

CHAPTER

34

NAVIGATION



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<u>AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS)</u>						
AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - LEFT CONTROL & WARNING	34-21-11		101		Aug 18/2014	YT101-YT104
			102		Jun 21/2016	YT105-YT119 YT126-YT129
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AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - LEFT ADR OUTPUTS	34-21-14		101		Aug 15/2013	YT101-YT103
			102		Nov 18/2013	YT104
			103		Apr 17/2014	YT105
			104		Aug 31/2015	YT106-YT115
			105		Mar 14/2016	YT116-YT120
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AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT CONTROL & WARNING	34-21-21		101		Dec 10/2015	YT101-YT104
			102		Jun 21/2016	YT105-YT119 YT126-YT129
			103		Dec 10/2015	YT130-YT131
AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT SYSTEM INPUTS	34-21-22		101		Jun 21/2016	ALL
AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT IR OUTPUTS	34-21-23		101		Aug 15/2013	YT101-YT103
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AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT ADR OUTPUTS	34-21-24		101		Aug 15/2013	YT101-YT103
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<u>STANDBY ATTITUDE REFERENCE SYSTEM</u>						
INTEGRATED STANDBY FLIGHT DISPLAY	34-24-15		101		Jun 21/2016	ALL
<u>INSTRUMENT LANDING SYSTEM (ILS)</u>						
MMR - ILS NO. 1	34-31-11		101		Jun 21/2016	YT101-YT119 YT126-YT129
			102		Jun 21/2016	YT120 YT130-YT133
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MARKER BEACON	34-32-11		101		Jun 21/2016	ALL
<u>LOW RANGE RADIO ALTIMETER (LRRA) SYSTEM</u>						
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RADIO ALTIMETER - 2	34-33-21		101		Jun 21/2016	ALL
<u>HEAD-UP DISPLAY (HUD) SYSTEM</u>						
HEAD UP DISPLAY POWER AND ANNUNCIATION	34-36-11		101		Jun 21/2016	ALL
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				2	Jun 21/2016	ALL
HEAD UP DISPLAY SYSTEM INTERCONNECTS	34-36-13		101		Jun 21/2016	ALL
HEAD UP DISPLAY ON-BOARD DATA LOADER INTERFACES	34-36-14		101		Jun 21/2016	ALL
<u>WEATHER RADAR SYSTEM</u>						
WEATHER RADAR SYSTEM	34-41-11		101	1	Aug 15/2013	YT101-YT103
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				3	Aug 15/2013	YT101-YT103
				4	Aug 15/2013	YT101-YT103
				5	Aug 15/2013	YT101-YT103
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TRAFFIC COLLISION AVOIDANCE SYSTEM CONTROL AND DISPLAY	34-45-21		101		Jun 21/2016	ALL
<u>GROUND PROXIMITY WARNING SYSTEM</u>						
GROUND PROXIMITY WARNING	34-49-11		101	1	Oct 14/2014	YT101-YT103
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			102	1	Oct 14/2014	YT104
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				3	Nov 18/2013	YT104
				4	Nov 18/2013	YT104
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<u>VOR SYSTEM</u>						
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<u>ATC SYSTEM</u>						
ATC TRANSPONDER 1	34-53-11		101	1	Aug 15/2013	YT101-YT103
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			103	1	Apr 17/2014	YT104-YT105
			103	2	Apr 17/2014	YT104-YT105
			104	1	Jun 21/2016	YT106-YT117
			104	2	Jun 21/2016	YT106-YT117
			105	1	Jun 21/2016	YT118-YT120
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			103	1	Jun 21/2016	YT118-YT120 YT132-YT133
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ATC ENHANCED SURVEILLANCE	34-53-41		101		Jun 21/2016	ALL
<u>DISTANCE MEASURING SYSTEM (DME) SYSTEM</u>						
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				2	Jun 21/2016	ALL
DME NO. 2	34-55-21		101	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
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			102		Jun 21/2016	YT104-YT133
AUTOMATIC DIRECTION FINDER NO. 2	34-57-21		101		Aug 15/2013	YT101-YT103
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			103	1	Oct 14/2014	YT106-YT109
				2	Oct 14/2014	YT106-YT109
			104	1	Mar 14/2016	YT110-YT120
				2	Mar 14/2016	YT110-YT120
			105	1	May 15/2015	YT126-YT129
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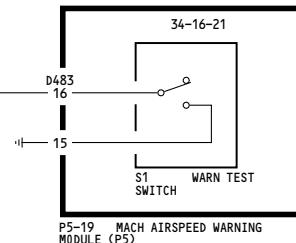
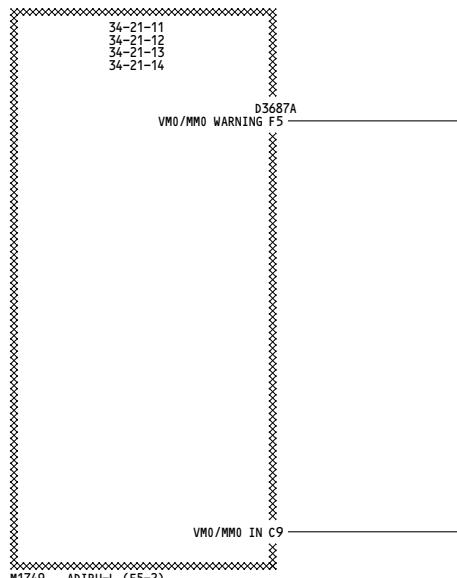
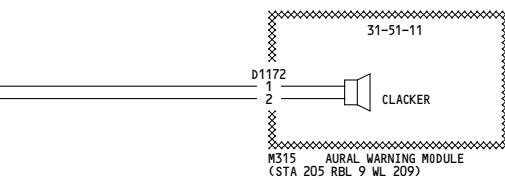
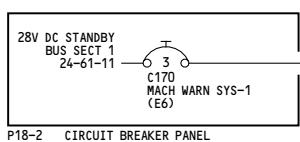
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1



ALL

AIR DATA - INERTIAL
REFERENCE SYSTEM
OVERSPEED TEST LEFT

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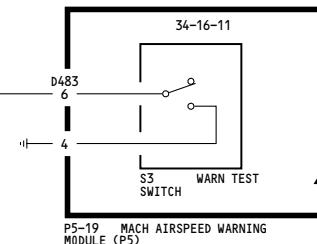
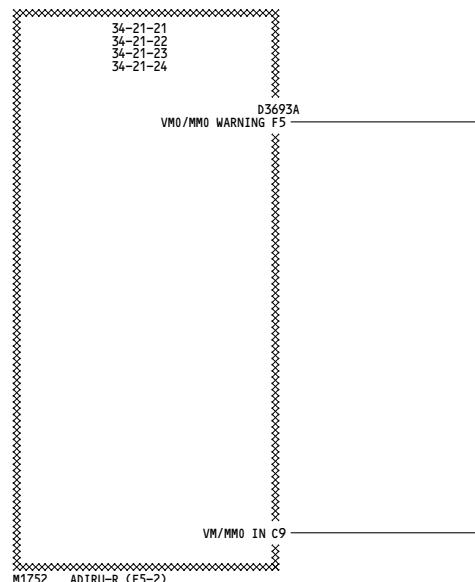
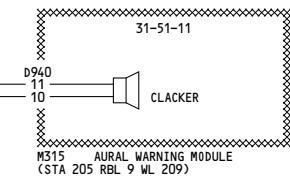
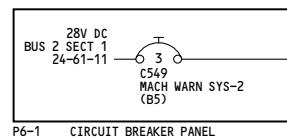
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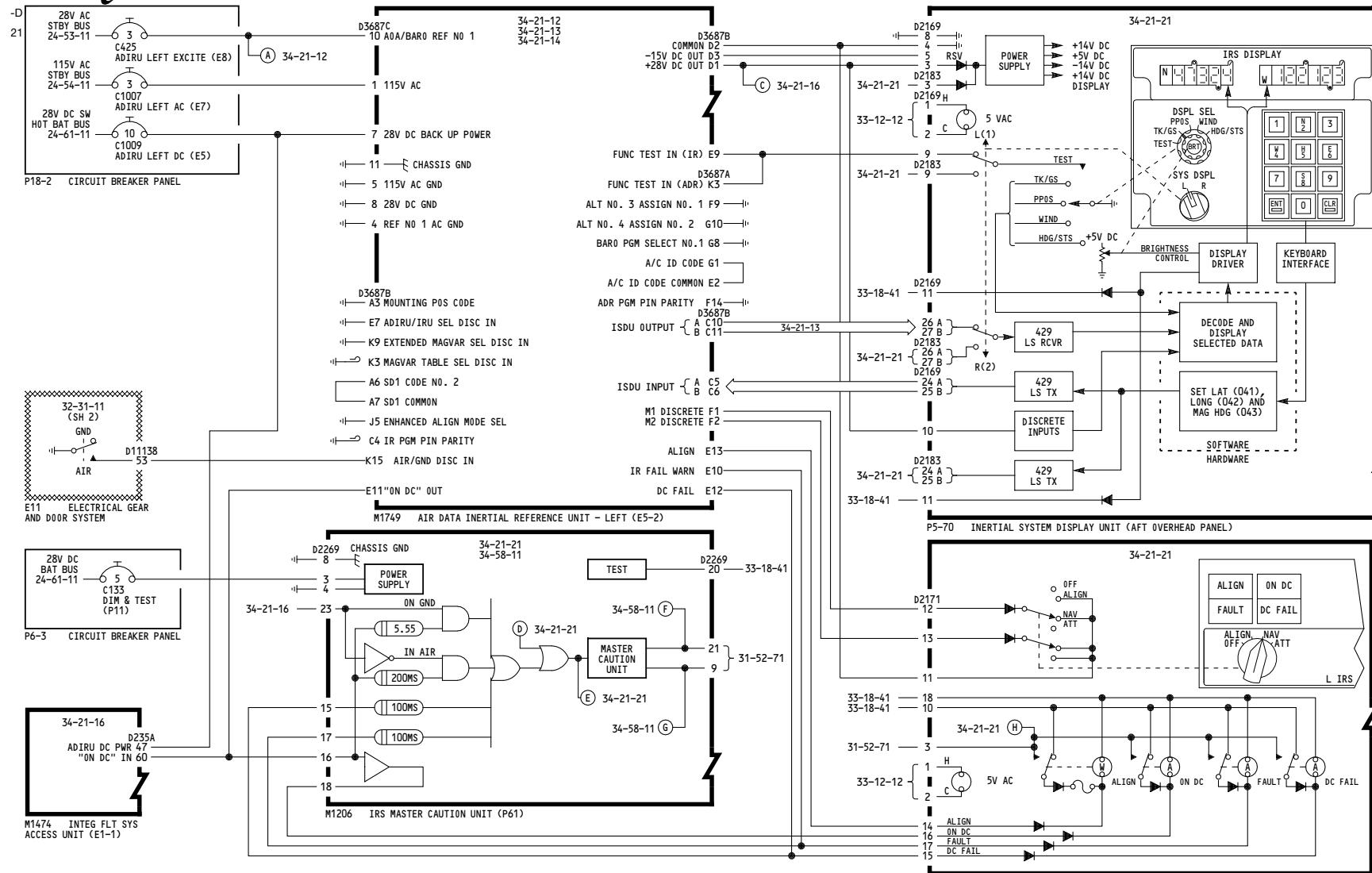

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YT101-YT104

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT CONTROL & WARNING**

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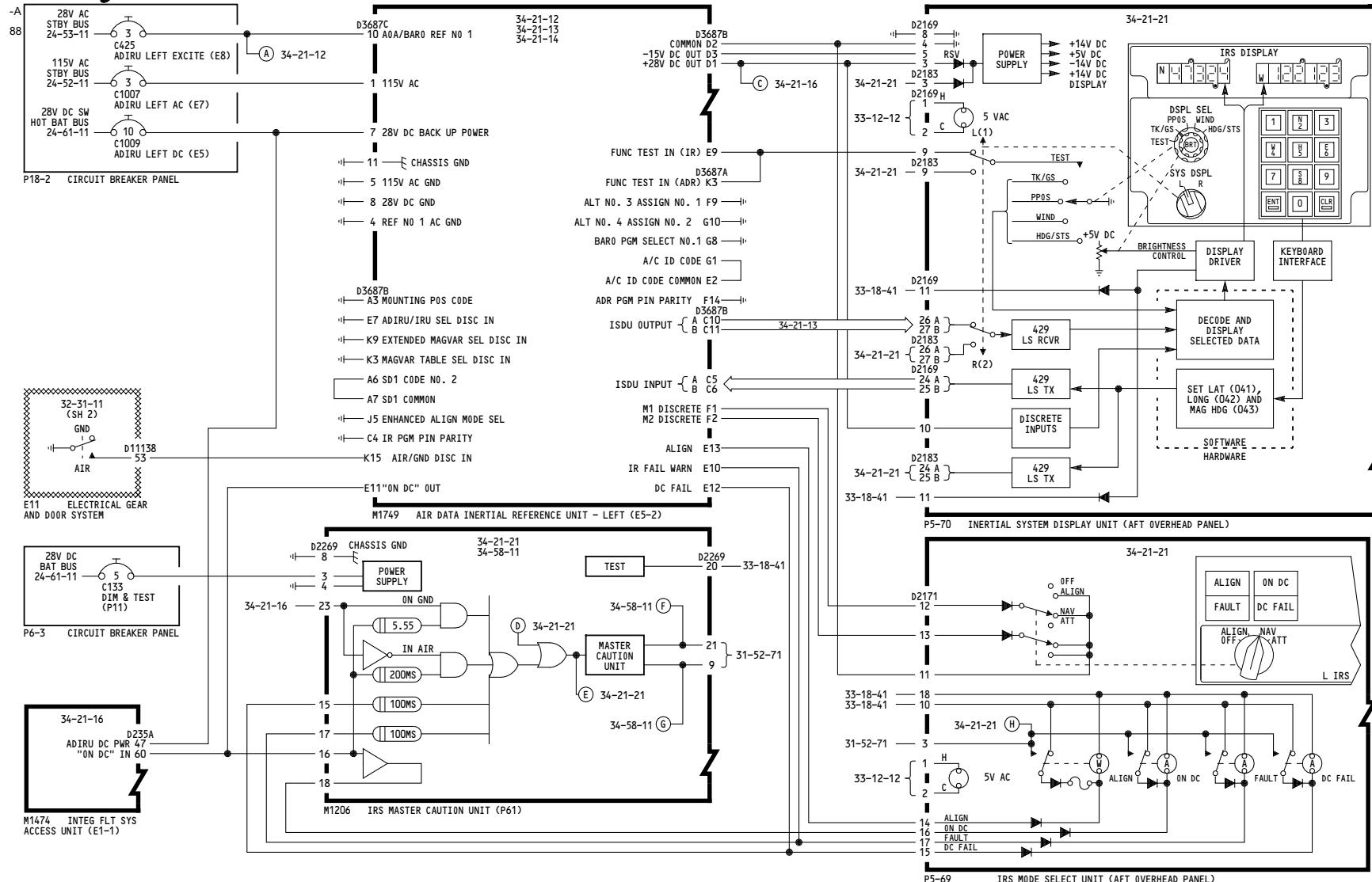
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YT105-YT119, YT126-YT129

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT CONTROL & WARNING**

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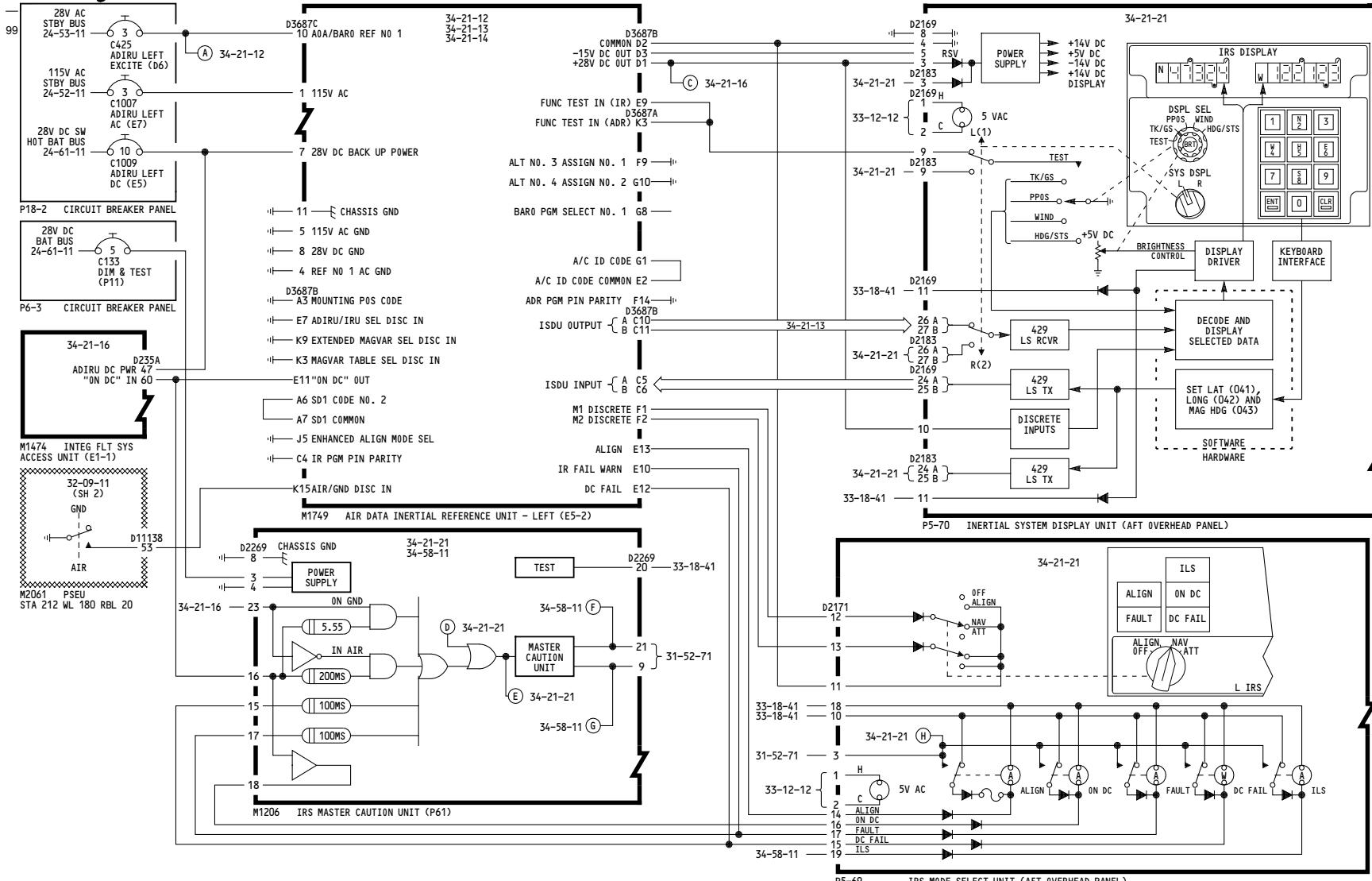
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YT120, YT130-YT133

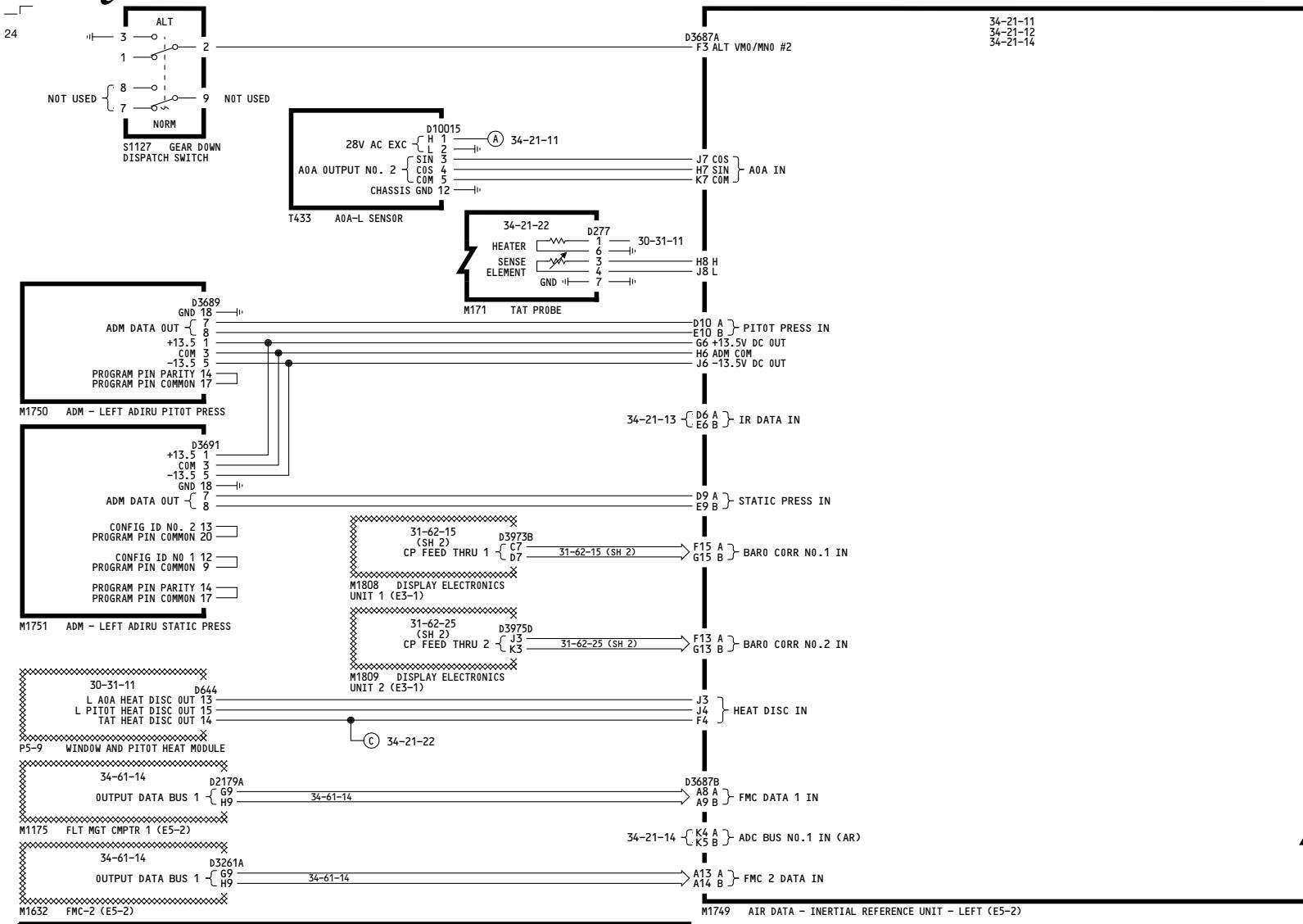
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT CONTROL & WARNING**

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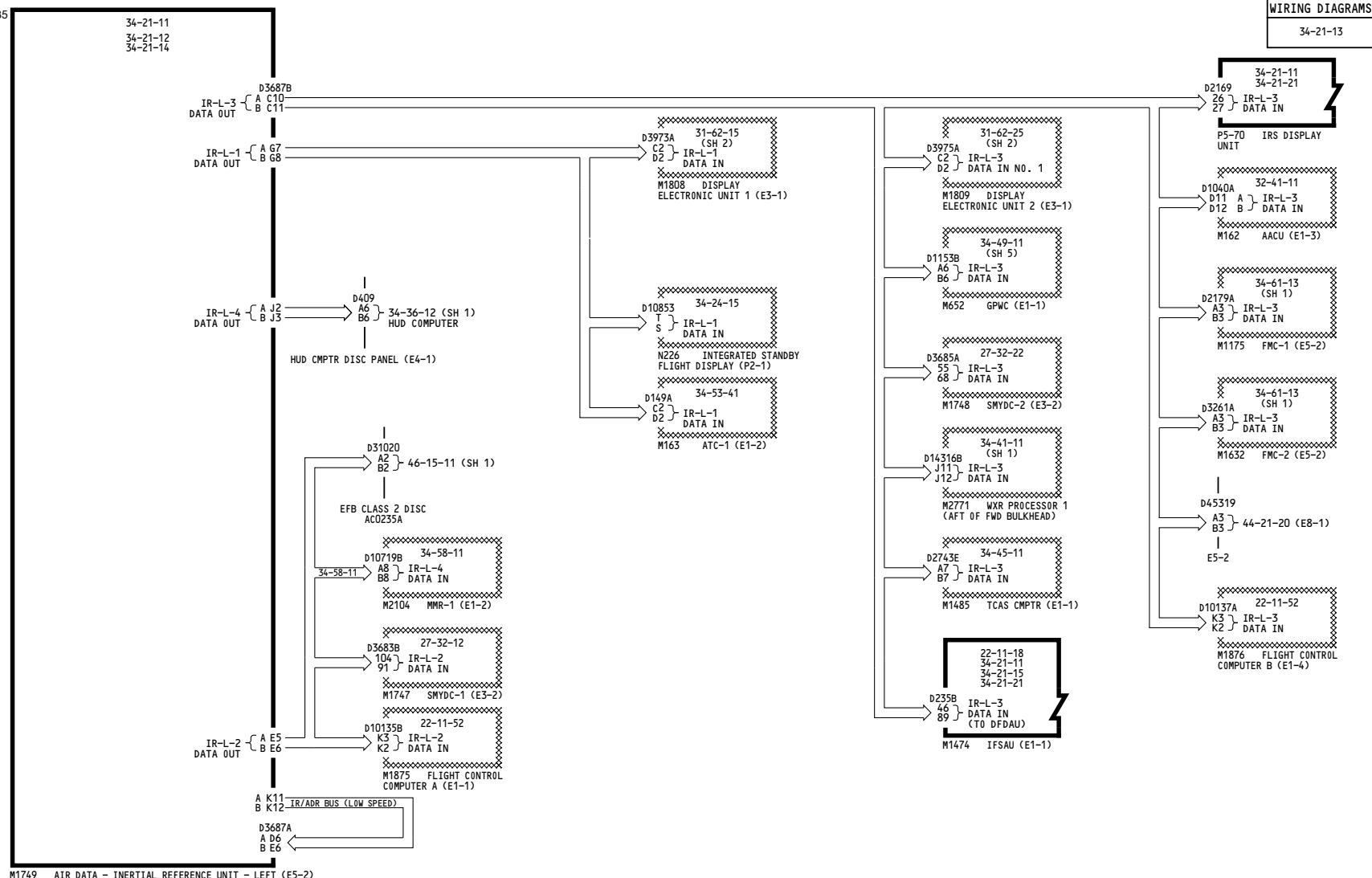
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ALL

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT SYSTEM INPUTS**

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435
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M1749 AIR DATA - INERTIAL REFERENCE UNIT - LEFT (E5-2)

