traffic - Serials 1441 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1441 & subs w/o Perspective Avionics



WM24566_01

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

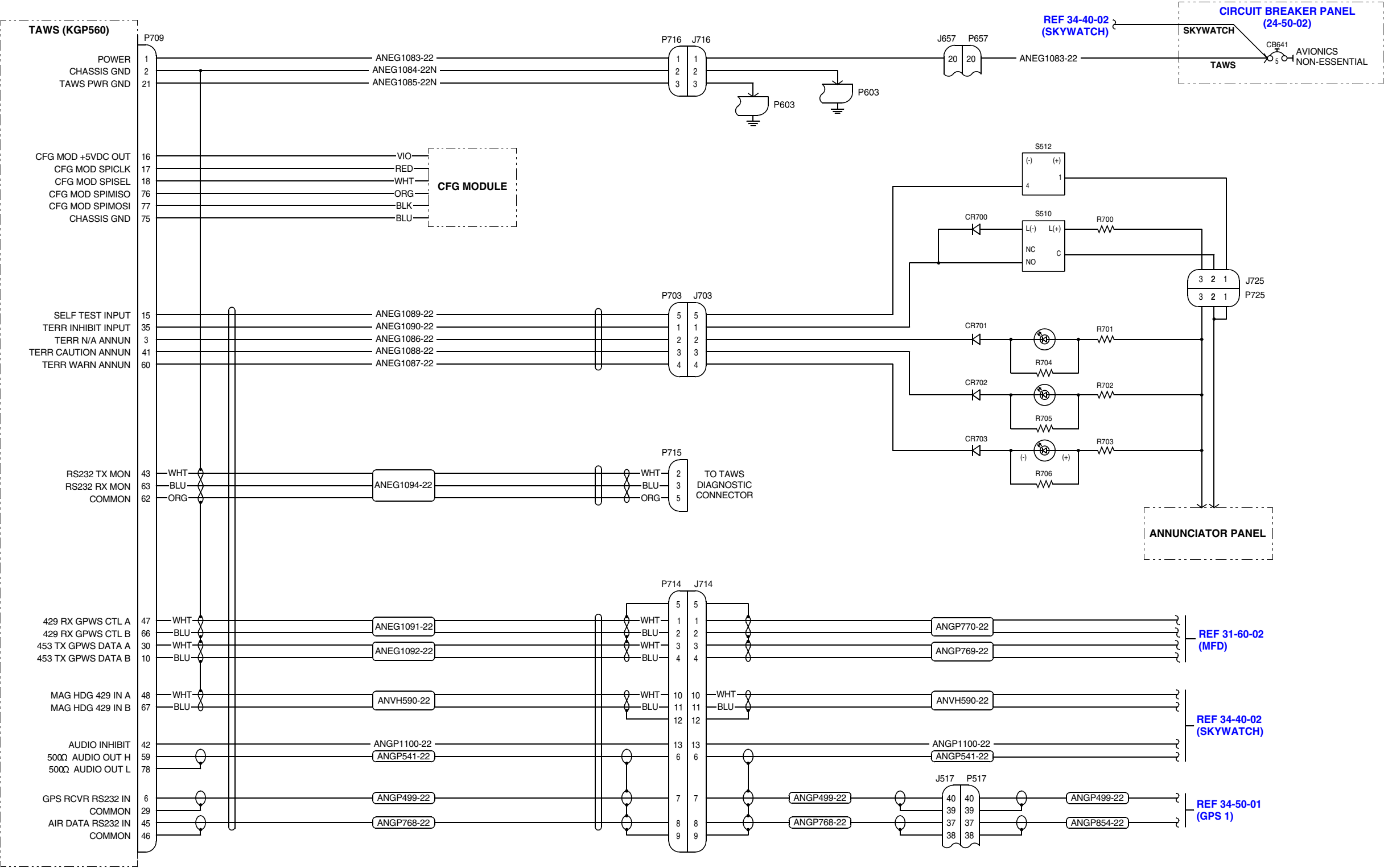
- ① Used on airplanes w/ Avidyne TWX STC only.
- ② Serials 2047 thru 2112.
- ③ Serials 2273 & subs w/ MD302 Standby Attitude Module.
- ④ Serials w/ GDL 88 (UAT).

WM26660_01C

Figure-02
Traffic - Serials 2047 & subs w/ Perspective Avionics

EFFECTIVITY:
 Serials 2047 & subs w/ Perspective Avionics

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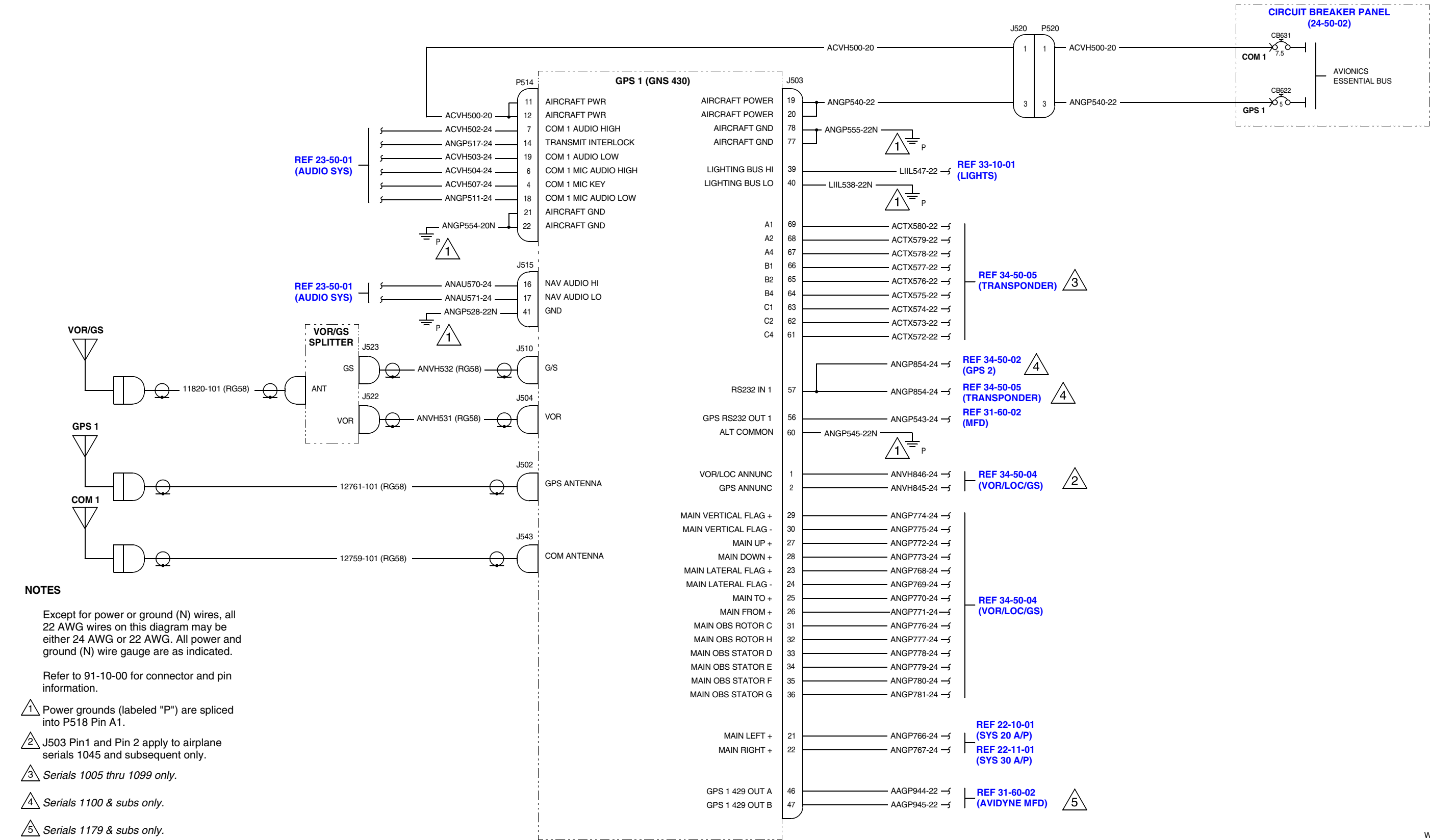


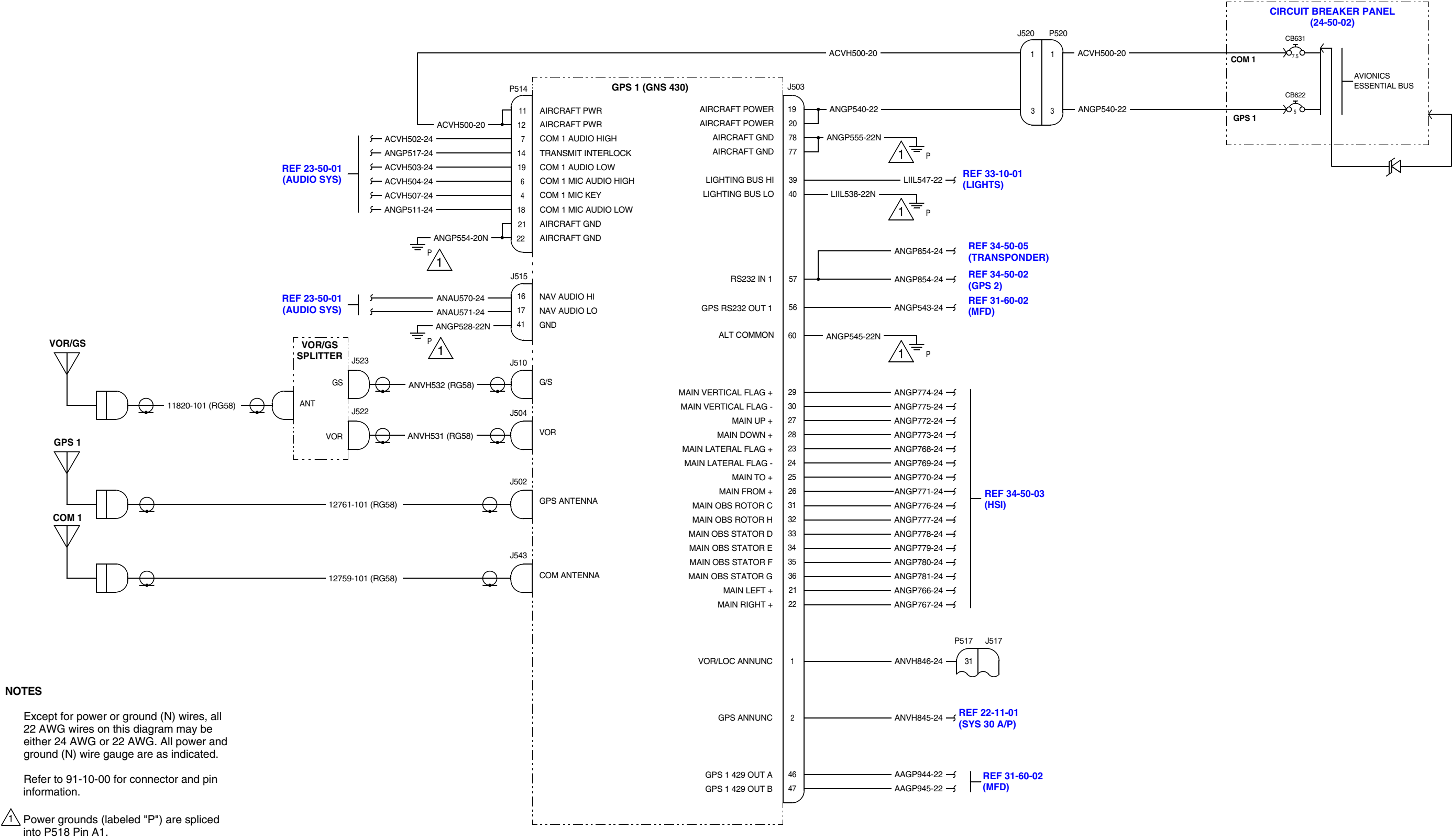
NOTES

Refer to 91-10-00 for connector and pin information.

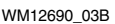
Figure-03
Terrain Awareness and Warning System - Serials 1441 & subs

EFFECTIVITY:
Serials 1441 & subs



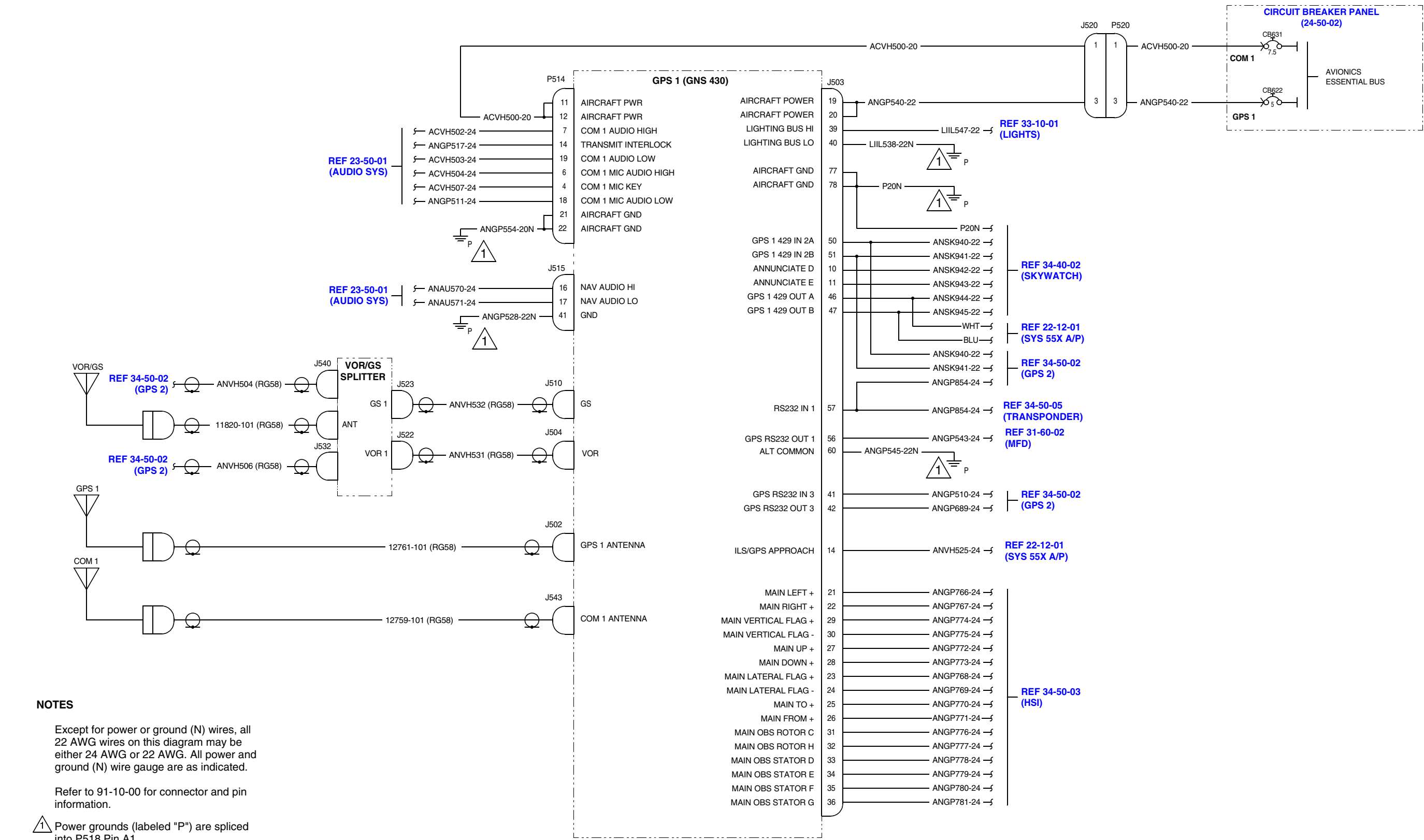


EFFECTIVITY:
Serials 1268 thru 1336, Config. "2.0"



GPS 1 (GNS 430) - Serials 1005 thru 1147, Config. "B" or "C"

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NOTES

Except for power or ground (N) wires, all 22 AWG wires on this diagram may be either 24 AWG or 22 AWG. All power and ground (N) wire gauge are as indicated.

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

Figure-01

GPS 1 (GNS 430) - Serials 1148 thru 1178, Config. "B" or "C" w/ Cntury HSI

EFFECTIVITY:
Serials 1148 thru 1178, Config. "B" or "C" w/ Cntury HSI

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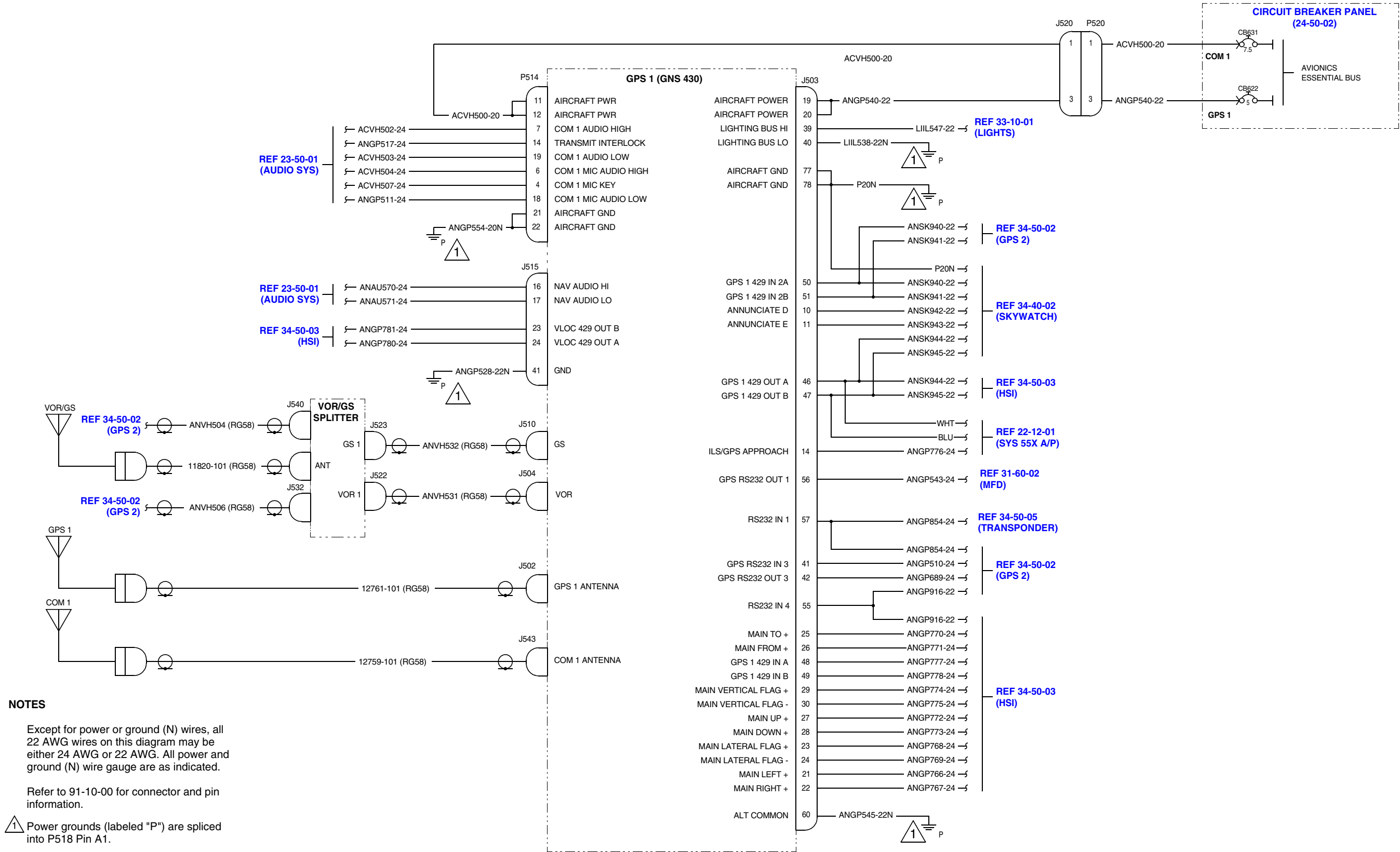


Figure-01

GPS 1 (GNS 430) - Serials 1148 thru 1178, Config. "B" or "C" w/ Sandel HSI

EFFECTIVITY:
Serials 1148 thru 1178, Config. "B" or "C" w/ Sandel HSI

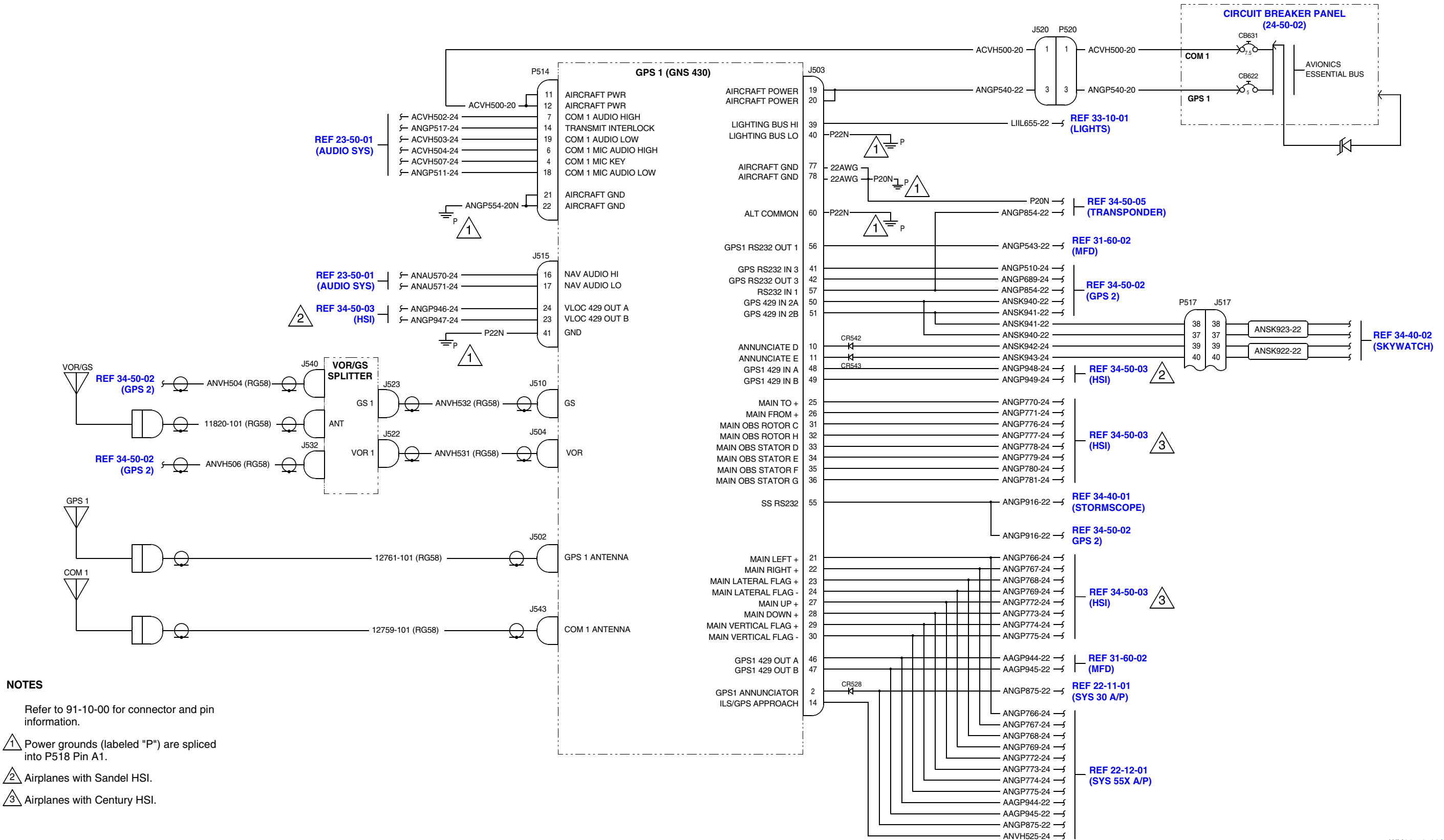
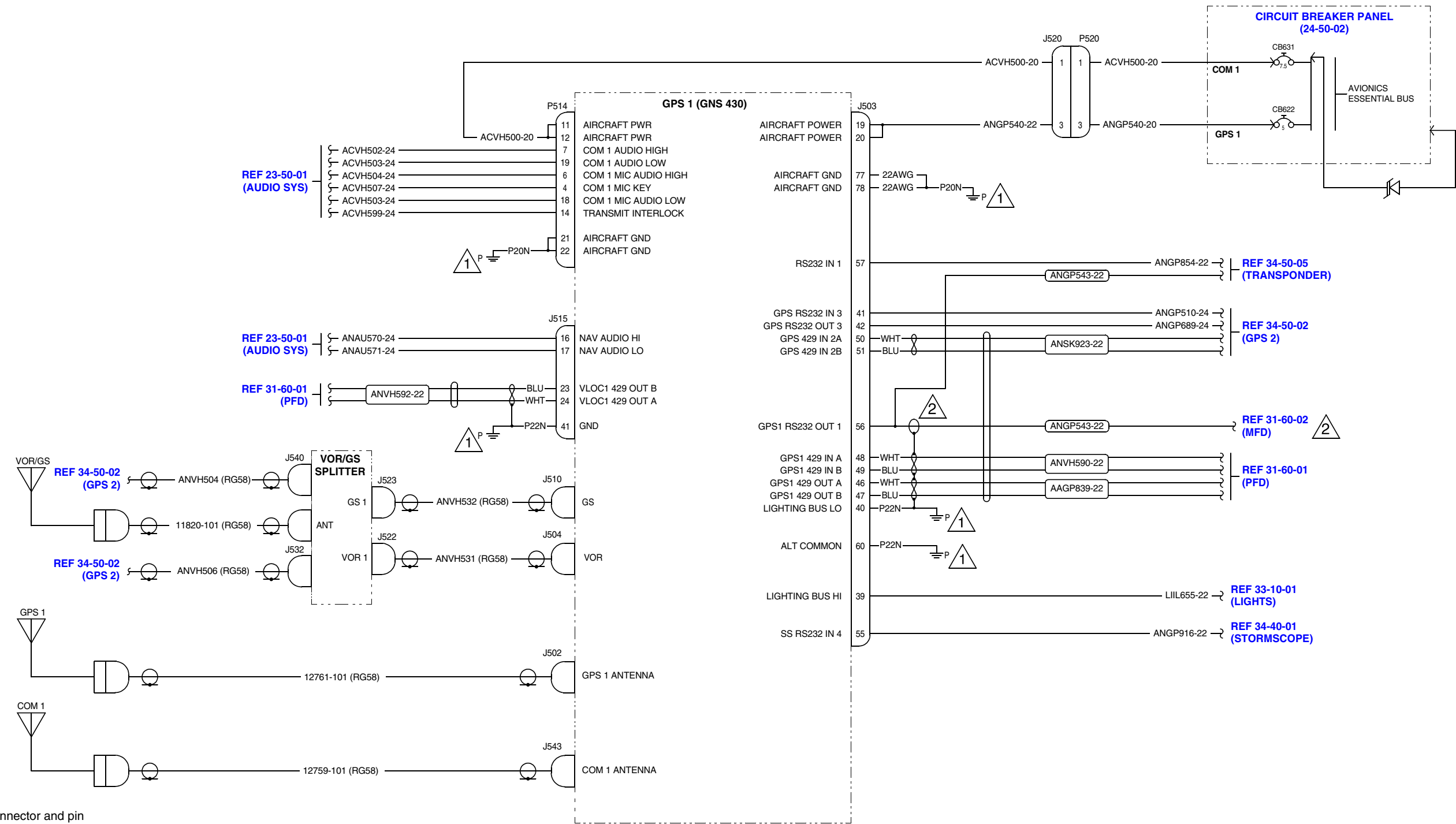


Figure-01
GPS 1 (GNS 430) - Serials 1179 thru 1336, Config. "B" or "C"

EFFECTIVITY:
Serials 1179 thru 1336, Config. "B" or "C"



NOTES

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Serials 1359 & subs.

Figure-01
GPS 1 (GNS 430) - Serials 1337 thru 1440

EFFECTIVITY:
Serials 1337 thru 1440

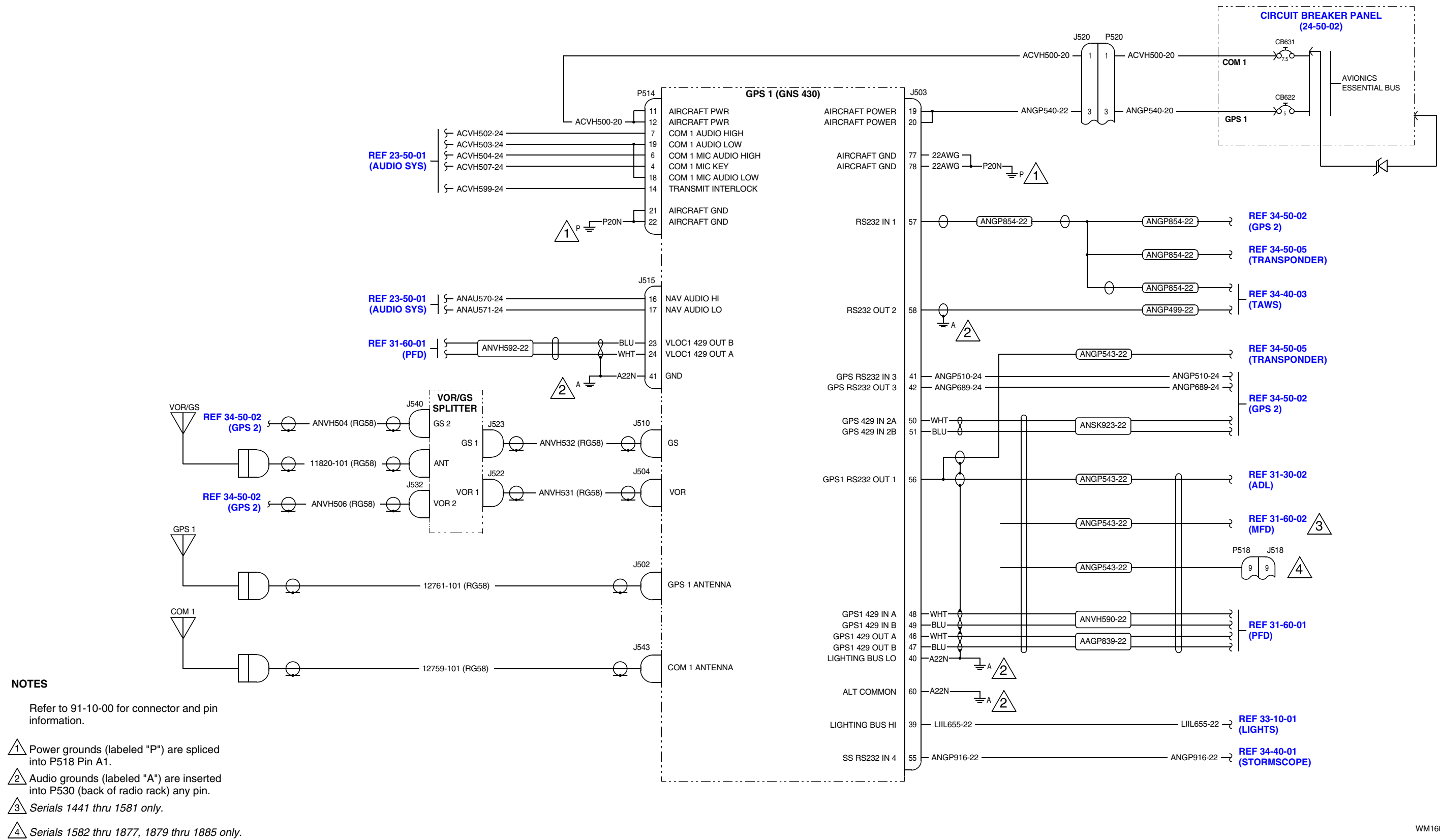


Figure-01
GPS 1 (GNS 430) - Serials 1441 & subs

EFFECTIVITY:
Serials 1441 & subs



- 1 Power grounds (labeled "P") are spliced into P518 Pin A1.
- 2 Audio grounds (labeled "A") are inserted into P530 (back of radio rack) any pin.

EFFECTIVITY:
Serials 1425 thru 1440 w/ Mode S

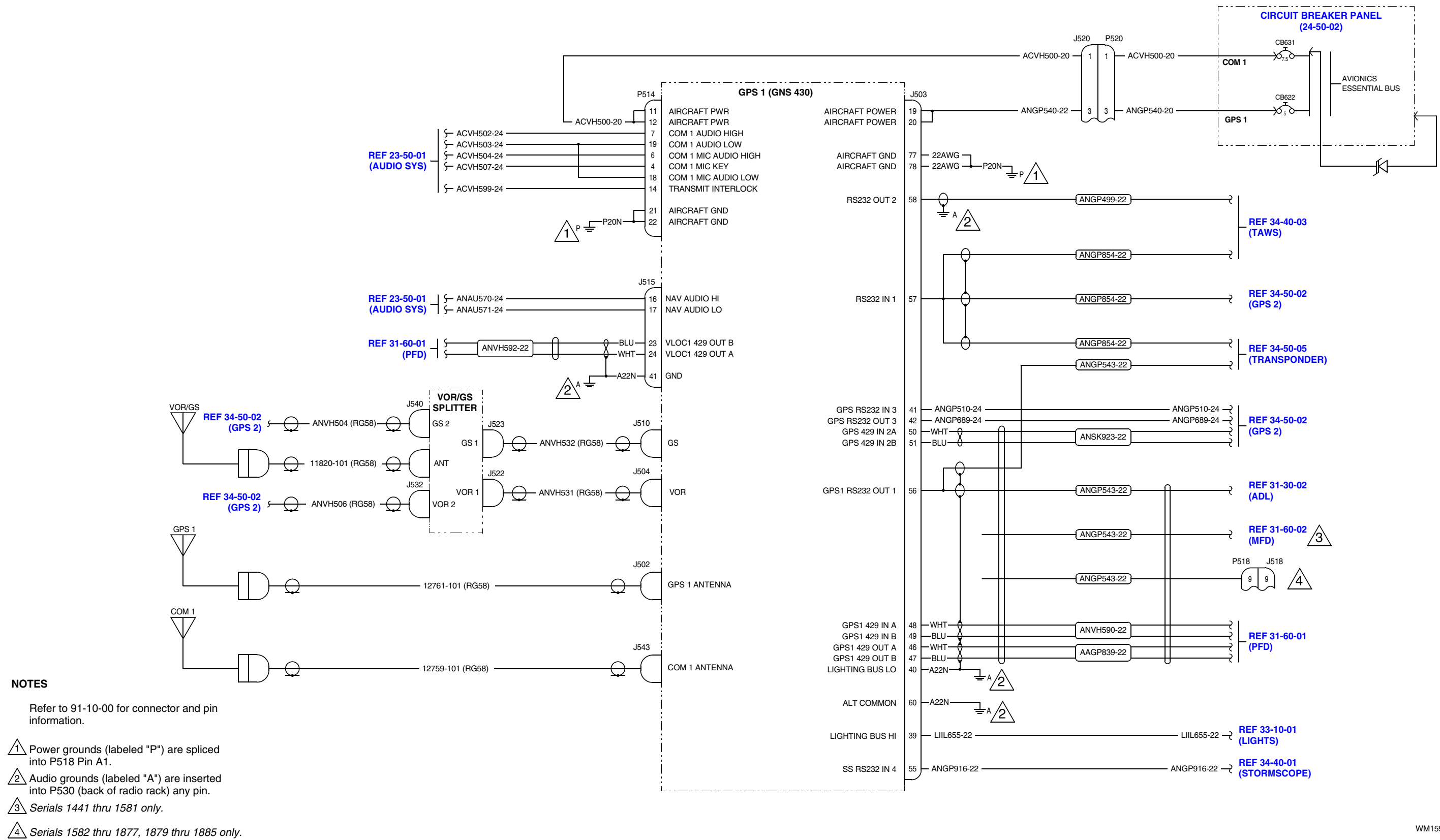
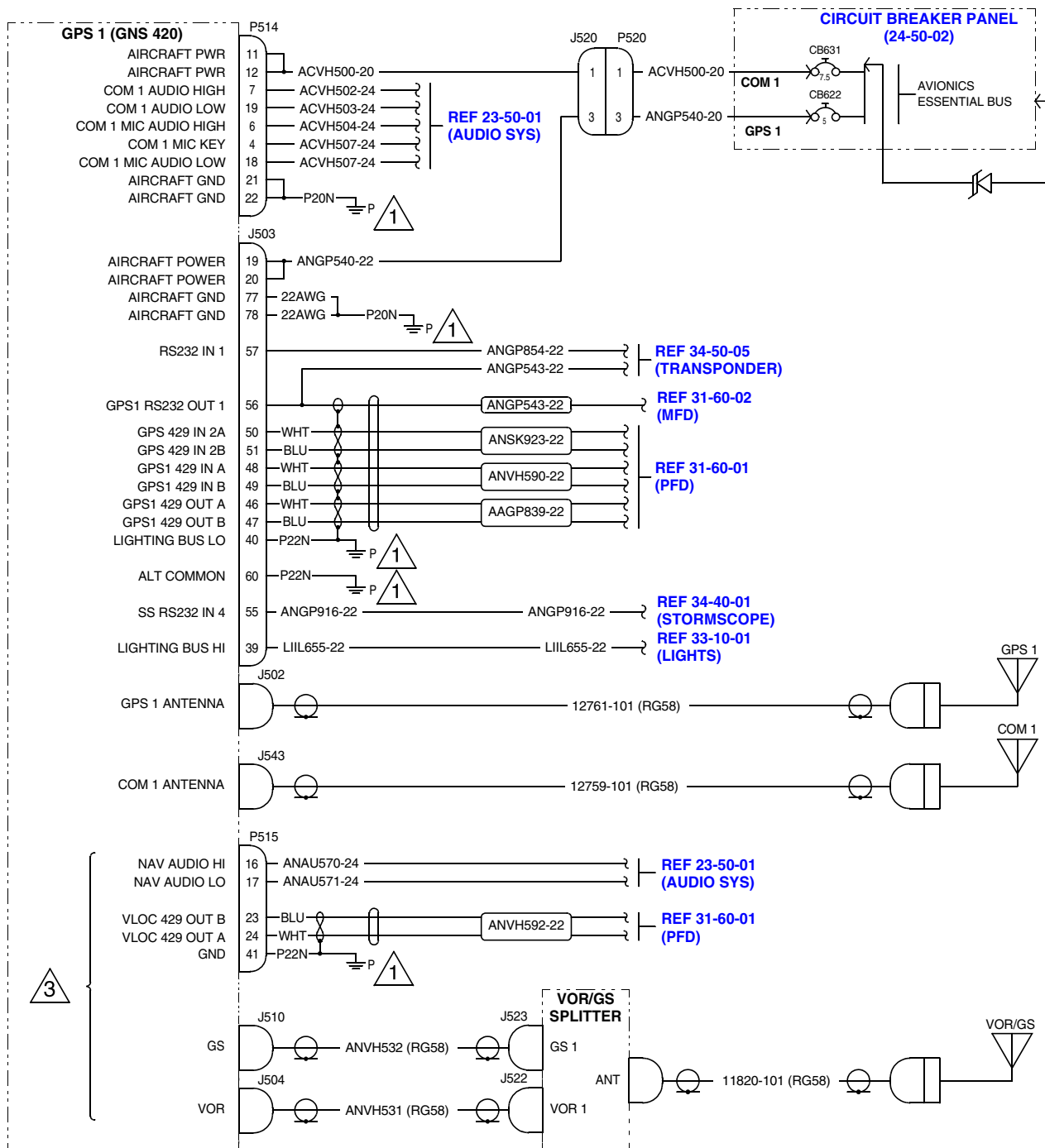


Figure-01

GPS 1 (GNS 430) - Serials 1441 & subs w/ Mode S

EFFECTIVITY:
Serials 1441 & subs w/ Mode S



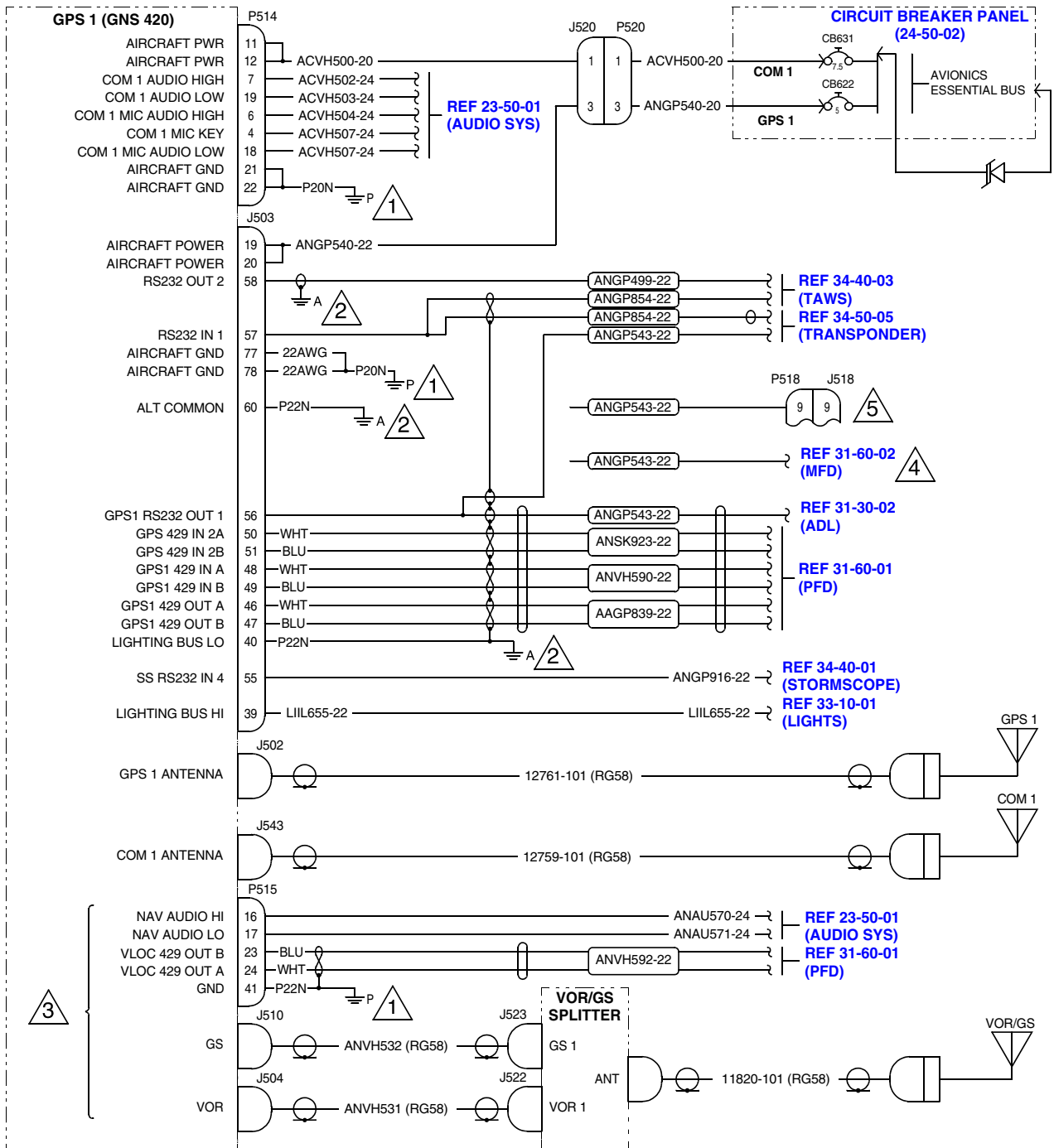
NOTES

- 1 Power grounds (labeled "P") are spliced into P518 Pin A1.
- 2 Audio grounds (labeled "A") are inserted into P530 (back of radio rack) any pin.
- 3 Aiplanes w/ System 55 Autopilot.

WM15724_02B

Figure-01
GPS 1 (GNC 420) - Serials 1359 thru 1440, Config. "SRV"

EFFECTIVITY:
Serials 1359 thru 1440, Config. "SRV"



NOTES

Refer to 91-10-00 for connector and pin information.

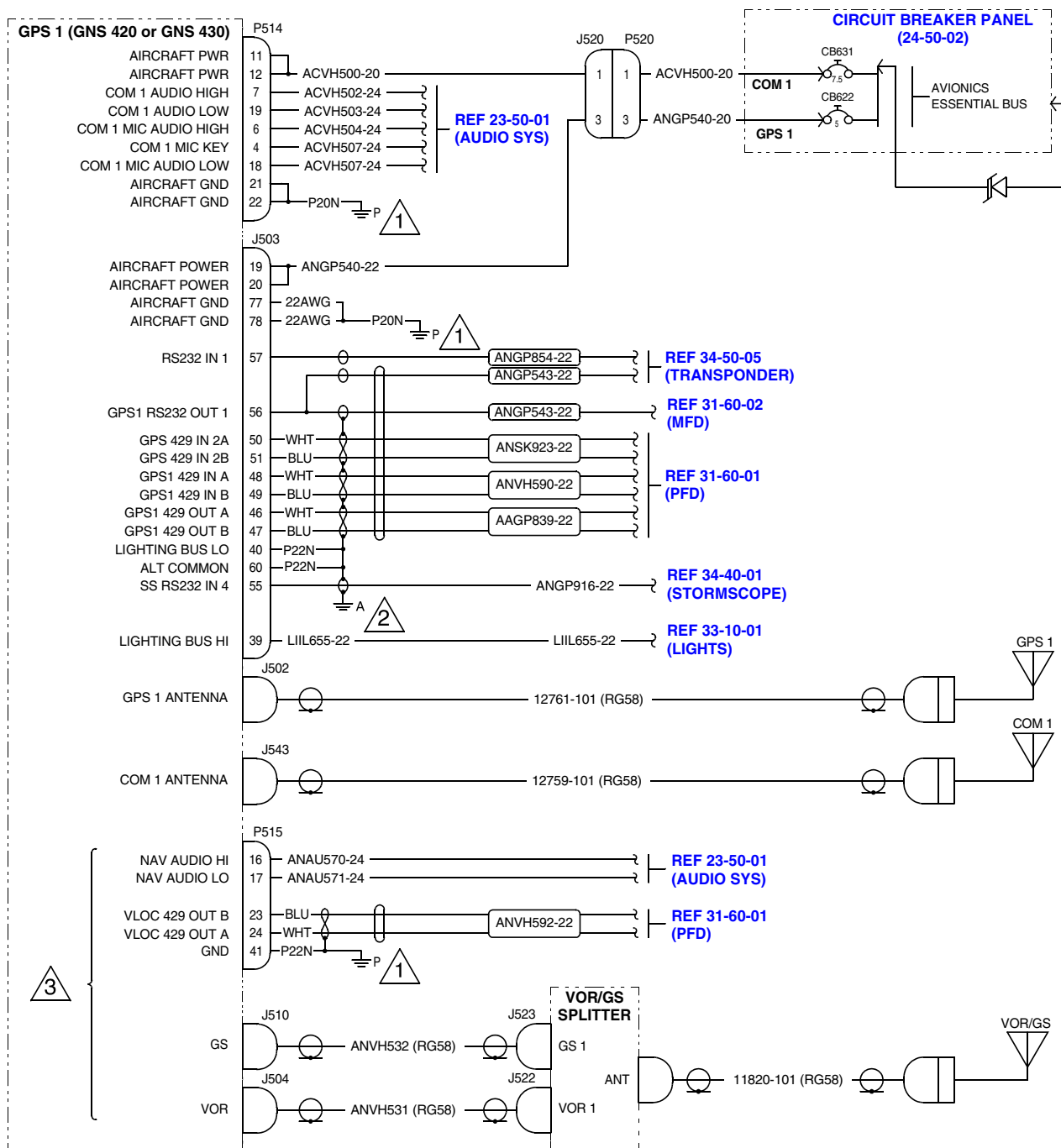
- ① Power grounds (labeled "P") are spliced into P518 Pin A1.
- ② Audio grounds (labeled "A") are inserted into P530 (back of radio rack) any pin.
- ③ Aiplanes w/ System 55 Autopilot.
- ④ Serials 1441 thru 1581 only.
- ⑤ Serials 1582 thru 1877, 1879 thru 1885 only.

WM15724_03B

Figure-01
GPS 1 (GNC 420) - Serials 1441 & subs, Config. "SRV"

EFFECTIVITY:
Serials 1441 & subs, Config. "SRV"

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Audio grounds (labeled "A") are inserted into P530 (back of radio rack) any pin.

3 Aiplanes w/ System 55 Autopilot.

WM15986_01A

Figure-01

GPS 1 (GNC 420) - Serials 1359 thru 1440, Config. "SRV" w/ Mode S

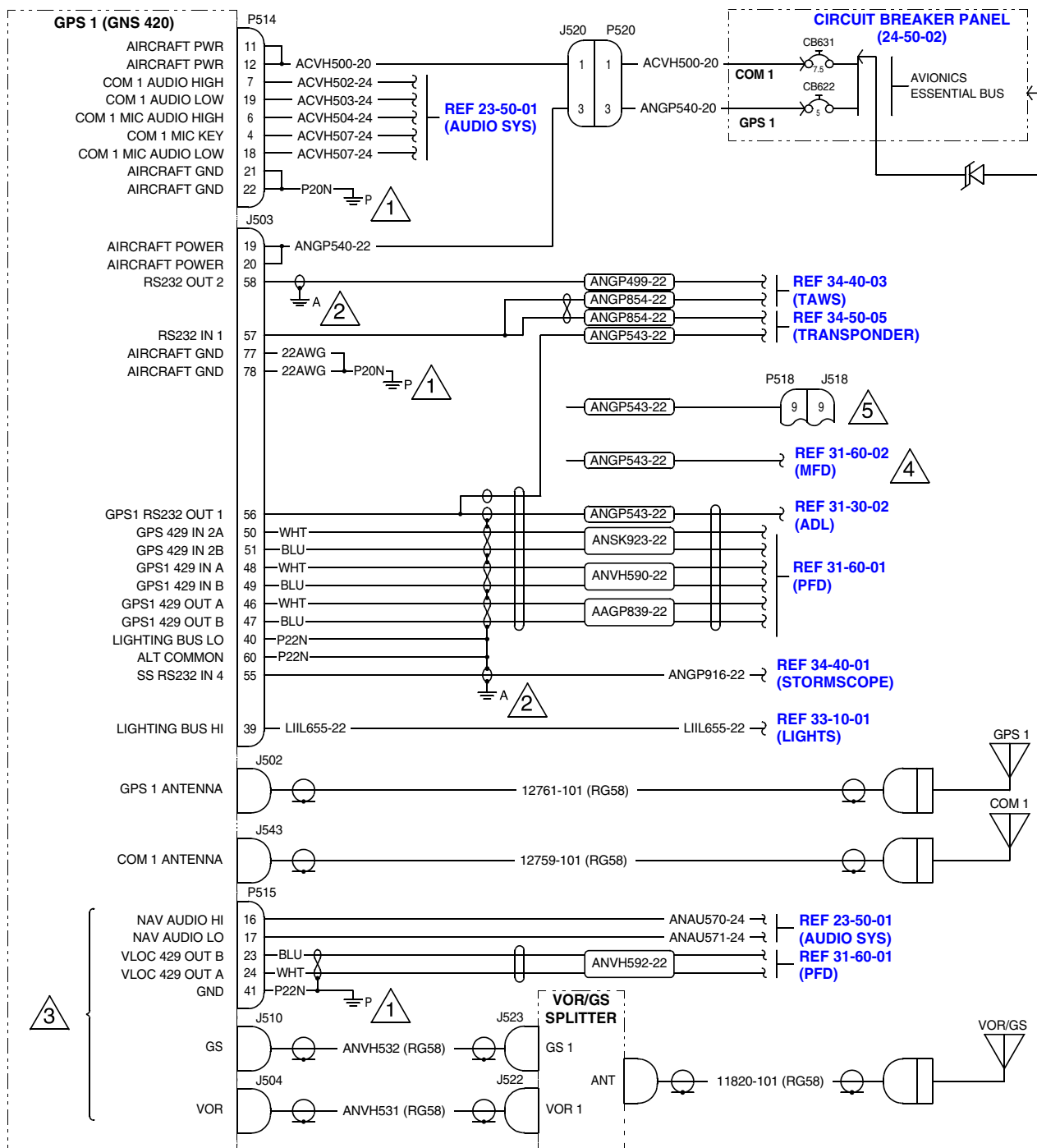
EFFECTIVITY:

Serials 1359 thru 1440, Config. "SRV" w/ Mode S

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NOTES

Refer to 91-10-00 for connector and pin information.

- ① Power grounds (labeled "P") are spliced into P518 Pin A1.
- ② Audio grounds (labeled "A") are inserted into P530 (back of radio rack) any pin.
- ③ Aiplanes w/ System 55 Autopilot.
- ④ Serials 1441 thru 1581 only.
- ⑤ Serials 1582 thru 1877, 1879 thru 1885 only.

WM15986_02B

Figure-01

GPS 1 (GNC 420) - Serials 1441 & subs, Config. "SRV" w/ Mode S

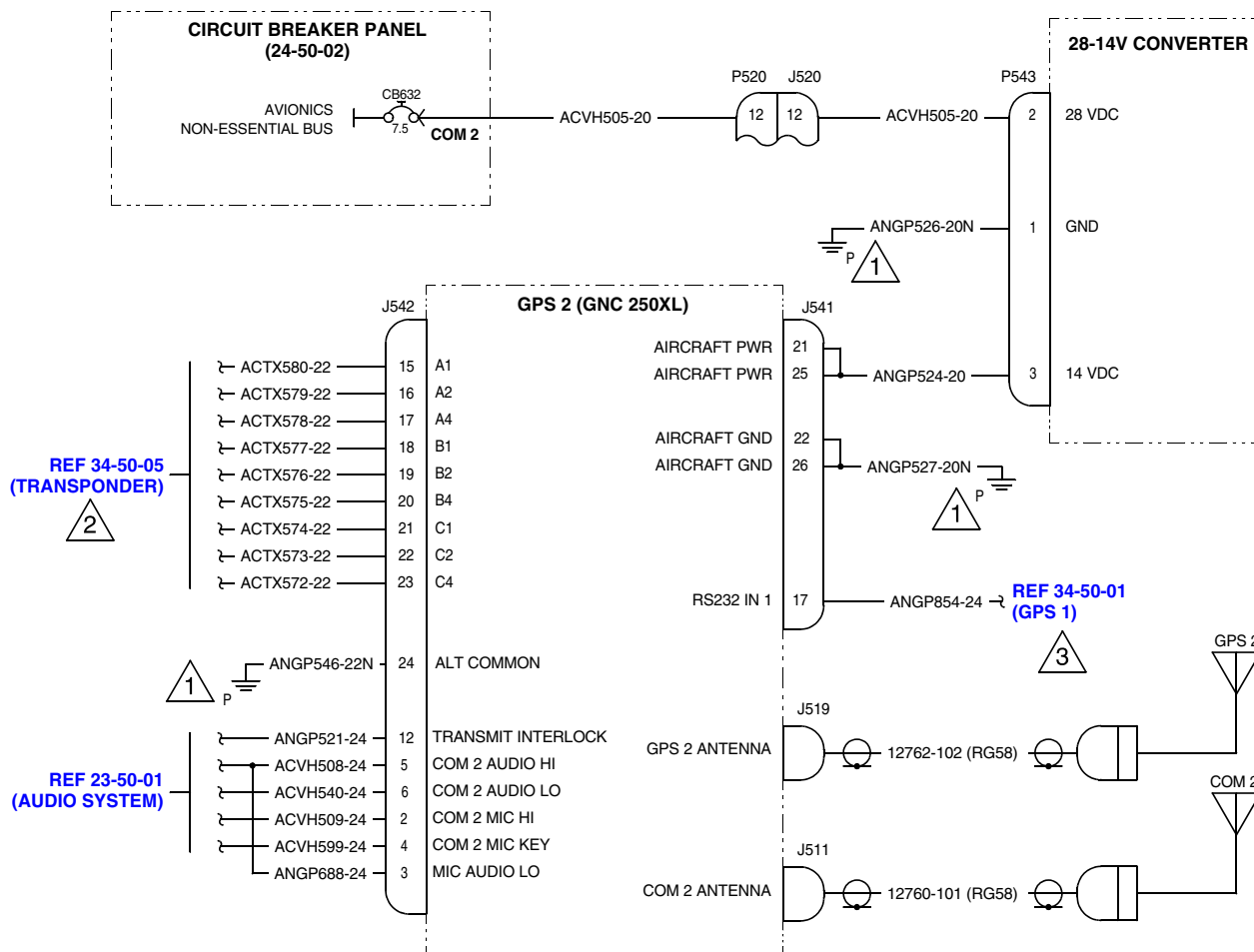
EFFECTIVITY:

Serials 1441 & subs, Config. "SRV" w/ Mode S

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NOTES

Except for power or ground (N) wires, all 22 AWG wires on this diagram may be either 24 AWG or 22 AWG. All power and ground (N) wire gauge are as indicated.

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Serials 1005 thru 1099 only.

3 Serials 1100 & subs only.

WM12690_04A

Figure-02

GPS 2 (GNC 250XL) - Serials 1005 thru 1147, Config. "A"

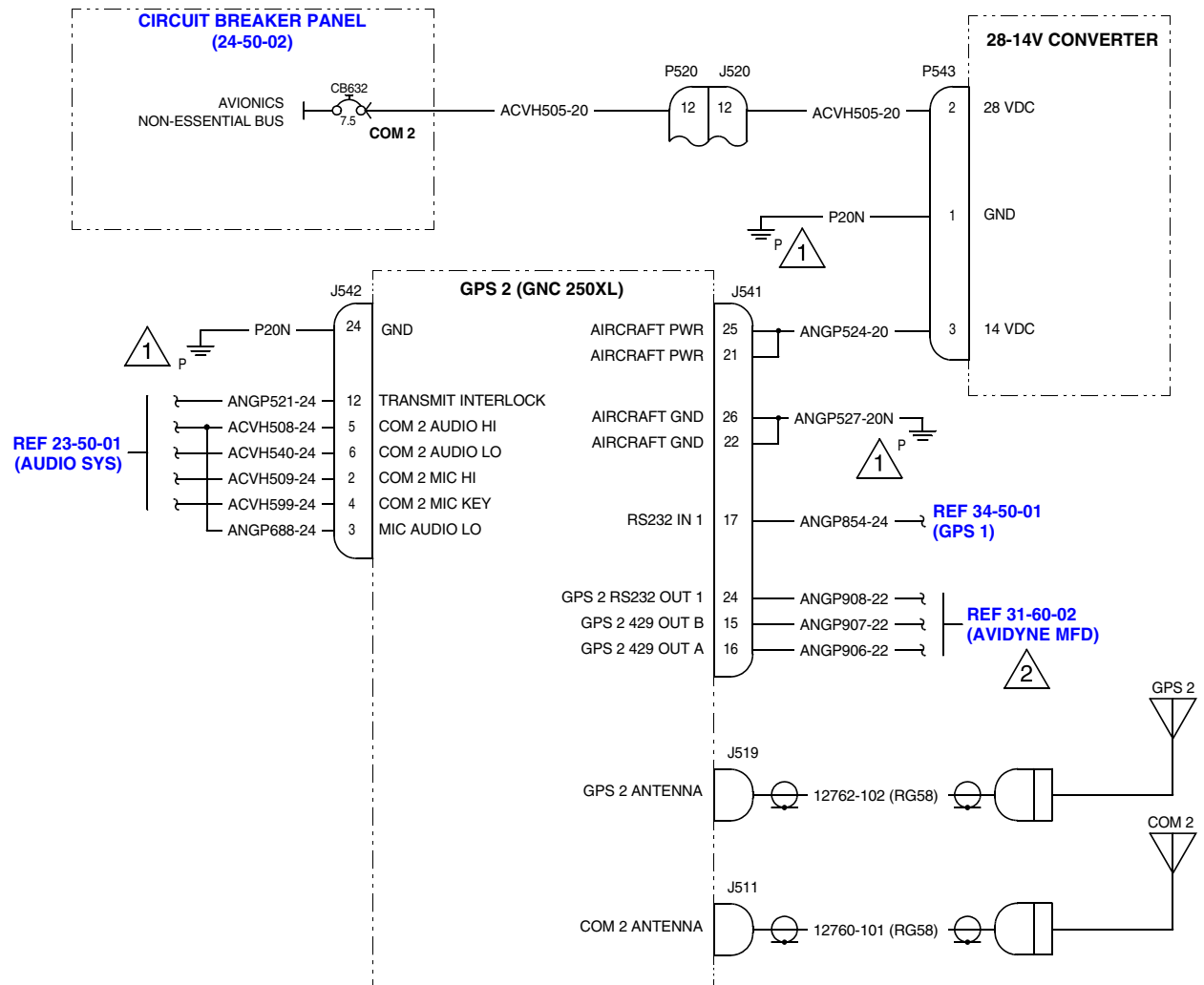
EFFECTIVITY:

Serials 1005 thru 1147, Config. "A"

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NOTES

Except for power or ground (N) wires, all 22 AWG wires on this diagram may be either 24 AWG or 22 AWG. All power and ground (N) wire gauge are as indicated.

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

2 Serials 1179 and subs only.

WM12690_10

Figure-02
GPS 2 (GNC 250XL) - Serials 1148 thru 1336, Config. "A"

EFFECTIVITY:
Serials 1148 thru 1336, Config. "A"

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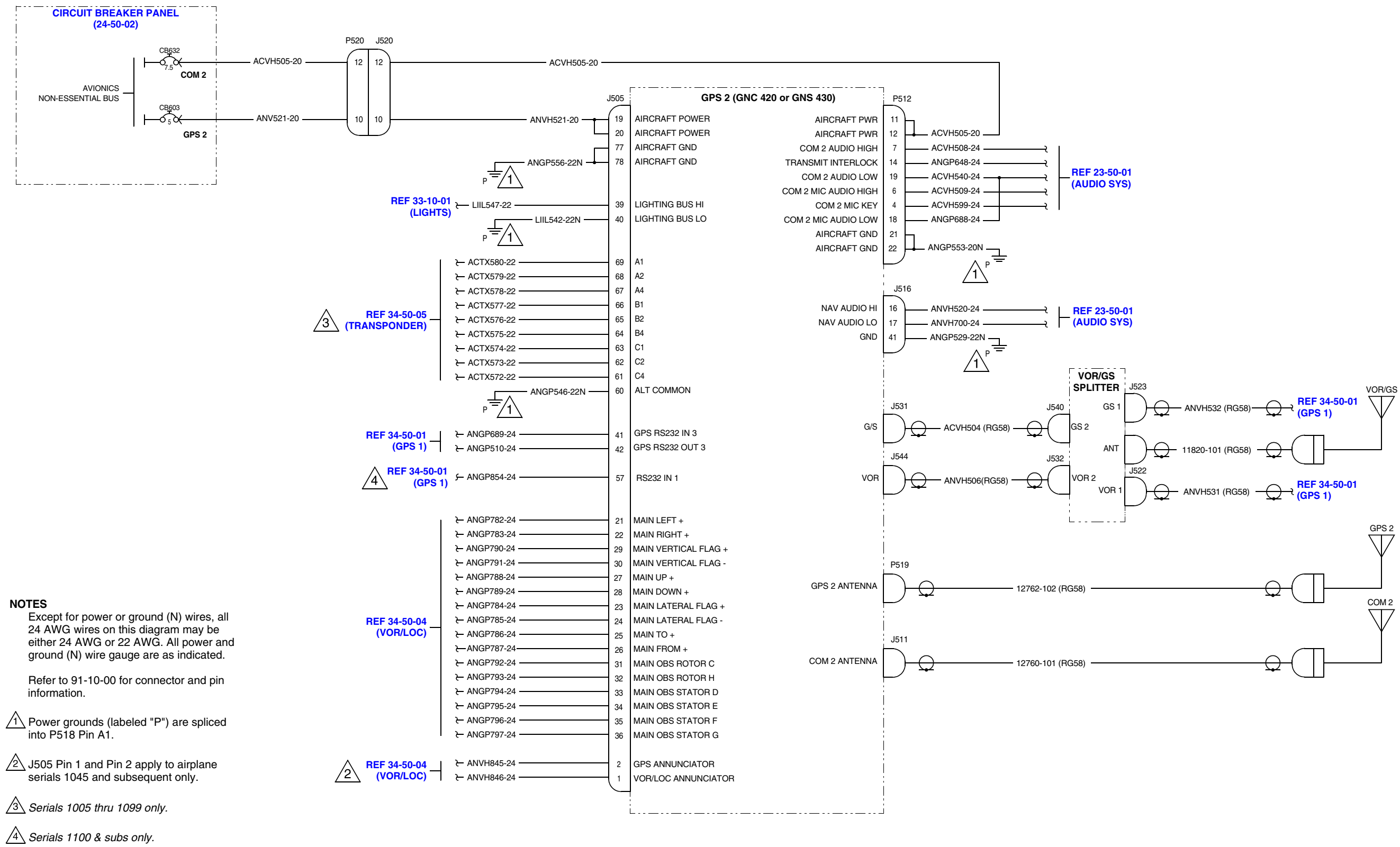


Figure-02
GPS 2 (GNC 420 or GNS430) - Serials 1005 thru 1147, Config. "B" or "C"

EFFECTIVITY:
Serials 1005 thru 1147, Config. "B" or "C"

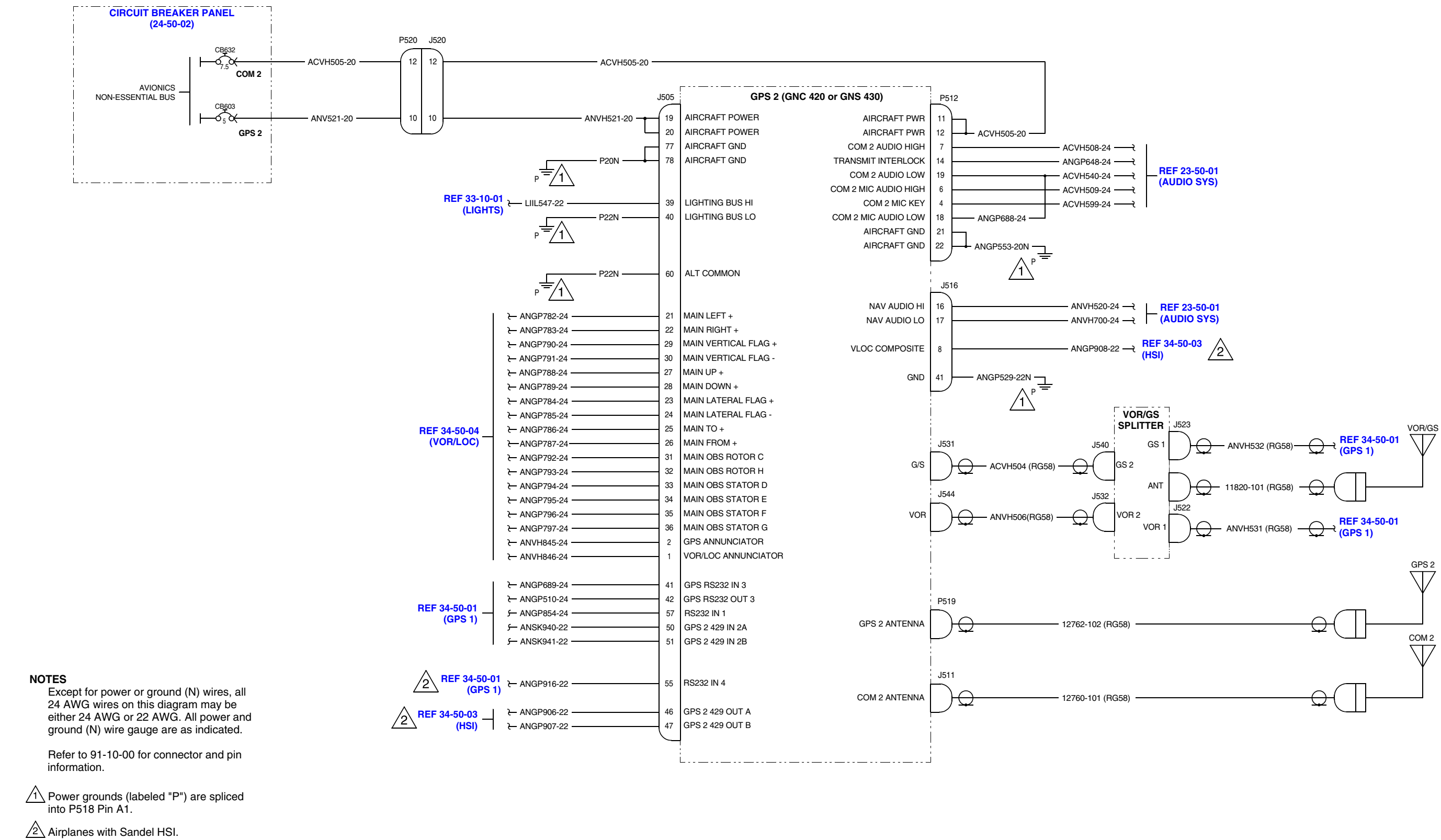


Figure-02

GPS 2 (GNC 420 or GNS430) - Serials 1148 thru 1178, Config. "B" or "C"

EFFECTIVITY:
Serials 1148 thru 1178, Config. "B" or "C"

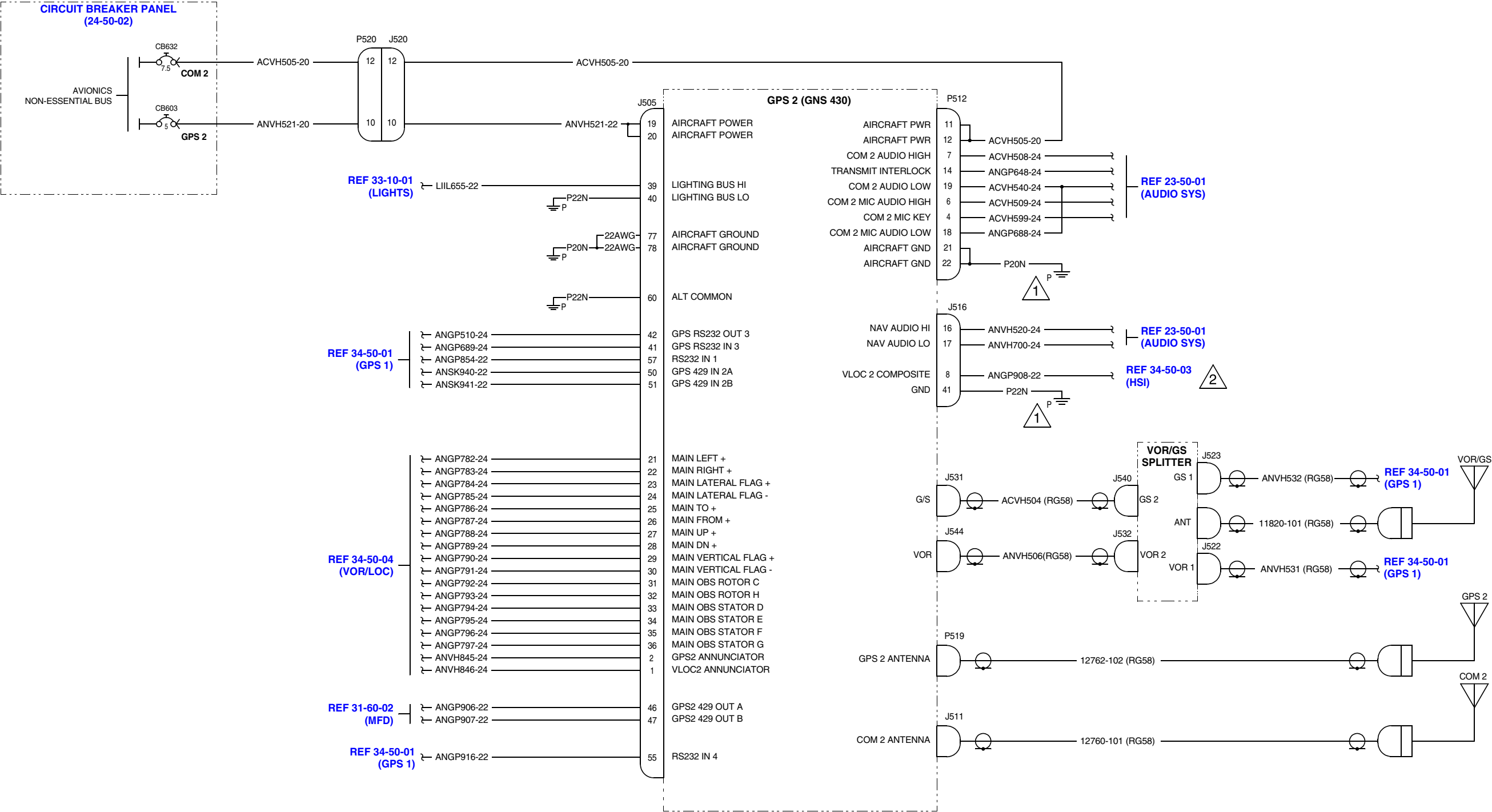
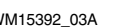


Figure-02
GPS 2 (GNC 420 or GNS430) - Serials 1179 thru 1336, Config. "B" or "C"

EFFECTIVITY:
Serials 1179 thru 1336, Config. "B" or "C"



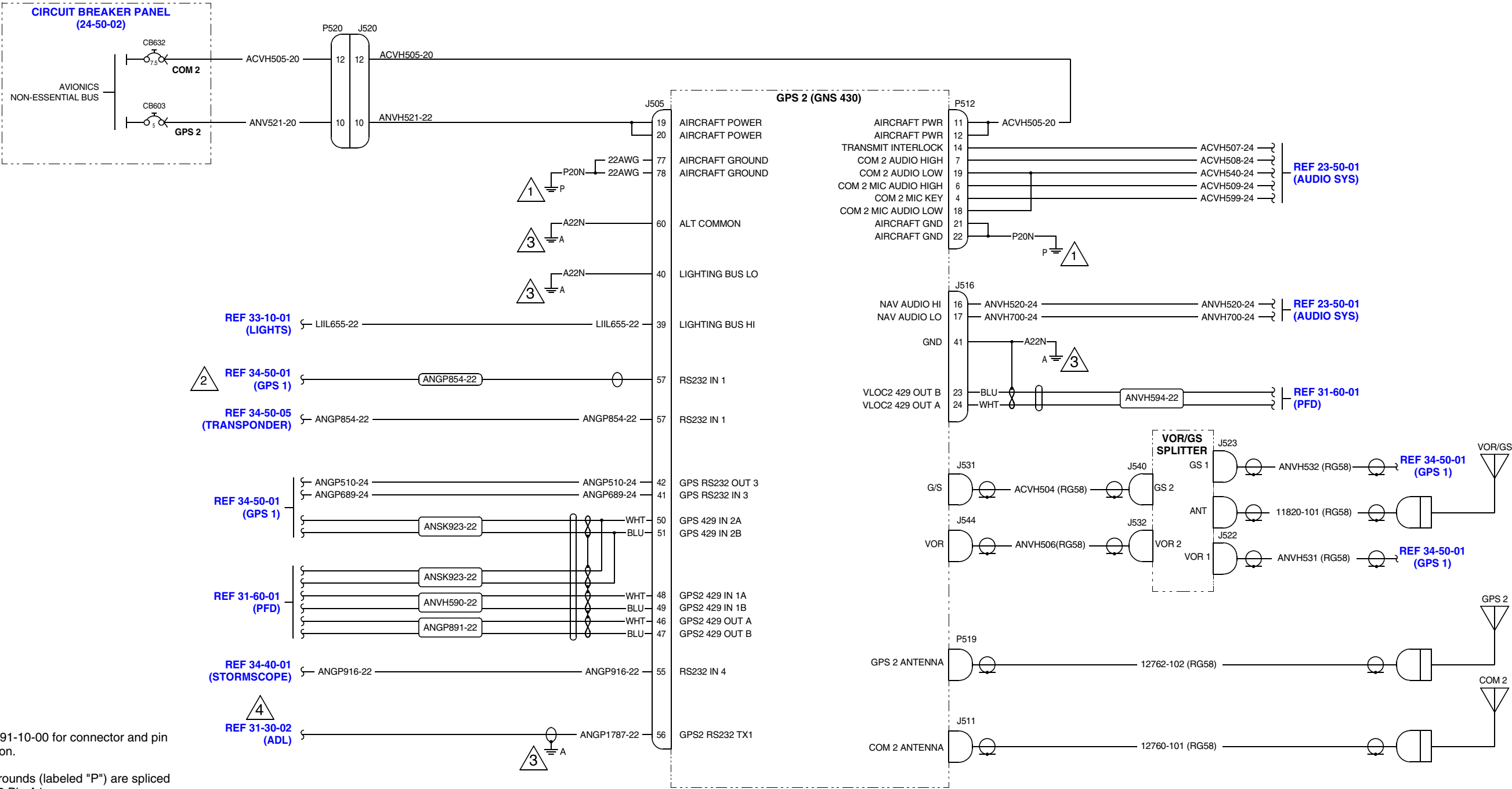
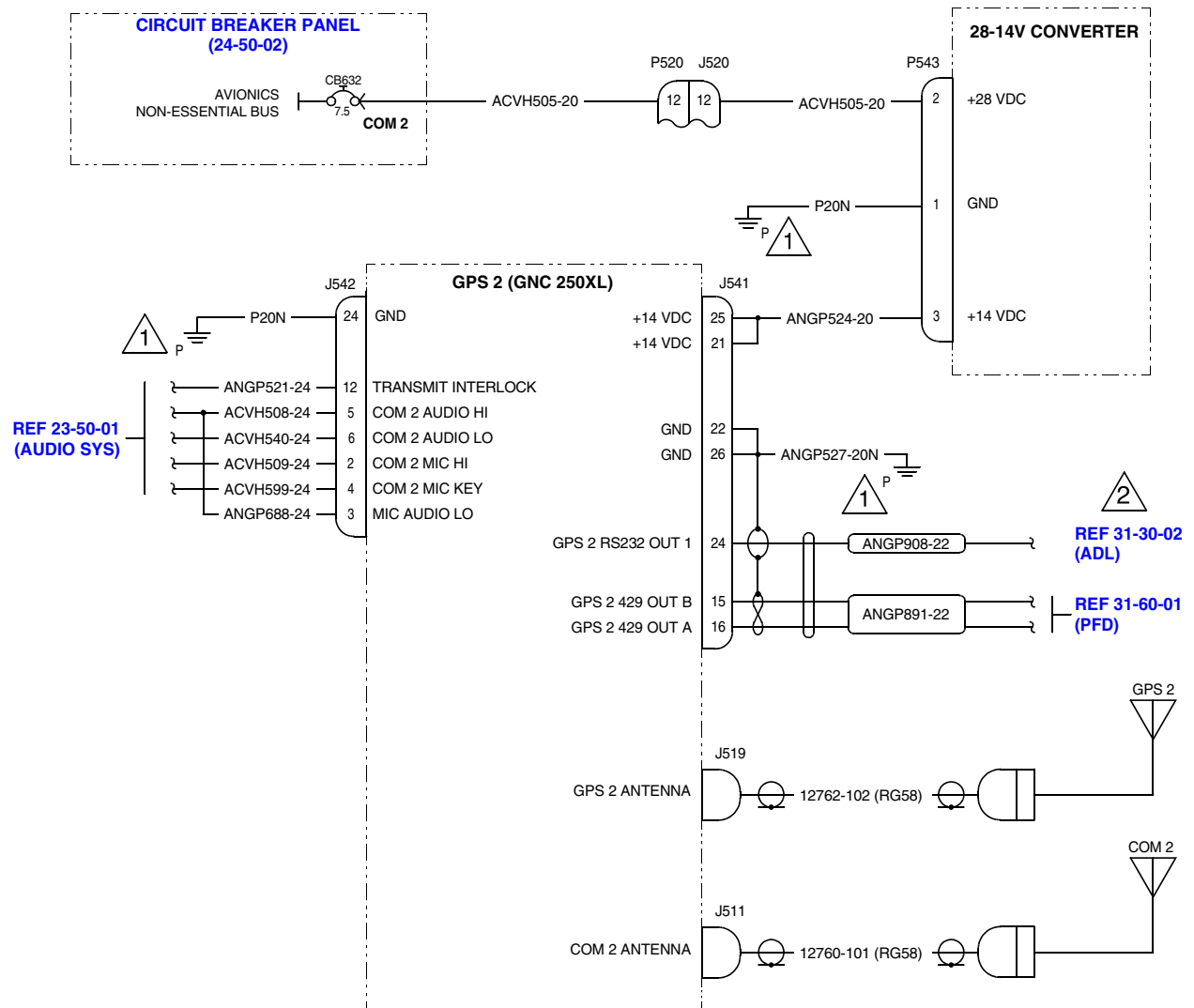


Figure-02
GPS 2 (GNC 420 or GNS430) - Serials 1441 & subs

EFFECTIVITY:
Serials 1441 & subs



NOTES

Refer to 91-10-00 for connector and pin information.

① Power grounds (labeled "P") are spliced into P518 Pin A1.

② Serials 1878, 1886 & subs.

WM15392_09A

Figure-02
GPS 2 (GNC 250XL) - Serials 1337 & subs

EFFECTIVITY:
Serials 1337 & subs

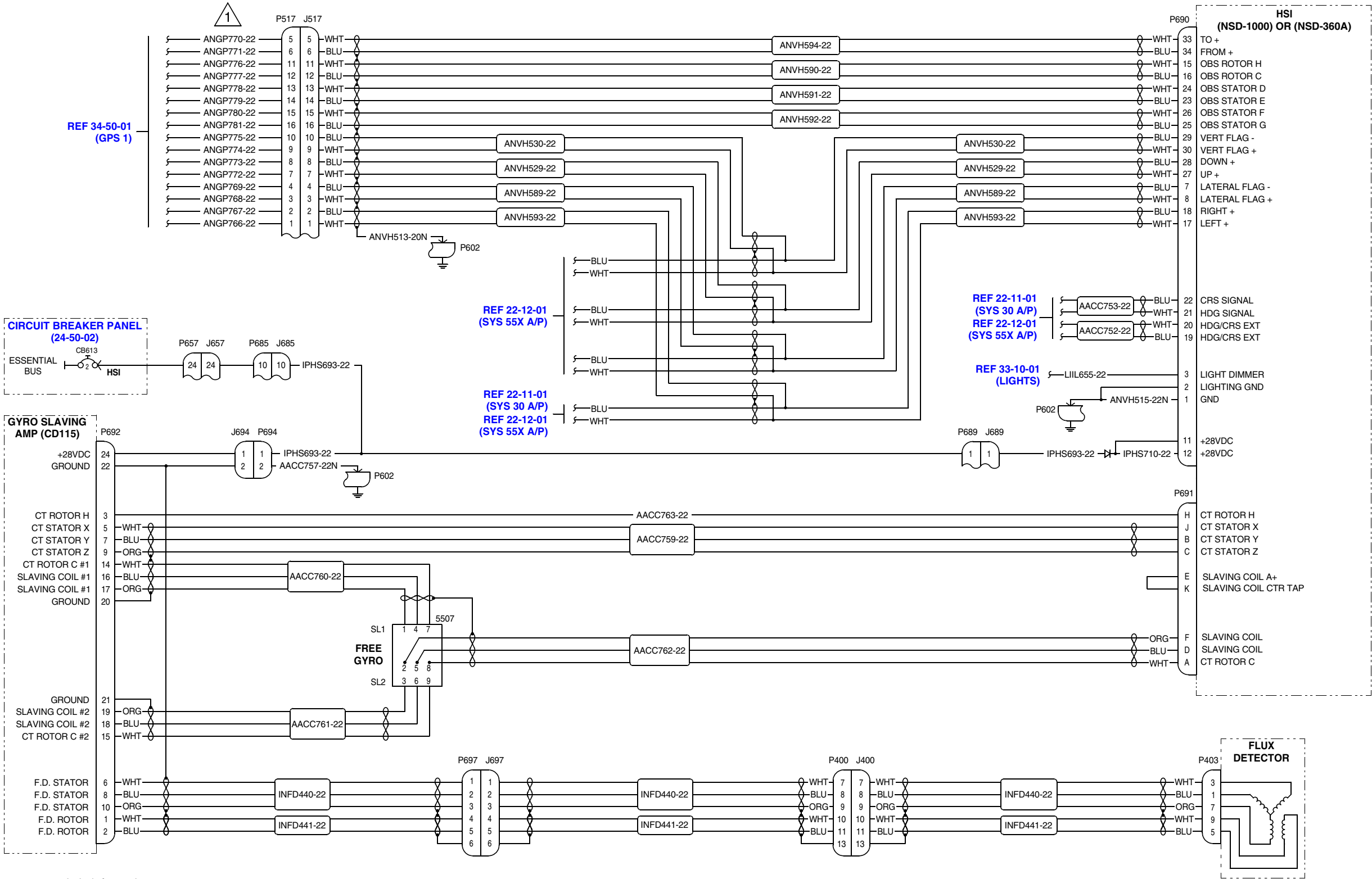


Figure-03
HSI & Heading Reference - Serials 1005 thru 1024, w/ Century HSI

EFFECTIVITY:
Serials 1005 thru 1024, w/ Century HSI

NOTES

Refer to 91-10-00 for connector and pin information.

1 All wires coded ANGP that are shown as 22 AWG on this diagram may be either 22 AWG or 24 AWG.

2 Serials 1045 & subs only.

3 Serials 1148 & subs only.

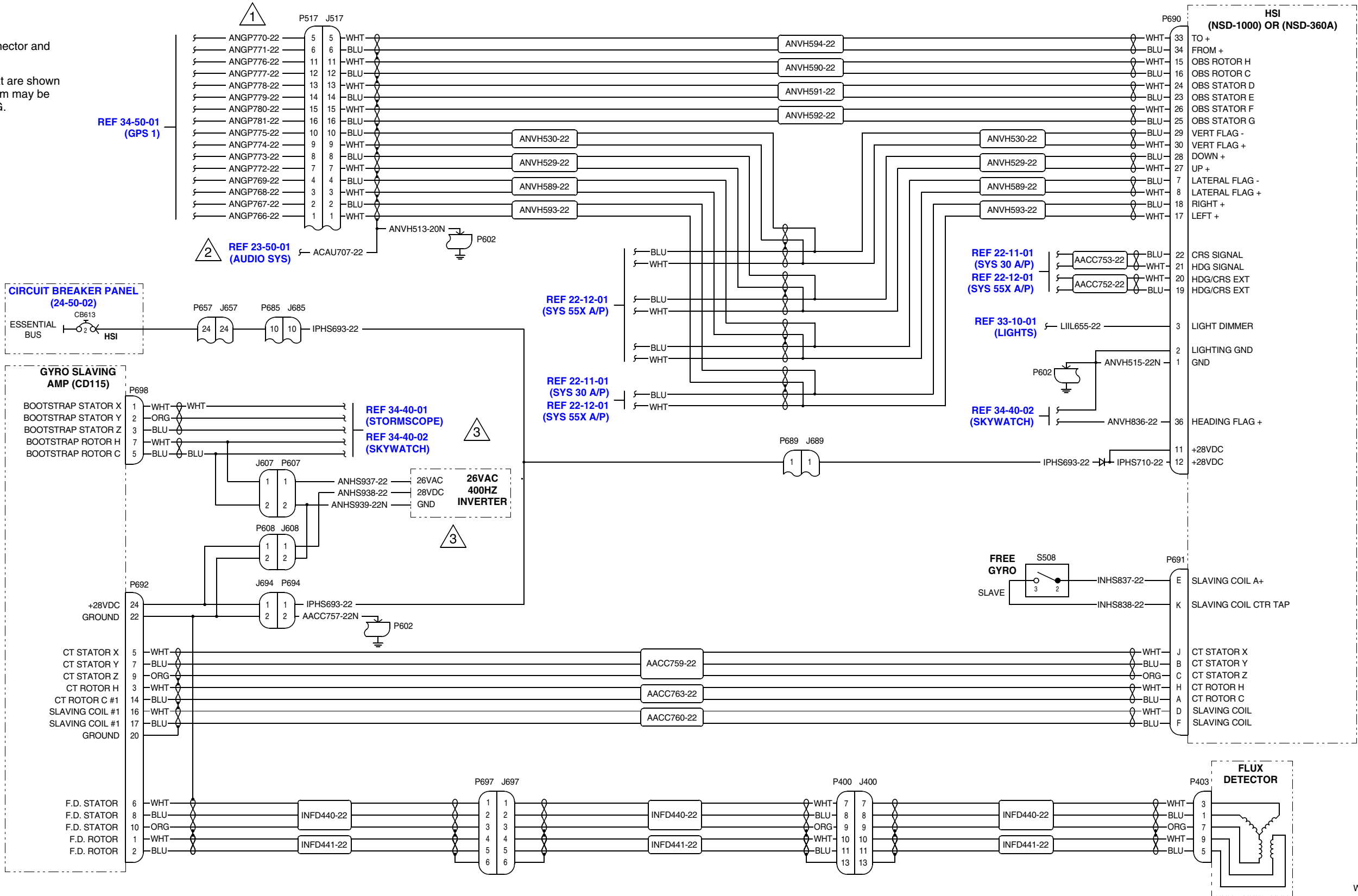


Figure-03

HSI & Heading Reference - Serials 1025 thru 1178, w/ Century HSI

EFFECTIVITY:
Serials 1025 thru 1178, w/ Century HSI

Refer to 91-10-00 for connector and pin information.

REF 34-50-01
(GPS 1)

REF 23-50-01
(AUDIO SYS)

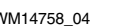
REF 22-11-01
(SYS 30 A/P)

REF 22-11-01
(SYS 30 A/P)
REF 22-12-01
(SYS 55X A/P)

REF 33-10-01
(LIGHTS)

REF 34-40-01
(STORMSCOPE)

REF 34-40-02
(SKYWATCH)

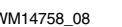


HSI & Heading Reference - Serials 1179 thru 1267, w/ Century HSI

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Refer to 91-10-00 for connector and pin information.

REF 34-50-01
(GPS 1)



HSI & Heading Reference - Serials 1268 thru 1336, w/ Century HSI

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NOTES

Refer to 91-10-00 for connector and pin information.

1 All wires coded ANGP that are shown as 22 AWG on this diagram may be either 22 AWG or 24 AWG.

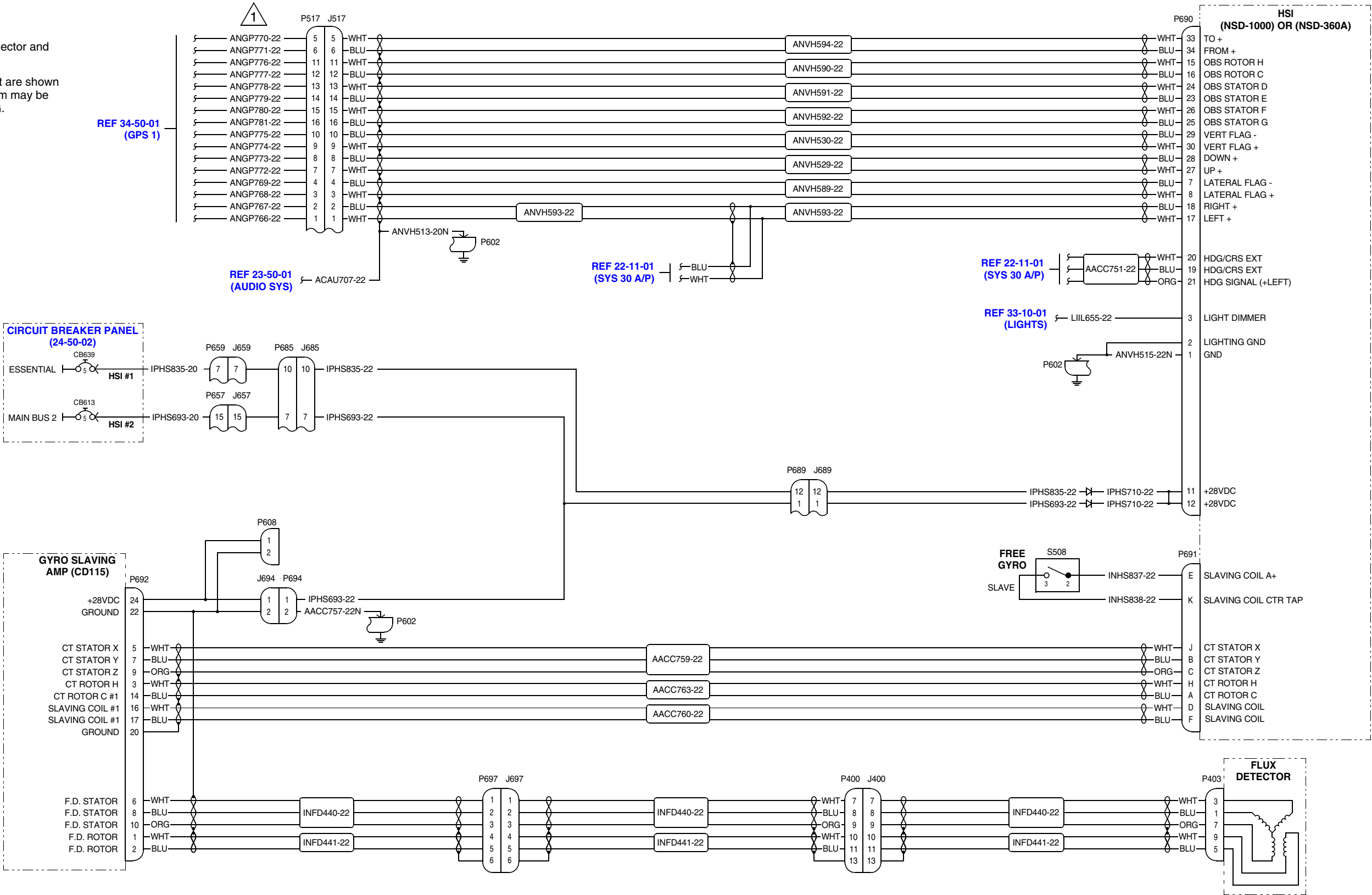


Figure-03

HSI & Heading Reference - Serials 1268 thru 1336, w/ Century HSI Config. "2.0"

EFFECTIVITY:
Serials 1268 thru 1336, w/ Century HSI Config. "2.0"

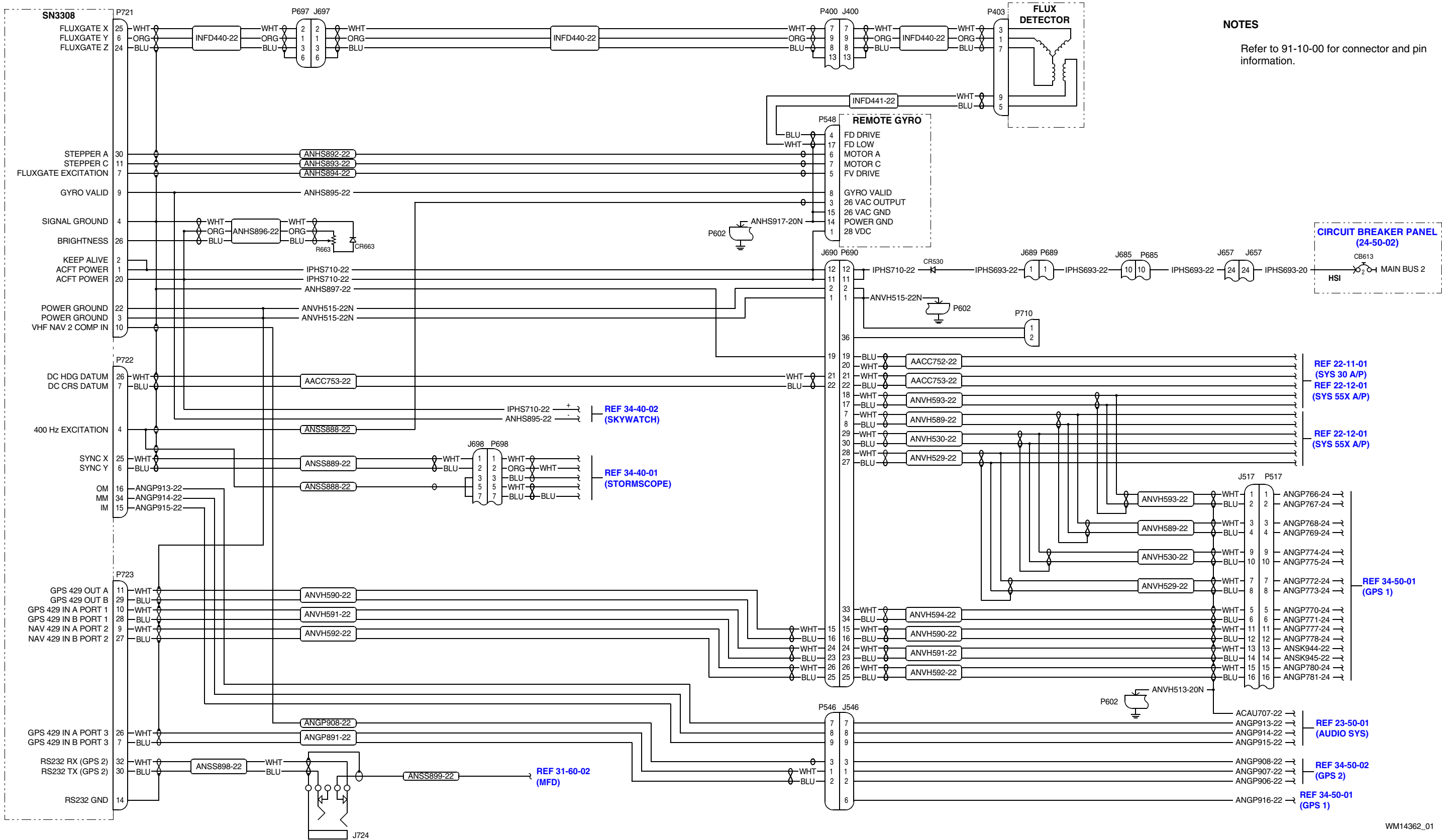
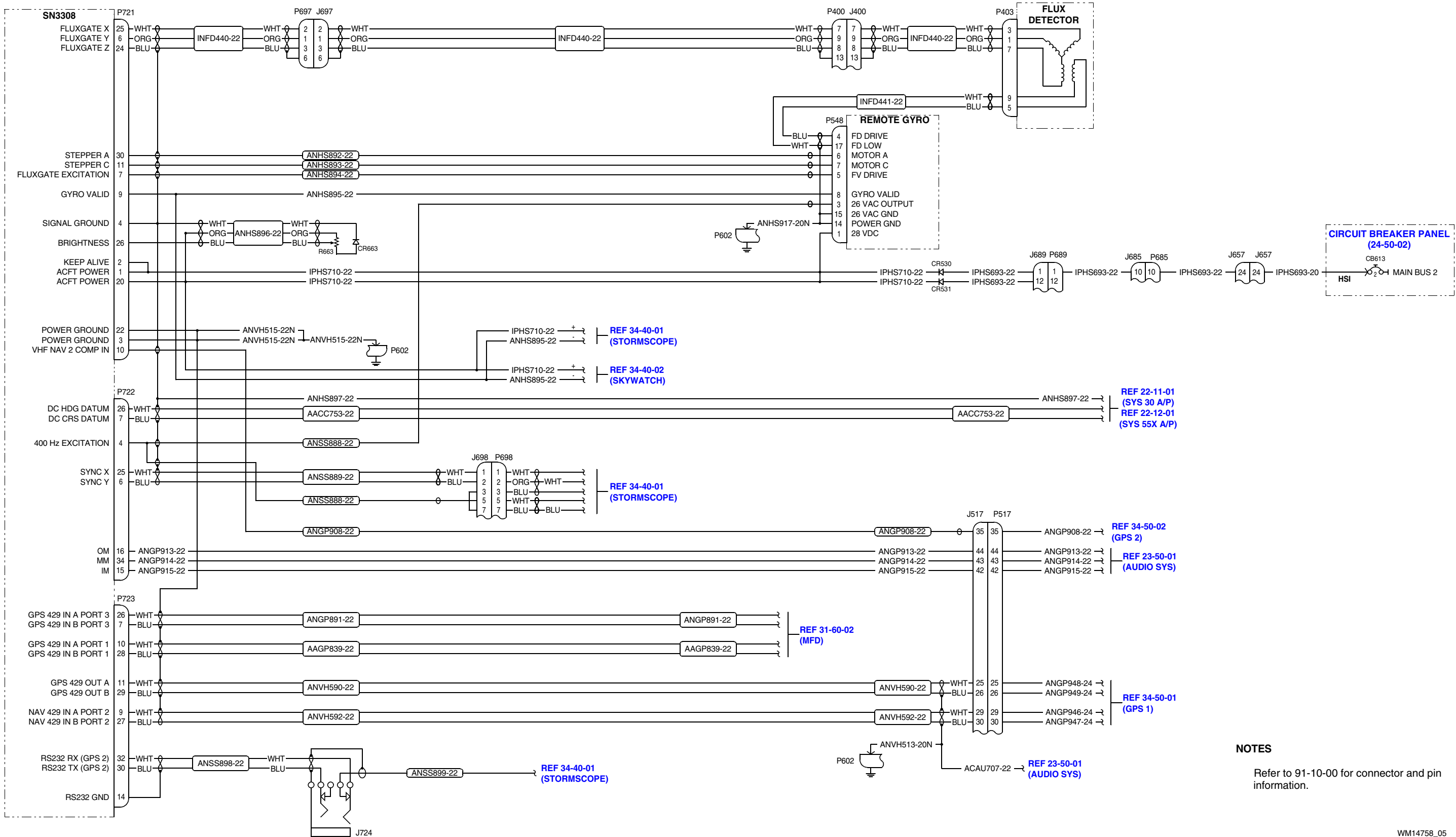


Figure-03

HSI & Heading Reference - Serials 1148 thru 1178, w/ Sandel HSI

EFFECTIVITY:
Serials 1148 thru 1178, w/ Sandel HSI

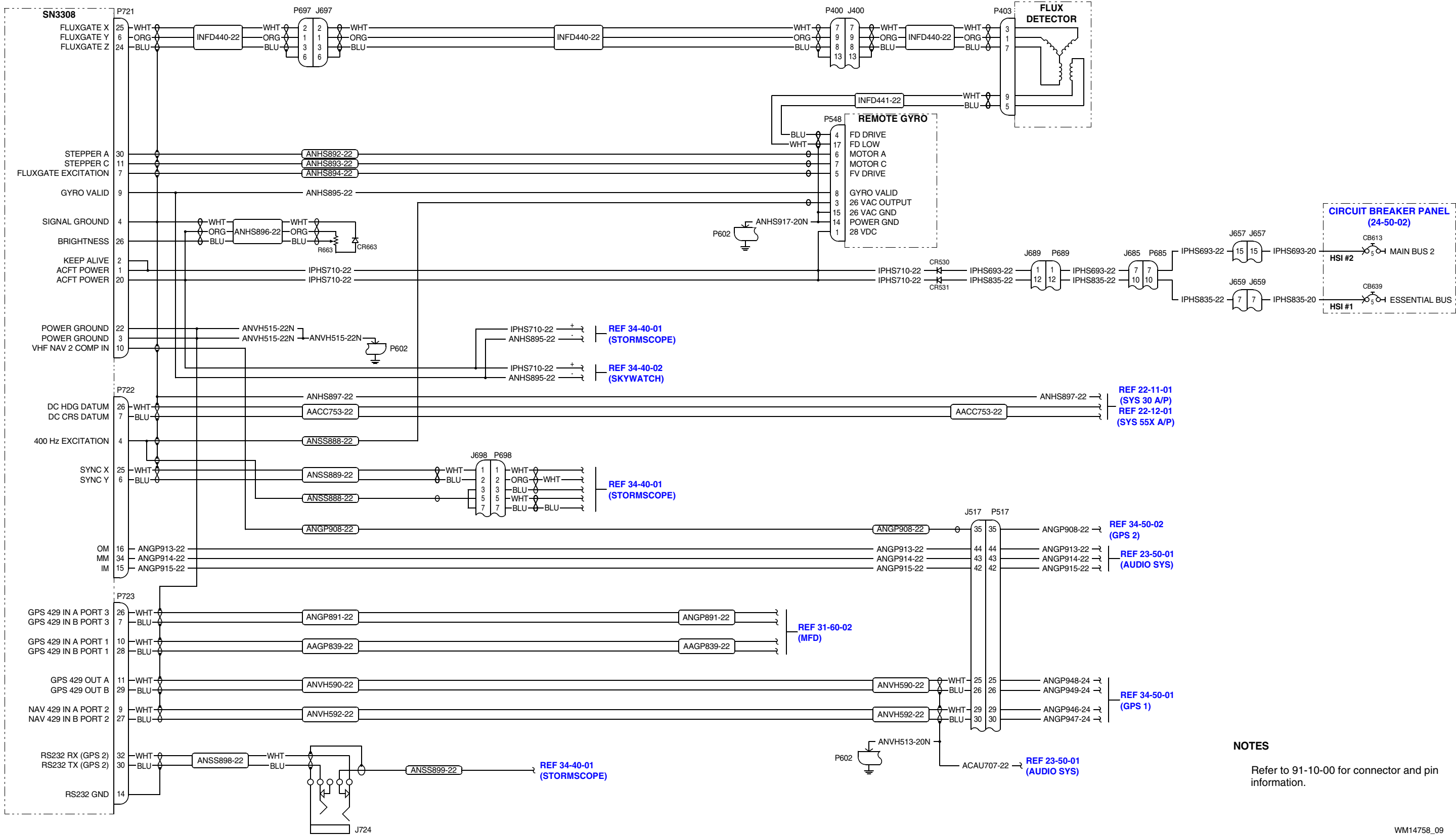


NOTES
Refer to 91-10-00 for connector and pin information.

Figure-03

HSI & Heading Reference - Serials 1179 thru 1267, w/ Sandel HSI

EFFECTIVITY:
Serials 1179 thru 1267, w/ Sandel HSI

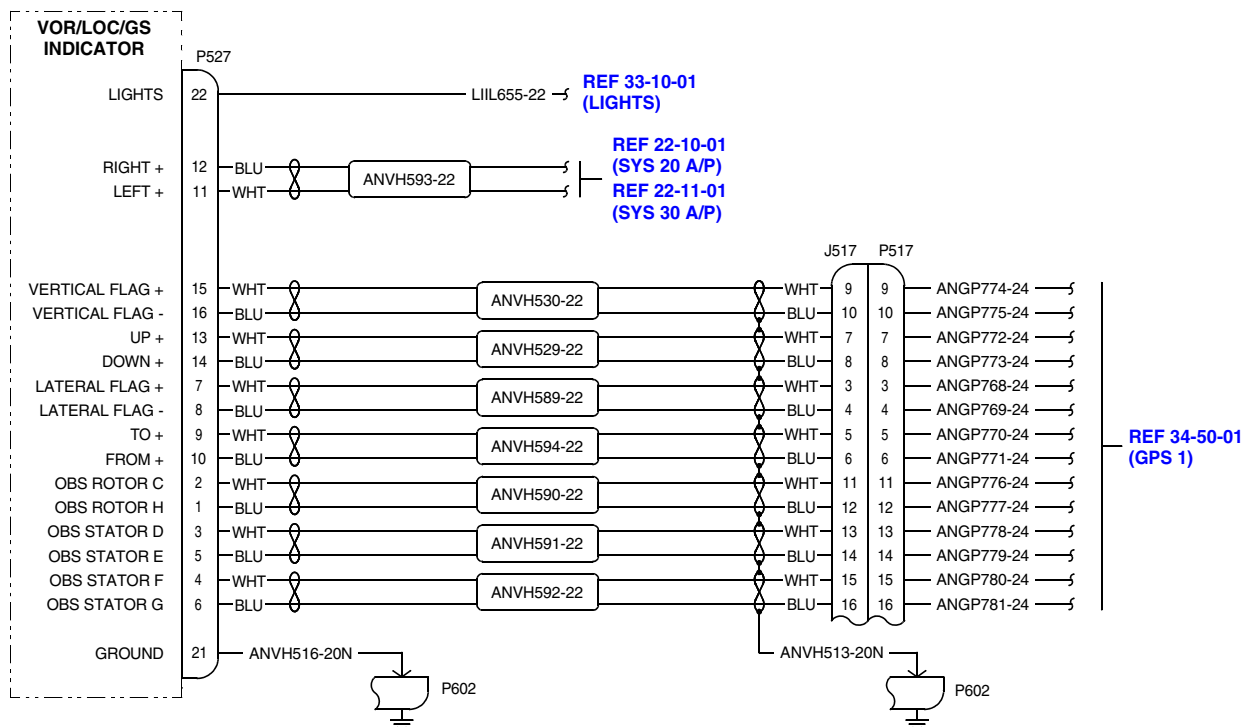


NOTES
Refer to 91-10-00 for connector and pin information.

Figure-03

HSI & Heading Reference - Serials 1268 thru 1336, w/ Sandel HSI

EFFECTIVITY:
Serials 1268 thru 1336, w/ Sandel HSI



NOTES

Except for power or ground (N) wires, all 22 AWG wires on this diagram may be either 24 AWG or 22 AWG. All power and ground (N) wire gauge are as indicated.

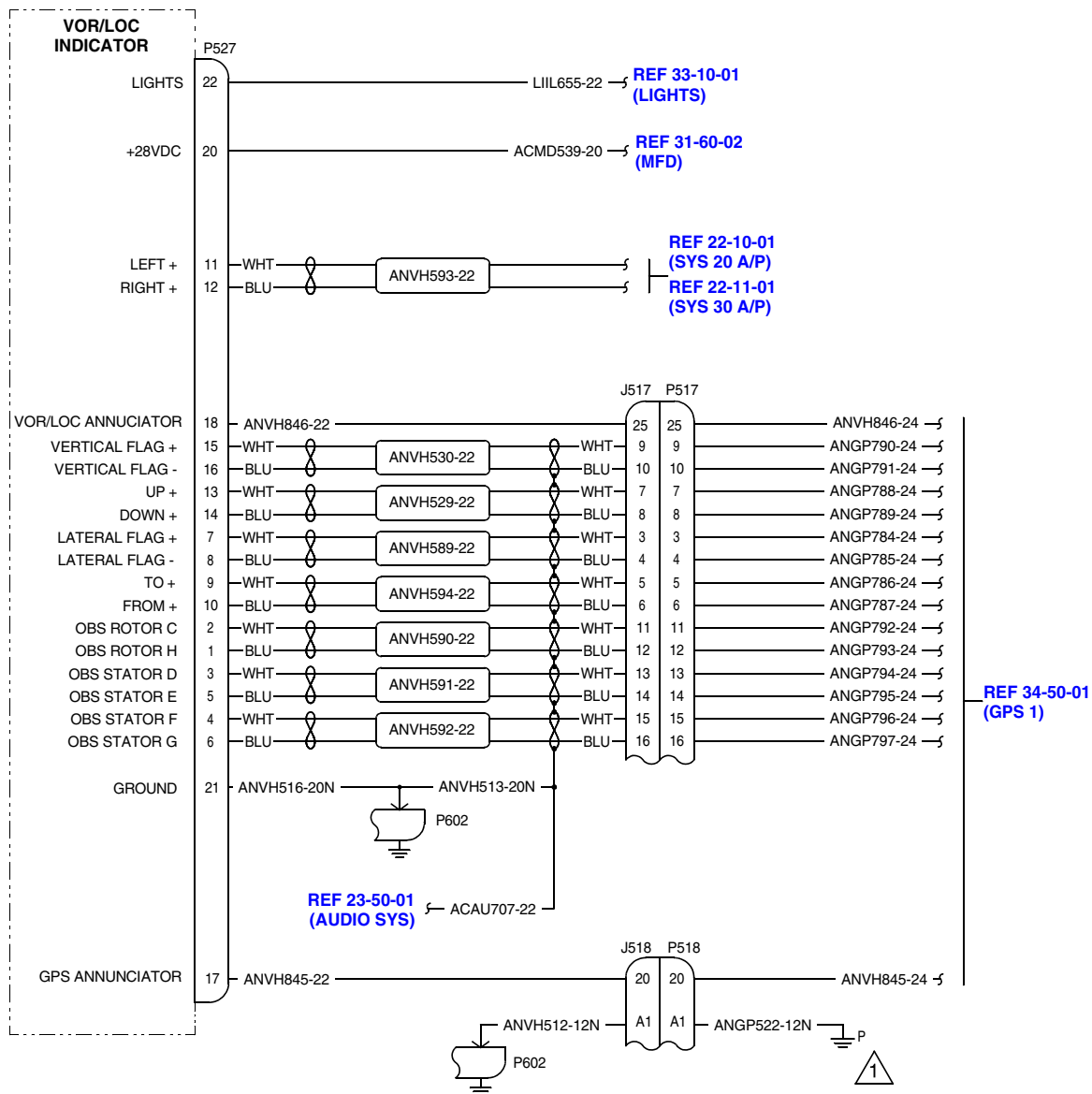
Refer to 91-10-00 for connector and pin information.

WM13008_01A

Figure-04
VOR/LOC/ILS/GS Indicator - Serials 1005 thru 1044, Config. "A"

EFFECTIVITY:
Serials 1005 thru 1044, Config. "A"

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NOTES

Refer to 91-10-00 for connector and pin information.

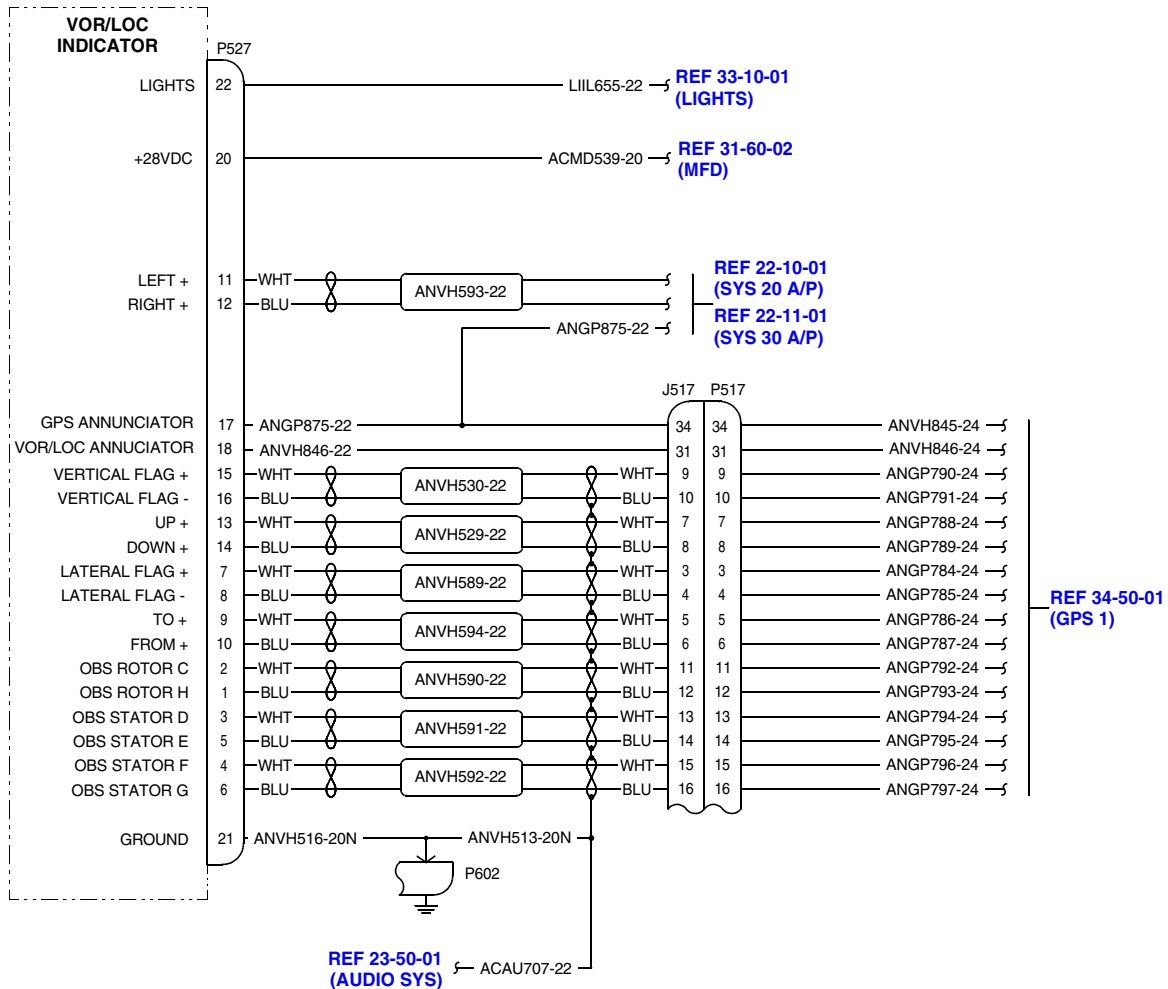
1 Power grounds (labeled "P") are spliced into P518 Pin A1.

WM13008_02B

Figure-04
VOR/LOC/ILS/GS Indicator - Serials 1045 thru 1178, Config. "A"

EFFECTIVITY:
Serials 1045 thru 1178, Config. "A"

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NOTES

Refer to 91-10-00 for connector and pin information.

WM14758_06

Figure-04

VOR/LOC/ILS/GS Indicator - Serials 1179 thru 1267, Config. "A"

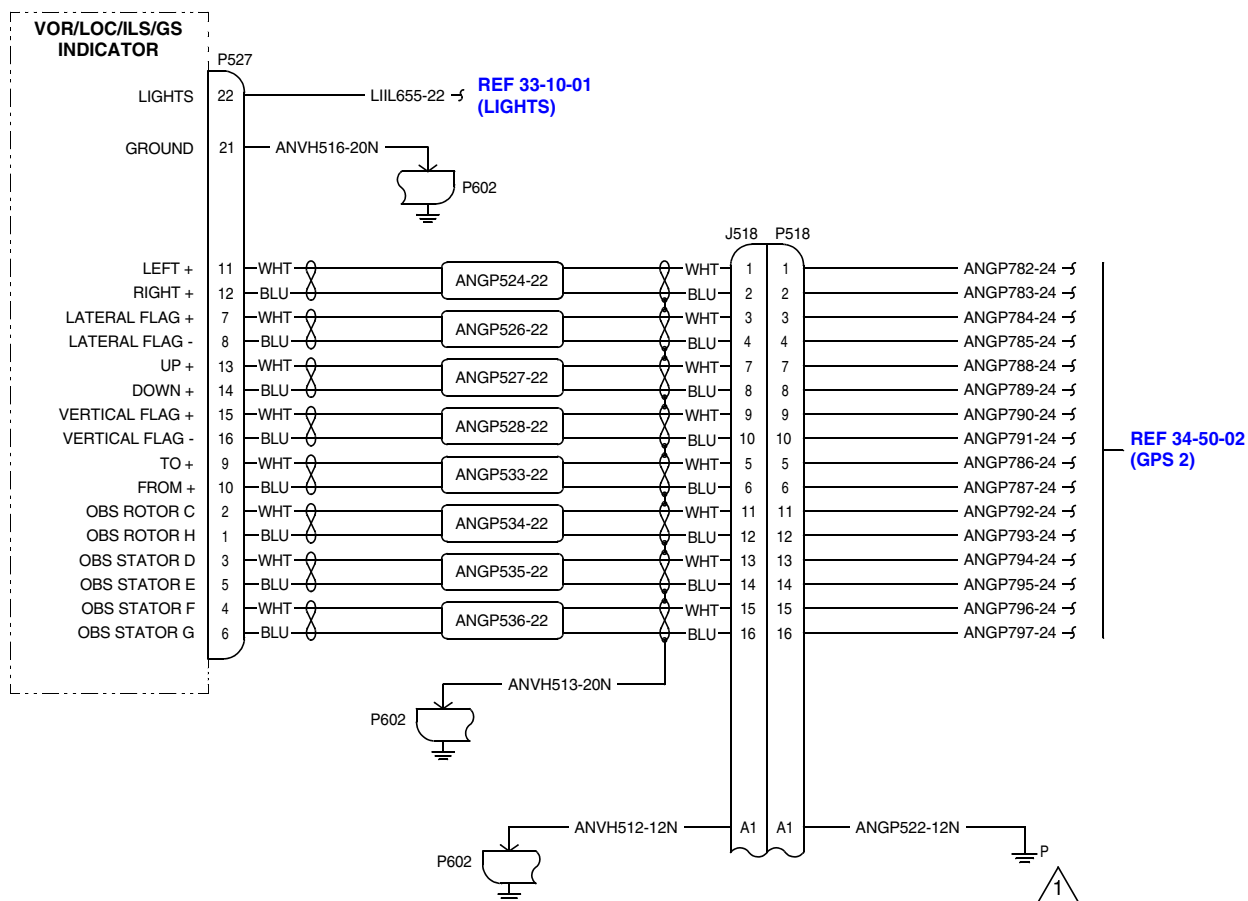
EFFECTIVITY:

Serials 1179 thru 1267, Config. "A"

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**NOTES**

Except for power or ground (N) wires, all 22 AWG wires on this diagram may be either 24 AWG or 22 AWG. All power and ground (N) wire gauge are as indicated.

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

WM13008_03A

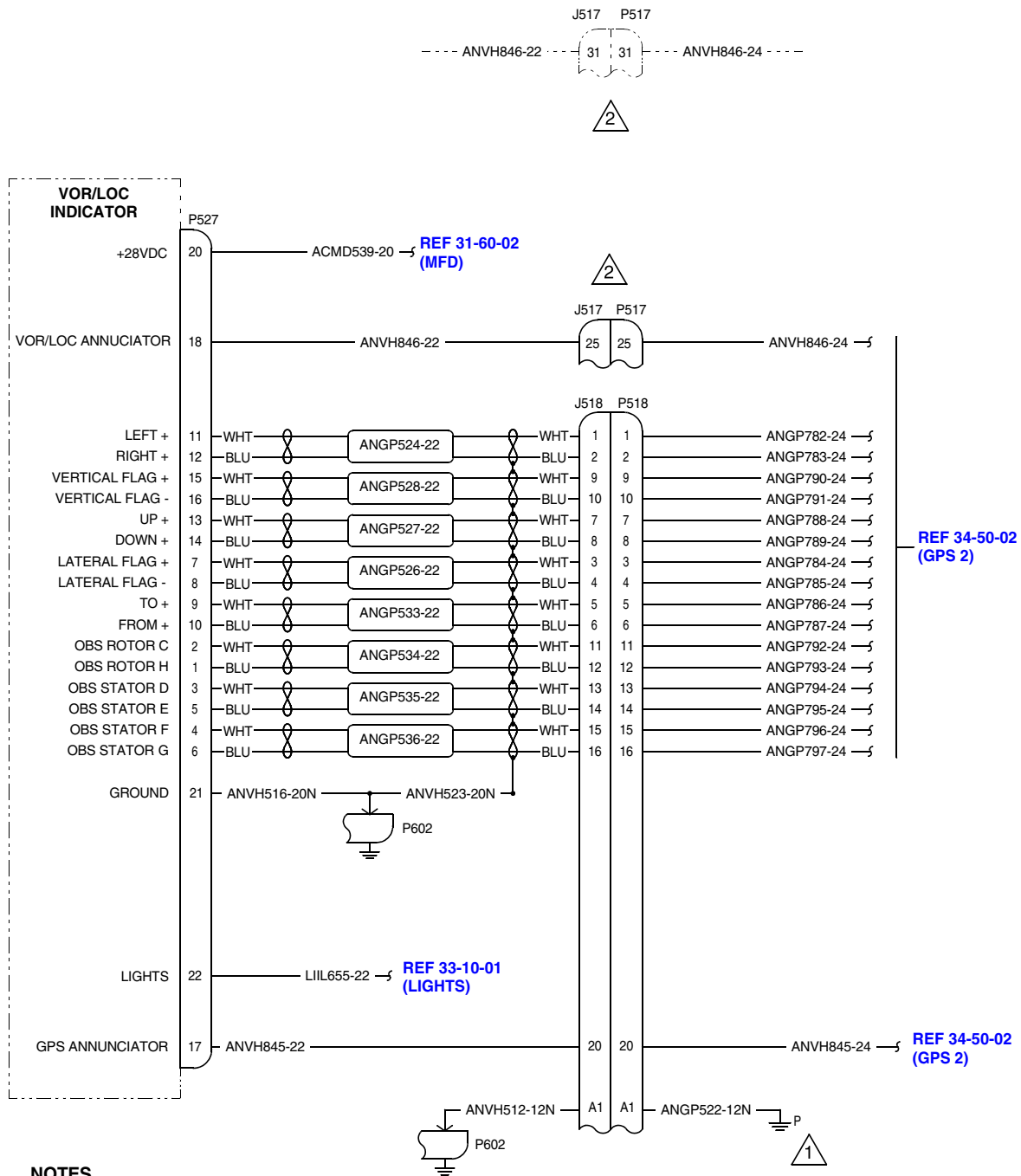
Figure-04**VOR/LOC/GS Indicator - Serials 1005 thru 1044, Config. "B" or "C"****EFFECTIVITY:**

Serials 1005 thru 1044, Config. "B" or "C"

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Power grounds (labeled "P") are spliced into P518 Pin A1.

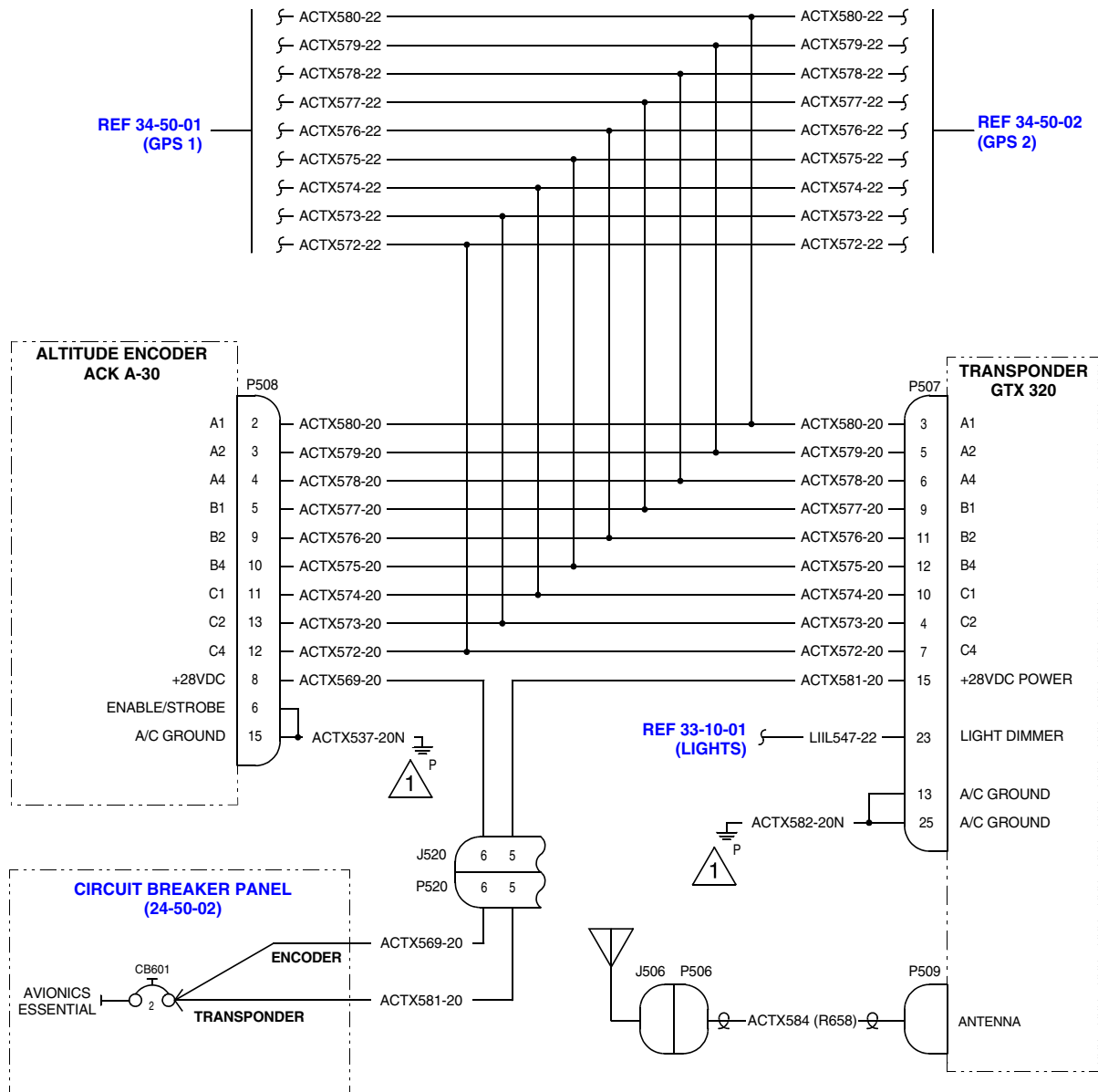
2 Serials 1179 & subs only.

WM13008_04B

Figure-04
VOR/LOC/GS Indicator - Serials 1045 thru 1336, Config. "B" or "C"

EFFECTIVITY:
Serials 1045 thru 1336, Config. "B" or "C"

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NOTES

Refer to 91-10-00 for connector and pin information.

Power grounds (labeled "P") are spliced into P518 Pin A1.