YT101-YT103

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT IR OUTPUTS**

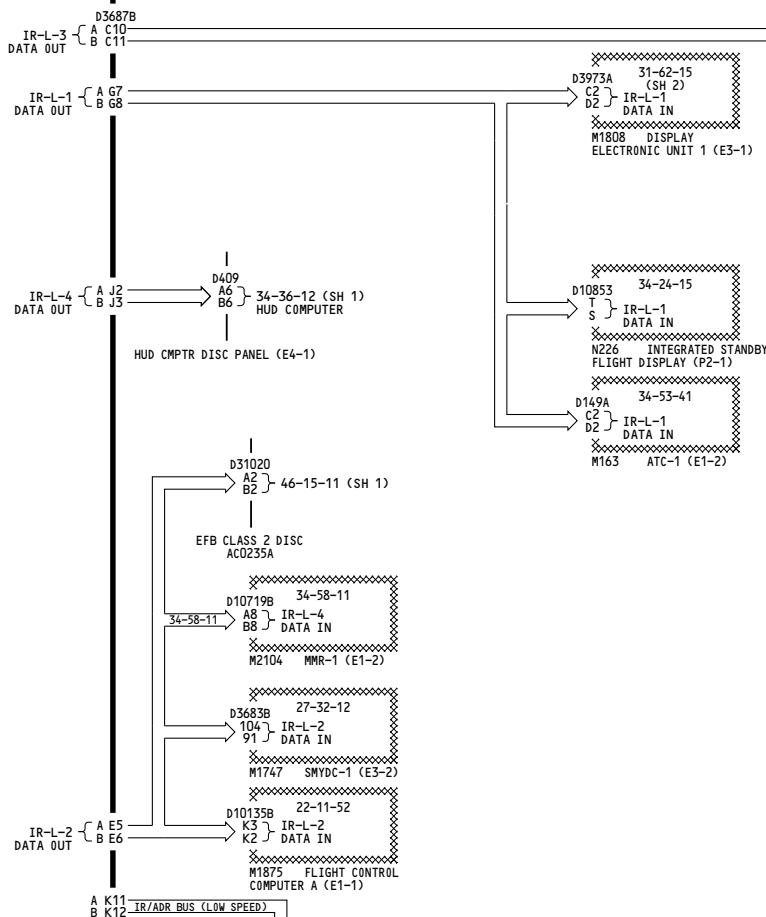
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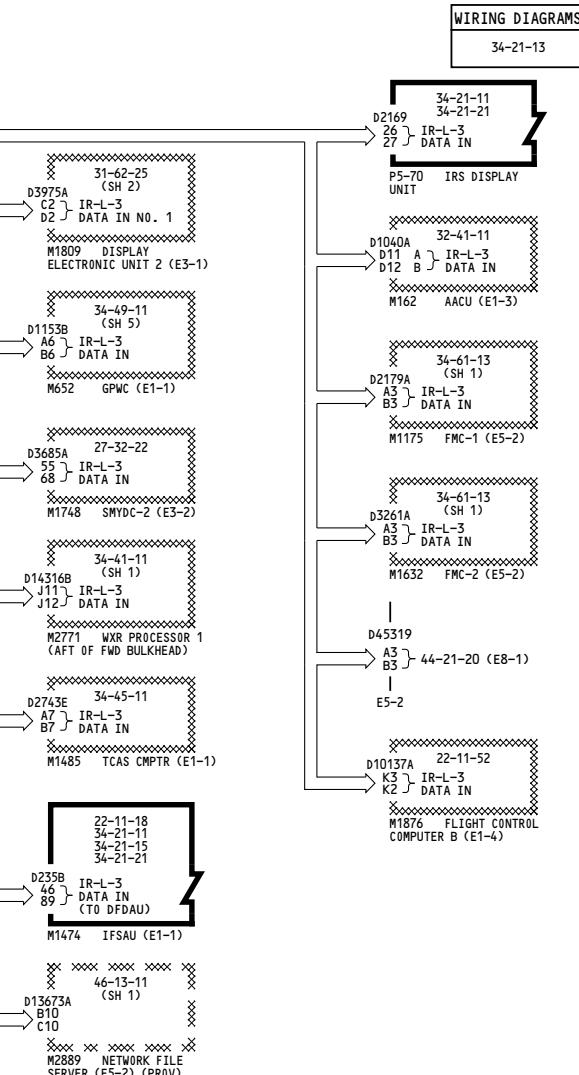


M1749 AIR DATA - INERTIAL REFERENCE UNIT - LEFT (E5-2)

YT104

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT IR OUTPUTS**

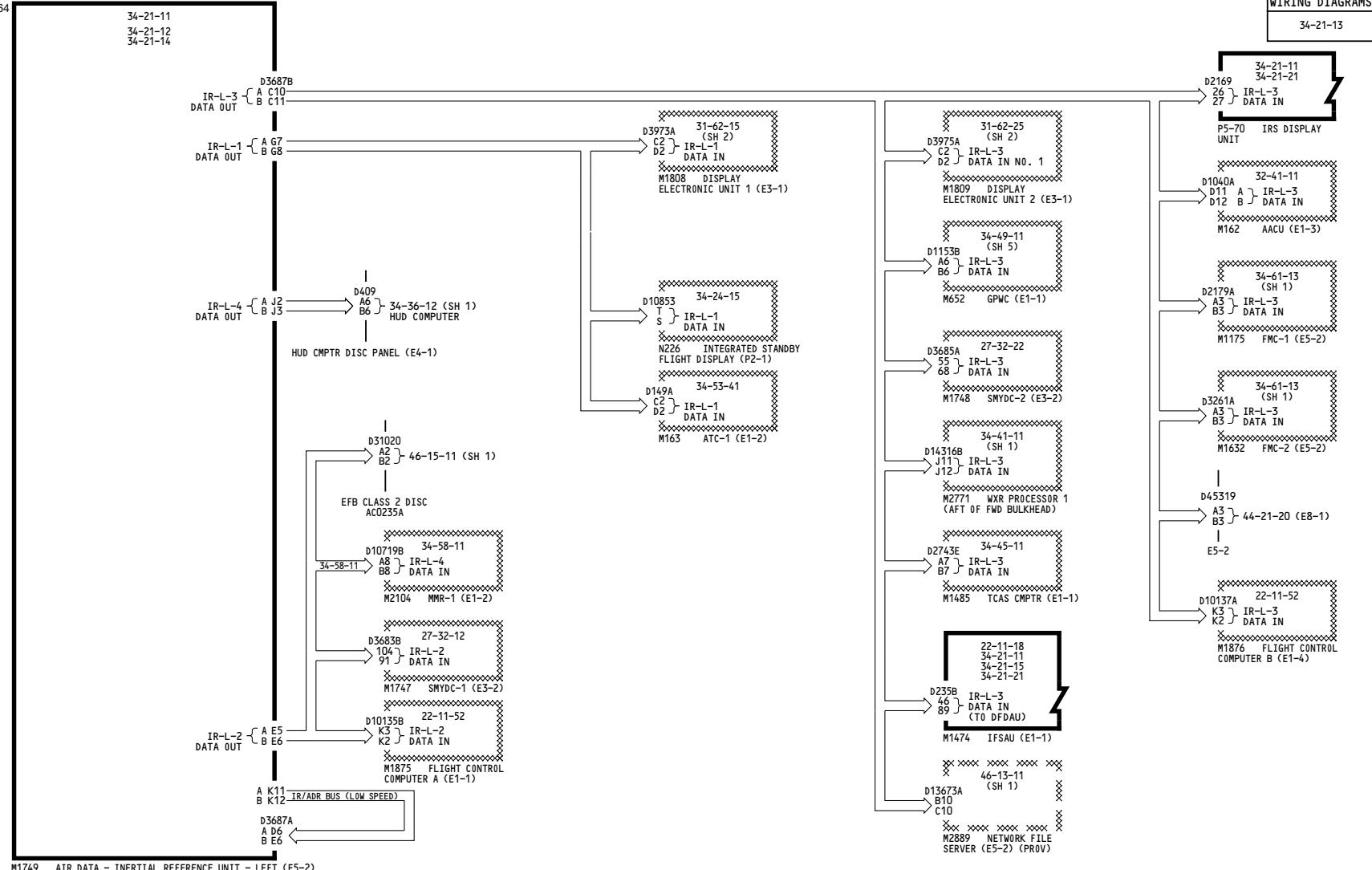
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YT105

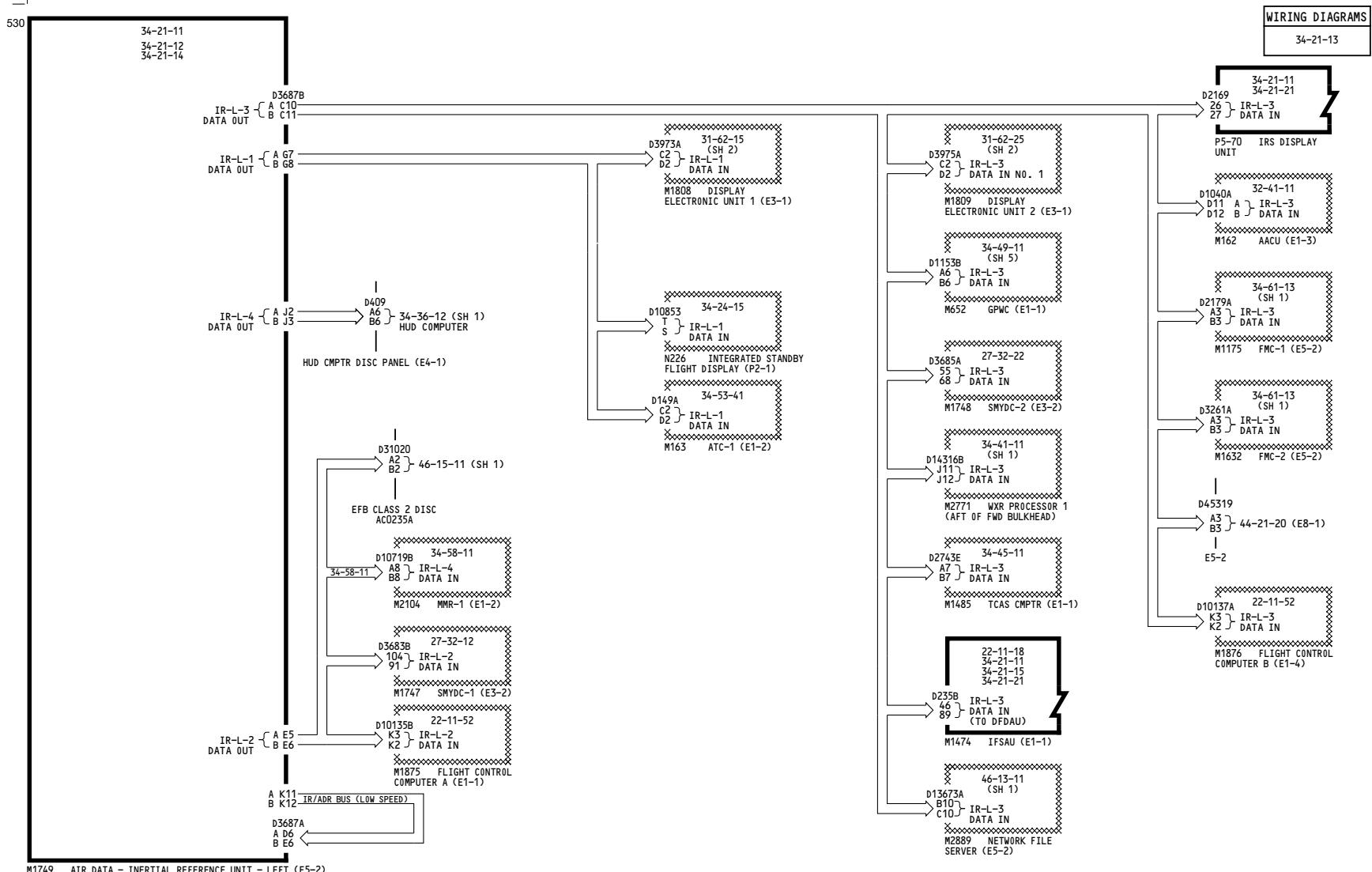
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT IR OUTPUTS**

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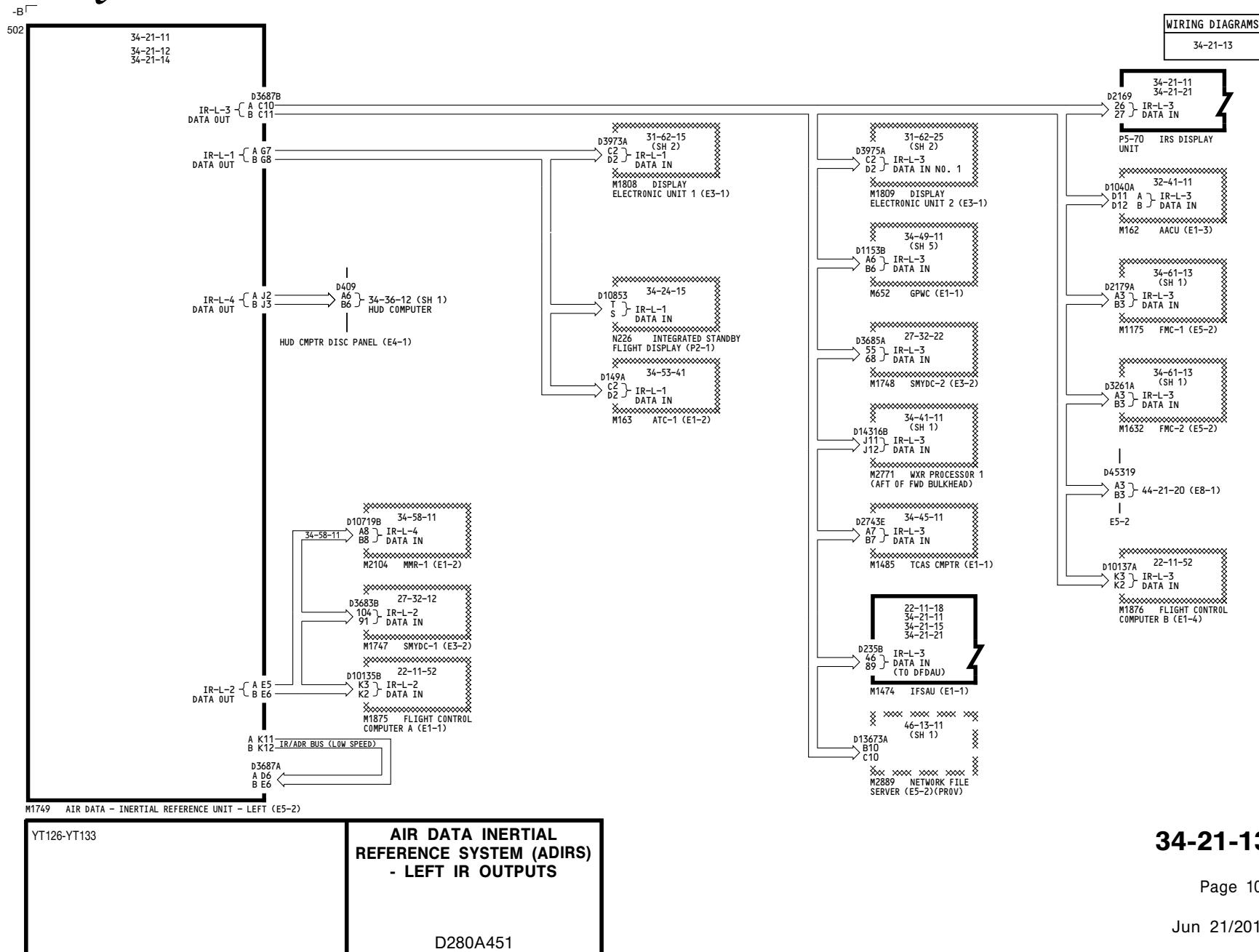
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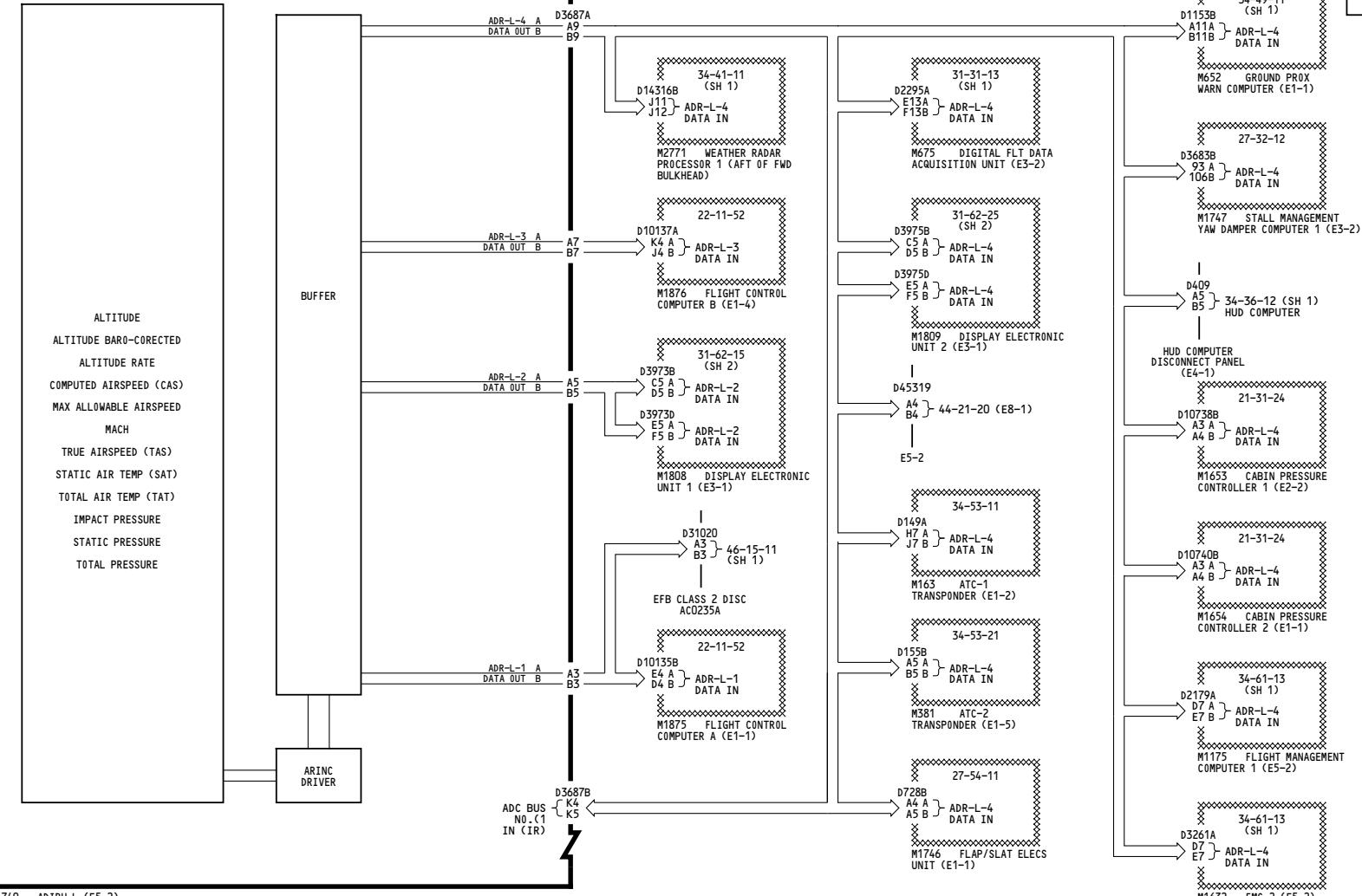
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YT106-YT120

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT IR OUTPUTS**

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YT101-YT103

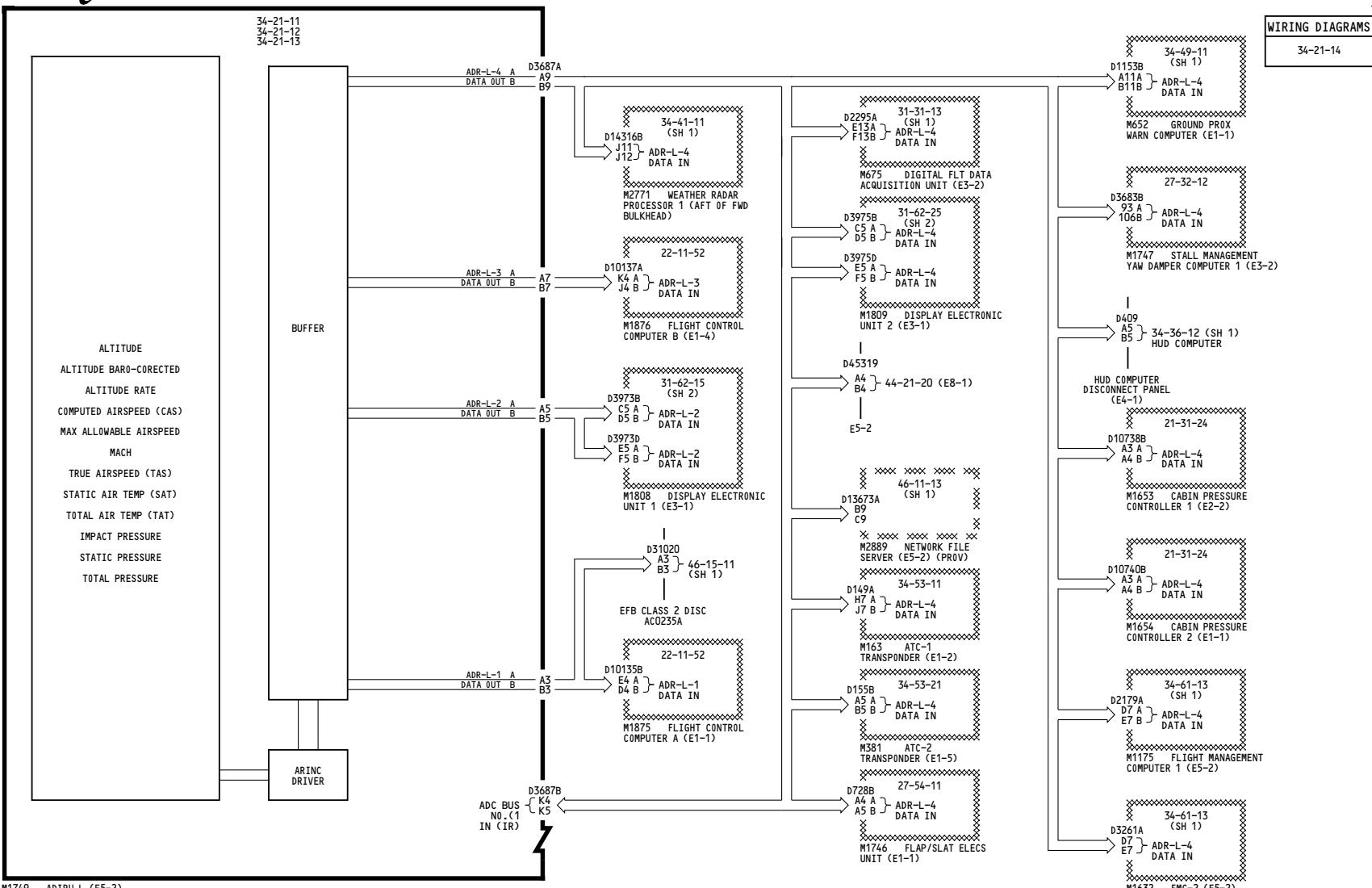
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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M1749 ADIRU L (E5-2)

YT104

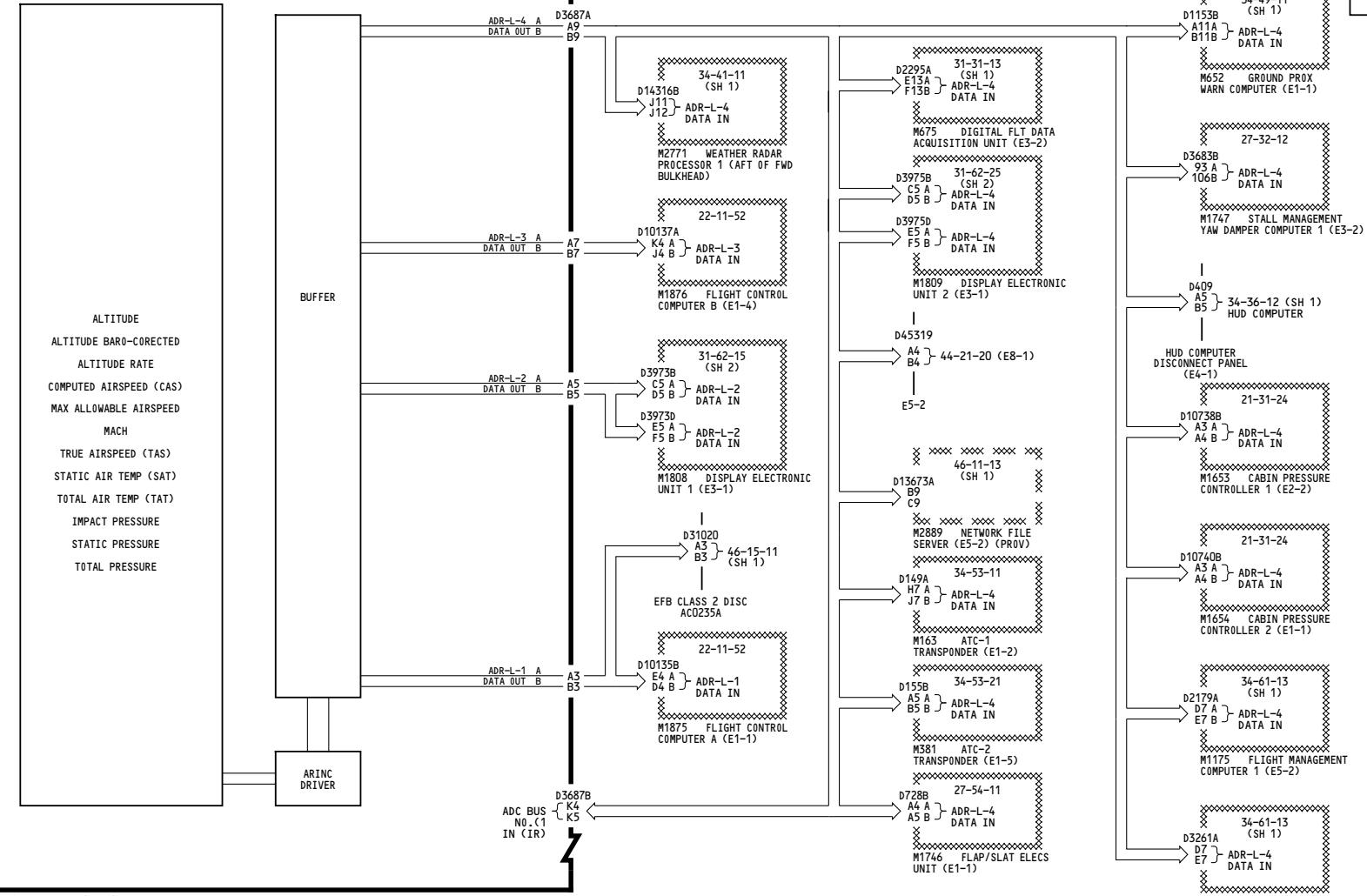
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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YT105