WM13010_01

Figure-05
Transponder (GTX 320) - Serials 1005 thru 1099



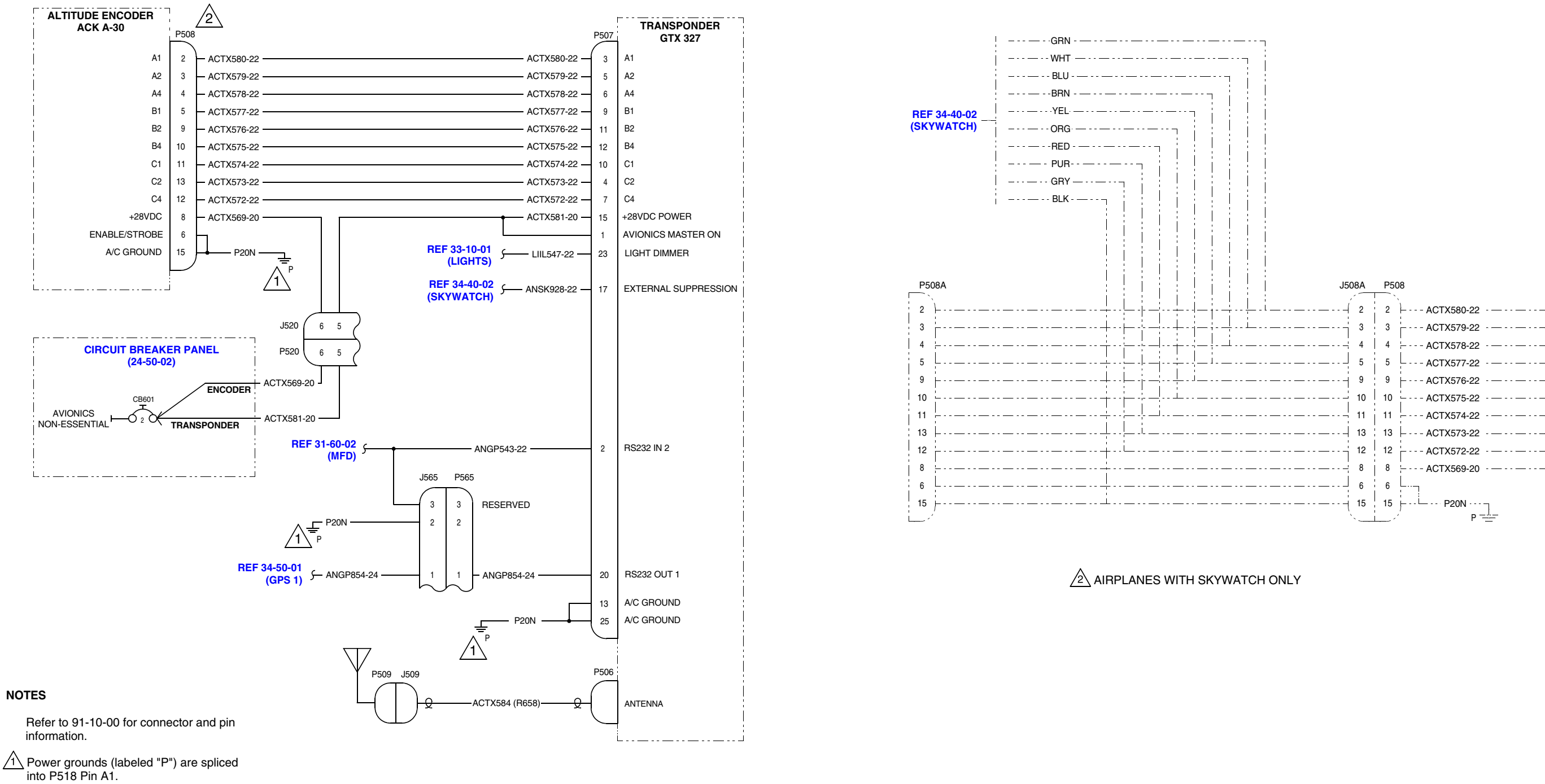
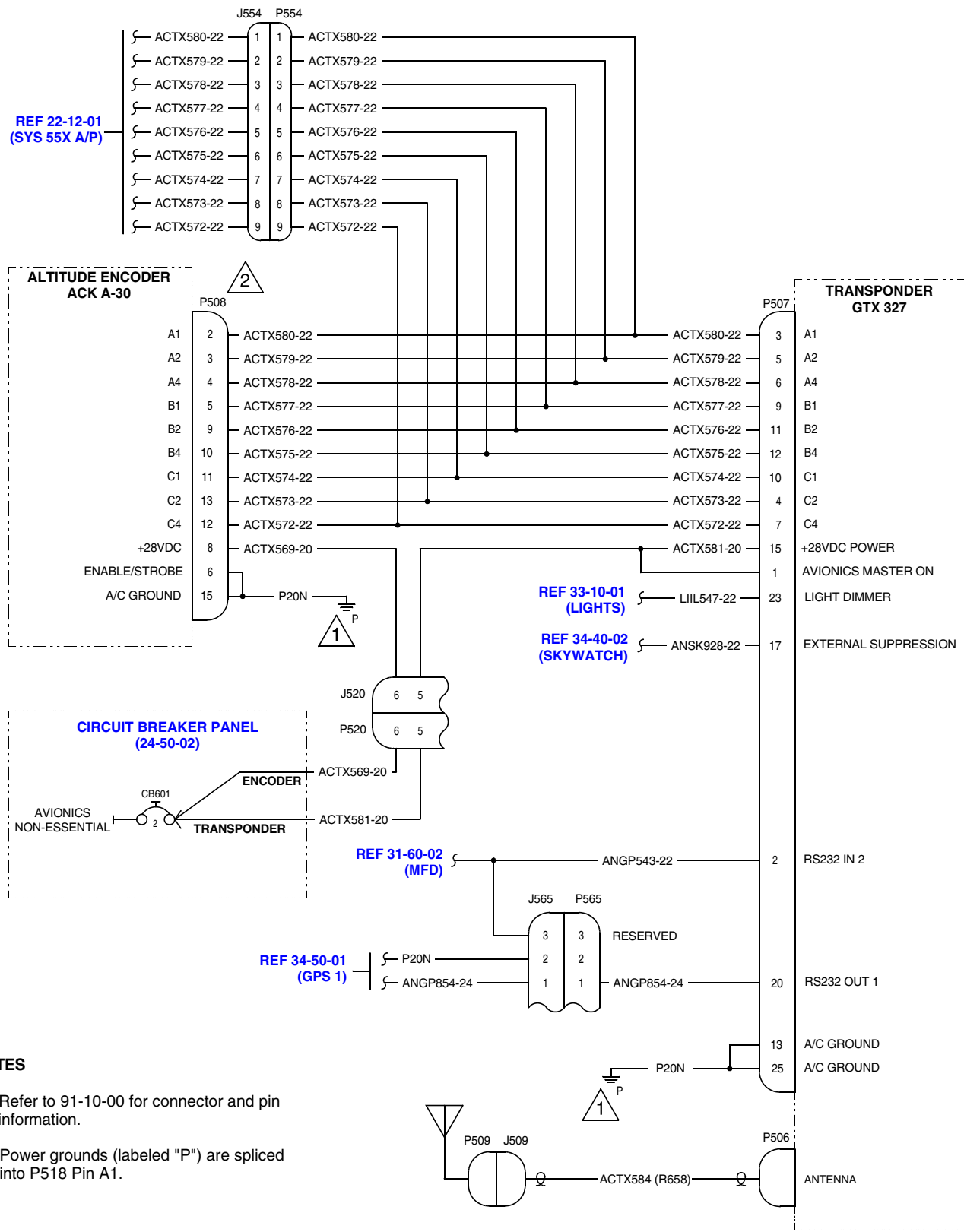


Figure-05
Transponder (GTX 327) - Serials 1148 thru 1178, Config. "B" & "C"

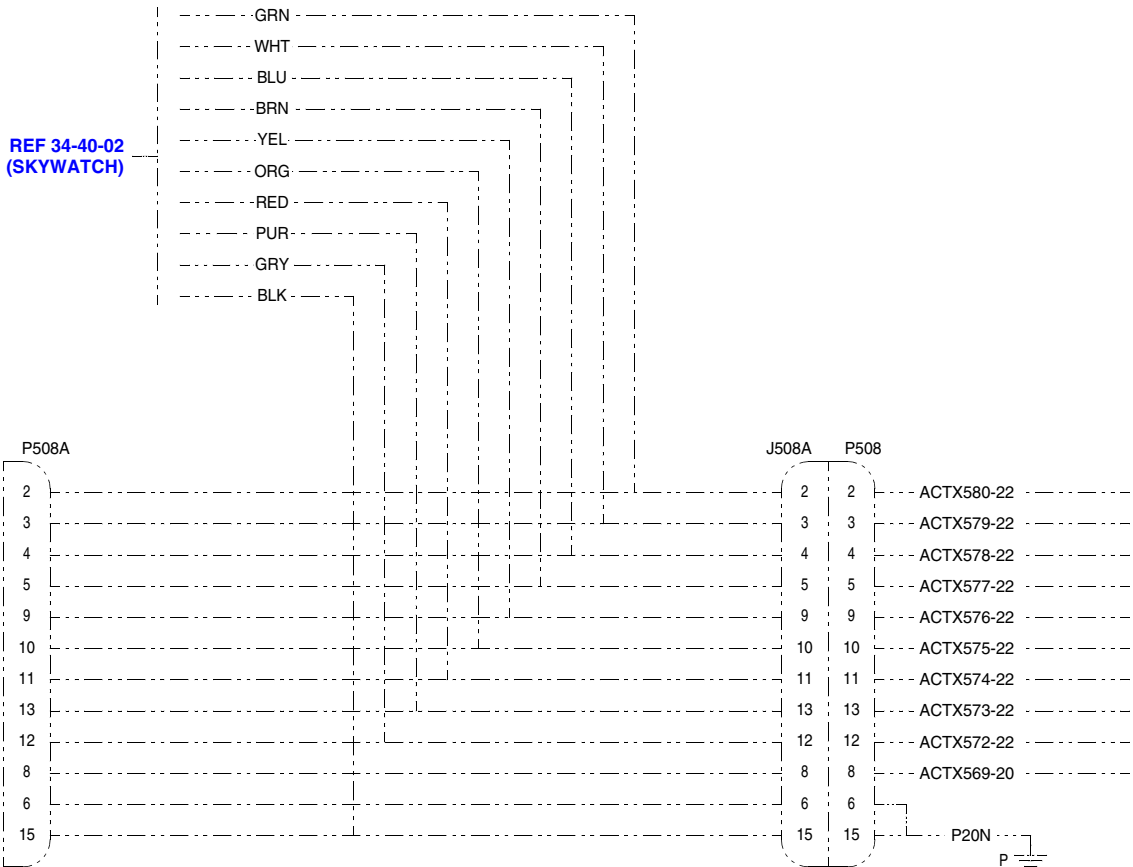
EFFECTIVITY:
Serials 1148 thru 1178, Config. "B" & "C"



NOTES

Refer to 91-10-00 for connector and pin information.

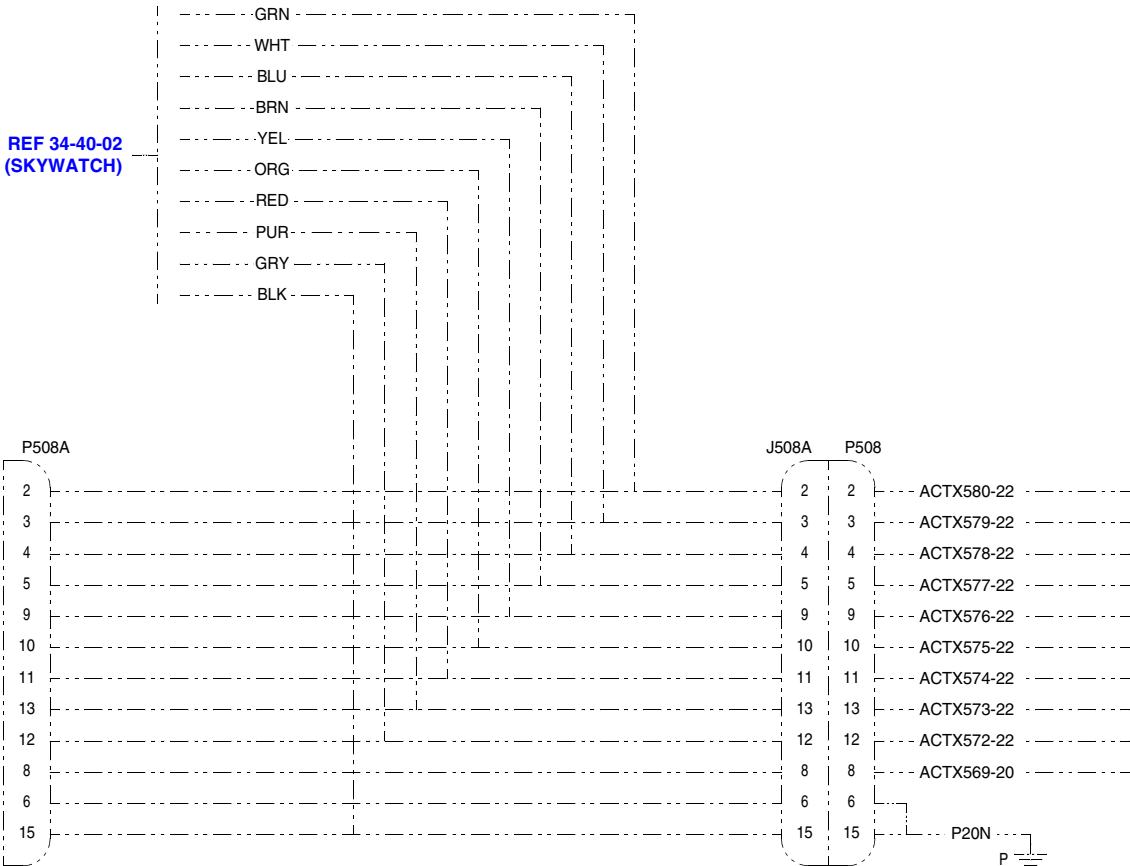
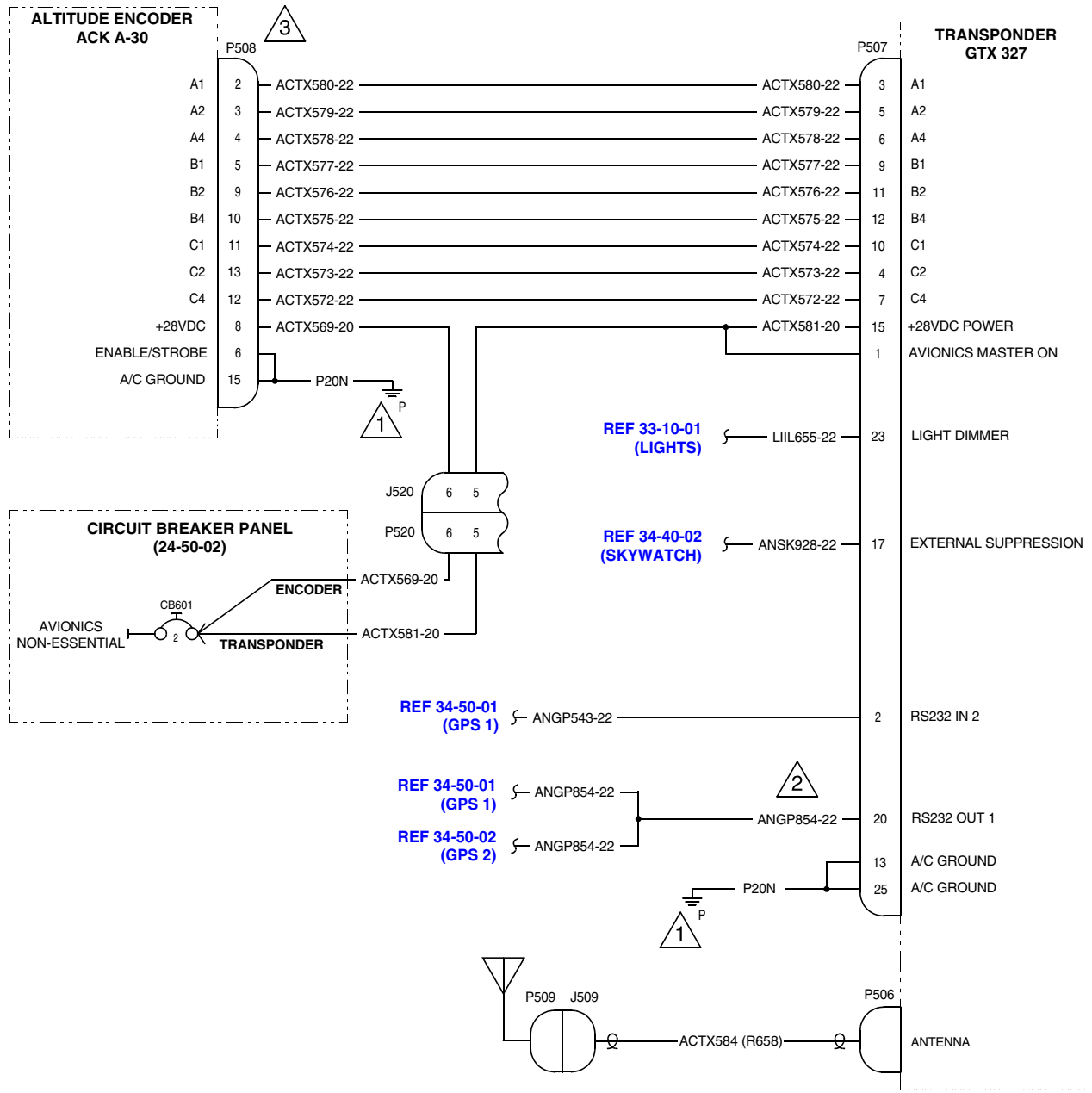
1 Power grounds (labeled "P") are spliced into P518 Pin A1.



2 AIRPLANES WITH SKYWATCH ONLY

Figure-05
Transponder (GTX 327) - Serials 1179 thru 1336, Config. "B" & "C"

EFFECTIVITY:
Serials 1179 thru 1336, Config. "B" & "C"



3 AIRPLANES WITH SKYWATCH ONLY

NOTES

- Refer to 91-10-00 for connector and pin information.
- 1 Power grounds (labeled "P") are spliced into P518 Pin A1.
- 2 Serials 1359 & subs only w/ SRV option.

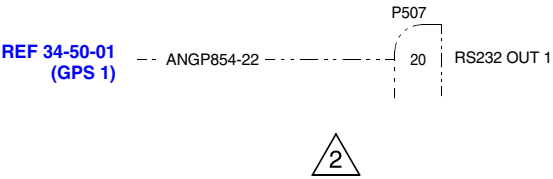
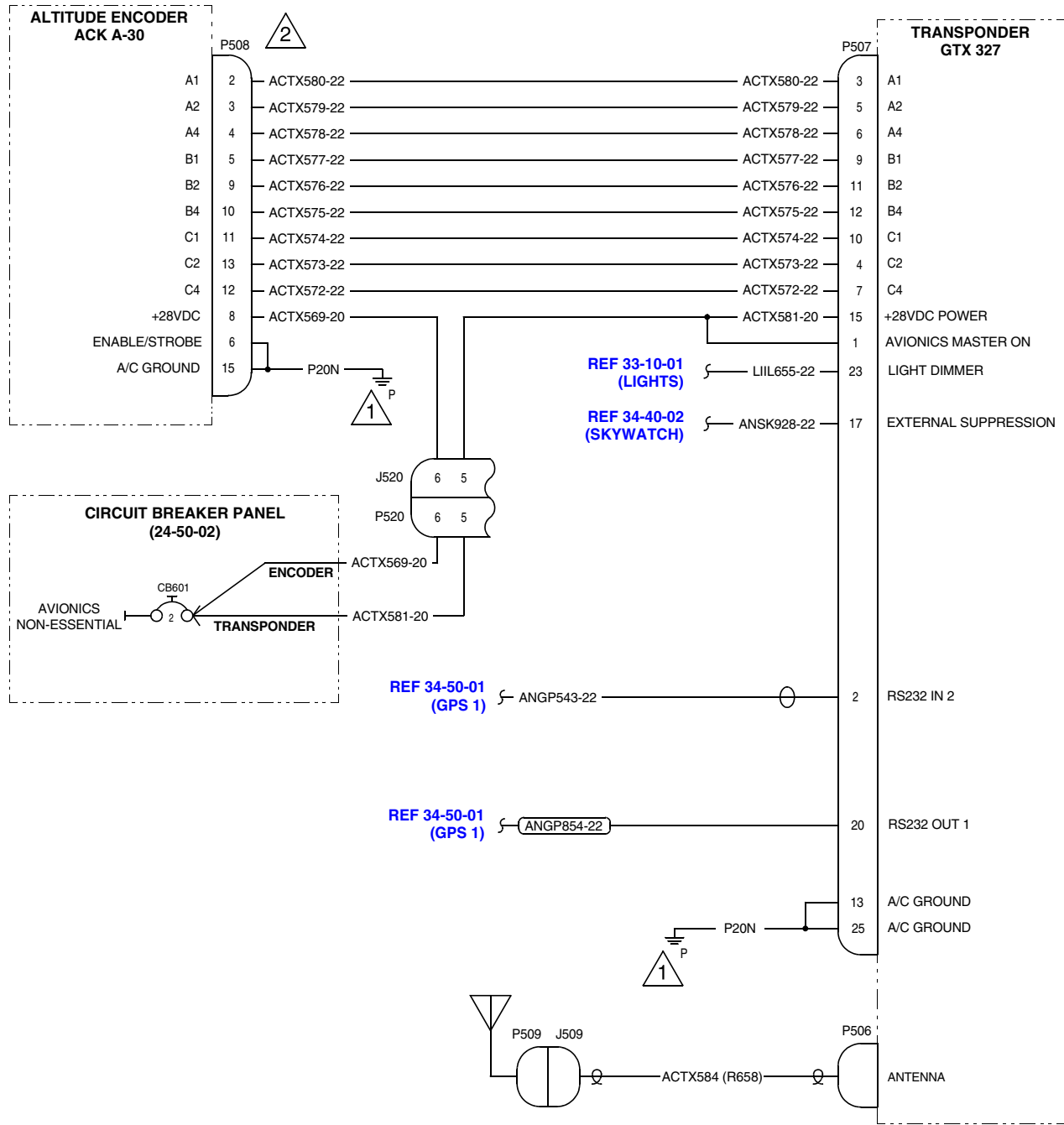


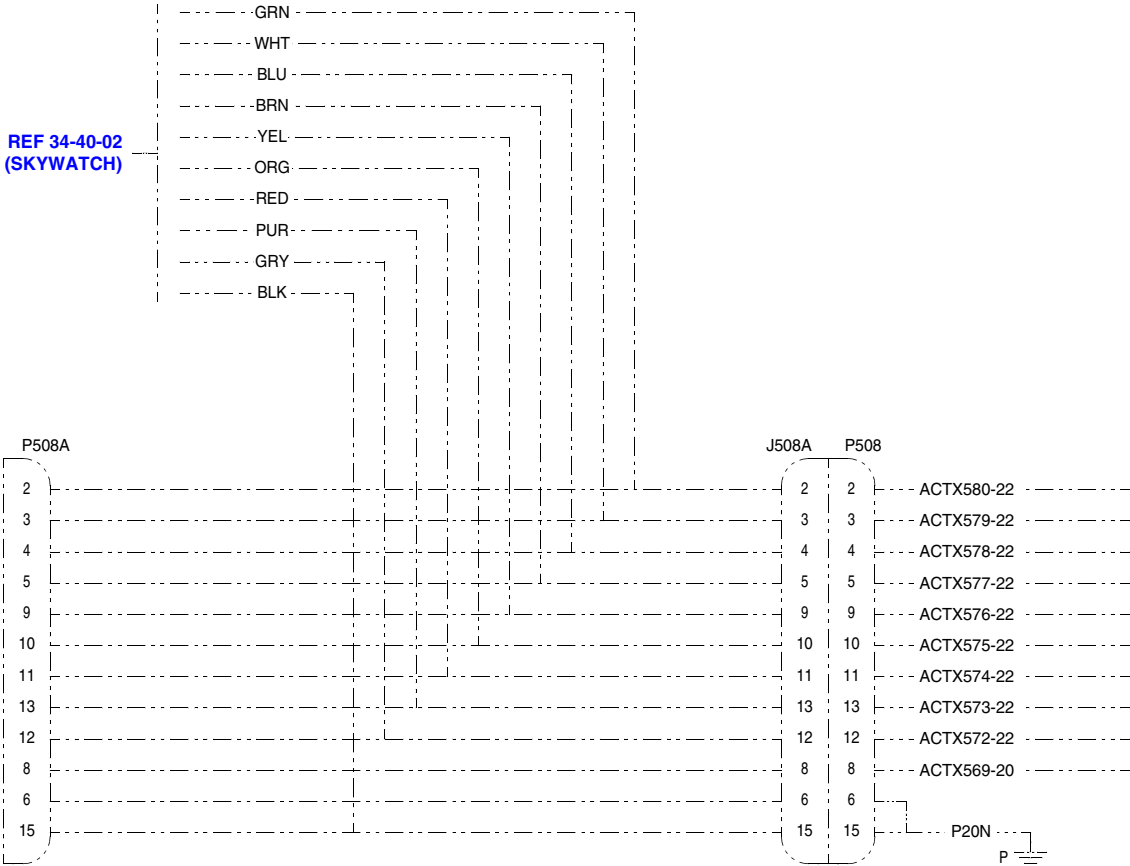
Figure-05
Transponder (GTX 327) - Serials 1337 thru 1440



NOTES

Refer to 91-10-00 for connector and pin information.

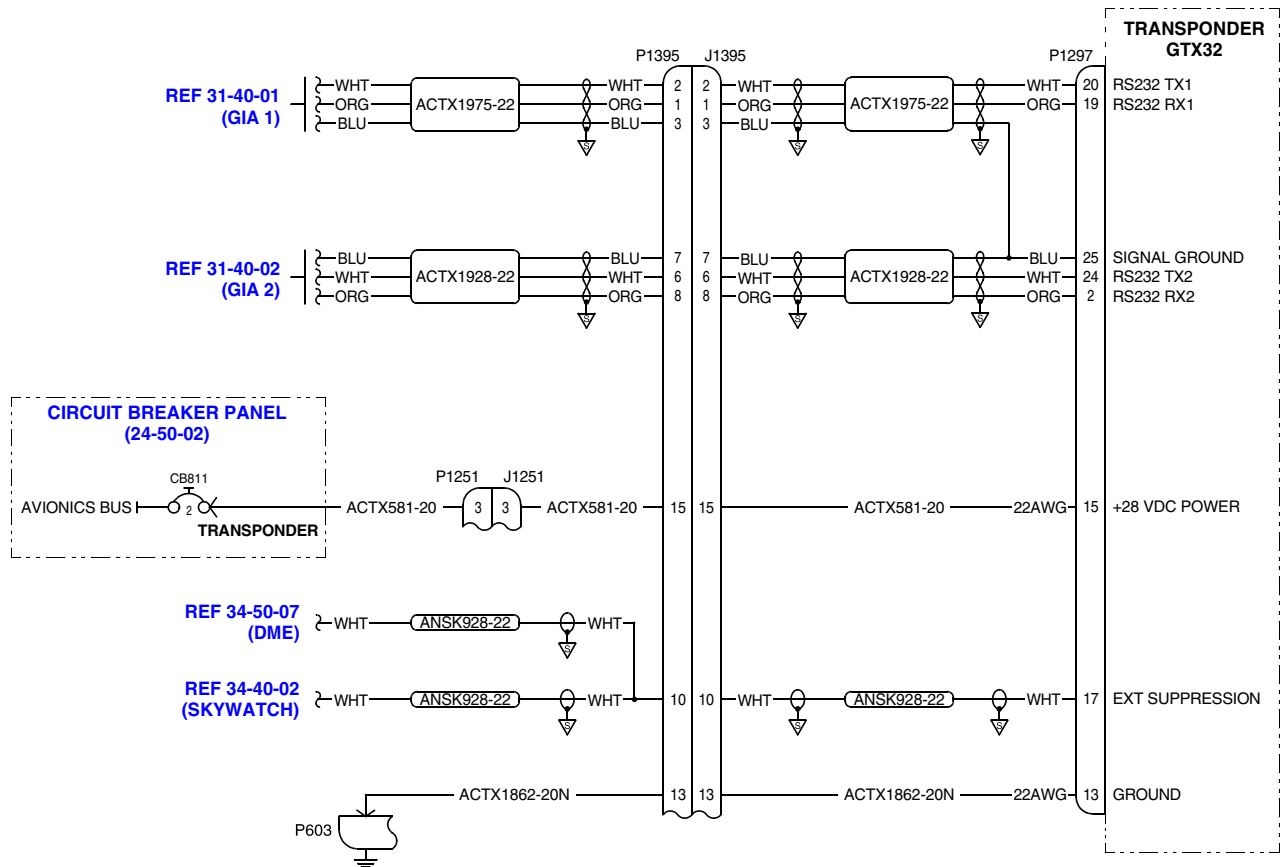
Power grounds (labeled "P") are spliced into P518 Pin A1.



AIRPLANES WITH SKYWATCH ONLY

Figure-05
Transponder (GTX 327) - Serials 1441 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1441 & subs w/o Perspective Avionics



NOTES

Refer to 91-10-00 for connector and pin information.

WM24792_01

Figure-05
Mode C Transponder (GTX 32) - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
 Serials 2016 & subs w/ Perspective Avionics

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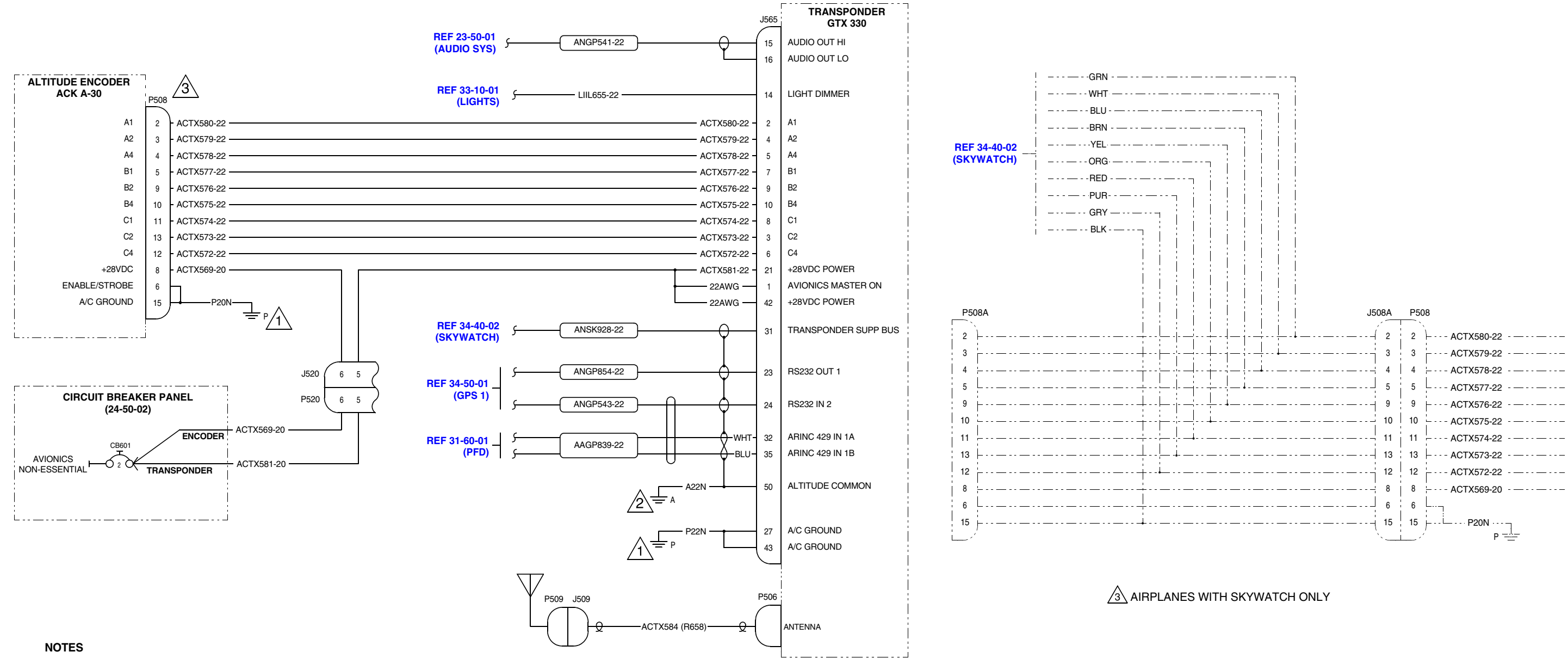
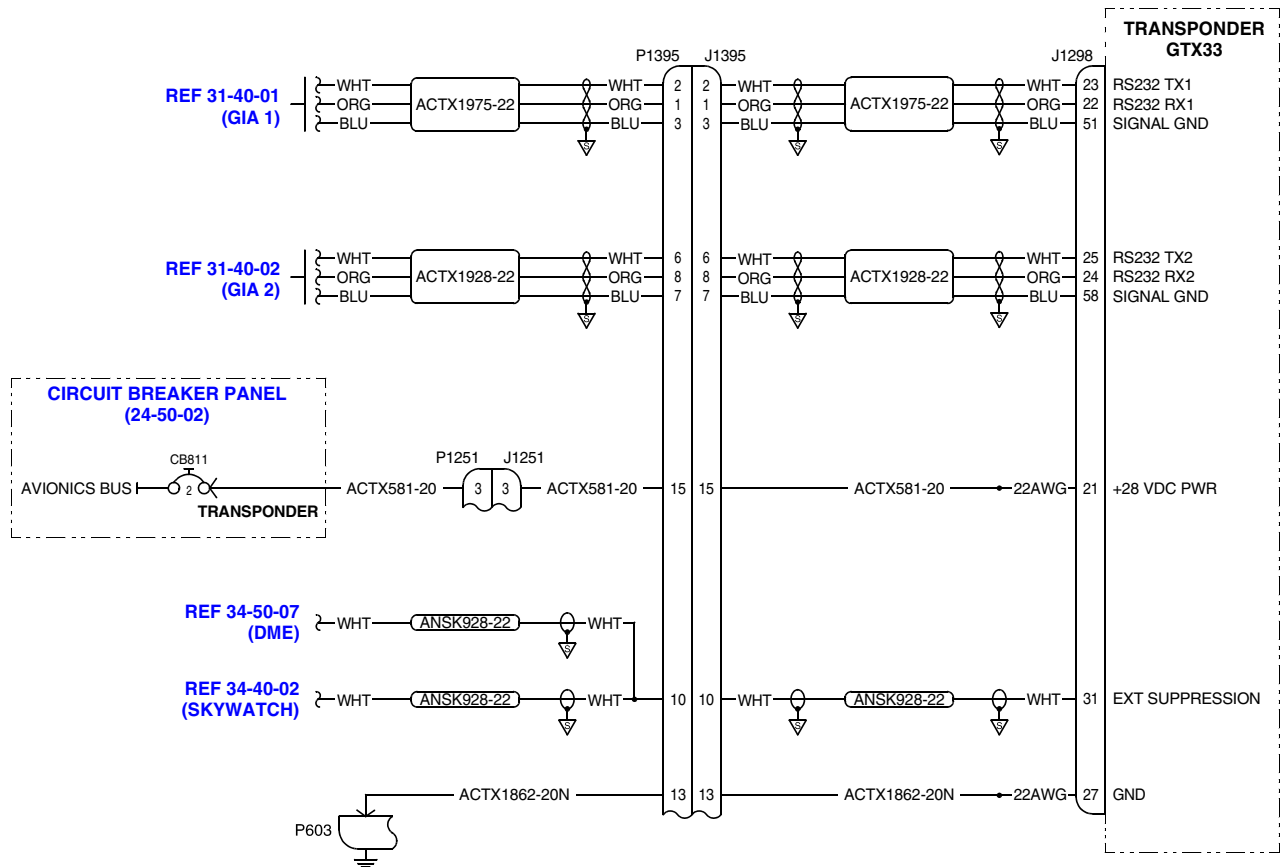


Figure-05

Mode S Transponder (GTX 330) - Serials 1359 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1359 & subs w/o Perspective Avionics



NOTES

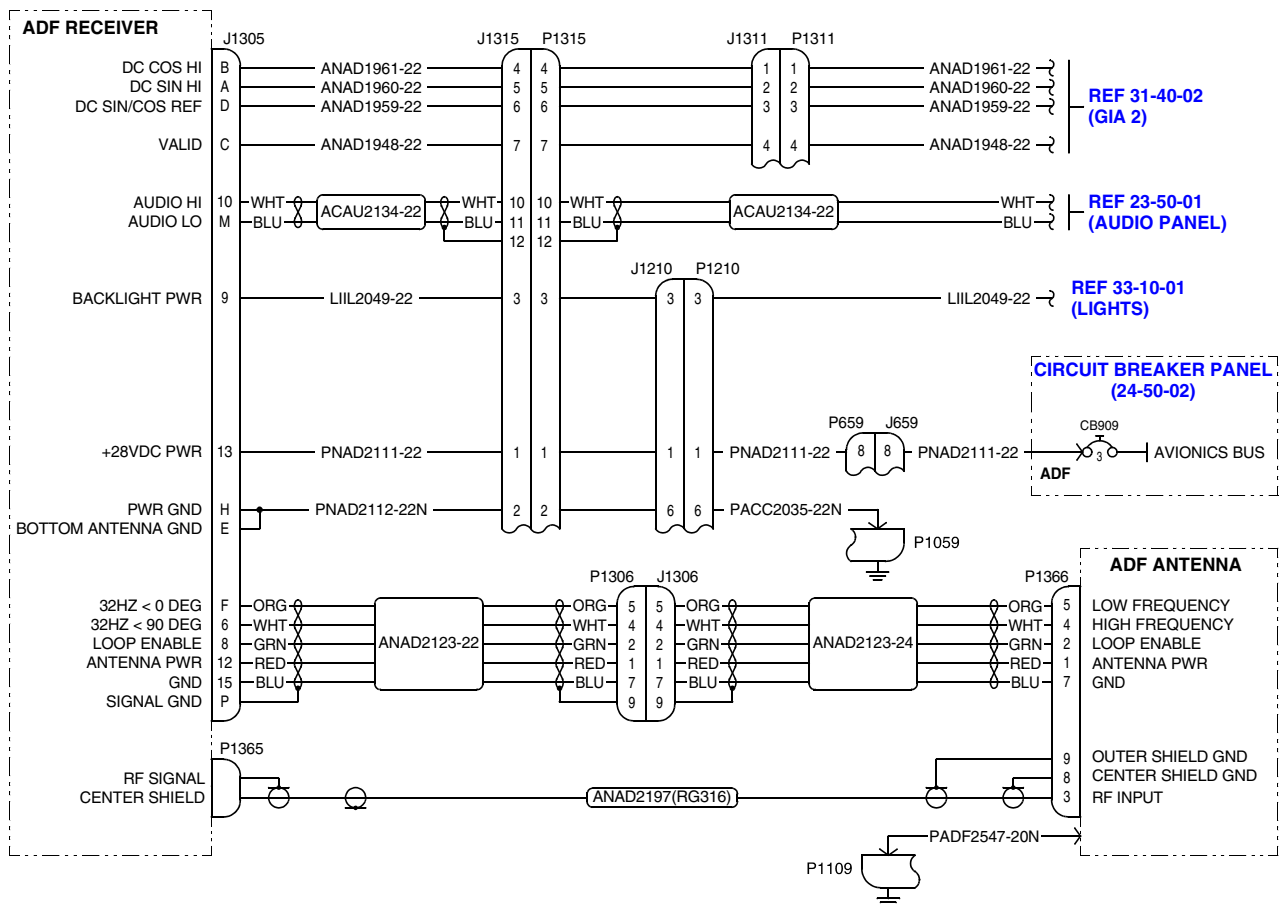
Refer to 91-10-00 for connector and pin information.

WM24792_03

Figure-05
Mode S Transponder (GTX 33) - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

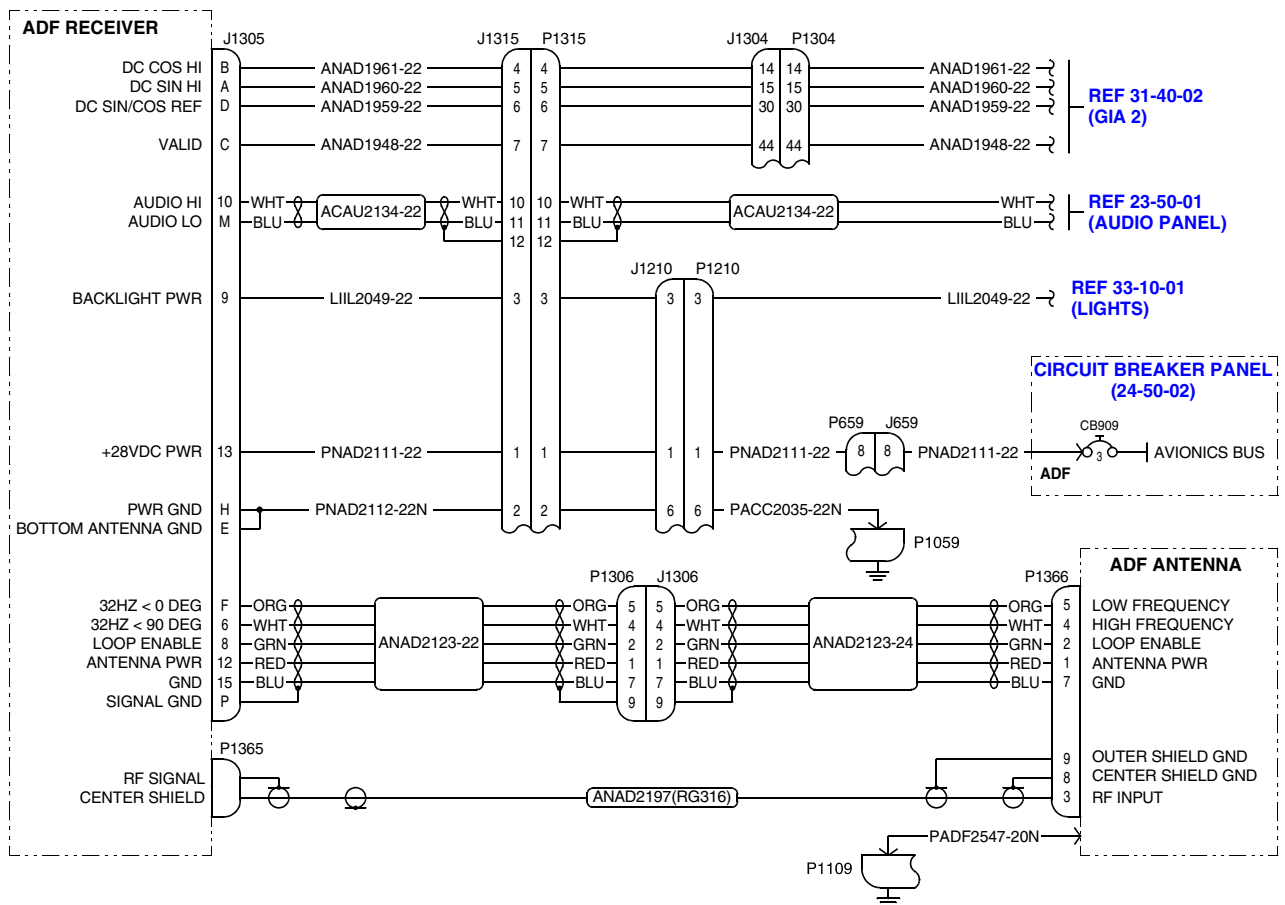
WM24500_07

Figure-06

Automatic Direction Finder (ADF) - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM24770_01

Figure-06

Automatic Direction Finder (ADF) - Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

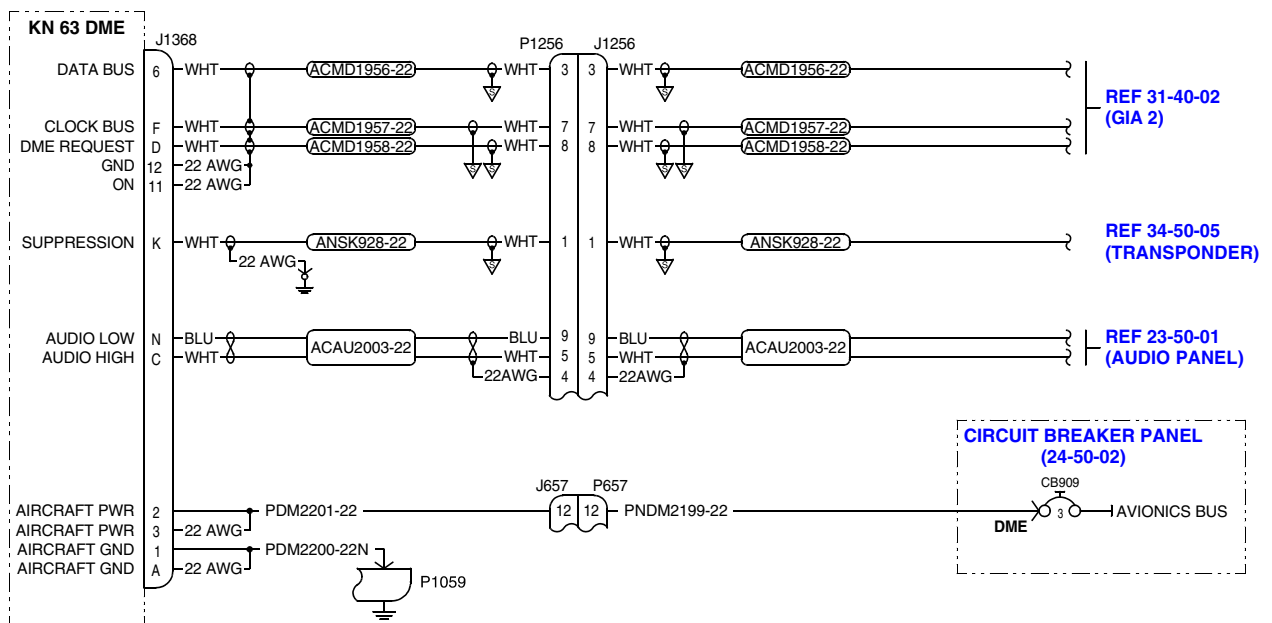
EFFECTIVITY:

Serials 2016 & subs w/ Sys 55 AP, w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

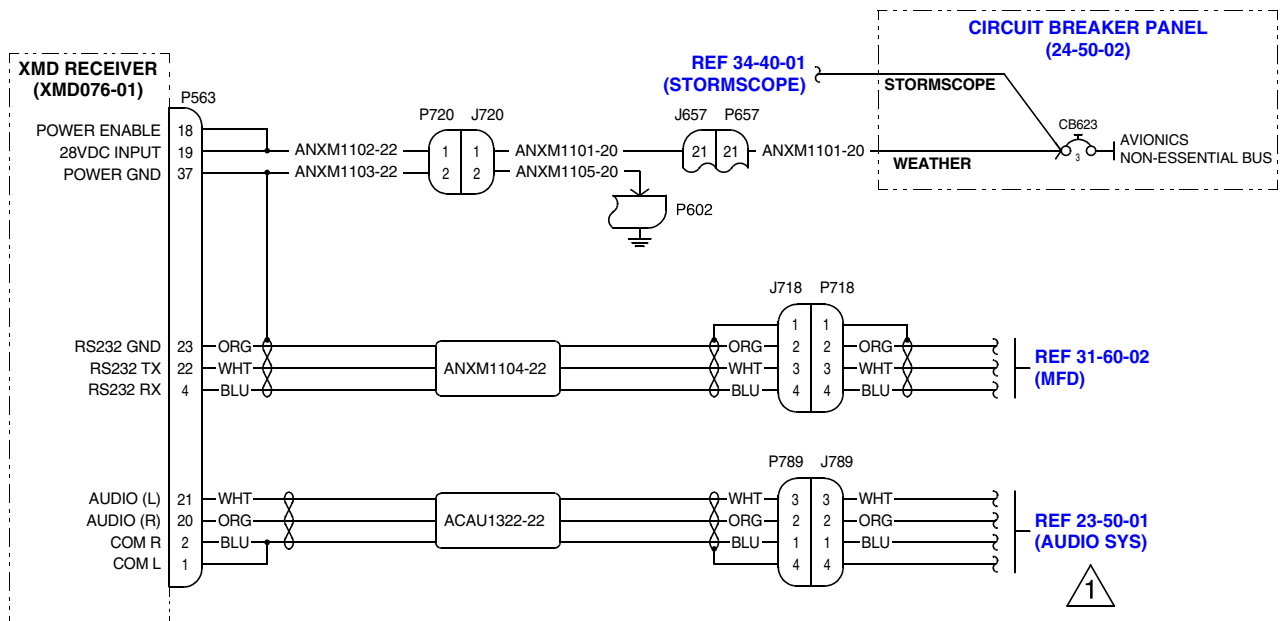
WM24560_01

Figure-07

Distance Measuring Equipment (DME) - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

Serials 1533 & subs.

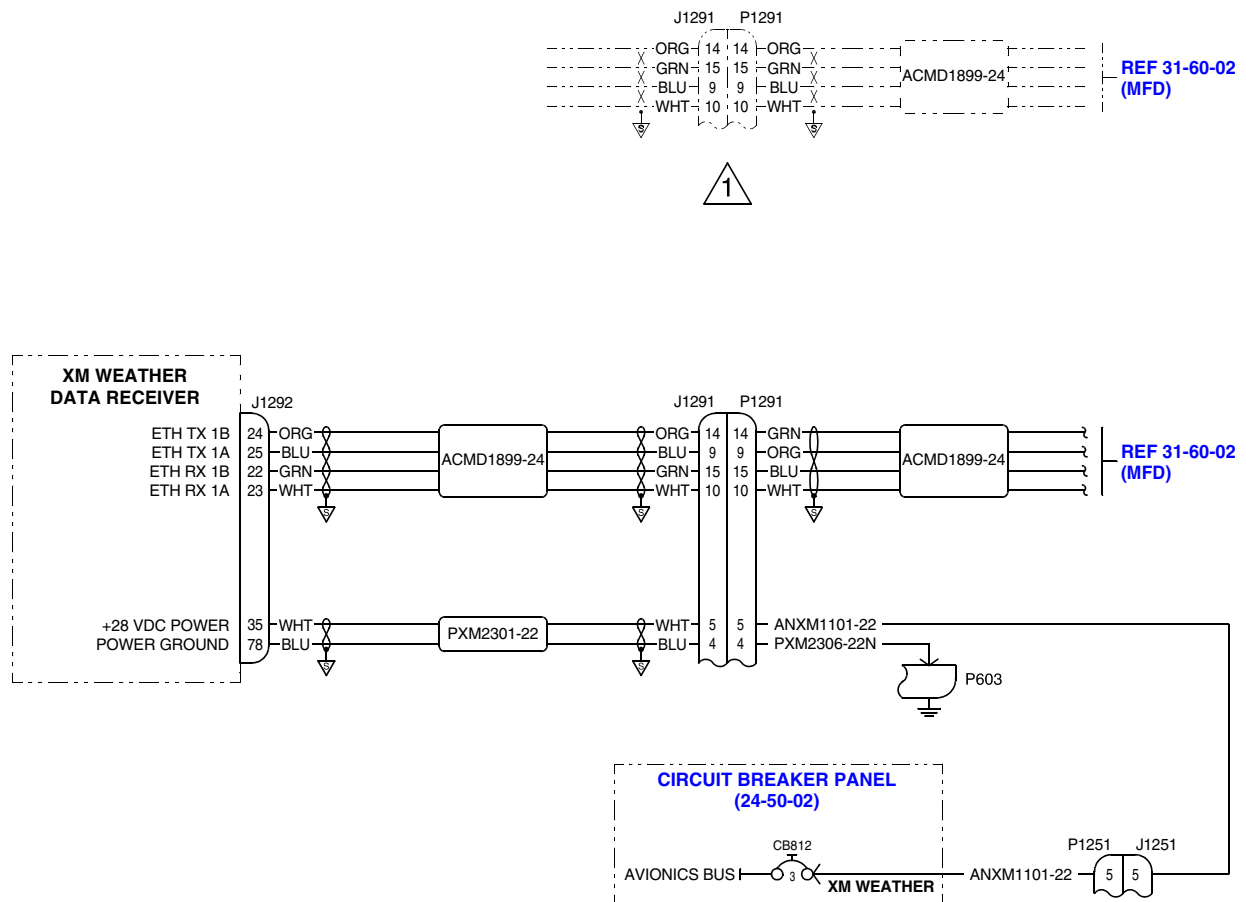
WM16136_02A

Figure-08

XM Radio/Weather - Serials 1456 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1456 & subs w/o Perspective Avionics

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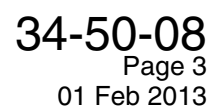


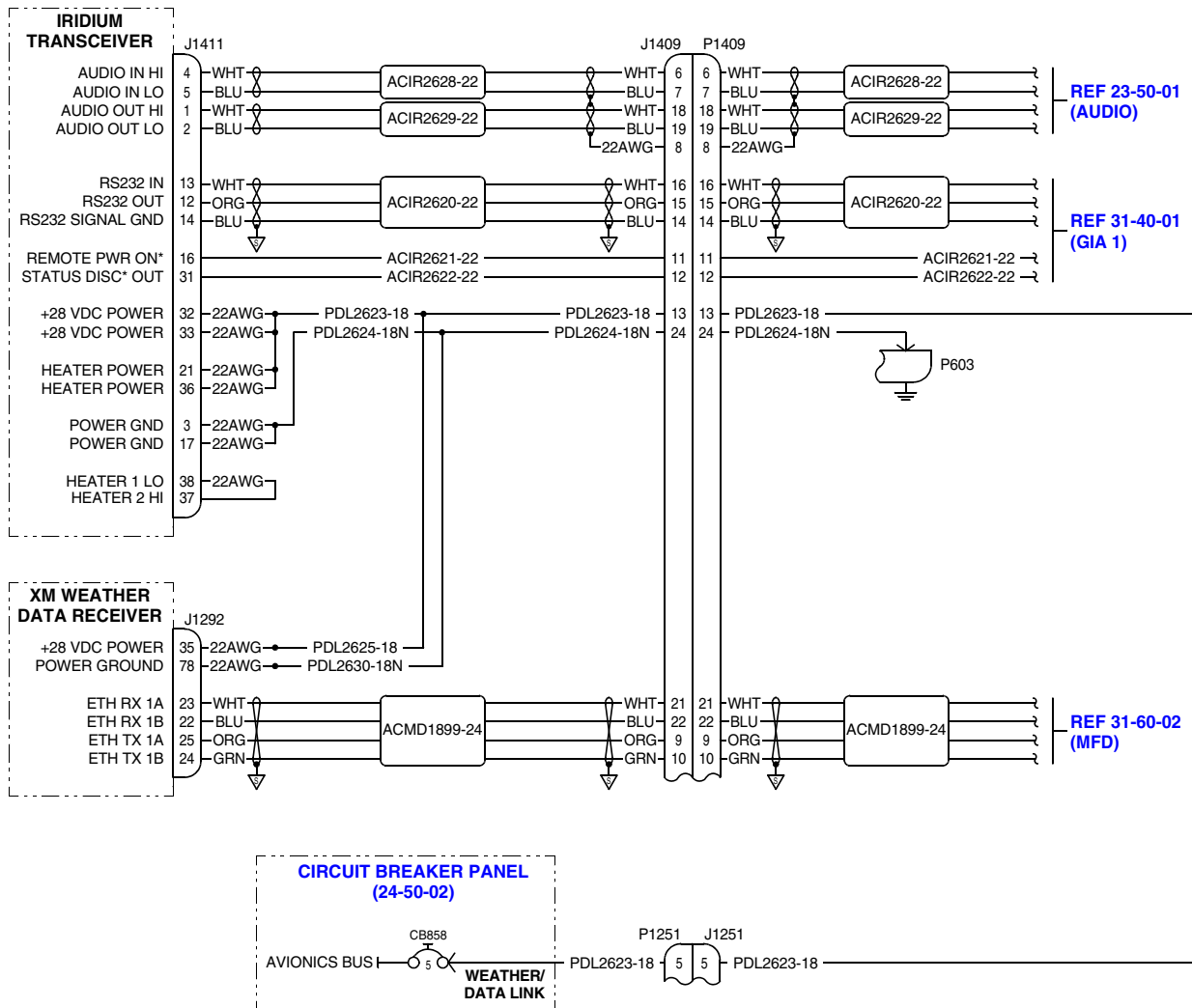
WM24590_01A

Figure-08

XM Radio/Weather - Serials 2016 thru 2126 w/o Audio, w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2126 w/o Audio, w/ Perspective Avionics





NOTES

Refer to 91-10-00 for connector and pin information.

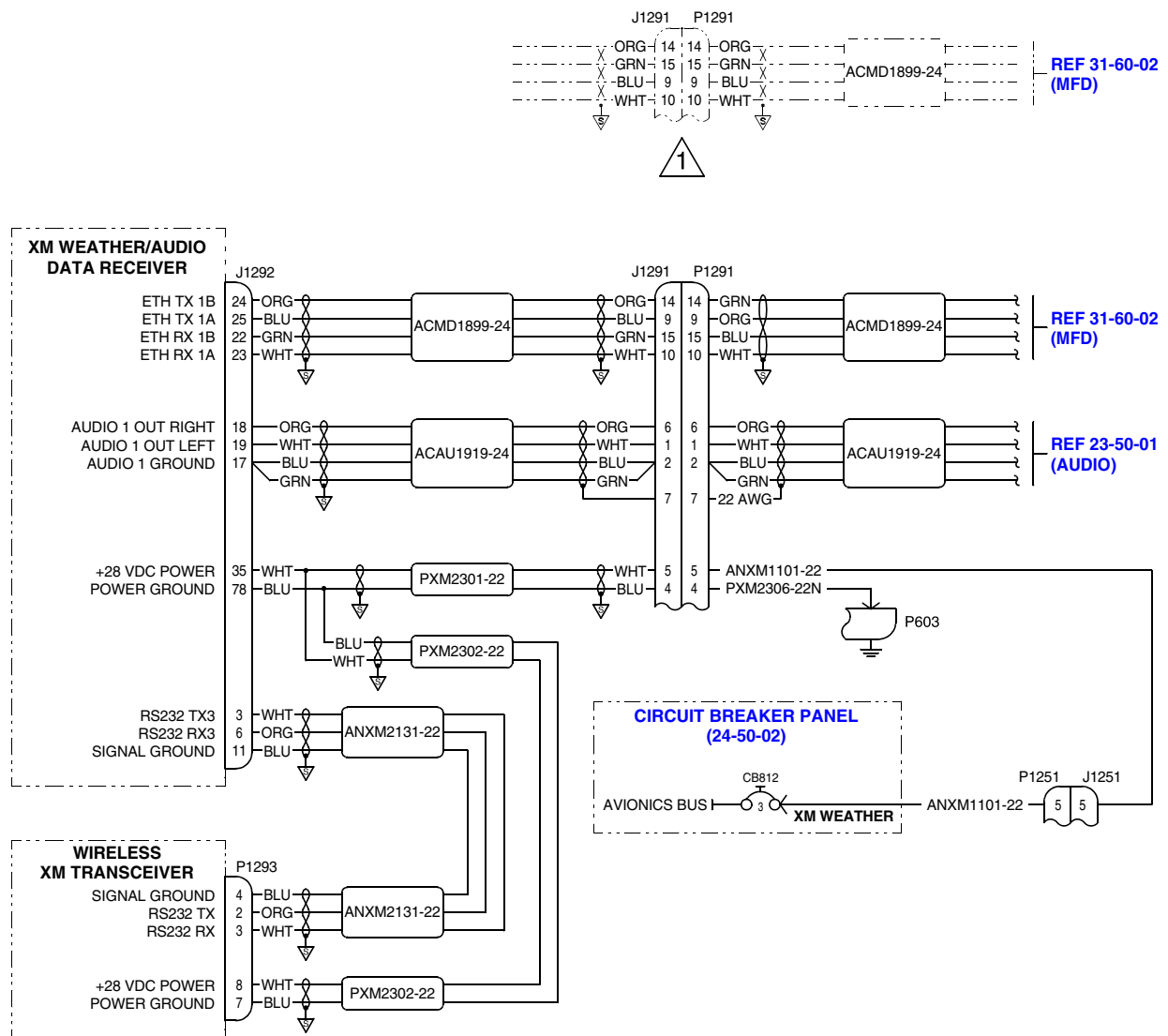
WM29299_04

Figure-08

XM Radio/Weather - Serials 2127 & subs w/o Audio, w/ Iridium, w/ Perspective Avionics

EFFECTIVITY:
Serials 2127 & subs w/o Audio, w/ Iridium, w/ Perspective Avionics

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Page 4
01 May 2012



NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2016 thru 2063.

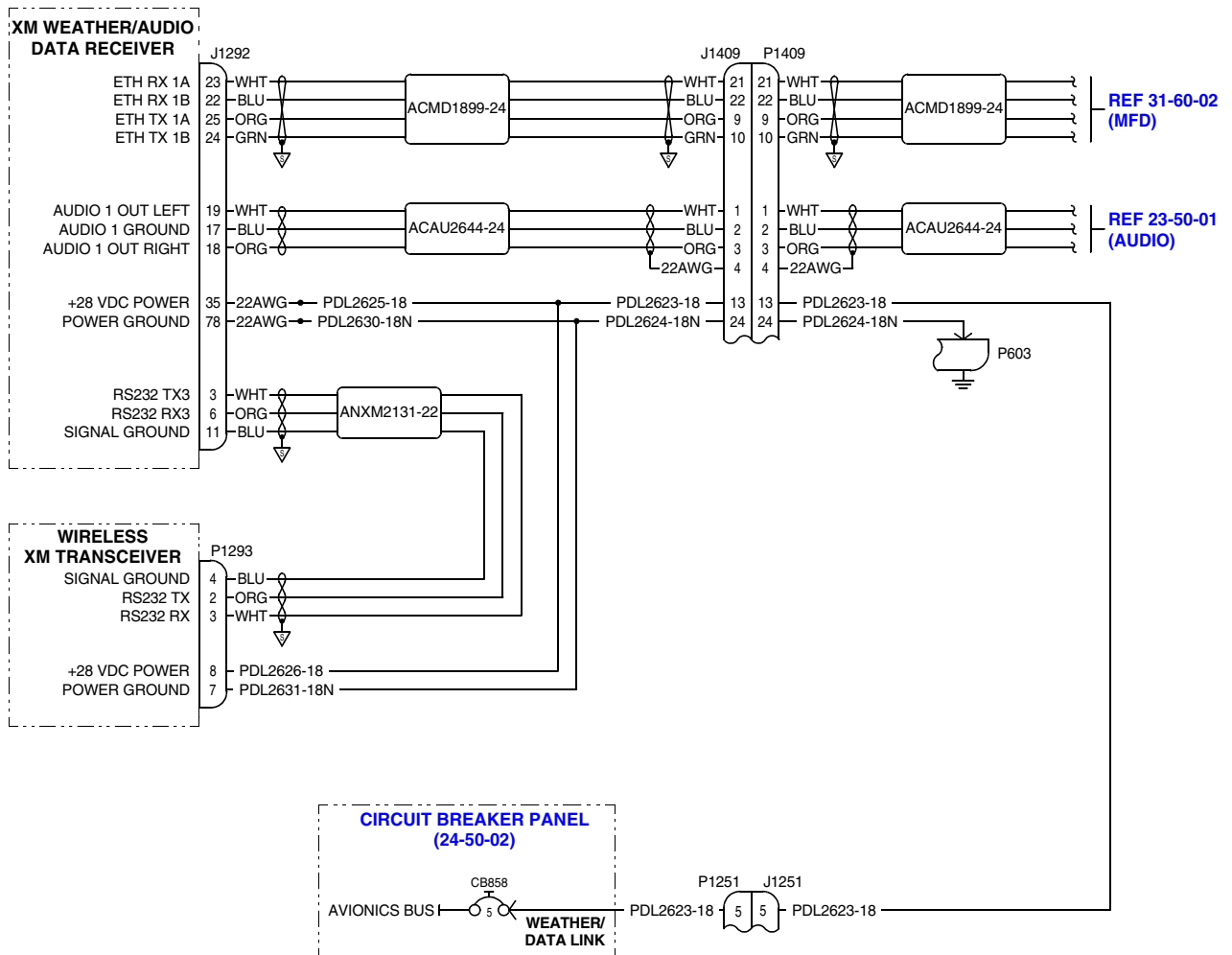
WM24590_03A

Figure-08

XM Radio/Weather - Serials 2016 thru 2126 w/ Audio, w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2126 w/ Audio, w/ Perspective Avionics

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01 May 2012



NOTES

Refer to 91-10-00 for connector and pin information.

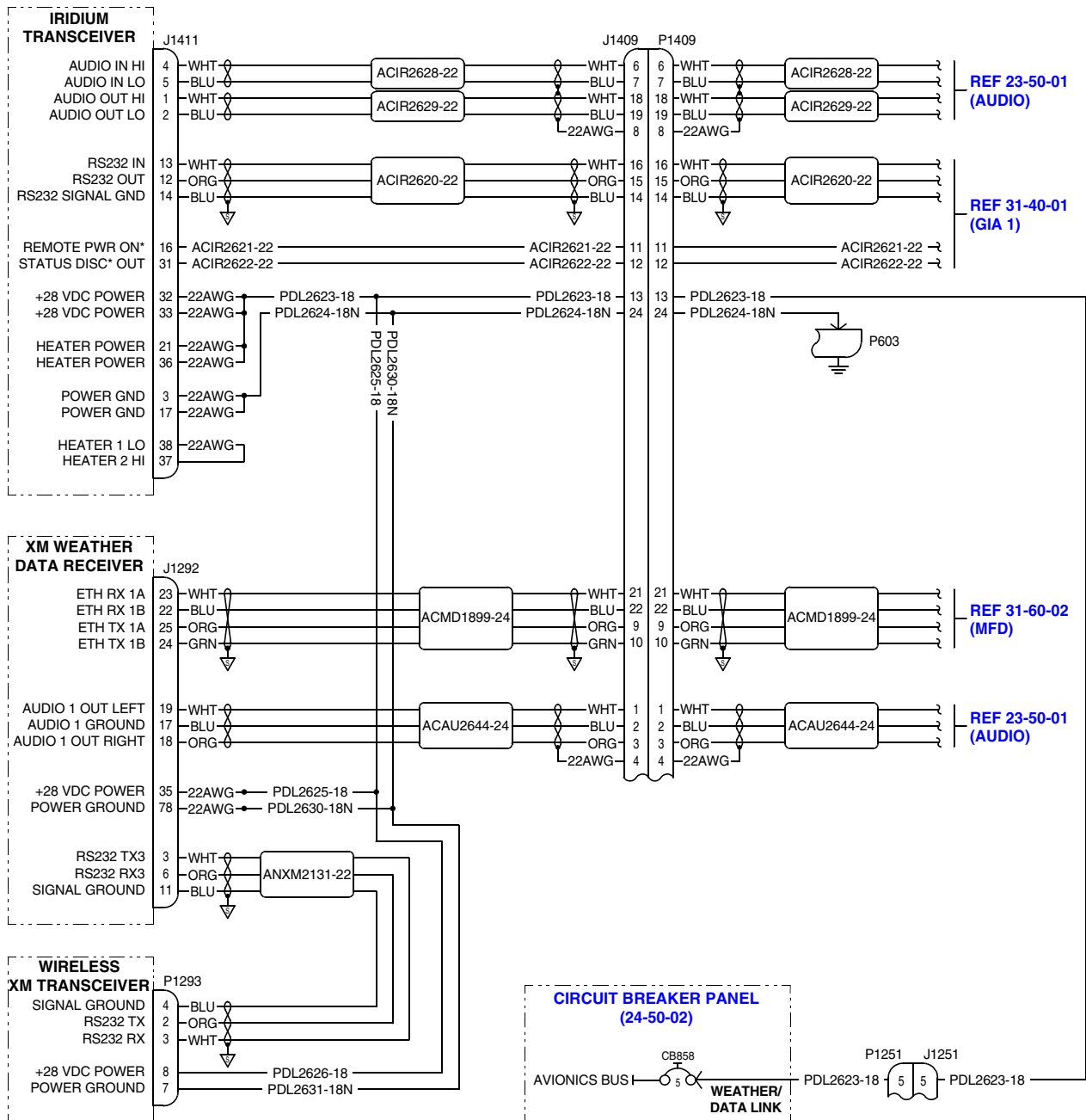
WM29299_02

Figure-08

XM Radio/Weather - Serials 2127 thru 2302 w/ Audio, w/ Perspective Avionics

EFFECTIVITY:
Serials 2127 thru 2302 w/ Audio, w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM29299_03

Figure-08

XM Radio/Weather - Serials 2127 thru 2302 w/ Audio, w/ Iridium, w/ Perspective Avionics

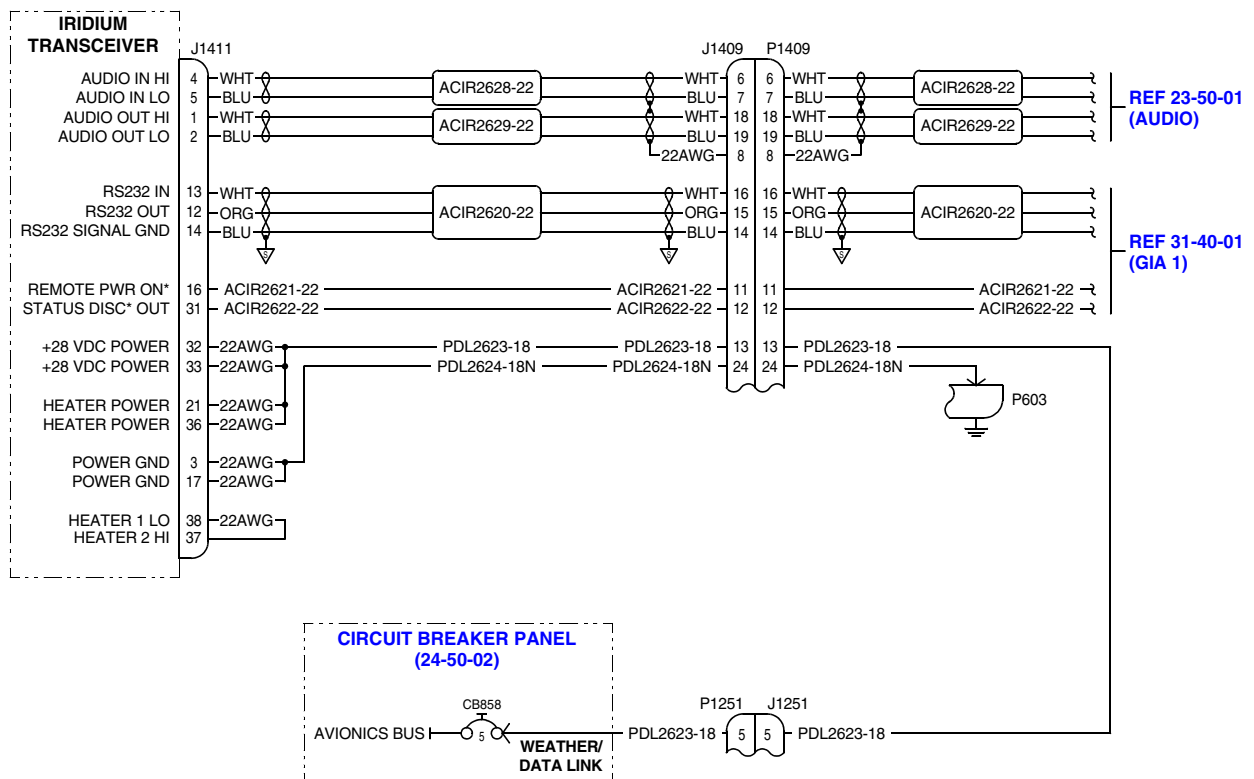
EFFECTIVITY:

Serials 2127 thru 2302 w/ Audio, w/ Iridium, w/ Perspective Avionics

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01 Jan 2016



NOTES

Refer to 91-10-00 for connector and pin information.