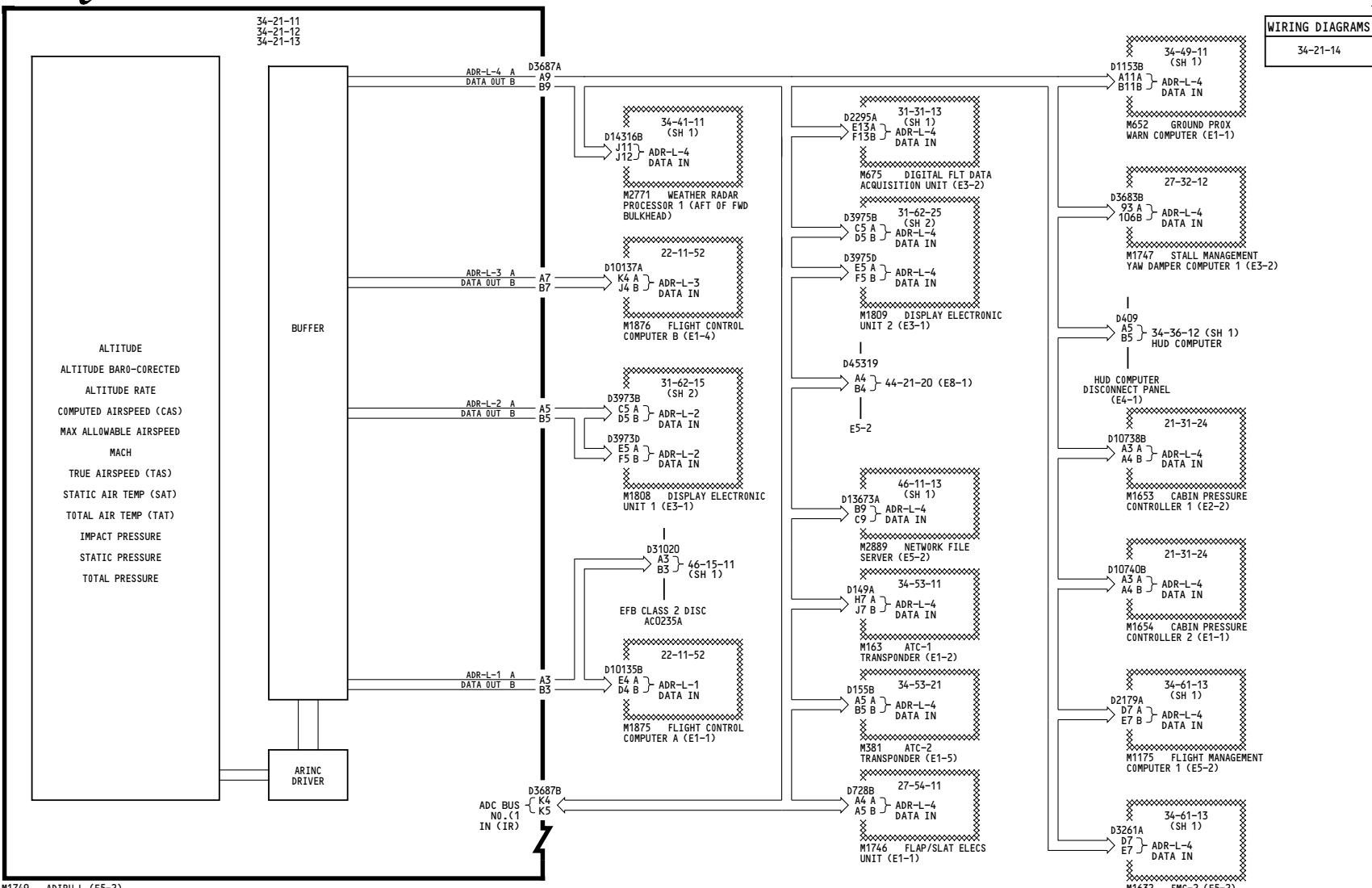
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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M1749 ADIRU L (E5-2)

YT106-YT115

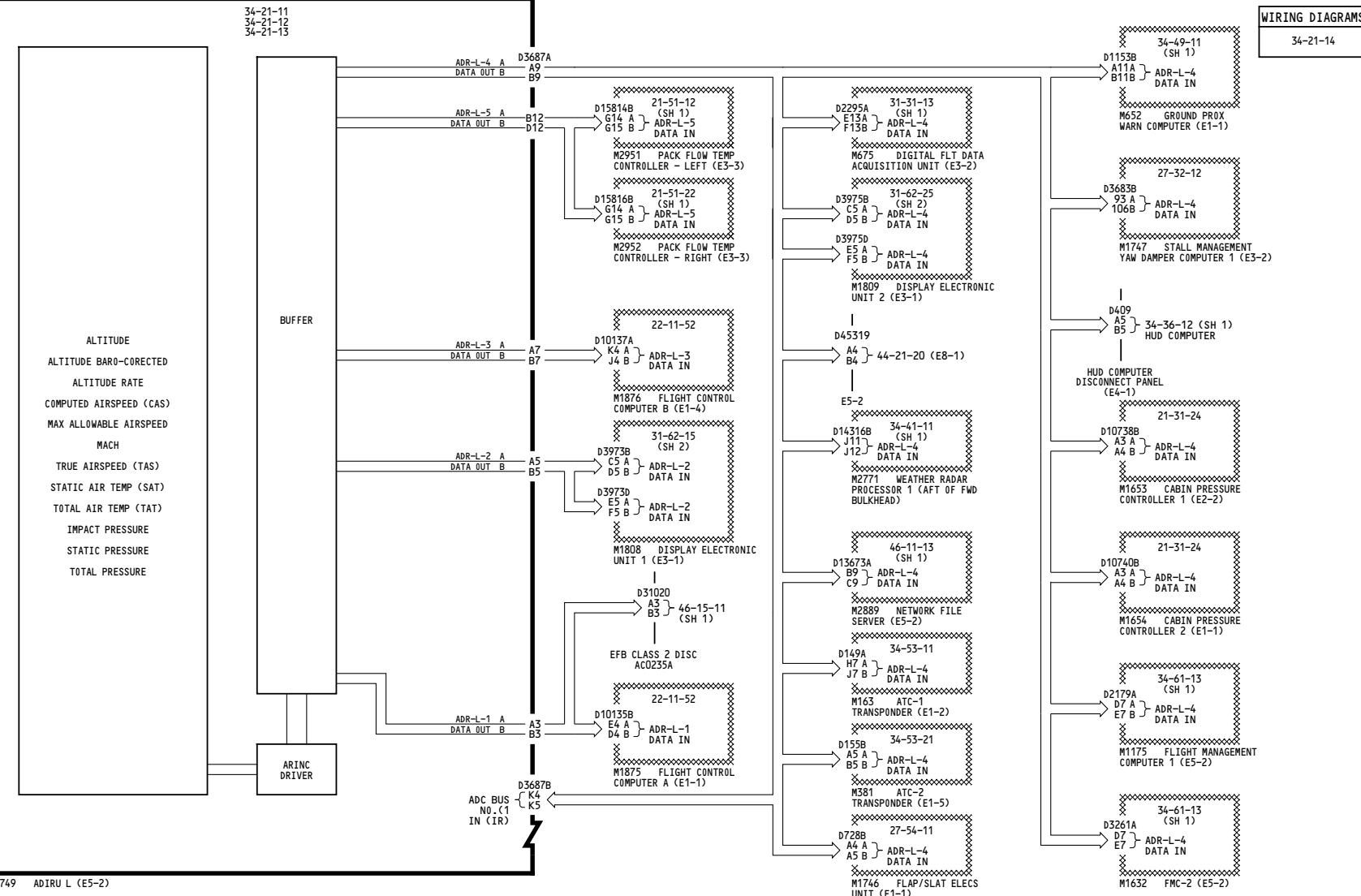
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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M1749 ADIRU L (E5-2)

YT116-YT120

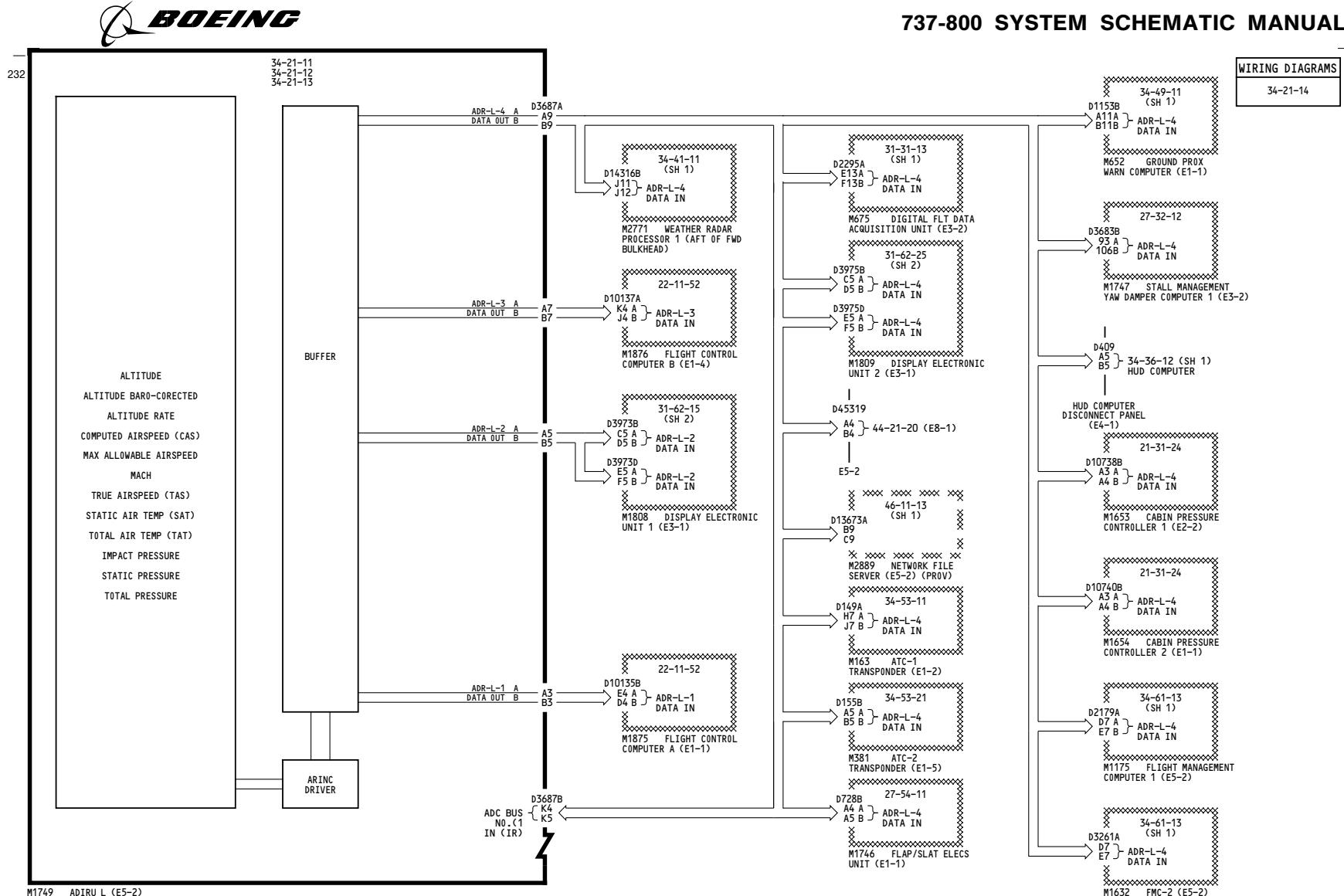
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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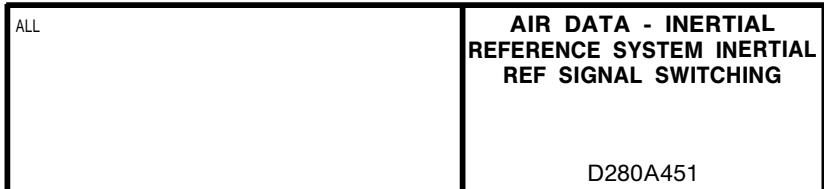
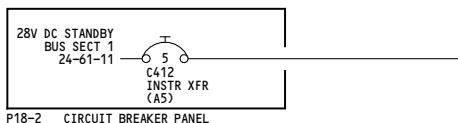
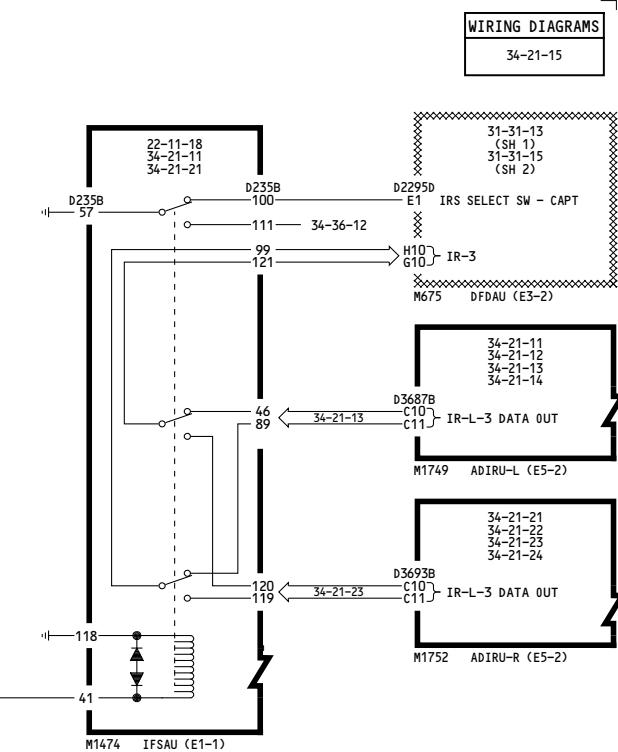
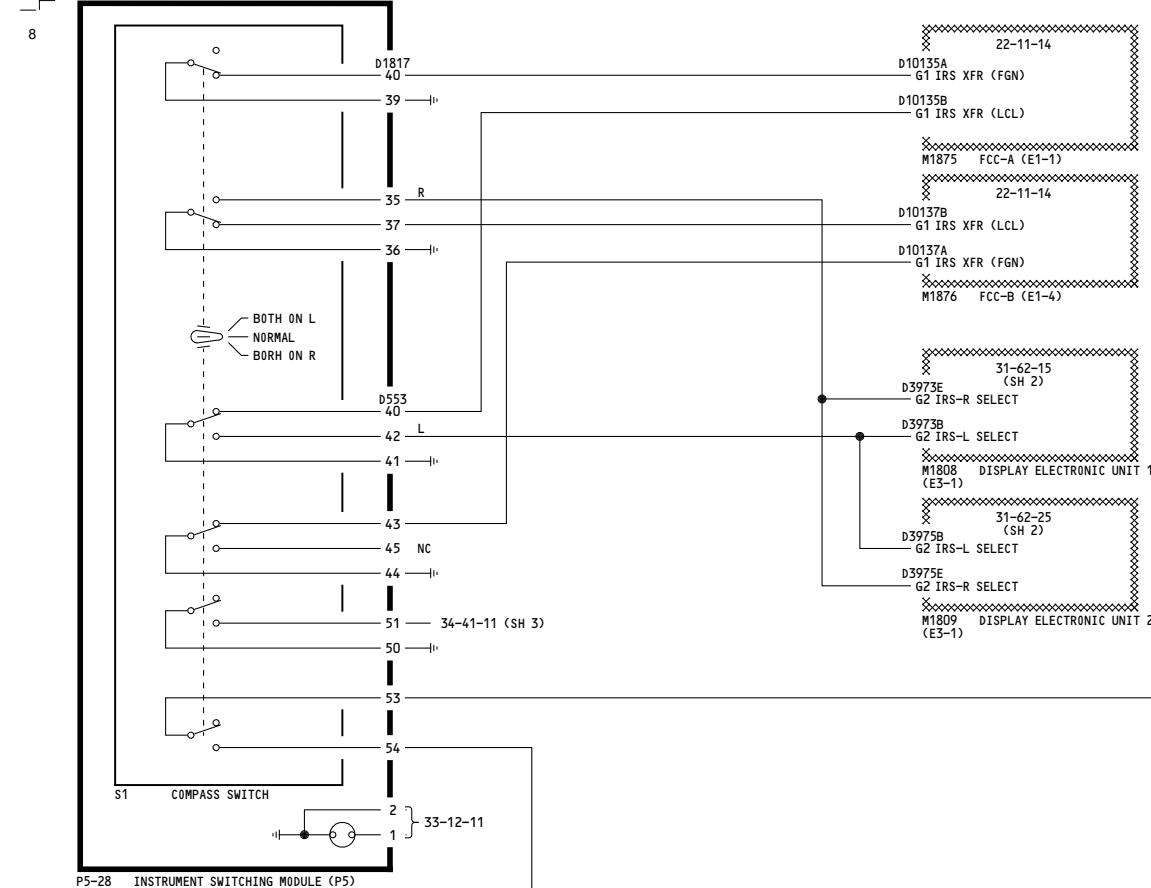
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- LEFT ADR OUTPUTS**

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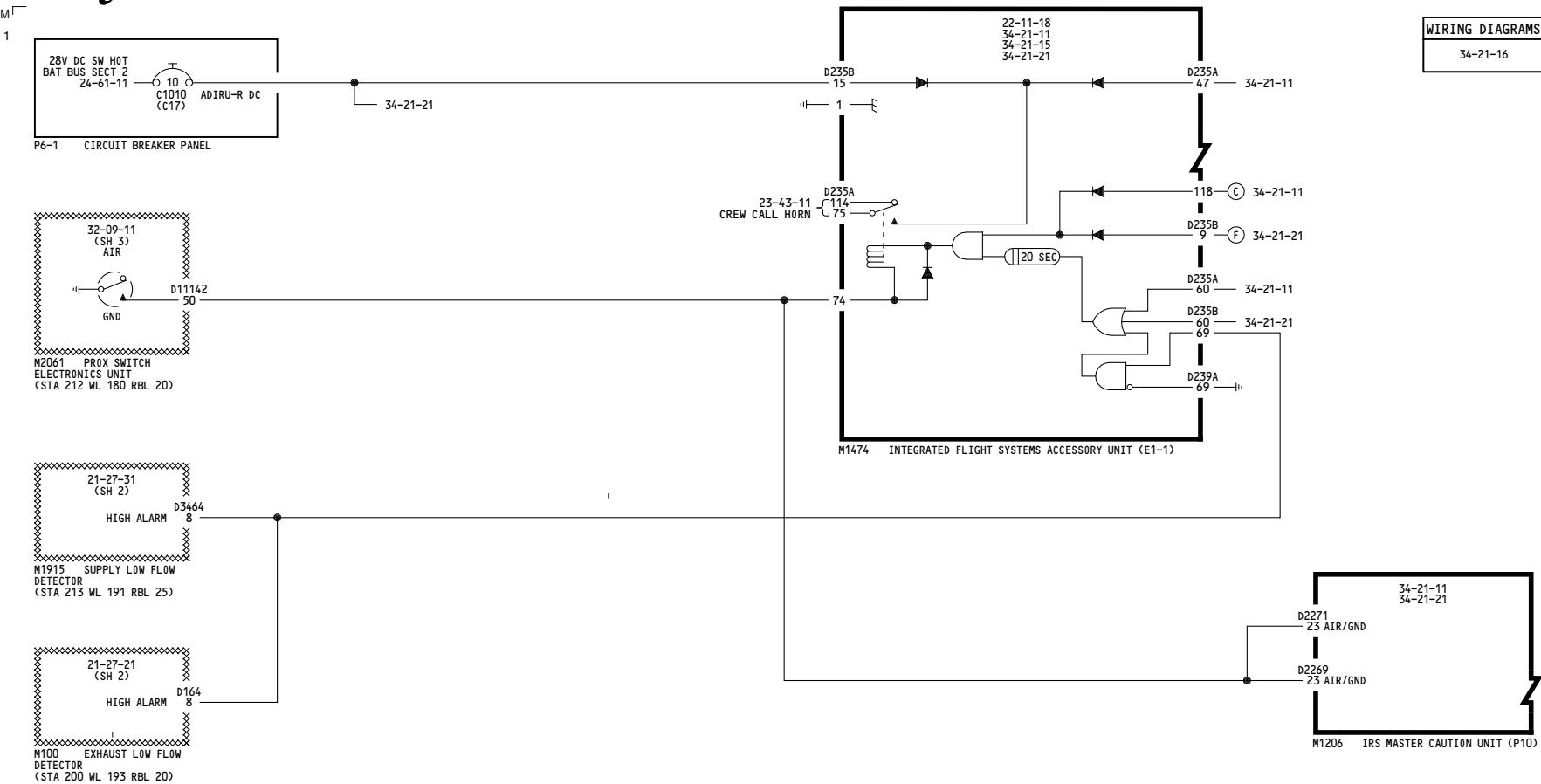
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WIRING DIAGRAMS
34-21-16



ALL

**ADIRS - NO COOLING
AND "ON DC" OPERATION
WARNING**

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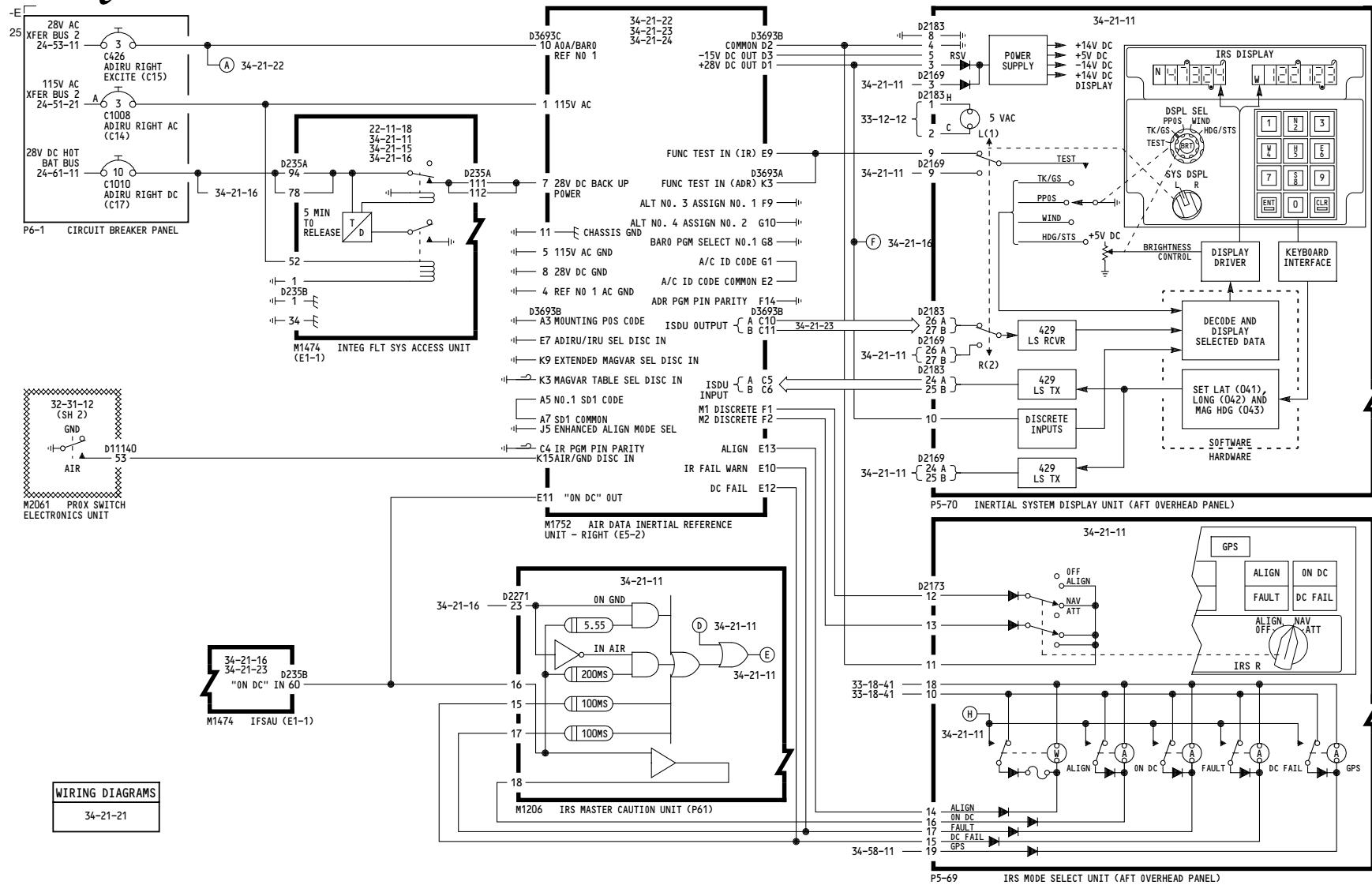
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YT101-YT104

AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT CONTROL & WARNING

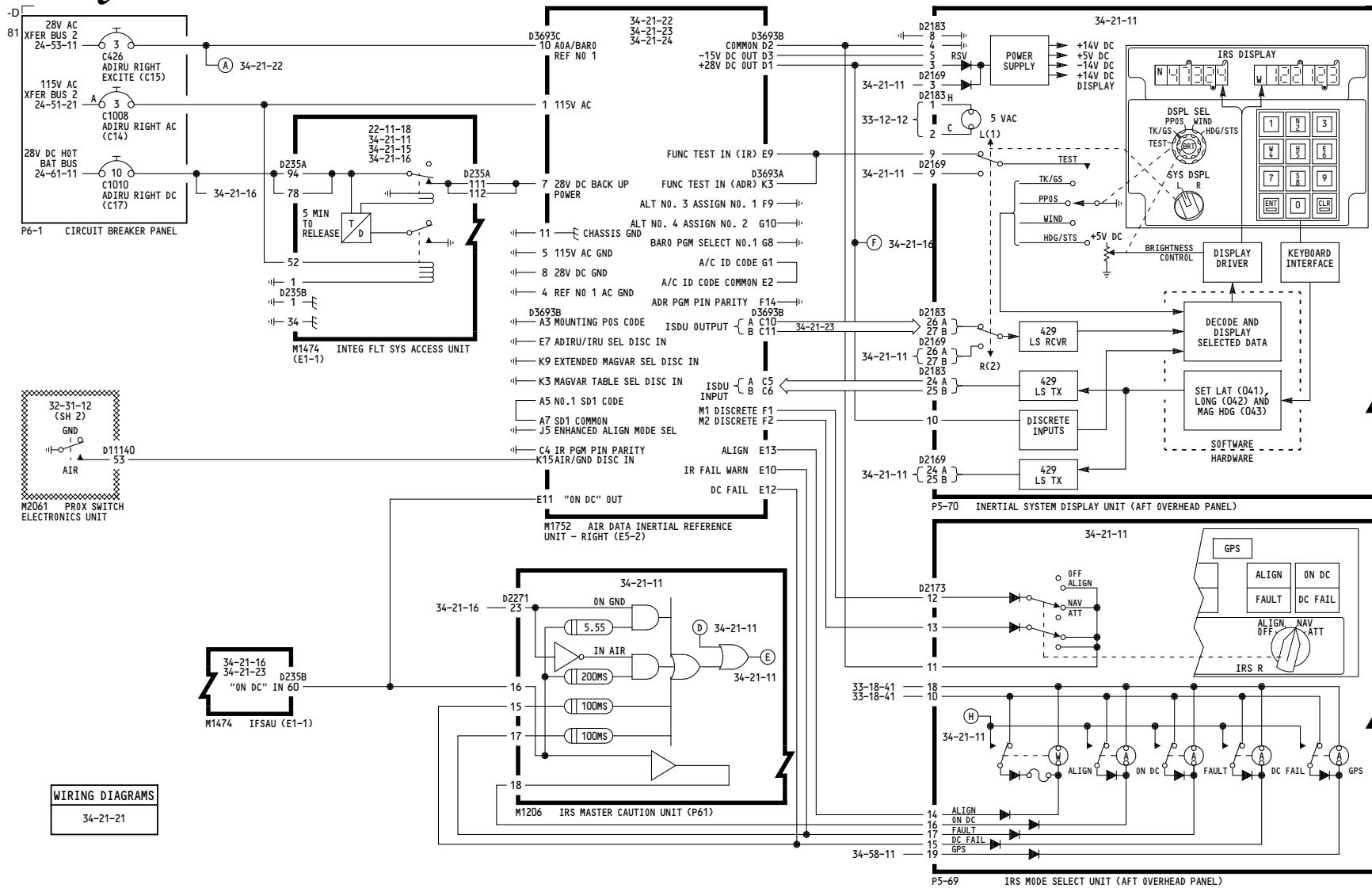
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YT105-YT119, YT126-YT129

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT CONTROL & WARNING**

D280A451

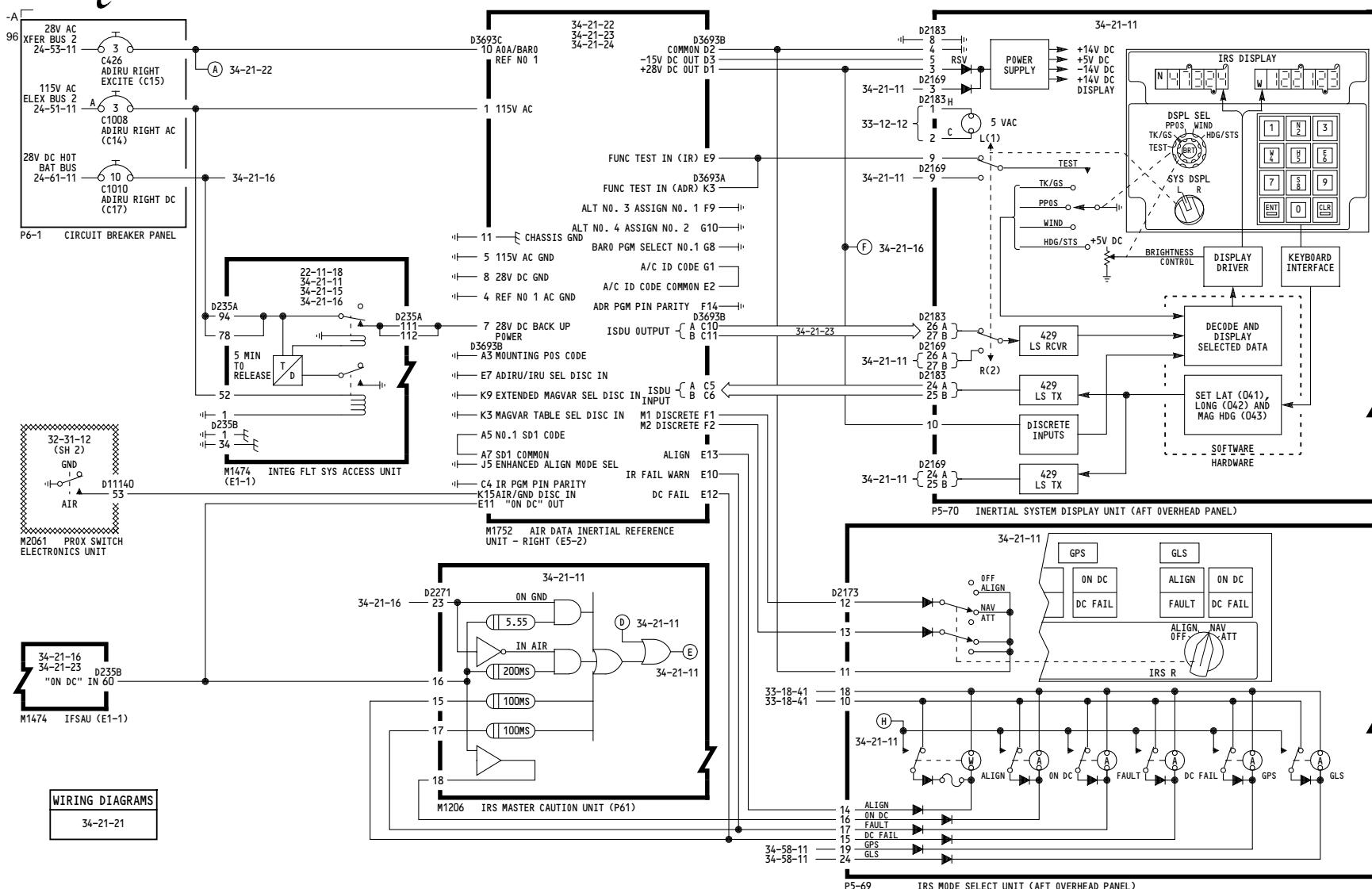
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YT130-YT131

AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT CONTROL & WARNING

D280A451

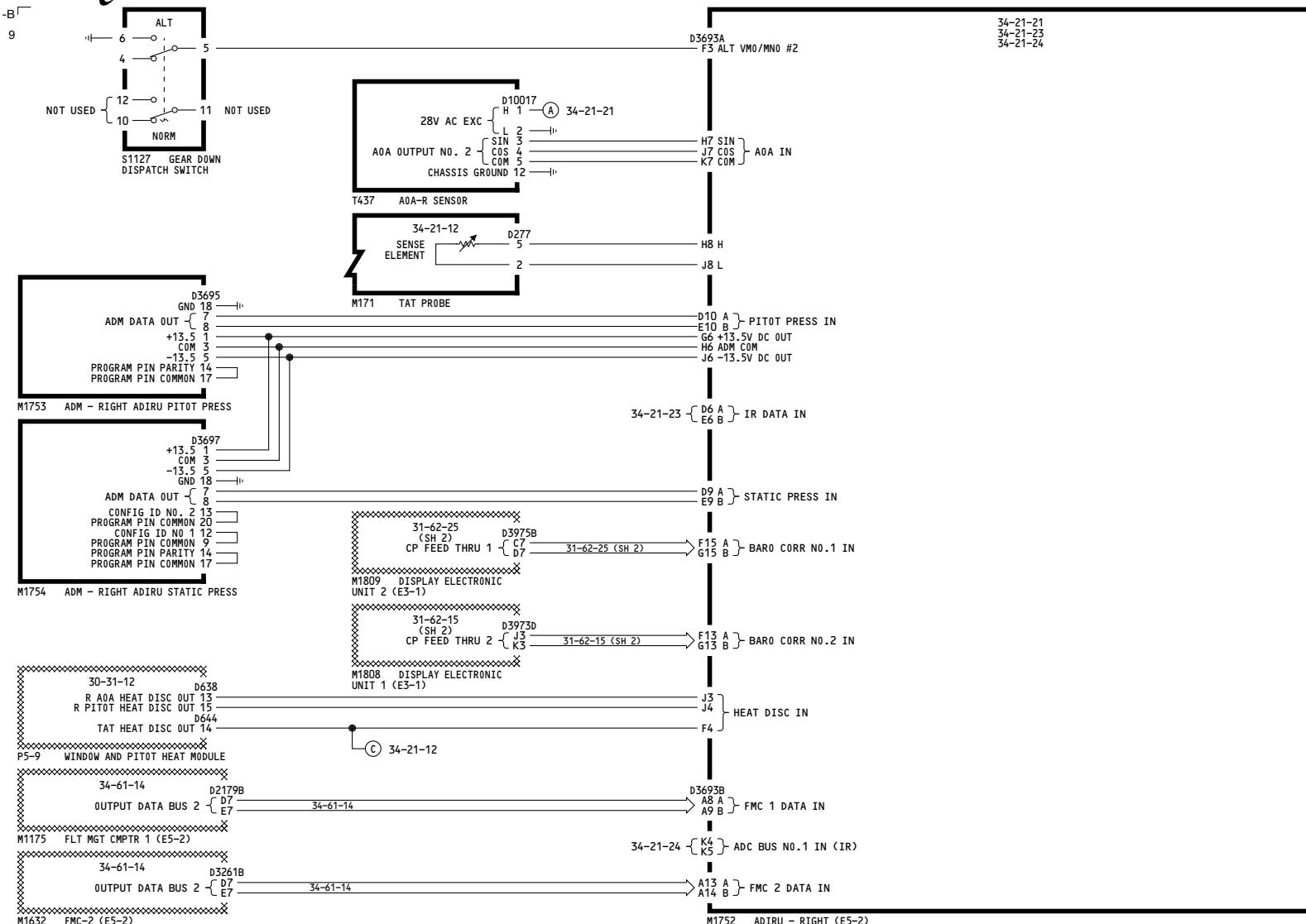
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WIRING DIAGRAMS
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ALL

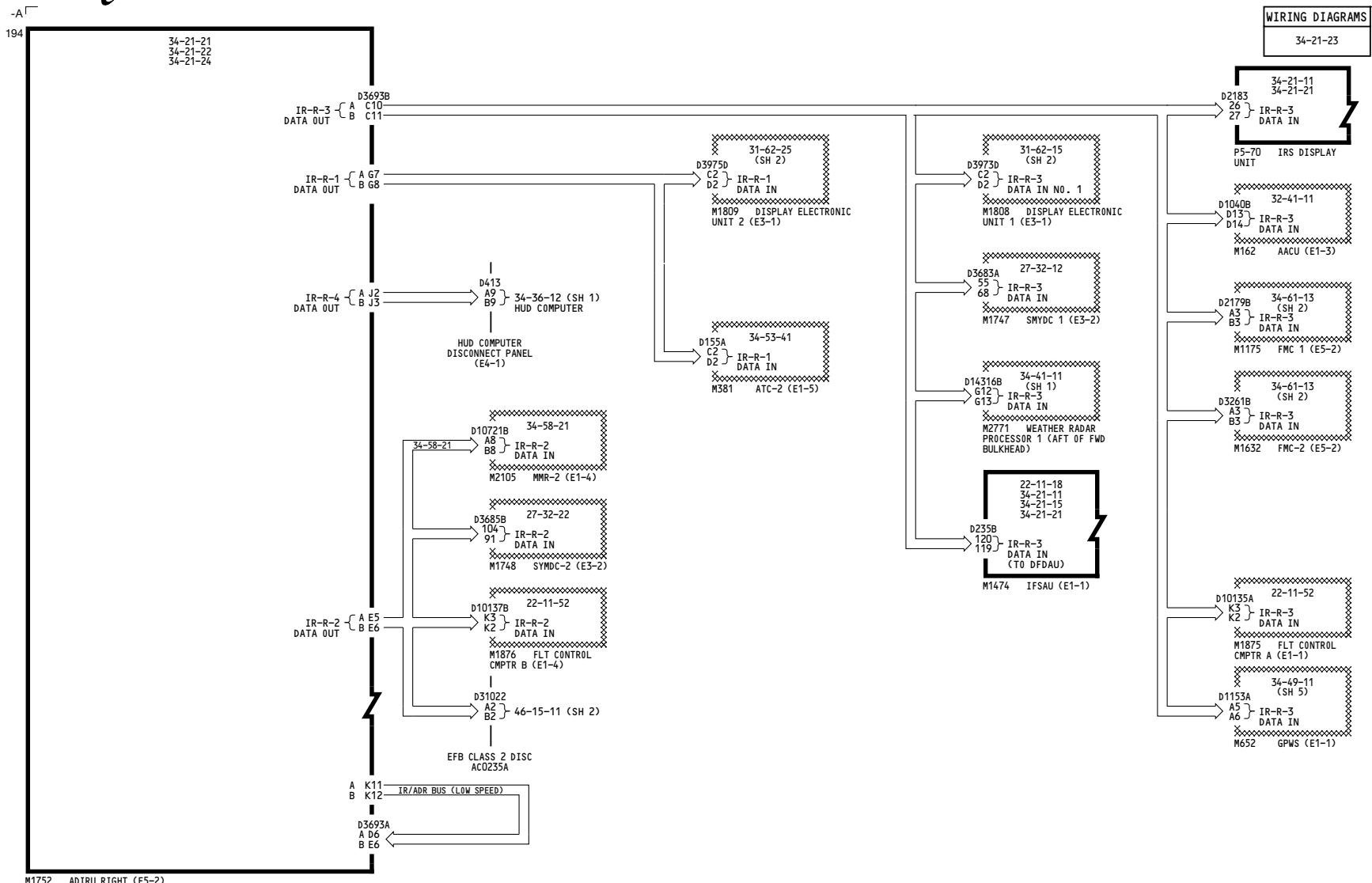
AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT SYSTEM INPUTS

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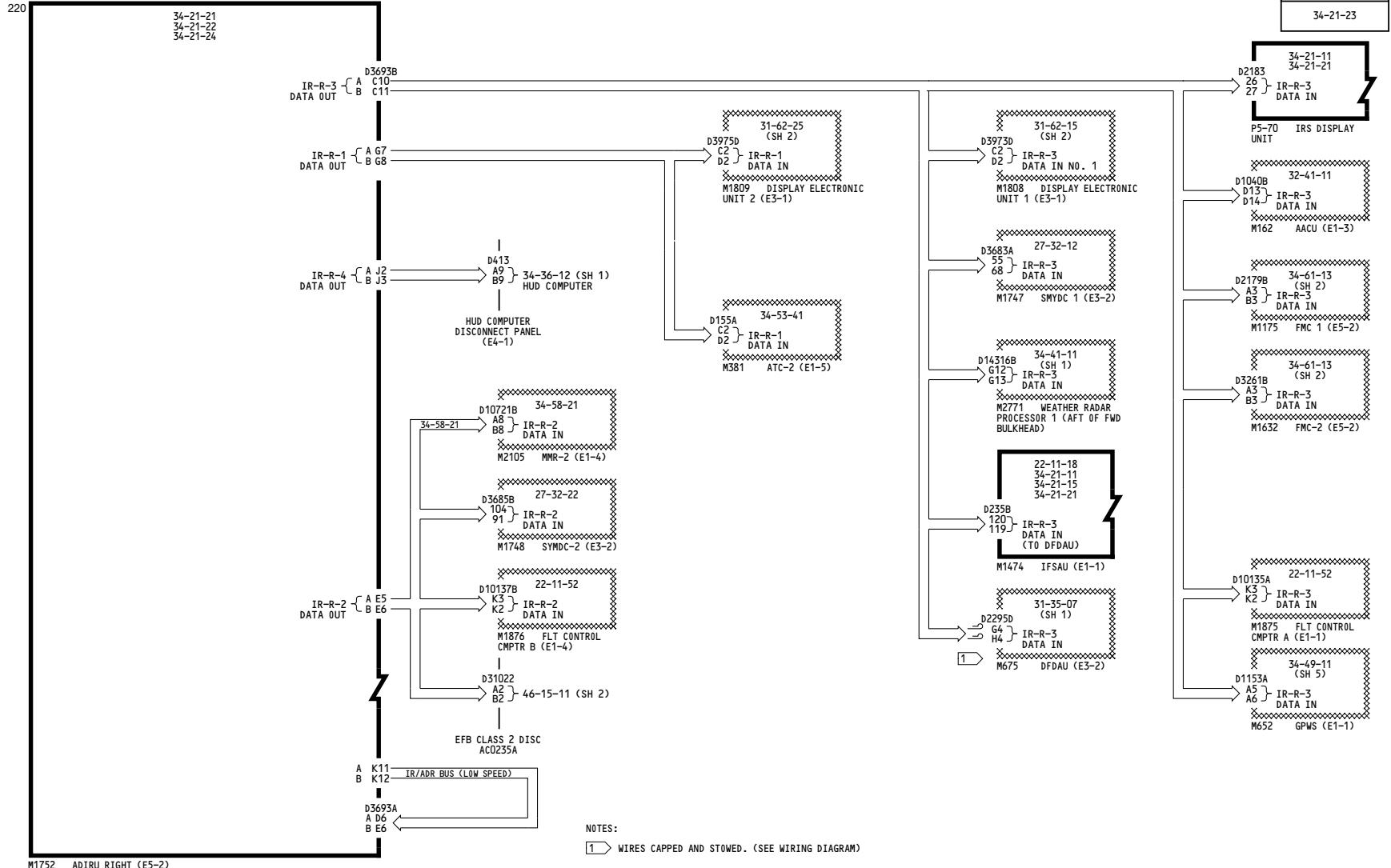
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YT104-YT120

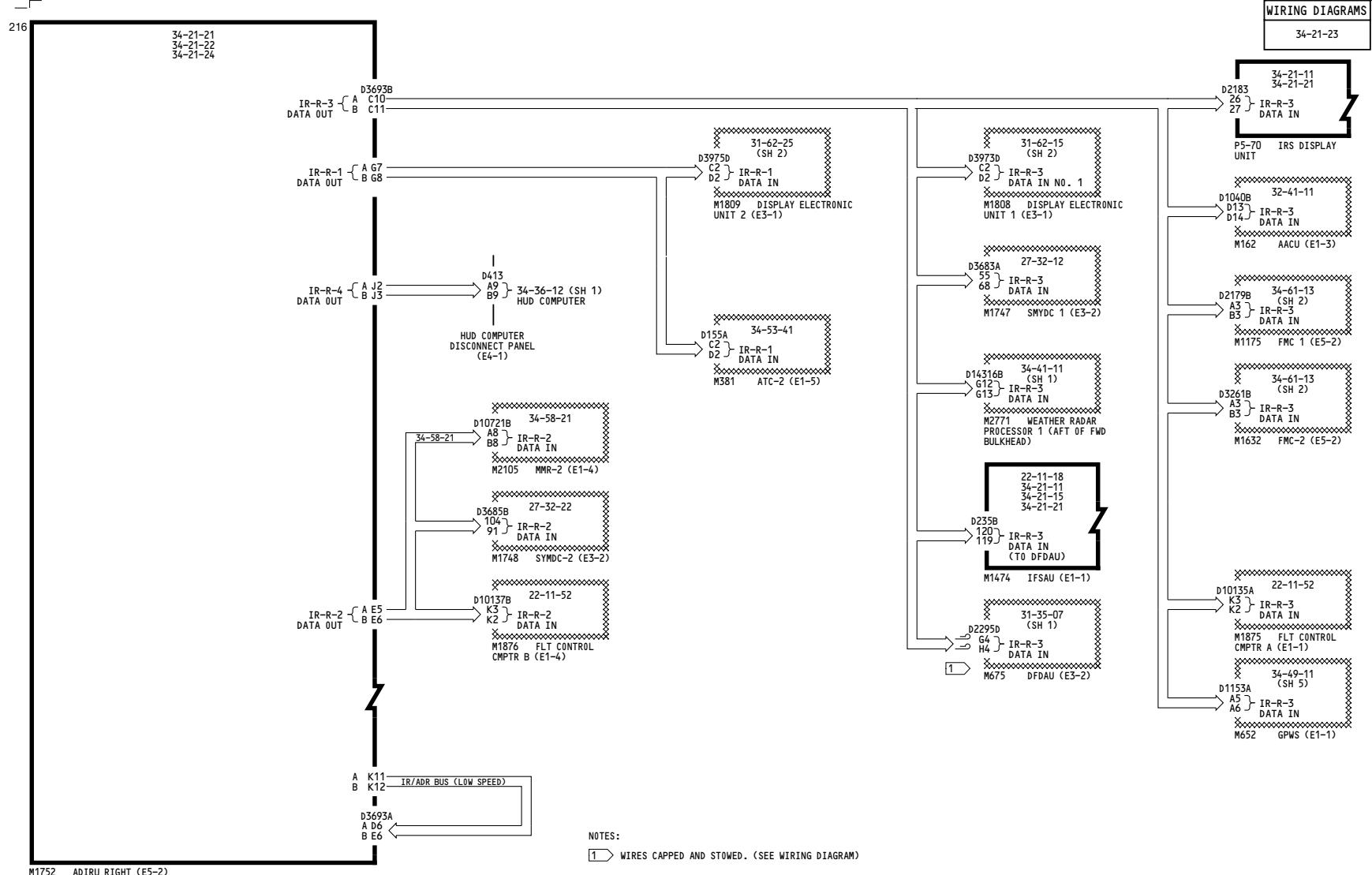
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT IR OUTPUTS**

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M1752 ADIRU RIGHT (E5-2)

YT126-YT133

**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT IR OUTPUTS**

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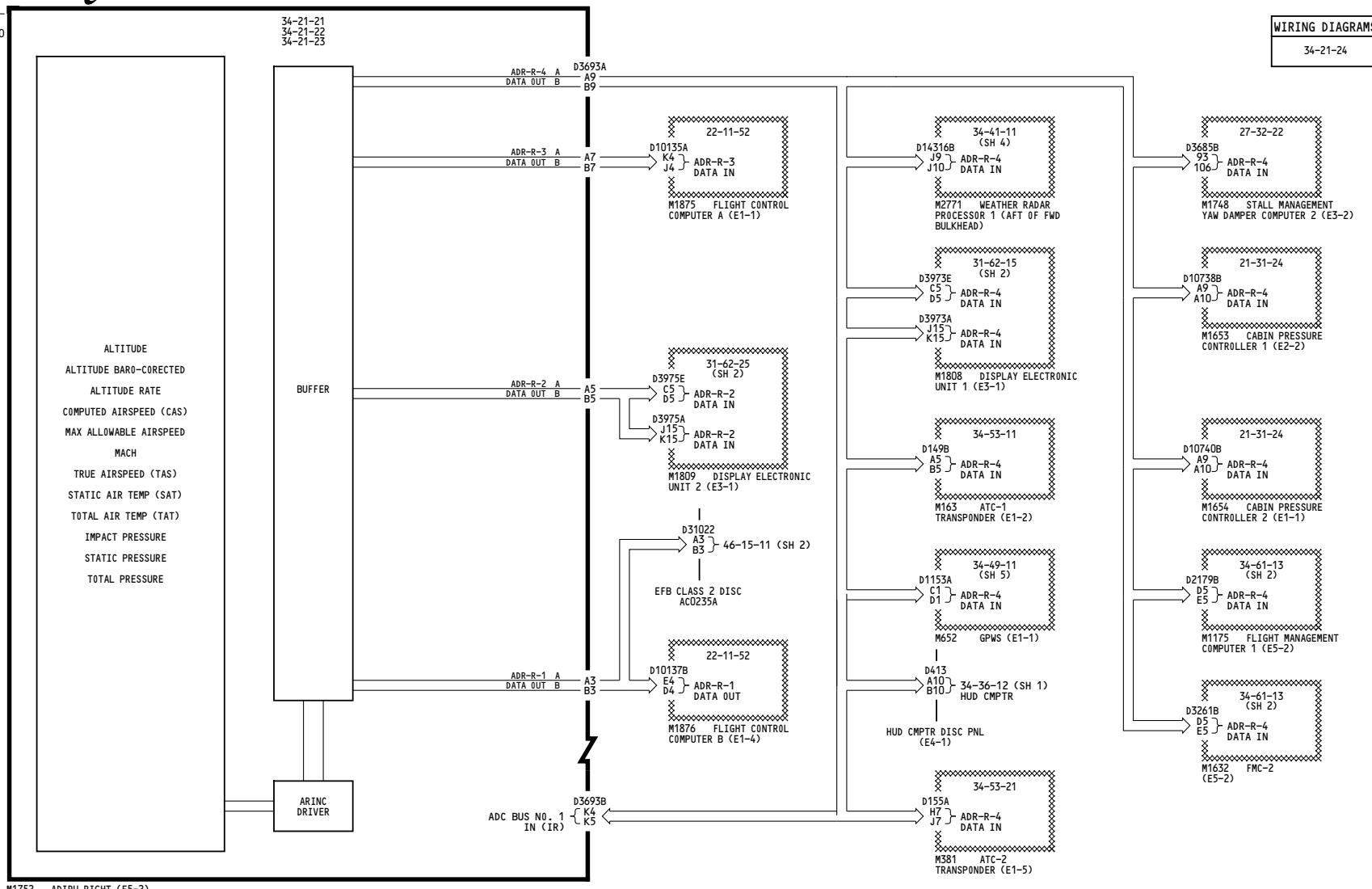
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M1752 ADIRU RIGHT (E5-2)

YT101-YT103

AIR DATA INERTIAL REFERENCE SYSTEM (ADIRS) - RIGHT ADR OUTPUTS

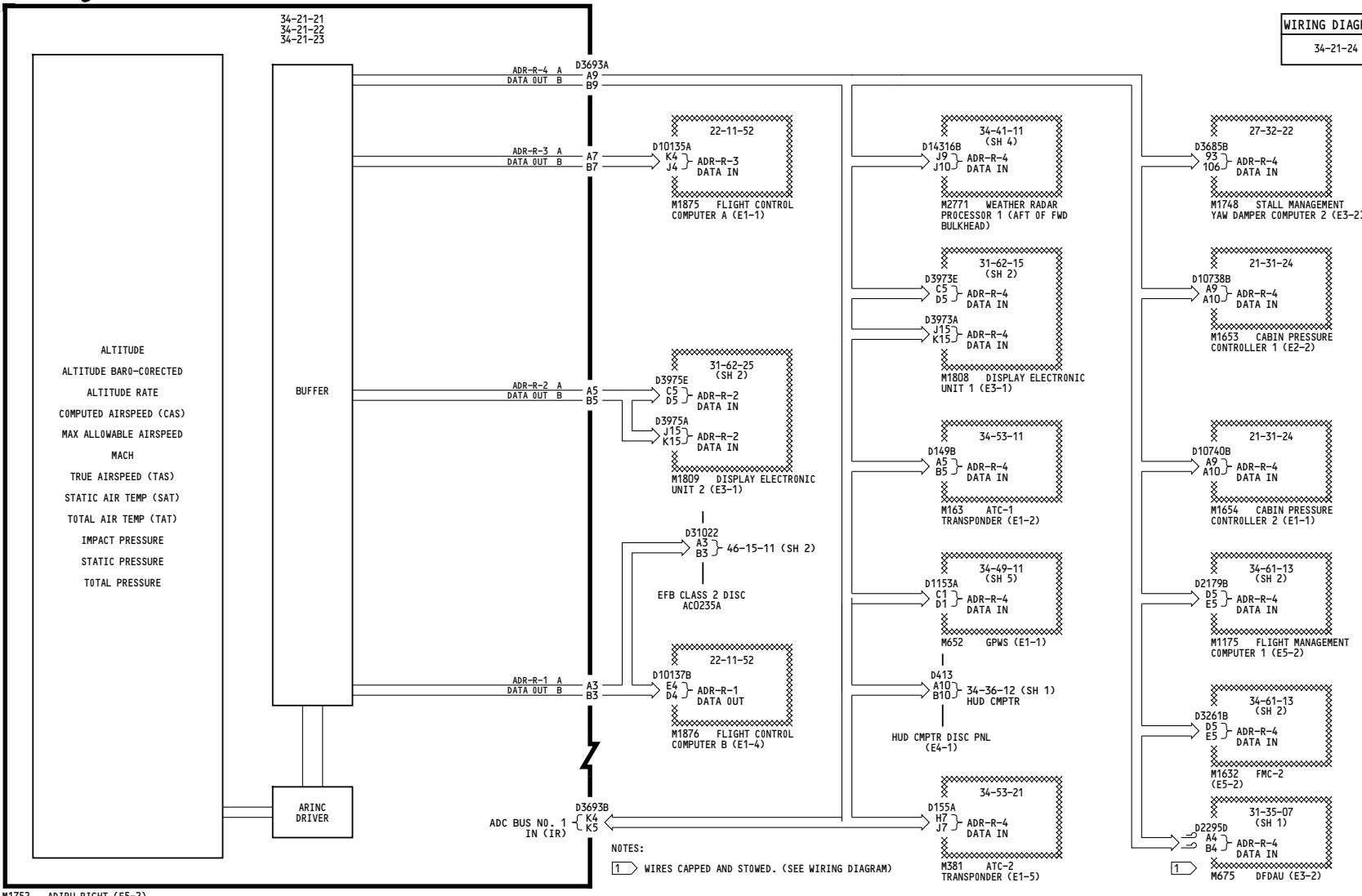
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 WIRING DIAGRAMS
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M1752 ADIRU RIGHT (E5-2)