WM29299_05

Figure-08
Iridium Weather - Serials 2127 & subs, w/ Perspective Avionics

EFFECTIVITY:
Serials 2127 & subs, w/ Perspective Avionics

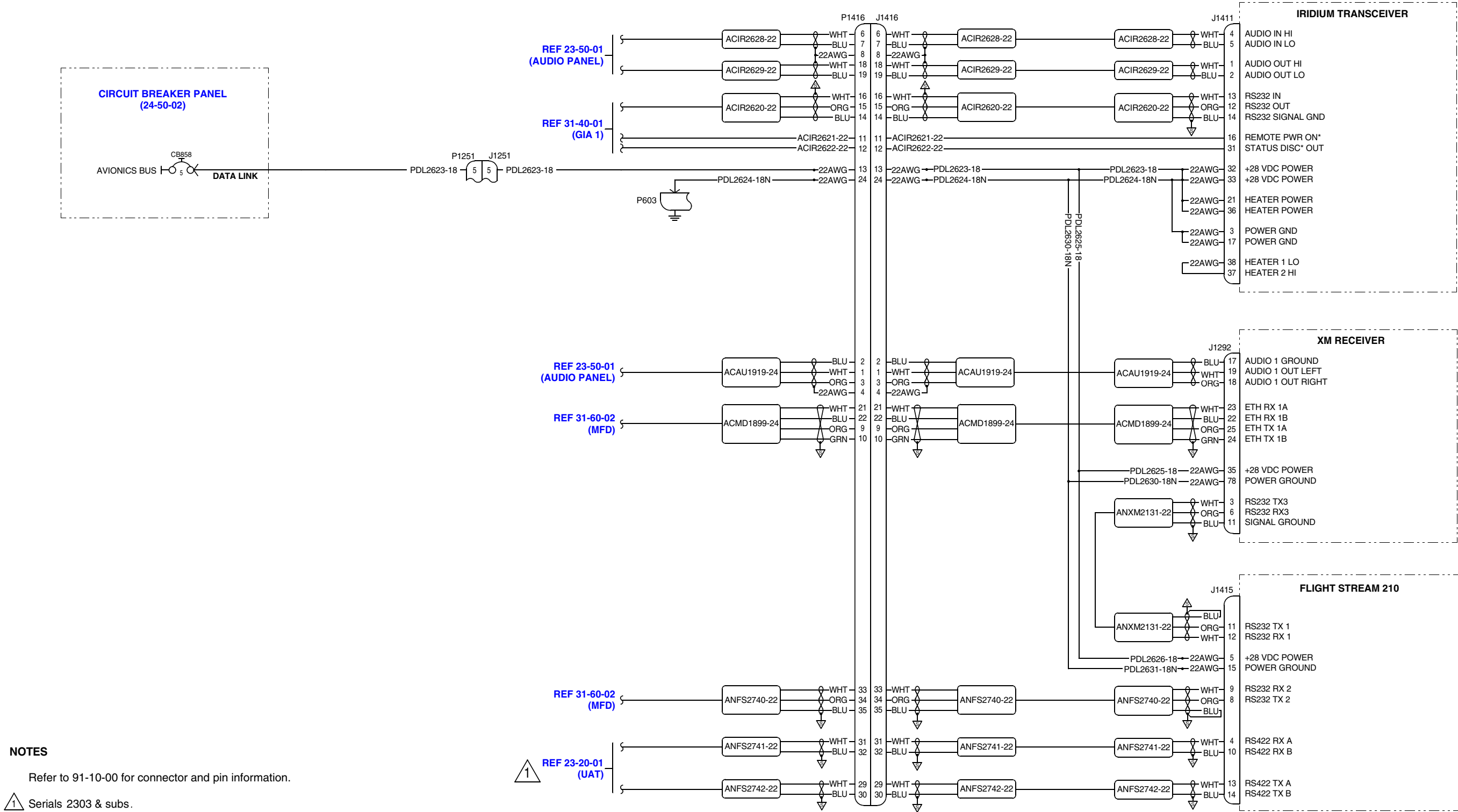
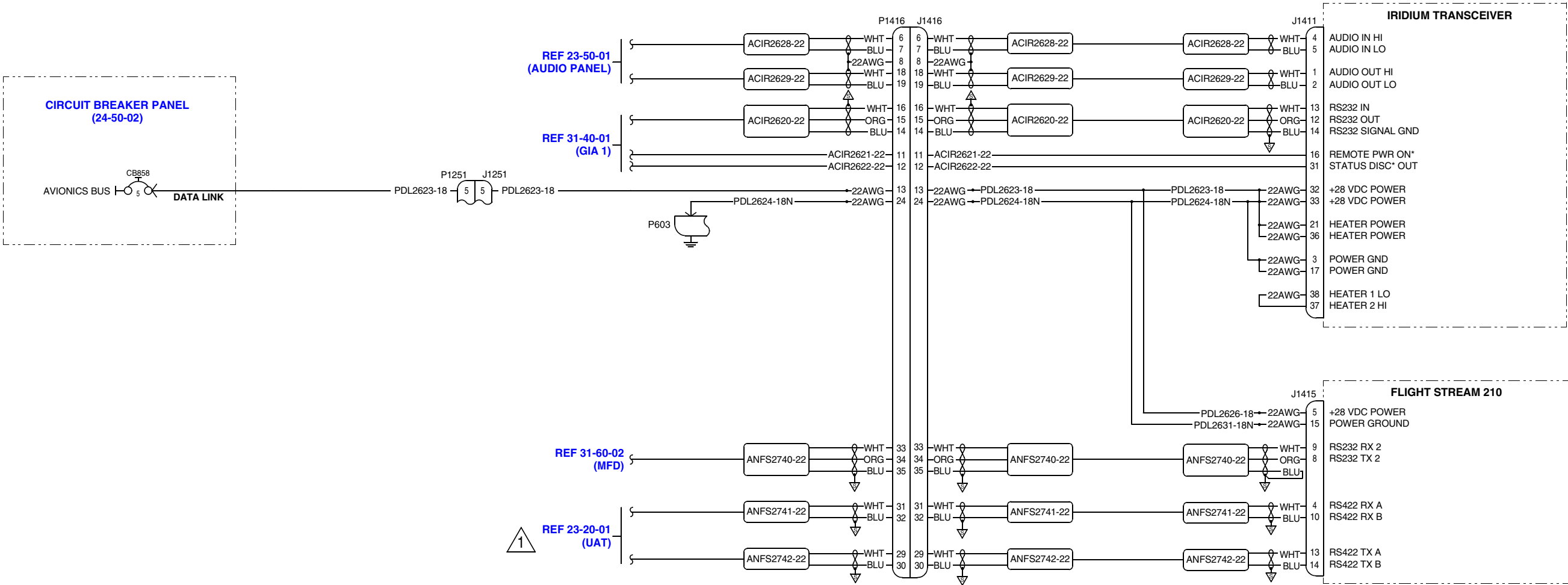


Figure-08
Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ Iridium, w/ XM Receiver



NOTES

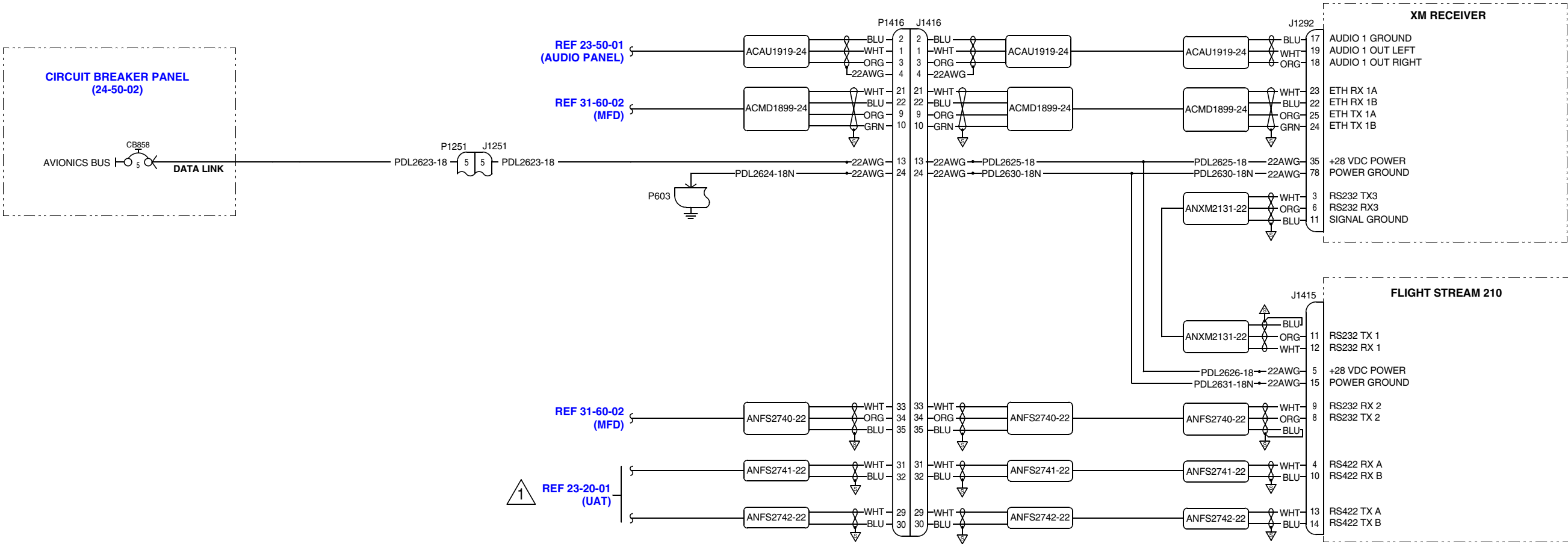
Refer to 91-10-00 for connector and pin information.

1 Serials 2303 & subs.

Figure-08

Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ Iridium, w/o XM Receiver

EFFECTIVITY:
Serials 2303 & subs w/ Iridium, w/o XM Receiver



NOTES

Refer to 91-10-00 for connector and pin information.

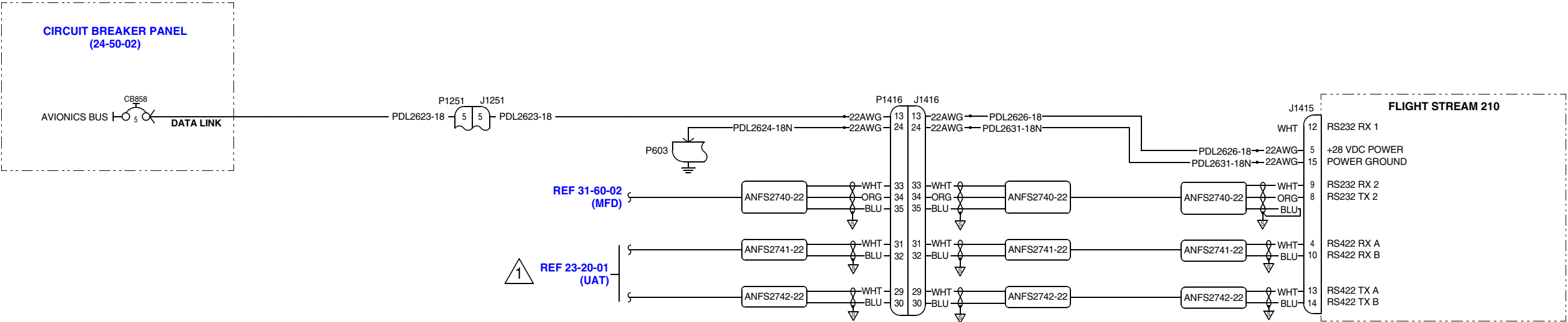
1 Serials 2303 & subs.

Figure-08

Wireless Cockpit Transceiver FS210 - Serials 2303 & subs w/ XM Receiver, w/o Iridium

EFFECTIVITY:
Serials 2303 & subs w/ XM Receiver, w/o Iridium

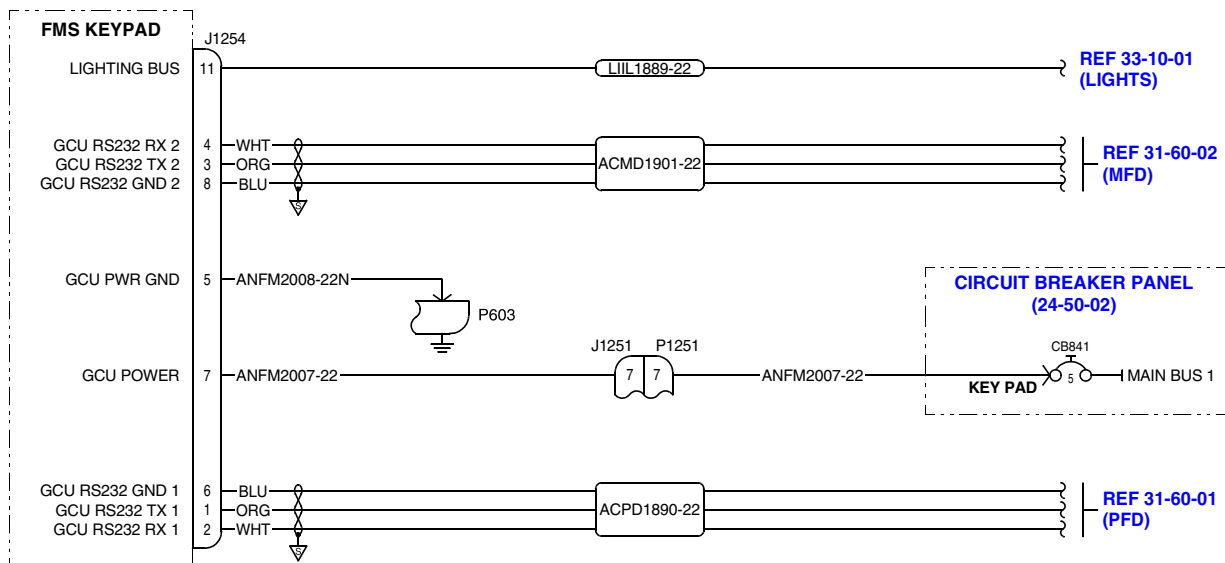
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NOTES

Refer to 91-10-00 for connector and pin information.

1 Serials 2303 & subs.



NOTES

Refer to 91-10-00 for connector and pin information.

WM24570_05

Figure-01
FMS Key Pad - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

CHAPTER

37

VACUUM

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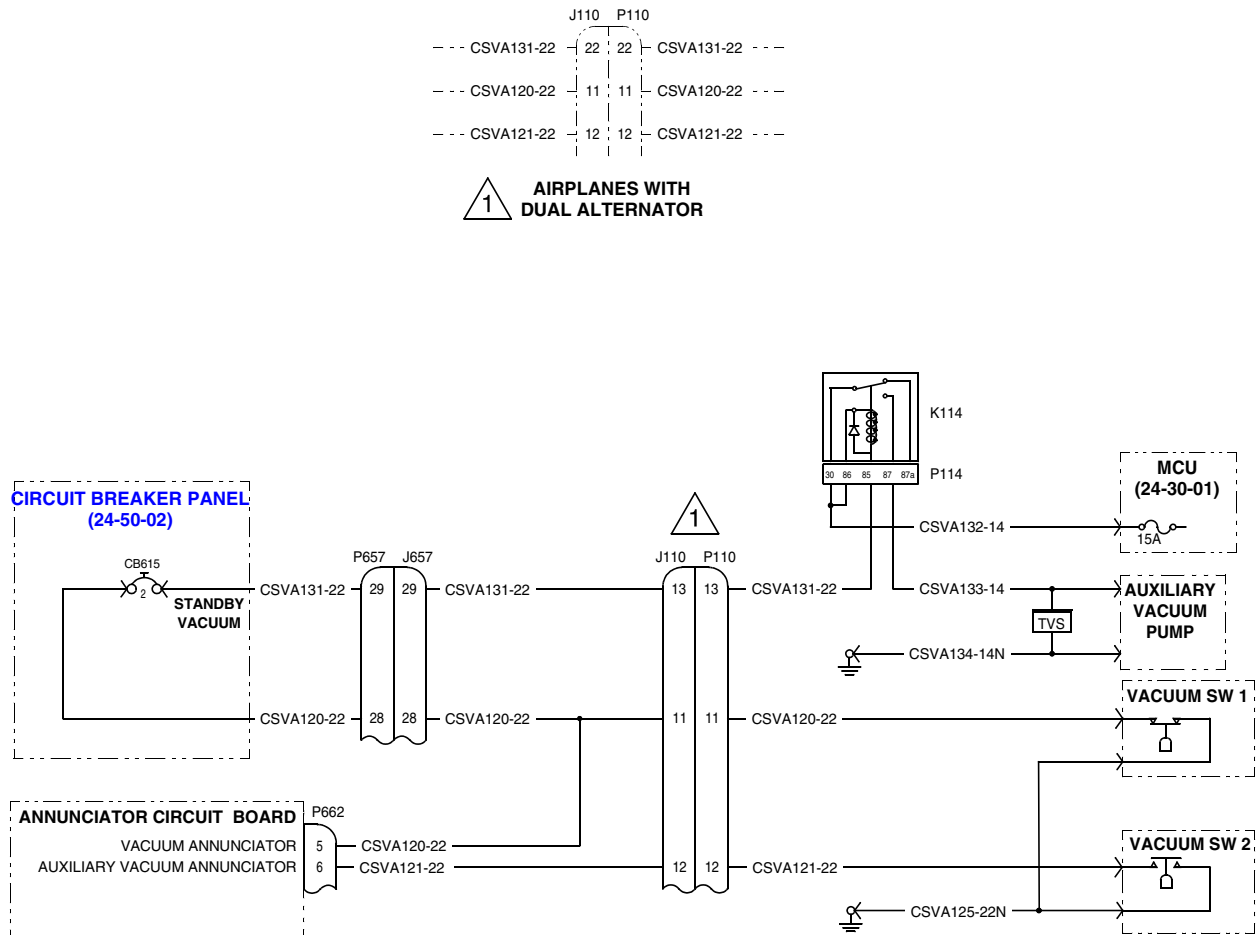
Vacuum System - Serials 1005 thru 1267

Chap-Sect-Fig

37-10-01

EFFECTIVITY:
All

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NOTES

Refer to 91-10-00 for connector and pin information.

1 Airplanes with dual alternator only.

WM12991_01

Figure-01
Vacuum System - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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CHAPTER

74

IGNITION

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CHAPTER 74 - IGNITION

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74-00-01	3	19 SEP 2010

EFFECTIVITY:
All

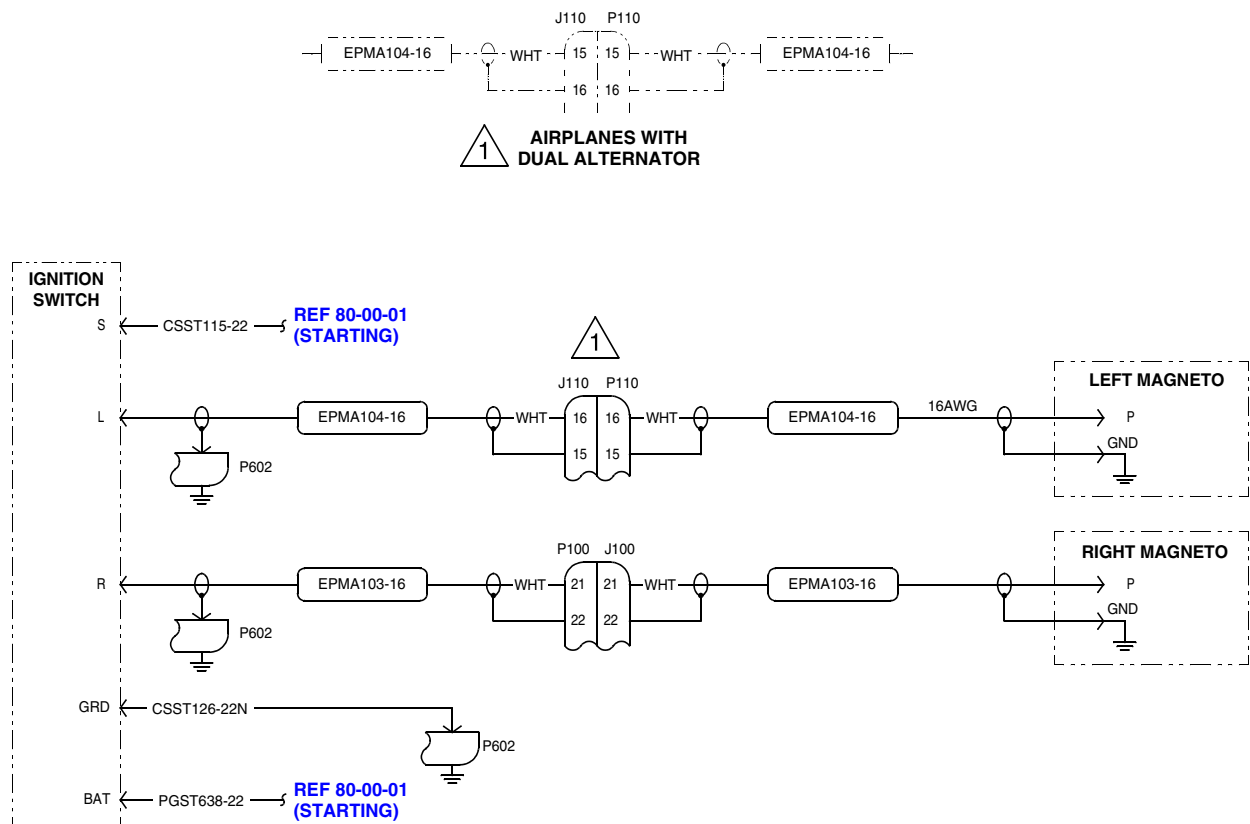
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Engine Ignition System - Serials 2016 & subs w/ Perspective Avionics	74-00-01

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NOTES

Refer to 91-10-00 for connector and pin information.

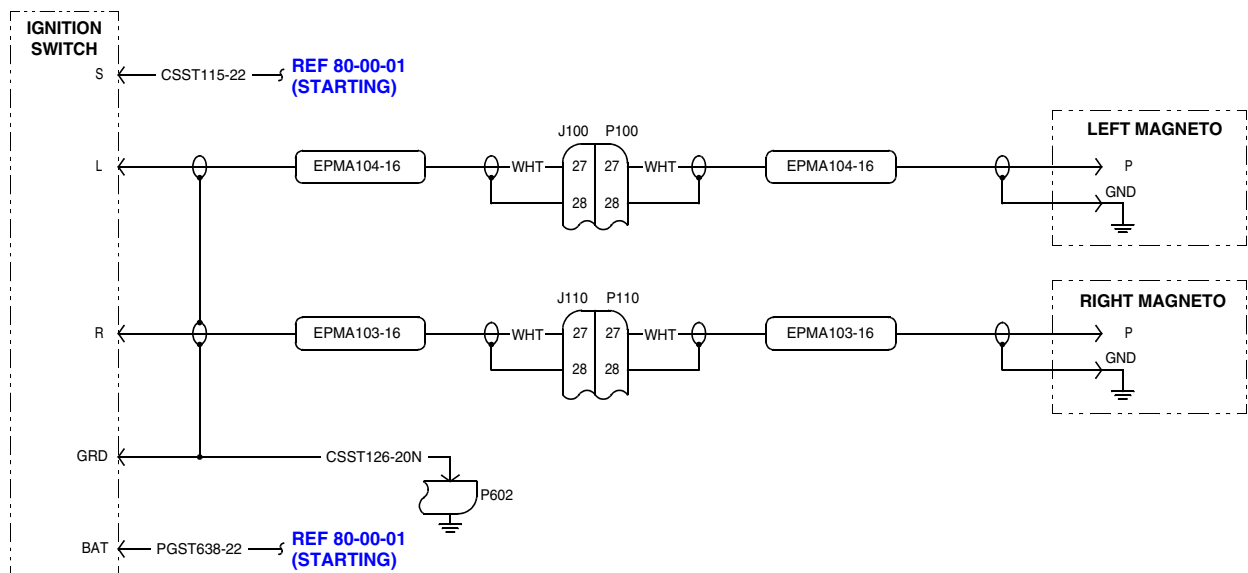
1 Airplanes with dual alternator only.

WM11713_01

Figure-01
Engine Ignition System - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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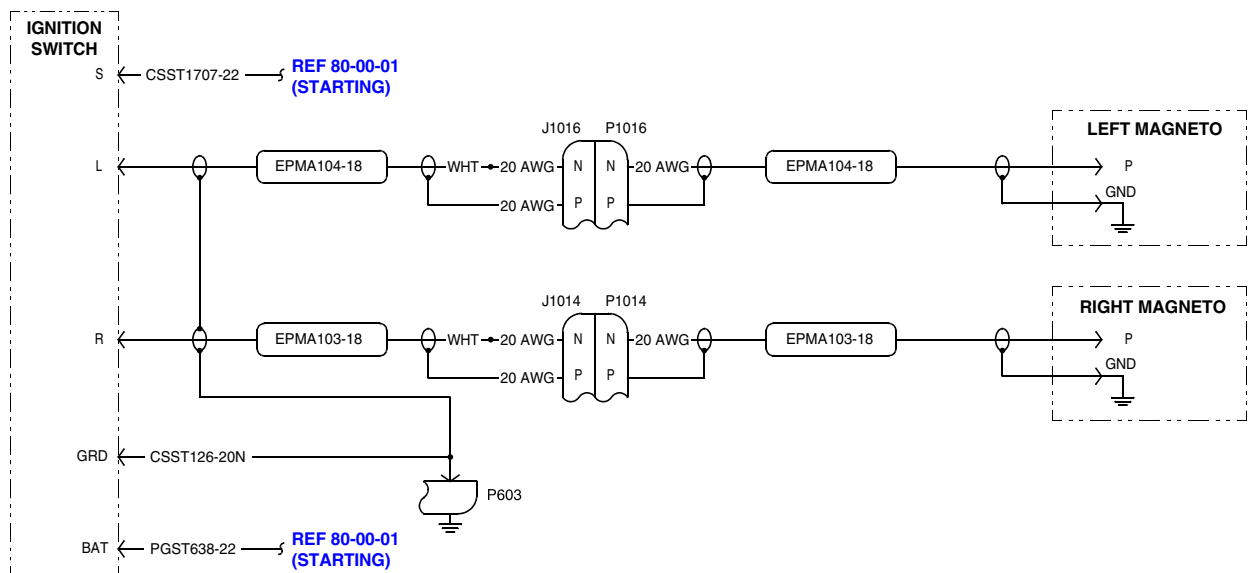
Refer to 91-10-00 for connector and pin information.

WM15394_10

Figure-01
Engine Ignition System - Serials 1268 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1268 & subs w/o Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM24630_05

Figure-01
Engine Ignition System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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**ENGINE
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Engine Indicating - Serials 2086 & subs w/ Configuration "S" (USAFA)	77-00-01
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Engine Analyzer (GEA) - Serials 2016 thru 2155 w/ Perspective Avionics (2 of 2)	77-40-01
Engine Analyzer (GEA) - Serials 2156 & subs w/ Perspective Avionics (1 of 2)	77-40-01
Engine Analyzer (GEA) - Serials 2156 & subs w/ Perspective Avionics (2 of 2)	77-40-01

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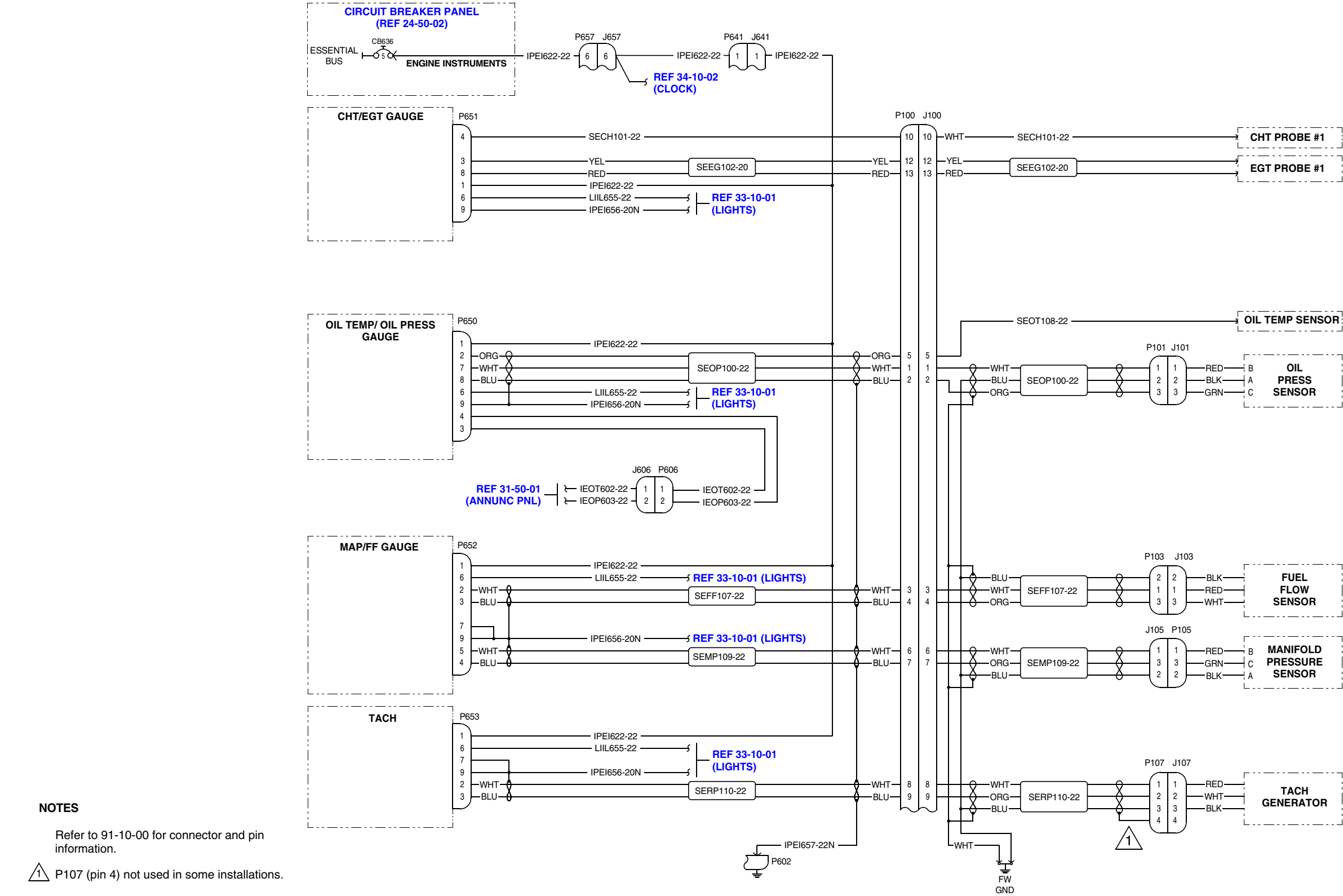
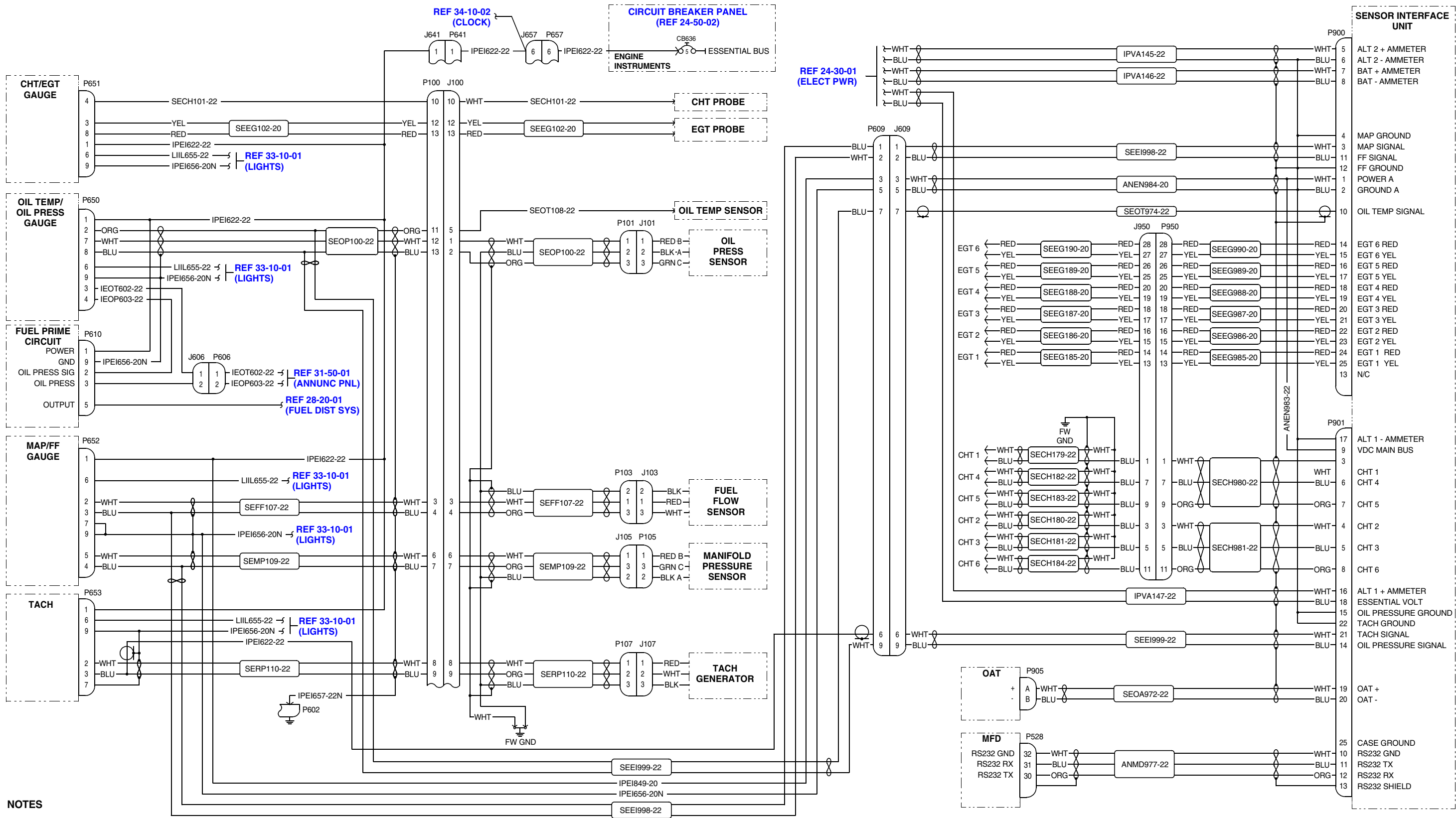


Figure-01
Engine Indicating - Serials 1005 thru 1227



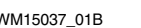
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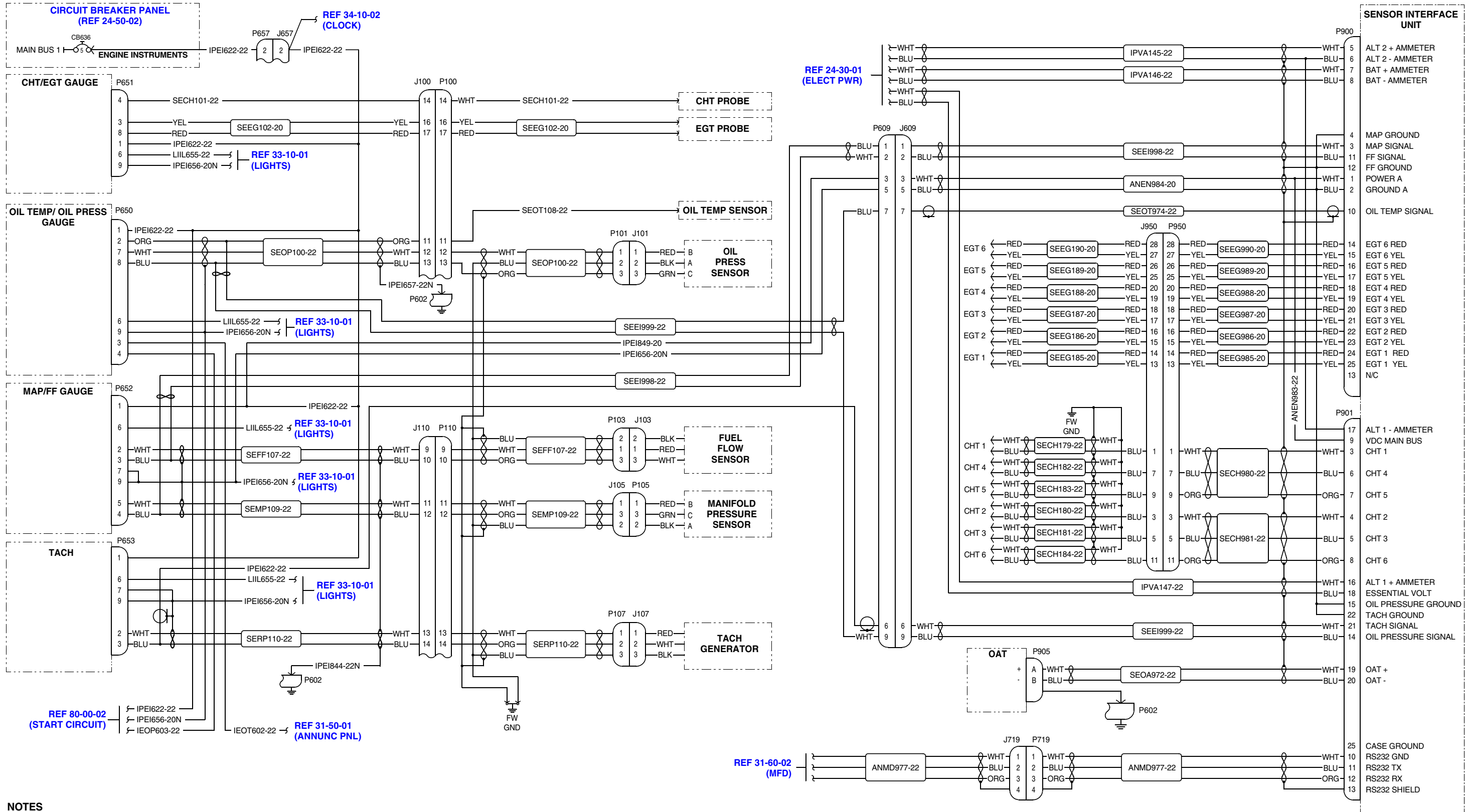
Refer to 91-10-00 for connector and pin information.

Figure-01
Engine Indicating - Serials 1228 thru 1267

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Serials 1228 thru 1267

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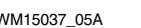


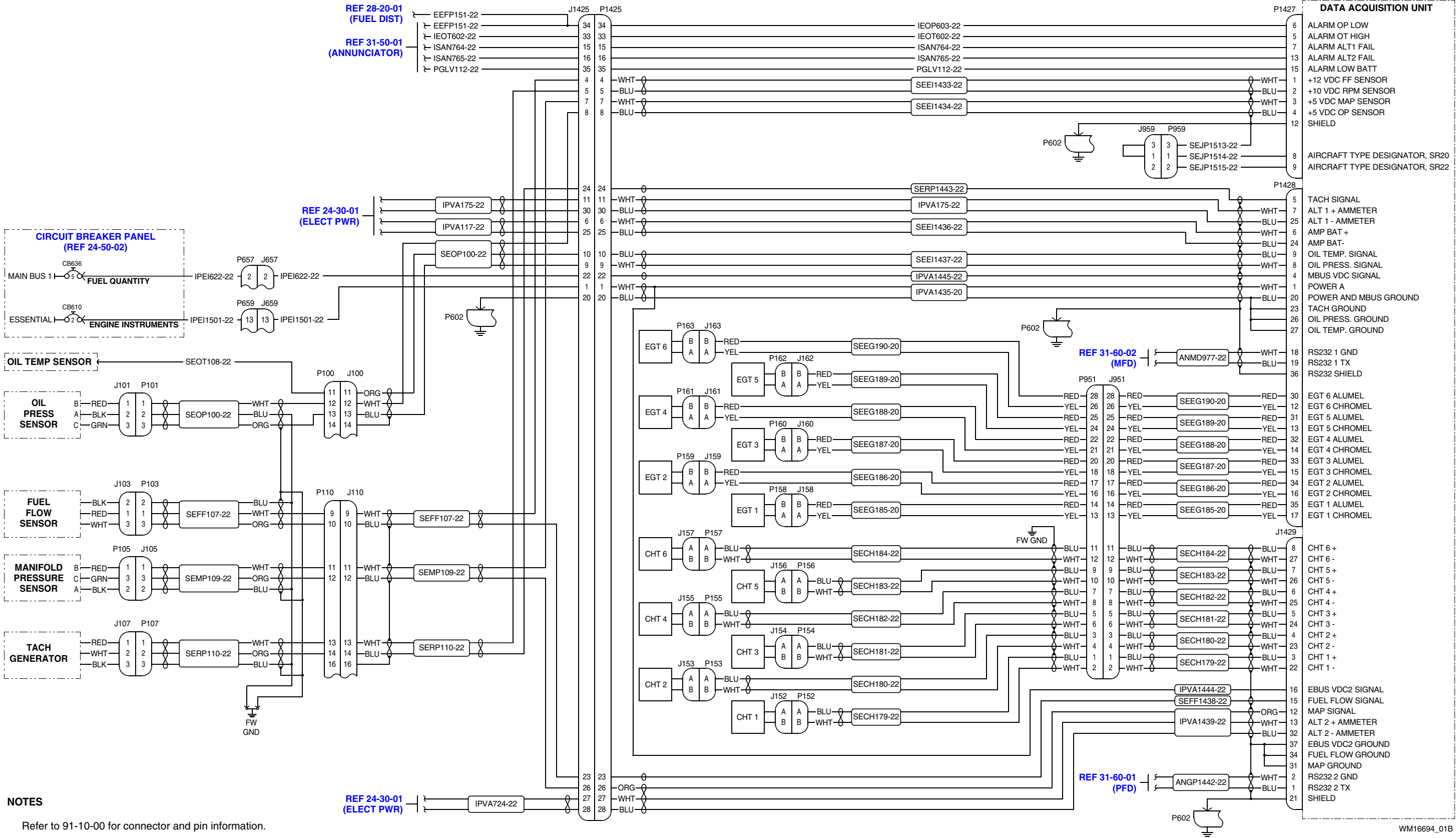
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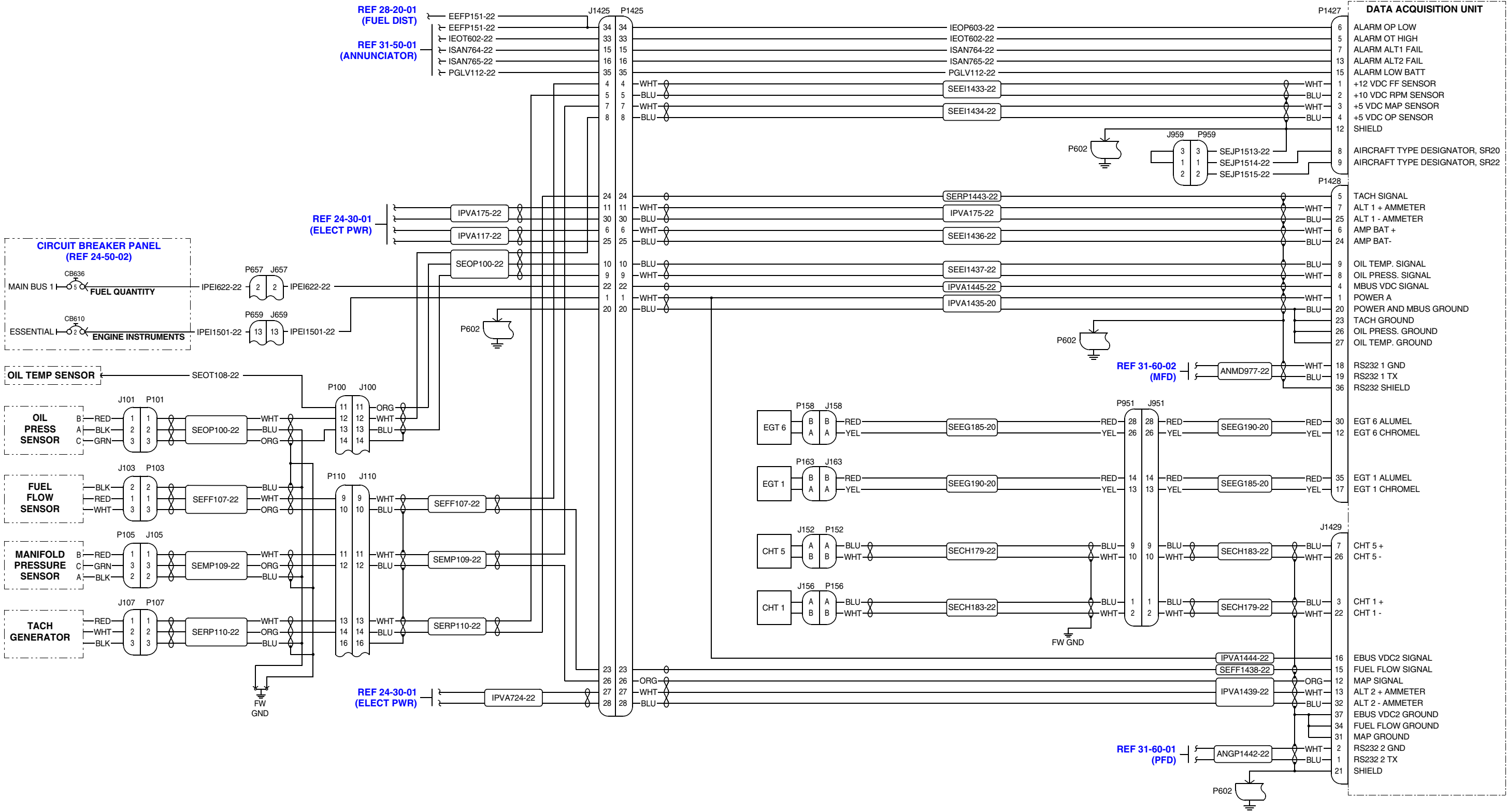
Refer to 91-10-00 for connector and pin information.

Figure-01
Engine Indicating - Serials 1456 thru 1532

EFFECTIVITY:
Serials 1456 thru 1532





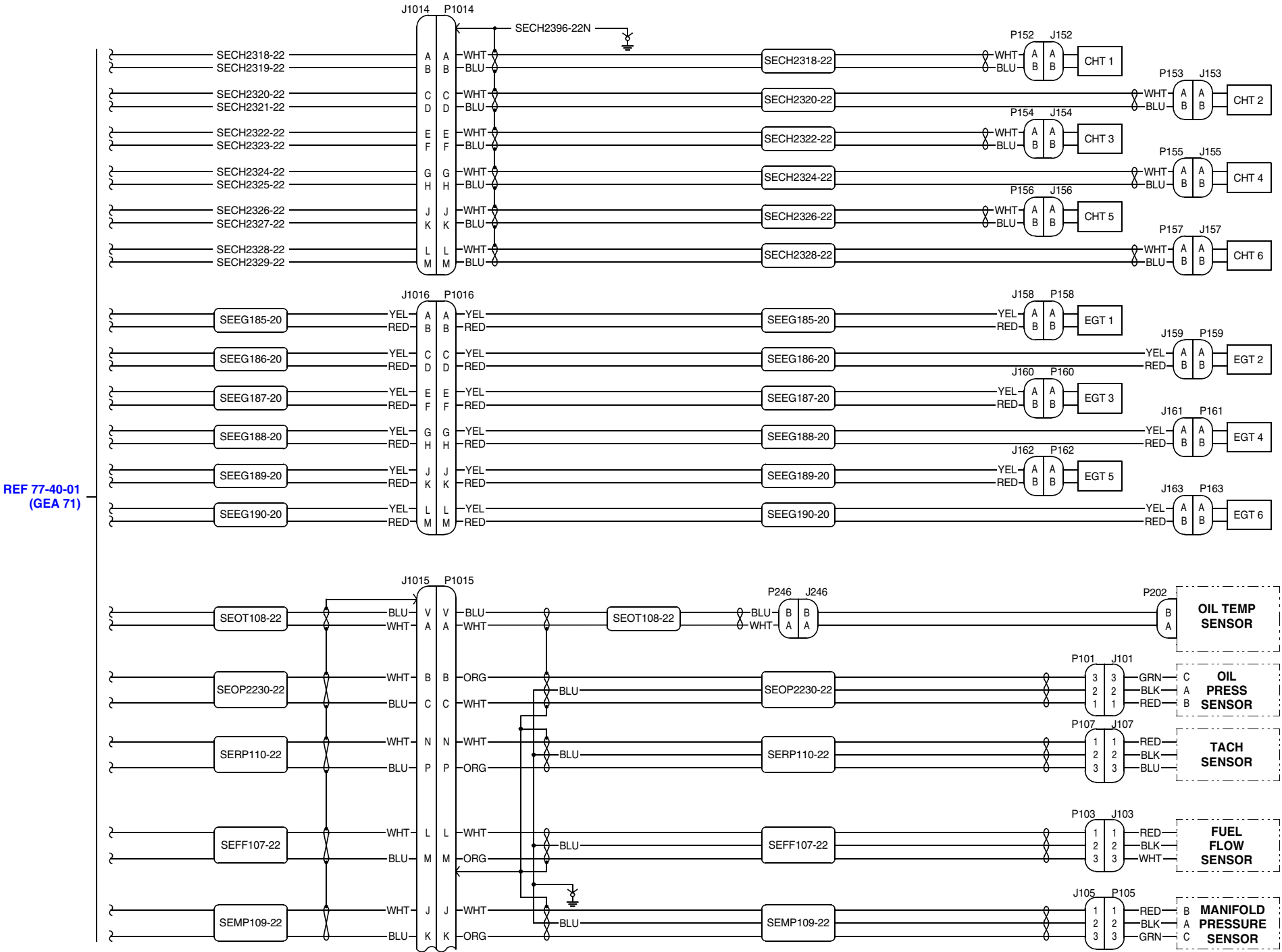


NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Engine Indicating - Serials 1652 & subs w/o EMax, w/o Perspective Avionics

EFFECTIVITY:
Serials 1652 & subs w/o EMax, w/o Perspective Avionics

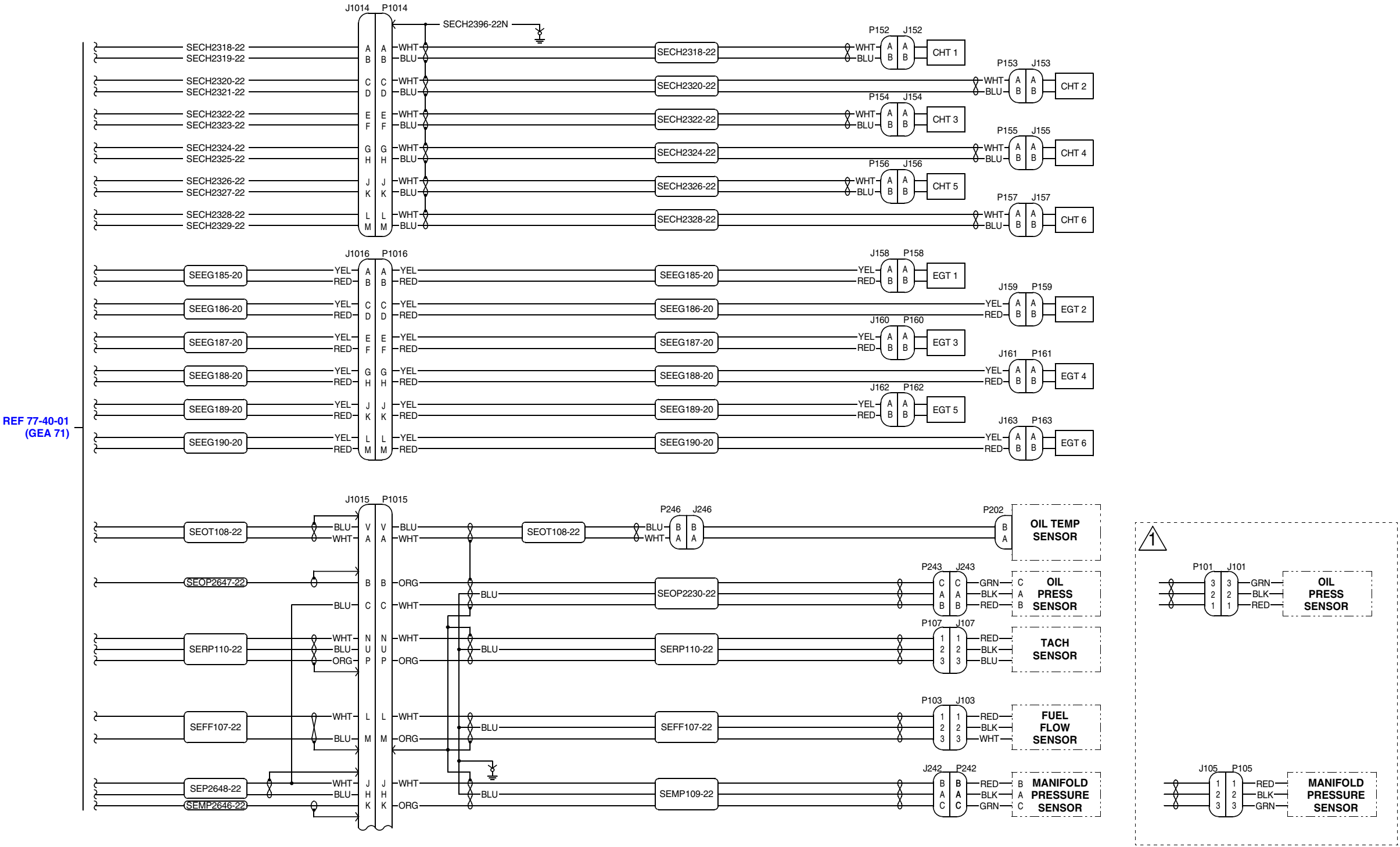


NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01
Engine Indicating - Serials 2016 thru 2155 w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics



NOTES

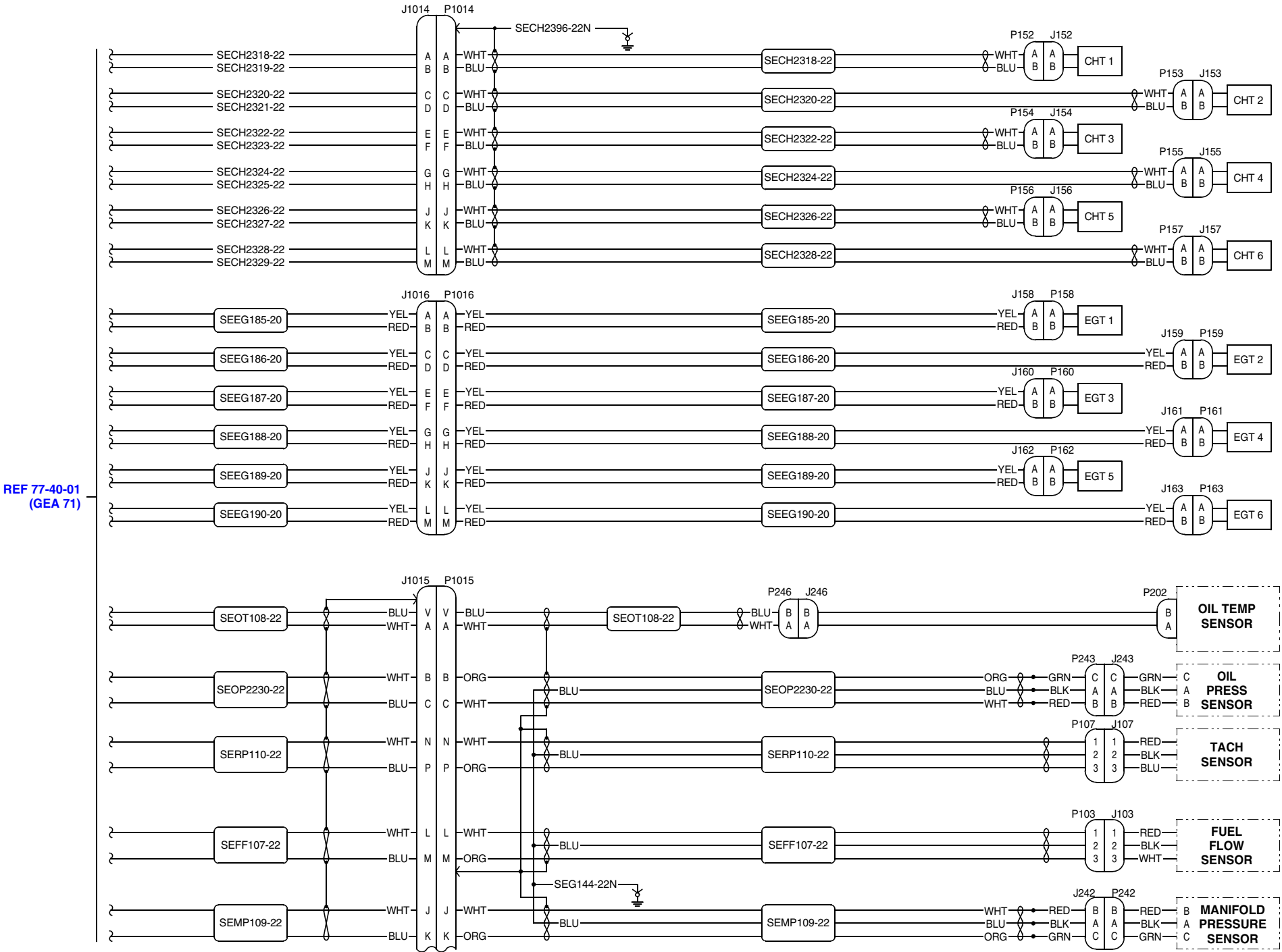
Refer to 91-10-00 for connector and pin information.

Serials 2156 thru 2273 w/ Perspective Avionics.

Figure-01

Engine Indicating - Serials 2156 & subs w/ Perspective

EFFECTIVITY:
Serials 2156 & subs w/ Perspective



NOTES

Refer to 91-10-00 for connector and pin information.