YT104-YT118

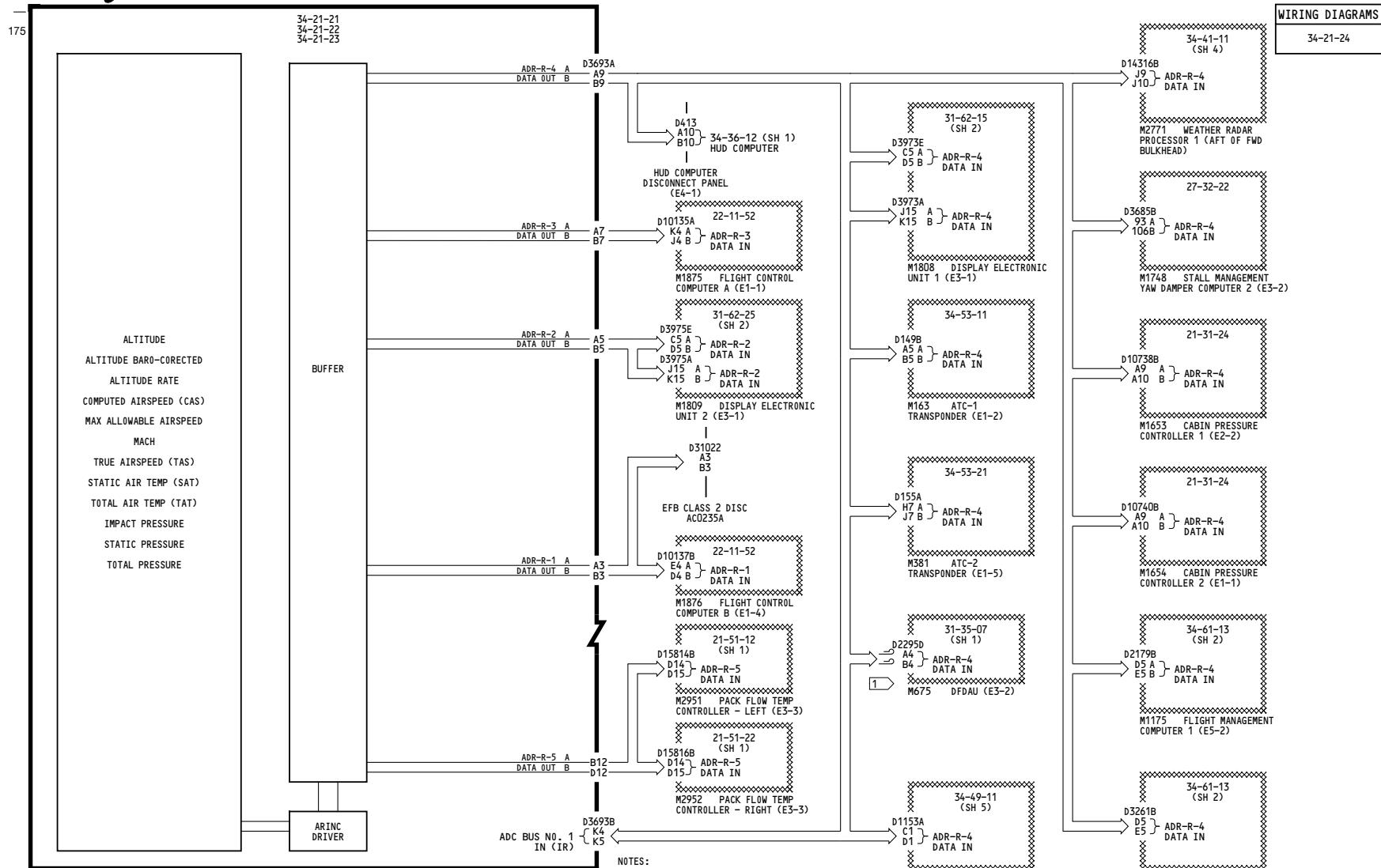
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT ADR OUTPUTS**

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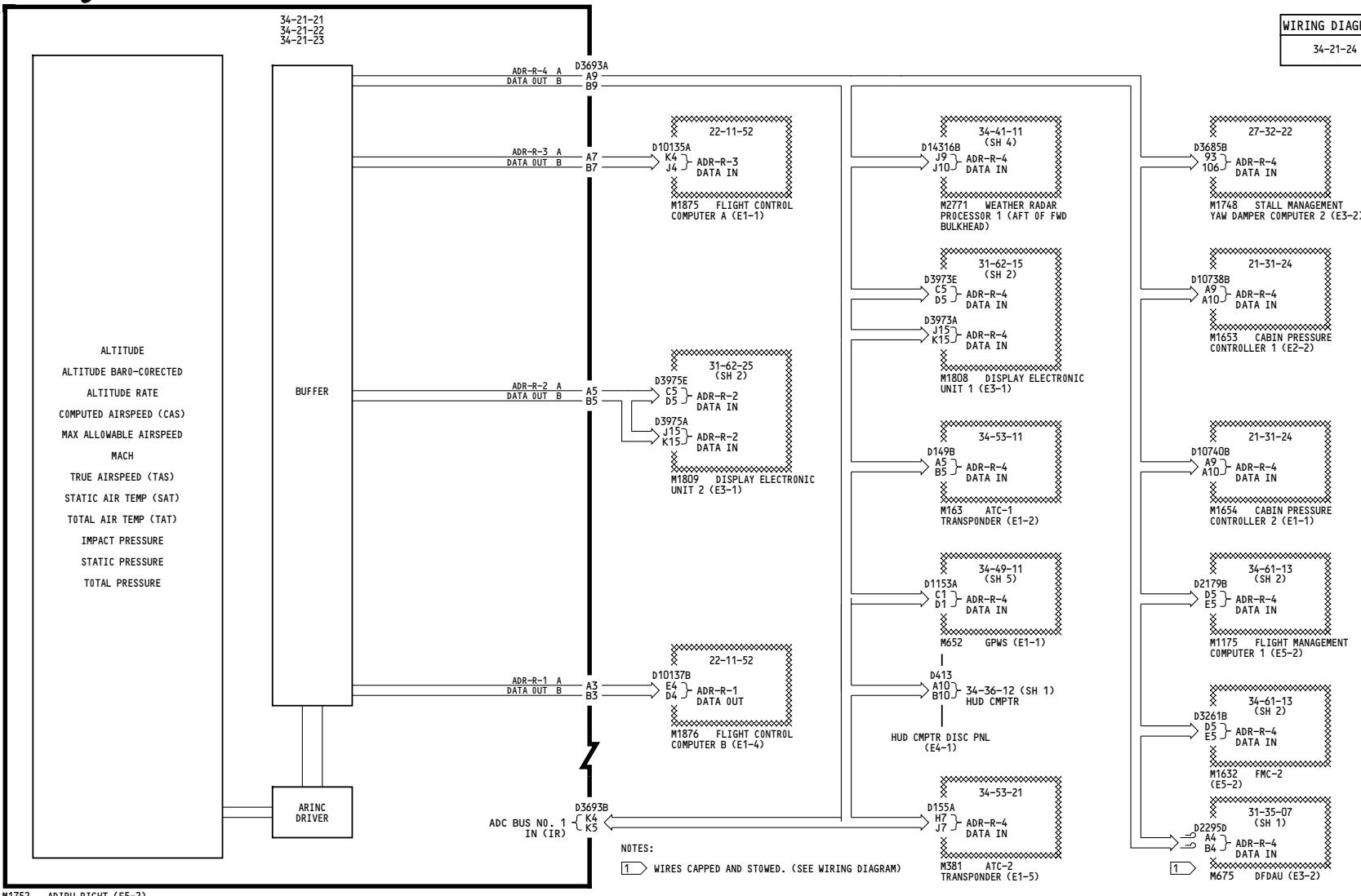


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 WIRING DIAGRAMS
 34-21-24


M1752 ADIRU RIGHT (E5-2)

YT126-YT131

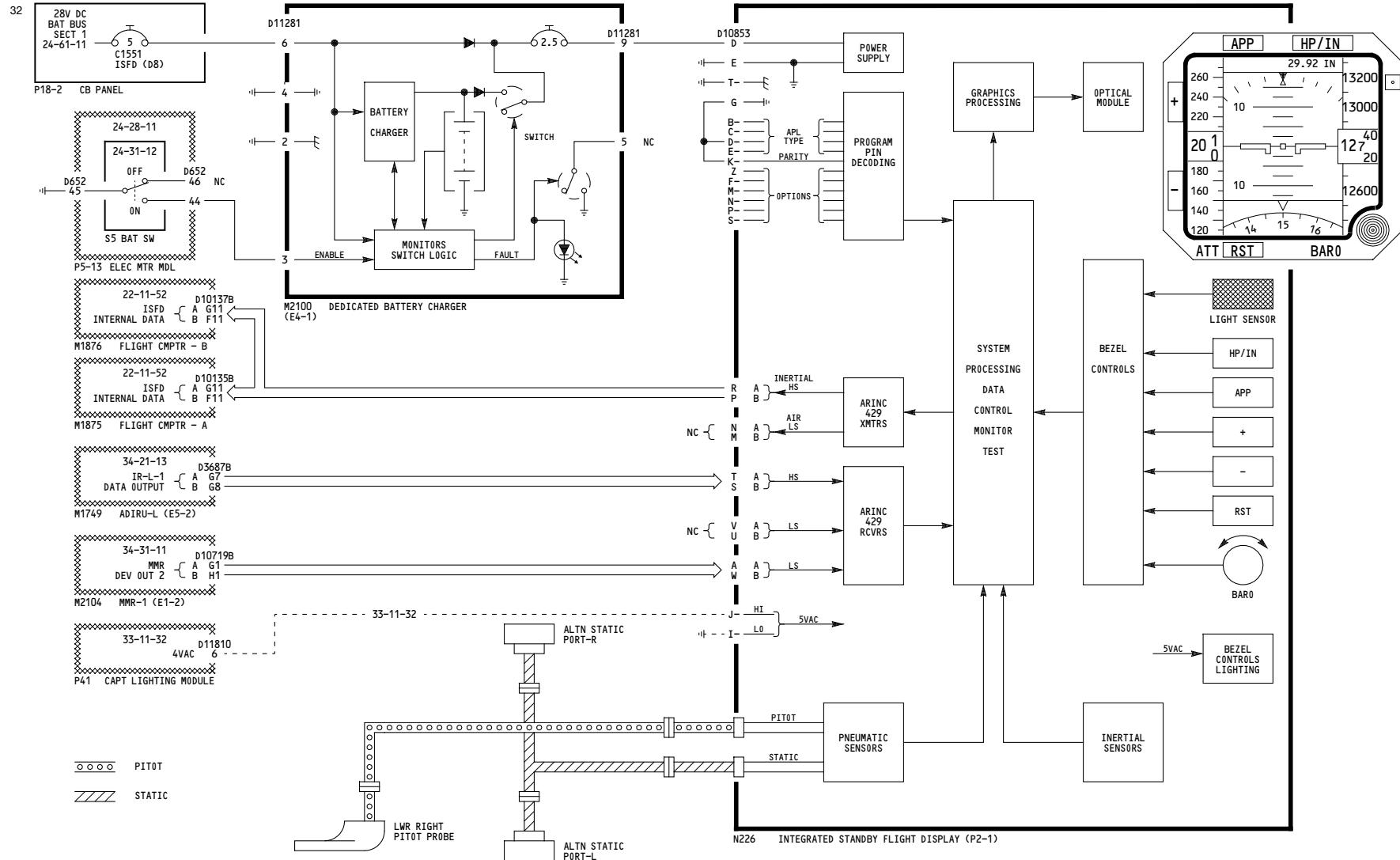
**AIR DATA INERTIAL
REFERENCE SYSTEM (ADIRS)
- RIGHT ADR OUTPUTS**

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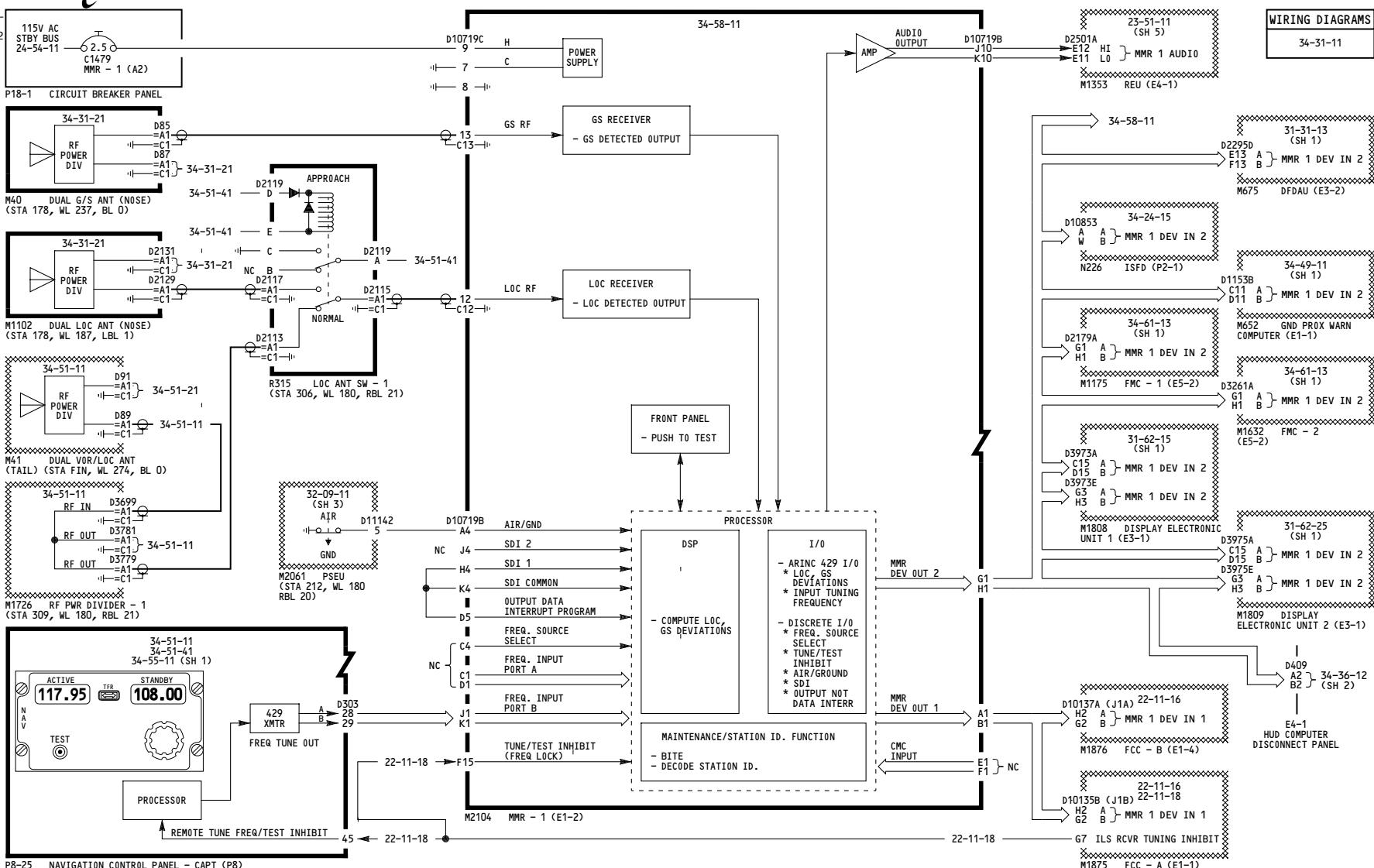
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92 115V AC
STBY BUS
24-54-11 2.5Ω
C1479
MMR - 1 (A2)



P8-25 NAVIGATION CONTROL PANEL - CAPT (P8)

MMR - ILS NO. 1

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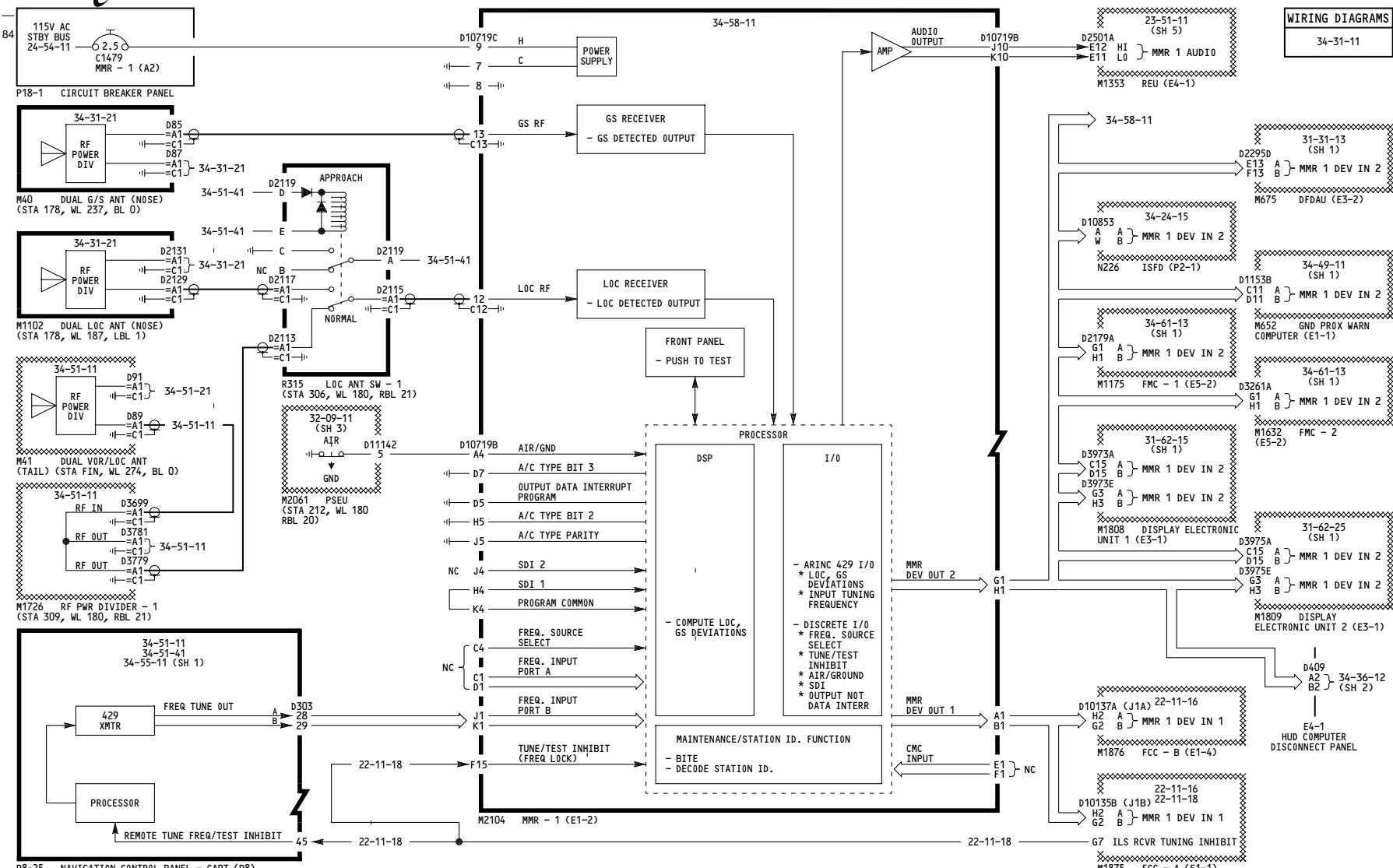
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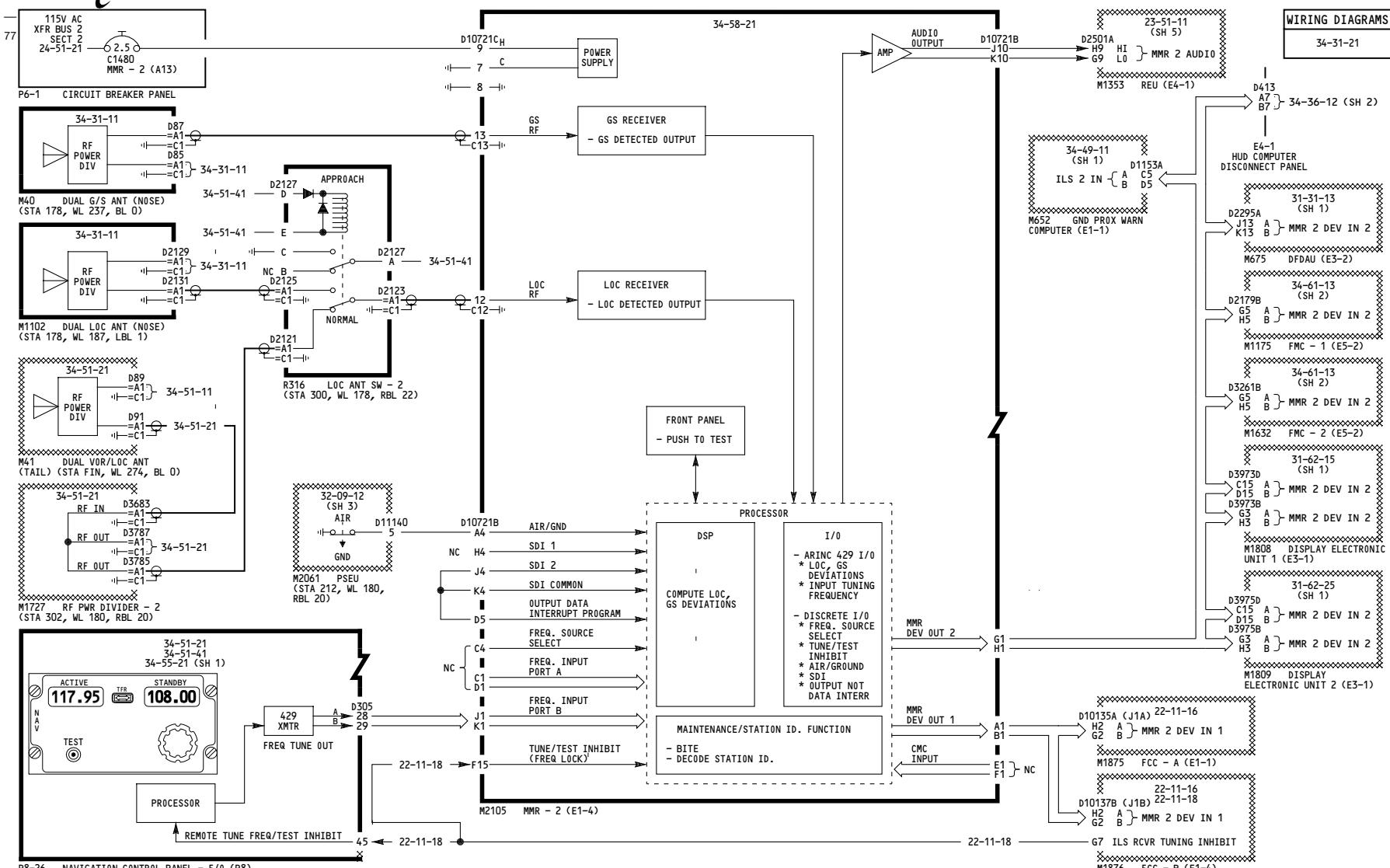
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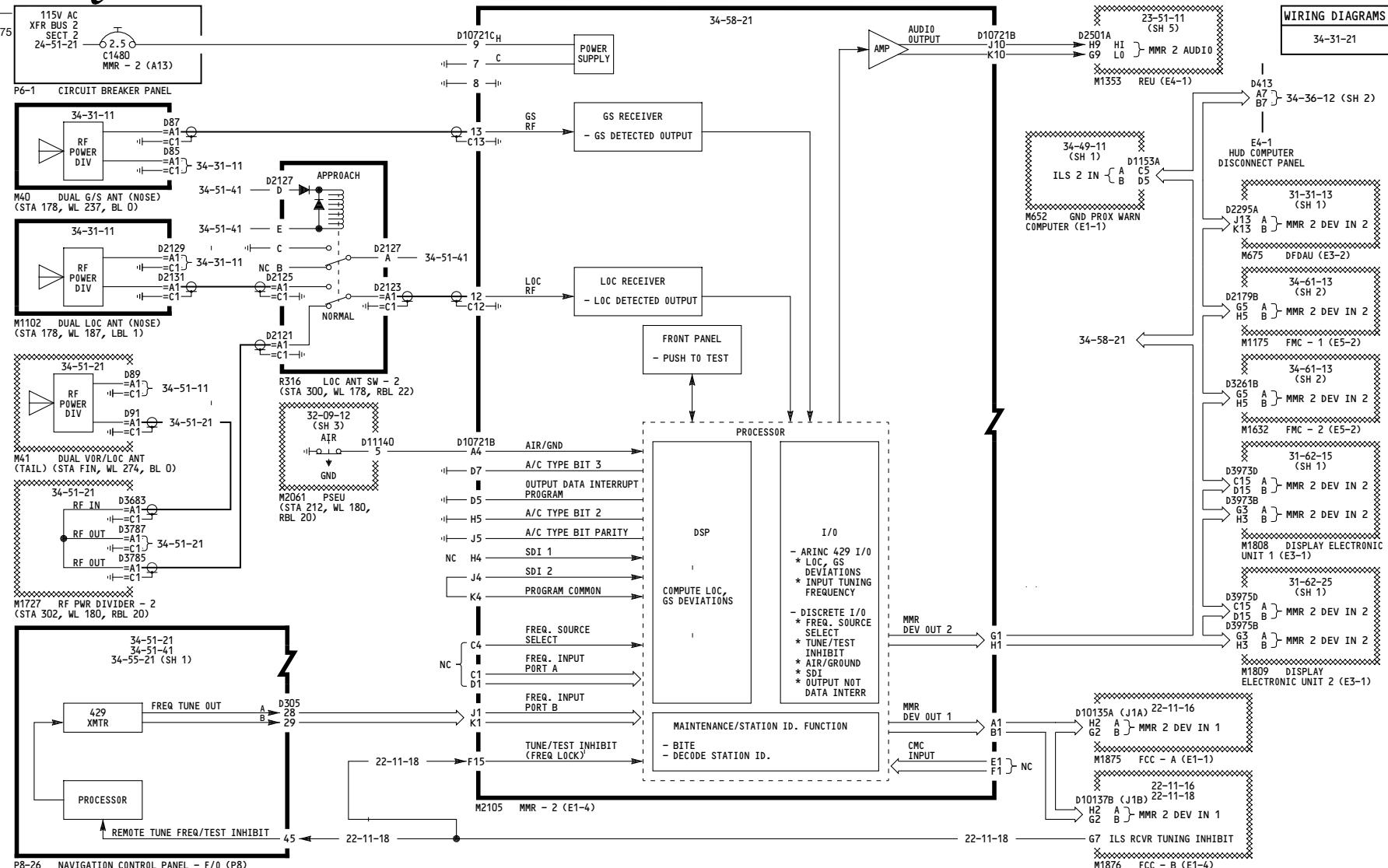
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P8-26 NAVIGATION CONTROL PANEL - F/O (P8)