Figure-01

Engine Indicating - Serials 2086 & subs w/ Configuration "S" (USAFA)

EFFECTIVITY:
Serials 2086 & subs w/ Configuration "S"

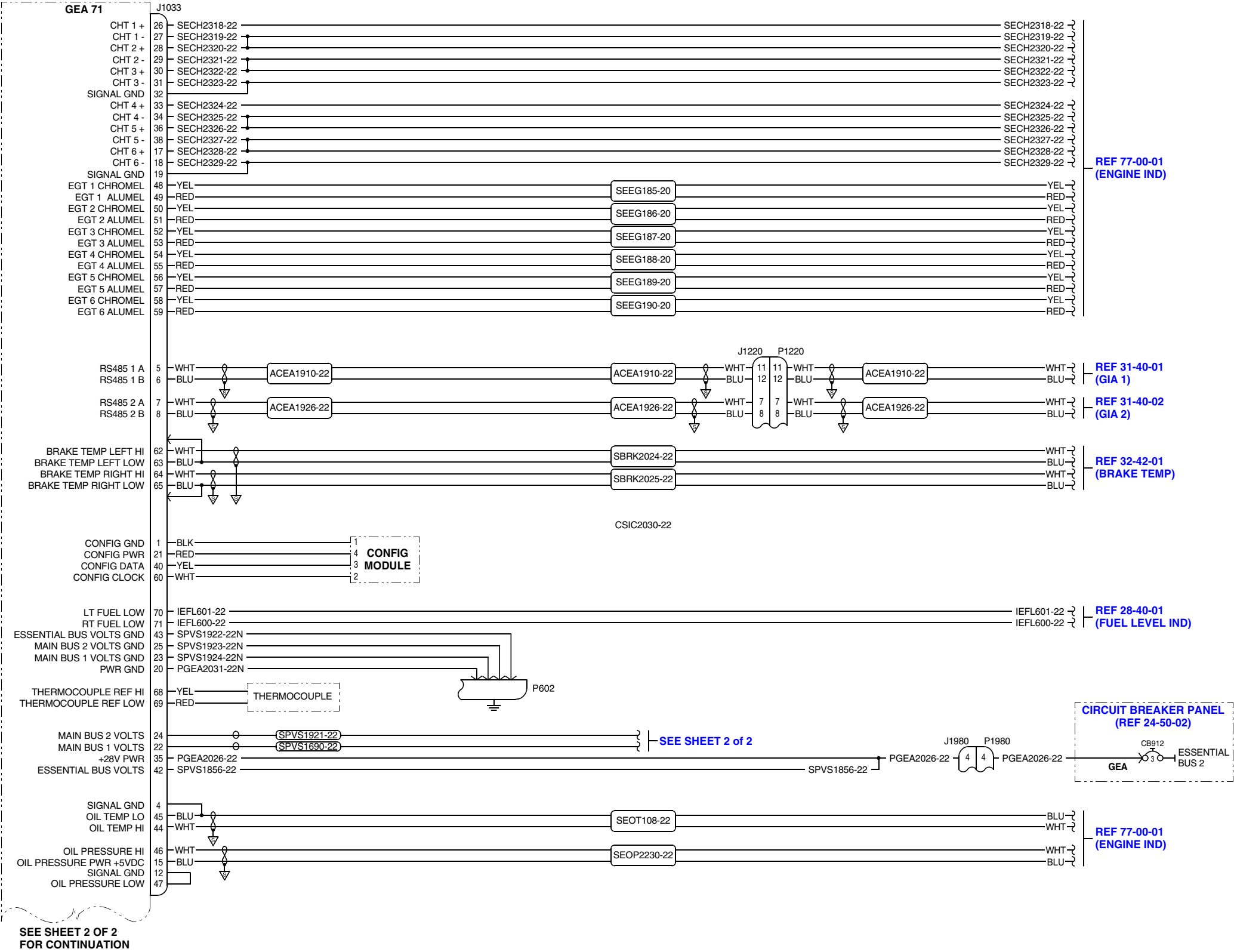


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Engine Analyzer (GEA) - Serials 2016 thru 2155 w/ Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

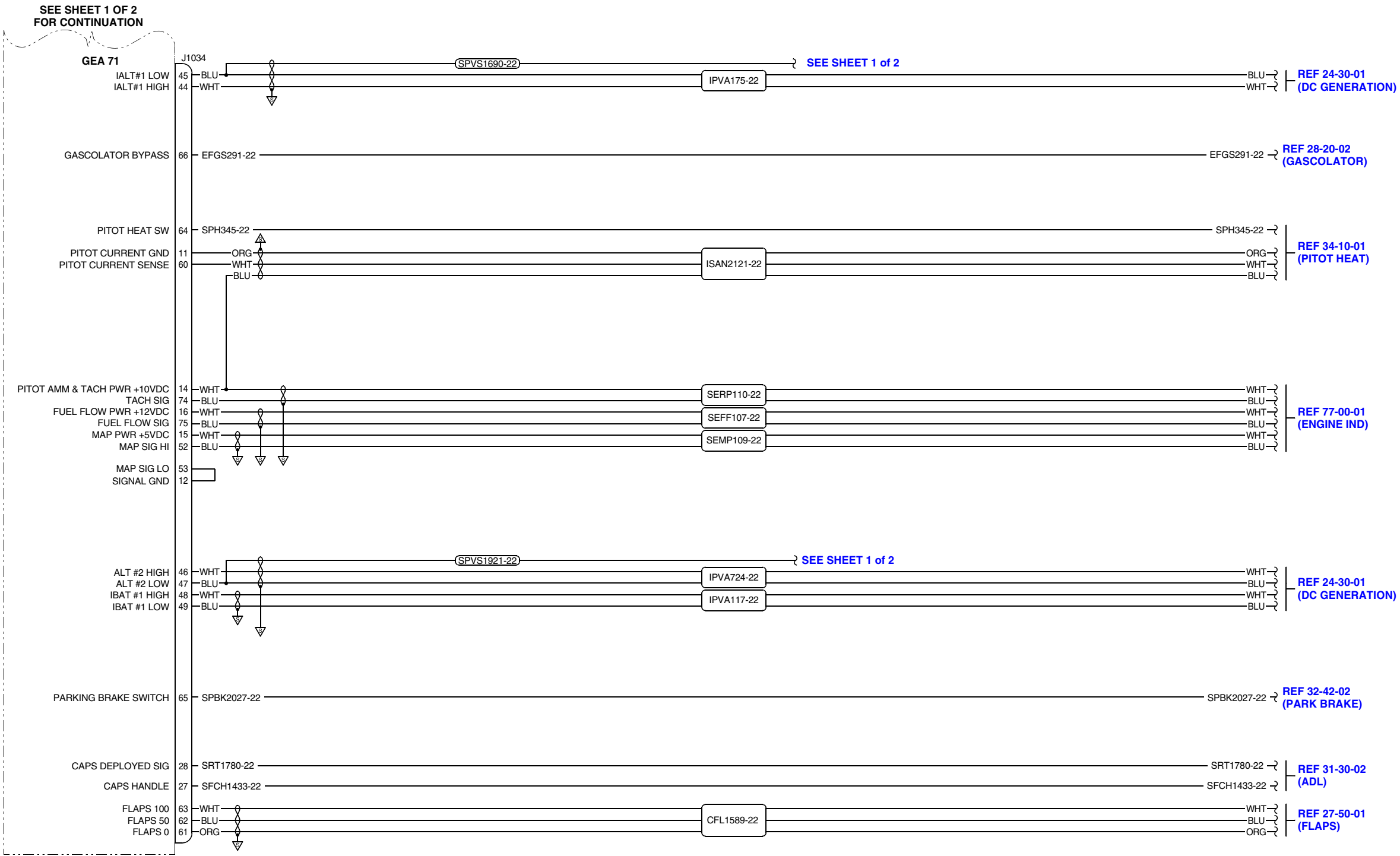
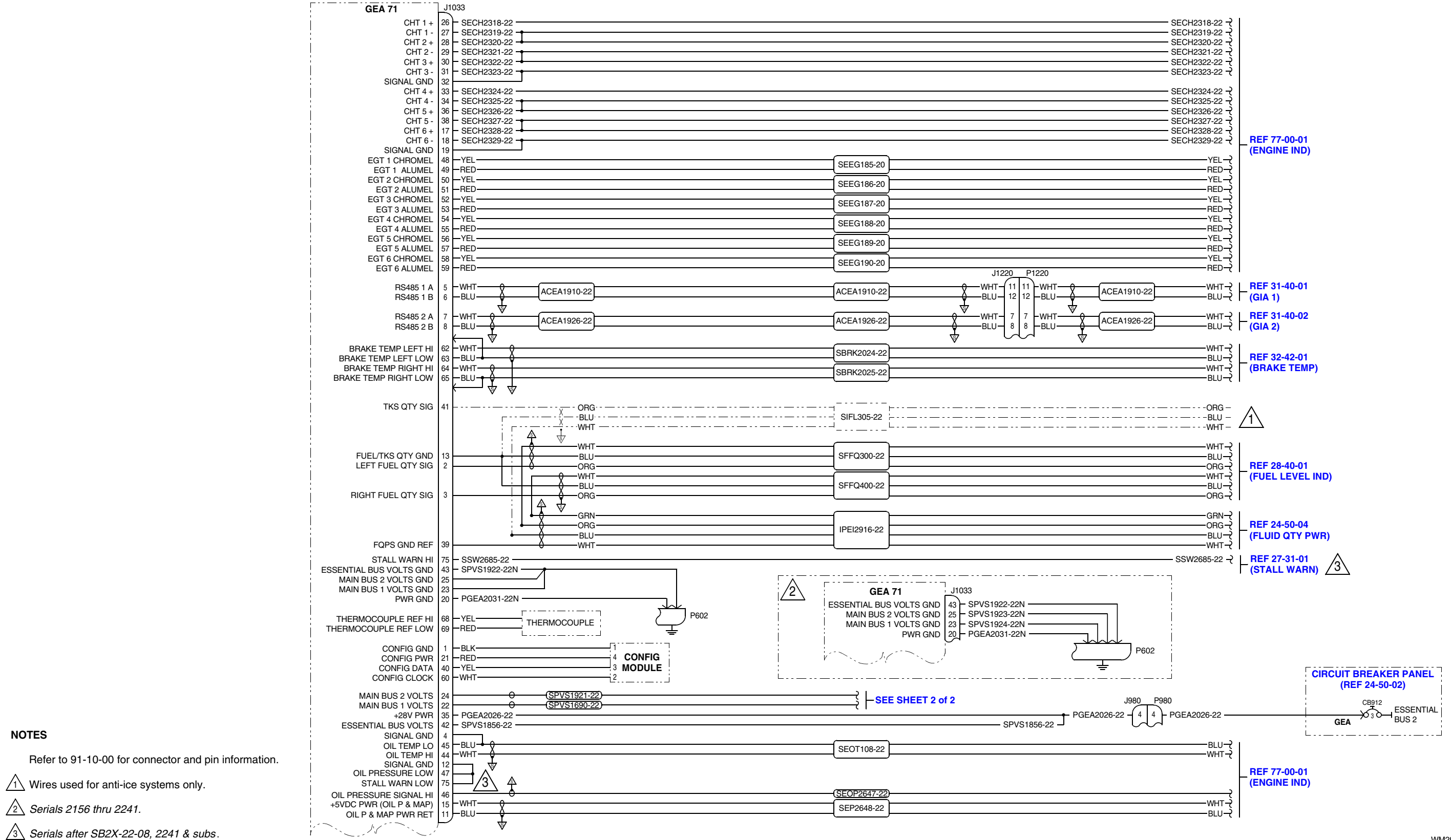


Figure-01

Engine Analyzer (GEA) - Serials 2016 thru 2155 w/ Perspective Avionics (2 of 2)

EFFECTIVITY:
Serials 2016 thru 2155 w/ Perspective Avionics

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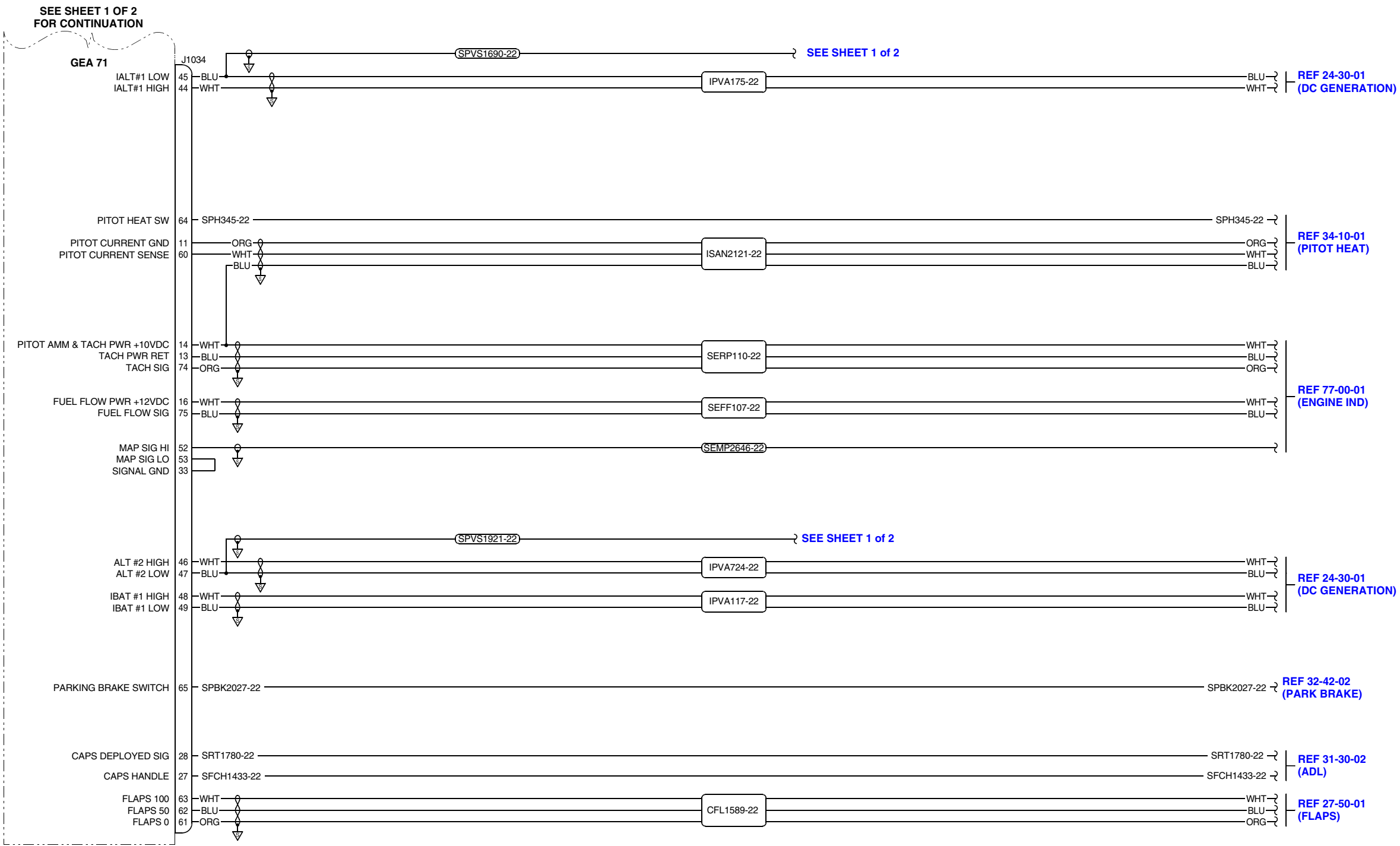
SEE SHEET 2 OF 2 FOR CONTINUATION

Figure-01

Engine Analyzer (GEA) - Serials 2156 & subs w/ Perspective Avionics (1 of 2)

EFFECTIVITY:
Serials 2156 & subs w/ Perspective Avionics

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80-00-01	4	01 MAY 2012
80-00-02	1	19 SEP 2010

EFFECTIVITY:
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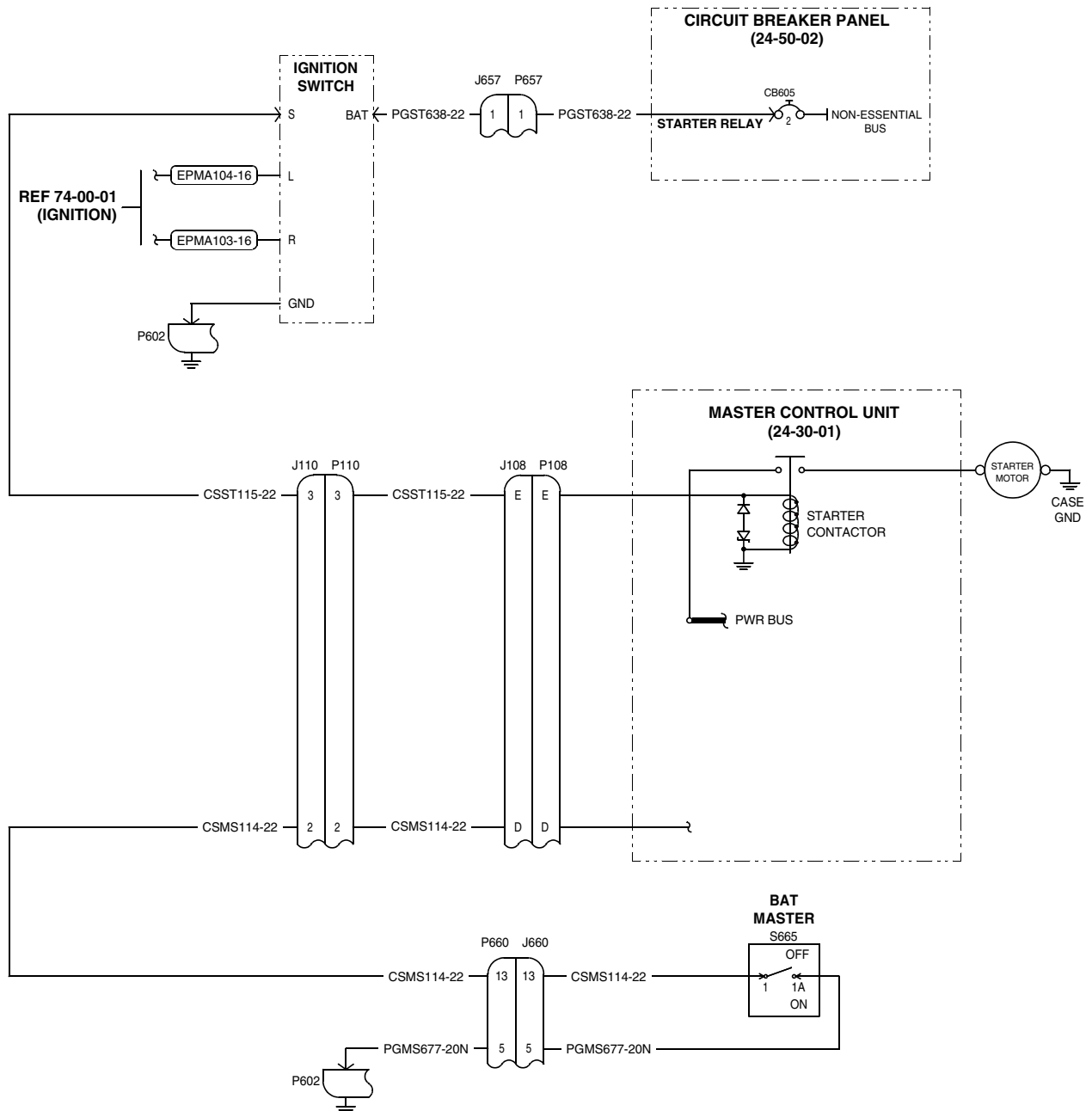
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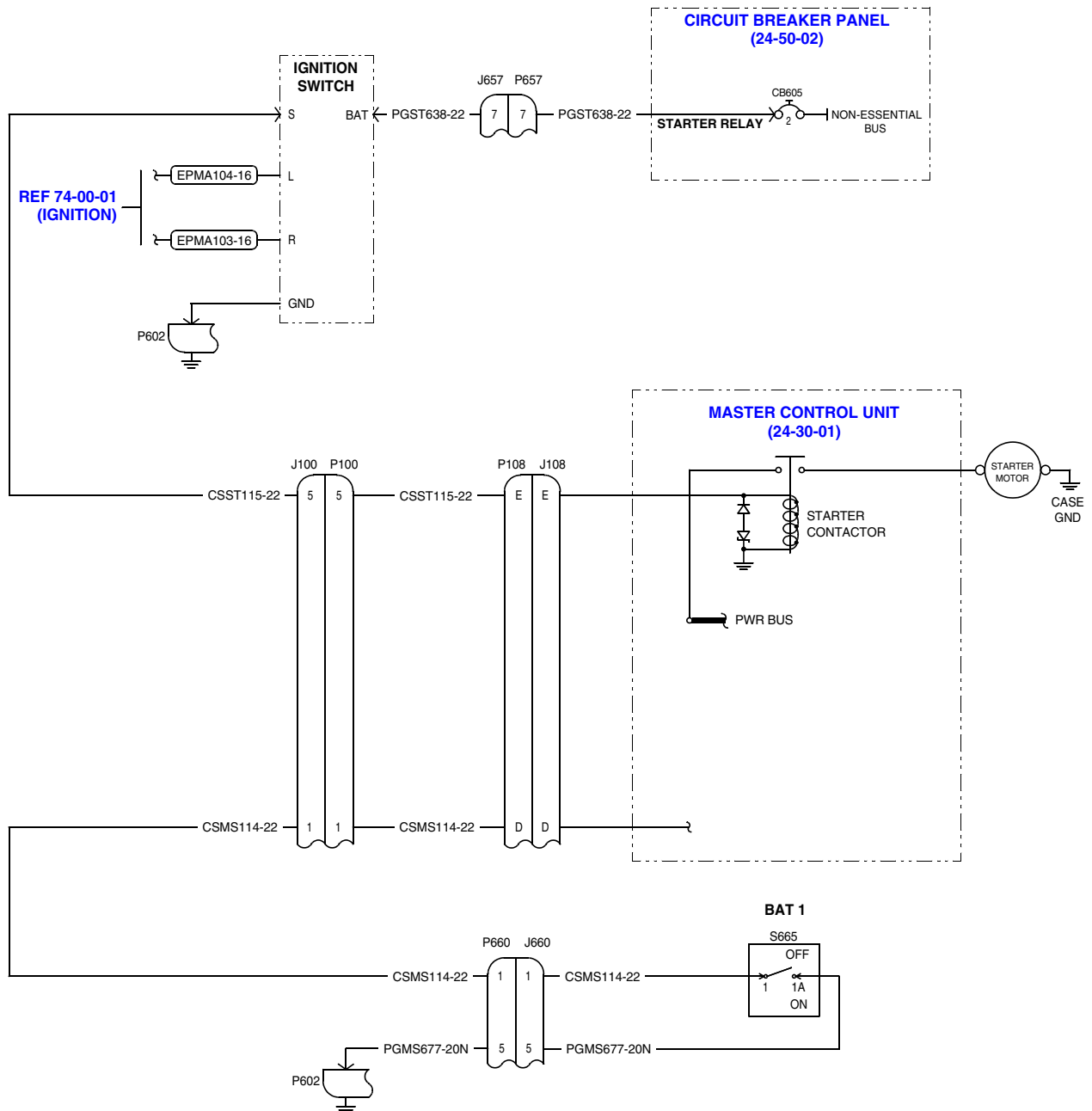
Refer to 91-10-00 for connector and pin information.

WM11713_02

Figure-01
Engine Starting - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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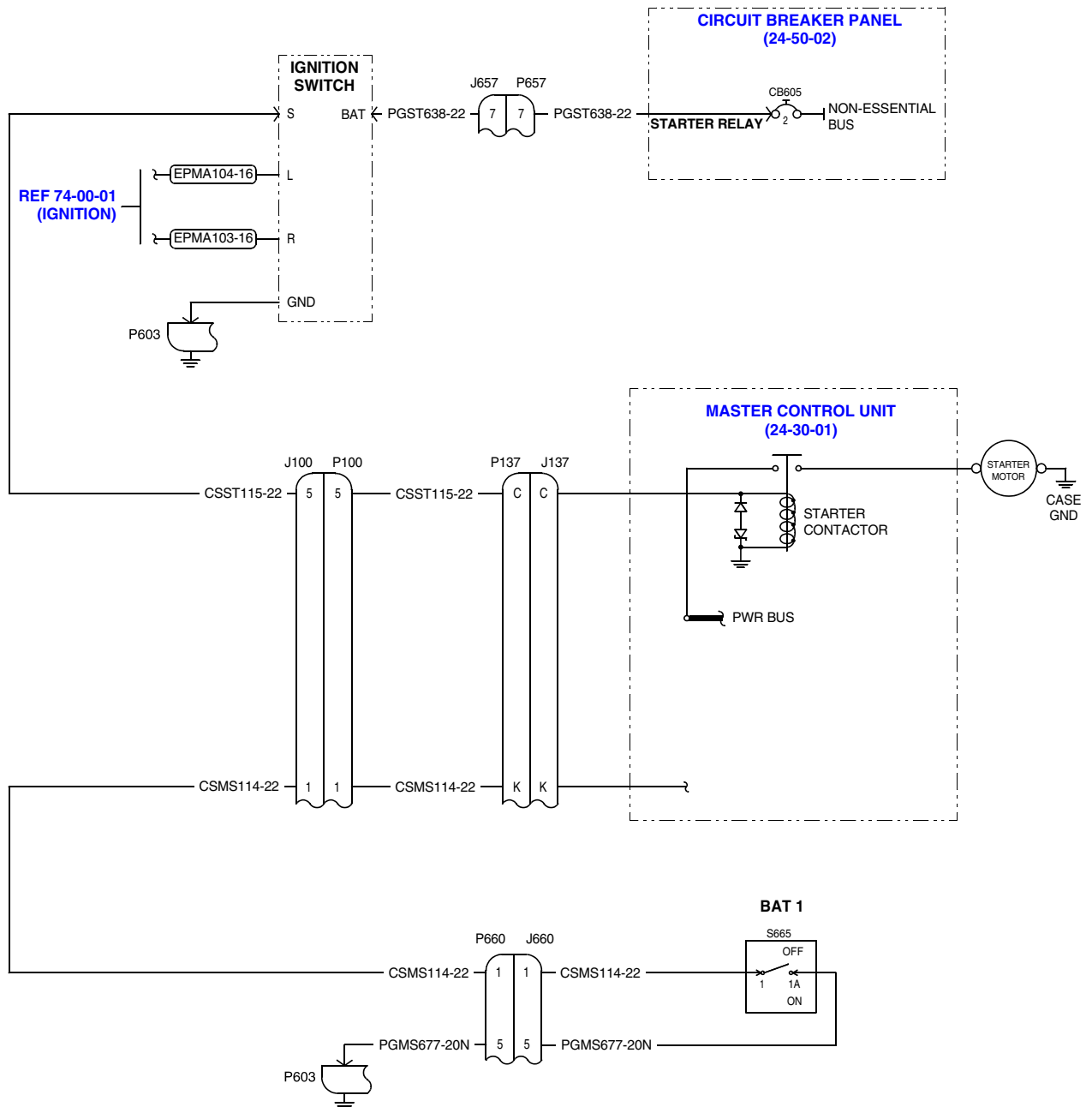
Refer to 91-10-00 for connector and pin information.

WM15394_11

Figure-01
Engine Starting - Serials 1268 thru 1581

EFFECTIVITY:
Serials 1268 thru 1581

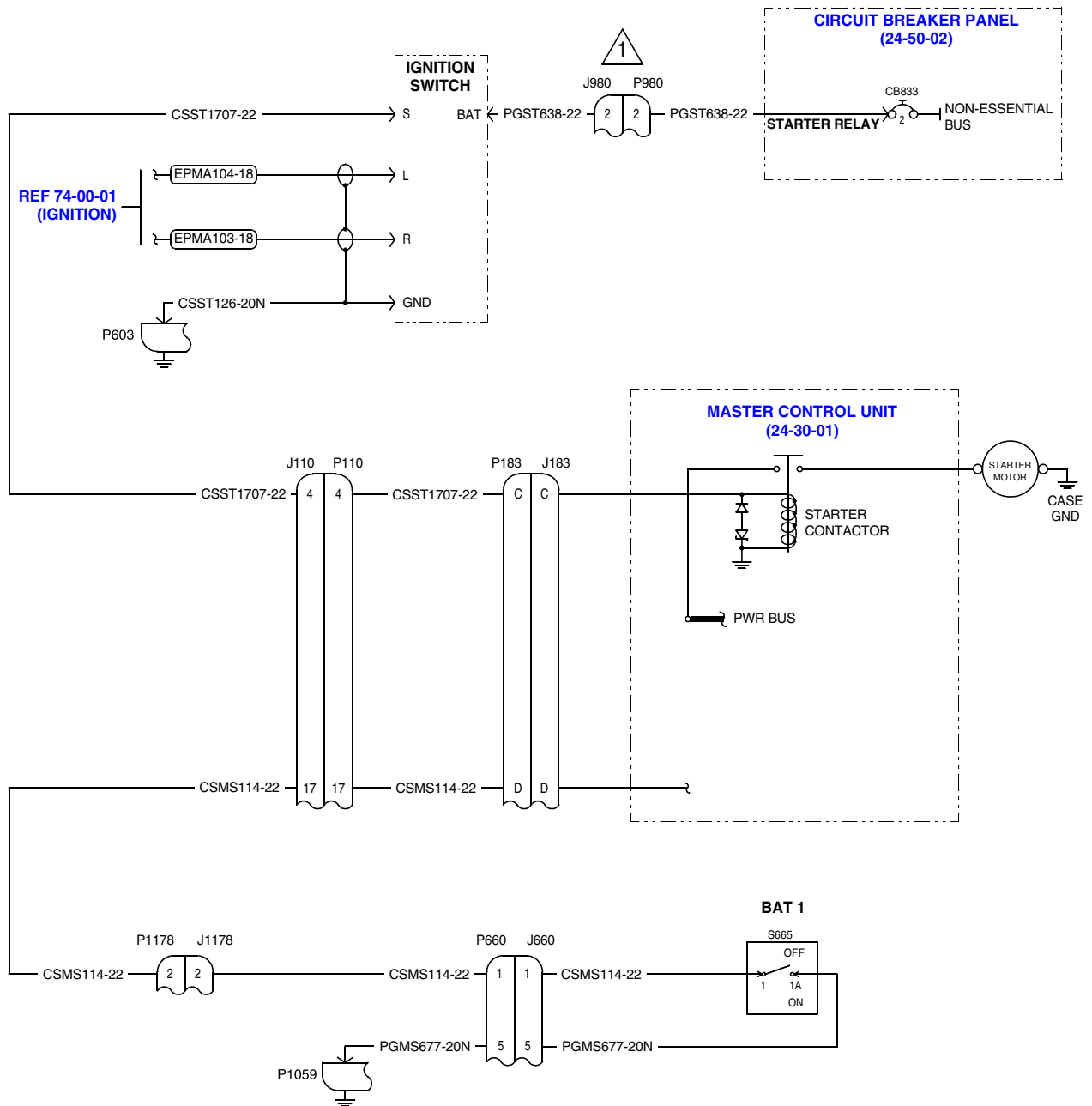
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WM16704_08

Figure-01
Engine Starting - Serials 1582 & subs w/o Perspective Avionics

EFFECTIVITY:
Serials 1582 & subs w/o Perspective Avionics

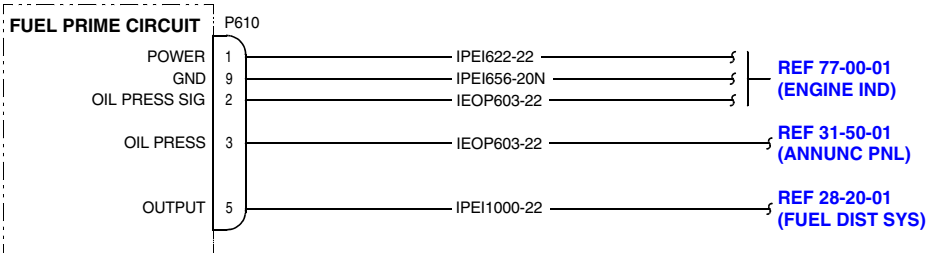


WM24630_03A

Figure-01
Engine Starting - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM13455_05

Figure-02
Starting Circuit - Serials 1268 thru 1581

EFFECTIVITY:
Serials 1268 thru 1581

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CHARTS

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SYSTEM LOAD CHARTS AND BUS SCHEMATICS

1. GENERAL

Serials 1005 thru 1267: In the standard configuration, the airplane is equipped with a single alternator rated at 75 amperes. The total system load of the airplane is supported by the single alternator configuration. The battery is charged in flight. The total continuous connected load is held to less than 80 % of the total rated generator output capacity.

An optional dual alternator system is installed in the airplane with an electric HSI (Configuration C and some Configuration B). In this configuration the forward (ALT 1) alternator is rated at 75 amperes and the aft (ALT 2) alternator is rated at 40 amperes. Paralleling circuits in the MCU balance alternator output so that, under normal operating conditions, ALT 1 provides 60 % of the electrical power and ALT 2 provides the remaining 40 %. In the event of failure of either alternator, the remaining alternator will provide 100 % of the electrical power requirements.

Individual circuit loads have been determined by measuring the circuit loads as installed in the aircraft using a calibrated ammeter. Loads stated for circuits with oscillating or varying power use are maximum operating loads. These load measurements present the most accurate data for power usage available.

The airplane has six distinct busses. Three busses, Main Bus 1, Main Bus 2, and the Non-Essential Bus are routed into the fuselage where power is distributed by the circuit breaker panel. The fourth bus, the fused 5 amp clock bus, is not controlled by the master switch arrangement and is used as a keep-alive bus. The remaining two busses, the Landing Light Bus and Standby Vacuum Bus, power devices forward of the firewall.

The airplane has a specially designed bus architecture that allows power to be routed to the essential circuitry if any one of the power distribution wires fails. The Non-Essential, Clock, Landing Light, and Standby Vacuum busses can be lost at any time and all essential devices will continue to operate. Either Main Bus 1 or Main Bus 2 can be lost, including a loss of the Non-Essential, Clock, Landing Light, and/or Standby Vacuum Bus and the essential circuits will remain powered.

Serials 1268 & subs w/o single alternator SRV: The airplane is equipped with a two alternator system, with each alternator operating continuously. The forward (ALT 1) alternator is rated at 75 amps. The aft (ALT 2) alternator is rated at 20 amperes. The total system load of the airplane is supported by the two alternator configuration. The battery is charged in flight. The total continuous connected load is held to less than 80% of the total rated generator output capacity.

During normal operation the system operates like two separate systems; ALT 1 provides power to battery 1 and the main distribution bus loads, and ALT 2 provides power to battery 2 and the essential distribution bus loads. Low RPM operation or a failure of ALT 2 will cause all system loads and both batteries to be powered by ALT 1 only. Because this operation is automatic, main distribution and essential distribution bus continuous loads are held to less than 80% of the capacity of ALT 1 (80% of 58 A = 46.4 A).

Individual circuit loads have been determined by measuring the circuit loads as installed in the aircraft using a calibrated ammeter. Loads stated for circuits with oscillating or varying power use are maximum operating loads. These load measurements present the most accurate data for power usage available.

Serials 1268 thru 1632, 1634 thru 1638: The airplane has seven power distribution busses with associated protection devices located within the MCU. Three busses are used as distribution feeders from the Main Distribution Bus. Two busses are used as distribution feeders from the Essential Distribution Bus. All distribution feeders are routed to the circuit breaker panel located near the pilot's right knee. One bus is used to power the landing light directly from the Main Distribution Bus through a 15 amp circuit breaker. One bus is the clock keep-alive bus, which is protected with a five amp fuse located in the side of the MCU. The clock bus is the only bus not controlled by the master switch arrangement.

Serials 1633, 1639 & subs: The airplane has eight power distribution busses with associated protection devices located within the MCU. Three busses are used as distribution feeders from the Main Distribution Bus. One bus is used as distribution feeders for Cabin Air Fan. Two busses are used as distribution feeders from the Essential Distribution Bus. All distribution feeders are routed to the circuit breaker panel located

near the pilot's right knee. One bus is used to power the landing light directly from the Main Distribution Bus through a 15 amp circuit breaker. One bus is the clock keep-alive bus, which is protected with a five amp fuse located in the side of the MCU. The clock bus is the only bus not controlled by the master switch arrangement.

Serials 1337 & subs w/ single alternator SRV: In the standard configuration, the airplane is equipped with a single alternator rated at 75 amperes. The total system load of the airplane is supported by the single alternator configuration. The battery is charged in flight. The total continuous connected load is held to less than 80 % of the total rated generator output capacity.

Individual circuit loads have been determined by measuring the circuit loads as installed in the aircraft using a calibrated ammeter. Loads stated for circuits with oscillating or varying power use are maximum operating loads. These load measurements present the most accurate data for power usage available.

Serials 1337 thru 1632, 1634 thru 1638: The airplane has seven power distribution busses with associated protection devices located within the MCU. Three busses are used as distribution feeders from the Main Distribution Bus. Two busses are used as distribution feeders from the Essential Distribution Bus. All distribution feeders are routed to the circuit breaker panel located near the pilot's right knee. One bus is used to power the landing light directly from the Main Distribution Bus through a 15 amp circuit breaker. One bus is the clock keep-alive bus, which is protected with a five amp fuse located in the side of the MCU. The clock bus is the only bus not controlled by the master switch arrangement.

Serials 1633, 1639 & subs w/o Perspective Avionics: The airplane has eight power distribution busses with associated protection devices located within the MCU. Three busses are used as distribution feeders from the Main Distribution Bus. One bus is used as distribution feeders for Cabin Air Fan. Two busses are used as distribution feeders from the Essential Distribution Bus. All distribution feeders are routed to the circuit breaker panel located near the pilot's right knee. One bus is used to power the landing light directly from the Main Distribution Bus through a 15 amp circuit breaker. One bus is the clock keep-alive bus, which is protected with a five amp fuse located in the side of the MCU. The clock bus is the only bus not controlled by the master switch arrangement.

Serials 2016 & subs w/ Perspective Avionics: The airplane has 10 power distribution busses with associated protection devices located within the MCU. Three busses are used as distribution feeders from the Main Distribution Bus 1. Three busses are used as distribution feeders from the Main Distribution Bus 2. Two busses are used as distribution feeders from the Essential Distribution Bus. All distribution feeders are routed to the circuit breaker panel located near the pilot's right knee. One bus is used to power the landing light directly from the Main Distribution Bus 1 through a 7.5 amp fuse. One bus is the constant power bus, which is protected with a five amp fuse located in the side of the MCU. The constant power bus is the only bus not controlled by the master switch arrangement. The constant power bus is not used by the Perspective Avionics.

2. CIRCUIT LOAD CHARTS

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
AVIONICS ESSENTIAL	AVIONICS RELAY #1 COIL	15	20	CONT.	0.1
	AUDIO PANEL	5	7.5	CONT.	0.3
	ENCODER TRANSPONDER	2	7.5	CONT. CONT.	0.5 0.1
	GPS 1	5	7.5	CONT.	1.0
	COM 1	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.91
AVIONICS NON-ESSENTIAL	AVIONICS RELAY #2 COIL	15	20	CONT.	0.1
	MULTI-FUNCTION DISPLAY	5	7.5	CONT.	1.0
	COM 2 STANDARD CONFIGURATION	7.5	7.5	CONT. (RX) INTER. (TX)	1.35 5.50
	B CONFIGURATION	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.91
	C CONFIGURATION	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.91
	GPS 2 STANDARD CONFIGURATION (N/A)	-	-	-	-
	B CONFIGURATION	5	7.5	CONT.	1.0
	C CONFIGURATION	5	7.5	CONT.	1.0
	STORMSCOPE	3	5	CONT.	0.33
MAIN BUS 1	PITCH TRIM	2	5	INT.	0.2
	ROLL TRIM	2	5	INT.	0.7
	INSTRUMENT LIGHTS	2	5	CONT.	1.2
	AUTOPILOT	5	5	CONT.	1.1
NON-ESSENTIAL BUS	AUXILIARY	5	5	CONT.	5.0
	CONVENIENCE OUTLET	5	5	CONT.	5.0
	COOLING FAN PITOT HEAT	7.5	7.5 10	CONT. CONT.	0.22 4.1
	FLAPS	15	15	CONT. INT.	0.1 5.8
	STARTER RELAY	2	5	INT.	0.1

Figure 91-001
Circuit Load Chart - Serials 1005 thru 1267 (Sheet 1 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
ESSENTIAL BUS	ANNUNCIATOR	2	7.5	CONT.	0.4
	TURN COORDINATOR	2	5	CONT.	0.5
	ENGINE INSTRUMENTS HOBBS	5	5	CONT. CONT.	0.3 0.1
	ELECTRIC HSI C CONFIGURATION	3	5	CONT.	1.5
	ALTERNATOR 1 FIELD	5	5	CONT.	3.5
	ALTERNATOR 2 FIELD C CONFIGURATION	5	5	CONT.	3.5
MAIN BUS 2	FUEL PUMP	5	7.5	CONT.	2.0
	FLOOD LIGHTS CABIN LIGHTS	3	5	CONT.	0.2 0.20
	RIGHT NAV LIGHT LEFT NAV LIGHT	5	5	CONT.	1.85 1.85
	RIGHT STROBE LIGHT P.S. LEFT STROBE LIGHT P.S.	5	5	CONT.	2.15 2.15
CLOCK BUS	CLOCK	5	5	CONT.	0.11
LANDING LIGHT BUS	LANDING LIGHT COIL			CONT.	0.1
	LANDING LIGHT 250W	15	15	CONT.	9.7
STANDBY VACUUM BUS	STANDBY VACUUM COIL			CONT.	0.1

Figure 91-001
Circuit Load Chart - Serials 1005 thru 1267 (Sheet 2 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
AVIONICS ESSENTIAL	AVIONICS RELAY #1 COIL	15	20	CONT.	0.08
	COM 1	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.74
	GPS 1	5	7.5	CONT.	1.12
AVIONICS NON-ESSENTIAL	AVIONICS NON-ESSENTIAL RELAY COIL	15	20	CONT.	0.08
	COM 2	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.74
	GPS 2	5	7.5	CONT.	1.12
	ENCODER TRANSPONDER	2	7.5	CONT. CONT.	0.48 0.35
	MULTI-FUNCTION DISPLAY	5	7.5	CONT.	2.25
	AUDIO PANEL	5	7.5	CONT.	0.36
	STORMSCOPE	3	5	CONT.	0.33
	WEATHER	3	5	CONT.	0.30
	SKYWATCH	5	7.5	CONT.	1.17
	TAWS	5	7.5	CONT.	0.28
ESSENTIAL BUS	ANNUNCIATOR	2	5	CONT.	0.22
	STALL WARNING	2	5	INT.	0.001
	TURN COORDINATOR #1	2	5	CONT.	0.46
	ATTITUDE # 1	3	5	CONT.	0.65
	PFD #1	10	15	CONT.	3.0
	ALTERNATOR 2 FIELD	5	7.5	CONT.	3.5
	ENGINE INSTRUMENTS	2	5	CONT.	0.36
ESSENTIAL 2 BUS	AVIONICS ESSENTIAL RELAY COIL			CONT.	0.08
	AUTOPILOT	5	5	CONT.	1.1
MAIN BUS 1	PITCH TRIM YAW TRIM	2	5	INT. CONT. (RX) INTER. (TX)	0.3 0.26 0.4
	DAU	5	5	CONT.	0.18
	HOBBS	5	5	CONT.	0.01
	ROLL TRIM	2	5	INT.	0.75
	INSTRUMENT LIGHTS	2	5	CONT.	0.23

Figure 91-002
Circuit Load Chart - Serials 1268 & subs w/o Single Alternator SRV (Sheet 1 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
MAIN BUS 2	FUEL PUMP	5	7.5	CONT. INT.	1.0 1.56
	FLOOD LIGHTS CABIN LIGHTS	3	5	CONT.	0.18 0.14
	ATTITUDE # 2	3	5	CONT.	0.65
	GPS 2	5	7.5	CONT.	1.12
	PFD #2	10	15	CONT.	3.0
	ALTERNATOR 1 FIELD	5	7.5	5	3.5
	TURN COORDINATOR #2	2	5	CONT.	0.46
NON-ESSENTIAL BUS	CONVENIENCE OUTLET	3	5	CONT.	3.0
	COOLING FAN PITOT HEAT	7.5	7.5	CONT. CONT.	0.23 3.6
	STARTER RELAY	2	5	INT.	0.1
	FLAPS	10	15	CONT. INT.	0.07 6.5
	RIGHT NAV LIGHT LEFT NAV LIGHT	5	10	CONT.	1.99 1.99
	RIGHT STROBE LIGHT P.S. LEFT STROBE LIGHT P.S.	5	5	CONT.	2.1 2.1
LANDING LIGHT BUS	LANDING LIGHT COIL			CONT.	0.08
	LANDING LIGHT	15	15	CONT. INT.	2.1 4.4
CLOCK BUS	CLOCK	5	5	CONT.	0.11
AIR CONDITIONING BUS 2	FAN	15	15	CONT.	9.2

Figure 91-002
Circuit Load Chart - Serials 1268 & subs w/o Single Alternator SRV (Sheet 2 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
AVIONICS ESSENTIAL	AVIONICS RELAY #1 COIL	15	20	CONT.	0.08
	COM 1	7.5	7.5	CONT. (RX) INTER. (TX)	0.01 1.74
	GPS 1	5	7.5	CONT.	1.12
AVIONICS NON-ESSENTIAL	AVIONICS NON-ESSENTIAL RELAY COIL	15	20	CONT.	0.08
	ENCODER TRANSPONDER	2	7.5	CONT. CONT.	0.48 0.35
	MULTI-FUNCTION DISPLAY	5	7.5	CONT.	2.25
	AUDIO PANEL	5	7.5	CONT.	0.36
	STORMSCOPE	3	5	CONT.	0.33
	WEATHER	3	5	CONT.	0.30
	SKYWATCH	5	7.5	CONT.	1.17
	TAWS	5	7.5	CONT.	0.28
ESSENTIAL BUS	ANNUNCIATOR	2	5	CONT.	0.22
	ENGINE INSTRUMENTS	2	5	CONT.	0.36
	STALL WARNING	2	5	INT.	0.001
	PFD #1	10	15	CONT.	3.0
ESSENTIAL 2 BUS	AVIONICS ESSENTIAL RELAY COIL			CONT.	0.08
MAIN BUS 1	PITCH TRIM YAW TRIM	2	5	INT. CONT. (RX) INTER. (TX)	0.3 0.26 0.4
	HOBBS	5	5	CONT.	0.23
	DAU	5	5	CONT.	0.18
	ROLL TRIM	2	5	INT.	0.75
	INSTRUMENT LIGHTS	2	5	CONT.	0.23
MAIN BUS 2	FUEL PUMP	5	7.5	CONT. INT.	1.0 1.56
	FLOOD LIGHTS CABIN LIGHTS	3	5	CONT.	0.18 0.14
	PFD #2	10	15	CONT.	3.45
	ALTERNATOR 1 FIELD	5	7.5	5	3.5

Figure 91-003
Circuit Load Chart - Serials 1337 & subs w/ Single Alternator SRV (Sheet 1 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
NON-ESSENTIAL BUS	COOLING FAN PITOT HEAT	7.5	7.5	CONT. CONT.	0.23 3.6
	STARTER RELAY	2	5	INT.	0.1
	FLAPS	10	15	CONT. INT.	0.07 6.5
	RIGHT NAV LIGHT LEFT NAV LIGHT	5	10	CONT.	1.99 1.99
	RIGHT STROBE LIGHT P.S. LEFT STROBE LIGHT P.S.	5	5	CONT.	2.1 2.1
LANDING LIGHT BUS	LANDING LIGHT COIL			CONT.	0.08
	LANDING LIGHT	15	15	CONT. INT.	2.1 4.4
CLOCK BUS	CLOCK	5	5	CONT.	0.11
AIR CONDITIONING BUS 2	FAN	15	15	CONT.	9.2

Figure 91-003
Circuit Load Chart - Serials 1337 & subs w/ Single Alternator SRV (Sheet 2 of 2)

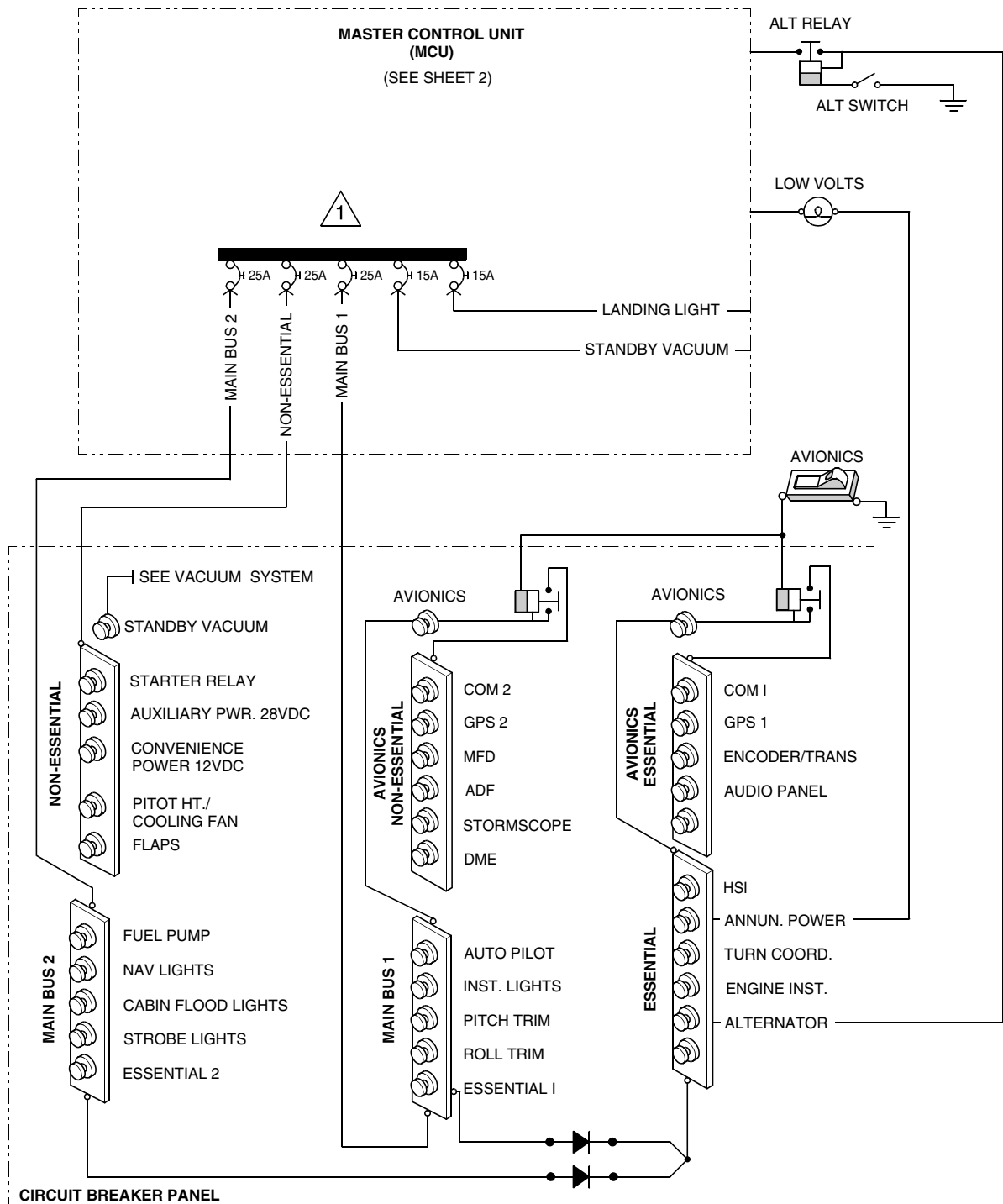
CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
NON-ESSENTIAL BUS	RIGHT STROBE LIGHT P.S. LEFT STROBE LIGHT P.S.	5 5	10 10	CONT. CONT.	1.60 1.60
	RIGHT NAV LIGHT LEFT NAV LIGHT	5 5	10 10	CONT. CONT.	1.82 1.82
	RIGHT REC LIGHT LEFT REC LIGHT	5 5	7.5 7.5	CONT. CONT.	0.52 0.52
	FLAPS	10	15	CONT. INTER.	0.07 6.50
	MFD COOLING FAN	3	5	CONT.	0.07
	PITOT HEAT	7.5	10	CONT. INTER.	3.60 4.00
	STARTER RELAY	2	5	INTER.	0.10
ESSENTIAL BUS 1	STANDBY ATTITUDE # 1	5	5	CONT.	0.65
	PFD #1	5	5	CONT.	0.44
	GIA 63W #1 COM 1	7.5	7.5	CONT. (RX) INTER. (TX)	0.30 4.30
	GIA 63W #1 GPS 1	5	5	CONT.	0.68
	AHRS #1	5	5	CONT.	0.26
	ADC #1	5	5	CONT.	0.15
ESSENTIAL BUS 2	STALL WARNING	2	5	INTER.	0.001
	PITCH TRIM	2	5	INTER.	0.30
	TRIM ADAPTER	2	7.5	CONT.	0.036
	ROLL TRIM	2	5	INTER.	0.75
	GEA 71	3	5	CONT.	0.19
	ALTERNATOR 2 FIELD	5	7.5	CONT.	3.50
AIR CONDITIONING BUS 1	CONDENSOR	15	30	CONT.	10.25
	ALTERNATOR 1 FIELD	5	7.5	CONT.	3.50
AIR CONDITIONING BUS 2	FAN	15	20	CONT.	9.15
	COMPRESSOR	5	5	CONT.	0.55

Figure 91-004
Circuit Load Chart - Serials 2016 & subs w/ Perspective Avionics (Sheet 1 of 2)

CIRCUIT IDENTIFICATION	ELECTRICAL LOAD	PROTECTOR VALUE (AMPS)	MAX PROTECT OR (AMPS)	DUTY CYCLE	CURRENT DRAIN AT 28 VDC (AMPS)
AVIONICS BUS	AUDIO PANEL	5	5	CONT.	0.35
	LIGHTNING DETECTION XM	3 3	5 5	CONT. CONT.	0.25 0.29
	DATA LINK	5	5	CONT. (RX) INTER. (TX)	1.53 2.74
	TRAFFIC	5	7.5	CONT.	1.29
	TRANSPONDER	2	7.5	CONT.	0.47
	ADF DME	3 3	5 5	CONT. CONT.	0.29 0.45
MAIN BUS 1	AVIONICS NON-ESSENTIAL RELAY COIL	10	15	CONT.	0.08
	FUEL QUANTITY HOBBS	3 3	5 5	CONT. CONT.	0.11 0.10
	CABIN LIGHTS FLOOD LIGHTS INSTRUMENT LIGHTS	5 5 5	5 5 5	CONT. CONT. CONT.	0.14 0.18 0.42
	AUTOPILOT KEY PAD	5 5	5 5	CONT. CONT.	0.19 0.06
	AUTOPILOT CONTROLLER (SYS 55) TURN COORD PWR (SYS 55)	5 5	5 5	CONT. CONT.	0.19 0.75
	PITCH SERVO ROLL SERVO	5 5	7.5 7.5	CONT. CONT.	1.15 0.82
	CABIN AIR CONTROL	2	5	CONT.	0.78
	ICE LIGHTS	5	5	CONT.	0.5
MAIN BUS 2	GIA 63W #2 COM 2	7.5	7.5	CONT. (RX) INTER. (TX)	0.30 4.30
	GIA 63W #2 GPS 2	5	5	CONT.	0.68
	FUEL PUMP	5	7.5	CONT.	1.00
	AHRS #2	5	5	CONT.	0.29
	ADC #2	5	5	CONT.	0.25
	PFD COOLING FAN GIA COOLING FAN CO DETECTOR	5 5 5	5 5 5	CONT. CONT. CONT.	0.07 0.32 0.04
MAIN BUS 3	MFD #1	5	5	CONT.	0.08
	CONVENIENCE OUTLET (PWR) CONVENIENCE OUTLET (GND)	5 5	5 5	CONT. CONT.	5.00 5.00
	EVS	5	5	CONT.	1.50

Figure 91-004
Circuit Load Chart - Serials 2016 & subs w/ Perspective Avionics (Sheet 2 of 2)

3. ELECTRICAL SYSTEM SCHEMATICS



NOTE

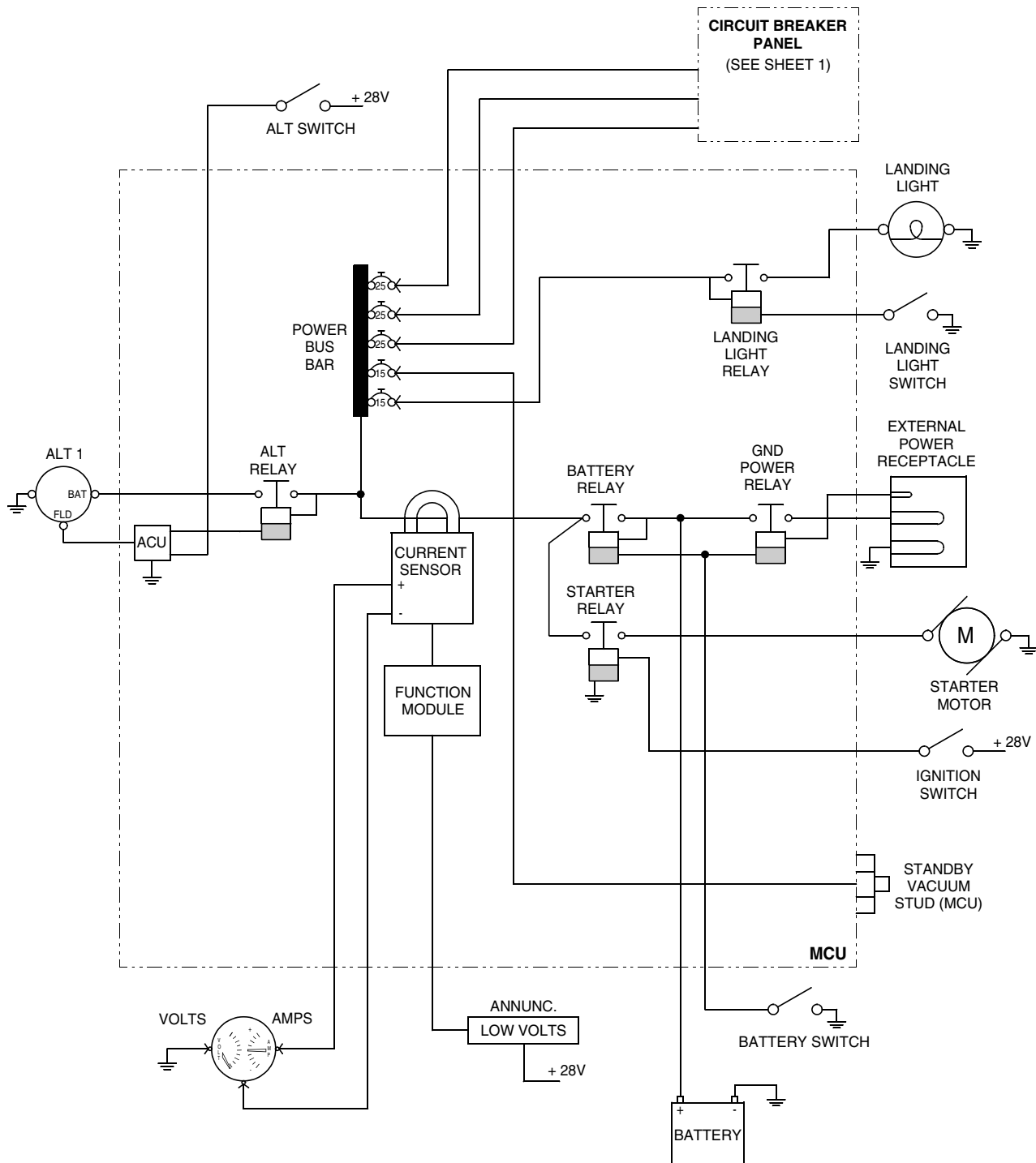
1 Earlier serials have fuses in place of circuit breakers.

Serials 1005 thru 1267.

SR20_MM24_1316B

Figure 91-005
Electrical System Schematic: Single Alternator - Serials 1005 thru 1267

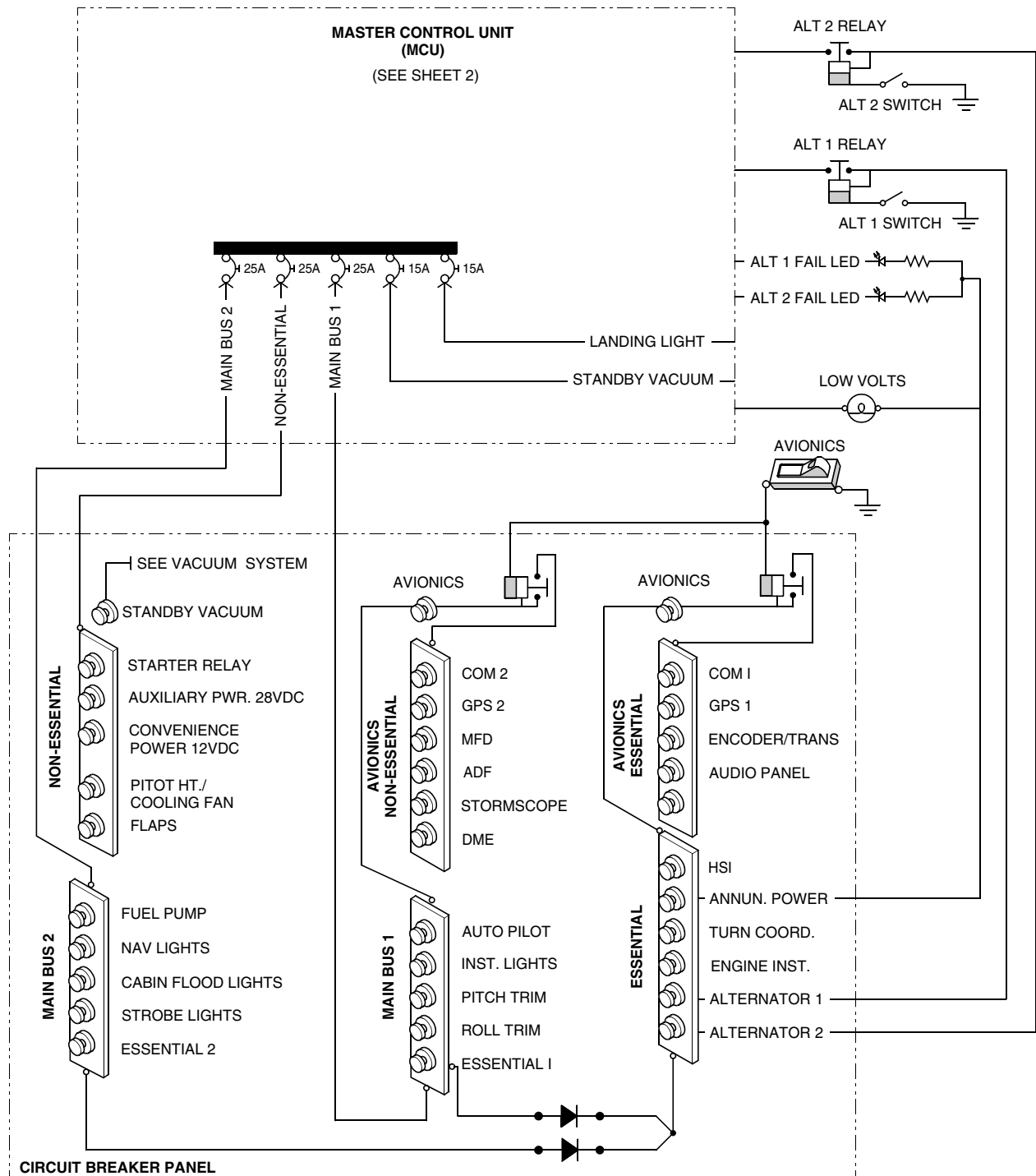
EFFECTIVITY:
Serials 1005 thru 1267



Serials 1005 thru 1267.

SR20_MM24_1313B

Figure 91-006
Electrical System Schematic: Single Alternator - Serials 1005 thru 1267



Serials 1005 thru 1267.