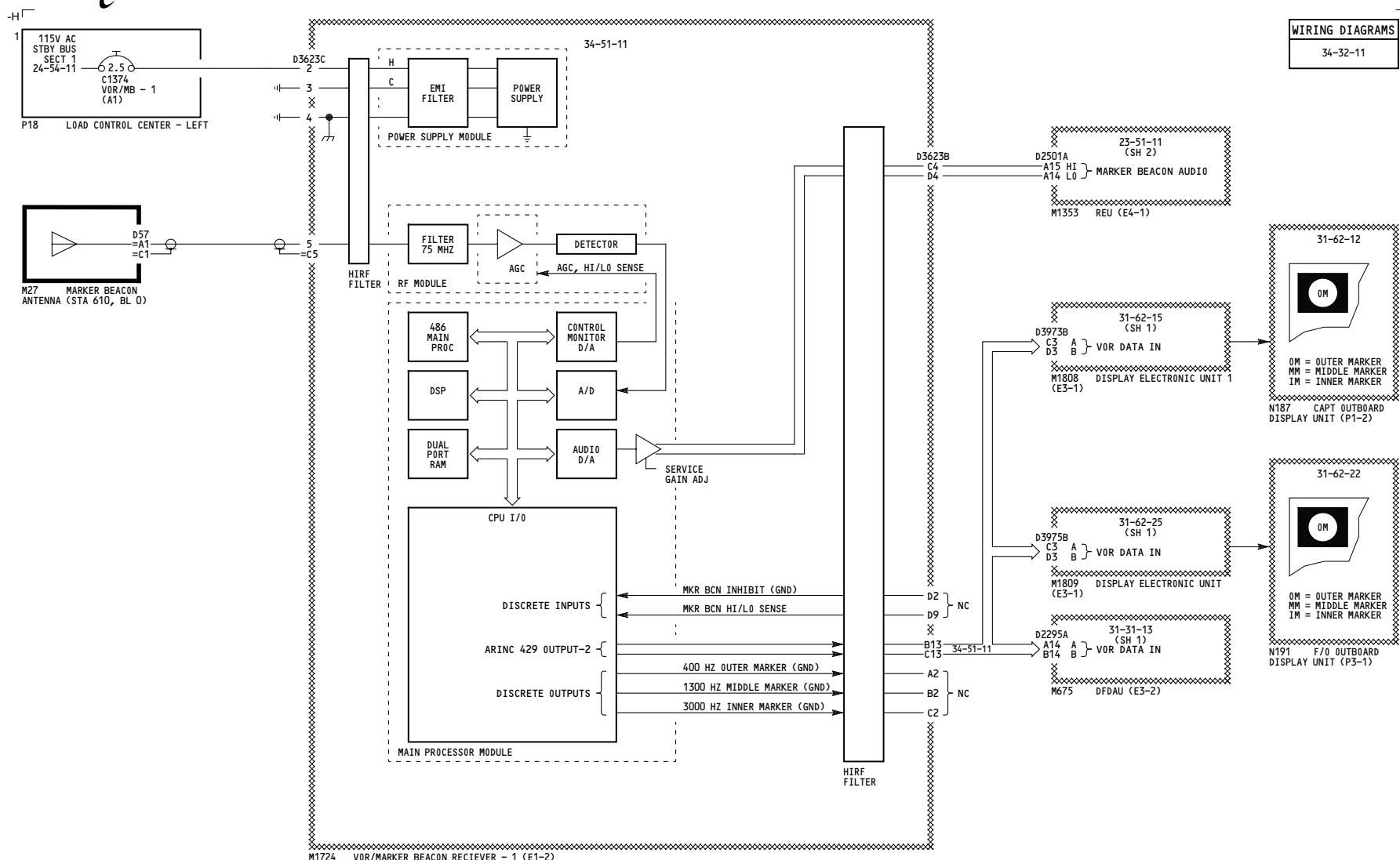
MMR - ILS NO. 2

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ALL	MARKER BEACON
D280A451	

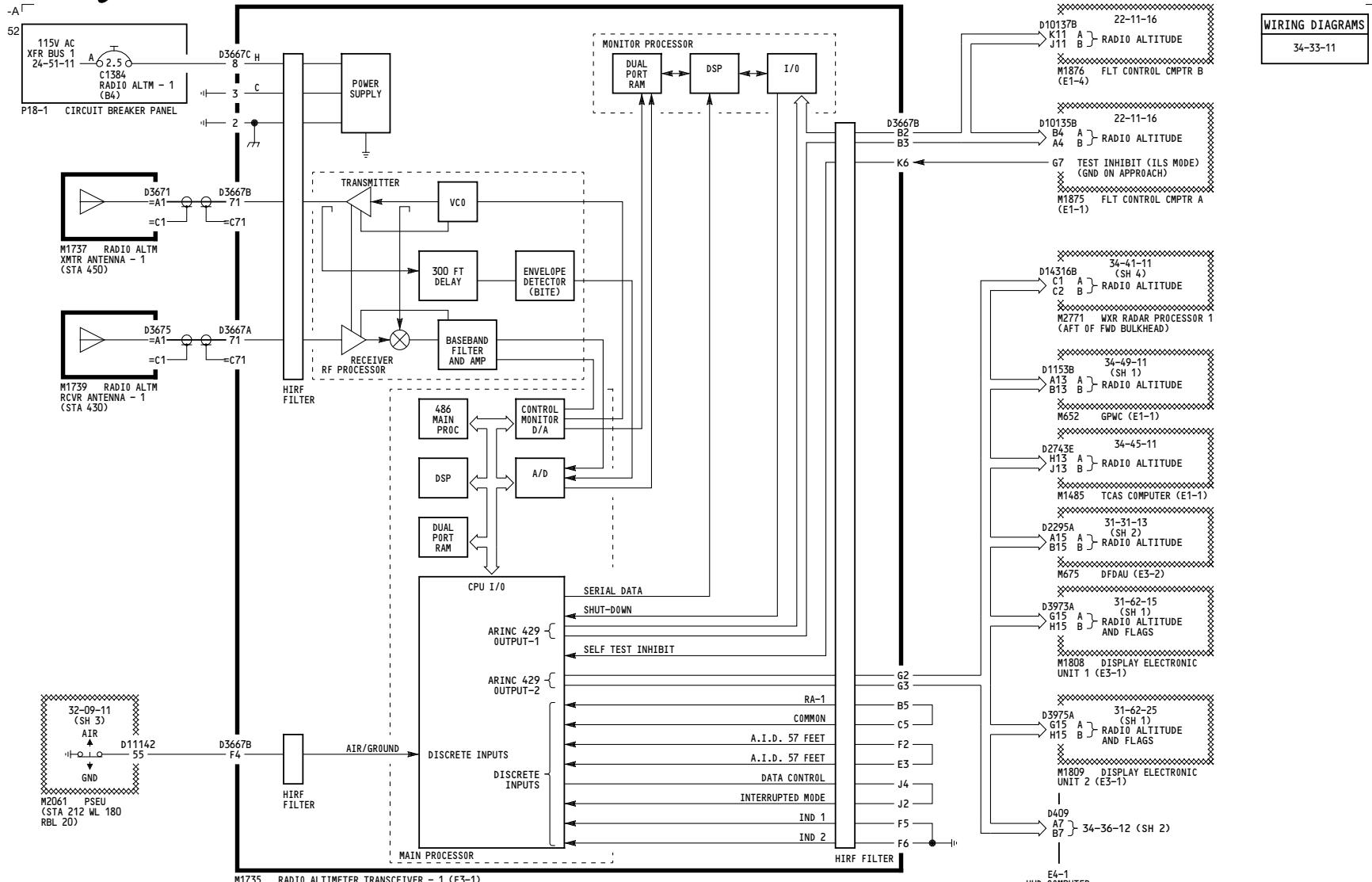
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ALL

RADIO ALTIMETER - 1

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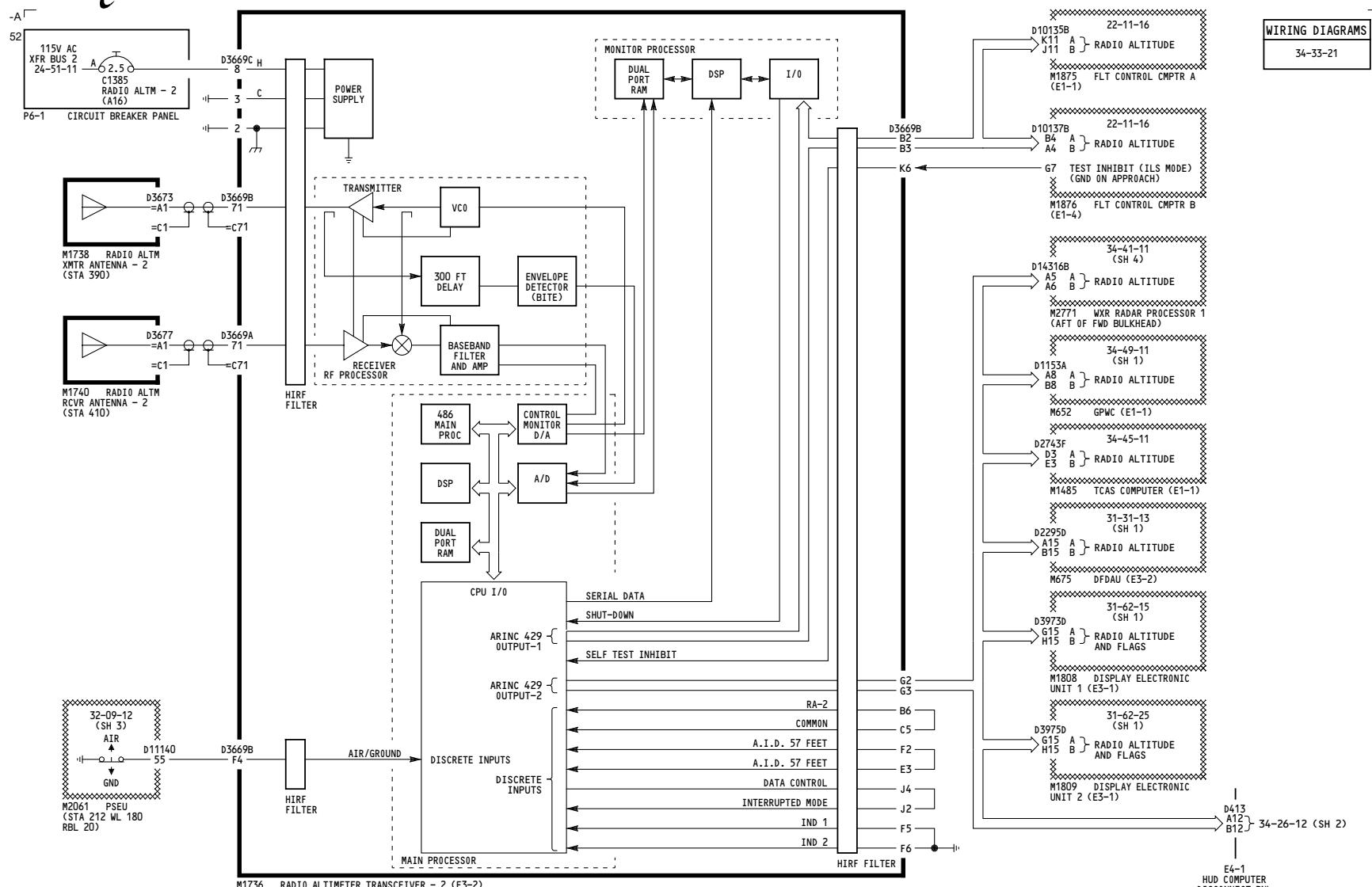
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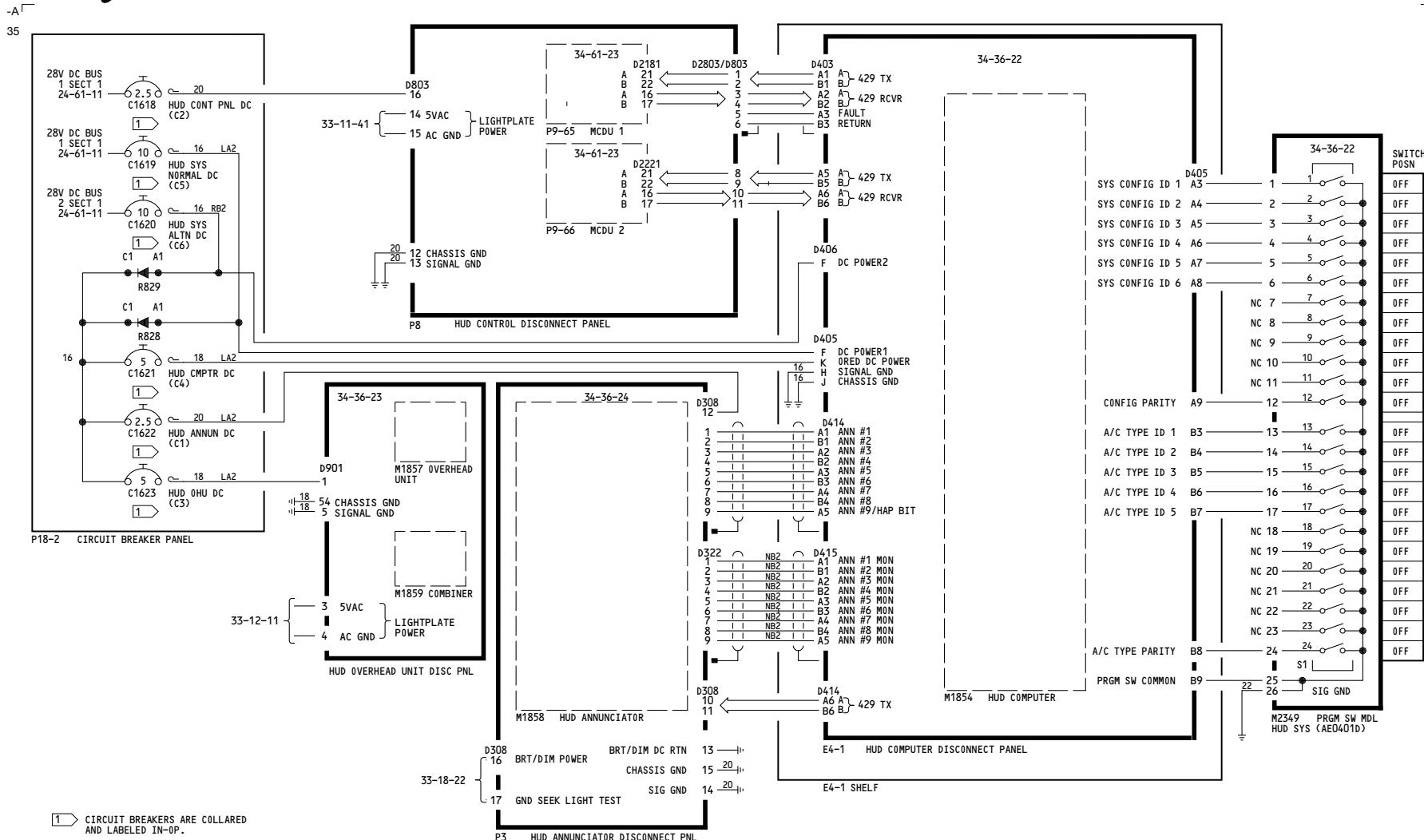
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ALL

RADIO ALTIMETER - 2

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1 CIRCUIT BREAKERS ARE COLLARED AND LABELED IN-OP.

HEAD UP DISPLAY POWER AND ANNUNCIATION

D280A451

34-36-11

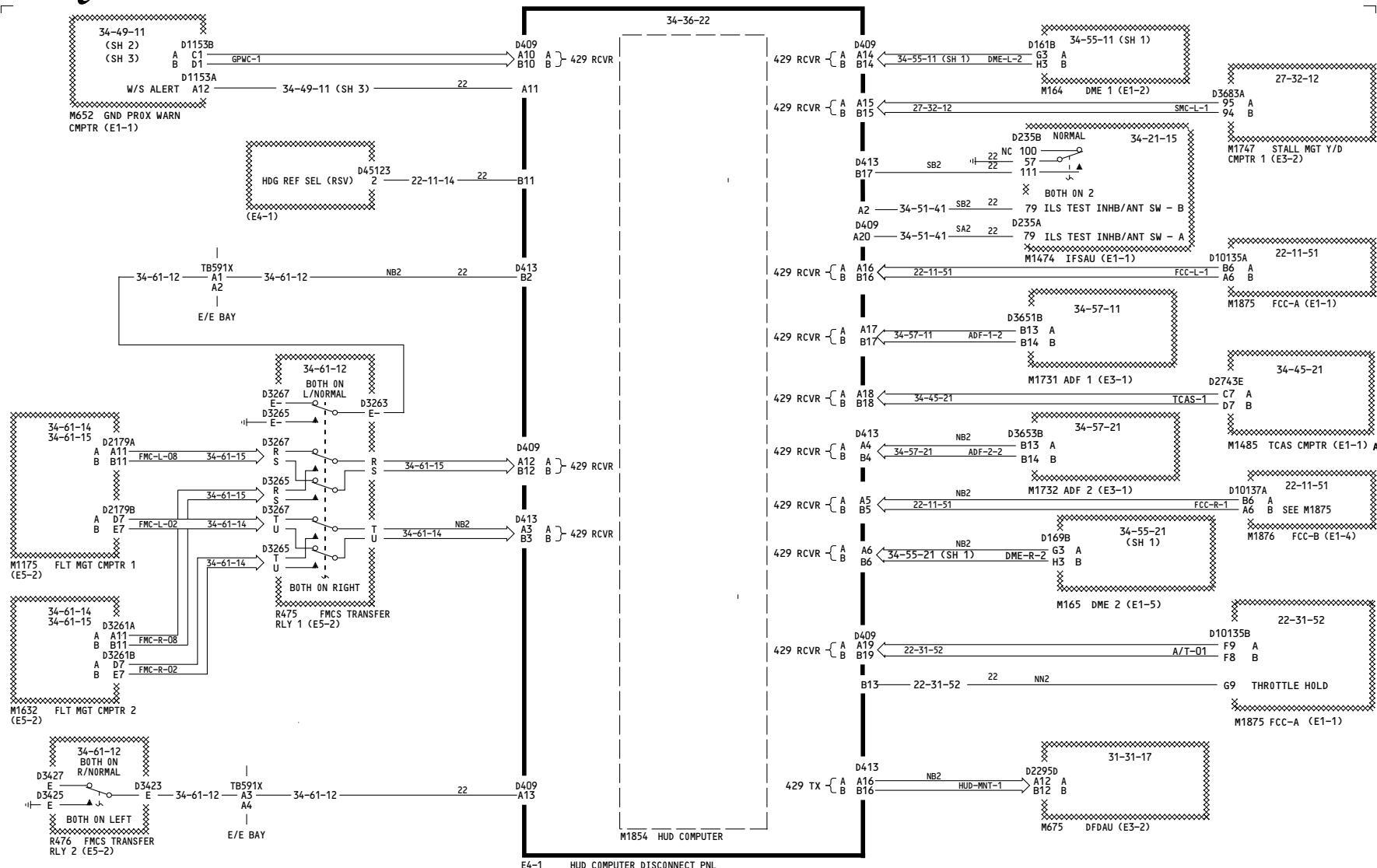
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ALL

HEAD UP DISPLAY DATA BUS, DISCRETE INTERFACES

D280A451

34-36-12

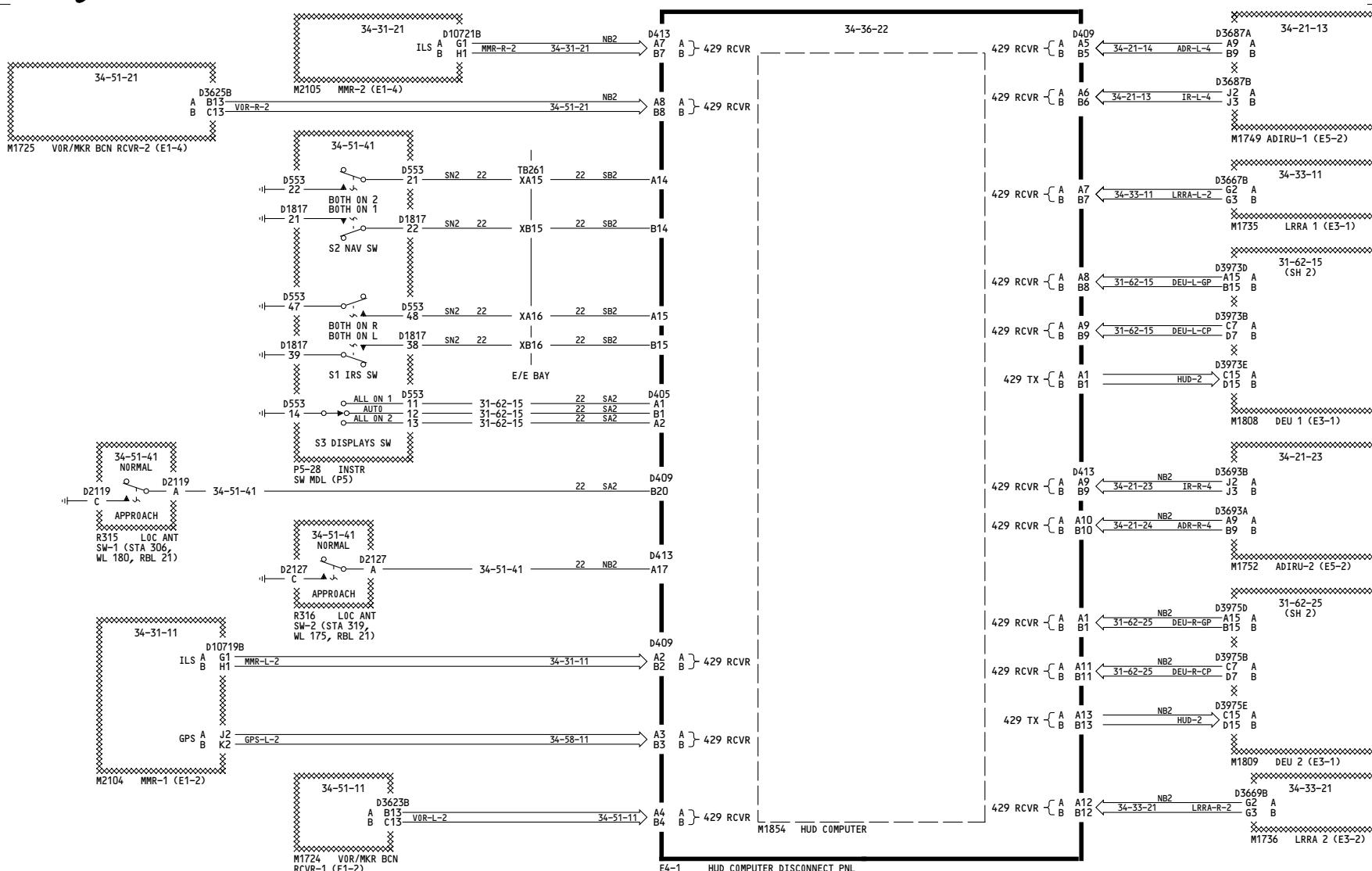
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5



ALL

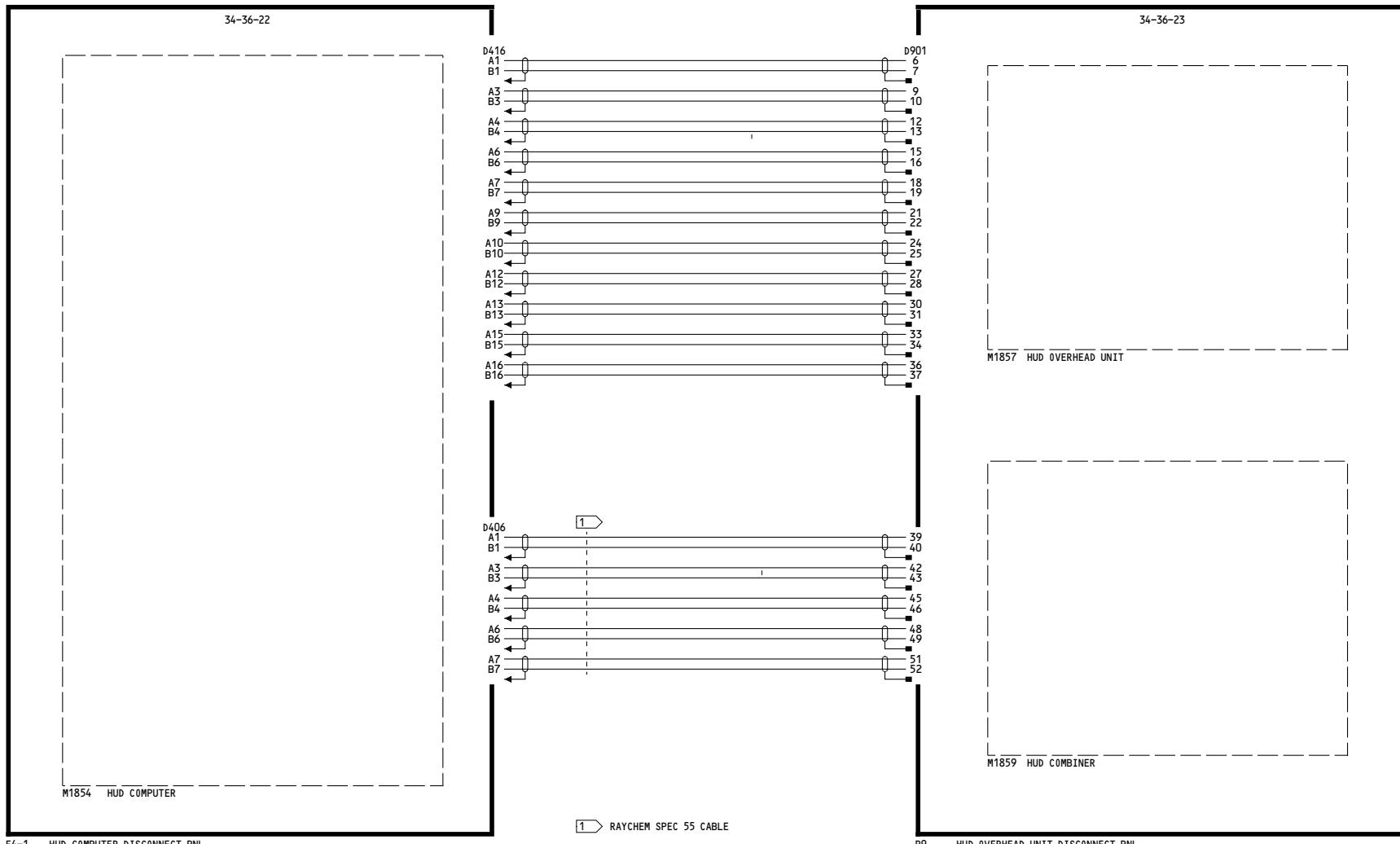
HEAD UP DISPLAY DATA BUS, DISCRETE INTERFACES