SR20_MM24_1317B

Figure 91-007
Electrical System Schematic: Dual Alternator - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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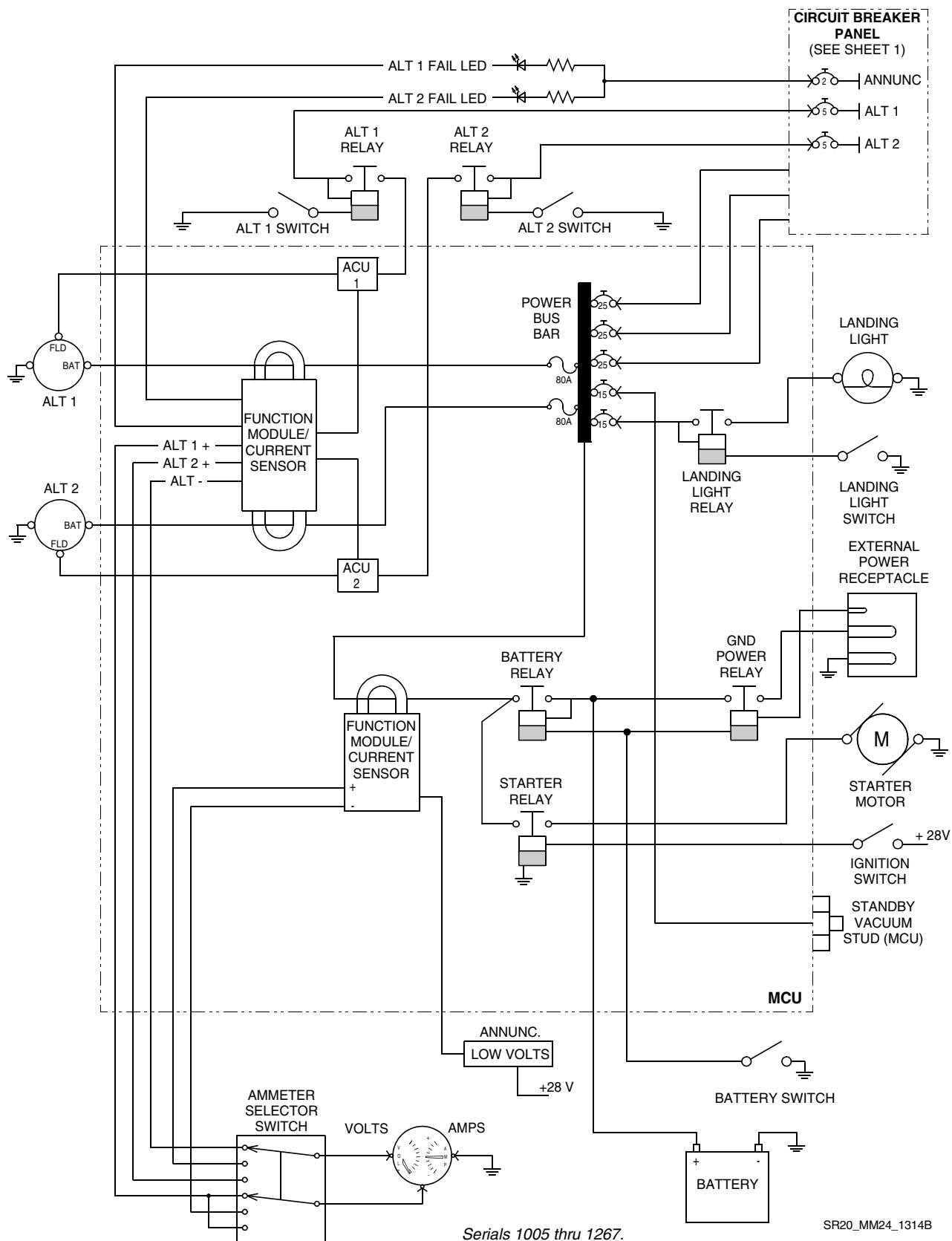


Figure 91-008
Electrical System Schematic: Dual Alternator - Serials 1005 thru 1267

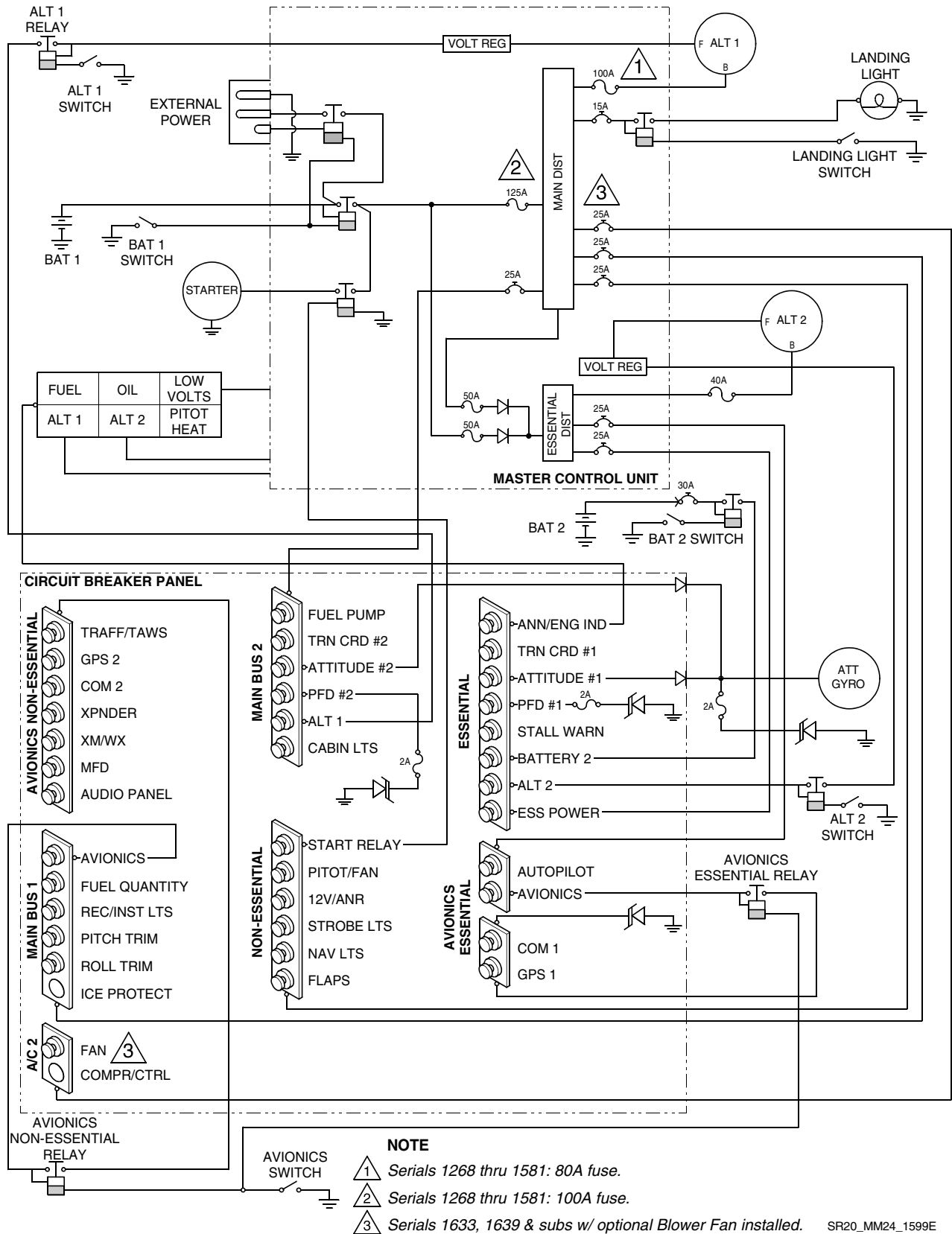


Figure 91-009
Electrical System Schematic: Serials 1268 & subs w/o SRV & w/o Perspective Avionics

EFFECTIVITY:
 Serials 1268 & subs w/o SRV & w/o Perspective Avionics



EFFECTIVITY:
Serials 1337 & subs w/ Single Alternator SRV

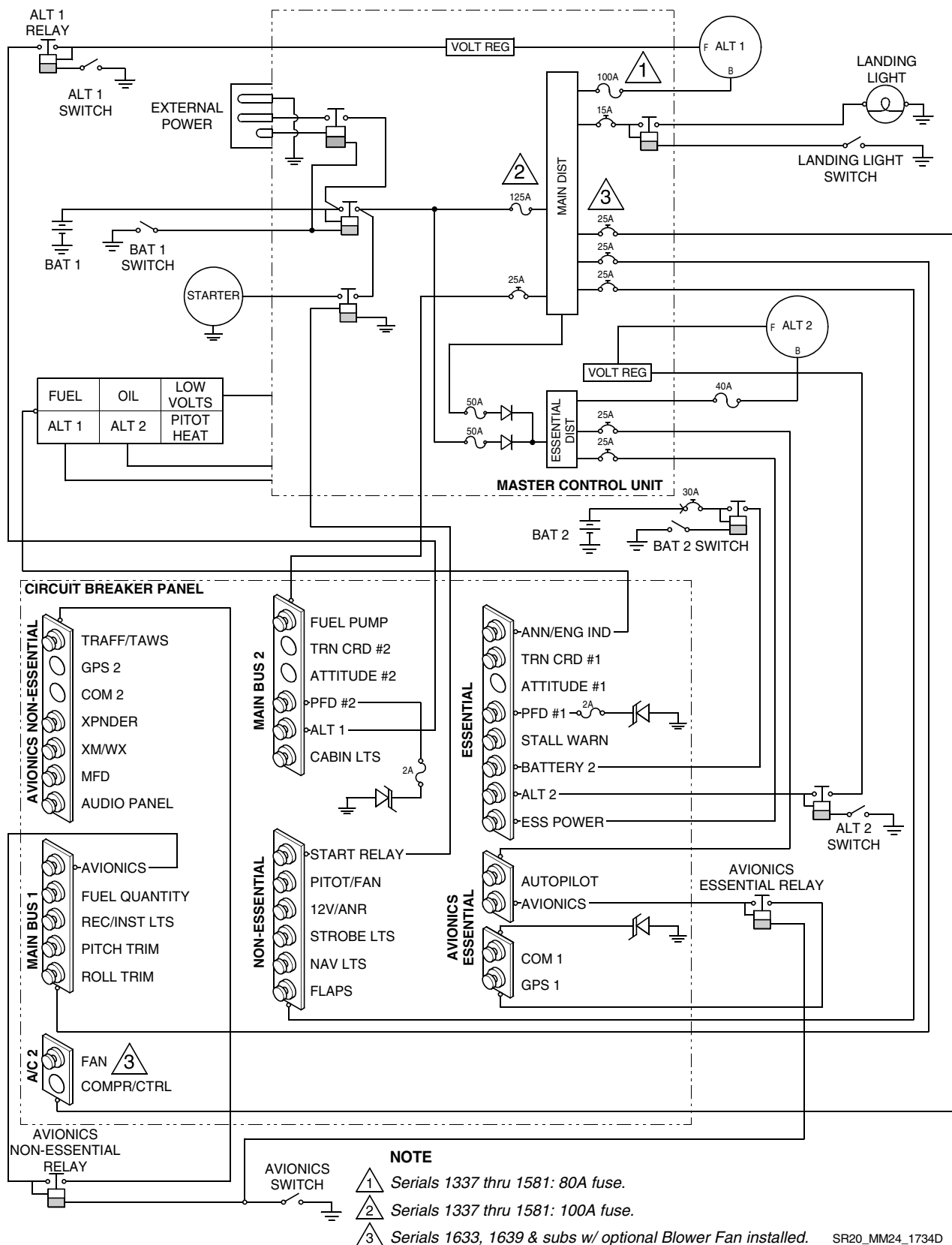


Figure 91-0011
Electrical System Schematic: Serials 1337 & subs w/ Dual Alternator SRV

EFFECTIVITY:
 Serials 1337 & subs w/ Dual Alternator SRV

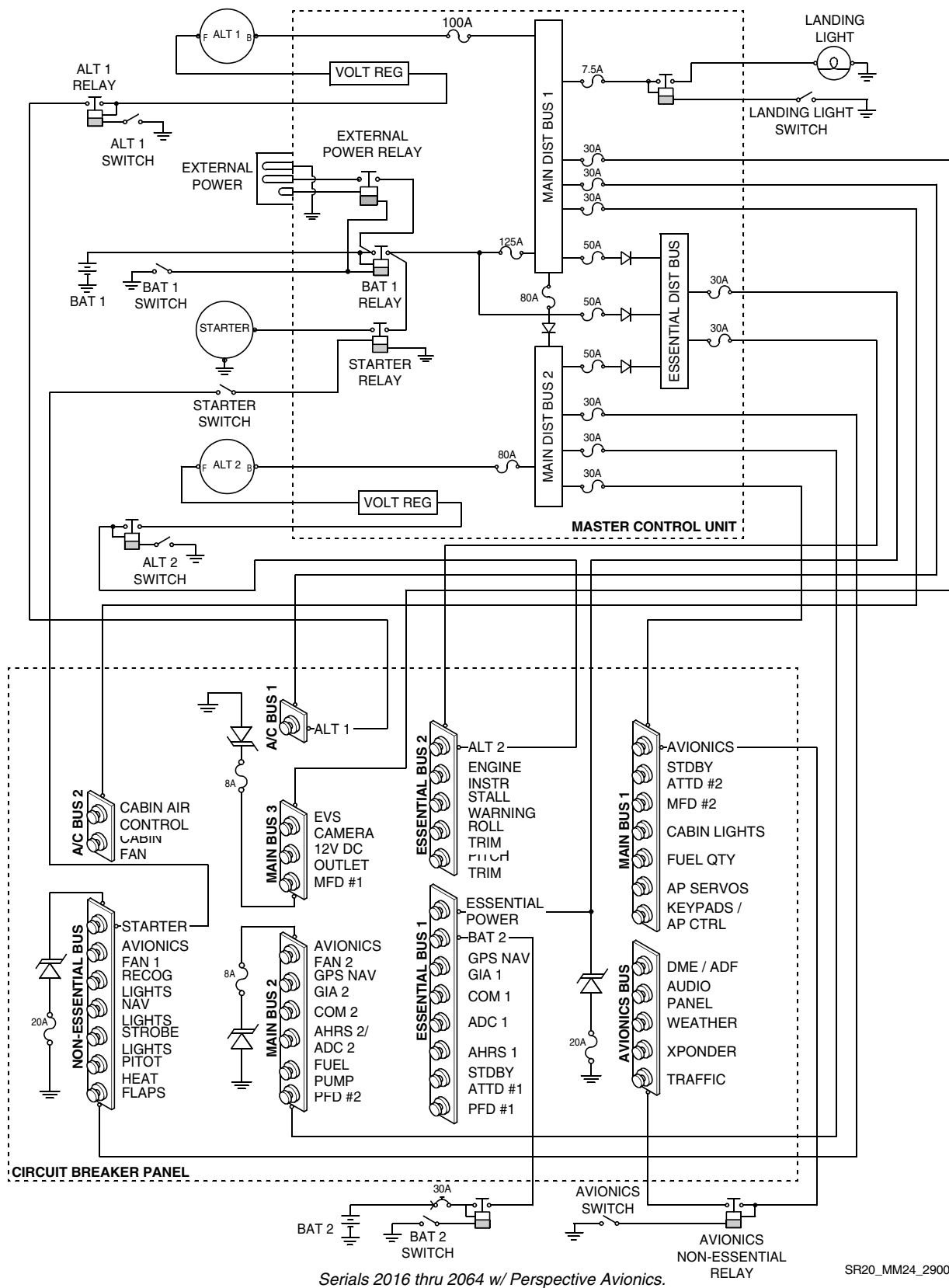
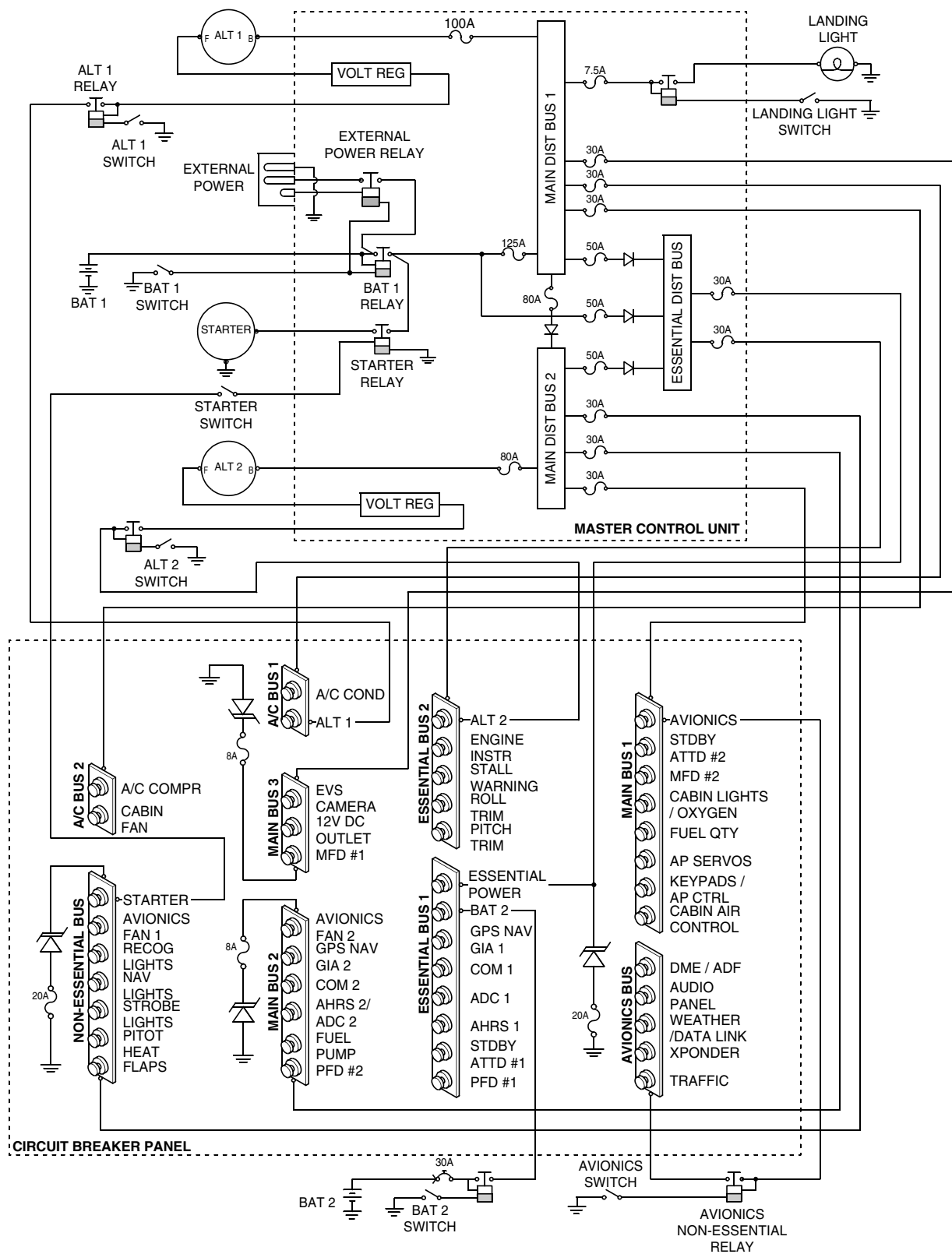


Figure 91-0012
Electrical System Schematic: Serials 2016 thru 2064 w/ Perspective Avionics



Serials 2065 thru 2240 w/ Perspective Avionics.

SR20_MM24_3359B

Figure 91-0013
Electrical System Schematic: Serials 2065 thru 2240 w/ Perspective Avionics

EFFECTIVITY:
 Serials 2065 thru 2240 w/ Perspective Avionics

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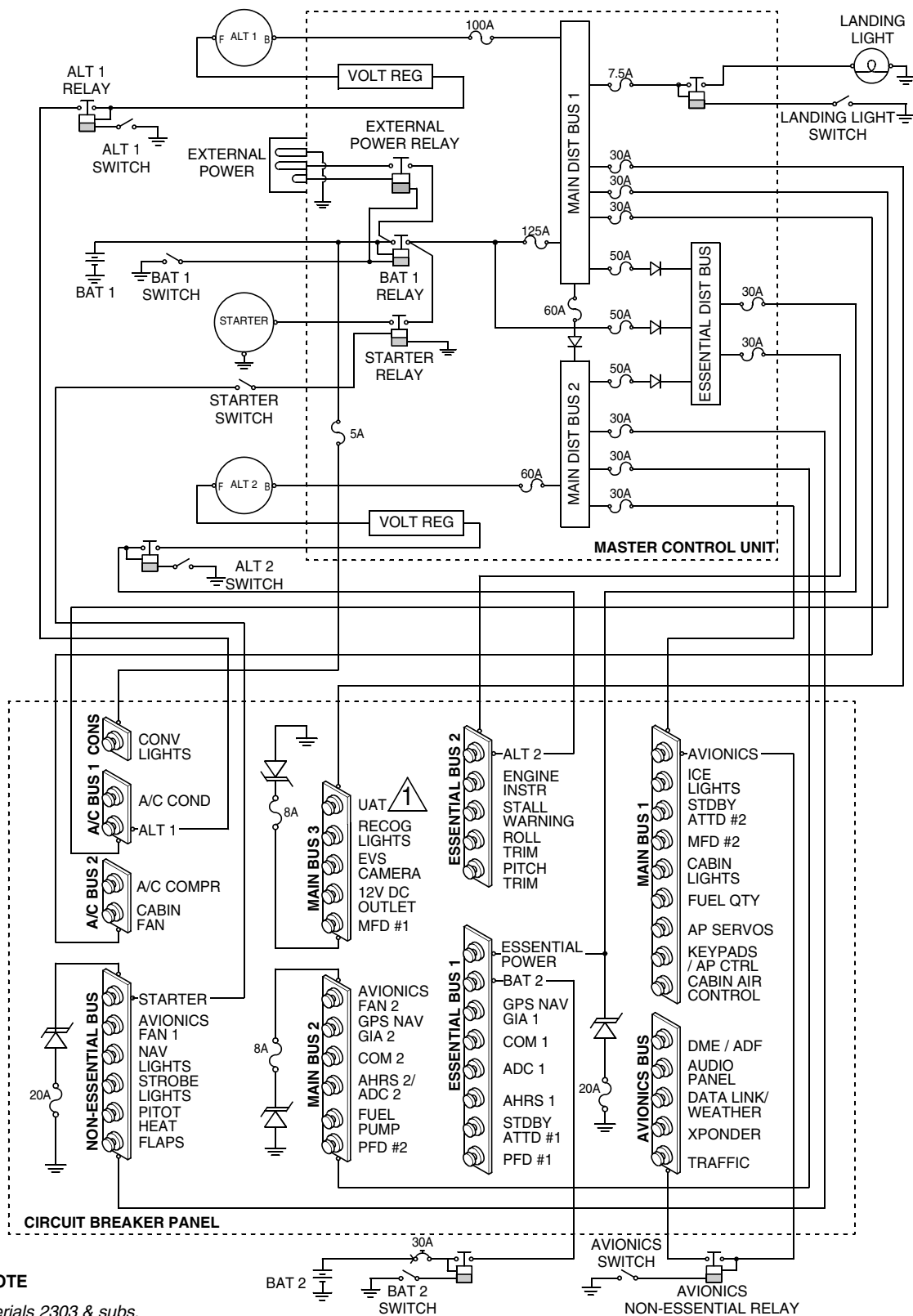
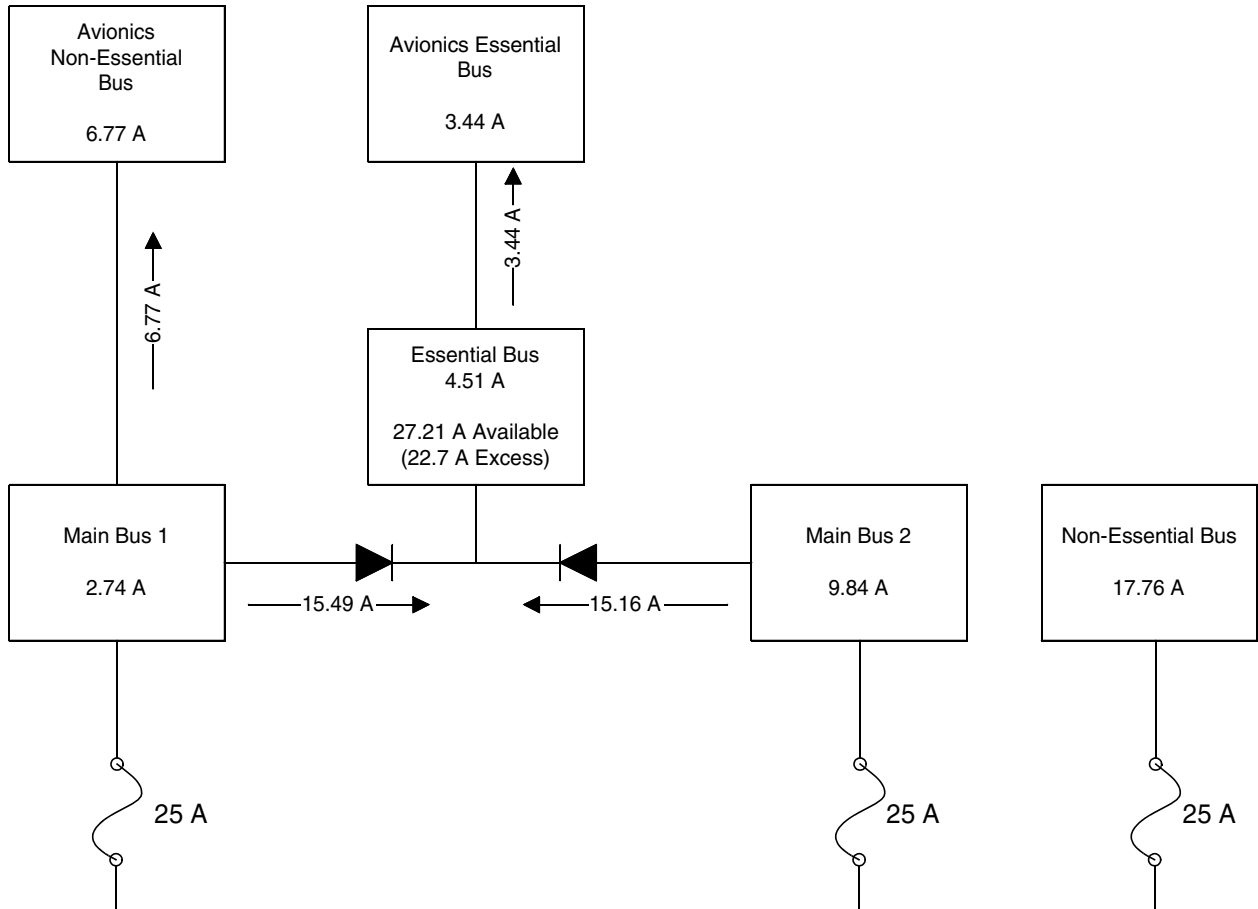


Figure 91-0014
Electrical System Schematic: Serials 2241 & subs w/ Perspective Avionics

4. POWER DISTRIBUTION SCHEMATICS



For Reference:

Main Bus 1 Available (25A) - Main Bus 1 Load (2.74A) - Avionics Non-Essential Load (6.77A) = Left Excess (15.49A).

Main Bus 2 Available (25A) - Main Bus 2 Load (9.84A) = Right Excess (15.16A).

Left Excess (15.49A) + Right Excess (15.16A) - Avionics Essential Load (3.44A) = Essential Bus Available (27.21A).

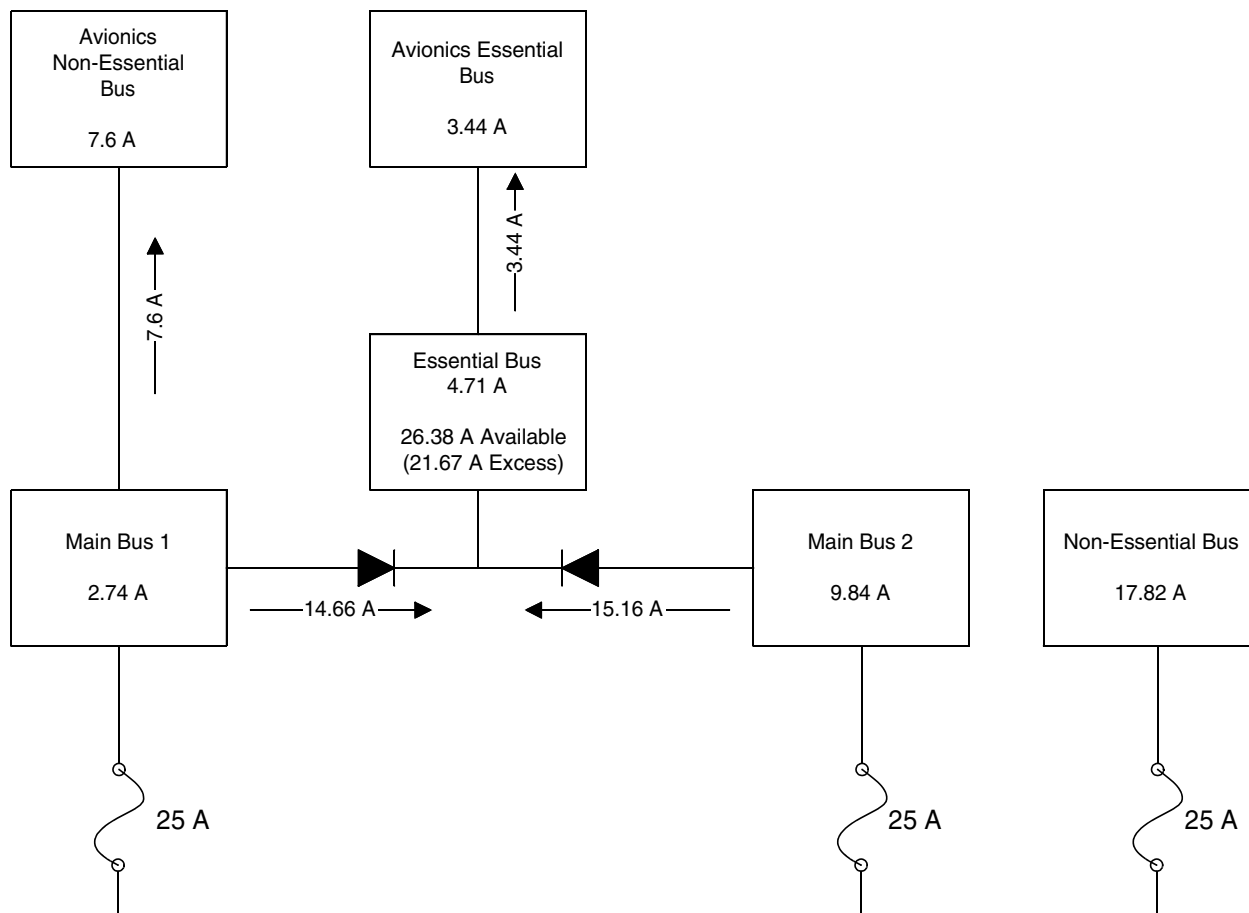
Essential Bus Available (27.21A) - Essential Bus Load (4.51A) = System Excess (22.7A).

WM11970-01

Figure 91-0015
Power Distribution: Configuration A - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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For Reference:

Main Bus 1 Available (25A) - Main Bus 1 Load (2.74A) - Avionics Non-Essential Load (7.6 A) = Left Excess (14.66 A).

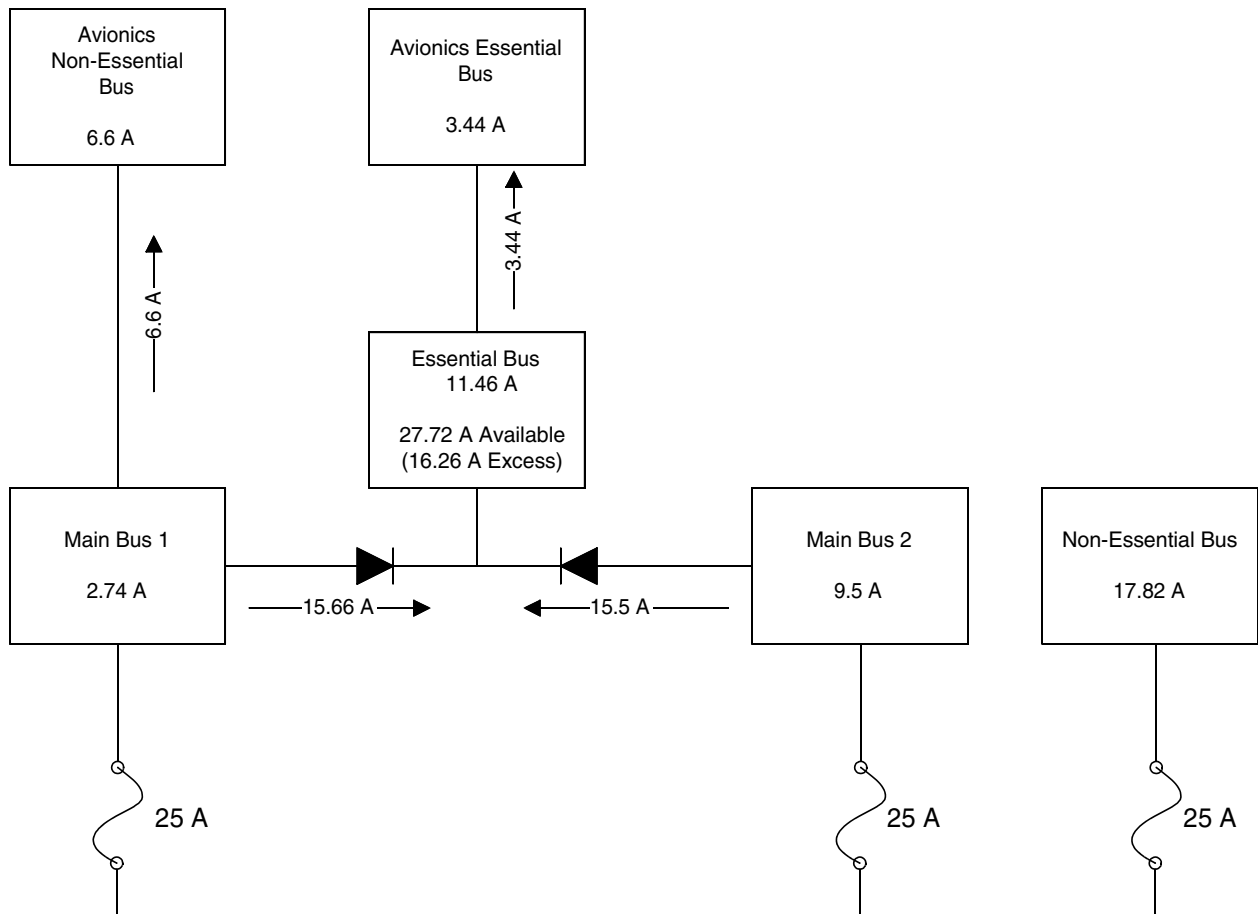
Main Bus 2 Available (25A) - Main Bus 2 Load (9.84 A) = Right Excess (15.16 A).

Left Excess (14.66 A) + Right Excess (15.16A) - Avionics Essential Load (3.44A) = Essential Bus Available (26.38 A).

Essential Bus Available (26.38 A) - Essential Bus Load (4.71A) = System Excess (21.67A).

WM11970-02

Figure 91-0016
Power Distribution: Configuration B - Serials 1005 thru 1267



For Reference:

Main Bus 1 Available (25A) - Main Bus 1 Load (2.74A) - Avionics Non-Essential Load (6.6A) = Left Excess (15.66A).

Main Bus 2 Available (25A) - Main Bus 2 Load (9.5A) = Right Excess (15.5A).

Left Excess (15.66A) + Right Excess (15.5A) - Avionics Essential Load (3.44A) = Essential Bus Available (27.72A).

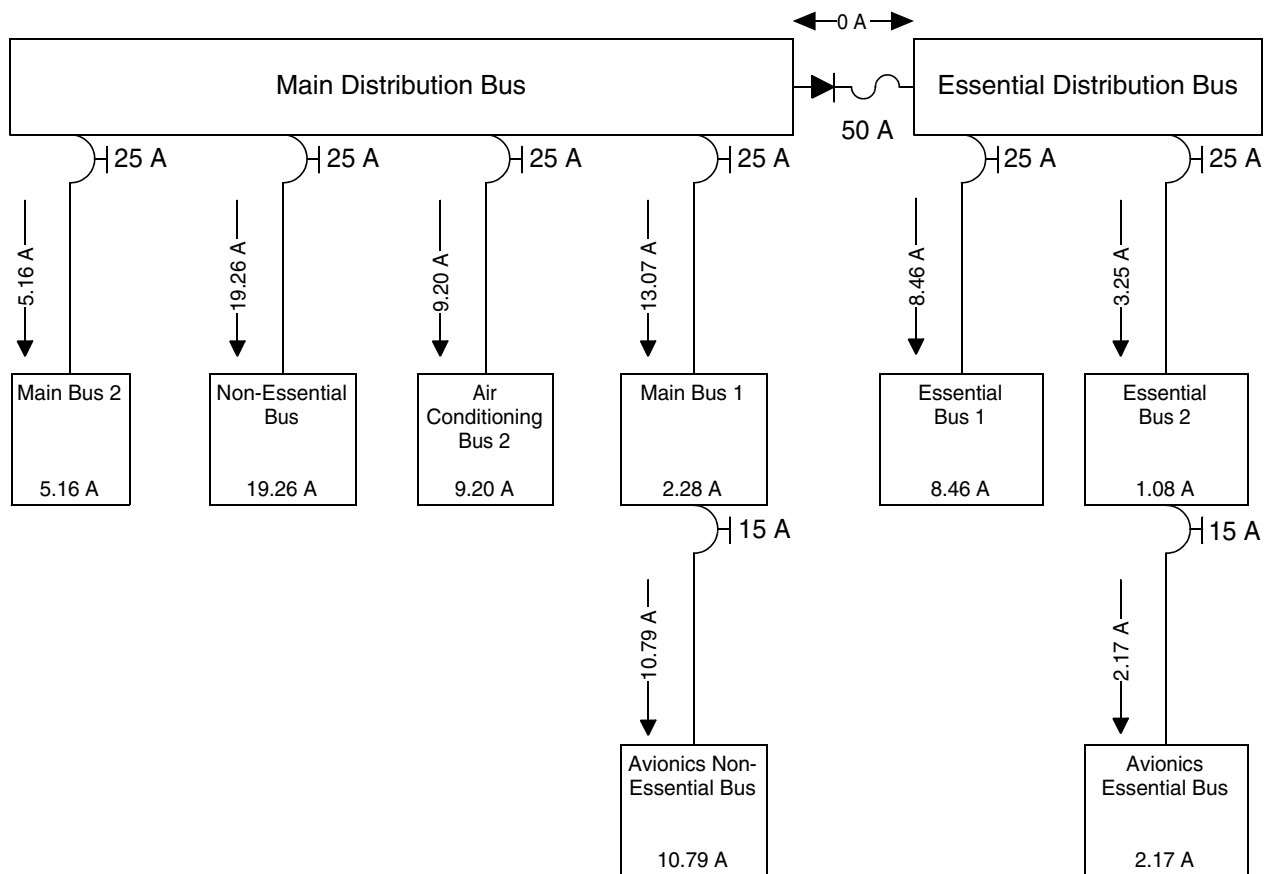
Essential Bus Available (27.72A) - Essential Bus Load (11.46A) = System Excess (16.26A).

WM11970-03

Figure 91-0017
Power Distribution: Configuration B+ and C - Serials 1005 thru 1267

EFFECTIVITY:
Serials 1005 thru 1267

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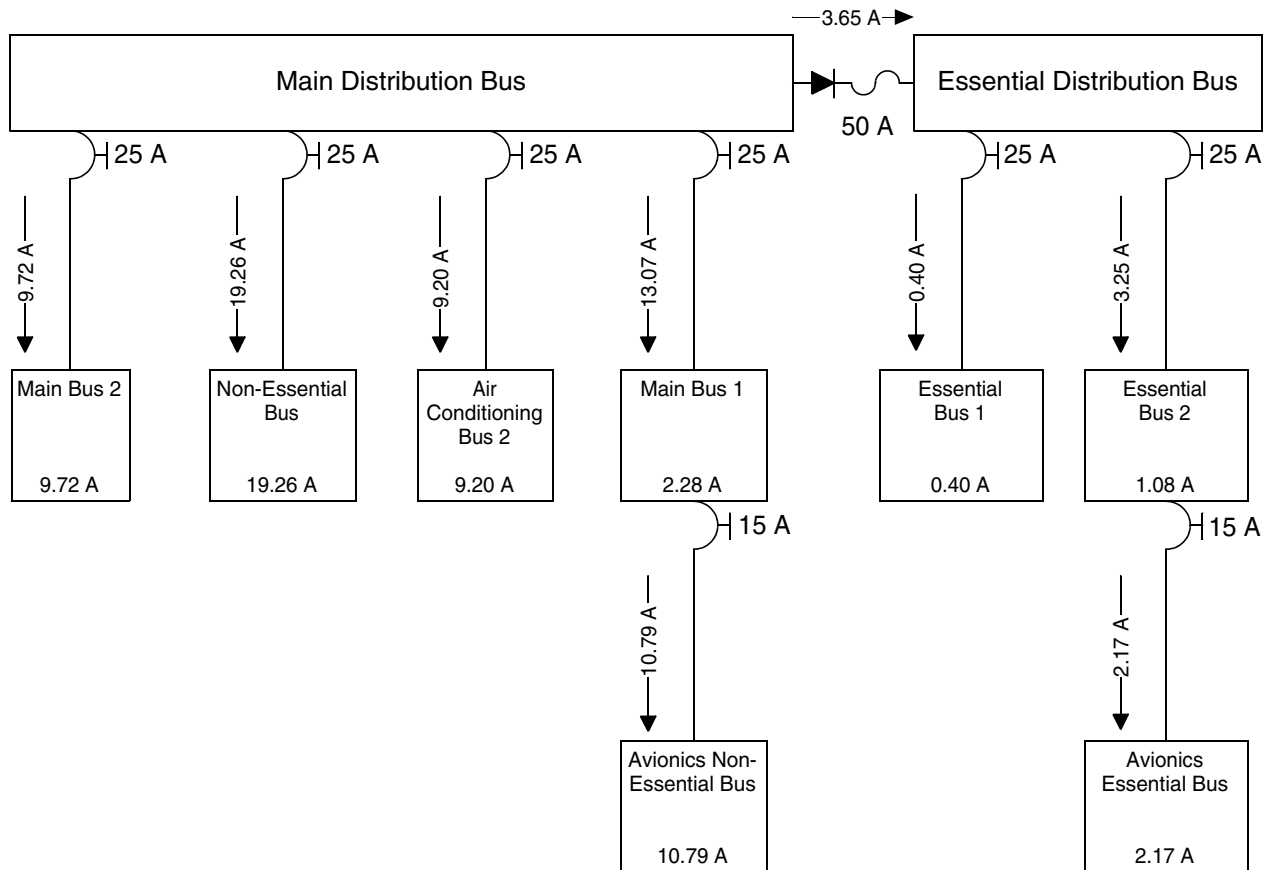


This figure depicts the system loading during normal system operation with alternator 1 and alternator 2 generating at nominal values. Note the diode between the Main Distribution Bus and the Essential Distribution Bus is reverse biased and therefore is not conducting current between buses. The circuit breaker rating is greater than the total load value so all circuit breakers and fuses are of adequate capacity.

WM15385-01

Figure 91-0018

Power Distribution: Normal Operation - Serials 1268 & subs w/o SRV & w/o Perspective Avionics



This figure depicts the system loading during operation with only alternator 1 generating at nominal values, as may occur during low RPM operation, or a failure of alternator 2. Note the diode between the Main Distribution Bus and the Essential Distribution Bus is forward biased and therefore is conducting current between buses. The circuit breaker rating is greater than the total load value so all circuit breakers and fuses are of adequate capacity.

WM15385-02

Figure 91-0019

Power Distribution: Alternator 1 Only - Serials 1268 & subs w/o SRV & w/o Perspective Avionics

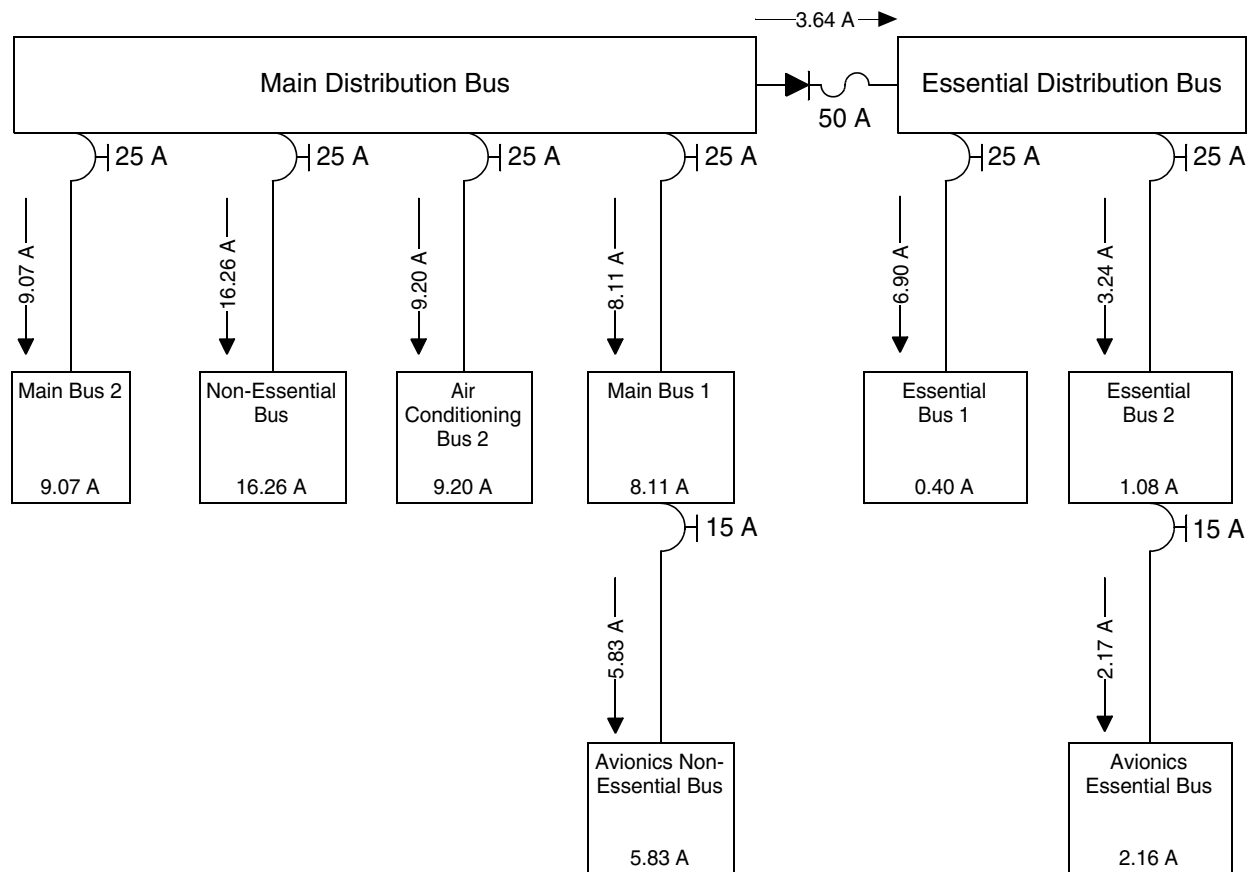
EFFECTIVITY:

Serials 1268 & subs w/o SRV & w/o Perspective Avionics

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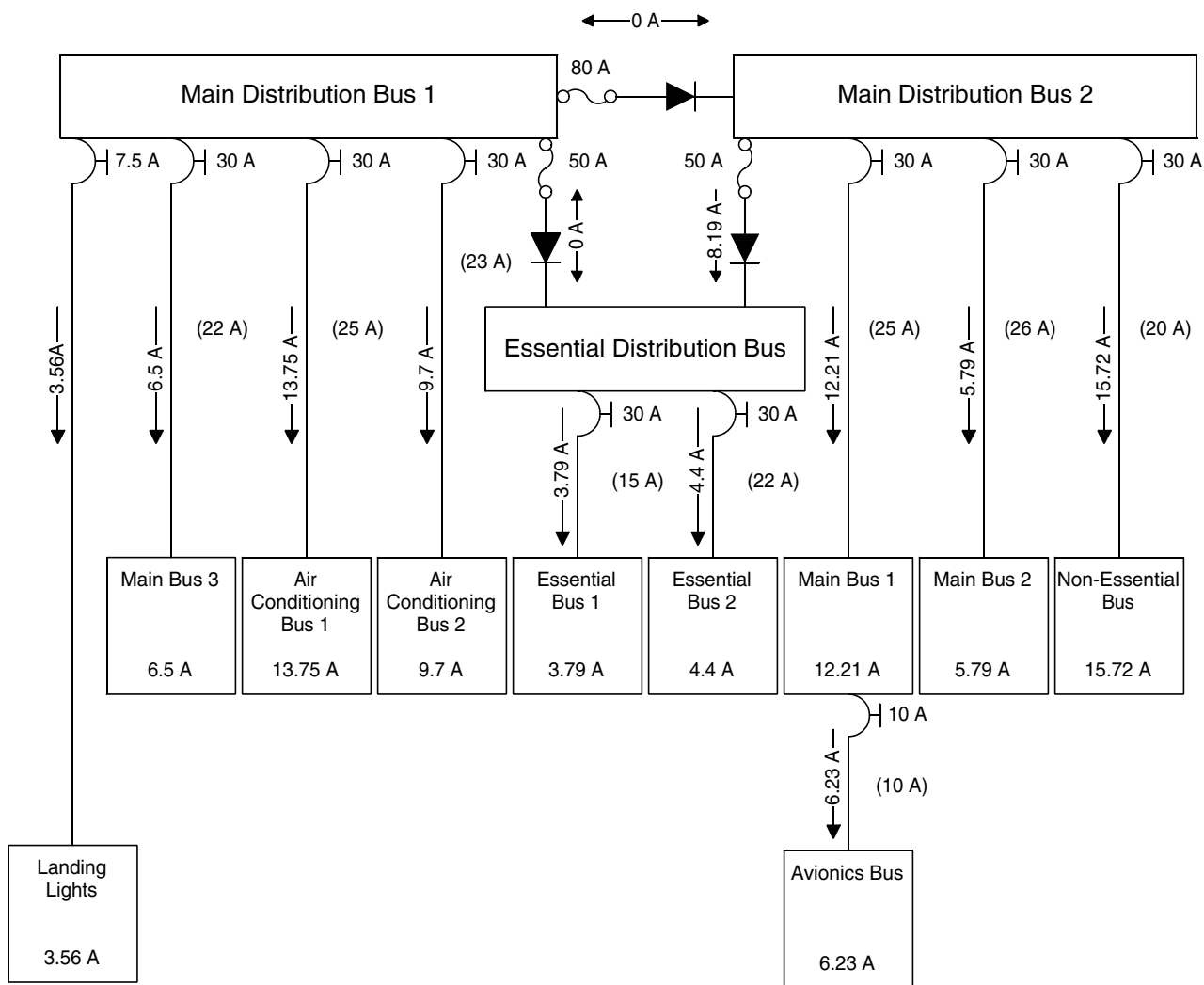
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This figure depicts the system loading during normal system operation with alternator 1 generating at its nominal value. Note the diode between the Main Distribution Bus and the Essential Distribution Bus is forward biased and therefore is conducting current between buses. The circuit breaker rating is greater than the total load value so all circuit breakers and fuses are of adequate capacity.

WM15746-01

Figure 91-0020
Power Distribution: Normal Operation - *Serials 1337 & subs w/ SRV*



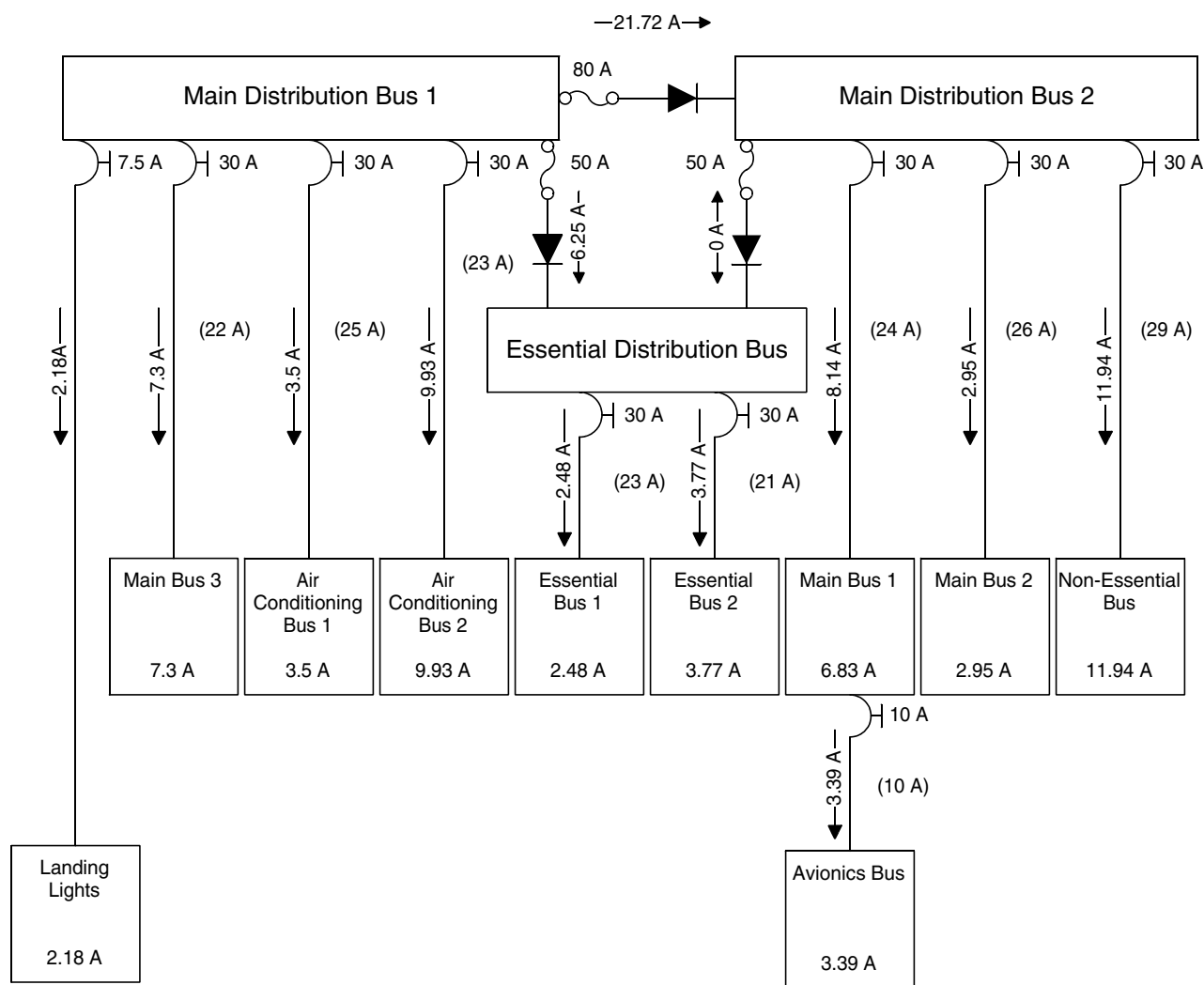
This figure depicts the system loading during normal system operation with alternator 1 and alternator 2 generating at nominal values. Note the diode between the Main Distribution Bus and the Essential Distribution Bus is reverse biased and therefore is not conducting current between buses. The circuit breaker rating is greater than the total load value so all circuit breakers and fuses are of adequate capacity.

WM18719_01A

Figure 91-0021
Power Distribution: Normal Operation - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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This figure depicts the system loading during operation with only alternator 1 generating at nominal values, as may occur during low RPM operation, or a failure of alternator 2. Note the diode between the Main Distribution Bus and the Essential Distribution Bus is forward biased and therefore is conducting current between buses. The circuit breaker rating is greater than the total load value so all circuit breakers and fuses are of adequate capacity.

WM18719_02

Figure 91-0022
Power Distribution: Alternator 1 Only - *Serials 2016 & subs w/ Perspective Avionics*

CONNECTOR, SWITCH, AND RELAY DATA

1. CONNECTOR DATA

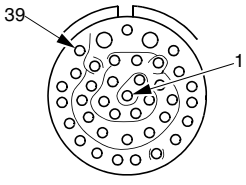
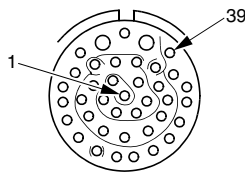
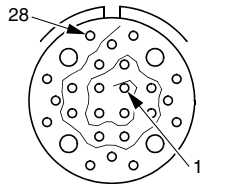
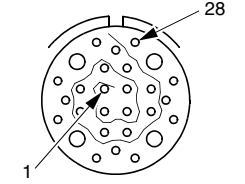
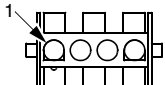
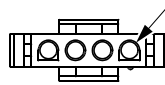
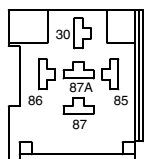
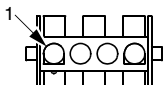
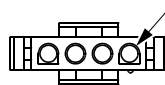
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J100  P100  SERIALS 1005 - 1267	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED NEAR UPPER PILOT SIDE CORNER OF FIREWALL	M83723/87G2039N	M83723/84K2039N
J100  P100  SERIALS 1268 & SUBS	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED NEAR UPPER PILOT SIDE CORNER OF FIREWALL	M83723/86G2028N	M83723/85K2028N
J101  P101 	OIL PRESSURE SENSOR TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED NEAR OIL TEMPERATURE SENSOR (AMM 79-30)	1-770209-1	770208-1
P102 	FUEL PRESSURE RELAY TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED ON CONSOLE STRUT NEAR DIMMER CIRCUIT CARD (AMM 33-10)	RELAY 0-332-209-204	3-334-485-008
J103  P103 	FUEL FLOW SENSOR TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON FUEL FLOW SENSOR (AMM 73-30)	1-770209-1	770208-1

Figure 91-101
Contact Data (Sheet 1 of 74)

CONNECTOR NUMBER		LOCATION	JACK P/N	PLUG P/N
J104	P104	FUEL PRESSUR SWITCH TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON FUEL PRESSURE SWITCH (AMM 73-20)	1-770209-1	770208-1
J105	P105	MANIFOLD PRESSURE SENSOR TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON MAP SENSOR (AMM 77-10)	1-770209-1	770208-1
J107	P107	TACH SENSOR TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON TACHOMETER SENSOR (AMM 77-10)	1-770209-1	770208-1
J108	P108	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON TOP SIDE OF MASTER CONTROL UNIT (AMM 21-30)	12045808	12065425 W/ 12124264 W/ 12048087
J109	P109	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON TOP SIDE OF MASTER CONTROL UNIT (AMM 21-30)	15300003	12040977 W/ 12034145 W/ 12010293
J110	P110	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED NEAR UPPER CENTER OF FIREWALL	M83723/85K2025N	M83723/86G2025N

SERIALS W/ SINGLE ALTERNATOR

Figure 91-101
Contact Data (Sheet 2 of 74)

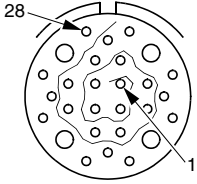
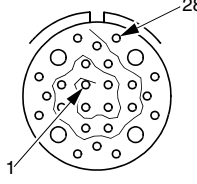
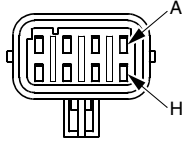
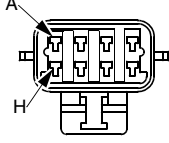
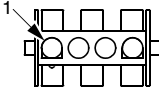
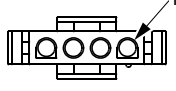
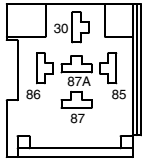
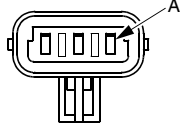
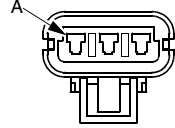
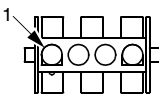
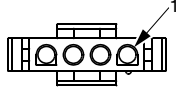
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J110  P110  SERIALS W/ DUAL ALTERNATORS	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED NEAR UPPER CENTER OF FIREWALL	M83723/85K2028N	M83723/86G2028N
J111  P111 	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON TOP SIDE OF MASTER CONTROL UNIT (AMM 21-30)	12047936	
J112  P112 	FUEL PUMP TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON ELECTRIC FUEL PUMP (AMM 28-20)	1-770209-1	770208-1
P114 	BACKUP VACUUM PUMP RELAY TO FIREWALL POWER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS BACKUP VACUUM PUMP (AMM 37-10) LOCATED ON BACKUP VACUUM PUMP	RELAY 0-332-209-204	3-334-485-008
J115  P115 	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON TOP SIDE OF MASTER CONTROL UNIT (AMM 21-30)	15300003	12040977
J116  P116 	LANDING LIGHT BALLAST TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE LOWER COWLING (AMM 33-40)	1-480703-0	1-480702-0

Figure 91-101
Contact Data (Sheet 3 of 74)

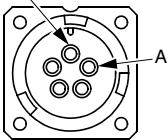
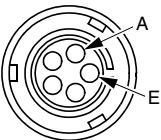
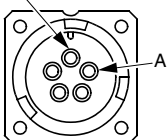
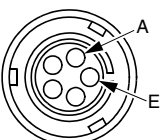
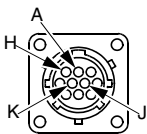
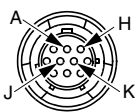
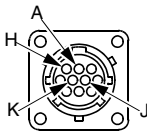
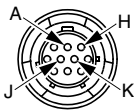
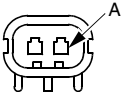
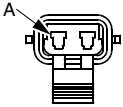
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J125 	ALTERNATOR 2 TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON ALTERNATOR 2 (AMM 33-40)	410-225-9	
J135  P135 	MCU TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MCU (AMM 24-30)	81H6010	81H6135
J136  P136 	MCU TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MCU (AMM 24-30)	81H6010	81H6135
J137  P137 	MCU TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MCU (AMM 24-30)	85C4111	85C4132
J138  P138 	MCU TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MCU (AMM 24-30)	85C4111	85C4132
J152  P152 	CHT 1 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027

Figure 91-101
Contact Data (Sheet 4 of 74)

CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J152  P152  SERIALS W/ PERSPECTIVE	CHT 1 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J153  P153 	CHT 2 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J153  P153  SERIALS W/ PERSPECTIVE	CHT 2 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J154  P154 	CHT 3 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J154  P154  SERIALS W/ PERSPECTIVE	CHT 3 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J155  P155 	CHT 4 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027

Figure 91-101
Contact Data (Sheet 5 of 74)

EFFECTIVITY:
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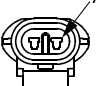
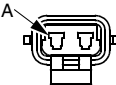
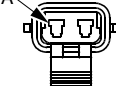
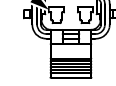
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J155  P155  SERIALS W/ PERSPECTIVE	CHT 4 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J156  P156 	CHT 5 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J156  P156  SERIALS W/ PERSPECTIVE	CHT 5 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J157  P157 	CHT 6 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J157  P157  SERIALS W/ PERSPECTIVE	CHT 6 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE CYLINDER HEAD TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J158  P158 	EGT 1 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027

Figure 91-101
Contact Data (Sheet 6 of 74)

CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J158  P158  SERIALS W/ PERSPECTIVE	EGT 1 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J159  P159 	EGT 2 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J159  P159  SERIALS W/ PERSPECTIVE	EGT 2 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J160  P160 	EGT 2 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J160  P160  SERIALS W/ PERSPECTIVE	EGT 3 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J161  P161 	EGT 4 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027

Figure 91-101
Contact Data (Sheet 7 of 74)

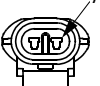
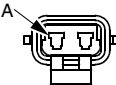
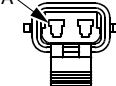
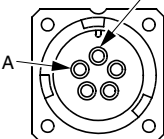
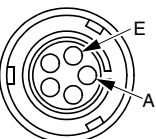
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J161  P161  SERIALS W/ PERSPECTIVE	EGT 4 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J162  P162 	EGT 5 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J162  P162  SERIALS W/ PERSPECTIVE	EGT 5 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON CO-PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J163  P163 	EGT 6 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	15300002	15300027
J163  P163  SERIALS W/ PERSPECTIVE	EGT 6 TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE EXHAUST GAS TEMPERATURE SENSOR (AMM 77-20)	12162000	12052641
J180  P180 	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MASTER CONTROL UNIT (AMM 21-30)	GTC02R18-11P	GTC06F18-11S

Figure 91-101
Contact Data (Sheet 8 of 74)

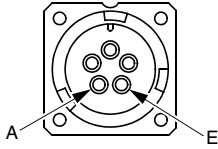
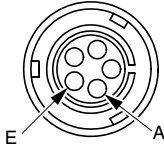
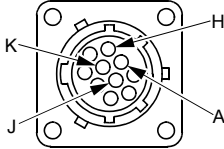
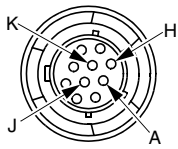
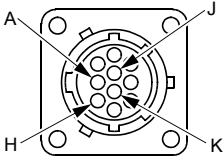
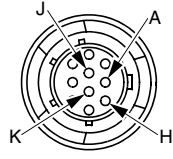
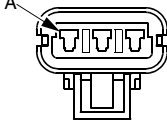
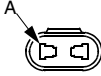
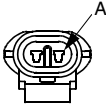
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J181  P181 	MCU TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MASTER CONTROL UNIT (AMM 21-30)	GTC02R18-11PX	GTC06F18-11SX
J182  P182 	MCU TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MASTER CONTROL UNIT (AMM 21-30)	MS3122E12-10PX	MS3126F12-10SX
J183  P183 	MCU TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON BOTTOM SIDE OF MASTER CONTROL UNIT (AMM 21-30)	MS3122E12-10P	MS3126F12-10S
P203 	OIL TEMP SENSOR TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON OIL TEMPERATURE SENSOR (AMM 79-30)		12110293
P235 	LANDING LIGHT BALLAST TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON PILOT SIDE LOWER COWLING (AMM 33-40)		12059181
P237 	LANDING LIGHT TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON ENGINE COWL MOUNTED LANDING LIGHT (AMM 33-40)		12052641

Figure 91-101
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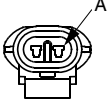
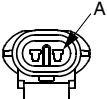
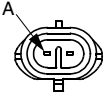
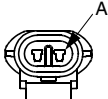
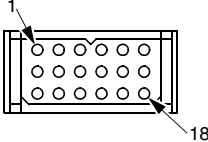
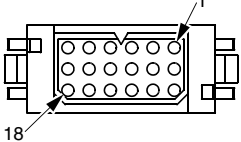
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P238 	LANDING LIGHT TO FIREWALL FORWARD PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON ENGINE COWL MOUNTED LANDING LIGHT (AMM 33-40)		12052641
P245 	GASCOLATOR TO FIREWALL FORWARD CO-PILOT HARNESS TO ACCESS REMOVE ENGINE COWLING (AMM 71-10) LOCATED ON GASCOLATOR (AMM 28-20)		12052641
J246 	P246 	12162000	12052641
J300 	P300 	PLC18M0000	PLC18F00820
J301 	LEFT WINGTIP STROBE LIGHT TO LEFT WING HARNESS TO ACCESS REMOVE LEFT WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	1-480305-0	INSTR 1-480303-0
P302 	LEFT WINGTIP NAV LIGHTS TO LEFT WING HARNESS TO ACCESS REMOVE LEFT WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	INSTR 1-480305-0	1-480303-0
P303 	PITOT HEATER TO LEFT WING HARNESS TO ACCESS REMOVE LEFT WINGTIP (AMM 57-20) LOCATED IN PITOT MAST (AMM 34-10)		AN3115-1 (INCL W/ INST)
J304 	P304 	1-480305-0	1-480303-0

Figure 91-101
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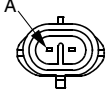
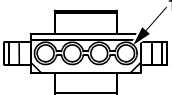
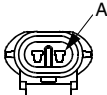
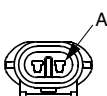
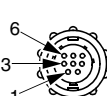
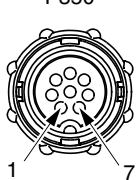
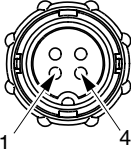
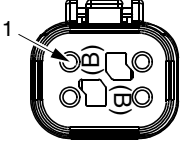
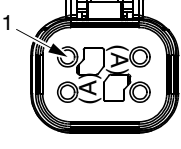
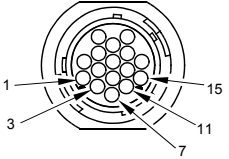
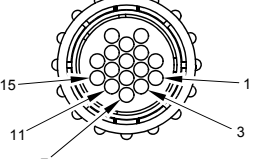
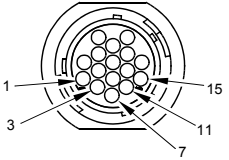
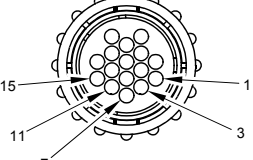
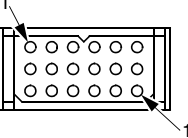
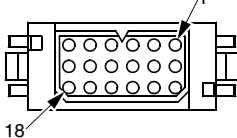
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J305  P305 	LEFT WINGTIP HARNESS SHIELDING TO GROUND TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	794012-1	1-480720-0
J316 	LH BRAKE TEMP SENSOR TO LEFT WING AFT HARNESS TO ACCESS REMOVE LOWER WHEEL FAIRING (AMM 32-10) LOCATED ON BRAKE CALIPER (AMM 32-42)	12162000	
P319 	LEFT WINGTIP RECOGNITION LIGHT TO LEFT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20) NEAR WINGTIP LIGHTS (AMM 33-40)		1-480425-0
P323 	LH FUEL LEVEL SENDER INBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW5 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		12052641
P324 	LH FUEL LEVEL SENDER OUTBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		12052641
P325 	LEFT WINGTIP NAV/STROBE LIGHT TO LEFT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20) NEAR WINGTIP LIGHTS (AMM 33-40)		205838-1
P350 	LH FUEL LEVEL SENDER INBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW5 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		EN3C8FCKX

Figure 91-101
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EFFECTIVITY:
All

CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P351 	LH FUEL LEVEL SENDER OUTBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		EN3C4FCKX
P353 	LH FUEL LEVEL SENDER INBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW5 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		DT06-4S-CE04
P354 	LH FUEL LEVEL SENDER OUTBOARD TO LEFT WING HARNESS TO ACCESS REMOVE ACCESS PANEL LW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL		DT06-4S-CE04
J370 	P370 	LEFT WINGTIP INTERCONNECT TO LEFT WING HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	PLC24M0000 PLC24F0000
J371 	P371 	LEFT WINGTIP INTERCONNECT TO LEFT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	206036-5 206037-1
J400 	P400 	RIGHT WING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	PLC18M0000 PLC18F00820

SERIALS 1005 & SUBS W/O PERSPECTIVE

Figure 91-101
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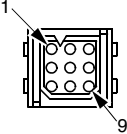
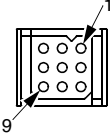
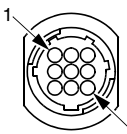
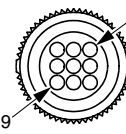
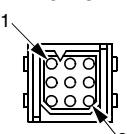
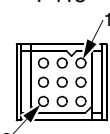
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J400  P400  SERIALS 2016 & SUBS W/ PERSPECTIVE	RIGHT WING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	PLC9M0000	PLC09F0000
J401 	RIGHT WINGTIP STROBE LIGHT TO RIGHT WING HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	1-480305-0	INSTR 1-480303-0
P402 	RIGHT WINGTIP NAV LIGHTS TO RIGHT WING HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	INSTR 1-480305-0	1-480303-0
J403  P403 	FLUX DETECTOR TO RIGHT WING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLUX DETECTOR (AMM 34-50) LOCATED ON FLUX DETECTOR	INSTR	W/INST 206708-1
J405  P405 	RIGHT WINGTIP HARNESS SHIELDING TO GROUND TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	794012-1	1-480720-0
J413  P413 	RIGHT WING AFT HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	PLC9M0000	PLC09F0000
P415 	MAGNETOMETER TO RIGHT WING MAG/OAT HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED ON MAGNETOMETER (AMM 34-20)		MS3126F12-10S

Figure 91-101
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EFFECTIVITY:
All

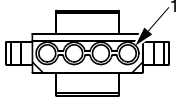
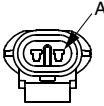
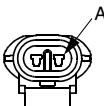
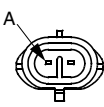
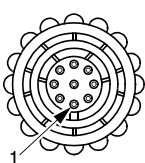
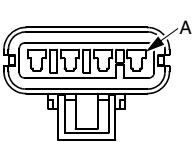
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P419 	RIGHT WINGTIP RECOGNITION LIGHT TO RIGHT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20) NEAR WINGTIP LIGHTS (AMM 33-40)		1-480425-0
P423 	RH FUEL LEVEL SENDER INBOARD TO RIGHT WING HARNESS ACCESS BY REMOVING ACCESS PANEL RW5 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		12052641
P424 	RH FUEL LEVEL SENDER OUTBOARD TO RIGHT WING HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		12052641
J427 	RH BRAKE TEMP SENSOR TO RIGHT WING AFT HARNESS TO ACCESS REMOVE LOWER WHEEL FAIRING (AMM 32-10) LOCATED ON BRAKE CALIPER (AMM 32-42)	12162000	
P430 	MAG 1 TO MAG/OAT HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL NEAR MAG 1 (AMM 34-20)		011-00871-00
P431 	OAT 1 TO MAG/OAT HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL NEAR OAT 1 (AMM 34-10)		12162144

Figure 91-101
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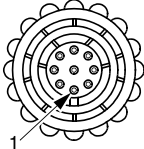
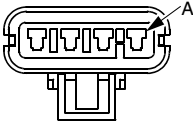
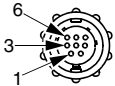
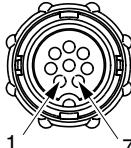
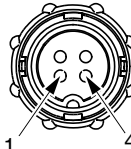
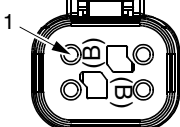
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P432 	MAG 2 TO MAG/OAT HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL NEAR MAG 2 (AMM 34-20)		011-00871-00
P433 	OAT 2 TO MAG/OAT HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL NEAR OAT 2 (AMM 34-10)		12162144
P439 	RIGHT WINGTIP NAV/STROBE LIGHT TO RIGHT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20) NEAR WINGTIP LIGHTS (AMM 33-40)		205838-1
P450 	RH FUEL LEVEL SENDER INBOARD TO RIGHT WING HARNESS ACCESS BY REMOVING ACCESS PANEL RW5 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		EN3C8FCKX
P451 	RH FUEL LEVEL SENDER OUTBOARD TO RIGHT WING HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		EN3C4FCKX
P453 	RH FUEL LEVEL SENDER INBOARD TO RIGHT WING HARNESS ACCESS BY REMOVING ACCESS PANEL RW5 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		DT06-4S-CE04

Figure 91-101
Contact Data (Sheet 15 of 74)

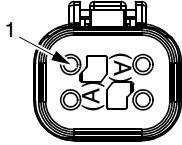
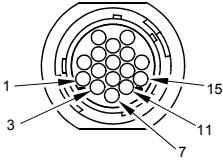
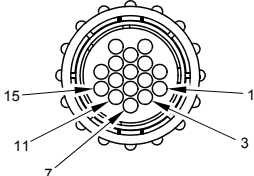
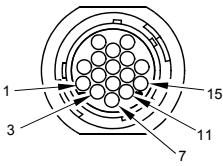
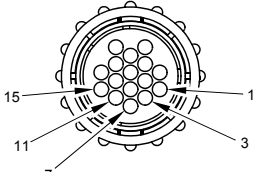
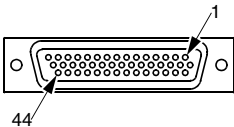
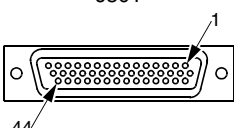
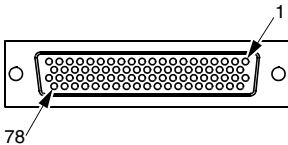
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P454 	RH FUEL LEVEL SENDER OUTBOARD TO RIGHT WING HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED NEAR FUEL LEVEL SENDER (AMM 28-40)		DT06-4S-CE04
J470  P470 	RIGHT WINGTIP INTERCONNECT TO LEFT WING HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	PLC18M0000	PLC18F0000
J471  P471 	RIGHT WINGTIP INTERCONNECT TO LEFT WINGTIP LIGHTS HARNESS TO ACCESS REMOVE WINGTIP (AMM 57-20) LOCATED INSIDE WINGTIP (AMM 57-20)	206036-5	206037-1
J500 	AUDIO PANEL TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	PART OF RADIO	PART OF TRAY
J501 	AUDIO PANEL TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	PART OF RADIO	PART OF TRAY
J503 	GPS 1 RADIO TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GPS 1 RADIO (AMM 34-50) LOCATED ON GPS 1 RADIO	PART OF RADIO	PART OF TRAY

Figure 91-101
Contact Data (Sheet 16 of 74)

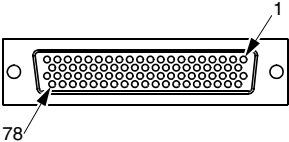
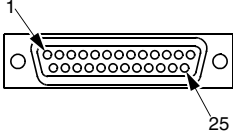
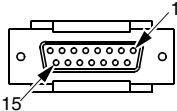
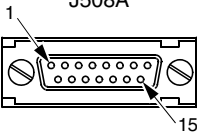
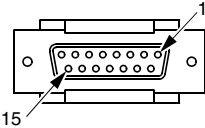
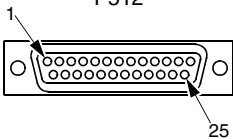
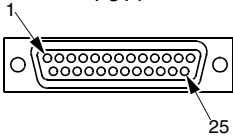
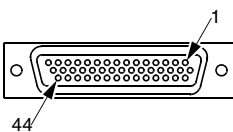
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J505 	GPS 2 RADIO TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GPS 2 RADIO (AMM 34-50) LOCATED ON GPS 2 RADIO	PART OF RADIO	PART OF TRAY
P507 	TRANSPONDER TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE TRANSPONDER (AMM 34-50) LOCATED ON TRANSPONDER	PART OF RADIO	PART OF TRAY
P508 	ALTITUDE ENCODER TO RADIO MODULE ASSEMBLY HARNESS ACCESS ENCODER BY OPENING CIRCUIT BREAKER PANEL (AMM 24-50) LOCATED ON ALTITUDE ENCODER (AMM 34-10)		205205-2
J508A  P508A 	ALTITUDE ENCODER TO RADIO MODULE ASSEMBLY HARNESS ACCESS ENCODER BY OPENING CIRCUIT BREAKER PANEL (AMM 24-50) LOCATED ON ALTITUDE ENCODER (AMM 34-10)	RD15M0S50V5Z	RD15F00JVLX
P512 	GNS 430 TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED ON GNS 430	PART OF RADIO	PART OF TRAY
P514 	GNS 430 TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED ON GNS 430	PART OF RADIO	PART OF TRAY
J515 	GNS 430 TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED ON GNS 430	PART OF RADIO	PART OF TRAY (57-20240-96-45)

Figure 91-101
Contact Data (Sheet 17 of 74)

EFFECTIVITY:
All

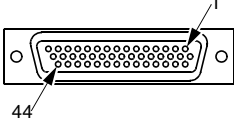
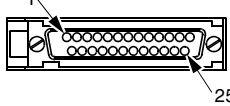
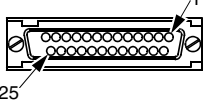
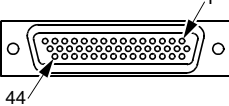
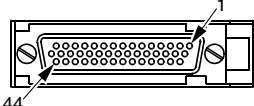
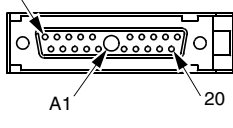
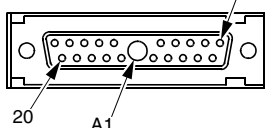
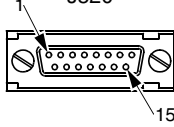
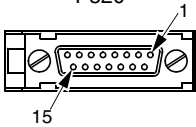
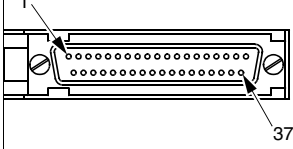
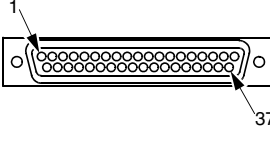
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J516 	GNS 430 TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED ON GNS 430	PART OF RADIO	PART OF TRAY (57- 20240-96-45)
J517  P517  SERIALS 1005 - 1178	RADIO MODULE ASSEMBLY HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED FORWARD OF GNS 430	RD25M00JVLZ	RD25F0S50V5X
J517  P517  SERIALS 1179 & SUBS	RADIO MODULE ASSEMBLY HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED FORWARD OF GNS 430	DD44M00JVLZ	DD44F000V50
J518  P518 	RADIO MODULE ASSEMBLY HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE GNS 430 (AMM 34-50) LOCATED FORWARD OF GNS 430	CBC21W1M00JVLZ	CBC21W1F0S50V5X
J520  P520 	RADIO MODULE ASSEMBLY HARNESS TO CIRCUIT BREAKER PANEL HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	RD15M0S50V5Z	RD15F00JVLX
J521  P521 	RADIO MODULE ASSEMBLY HARNESS TO AUDIO ASSEMBLY HARNESS TO ACCESS REMOVE AUDIO PANEL (AMM 23-50) OR REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD OF AUDIO PANEL	RD37M00JVLZ	RD37F0S50V5X

Figure 91-101
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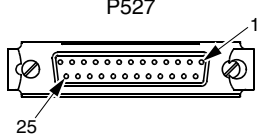
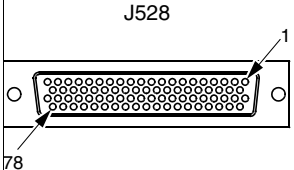
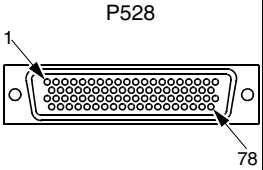
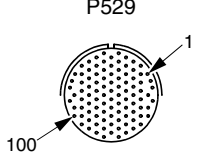
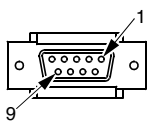
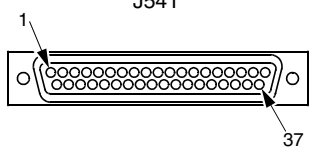
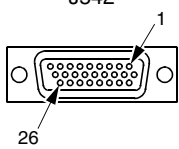
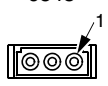
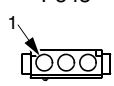
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
	VOR/LOC INDICATOR TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE VOR/LOC INDICATOR (AMM 34-50) LOCATED ON VOR/LOC INDICATOR	INSTR	RD25F00J00X
 	MFD TO NAVIGATION HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED ON MFD	DD78M000T0	DD78F00GE0
	MFD TO NAVIGATION HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED ON MFD	INSTR	
	CONVENIENCE POWER CIRCUIT CARD TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS CONVENIENCE POWER CIRCUIT CARD (AMM 24-50) LOCATED NEAR CONVENIENCE POWER CIRCUIT CARD	747250-6	205203-3
	GPS 2 RADIO TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GPS 2 RADIO (AMM 34-50) LOCATED ON GPS 2 RADIO		INSTR
	GPS 2 RADIO TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GPS 2 RADIO (AMM 34-50) LOCATED ON GPS 2 RADIO	DD26M00000	
 	28-14V CONVERTER TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	1-480305-0	1-480303-0

Figure 91-101
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EFFECTIVITY:
All

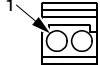
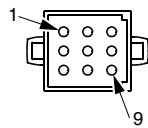
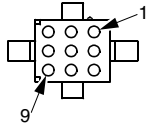
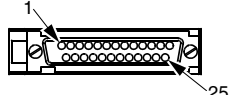
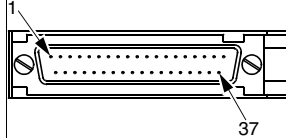
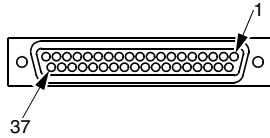
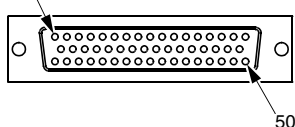
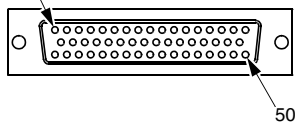
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J545  P545 	RADIO MODULE ASSEMBLY COOLING FAN TO CIRCUIT BREAKER PANEL HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	794012-1	1-480720-0
J546  P546 	SANDEL HSI HARNESS TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED ON TOP SIDE OF RADIO MODULE ASSEMBLY	1-480277-0	1-480274-0
P548 	REMOTE GYRO TO SANDEL HSI HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) ON REMOTE GYRO (AMM 34-50)		RD25F00JVLX
J550  P550 	SYSTEM 55X AUTOPILOT HARNESS TO AUTOPILOT ASSEMBLY HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	RD37M00JVLZ	RD37F0S50V5X
P551 	SYSTEM 55X AUTOPILOT TO SYSTEM 55X AUTOPILOT HARNESS TO ACCESS REMOVE SYSTEM 55X AUTOPILOT FLIGHT GUIDANCE PROGRAM COMPUTER (AMM 22-11) LOCATED ON SYSTEM 55X AUTOPILOT FLIGHT GUIDANCE PROGRAM COMPUTER	INSTR	PART OF TRAY(RD50F00000)
P552 	SYSTEM 55X AUTOPILOT TO SYSTEM 55X AUTOPILOT HARNESS TO ACCESS REMOVE SYSTEM 55X AUTOPILOT FLIGHT GUIDANCE PROGRAM COMPUTER (AMM 22-11) LOCATED ON SYSTEM 55X AUTOPILOT FLIGHT GUIDANCE PROGRAM COMPUTER	INSTR	PART OF TRAY(RD50F00000)

Figure 91-101
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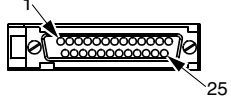
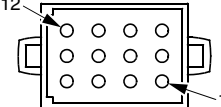
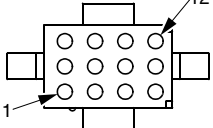
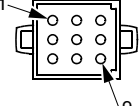
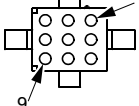
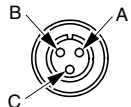
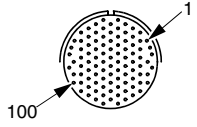
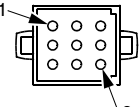
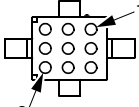
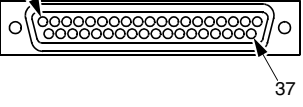
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P555 	SELECTOR/ALERter ALTITUDE TO AUTOPILOT ASSEMBLY HARNESS TO ACCESS REMOVE SELECTOR/ALERter (AMM 22-11) LOCATED ON SELECTOR/ ALERter	INSTR MD25M59B70V30	RD25F00JVLX
J556  P556 	SKYWATCH HARNESS TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED ON TOP SIDE OF RADIO MODULE ASSEMBLY	1-480277-0	1-480274-0
J557  P557 	HSI HARNESS TO SKYWATCH HARNESS TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) BETWEEN HSI SLAVE AMP AND SKYWATCH UNIT (AMM 34-40)	1-480277-0	1-480274-0
P558 	TRAFFIC TRC UNIT TO SKYWATCH HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS TRAFFIC TRC UNIT (AMM 34-40) LOCATED ON TRAFFIC TRC UNIT		MS3126F12-3S
P559 	TRAFFIC TRC UNIT TO SKYWATCH HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS TRAFFIC TRC UNIT (AMM 34-40) LOCATED ON TRAFFIC TRC UNIT		JD38999/26FH35SN
J562  P562 	STORMSCOPE HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	1-480277-0	1-480274-0
P563 	XMD RECEIVER TO XM WEATHER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS XMD RECEIVER UNIT (AMM 34-50) LOCATED ON XMD RECEIVER UNIT		205209-2

Figure 91-101
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EFFECTIVITY:
All

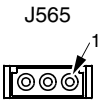
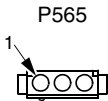
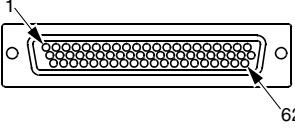
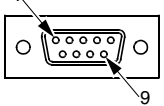
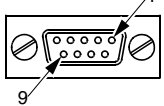
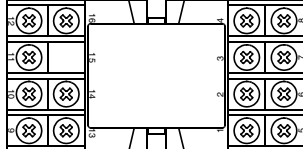
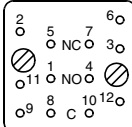
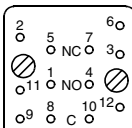
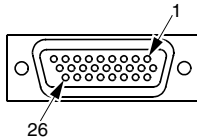
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
 	GTX 327 TRANSPONDER TO GNS 430 GPS UNITS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	1-480305-0	1-480303-0
	GTX 330 TRANSPONDER TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE GTX 330 TRANSPONDER (AMM 34-50) LOCATED ON GTX 330 TRANSPONDER	PART OF RADIO	PART OF TRAY
 	FLIGHT DIRECTOR HARNESS TO RADIO MODULE ASSEMBLY HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	205204-4	205204-3
	FLIGHT DIRECTOR HARNESS RELAY TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) OR USING PROCEDURE TO ACCESS RELAY (AMM 22-11) LOCATED ON UPPER INSIDE OF OUTER PILOT SIDE CONSOLE RIB		27E166
	FLIGHT DIRECTOR SWITCH TO FLIGHT DIRECTOR HARNESS TO ACCESS REMOVE FLIGHT DIRECTOR SWITCH (AMM 22-11) LOCATED ON UPPER INSIDE OF OUTER PILOT SIDE CONSOLE RIB		992331-A154263333
	FLIGHT DIRECTOR SWITCH TO FLIGHT DIRECTOR HARNESS TO ACCESS REMOVE FLIGHT DIRECTOR SWITCH (AMM 22-11) LOCATED ON UPPER INSIDE OF OUTER PILOT SIDE CONSOLE RIB		992331-A154262222
	PFD TO NAVIGATION HARNESS TO ACCESS REMOVE PFD (AMM 31-60) LOCATED ON PFD		ODD26F10GE0

Figure 91-101
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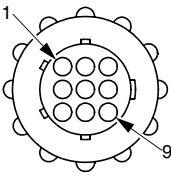
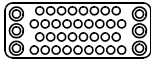
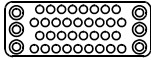
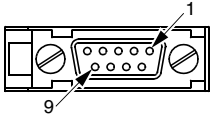
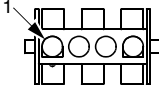
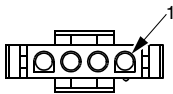
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P601 	VOLT/AMP METER TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE VOLT/AMP METER (AMM 24-30) LOCATED ON VOLT/AMP METER	INSTR 206705-2	206708-1
P602 	GROUND PLATE (CABIN) TO GROUND BUS BAR (ENGINE COMPARTMENT) TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON FIREWALL	SK2664 GROUND PLATE	GMCT34F0E0000-275.4
P603 	GROUND PLATE (CABIN) TO GROUND BUS BAR (ENGINE COMPARTMENT) TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED ON FIREWALL	SK2664 GROUND PLATE	GMCT34F0E0060-275.4
P604 	CLOCK TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE CLOCK (AMM 34-10) LOCATED ON CLOCK	INSTR MD9M3200V30	RD9F00JVLX
J605  P605 	CLOCK INTERCONNECT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE CLOCK (AMM 34-10) LOCATED ON CLOCK	1-480703-0	1-480702-0
J606  P606 	FUSELAGE FORWARD HARNESS TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD (AMM 21-20)	794012-1	1-480720-0
J607  P607 	DC/AC INVERTER TO HSI HARNESS TO ACCESS REMOVE ACCESS PANEL CF2R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) NEAR GYRO SLAVING AMP (AMM 34-50)	794012-1	1-480720-0

Figure 91-101
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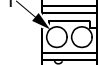
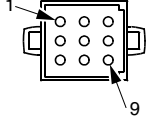
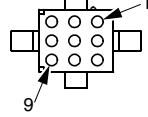
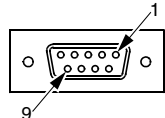
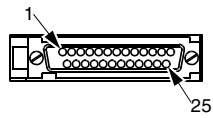
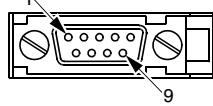
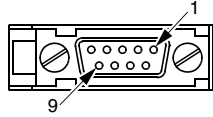
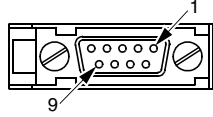
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J608  P608 	DC/AC INVERTER TO HSI HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) NEAR GYRO SLAVING AMP CONNECTOR (AMM 34-50)	794012-1	1-480720-0
J609  P609 	SENSOR INTERFACE UNIT HARNESS TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) LOCATED ON CO-PILOT SIDE KICK PLATE	1-480277-0	1-480274-0
P610 	FUEL PRIME CIRCUIT TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD	747250-6	205203-3
P611 	GPSS 429 CONVERTER TO AUTOPILOT HARNESS TO ACCESS REMOVE GLARESHIELD (AMM 25-10) LOCATED ON GPSS 429 CONVERTER (AMM 22-10)		RD25F00JVLX
J612 	GPSS 429 CONVERTER TO AUTOPILOT HARNESS TO ACCESS REMOVE GLARESHIELD (AMM 25-10) LOCATED ON GPSS 429 CONVERTER (AMM 22-10)	RD9M00JVLX	
P613 	REMOTE GPSS SWITCH TO AUTOPILOT HARNESS TO ACCESS REMOVE GLARESHIELD (AMM 25-10) LOCATED ON REMOTE GPSS SWITCH (AMM 22-10)		RD9F00JVLX
P615 	AUTOPILOT DISCONNECT BOX TO AUTOPILOT HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) LOCATED ON AUTOPILOT DISCONNECT BOX		RD9F00JVLX

Figure 91-101
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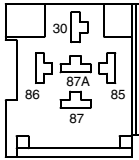
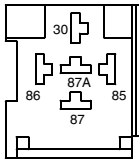
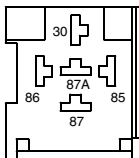
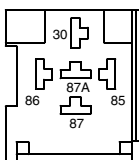
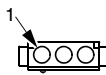
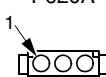
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P616 	ALTERNATOR 2 RELAY TO BOLSTER SWITCH PANEL TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS UNDERSIDE OF BOLSTER SWITCH PANEL (AMM 24-50) LOCATED ON BOLSTER SWITCH PANEL	RELAY 0-332-209-204	3-334-485-008
P617 	ALTERNATOR 1 RELAY TO BOLSTER SWITCH PANEL TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS UNDERSIDE OF BOLSTER SWITCH PANEL (AMM 24-50) LOCATED ON BOLSTER SWITCH PANEL	RELAY 0-332-209-204	3-334-485-008
P618 	NAV LIGHTS RELAY TO BOLSTER SWITCH PANEL TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS UNDERSIDE OF BOLSTER SWITCH PANEL (AMM 24-50) LOCATED ON BOLSTER SWITCH PANEL	RELAY 0-332-209-204	3-334-485-008
P619 	STROBE LIGHTS RELAY TO BOLSTER SWITCH PANEL TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS UNDERSIDE OF BOLSTER SWITCH PANEL (AMM 24-50) LOCATED ON BOLSTER SWITCH PANEL	RELAY 0-332-209-204	3-334-485-008
J620  P620 	RADIO MODULE ASSEMBLY HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	1-480305-0	1-480303-0
J620B  P620A 	RADIO MODULE ASSEMBLY HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 21-20) LOCATED FORWARD OF RADIO MODULE ASSEMBLY	1-480305-0	1-480303-0

Figure 91-101
Contact Data (Sheet 25 of 74)

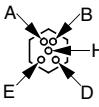
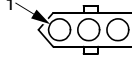
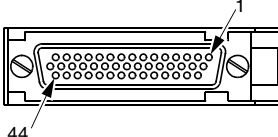
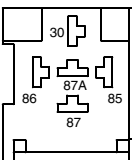
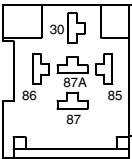
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P622 	DIRECTIONAL GYRO TO AUTOPILOT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DIRECTIONAL GYRO (AMM 34-20) LOCATED ON DIRECTIONAL GYRO	INSTR 126-216	126-223
P623 	ALTITUDE TRANSDUCER TO PITCH COMPUTER TO ACCESS REMOVE MFD (AMM 31-60) TO ACCESS ALTITUDE TRANSDUCER (AMM 22-10) LOCATED ON ALTITUDE TRANSDUCER	INSTR 03-09-1032	03-09-1032
P624 	ALTITUDE TRANSDUCER TO PITCH COMPUTER TO ACCESS REMOVE MFD (AMM 31-60) TO ACCESS PITCH COMPUTER (AMM 22-10) LOCATED ON PITCH COMPUTER	INSTR DFDA44M50F0X	DD44F00JVLX
P626 	PITOT HEAT CURRENT SENSOR ON FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED FORWARD OF FLAPS CONTROL PANEL (AMM 27-50)	INSTR	102241-1
P627 	AVIONICS RELAY 1 TO CIRCUIT BREAKER PANEL HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD SIDE OF CIRCUIT BREAKER PANEL (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008
P628 	AVIONICS RELAY 2 TO CIRCUIT BREAKER PANEL HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD SIDE OF CIRCUIT BREAKER PANEL (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008

Figure 91-101
Contact Data (Sheet 26 of 74)

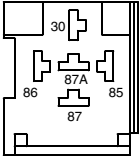
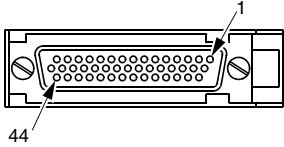
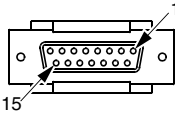
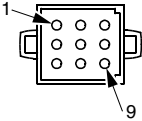
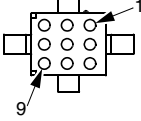
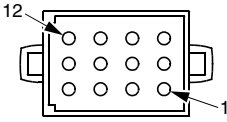
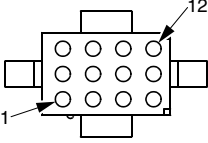
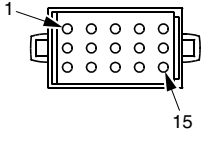
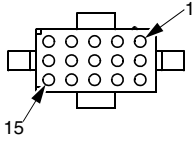
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P629 	AVIONICS RELAY 2 TO CIRCUIT BREAKER PANEL HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD SIDE OF CIRCUIT BREAKER PANEL (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008
P630 	TURN COORDINATOR TO AUTOPILOT ASSEMBLY HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) TO ACCESS TURN COORDINATOR (AMM 22-10) LOCATED ON TURN COORDINATOR	INSTR DFDA44M50F0X	DD44F00JVLX
P631 	FLAP CIRCUIT CARD ASSEMBLY TO MID FUSELAGE POWER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP CIRCUIT CARD (AMM 27-50) LOCATED ON FLAP CIRCUIT CARD ASSEMBLY	747236-6	205205-2
J632  P632  SERIALS 1005 - 1581	FLAP CIRCUIT CARD ASSEMBLY TO MID FUSELAGE POWER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP CIRCUIT CARD (AMM 27-50) LOCATED ON FLAP CIRCUIT CARD ASSEMBLY	1-480277-0	1-480274-0
J632  P632  SERIALS 1582 - 1885	FLAP SWITCH ASSEMBLY TO MID FUSELAGE POWER HARNESS TO ACCESS REMOVE RH MID CONSOLE TRIM (AMM 25-10) TO ACCESS FLAP SWITCH ASSEMBLY (AMM 27-50) LOCATED ON FLAPS SWITCH ASSEMBLY	1-480278-0	1-480275-0
J632  P632  SERIALS 1886 & SUBS	FLAP SWITCH ASSEMBLY TO MID FUSELAGE POWER HARNESS TO ACCESS REMOVE RH MID CONSOLE TRIM (AMM 25-10) TO ACCESS FLAP SWITCH ASSEMBLY (AMM 27-50) LOCATED ON FLAPS SWITCH ASSEMBLY	1-480324-0	1-480323-0

Figure 91-101
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EFFECTIVITY:
All

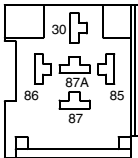
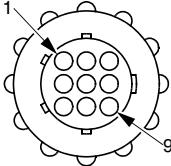
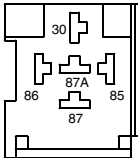
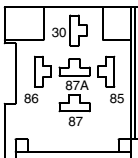
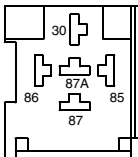
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P633 	HOBBS METER #1 RELAY TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED NEAR FORWARD TRANSIENT VOLTAGE SUPPRESSOR (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008
J634  P634 	PITCH TRIM MOTOR TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANELS RE1, RE2 AND LE1 (AMM 6-00) LOCATED NEAR PITCH TRIM MOTOR (AMM 27-30)	1-480305-0	1-480303-0
P635 	FUEL QUANTITY GAUGE TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE RH MID CONSOLE TRIM (AMM 25-10) TO ACCESS FUEL QUANTITY GAUGE (AMM 28-40) LOCATED ON FUEL QUANTITY GAUGE	INSTR 206705-2	206708-1
P636 	PITCH DOWN TRIM RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS PITCH RELAYS (AMM 27-30) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008
P637 	PITCH DOWN TRIM RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS PITCH RELAYS (AMM 27-30) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008
P638 	ROLL LEFT TRIM RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ROLL TRIM RELAYS (AMM 27-30) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008

Figure 91-101
Contact Data (Sheet 28 of 74)

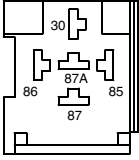
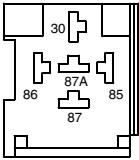
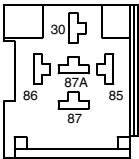
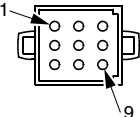
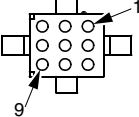
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P639 	ROLL RIGHT TRIM RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ROLL TRIM RELAYS (AMM 27-30) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008
J640  P640 	FLIGHT INSTRUMENT LIGHTING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD	794012-1	1-480720-0
J641  P641 	CABIN FIREWALL HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD (AMM 21-20)	1-480305-0	1-480303-0
P642 	FLAP DOWN RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP RELAYS (AMM 27-50) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008
P643 	FLAP UP RELAY TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP RELAYS (AMM 27-50) LOCATED ON RH LONGERON	RELAY 0-332-209-204	3-334-485-008
J644  P644 	FLAP ACTUATOR TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAPS ACTUATOR ASSEMBLY (AMM 27-50) LOCATED NEAR FLAPS ACTUATOR	1-480277-0	1-480274-0

Figure 91-101
Contact Data (Sheet 29 of 74)

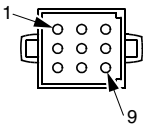
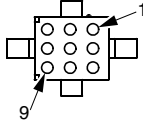
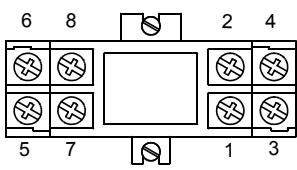
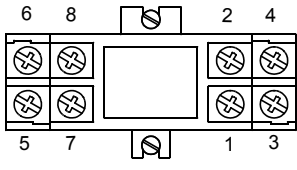
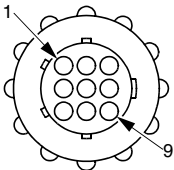
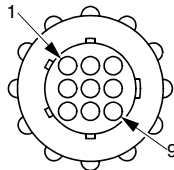
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J645  P645 	INTERIOR LIGHTING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD (AMM 21-20)	1-480277-0	1-480274-0
P646 	GLARESHIELD LIGHT STRIP TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF MFD	794012-1	1-480720-0
P648 	AUTOPILOT ROLL RELAY TO MID FUSELAGE POWER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ROLL RELAY (AMM 27-10) LOCATED ON LONGERON	RELAY K10P11D1524	27E487
P649 	AUTOPILOT PITCH RELAY TO MID FUSELAGE POWER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ROLL RELAY (AMM 27-10) LOCATED ON LONGERON	RELAY K10P11D1524	27E487
P650 	OIL TEMP/PRESSURE GAUGE TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 27-10) TO ACCESS OIL TEMP/PRESSURE GAUGE (AMM 79-30) LOCATED ON OIL TEMP/PRESSURE GAUGE	INSTR 206705-2	206708-1
P651 	EGT/CHT GAUGE TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 27-10) TO ACCESS OIL TEMP/PRESSURE GAUGE (AMM 79-20) LOCATED ON EGT/CHT GAUGE	INSTR 206705-2	206708-1

Figure 91-101
Contact Data (Sheet 30 of 74)

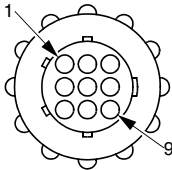
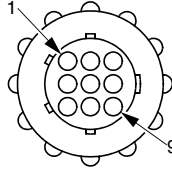
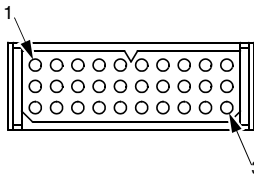
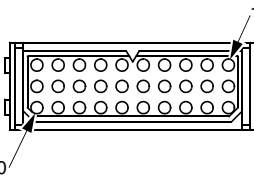
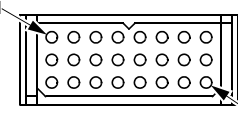
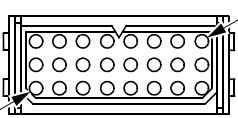
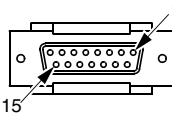
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P652 	MAP/ FUEL FLOW GAUGE TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 27-10) TO ACCESS OIL TEMP/PRESSURE GAUGE (AMM 77-10) LOCATED ON MAP/ FUEL FLOW GAUGE	INSTR 206705-2	206708-1
P653 	TACHOMETER TO CABIN FIREWALL HARNESS TO ACCESS REMOVE MFD (AMM 27-10) TO ACCESS TACHOMETER (AMM 77-10) LOCATED ON TACHOMETER	INSTR 206705-2	206708-1
P655 	ELECTRIC ATTITUDE GYRO TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE TO ACCESS ATTITUDE INDICATOR (AMM 34-20) LOCATED FORWARD OF STANDBY ATTITUDE INDICATOR (AMM 34-20)	INSTR MS3112E8-4P	MS3116E8-4S
J657  P657  SERIALS 1005 - 1267	CIRCUIT BREAKER PANEL HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC30M0000	PLC30F0000
J657  P657  SERIALS 1268 & SUBS	CIRCUIT BREAKER PANEL HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC24M0000	PLC24F0000
P658 	DIMMER BOARD TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) LOCATED FORWARD OF STANDBY INSTRUMENTS (AMM 34-20)	747236-6	205205-2

Figure 91-101
Contact Data (Sheet 31 of 74)

EFFECTIVITY:
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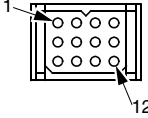
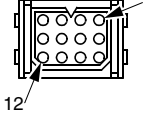
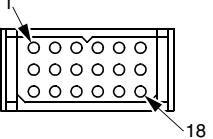
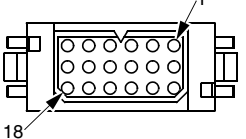
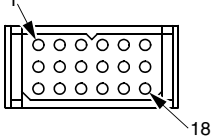
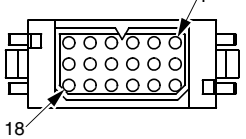
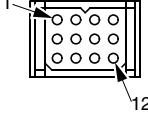
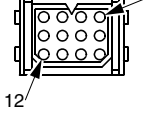
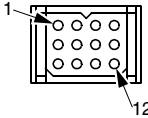
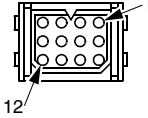
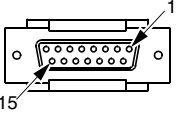
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J659  P659  SERIALS 1268 & SUBS W/O PERSPECTIVE	CIRCUIT BREAKER PANEL HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC12M0000	PLC12F0000
J659  P659  SERIALS 2016 & SUBS W/ PERSPECTIVE	CIRCUIT BREAKER PANEL HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC18M0000	PLC18F0000
J660  P660  SERIALS 1005 & SUBS W/O PERSPECTIVE	BOLSTER SWITCH PANEL TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS BOLSTER SWITCH PANEL (AMM 31-10) LOCATED ON BOLSTER SWITCH PANEL	PLC18M0000	PLC18F0000
J660  P660  SERIALS 2016 & SUBS W/ PERSPECTIVE	BOLSTER SWITCH PANEL TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS BOLSTER SWITCH PANEL (AMM 31-10) LOCATED ON BOLSTER SWITCH PANEL	PLC12M0000	PLC12F0000
J661  P661 	BOLSTER SWITCH PANEL TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) TO ACCESS BOLSTER SWITCH PANEL (AMM 31-10) LOCATED ON BOLSTER SWITCH PANEL	PLC12M0000	PLC12F0000
P662 	ANNUNCIATOR BOARD TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) TO ACCESS ANNUNCIATOR BOARD (AMM 31-50) LOCATED ON ANNUNCIATOR BOARD	1-747872-4	205205-2

Figure 91-101
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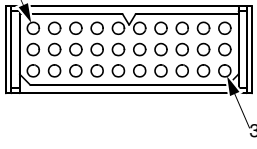
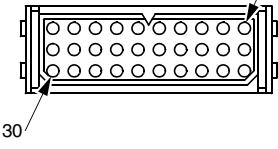
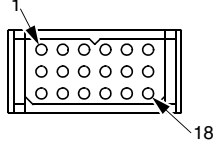
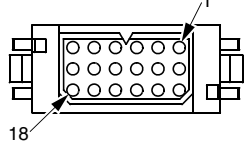
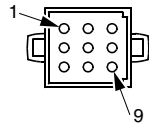
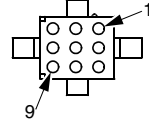
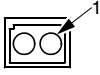
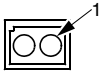
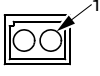
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J666  P666 	FUSELAGE FORWARD HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	PLC30M0000	PLC30F0000
J667  P667 	AUTOPILOT HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE FLOOR ACCESS PANEL CF3R (AMM 06-00) LOCATED BELOW FLOOR ACCESS PANEL EARLY SERIALS CHECK OTHER FLOOR ACCESS PANELS NEAR WING SPAR	PLC18M0000	PLC18F0000
J668  P668 	STORMSCOPE FORWARD SUB ASSEM HARNESS TO AFT SUB ASSEM HARNESS TO ACCESS REMOVE FLOOR ACCESS PANEL CF3R (AMM 06-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) EARLY SERIALS CHECK OTHER FLOOR ACCESS PANELS NEAR WING SPAR	1-480277-0	1-480274-0
J669  P669 	POWER RESISTOR ON CONVENIENCE POWER CIRCUIT CARD TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS CONVENIENCE POWER CIRCUIT CARD (AMM 25-10)	794012-1	1-480720-0
J670  P670 	CABIN SPEAKER TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE CABIN SPEAKER (AMM 23-50) OR BY REMOVING CABIN HEADLINER INTERIOR TRIM (AMM 25-10)	794012-1	1-480720-0
J671  P671 	ALTIMETER LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ALTIMETER (AMM 34-10) LOCATED FORWARD OF ALTIMETER	794012-1	1-480720-0

Figure 91-101
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CONNECTOR NUMBER		LOCATION	JACK P/N	PLUG P/N
J672	P672	VERTICAL SPEED INDICATOR LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS VERTICAL SPEED INDICATOR (AMM 34-10) LOCATED FORWARD OF VERTICAL SPEED INDICATOR	794012-1	1-480720-0
J673	P673	ATTITUDE INDICATOR TO FLIGHT INSTRUMENTS LIGHTING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ATTITUDE INDICATOR (AMM 34-20) LOCATED FORWARD OF ATTITUDE INDICATOR	794012-1	1-480720-0
J674	P674	DIRECTIONAL GYRO TO FLIGHT INSTRUMENTS LIGHTING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DIRECTIONAL GYRO (AMM 34-20) LOCATED FORWARD OF DIRECTIONAL GYRO	794012-1	1-480720-0
J675	P675	AIRSPPEED INDICATOR LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AIRSPPEED INDICATOR (AMM 34-10) LOCATED FORWARD OF AIRSPPEED INDICATOR	794012-1	1-480720-0
J676	P676	TURN COORDINATOR LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS TURN COORDINATOR (AMM 22-10) LOCATED FORWARD OF TURN COORDINATOR	794012-1	1-480720-0
	P677	COMPASS LIGHTS TO INTERIOR LIGHTING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS COMPASS (AMM 34-20) LOCATED ON COMPASS	794012-1	1-480720-0
J678	P678	CABIN DOME LIGHT TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR CABIN DOME LIGHT (AMM 33-10)	794012-1	1-480720-0

Figure 91-101
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CONNECTOR NUMBER		LOCATION	JACK P/N	PLUG P/N
J679	P679	CAPS HANDLE LIGHTING TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR CABIN DOME LIGHT (AMM 33-10)	794012-1	1-480720-0
J680	P680	CABIN EYEBALL LIGHT TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR CABIN EYEBALL LIGHT (AMM 33-10)	794012-1	1-480720-0
J682	P682	CIRCUIT BREAKER PANEL LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	794012-1	1-480720-0
J683	P683	ALT AIR CONTROL LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	794012-1	1-480720-0
J684	P684	COMPASS LIGHTS TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS STALL WARNING HORN (AMM 27-31) STALL WARNING HORN	794012-1	1-480720-0
J685	P685	AUTOPILOT HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF PILOT-SIDE INSTRUMENT PANEL	PLC18M0000	PLC18F0000
J686	P686	YOKE LIGHTING TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED BETWEEN CREW EYEBALL LIGHTS (AMM 33-10)	794012-1	1-480720-0

Figure 91-101
Contact Data (Sheet 35 of 74)

EFFECTIVITY:
All

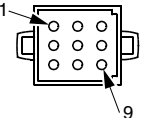
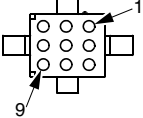
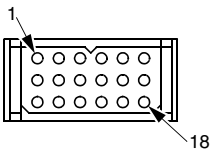
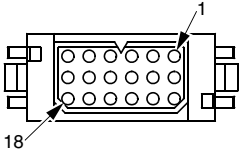
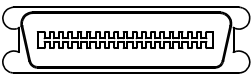
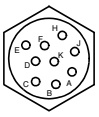
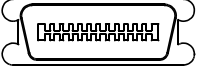
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J687  P687 	CREW EYEBALL LIGHT & SWITCH TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR CABIN EYEBALL LIGHT (AMM 33-10)	794012-1	1-480720-0
J688  P688 	STORMSCOPE AFT SUB ASSEM HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) FORWARD OF STORMSCOPE UNIT (AMM 34-40)	1-480277-0	1-480274-0
J689  P689 	NAVIGATION HARNESS TO AUTOPILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF PILOT-SIDE INSTRUMENT PANEL	PLC18M0000	PLC18F0000
P690 	HSI TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	INSTR	W/INST 57-30360
P691 	HSI TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	INSTR	W/INST
P692 	GYRO SLAVE AMP TO HSI HARNESS TO ACCESS REMOVE ACCESS PANEL CF2R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) ON GYRO SLAVING AMP (AMM 34-50)	INSTR	W/INST 57-30240

Figure 91-101
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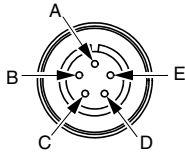
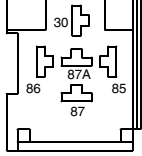
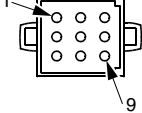
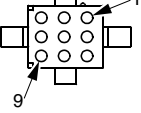
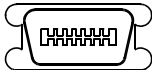
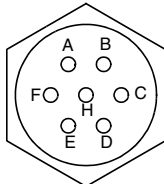
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P693 	TURN COORDINATOR TO AUTOPILOT ASSEMBLY HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) TO ACCESS TURN COORDINATOR (AMM 22-10) LOCATED ON TURN COORDINATOR	INSTR	MS3106A14S-5S
J694  P694 	HSI TO AUTOPILOT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	794012-1	1-480720-0
P696 	AUTOPILOT DISC RELAY TO AUTOPILOT ASSEMBLY HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD	RELAY 0-332-209-204	3-334-485-008
J697  P697 	HSI HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF2R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) NEAR GYRO SLAVING AMP (AMM 34-50)	1-480277-0	1-480274-0
P698 	GYRO SLAVING AMP TO STORMSCOPE AFT SUB ASSEM HARNESS TO ACCESS REMOVE ACCESS PANEL CF2R (AMM 6-00) LOCATED BELOW FLOOR ACCESS PANEL (AMM 53-20) ON GYRO SLAVING AMP (AMM 34-50)	INSTR	W/INST 57-30140
P699 	DIRECTIONAL GYRO BOOTSTRAP TO STORMSCOPE HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DIRECTIONAL GYRO (AMM 34-20) LOCATED FORWARD OF DIRECTIONAL GYRO	INSTR	126-196

Figure 91-101
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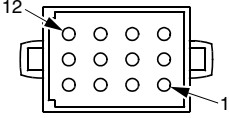
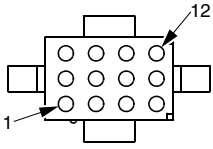
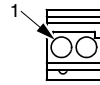
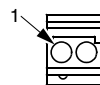
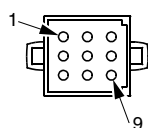
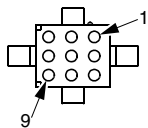
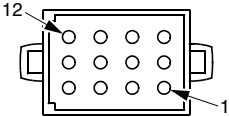
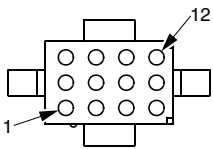
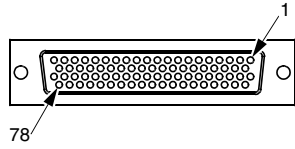
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J700  P700 	PILOT YOKE TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE LH INSTRUMENT PANEL (AMM 31-10) LOCATED FORWARD OF LH INSTRUMENT PANEL	1-480275-0	1-480275-0
J701  P701 	PITCH TRIM CURRENT LIMITER TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP RELAYS (AMM 27-50) LOCATED ON WIRE HARNESS NEAR AFT RELAY PANEL	794012-1	1-480720-0
J702  P702 	PITCH TRIM CURRENT LIMITER TO FUSELAGE AFT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLAP RELAYS (AMM 27-50) LOCATED ON WIRE HARNESS NEAR AFT RELAY PANEL	794012-1	1-480720-0
J703  P703 	TAWS TO ANNUNCIATOR CIRCUIT ASSEMBLY TO ACCESS REFERENCE PROCEDURE TO ACCESS ANNUNCIATOR (AMM 31-50) LOCATED FORWARD OF ANNUNCIATOR PANEL	1-480277-0	1-480274-0
J704  P704 	COPLOT YOKE TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE RH INSTRUMENT PANEL (AMM 31-10) LOCATED FORWARD OF RH INSTRUMENT PANEL	1-480278-0	1-480275-0
P709 	TAWS PROCESSOR TO TAWS ASSEMBLY HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) LOCATED ON TAWS PROCESSOR (AMM 34-40) MOUNTED ON KICK PLATE		DD78F00GE0
P710 	HSI HARNESS TO SKYWATCH TRAFFIC HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	794012-1	1-480720-0

Figure 91-101
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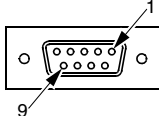
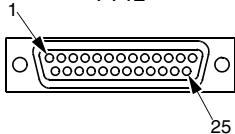
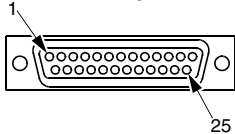
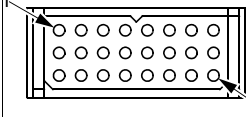
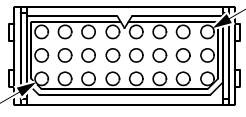
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J710 	STORMSCOPE HARNESS TO SKYWATCH TRAFFIC HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	794012-1	1-480720-0
J710A 	SKYWATCH TRAFFIC HARNESS TO STORMSCOPE HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	794012-1	1-480720-0
P710A 	SKYWATCH TRAFFIC HARNESS TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI (AMM 34-50) LOCATED FORWARD OF HSI	794012-1	1-480720-0
P711 	STORMSCOPE UNIT TO STORMSCOPE AFT SUB ASSEMBLY HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS STORMSCOPE UNIT (AMM 34-40) LOCATED ON STORMSCOPE UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)
P712 	STORMSCOPE UNIT TO STORMSCOPE AFT SUB ASSEMBLY HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS STORMSCOPE UNIT (AMM 34-40) LOCATED ON STORMSCOPE UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)
P713 	STORMSCOPE UNIT TO STORMSCOPE AFT SUB ASSEMBLY HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS STORMSCOPE UNIT (AMM 34-40) LOCATED ON STORMSCOPE UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)
J714  P714 	TAWS ASSEMBLY HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD LEFT OF MFD (AMM 21-20)	PLC24M0000	PLC24F0000

Figure 91-101
Contact Data (Sheet 39 of 74)

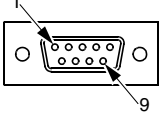
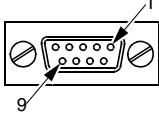
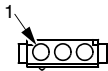
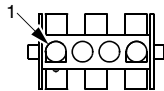
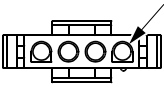
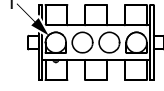
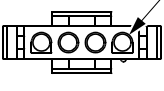
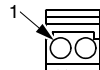
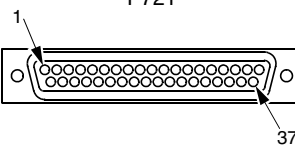
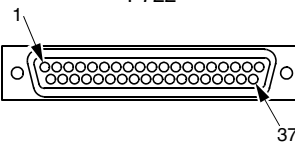
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J715 	P715  TAWS DIAGNOSTIC CONNECTOR TO TAWS PROCESSOR TO ACCESS REMOVE PILOT-SIDE KICK PLATE (AMM 25-10) CAPPED AND STOWED NEAR TAWS PROCESSOR UNIT (AMM 34-40)	205204-4	205203-3
J716 	P716  TAWS PROCESSOR TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF MFD NEAR CENTER OF WIRING RACK	1-480305-0	1-480303-0
J718 	P718  XM WEATHER HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BEHIND CO-PILOT KICK PLATE	1-480703-0	1-480702-0
J719 	P719  SENSOR INTERFACE UNIT HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BEHIND CO-PILOT KICK PLATE	1-480703-0	1-480702-0
J720 	P720  XMD RECEIVER HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BEHIND CO-PILOT KICK PLATE	794012-1	1-480720-0
P721 	HSI UNIT TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI UNIT (AMM 34-50) LOCATED ON HSI UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)
P722 	HSI UNIT TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI UNIT (AMM 34-50) LOCATED ON HSI UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)

Figure 91-101
Contact Data (Sheet 40 of 74)

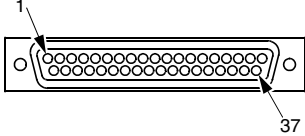
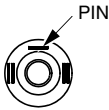
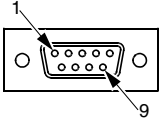
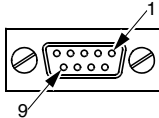
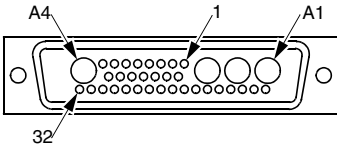
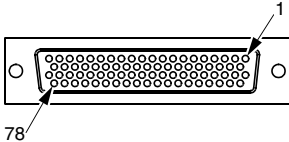
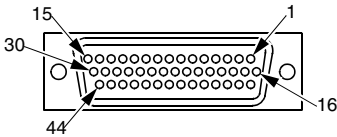
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P723 	HSI UNIT TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI UNIT (AMM 34-50) LOCATED ON HSI UNIT	PART OF RADIO	PART OF TRAY (INCL W/ TRAY)
J724 	HSI UNIT DATA PORT TO HSI HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS HSI UNIT (AMM 34-50) LOCATED ON HSI UNIT	14B	
J725  P725 	ANNUNCIATOR CIRCUIT INTERCONNECT TO ACCESS REFERENCE PROCEDURE TO ACCESS ANNUNCIATOR (AMM 31-50) LOCATED FORWARD OF ANNUNCIATOR PANEL	1-480305-0	1-480303-0
J729  P729 	RIGHT WING HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	205204-4	205203-3
P730 	RIGHT WING HARNESS TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS PFD (AMM 31-60) LOCATED ON PFD		CBC36W4F00GEO
P732 	RIGHT WING HARNESS TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS PFD (AMM 31-60) LOCATED ON PFD		DD78F00GEO
P733 	RIGHT WING HARNESS TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS PFD (AMM 31-60) LOCATED ON PFD		DD44F00GEO

Figure 91-101
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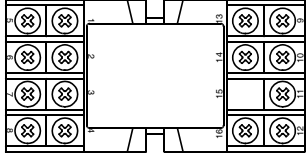
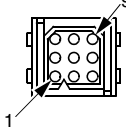
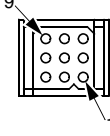
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P734 	MAGNETOMETER TO RIGHT WING HARNESS TO ACCESS REMOVE ACCESS PANEL RW10 (AMM 6-00) LOCATED ON MAGNETOMETER (AMM 31-60)		MS3126F12-10S
P735 	PFD RELAY TO NAVIGATION HARNESS TO ACCESS REMOVE PFD (AMM 31-60) LOCATED ON PILOT-SIDE INBOARD CONSOLE RIB NEAR PFD		27E166
J789  P789 	XM RADIO HARNESS TO AUDIO HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) LOCATED FORWARD AND ABOVE RADIO MODULE ASSEMBLY	PLC9M0000	PLC9F0000
J790  PIN	PILOT HEADSET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PILOT HEADSET JACK	722A	ON HEADPHONE
J791  PIN	CO-PILOT HEADSET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON CO-PILOT HEADSET JACK	722A	ON HEADPHONE
J792  PIN	PASSENGER HEADSET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER AUDIO JACK (AMM 23-50)	722A	ON HEADPHONE
J793  PIN	PASSENGER HEADSET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER AUDIO JACK (AMM 23-50)	722A	ON HEADPHONE

Figure 91-101
Contact Data (Sheet 42 of 74)

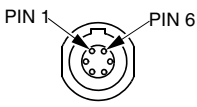
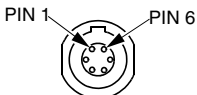
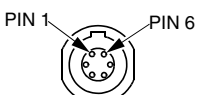
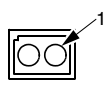
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J794 	PILOT ANR HEADSET TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PILOT ANR JACK	PTG-MO-6NL-LC65N	
J795 	CO-PILOT ANR HEADSET TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON CO-PILOT ANR JACK	PTG-MO-6NL-LC65N	
J796 	PASSENGER ANR HEADSET TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PASSENGER ANR JACK	PTG-MO-6NL-LC65N	
J797 	PASSENGER ANR HEADSET TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PASSENGER ANR JACK	PTG-MO-6NL-LC65N	
J799  P799 	AUDIO HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON CO-PILOT SIDE NEAR AUDIO JACK CONNECTORS	794012-1	1-480720-0
J800 	PILOT MICROPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PILOT MICROPHONE JACK	S12B	ON HEADPHONE
J810 	PILOT HEADPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PILOT HEADPHONE JACK	12B	ON HEADPHONE

Figure 91-101
Contact Data (Sheet 43 of 74)

EFFECTIVITY:
All

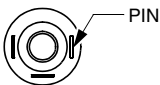
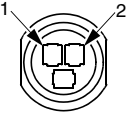
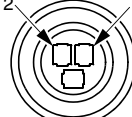
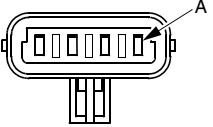
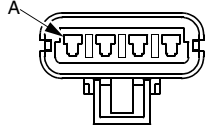
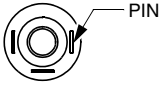
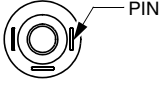
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J820 	CO-PILOT MICROPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON CO-PILOT MICROPHONE JACK	S12B	ON HEADPHONE
J830 	CO-PILOT HEADPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON CO-PILOT HEADPHONE JACK	12B	ON HEADPHONE
J840 	PASSENGER MICROPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER MICROPHONE JACK	S12B	ON HEADPHONE
J847  P847  SERIALS 1268 - 2221	BATTERY 2 TO ENGINE MONITORING HARNESS TO ACCESS REMOVE ACCESS PANEL CF3L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	206207-1	206037-2
J847  P847  SERIALS 2222 & SUBS	BATTERY 2 TO ENGINE MONITORING HARNESS TO ACCESS REMOVE ACCESS PANEL CF3L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	12129565	12129600
J850 	PASSENGER MICROPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER MICROPHONE JACK	S12B	ON HEADPHONE
J860 	PASSENGER HEADSET TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10)) LOCATED ON PASSENGER HEADSET JACK	12B	ON HEADPHONE

Figure 91-101
Contact Data (Sheet 44 of 74)

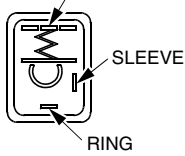
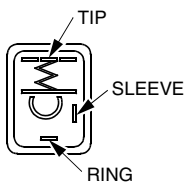
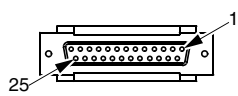
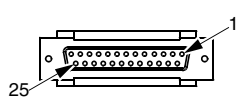
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J870 	MUSIC/ENTERTAINMENT JACK TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER HEADPHONE JACK	161-3502	ON HEADPHONE
J875 	TELEPHONE INPUT JACK TO AUDIO HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PHONE INPUT JACK (AMM 23-50)	161-7000-EX	
J880 	MUSIC/ENTERTAINMENT JACK TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PASSENGER HEADPHONE JACK	161-3502	ON HEADPHONE
J890 	PASSENGER HEADPHONE TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED ON PASSENGER HEADPHONE JACK	12B	ON HEADPHONE
P900 	SENSOR INTERFACE UNIT TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) LOCATED ON SENSOR INTERFACE UNIT (AMM 77-40)		207463-1
P901 	SENSOR INTERFACE UNIT TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) LOCATED ON SENSOR INTERFACE UNIT (AMM 77-40)		207463-1

Figure 91-101
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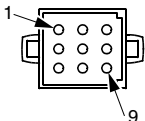
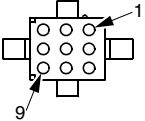
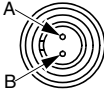
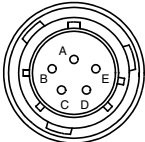
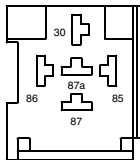
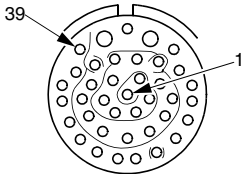
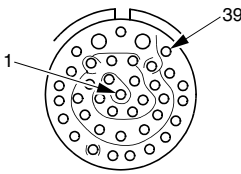
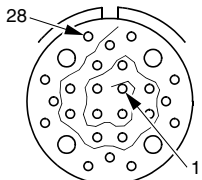
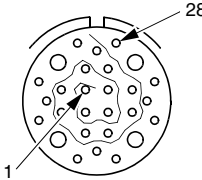
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J903  P903 	FUSELAGE FORWARD HARNESS TO AVIDYNE ENGINE INSTRUMENT CABIN HARNESS TO ACCESS REMOVE CO-PILOT SIDE KICK PLATE (AMM 25-10) LOCATED NEAR SENSOR INTERFACE UNIT (AMM 77-40)	1-480277-0	205207-1
P905 	OAT SENSOR TO AVIDYNE ENGINE INSTRUMENT CABIN HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS OAT SENSOR (AMM 25-10) LOCATED ON OAT SENSOR		1-480303-0
P940 	FAN TO ECS HARNESS TO ACCESS REMOVE ACCESS PANEL CF2R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON FAN (AMM 21-20) OR EVAPORATOR (AMM 21-50) IF EQUIPPED		96J6254
P949 	AC EVAPORATOR RELAY TO AC RELAY PANEL HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AC RELAY PANEL (AMM 21-60) LOCATED ON AC RELAY PANEL	RELAY 0-332-209-204	3-334-485-008
J950  P950 	ENGINE MONITORING CABIN HARNESS TO ENGINE INSTRUMENTS FIREWALL FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON UPPER CENTER FIREWALL	M83723/87G2039N	M83723/84K2039N
J951  P951 	FIREWALL FORWARD HARNESS TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON UPPER CENTER FIREWALL	M83723/86G2028N	M83723/85K2028N

Figure 91-101
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CONNECTOR NUMBER		LOCATION	JACK P/N	PLUG P/N
J958	P958	SKYWATCH HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD FORWARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	794012-1	1-480720-0
J959	P959	MODEL ID JUMPER TO DATA ACQUISITION UNIT TO ACCESS REFERENCE PROCEDURE TO ACCESS DATA ACQUISITION UNIT (AMM 77-40) LOCATED ON DATA ACQUISITION UNIT	1-480305-0	1-480303-0
J970	P970	CABIN AIR CONTROL ASSEMBLY TO AIR CONDITIONING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS CABIN AIR CONTROL ASSEMBLY (AMM 21-60) LOCATED FORWARD OF CABIN AIR CONTROL ASSEMBLY	1-480276-0	1-480273-0
J972	P972	EVAPORATOR FAN RELAY TO AIR CONDITIONING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS CABIN AIR CONTROL ASSEMBLY (AMM 21-60) LOCATED FORWARD OF CABIN AIR CONTROL ASSEMBLY	1-480426-0	1-480425-0
J980	P980	CIRCUIT BREAKER PANEL HARNESS TO ENGINE MONITORING HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD, FORWARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC9M0000	PLC09F0000
J982	P982	GO AROUND SWITCH HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD, AND ABOVE CIRCUIT BREAKER PANEL	794012-1	1-480720-0

Figure 91-101
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EFFECTIVITY:
All

CONNECTOR NUMBER		LOCATION	JACK P/N	PLUG P/N
J1012	P1012	STALL WARNING DISCONNECT TO AUTOPILOT HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF MFD NEAR STALL HORN PANEL	39326-4	34233
J1014	P1014	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON FIREWALL NEAR TOP CENTER	CP11656-1	MS3475L14-19SN
J1015	P1015	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON FIREWALL NEAR TOP CENTER	CP11656-2	MS3475L14-19SW
J1016	P1016	ENGINE MONITORING CABIN HARNESS TO FIREWALL FORWARD ENGINE HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON FIREWALL NEAR TOP CENTER	CP11656-3	MS3475L14-19SX
P1020		PITOT HEAT RELAY TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD, FORWARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	RELAY 0-332-209- 204	3-334-485-008

Figure 91-101
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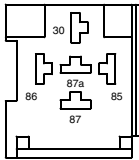
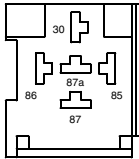
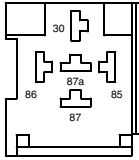
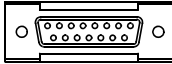
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1021 	AVIONICS NON-ESSENTIAL RELAY TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD, FORWARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008
P1024 	LANDING LIGHT RELAY TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED NEAR DIMMER CIRCUIT CARD (AMM 33-10)	RELAY 0-332-209-204	3-334-485-008
P1025 	HOBBS METER #2 RELAY TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED NEAR AFT TRANSIENT VOLTAGE SUPPRESSOR (AMM 24-50)	RELAY 0-332-209-204	3-334-485-008
P1026 	ELT REMOTE SWITCH TO ELT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ELT RCPI (AMM 25-60) LOCATED ON ELT RCPI		PART OF ELT
P1027 	ELT TO ELT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ELT (AMM 25-60) LOCATED ON ELT		PART OF ELT
J1028  P1028 	PARKING BRAKE POSITION SENSOR TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED NEAR PARKING BRAKE VALVE (AMM 32-42)	794012-1	1-480720-0

Figure 91-101
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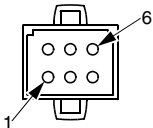
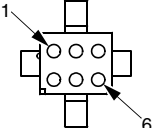
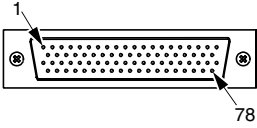
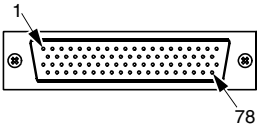
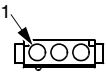
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1029  P1029 	ELT HARNESS INTERCONNECT BETWEEN ELT REMOTE SWITCH AND ELT TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED PILOT SIDE ON WIRING RACK	1-480276-0	1-480273-0
P1030 	ELT REMOTE SWITCH TO ELT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ELT RCPI (AMM 25-60) LOCATED ON ELT RCPI		RJ-11
P1031 	ELT TO ELT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ELT (AMM 25-60) LOCATED ON ELT		RJ-11
J1033 	GEA 71 TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF MFD ON GEA 71 ENGINE AIRFRAME UNIT (AMM 77-40)	330-00185-78	
J1034 	GEA 71 TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF MFD ON GEA 71 ENGINE AIRFRAME UNIT (AMM 77-40)	330-00185-78	
P1035 	FADEC TO BATTERY 2 ASSEMBLY TO ACCESS REFERENCE PROCEDURE TO ACCESS BATTERY 2 ASSEMBLY (AMM 24-30) INACTIVE CAPPED AND STOWED LOCATED ON BATTERY 2 ASSEMBLY	1-480720-0	
J1044  P1044 	CABIN AIR COUPLER MOTOR TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON CABIN AIR COUPLER (AMM 21-40)	1-480303-0	1-480305-0
J1045 	CAPS HANDLE SENSOR TO INTERIOR LIGHTING HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR CABIN DOME LIGHT (AMM 33-10)	794012-1	