D280A451

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Sheet 2



E4-1 HUD COMPUTER DISCONNECT PNL

P9 HUD OVERHEAD UNIT DISCONNECT PNL

34-36-13

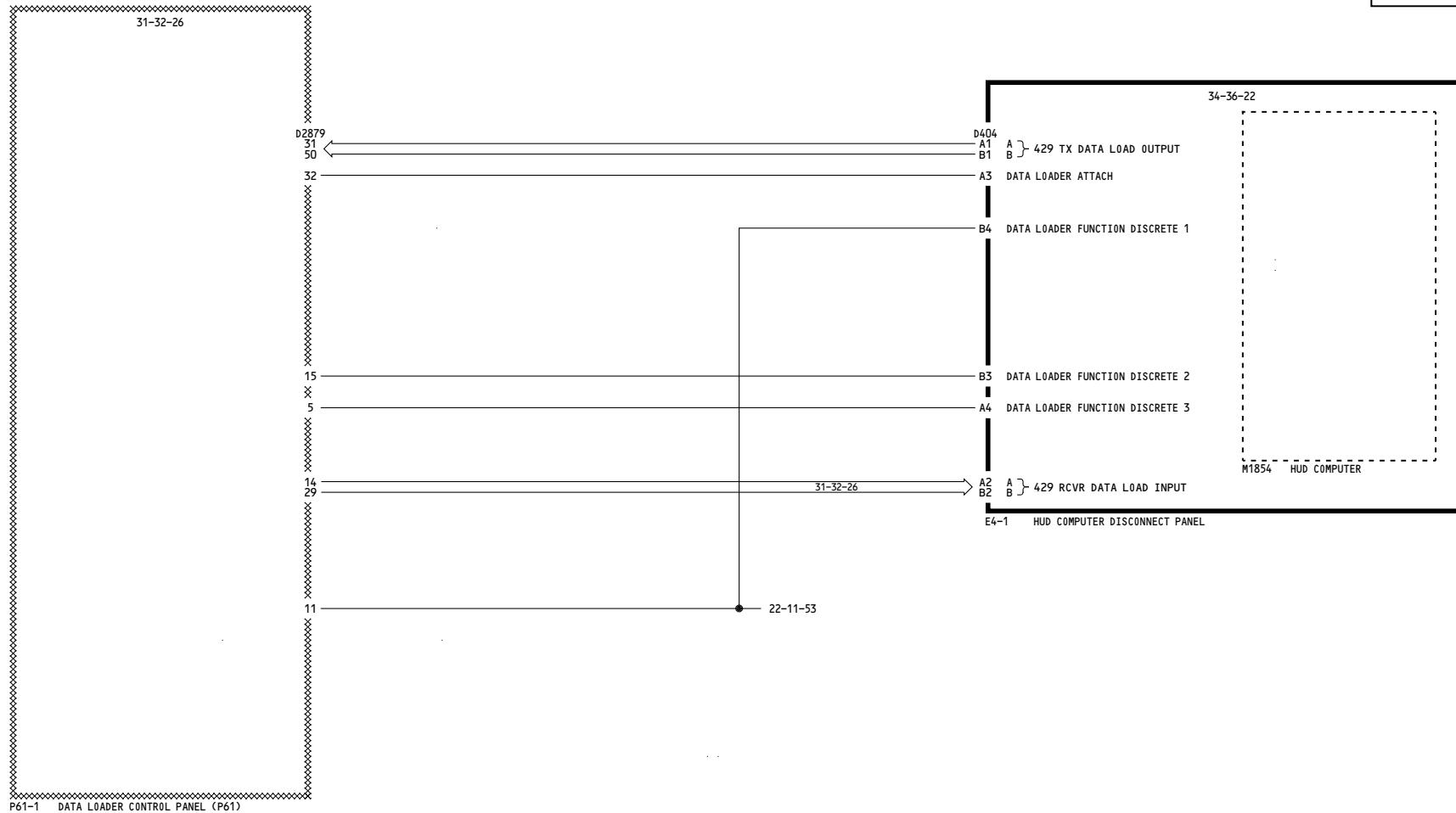
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ALL

**HEAD UP DISPLAY
SYSTEM INTERCONNECTS**

D280A451



ALL

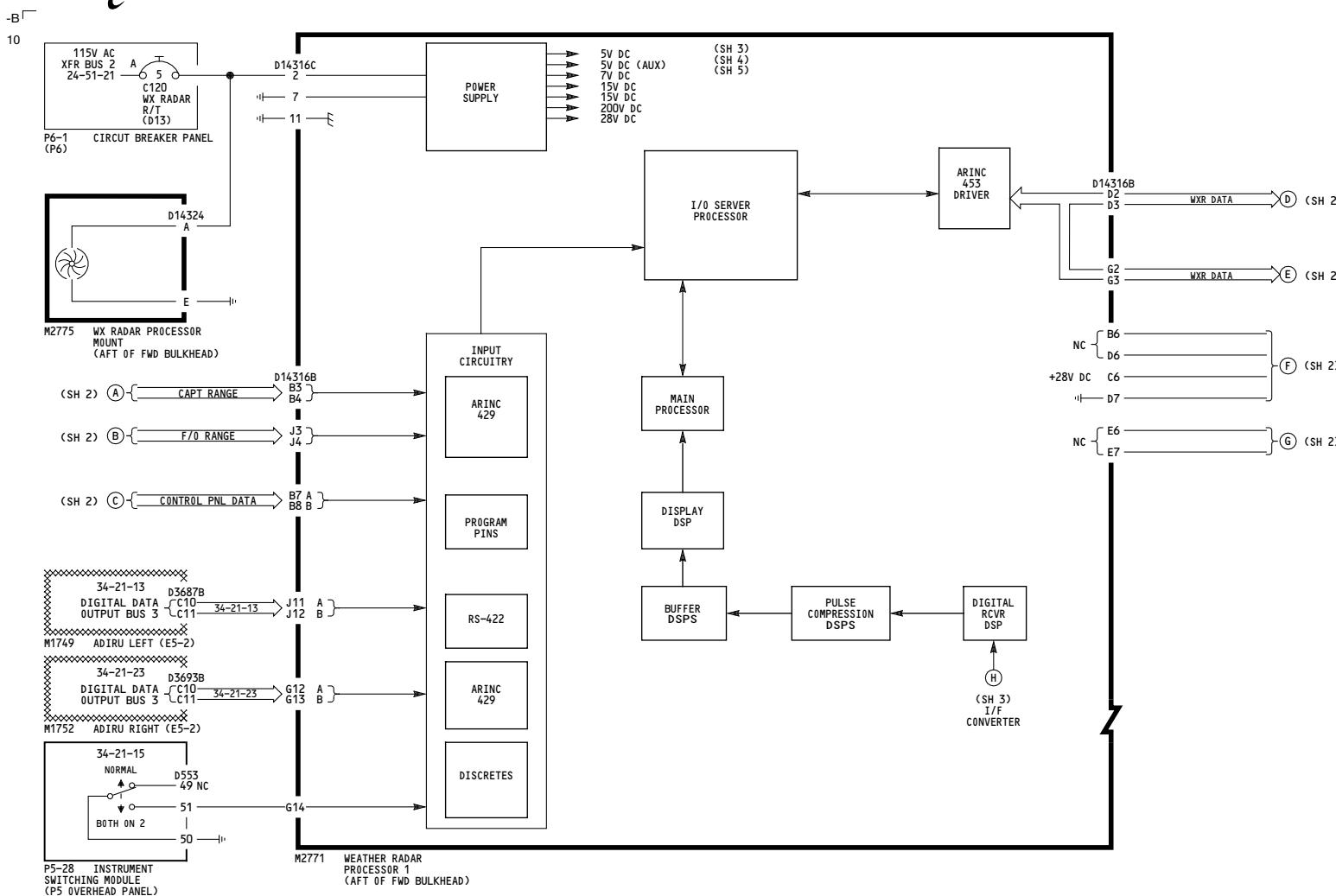
**HEAD UP DISPLAY
ON-BOARD DATA LOADER
INTERFACES**

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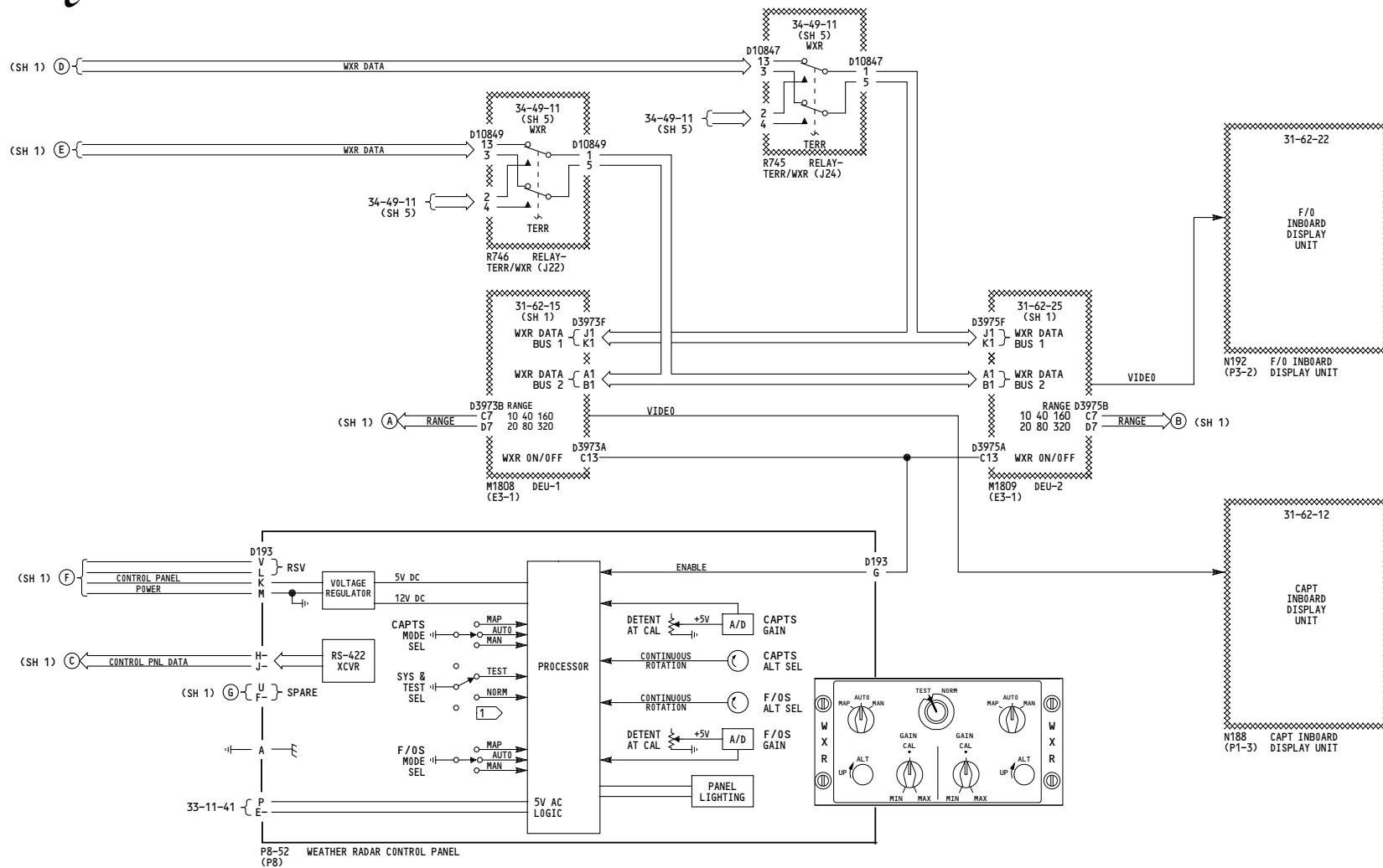


YT101-YT103

WEATHER RADAR SYSTEM

D280A451

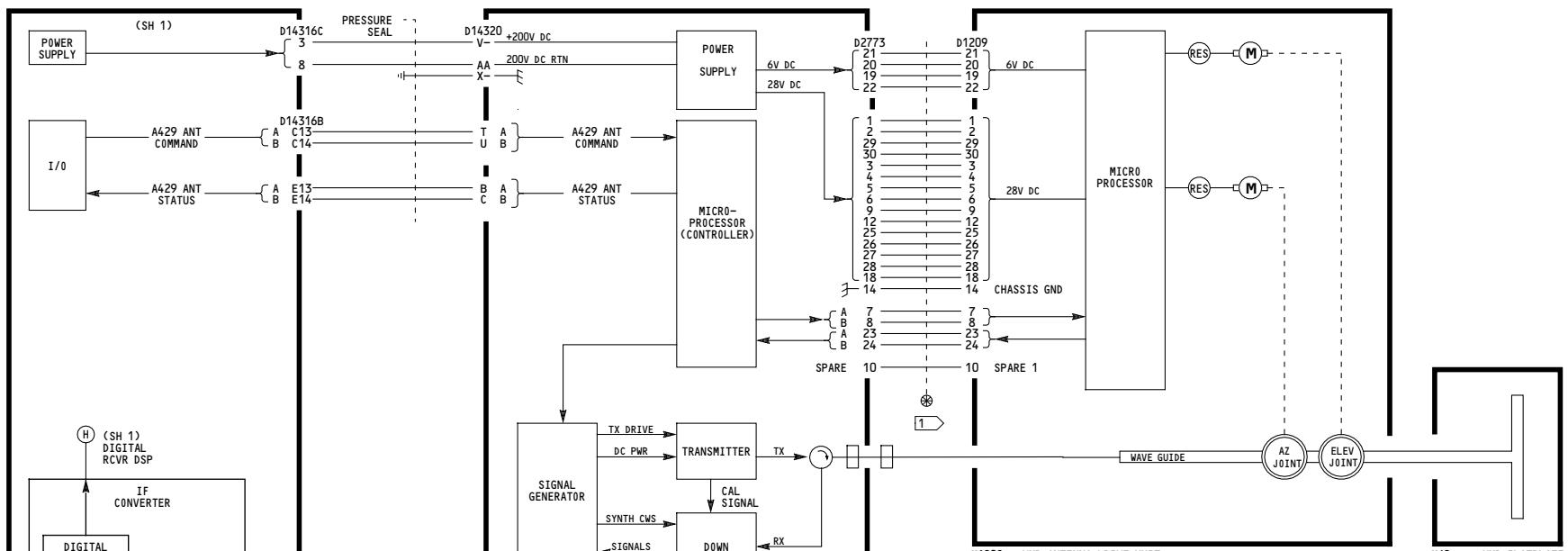
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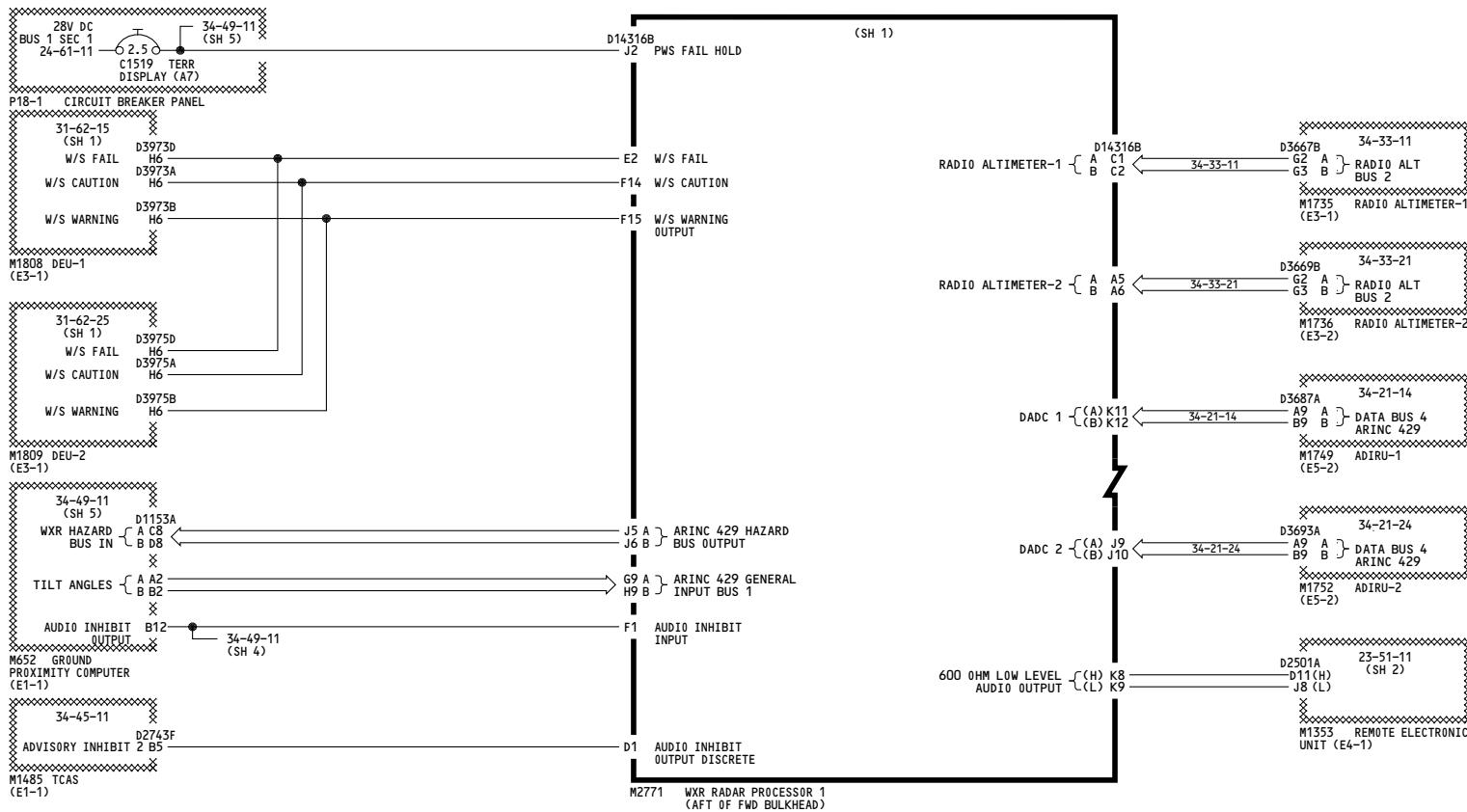
NOTES:
1 POSITION 1 AND 4 OF SWITCH ARE MECHANICALLY INHIBITED


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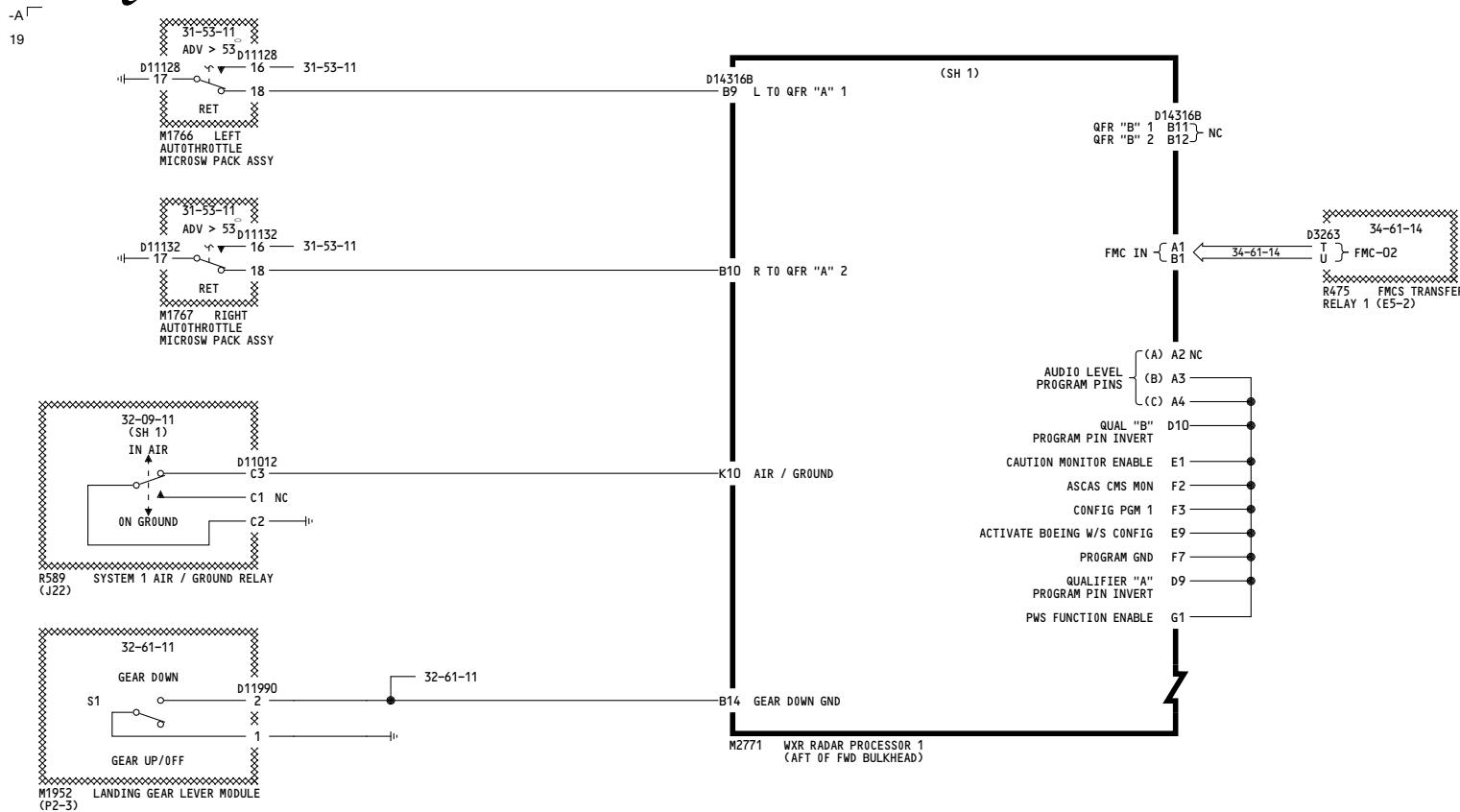


YT101-YT103

WEATHER RADAR SYSTEM

D280A451

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YT101-YT103

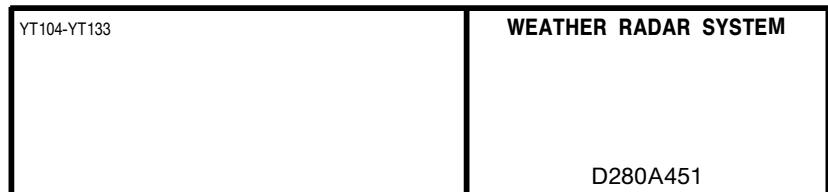
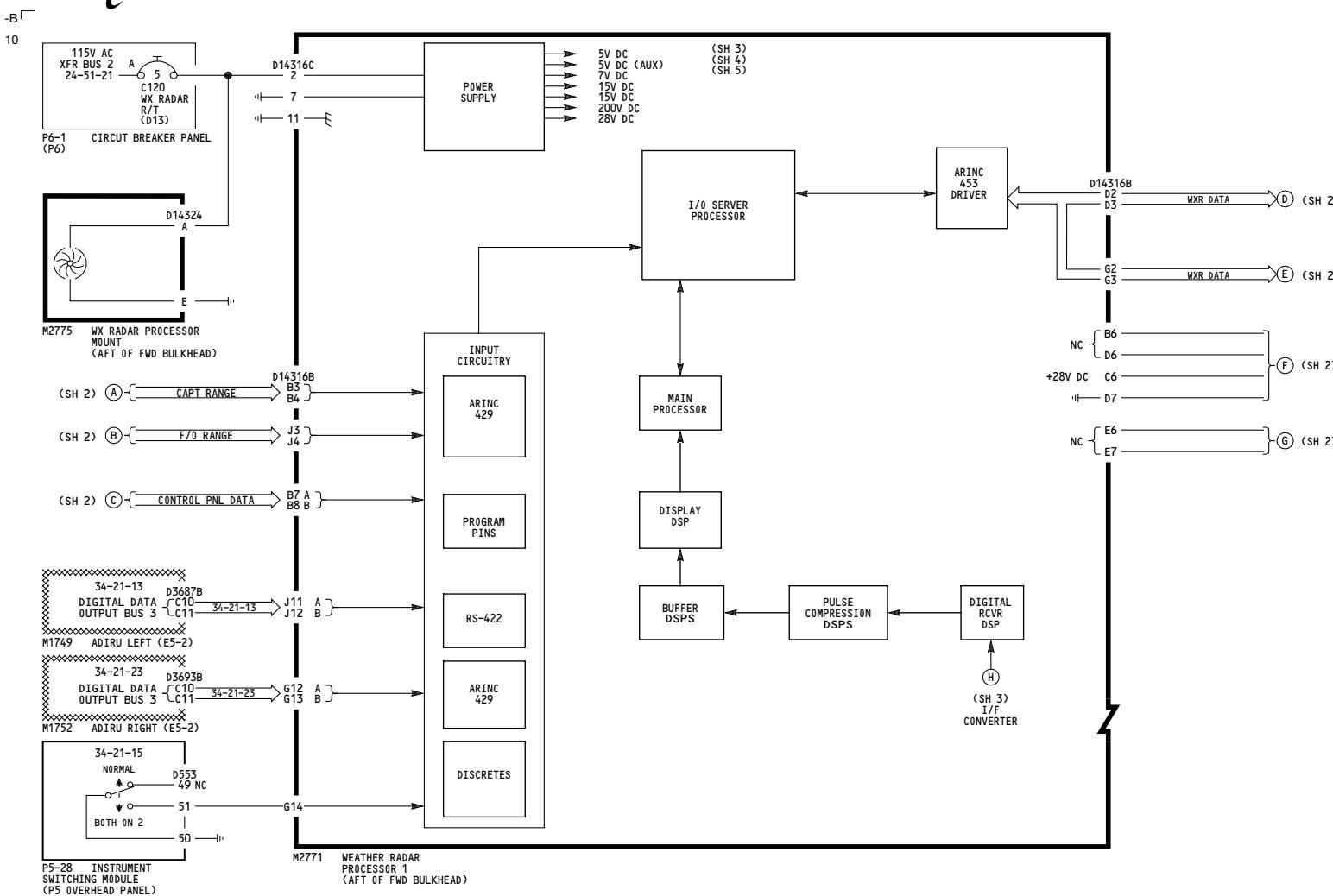
WEATHER RADAR SYSTEM

D280A451

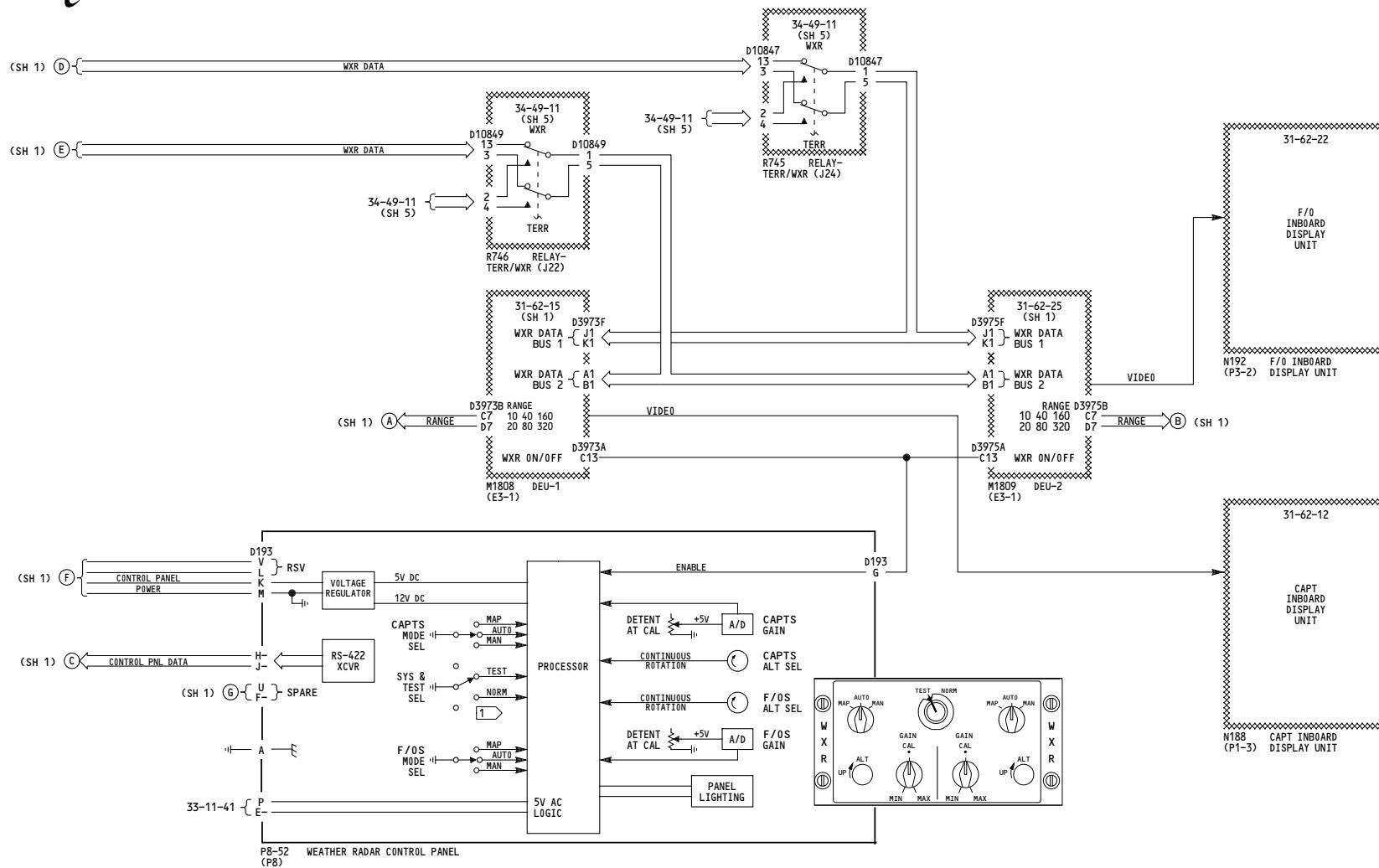
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 Aug 15/2013