Figure 91-101
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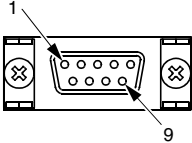
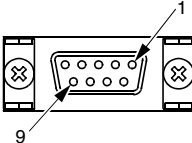
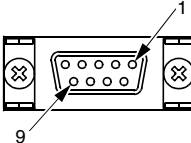
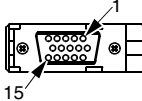
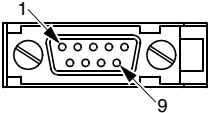
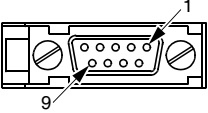
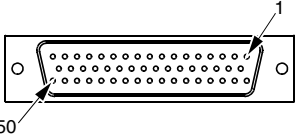
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1046 	CAPS ROCKET SENSOR TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CB7 (AMM 53-20) LOCATED ON EXTERIOR OF ROCKET SHIELD (CMM 95-01)	794012-1	
J1047  P1047 	NAVIGATION HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BETWEEN CONSOLE RIBS ON CO-PILOT SIDE	RD9M10GVLZ	RD9F10GV3X
P1048  SERIALS 1886 & SUBS W/O PERSPECTIVE	RECOVERABLE DATA MODULE TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL RE2 (AMM 53-20) LOCATED FORWARD OF BULKHEAD 306 NEAR RDM (AMM 31-30)		RD9F00JVLX
P1048  SERIALS 2016 & SUBS W/ PERSPECTIVE	RECOVERABLE DATA MODULE TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL RE2 (AMM 53-20) LOCATED FORWARD OF BULKHEAD 306 NEAR RDM (AMM 31-30)	PRT OF RDM	DD15F0000X
J1049  P1049 	FUSELAGE FORWARD HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	RD9M0000X	RD9F00JVLX
J1050 	DATA TRANSFER UNIT TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DATA TRANSFER UNIT (AMM 31-30) LOCATED ON DATA TRANSFER UNIT	205564-2	

Figure 91-101
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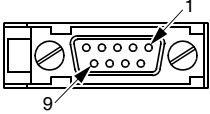
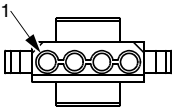
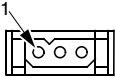
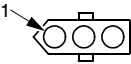
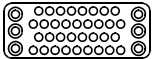
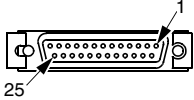
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1051 	DATA PORT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) LOCATED BELOW GLOVE BOX STOWED AWAY FROM FUEL LINES		RD9F00JVLX
J1052  P1052 	EL INVERTER TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED NEAR EL VOLTAGE INVERTER (AMM 31-10)	1-480426-0	1-480425-0
J1053 	BOLSTER SWITCH PANEL TO FUSELAGE FORWARD HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS BOLSTER SWITCH PANEL (AMM 24-50) LOCATED ON BOLSTER SWITCH PANEL	PLA03M0000	
P1057 	AVIONICS COOLING FAN TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED ON AVIONICS COOLING FAN (AMM 21-20)		59F1798
P1059 	GROUND PLATE (CABIN) TO GROUND BUS BAR (ENGINE COMPARTMENT) TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON FIREWALL		GMCT34F000000
P1072 	FLAP SWITCH PANEL TO FIREWALL FORWARD HARNESS TO ACCESS REMOVE FLAPS SWITCH PANEL (AMM 27-50) LOCATED ON FLAPS SWITCH PANEL		5205207-1
P1073  SERIALS 2016 & SUBS W/ PERSPECTIVE	PFD COOLING FAN TO NAVIGATION HARNESS TO ACCESS REMOVE PFD (AMM 31-60) LOCATED FORWARD RIGHT OF PFD (AMM 21-20)		1-480303-0

Figure 91-101
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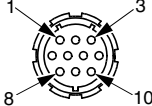
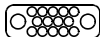
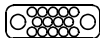
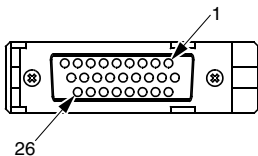
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1073  SERIALS 2016 & SUBS W/ PERSPECTIVE	RDM DATA PORT TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED BEHIND FUSELAGE ACCESS PANEL		WPUSBAF
P1074 	MFD COOLING FAN TO NAVIGATION HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD RIGHT OF MFD (AMM 21-20)		1-480303-0
P1083 	EVS CAMERA TO EVS HARNESS TO ACCESS REMOVE ACCESS PANEL LW5 (AMM 6-00) LOCATED BEHIND WING ACCESS PANEL (AMM 53-20) NEAR EVS CAMERA (AMM 93-50)		801-007-16M7-10SA
P1087 	GROUND PLATE TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON RIGHT SIDE LONGERON NEAR FLAP RELAY (AMM 27-10)		GMCT14F000000
P1109 	GROUND PLATE TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON RIGHT SIDE LONGERON NEAR TKS TIMER BOX (AMM 30-07)		GMCT14F000000
P1110 	PITCH TRIM ADAPTER TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON RIGHT SIDE LONGERON ON PITCH TRIM ADAPTER (AMM 22-10)		011-01030-01

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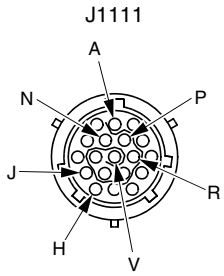
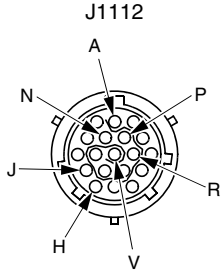
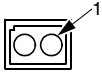
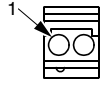
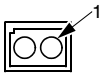
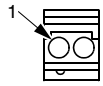
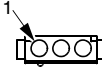
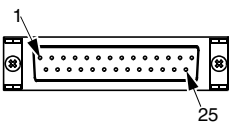
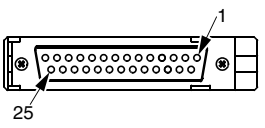
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
 J1111	PITCH SERVO TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) AND CONDENSER IF EQUIPPED (AMM 21-50) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON PITCH SERVO MOTOR (AMM 22-10)	011-01027-00	
 J1112	ROLL SERVO TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) AND CONDENSER IF EQUIPPED (AMM 21-50) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON ROLL SERVO (AMM 22-10)	011-01027-00	
 J1148  P1148	CABIN DOME LIGHT SWITCH TO INTERIOR LIGHTING HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS CABIN DOME LIGHT (AMM 24-50) LOCATED NEAR CABIN DOME LIGHT	794012-1	1-480720-0
 J1156  P1156	PHOTOTRANSISTOR ON GLARESHIELD TO FLIGHT DIRECTOR HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLIGHT DIRECTOR (AMM 22-11) LOCATED NEAR GLARESHIELD MOUNTED PHOTOTRANSISTOR	794012-1	1-480720-0
 P1165	AVIDYNE TWX STC TO TRAFFIC HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS GTS 800 LRU (AMM 34-40) INACTIVE CAPPED AND STOWED LOCATED NEAR GTS 800 LRU		1-480303-0
 J1168  P1168	NAVIGATION HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	RD25M0000Z	RD25F0000X

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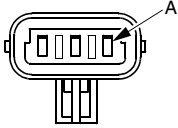
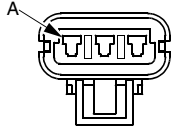
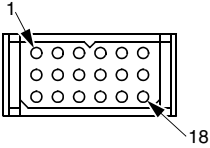
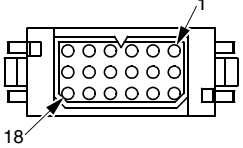
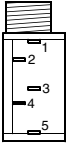
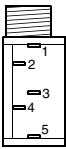
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1169  P1169 	BATTERY 2 TO BATTERY 2 HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED ON BAT 2 SHELF NEAR BATTERY 2 (AMM 24-30)	15300003	12040977
J1178  P1178 	ENGINE MONITORING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF PFD ON WIRE RACK	PLC18M0000	PLC18F0000
J1181 	ENTERTAINMENT #1 TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER AUDIO JACK (AMM 23-50)	161-354W-SG-EX	ON HEADPHONE
J1182 	ENTERTAINMENT #2 TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED ON PASSENGER AUDIO JACK (AMM 23-50)	161-354W-SG-EX	ON HEADPHONE
P1190 	LANDING GEAR SIMULATOR GEAR SWITCH TO LGS HARNESS TO ACCESS REMOVE AFT CONSOLE TRIM PANEL (AMM 25-10) LOCATED ON LGS PILOT INTERFACE PANEL (AMM 115-00)		1-480720-0
P1191 	LANDING GEAR SIMULATOR GEAR HORN TO LGS WARNING HORN HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON LGS WARNING HORN (AMM 115-00)		1-480720-0

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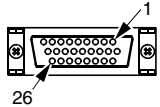
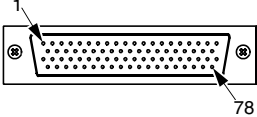
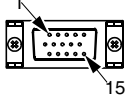
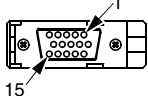
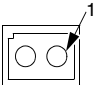
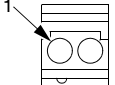
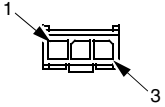
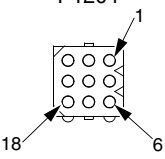
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1192 	LANDING GEAR SIMULATOR LOGIC CONTROL UNIT TO LGS HARNESS TO ACCESS REMOVE AFT CONSOLE TRIM PANEL (AMM 25-10) LOCATED ON LGS LOGIC CONTROL UNIT (AMM 115-00)		DD26F0000X
P1193 	LANDING GEAR SIMULATOR PILOT INTERFACE TO LGS HARNESS TO ACCESS REMOVE AFT CONSOLE TRIM PANEL (AMM 25-10) LOCATED ON LGS PILOT INTERFACE PANEL (AMM 115-00)		10120-3000-PE
J1194 	GDL 88 UAT TO UAT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS GDL 88 UAT (AMM 34-40) LOCATED ON GDL 88 UAT LRU	PART OF GDL 88 UAT	
J1195  P1195 	UAT HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD OF CIRCUIT BREAKER PANEL	51991-015	51993-015
J1196  P1196 	UAT HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD OF CIRCUIT BREAKER PANEL	50158-002	50159-002
J1197 	UAT FAN UAT HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS GDL 88 UAT (AMM 34-40) LOCATED ON GDL 88 UAT LRU	PART OF GDL 88 UAT	
P1204 	EMERGENCY LOCATOR TRANSMITTER CABIN SWITCH TO ELT HARNESS ACCESS BY LOCATING ELT REMOTE CONTROL PANEL INDICATOR (AMM 25-60) LOCATED ON ELT REMOTE CONTROL PANEL INDICATOR	151-5009	

Figure 91-101
Contact Data (Sheet 56 of 74)

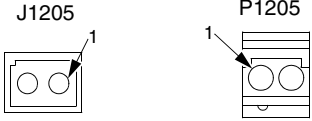
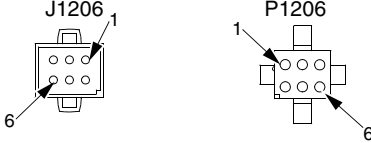
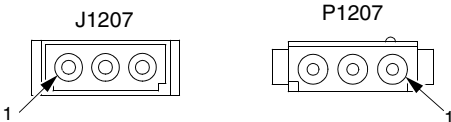
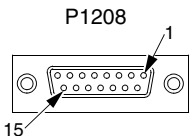
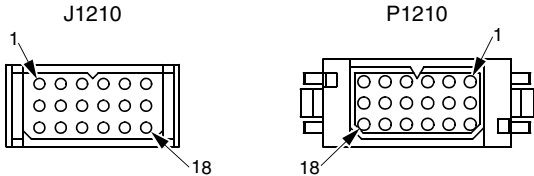
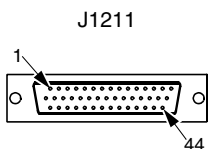
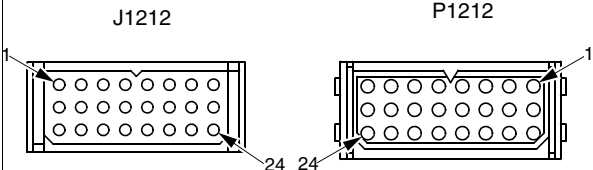
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
	ELT HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF PFD ON WIRE RACK	794012-1	1-480720-0
	ELT HARNESS INTERCONNECT TO ACCESS REMOVE LH INSTRUMENT PANEL (AMM 31-10) LOCATED FORWARD OF LH INSTRUMENT PANEL	1-480276-0	1-480273-0
	ELT HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF PFD ON WIRE RACK	1-480305-0	1-480303-0
	ELT 1000 TO ELT HARNESS TO ACCESS REMOVE ACCESS PANEL CB6 (AMM 6-00) LOCATED ON ELT 1000 TRANSMITTER UNIT (AMM 25-60)		150-1127
	FUSELAGE FORWARD HARNESS TO CENTER CONSOLE HARNESS TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD OF FMS KEYBOARD AND BELOW AVIONICS SHELF	PLC18M0000	PLC18F0000
	CONVENIENCE SYSTEM CONTEROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON CONVENIENCE SYSTEM CONTEROLLER (AMM 24-50)	164X11969X	
	HALO LIGHTS CONTEROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON HALO LIGHTS CONTEROLLER TO (AMM 24-50)	PLC24M0000	PLC24F0000

Figure 91-101
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EFFECTIVITY:
All

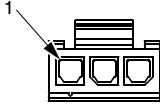
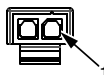
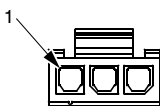
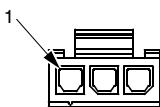
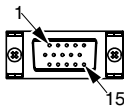
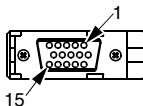
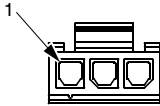
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1213 	BAGGAGE LIGHT CONTROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR BAGGAGE LIGHTS (AMM 33-30)		43645-0300
P1214 	BAGGAGE LIGHT CONTROLLER TO BAGGAGE LIGHTS TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED NEAR BAGGAGE LIGHT (AMM 33-30)		43645-0200
P1215 	BAGGAGE LIGHT SWITCH TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE RIGHT REAR HEADLINER (AMM 25-10) LOCATED ON BAGGAGE DOOR PROXIMITY SENSOR (AMM 52-30)		1-480720-0
P1216 	PILOT AFT FOOTWELL LIGHT CONTROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE LEFT REAR CABIN SIDE TRIM PANEL (AMM 25-10) LOCATED NEAR PILOT SIDE PASSENGER FOOTWELL LIGHT (AMM 33-20)		43645-0300
P1218 	CO-PILOT AFT FOOTWELL LIGHT CONTROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE RIGHT REAR CABIN SIDE TRIM PANEL (AMM 25-10) LOCATED NEAR CO-PILOT SIDE PASSENGER FOOTWELL LIGHT (AMM 33-20)		43645-0300
J1220 	P1220 	DD15M0000Z	DD15F0000X
P1223 	AFT FOOTWELL LIGHT CONTROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) LOCATED FORWARD OF STANDBY INSTRUMENTS PANEL		43645-0300

Figure 91-101
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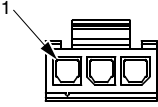
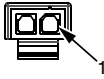
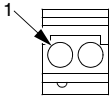
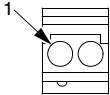
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1225 	FWD FOOTWELL CONTROLLER TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED FORWARD OF STANDBY INSTRUMENTS PANEL (AMM 34-20)		43645-0300
P1226 	FWD FOOTWELL CONTROLLER TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED FORWARD OF STANDBY INSTRUMENTS PANEL (AMM 34-20)		43645-0200
J1227 	PILOT FOOTWELL LIGHTS TO FORWARD FOOTWELL LIGHTS CONTROLLER TO ACCESS REMOVE PILOT KICK PLATE (AMM 25-10) LOCATED ON PILOT FOOTWELL LIGHT (AMM 33-10)	43640-0201	
J1228 	CO-PILOT FOOTWELL LIGHTS TO FORWARD FOOTWELL LIGHTS CONTROLLER TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON CO-PILOT FOOTWELL LIGHT (AMM 33-10)	43640-0201	
P1235 	PILOT DOOR SWITCH TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED ON CABIN DOOR PROXIMITY SENSOR (AMM 52-10)		1-480720-0
P1236 	CO-PILOT DOOR SWITCH TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED ON CABIN DOOR PROXIMITY SENSOR (AMM 52-10)		1-480720-0

Figure 91-101
Contact Data (Sheet 59 of 74)

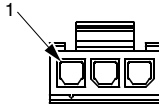
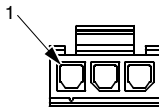
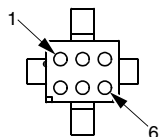
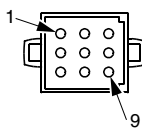
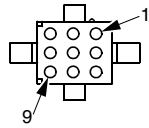
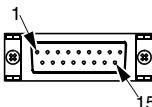
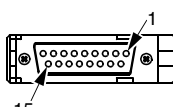
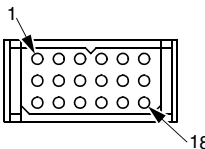
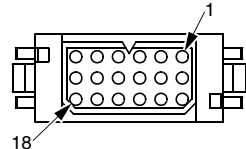
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N	
P1237 	PILOT ENTRY STEP LIGHT CONTROLLER TO CONVENIENCE SYSTEM HARNESS TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) AND CONDENSER IF EQUIPPED (AMM 21-50) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) NEAR ENTRY STEP LIGHT (AMM 33-40)		43645-0300	
P1239 	CO-PILOT ENTRY STEP LIGHT TO CO-PILOT ENTRY STEP LIGHT CONTROLLER TO ACCESS REMOVE ACCESS PANEL CF5 (AMM 6-00) AND CONDENSER IF EQUIPPED (AMM 21-50) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) ON ENTRY STEP LIGHT (AMM 33-40)		43645-0300	
P1246 	REVERSIONARY SWITCH TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF REVERSIONARY SWITCH (AMM 31-60)		1-480273-0	
J1249 	P1249 	REVERSIONARY SWITCH TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF REVERSIONARY SWITCH (AMM 31-60)	1-480277-0	1-480274-0
J1250 	P1250 	CIRCUIT BREAKER PANEL HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	RD15M0000Z	RD15F0000X
J1251 	P1251 	CIRCUIT BREAKER PANEL HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	PLC18M0000	PLC18F0000

Figure 91-101
Contact Data (Sheet 60 of 74)

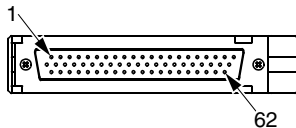
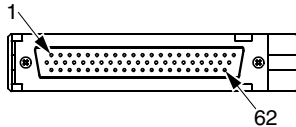
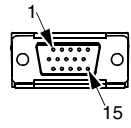
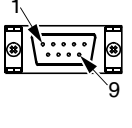
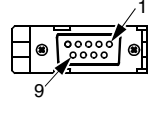
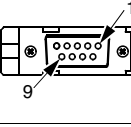
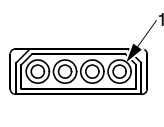
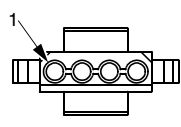
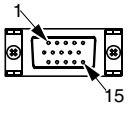
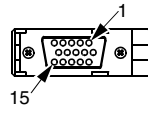
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1252 	PFD TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON PFD (AMM 31-60)	011-00820-01	
J1253 	MFD TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON MFD (AMM 31-60)	011-00820-01	
J1254 	FLIGHT MANAGEMENT SYSTEM KEYBOARD TO NAVIGATION HARNESS TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD ON FMS KEYBOARD	011-01824-00	
J1256  P1256 	DME HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	RD9M0000Z	RD9F0000X
P1257 	CO DETECTOR TO NAVIGATION HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON CO DETECTOR (AMM 27-30)		RD9F0000X
J1258  P1258 	STORMSCOPE TO NAVIGATION HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	1-480426-0	1-480425-0
J1259  P1259 	SKYWATCH HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED NEAR FORWARD TRANSIENT VOLTAGE SUPPRESSOR (AMM 24-50)	DD15M0000Z	DD15F0000X

Figure 91-101
Contact Data (Sheet 61 of 74)

EFFECTIVITY:
All

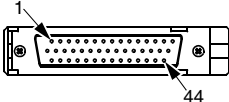
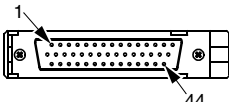
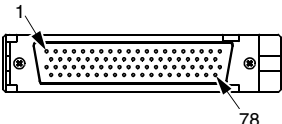
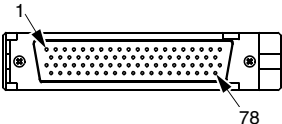
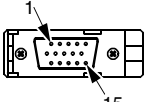
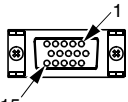
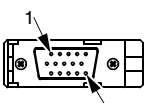
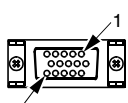
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1260  P1260 	TRAFFIC HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND BELOW CIRCUIT BREAKER PANEL (AMM 24-50)	794012-1	1-480720-0
J1263 	AHRS 1 TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AHRS 1 (AMM 34-20) LOCATED ON AHRS 1	011-00869-01	
J1264 	AHRS 2 TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AHRS 2 (AMM 34-20) LOCATED ON AHRS 2	011-00869-01	
J1265 	ADC 1 TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ADC 1 (AMM 34-10) LOCATED ON ADC 1	011-01010-01	
J1266 	ADC 2 TO NAVIGATION HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS ADC 2 (AMM 34-10) LOCATED ON ADC 2	011-01010-01	
J1267  P1267 	MAG/ OAT HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	DD15M0000Z	DD15F0000X
J1268  P1268 	MAG/ OAT HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	DD15M0000Z	DD15F0000X

Figure 91-101
Contact Data (Sheet 62 of 74)

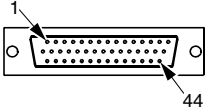
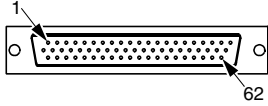
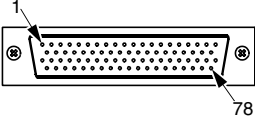
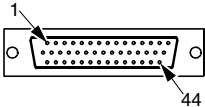
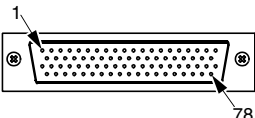
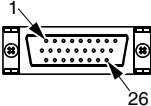
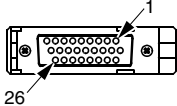
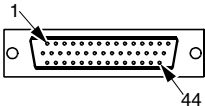
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1271 	GIA 1 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 1 (AMM 31-40)	330-00185-44	
J1272 	GIA 1 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 1 (AMM 31-40)	330-00185-62	
J1273 	GIA 1 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 1 (AMM 31-40)	330-00185-78	
J1274 	GIA 1 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 1 (AMM 31-40)	330-00185-44	
J1275 	GIA 1 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 1 (AMM 31-40)	330-00185-78	
J1277  P1277 	TRAFFIC HARNESS TO NAVIGATION HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD AND BELOW CIRCUIT BREAKER PANEL (AMM 24-50)	DD26M0000Z	DD26F0000X
J1281 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-44	

Figure 91-101
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EFFECTIVITY:
All

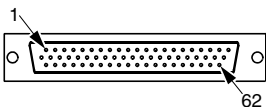
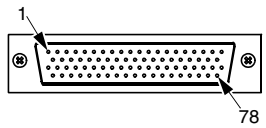
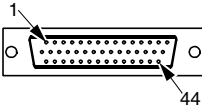
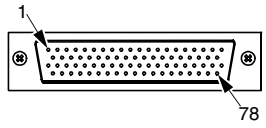
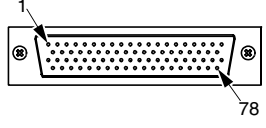
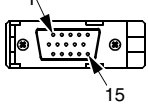
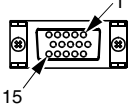
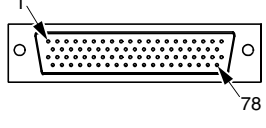
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1282 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-62	
J1283 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-78	
J1284 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-44	
J1285 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-78	
J1286 	GIA 2 TO NAVIGATION HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON GIA 2 (AMM 31-40)	330-00185-78	
J1291  P1291 	XM RECEIVER TO NAVIGATION HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	DD15M0000Z	DD15F0000X
J1292 	XM WEATHER RECEIVER TO XM ASSEMBLY HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED ON XM WEATHER RECEIVER (AMM 34-50)	011-00997-01	

Figure 91-101
Contact Data (Sheet 64 of 74)

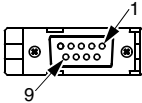
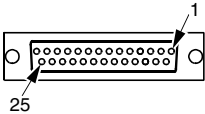
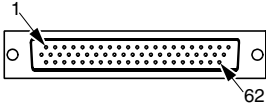
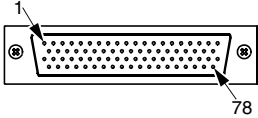
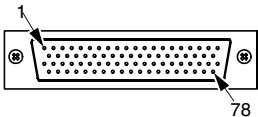
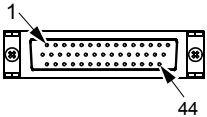
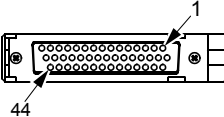
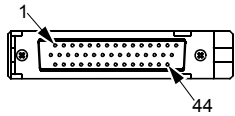
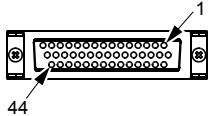
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1293 	XM RADIO TRANSCEIVER TO XM ASSEMBLY HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS XM RADIO TRANSCEIVER (AMM 23-30) LOCATED ON XM RADIO TRANSCEIVER		RD9F0000X
P1297 	MODE C TRANSPONDER TO TRANSPONDER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS TRANSPONDER (AMM 34-50) LOCATED ON TRANSPONDER		011-01013-01
J1298 	MODE S TRANSPONDER TO TRANSPONDER HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS TRANSPONDER (AMM 34-50) LOCATED ON TRANSPONDER	011-01012-01	
J1301 	AUDIO PANEL TO CENTER CONSOLE HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	330-00185-78	
J1302 	AUDIO PANEL TO CENTER CONSOLE HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	330-00185-78	
J1303  P1303 	AUDIO PANEL TO NAVIGATION HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) OR FLIGHT MANAGEMENT SYSTEM KEYBOARD(AMM 34-60) LOCATED FORWARD OF RADIO MODULE ASSEMBLY / KEYBOARD	DD44M0000Z	DD44F0000X
J1304  P1304 	AUDIO PANEL TO NAVIGATION HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) OR FLIGHT MANAGEMENT SYSTEM KEYBOARD(AMM 34-60) LOCATED FORWARD OF RADIO MODULE ASSEMBLY / KEYBOARD	DD44M0000Z	DD44F0000X

Figure 91-101
Contact Data (Sheet 65 of 74)

EFFECTIVITY:
All

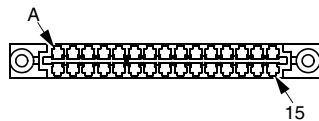
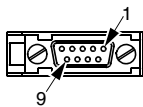
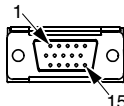
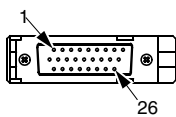
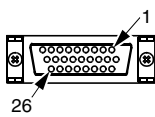
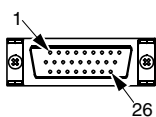
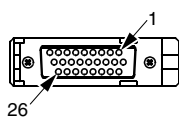
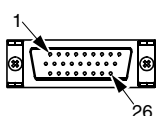
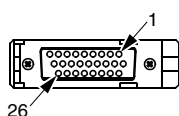
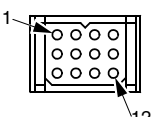
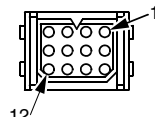
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1305 	ADF RECEIVER TO ADF HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED ON ADF RECEIVER (AMM 34-50)	09-50-6155	
P1306 	INTERCONNECT BETWEEN ADF ANTENNA AND ADF RECEIVER TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD OF FMS KEYBOARD AND BELOW AVIONICS SHELF		RD9F0000X
J1309 	AUTOPILOT CONTROLLER TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AUTOPILOT CONTROLLER (AMM 22-10) LOCATED ON AUTOPILOT CONTROLLER	011-01824-00	
J1311  P1311 	NAVIGATION HARNESS TO TO CENTER CONSOLE HARNESS TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD OF FMS KEYBOARD AND BELOW AVIONICS SHELF	DD26M0000Z	DD26F0000X
J1312  P1312 	NAVIGATION HARNESS TO TO CENTER CONSOLE HARNESS TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD OF FMS KEYBOARD AND BELOW AVIONICS SHELF	DD26M0000Z	DD26F0000X
J1314  P1314 	FUSELAGE FORWARD HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	DD26M0000Z	DD26F0000X
J1315  P1315 	ADF HARNESS TO CENTER CONSOLE HARNESS TO ACCESS REMOVE FLIGHT MANAGEMENT SYSTEM KEYBOARD (AMM 34-60) LOCATED FORWARD OF FMS KEYBOARD AND BELOW AVIONICS SHELF	PLC12M0000	PLC12F0000

Figure 91-101
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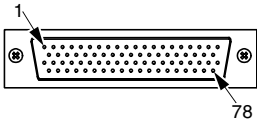
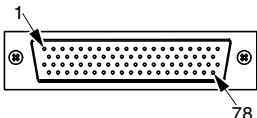
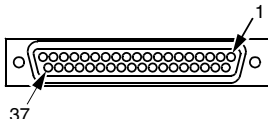
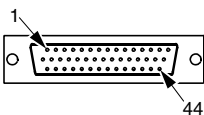
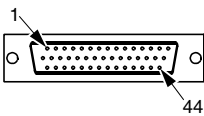
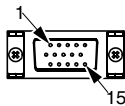
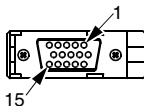
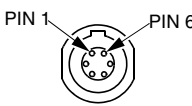
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1321 	GTS 800 LRU TO TRAFFIC HARNESS TO ACCESS REMOVE TRAFFIC LRU COVER PANEL (AMM 34-40) LOCATED ON GTS 800LRU	330-00366-78	
J1322 	GTS 800 LRU TO TRAFFIC HARNESS TO ACCESS REMOVE TRAFFIC LRU COVER PANEL (AMM 34-40) LOCATED ON GTS 800LRU	330-00366-78	
P1323 	GTS 800 LRU TO TRAFFIC HARNESS TO ACCESS REMOVE TRAFFIC LRU COVER PANEL (AMM 34-40) LOCATED ON GTS 800LRU		RD37F0000X
J1329 	AUDIO PANEL (GMA 350) TO CENTER CONSOLE HARNESS TO ACCESS REMOVE AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	330-00185-44	
J1330 	AUDIO PANEL (GMA 350) TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE AUDIO PANEL (AMM 23-50) LOCATED ON AUDIO PANEL	330-00185-44	
J1333  P1333 	CENTER CONSOLE HARNESS TO FUSELAGE AFT HARNESS TO ACCESS REMOVE ACCESS PANEL CF3R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	DD15M0000Z	DD15F0000X
J1334 	PASSENGER ANR HEADSET JACK TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED BELOW PASSENGER ANR JACK	PTG-MO-GNL-LC65N	

Figure 91-101
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EFFECTIVITY:
All

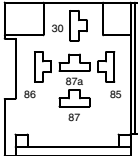
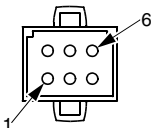
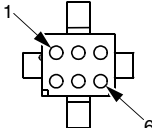
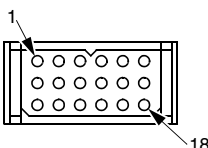
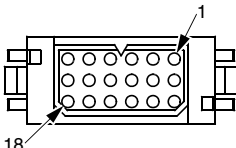
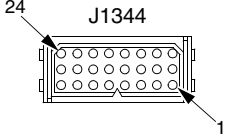
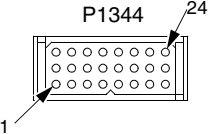
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1335 	PASSENGER ANR HEADSET JACK TO CENTER CONSOLE HARNESS TO ACCESS REMOVE GLOVE BOX (AMM 25-10) TO ACCESS AUDIO JACKS (AMM 23-50) LOCATED BELOW PASSENGER ANR JACK	PTG-MO-GNL-LC65N	
J1337 	BAGGAGE LIGHT TO BAGGAGE LIGHT CONTROLLER TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED ON BAGGAGE LIGHTS (AMM 33-30)	43640-0201	
J1338 	BAGGAGE LIGHT TO BAGGAGE LIGHT CONTROLLER TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED ON BAGGAGE LIGHTS (AMM 33-30)	43640-0201	
P1338 	BAGGAGE LIGHT TO BAGGAGE LIGHT CONTROLLER TO ACCESS REMOVE HEADLINER (AMM 25-10) LOCATED ON BAGGAGE LIGHTS (AMM 33-30)	RELAY 0-332-209-204	3-334-485-008
J1339  P1339 	FLIGHT DIRECTOR HARNESS TO CENTER CONSOLE HARNESS TO ACCESS REMOVE RADIO MODULE ASSEMBLY (AMM 25-10) OR FLIGHT MANAGEMENT SYSTEM KEYBOARD(AMM 34-60) LOCATED FORWARD OF RADIO MODULE / KEYBOARD	1-480276-0	1-480273-0
J1343  P1343 	NAVIGATION HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED CENTER ON WIRING RACK	PLC18M0000	PLC18F0000
J1344  P1344 	NAVIGATION HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED CENTER ON WIRING RACK	PLC24M0000/AA	PLC24F0000/AA

Figure 91-101
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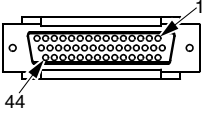
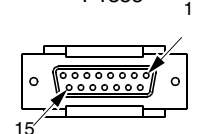
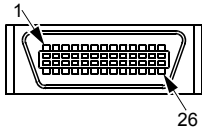
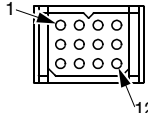
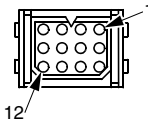
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1346 	ECS CONTROLLER TO ECS HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED ON ECS CONTROLLER (AMM 21-60)		DD44F0000X
J1352 	CABIN AIR COUPLER ACTUATOR TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED NEAR CABIN AIR COUPLER ACTUATOR (AMM 21-60)	1-480305-0	
J1353 	DISTRIBUTION MANIFOLD DUAL ACTUATOR TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED ON DISTRIBUTION MANIFOLD DUAL ACTUATOR (AMM 21-60)	1-480305-0	
J1354 	DISTRIBUTION MANIFOLD DUAL ACTUATOR TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED ON DISTRIBUTION MANIFOLD DUAL ACTUATOR (AMM 21-60)	1-480305-0	
P1355 	LEVEL SENSOR POWER CIRCUIT CARD TO ENGINE MONITORING CABIN HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS LEVEL SENSOR POWER CIRCUIT CARD (AMM 24-50) LOCATED ON LEVEL SENSOR POWER CIRCUIT CARD		205205-2
J1356 	ECS DISPLAY PANEL TO ECS HARNESS TO ACCESS REMOVE ECS DISPLAY PANEL (AMM 21-60) LOCATED ON ECS DISPLAY PANEL	10126-3000-PE	
J1358 	P1358 	ECS HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF ECS DISPLAY PANEL (AMM 21-60) ON CO-PILOT WIRING RACK	PLC12M0000 PLC12F0000

Figure 91-101
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EFFECTIVITY:
All

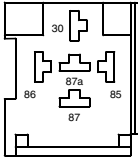
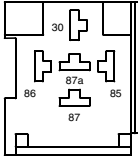
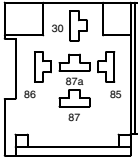
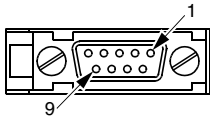
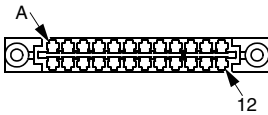
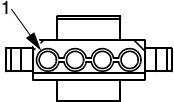
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1360 	EVAPORATOR RELAY TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED ON UNDERSIDE OF AVIONICS SHELF	RELAY 0-332-209-204	3-334-485-008
P1361 	CONDENSER RELAY TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED ON UNDERSIDE OF AVIONICS SHELF	RELAY 0-332-209-204	3-334-485-008
P1362 	COMPRESSOR RELAY TO ECS HARNESS TO ACCESS REMOVE CO-PILOT KICK PANEL (AMM 25-10) LOCATED ON UNDERSIDE OF AVIONICS SHELF	RELAY 0-332-209-204	3-334-485-008
P1366 	ADF ANTENNA TO ADF ANTENNA CABLE TO ACCESS REMOVE REFERENCE PROCEDURE TO ACCESS ADF ANTENNA (AMM 34-50) LOCATED ON ADF ANTENNA (AMM 34-50)		030-00101-0000
J1368 	DME RECEIVER TO DME HARNESS TO ACCESS REMOVE ACCESS PANEL CF2L (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20)	0950-6125	
P1386 	LEFT ICE LIGHT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED NEAR ICE LIGHT (AMM 33-40)	PART OF ICE LIGHT	1-480425-0

Figure 91-101
Contact Data (Sheet 70 of 74)

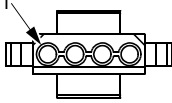
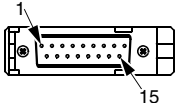
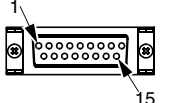
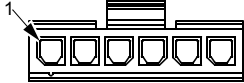
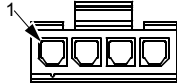
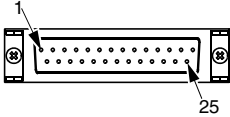
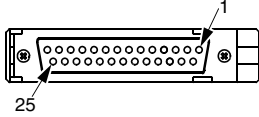
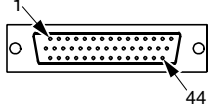
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
P1387 	RIGHT ICE LIGHT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED NEAR ICE LIGHT (AMM 33-40)	PART OF ICE LIGHT	1-480425-0
J1395  P1395 	TRANSPONDER HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	RD15M0000Z	RD15F0000X
P1407 	DOOR SOLENOID LOCKOUT TO CONVENIENCE SYSTEM CONTROLLER TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) NEAR CONVENIENCE SYSTEM CONTROLLER (AMM 24-50)		43645-0600
P1408 	DOOR SOLENOID LOCKOUT DOOR SOLENOID LOCKOUT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE ACCESS PANEL CF4R (AMM 6-00) LOCATED BELOW FUSELAGE FLOOR ACCESS PANEL (AMM 53-20) NEAR CONVENIENCE SYSTEM CONTROLLER (AMM 24-50)		43645-0400
J1409  P1409 	XM ASSEMBLY HARNESS TO DATA LINK HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	RD25M0000Z	RD25F0000X
J1411 	IRIDIUM TRANSCEIVER TO DATA LINK HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED ON IRIDIUM TRANSCEIVER (AMM 34-50)	330-00185-44	

Figure 91-101
Contact Data (Sheet 71 of 74)

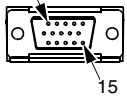
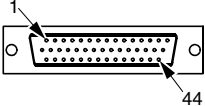
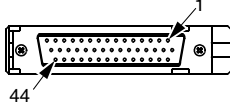
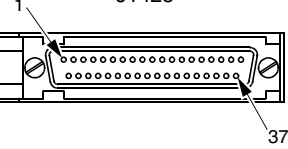
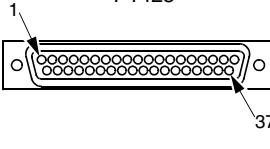
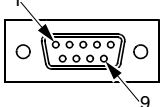
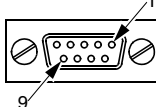
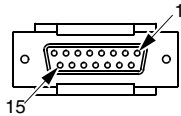
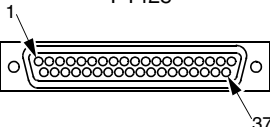
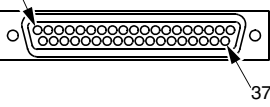
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1415 	FLIGHT STREAM 210 TO DATA LINK HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS FLIGHT STREAM 210 (AMM 23-30) LOCATED ON FLIGHT STREAM 210	330-00626-15	
J1416  P1416 	DATA LINK HARNESS TO NAVIGATION HARNESS TO ACCESS REMOVE LH SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED BEHIND FORWARD PORTION OF SIDEWALL AIR DUCT TRIM PANEL NEAR LH OUTBOARD CONSOLE RIB	330-00185-44	164X11969X
J1425  P1425 	FUSELAGE FORWARD HARNESS TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BETWEEN CONSOLE RIBS ON CO-PILOT SIDE	RD37M10000	RD37F10000
J1426  P1426 	NAVIGATION HARNESS TO ENGINE MONITORING CABIN HARNESS TO ACCESS REMOVE CO-PILOT KICK PLATE (AMM 25-10) LOCATED BETWEEN CONSOLE RIBS ON CO-PILOT SIDE	205204-4	205204-3
P1427 	DATA ACQUISITION UNIT TO ENGINE MONITORING CABIN HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DATA ACQUISITION UNIT (AMM 77-40) LOCATED ON DATA ACQUISITION UNIT		205205-2
P1428 	DATA ACQUISITION UNIT TO ENGINE MONITORING CABIN HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DATA ACQUISITION UNIT (AMM 77-40) LOCATED ON DATA ACQUISITION UNIT		RD37F10000
J1429 	DATA ACQUISITION UNIT TO ENGINE MONITORING CABIN HARNESS TO ACCESS REFERENCE PROCEDURE TO ACCESS DATA ACQUISITION UNIT (AMM 77-40) LOCATED ON DATA ACQUISITION UNIT	RD37M10000	

Figure 91-101
Contact Data (Sheet 72 of 74)

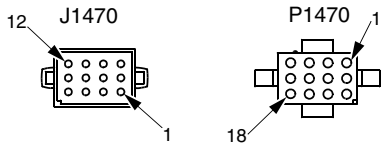
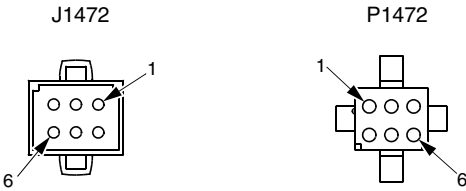
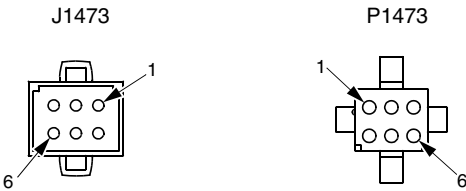
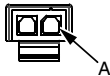
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
	INTERIOR LIGHTING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE MFD (AMM 31-60) LOCATED FORWARD OF MFD (AMM 21-20)	1-480275-0	1-480278-0
	LEFT ICE LIGHT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED NEAR ICE LIGHT (AMM 33-40)	1-480276-0	1-480273-0
	RIGHT ICE LIGHT TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE SIDEWALL AIR DUCT TRIM PANEL (AMM 25-10) LOCATED NEAR ICE LIGHT (AMM 33-40)	1-480276-0	1-480273-0
	PILOT USB CHARGER CONVENIENCE OUTLET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) PILOT USB CHARGER CONVENIENCE OUTLET (AMM 24-50)		9017943-2
	PASSENGER USB CHARGER CONVENIENCE OUTLET TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE AFT CONSOLE REAR COVER (AMM 25-10) PASSENGER USB CHARGER CONVENIENCE OUTLET (AMM 24-50)		9017943-2
	ENGINE MONITORING HARNESS TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE GLARESHIELD ASSEMBLY (AMM 25-10) LOCATED FORWARD OF RH INSTRUMENT PANEL NEAR WIRING RACK	PLC9M0000	PLC09F0000

Figure 91-101
Contact Data (Sheet 73 of 74)

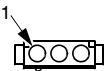
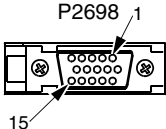
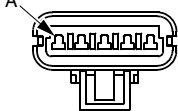
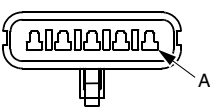
CONNECTOR NUMBER	LOCATION	JACK P/N	PLUG P/N
J1980  P1980 	CIRCUIT BREAKER PANEL HARNESS TO ENGINE MONITORING HARNESS TO ACCESS OPEN CIRCUIT BREAKER PANEL (AMM 24-50) OR REMOVE MID CONSOLE TRIM PANEL (AMM 25-10) LOCATED INBOARD FORWARD AND ABOVE CIRCUIT BREAKER PANEL (AMM 24-50)	1-480305-0	1-480303-0
P2698 	MD302 STANDBY ATTITUDE MODULE TO FUSELAGE FORWARD HARNESS TO ACCESS REMOVE PILOT-SIDE KICK PLATE TO (AMM 25-10) LOCATED ON MD302 (AMM 34-10)		9016479
P2700 	CAPS DIAGNOSTIC CONNECTOR TO BATTERY 2 HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED ON SERVICE LOOP SECURED TO FUSELAGE		EN3C8FCKX
P2701  J2701 	CAPS IGNITION HARNESS TO BATTERY 2 HARNESS TO ACCESS REMOVE ACCESS PANEL RE3 (AMM 6-00) LOCATED ON FS 222 BULKHEAD ON LEFT OF CAPS BUCKET (AMM 53-00)	12186400	12084891

Figure 91-101
Contact Data (Sheet 74 of 74)

2. SWITCH DATA

SWITCH IDENTIFICATION	SWITCH NUMBER	MAX. CURRENT	RATING AT 28 VDC	MFG CAGE CODE	SWITCH P/N
ROLL LEFT LIMIT	S301	0.75A	5.0A	V91929	UM50E10D01
ROLL RIGHT LIMIT	S302	0.75A	5.0A	V91929	UM50E10D01
ANNUNCIATOR TEST	S500	0.4A	6.0A	V55588	A233P42DZQ
PITCH DOWN LIMIT	S501	0.3A	5.0A	V22373	ZM50E10E01
PITCH UP LIMIT	S502	0.3A	5.0A	V22373	ZM50E10E01
FLAP UP PROXIMITY	S503	0.028A	0.2A	V3U613	CAXC-33NO
FLAP 50% PROXIMITY	S504	0.028A	0.2A	V3U613	CAXC-33NO
FLAP 100% PROXIMITY	S505	0.028A	0.2A	V3U613	CAXC-33NO
TERRAIN AWARENESS	S510	0.1A	2.0A	V61706	HB16CKW01-5D-DB
AMMETER SELECT SWITCH	S511	0.1A	6.0A	V55588	A432P42DZQ
TERRAIN AWARENESS	S512	0.1A	2.0A	V61706	18-137.035
REVERSIONARY SWITCH	S519	0.1A	2.0A	V21649	LP5-63K32R
HEADSET POWER	S520	1.0A	2.0A	V09353	L20301MS02Q
FLIGHT DIRECTOR BUTTON 1	S569	0.04A	4.0A	V12522	992331-A154263333
FLIGHT DIRECTOR BUTTON 2	S570	0.04A	4.0A	V12522	992331-A154262222
FLAP SELECTOR	S601	0.008A	0.5A	V1LNF3	C4D0112N-A
PRIME/LOW	S602	1.56A	15.0A	V55588	8004K31N1V2
STARTER	S656	0.1A	2.0A	ACS	A-510-2
LANDING LIGHT	S660	0.1A	16.0A	V09353	DF62 SERIES
PITOT HEAT	S661	0.1A	16.0A	V09353	DF62 SERIES
NAV LIGHTS	S662	0.1A	16.0A	V09353	DF62 SERIES
STROBE LIGHTS	S663	0.1A	16.0A	V09353	DF62 SERIES
ALTERNATOR 1	S664	0.1A	16.0A	V09353	DF62 SERIES
BATTERY 1	S665	0.1A	16.0A	V09353	DF62 SERIES
AVIONICS SWITCH	S666	0.1A	16.0A	V09353	DF62 SERIES
ALTERNATOR 2	S667	0.1A	16.0A	V09353	DF62 SERIES
BATTERY 2	S668	0.1A	16.0A	V09353	DF62 SERIES
PILOT YOKE HAT	S700	0.1A	2.0A	V21649	T5-0088
PILOT YOKE PUSH-TO-TALK	S701	0.1A	2.0A	V81073	39-101
ALTITUDE HOLD	S702	0.1A	2.0A	V81073	39-101
COPILOT YOKE	S705	0.1A	2.0A	V21649	39-101

Figure 91-102
Switch Data (Sheet 1 of 2)

EFFECTIVITY:
All

SWITCH IDENTIFICATION	SWITCH NUMBER	MAX. CURRENT	RATING AT 28 VDC	MFG CAGE CODE	SWITCH P/N
COPILOT YOKE PUSH-TO-TALK	S706	0.1A	2.0A	V81073	39-101
PILOT 4 WAY TRIM	S720	0.1A	2.0A	V21649	T4-0257
PILOT YOKE PUSH-TO-TALK	S721	0.1A	2.0A	V21649	P7-300135
PILOT A/P DISCONNECT	S722	0.1A	2.0A	V21649	P7-376241
COPILOT 4 WAY TRIM	S730	0.1A	2.0A	V21649	T4-0257
COPILOT YOKE PUSH-TO-TALK	S731	0.1A	2.0A	V21649	P7-300135
COPILOT A/P DISCONNECT	S732	0.1A	2.0A	V21649	P7-376241
FAN MEDIUM	S801	0.1A	2.0A	V01963	D45L-R1RD
FAN POWER	S802	0.1A	2.0A	V01963	D45L-R1RD
FAN POWER	S808	0.008A	0.5A	V1LNF3	C4D0212S-A
CABIN AIR LIMIT	S809	0.1A	2.0A	V01963	D45L-R1RD
ICE LIGHT	SW9	0.5A	16A	V09353	DF62 SERIES
CABIN LIGHT	N/A	0.4A	3.0A	V63426	MB2065SBW01-6AA

Figure 91-102
Switch Data (Sheet 2 of 2)

3. RELAY DATA

RELAY IDENTIFICATION	RELAY NUMBER	LOAD TYPE	MAX. DRAW	RELAY RATING AT 28 VDC	MFG CAGE CODE	RELAY P/N
FUEL PRESSURE	K102	MOTOR/INDUCTIVE	2.0A	16.0A	V0RUF7	0-332-209-204
LANDING LIGHT	K105	LAMP	250.0W	380.0W	V0RUF7	0-332-209-204
STANDBY VACUUM	K114	MOTOR/INDUCTIVE	10.7A	16.0A	V0RUF7	0-332-209-204
FLIGHT DIRECTOR	K567	RESISTIVE	0.03A	1.0A	V0BKV9	KHAU-17D16-24
ALTERNATOR 1 FIELD	K616	RESISTIVE	3.5A	20.0A	V0RUF7	0-332-209-204
ALTERNATOR 2 FIELD	K617	RESISTIVE	3.5A	20.0A	V0RUF7	0-332-209-204
NAV LIGHTS	K618	LAMP	102.0W	380.0W	V0RUF7	0-332-209-204
STROBE LIGHTS	K619	RESISTIVE	4.3A	20.0A	V0RUF7	0-332-209-204
AVIONICS RELAY #1	K627	RESISTIVE	3.91A	20.0A	V0RUF7	0-332-209-204
AVIONICS RELAY #2	K628	RESISTIVE	7.2A	20.0A	V0RUF7	0-332-209-204
PITOT HEAT	K629	RESISTIVE	4.1A	20.0A	V0RUF7	0-332-209-204
HOBBS #1	K633	RESISTIVE	0.1A	16.0A	V0RUF7	0-332-209-204
PITCH TRIM	K636	MOTOR/INDUCTIVE	0.2A	16.0A	V0RUF7	0-332-209-204
PITCH TRIM	K637	MOTOR/INDUCTIVE	0.2A	16.0A	V0RUF7	0-332-209-204
ROLL TRIM	K638	MOTOR/INDUCTIVE	0.7A	16.0A	V0RUF7	0-332-209-204
ROLL TRIM	K639	MOTOR/INDUCTIVE	0.7A	16.0A	V0RUF7	0-332-209-204
FLAP RELAY	K642	MOTOR/INDUCTIVE	5.8A	16.0A	V0RUF7	0-332-209-204
FLAP RELAY	K643	MOTOR/INDUCTIVE	5.8A	16.0A	V0RUF7	0-332-209-204
ROLL AUTOPILOT	K648	MOTOR/INDUCTIVE	0.7A	15.0A	V0BKV9	K10P11D1524
PITCH AUTOPILOT	K649	MOTOR/INDUCTIVE	0.2A	15.0A	V0BKV9	K10P11D1524
AUTOPILOT DISC	K696	RESISTIVE	0.03A	16.0A	V0RUF7	0-332-209-204
PFD	K735	RESISTIVE	0.03A	1.0A	V0BKV9	KHAU-17D16-24
BATTERY 2 RELAY		RESISTIVE	20.0A	50.0A	V0RUF7	0-332-002-256
FAN	K949	MOTOR/INDUCTIVE	0.3A	16.0A	V0RUF7	0-332-209-204
PITOT HEAT	K1020	RESISTIVE	3.6A	20.0A	V0RUF7	0-332-209-204
AVIONICS	K1021	RESISTIVE	1.5A	20.0A	V0RUF7	0-332-209-204
RECOGNITION LIGHTS	K1024	MOTOR/INDUCTIVE	1.04A	20.0A	V0RUF7	0-332-209-204
HOBBS #2	K1025	RESISTIVE	0.1A	16.0A	V0RUF7	0-332-209-204
EVAPORATOR	1360	MOTOR/INDUCTIVE	9.15A	16.0A	V0RUF7	0-332-209-204
CONDENSER	1361	MOTOR/INDUCTIVE	10.25A	16.0A	V0RUF7	0-332-209-204

Figure 91-103
Relay Data (Sheet 1 of 2)

EFFECTIVITY:
All

RELAY IDENTIFICATION	RELAY NUMBER	LOAD TYPE	MAX. DRAW	RELAY RATING AT 28 VDC	MFG CAGE CODE	RELAY P/N
COMPRESSOR	1362	MOTOR/INDUCTIVE	0.55A	16.0A	V0RUF7	0-332-209-204

Figure 91-103
Relay Data (Sheet 2 of 2)

CHAPTER

93

SURVEILLANCE

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CHAPTER 93 - SURVEILLANCE**LIST OF EFFECTIVE PAGES**

<u>Chap-Sect-Fig</u>	<u>Page</u>	<u>Date</u>
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93-LOEP	2	15 DEC 2014
93-TOC	1	15 DEC 2014
93-TOC	2	15 DEC 2014
93-50	1	15 DEC 2014

EFFECTIVITY:
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CHAPTER 93 - SURVEILLANCE

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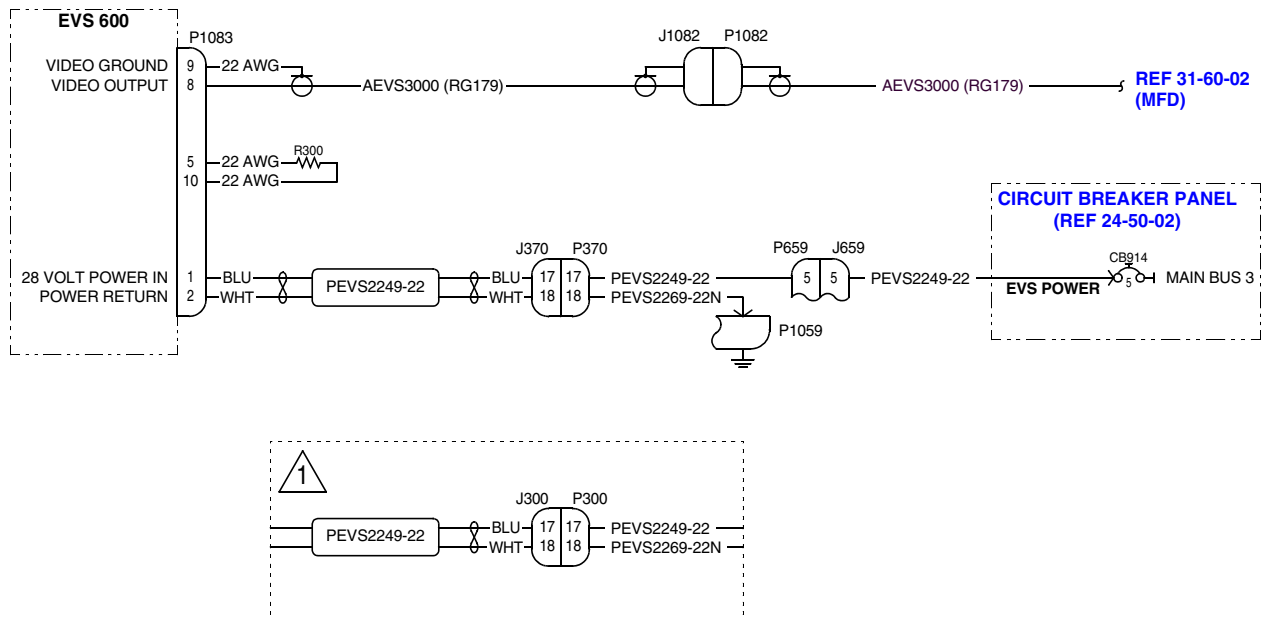
Subject

Enhanced Vision System - Serials 2016 & subs w/ Perspective Avionics

Chap-Sect-Fig

93-50-01

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NOTES

Refer to 91-10-00 for connector and pin information.

 Serials 2016 thru 2240.

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Figure-01
Enhanced Vision System - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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CHAPTER

95

**SPECIAL
PURPOSE
EQUIPMENT**

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CHAPTER 95 - SPECIAL PURPOSE EQUIPMENT**LIST OF EFFECTIVE PAGES**

<u>Chap-Sect-Fig</u>	<u>Page</u>	<u>Date</u>
95-LOEP	1	04 SEP 2018
95-LOEP	2	15 DEC 2014
95-TOC	1	04 SEP 2018
95-TOC	2	15 DEC 2014
95-00	1	04 SEP 2018

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CHAPTER 95 - SPECIAL PURPOSE EQUIPMENT

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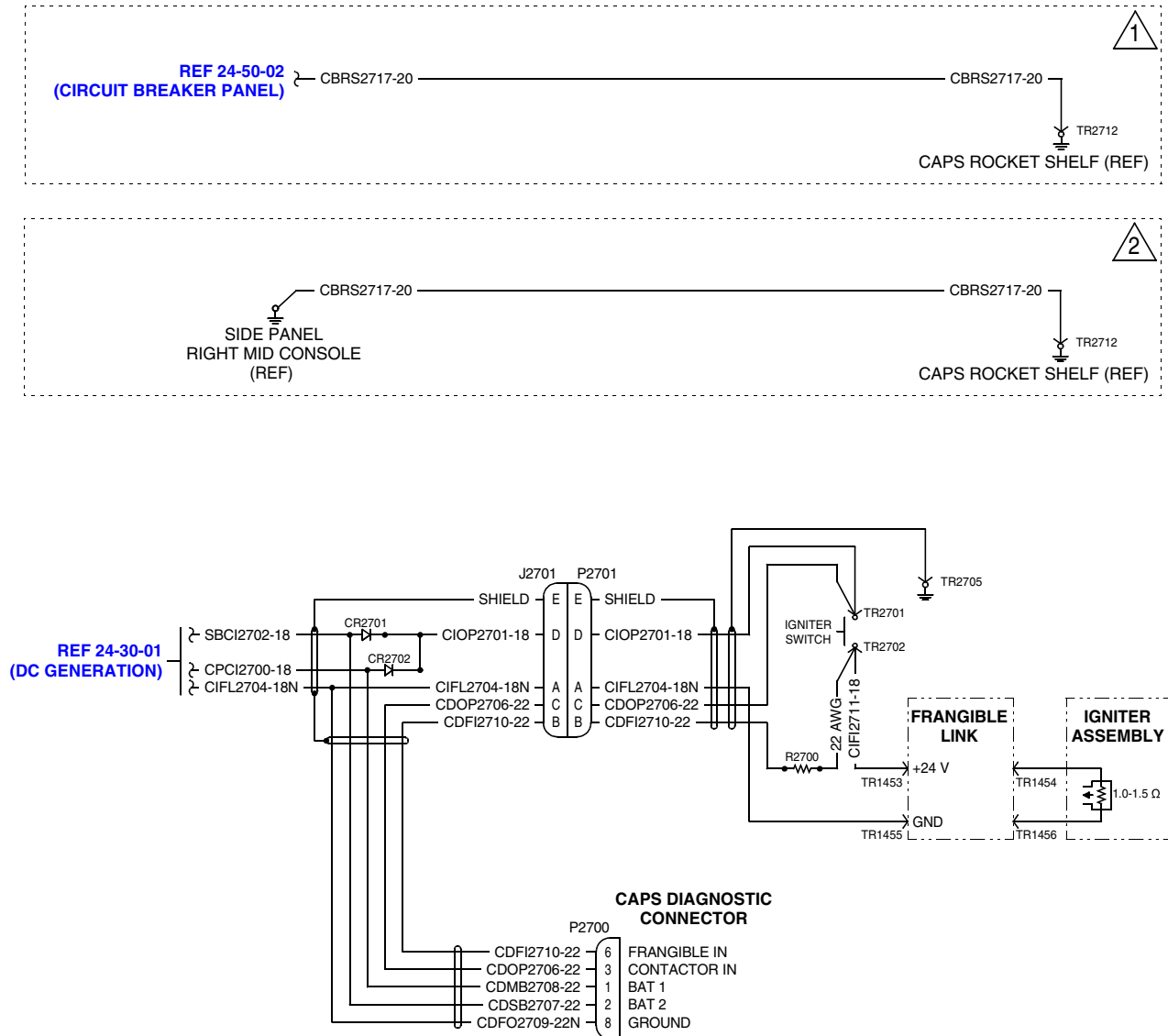
CAPS Installation - Serials 1005 & subs

Chap-Sect-Fig

95-00-01

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NOTES

Refer to 91-10-00 for connector and pin information.

① Serials w/ Perspective after SB2X-95-24.

② Serials w/o Perspective after SB2X-95-24.

WM29707_01C

Figure-01
CAPS Installation - Serials 1005 & subs

EFFECTIVITY:
Serials 1005 & subs

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CHAPTER

115

**FLIGHT
SIMULATOR
SYSTEMS**

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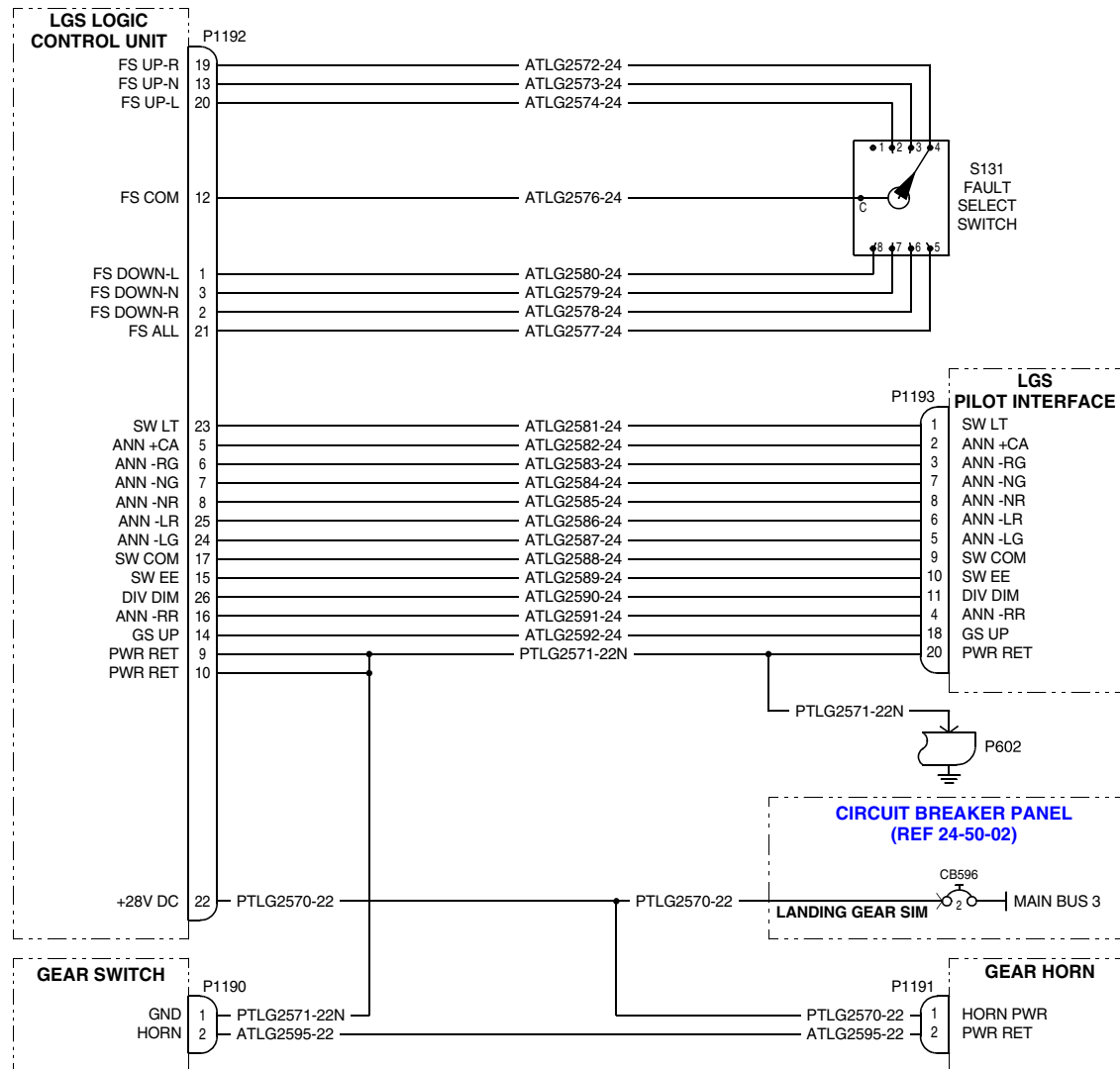
Subject

Cirrus Landing Gear Simulator - Serials 2016 & subs w/ Perspective Avionics

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NOTES

Refer to 91-10-00 for connector and pin information.

WM27984_01

Figure-01

Cirrus Landing Gear Simulator - Serials 2016 & subs w/ Perspective Avionics

EFFECTIVITY:
Serials 2016 & subs w/ Perspective Avionics

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