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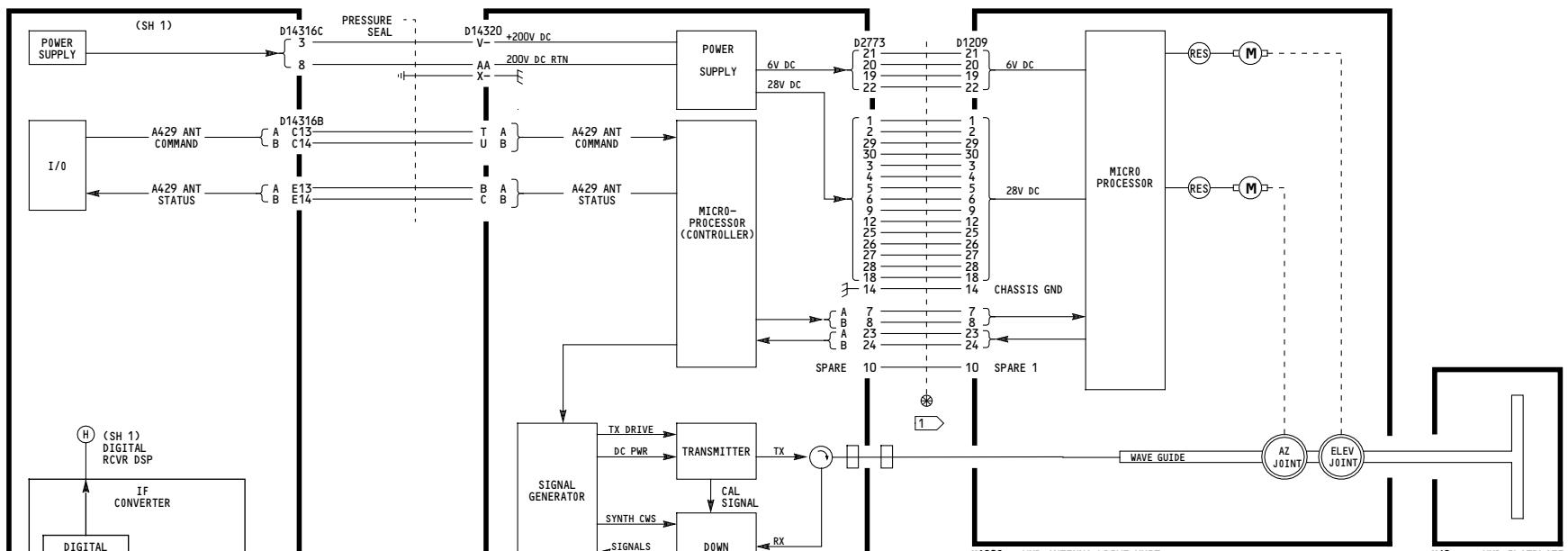
YT104-YT133

WEATHER RADAR SYSTEM

D280A451

34-41-11

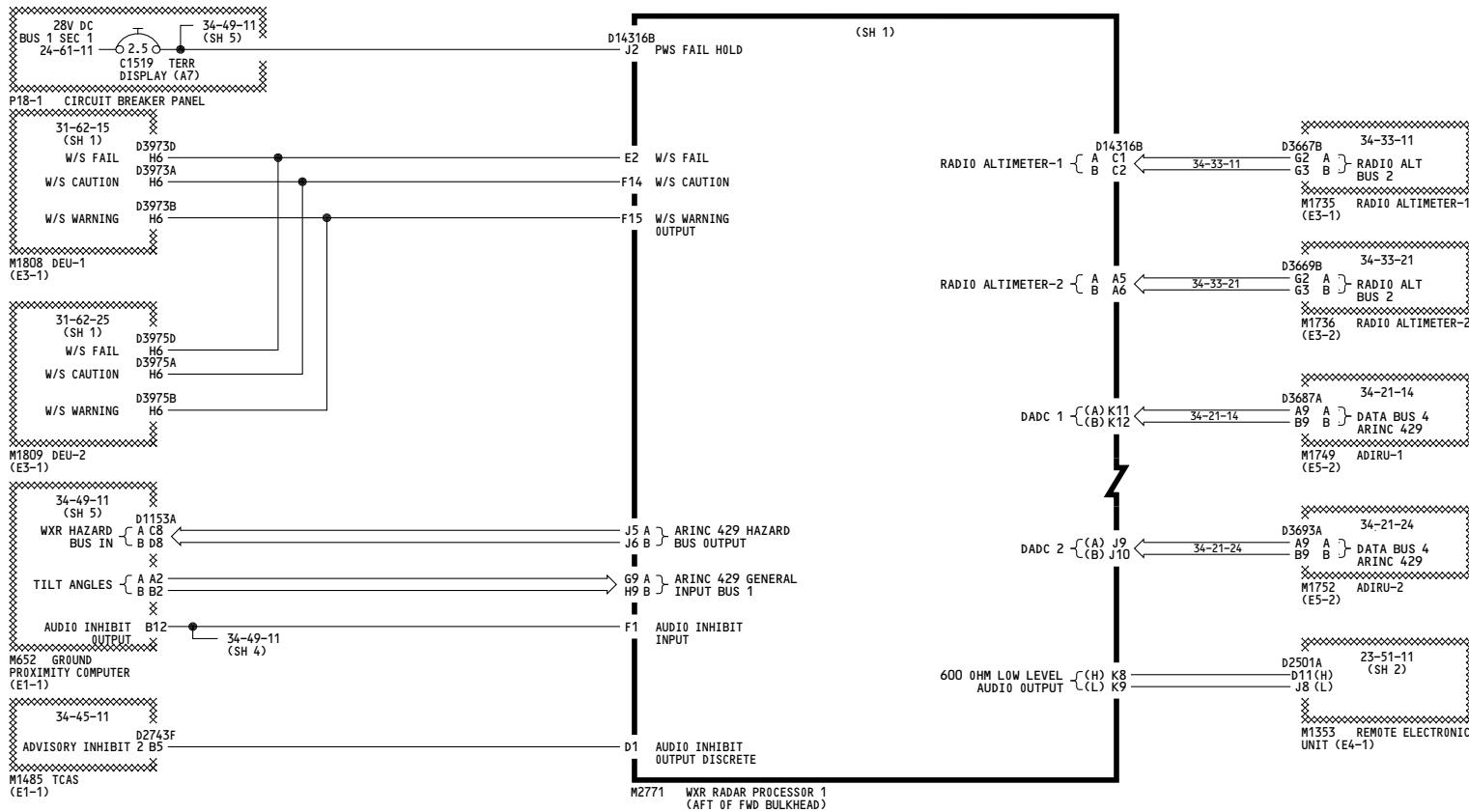
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YT104-YT133

WEATHER RADAR SYSTEM
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YT104-YT133

WEATHER RADAR SYSTEM

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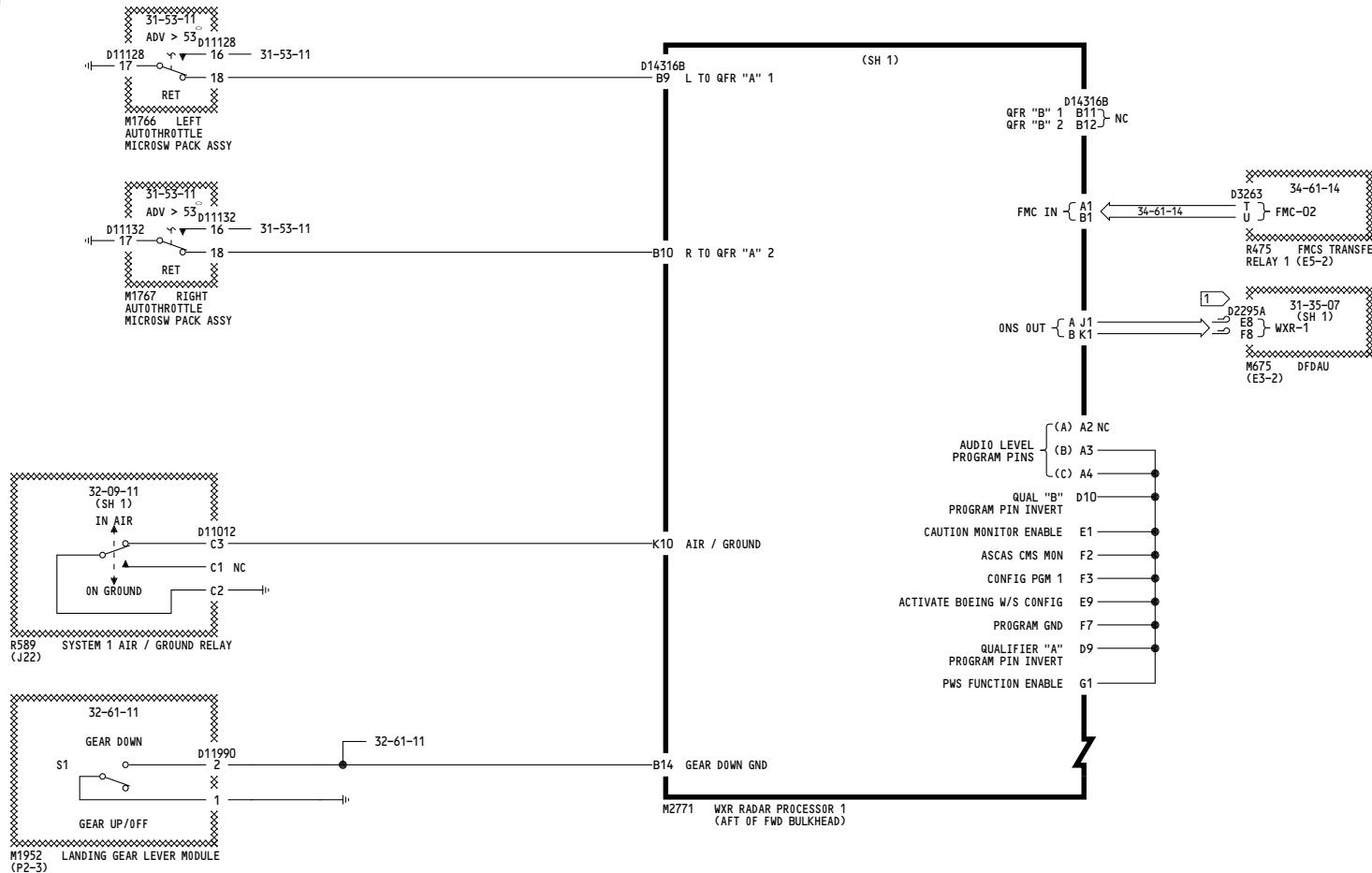
34-41-11

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26



NOTES:

1 CAP AND STOW NEAR D2295A

YT104-YT133

WEATHER RADAR SYSTEM

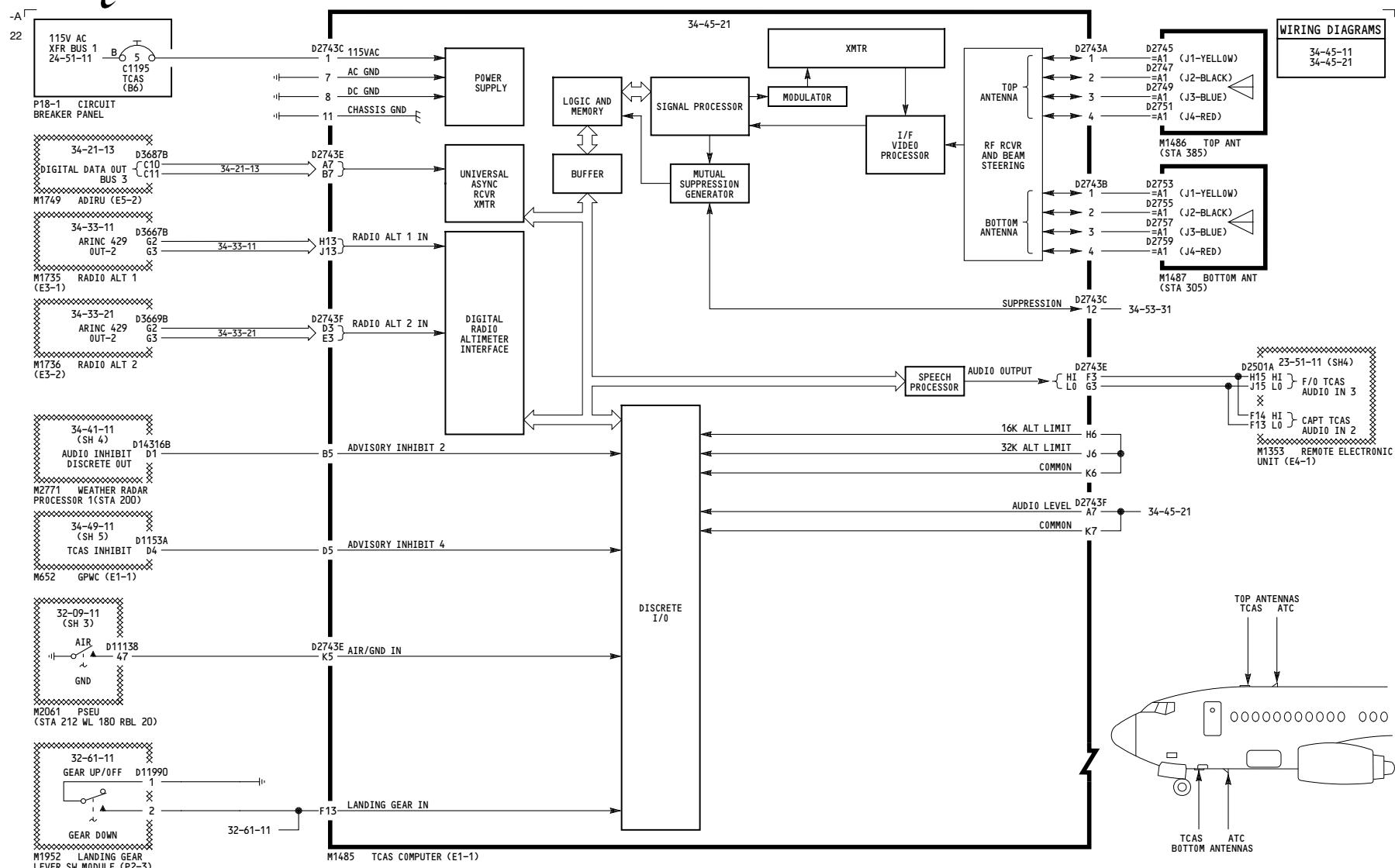
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ALL

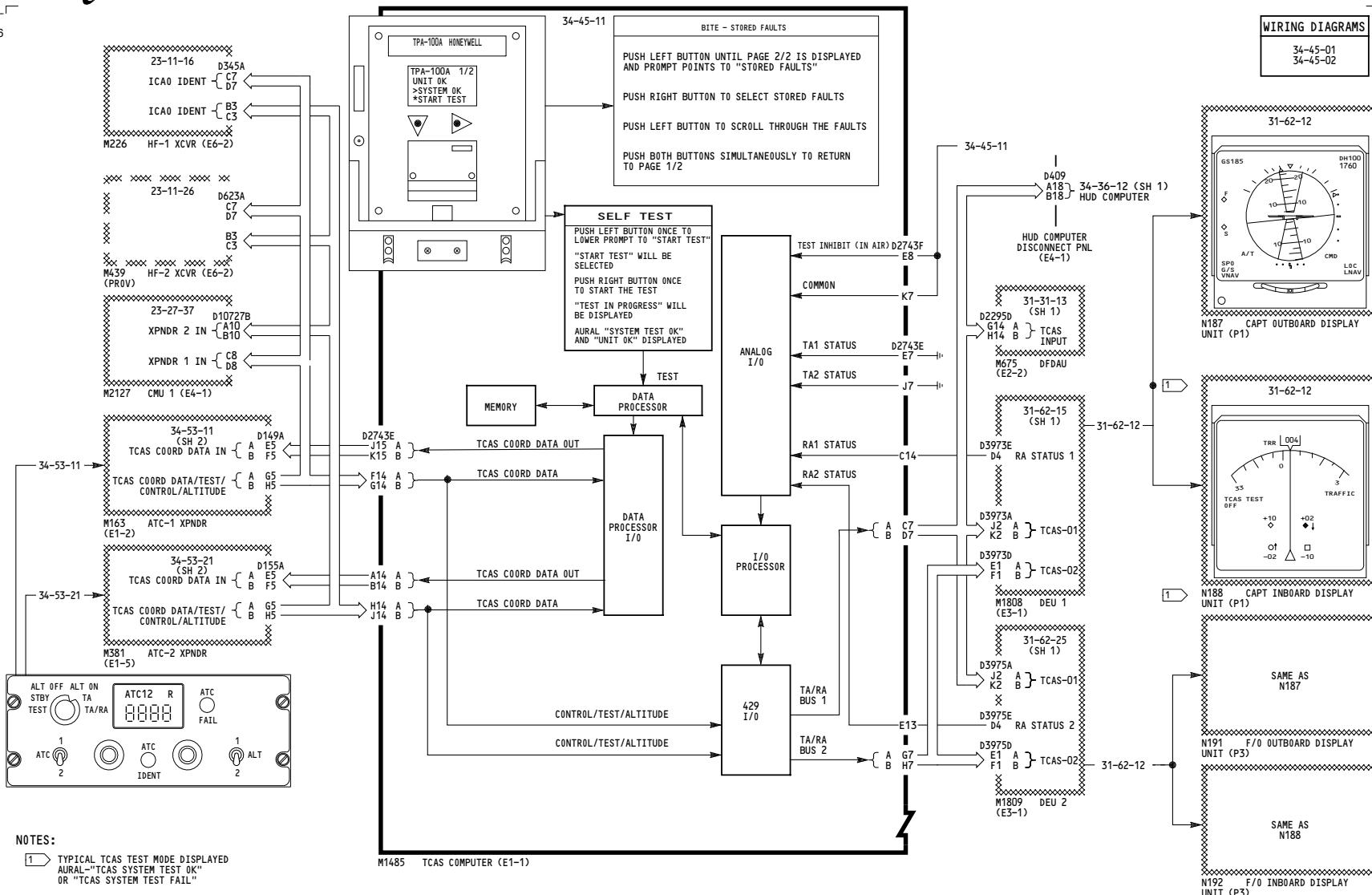
TRAFFIC COLLISION AVOIDANCE SYSTEM POWER INPUT, OUTPUT

D280A451

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NOTES:

1 TYPICAL TCAS TEST MODE DISPLAYED
AURAL—"TCAS SYSTEM TEST OK"
OR "TCAS SYSTEM TEST FAIL"

ALL

TRAFFIC COLLISION AVOIDANCE SYSTEM CONTROL AND DISPLAY

D280A451

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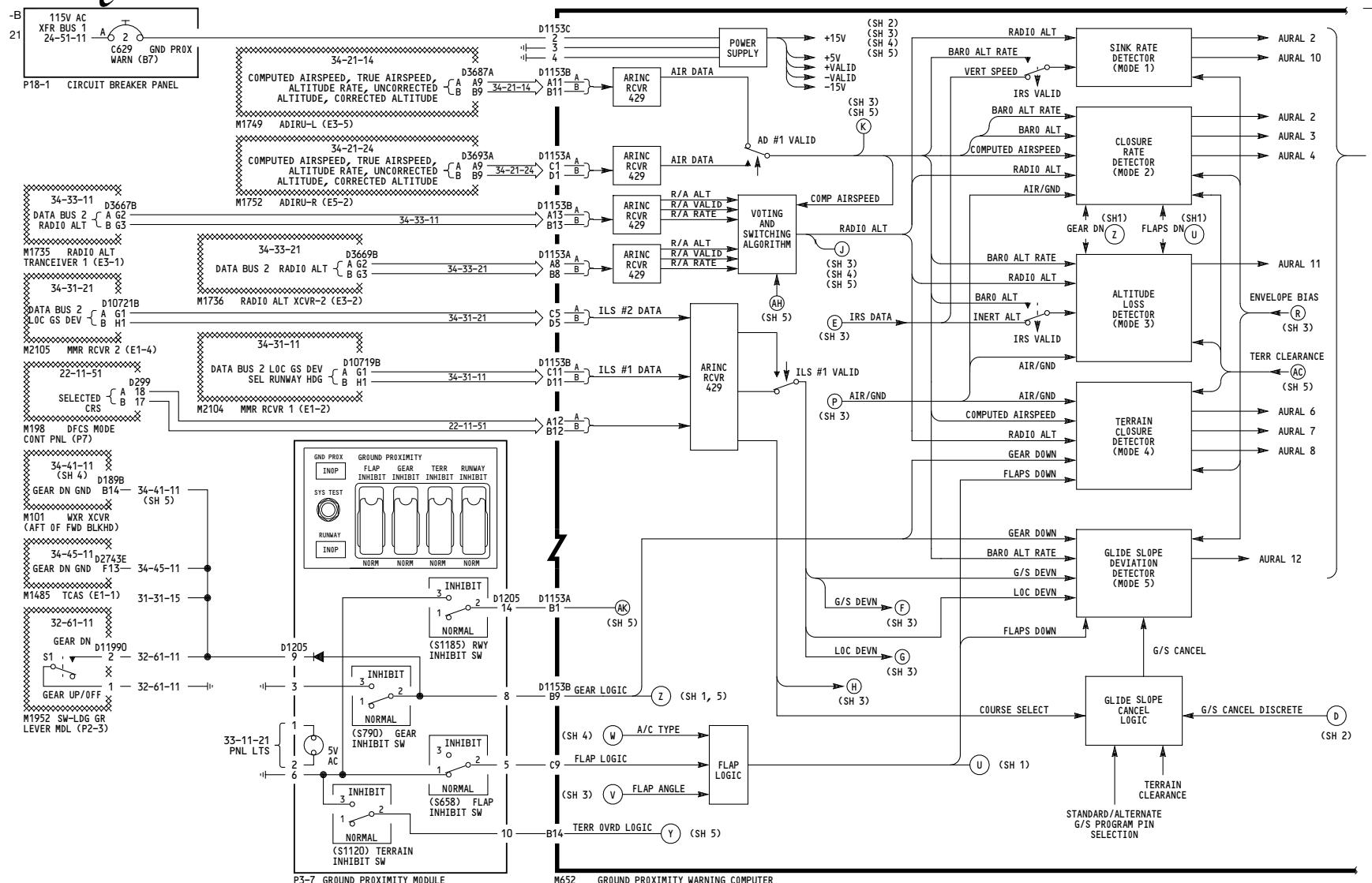
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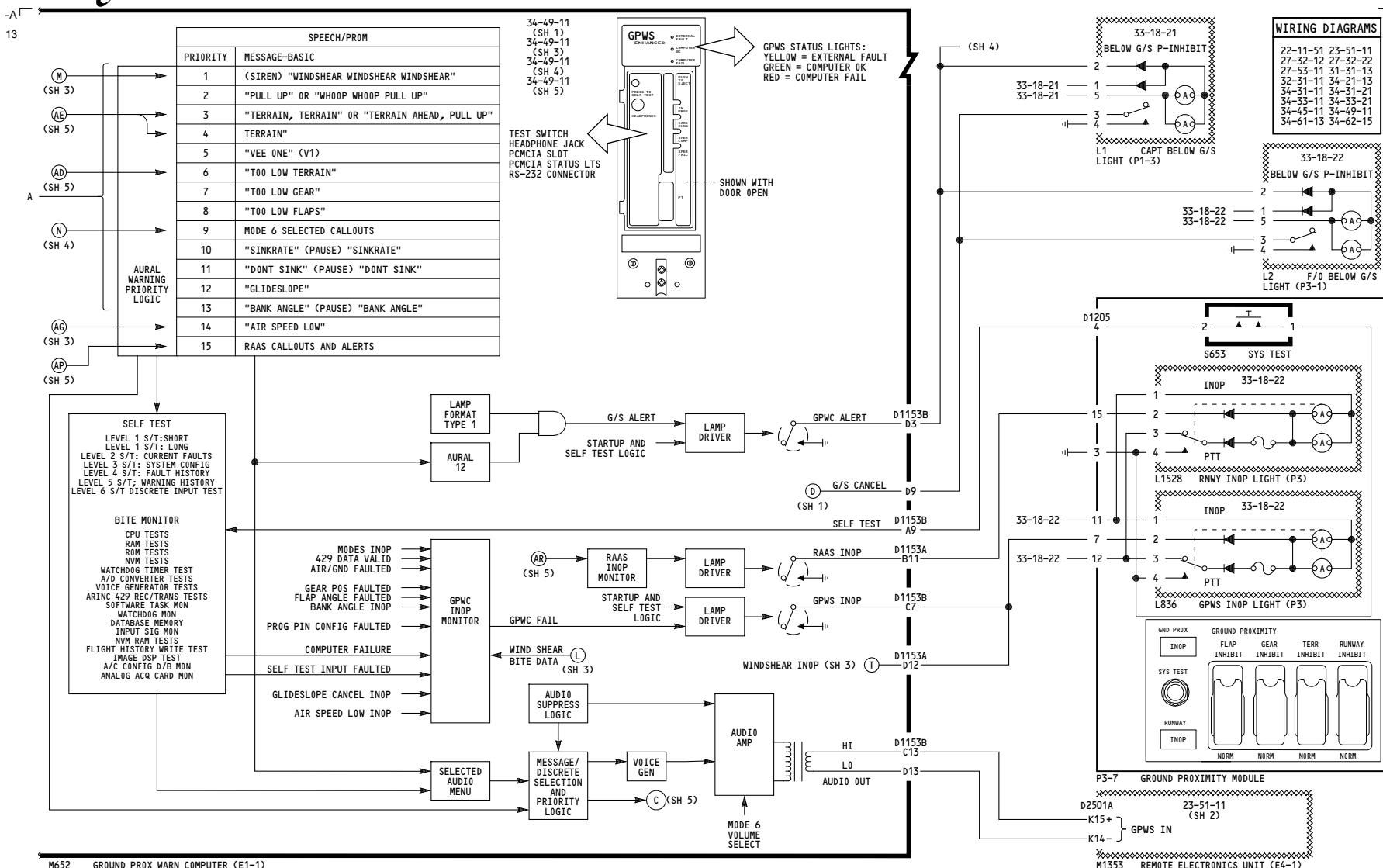


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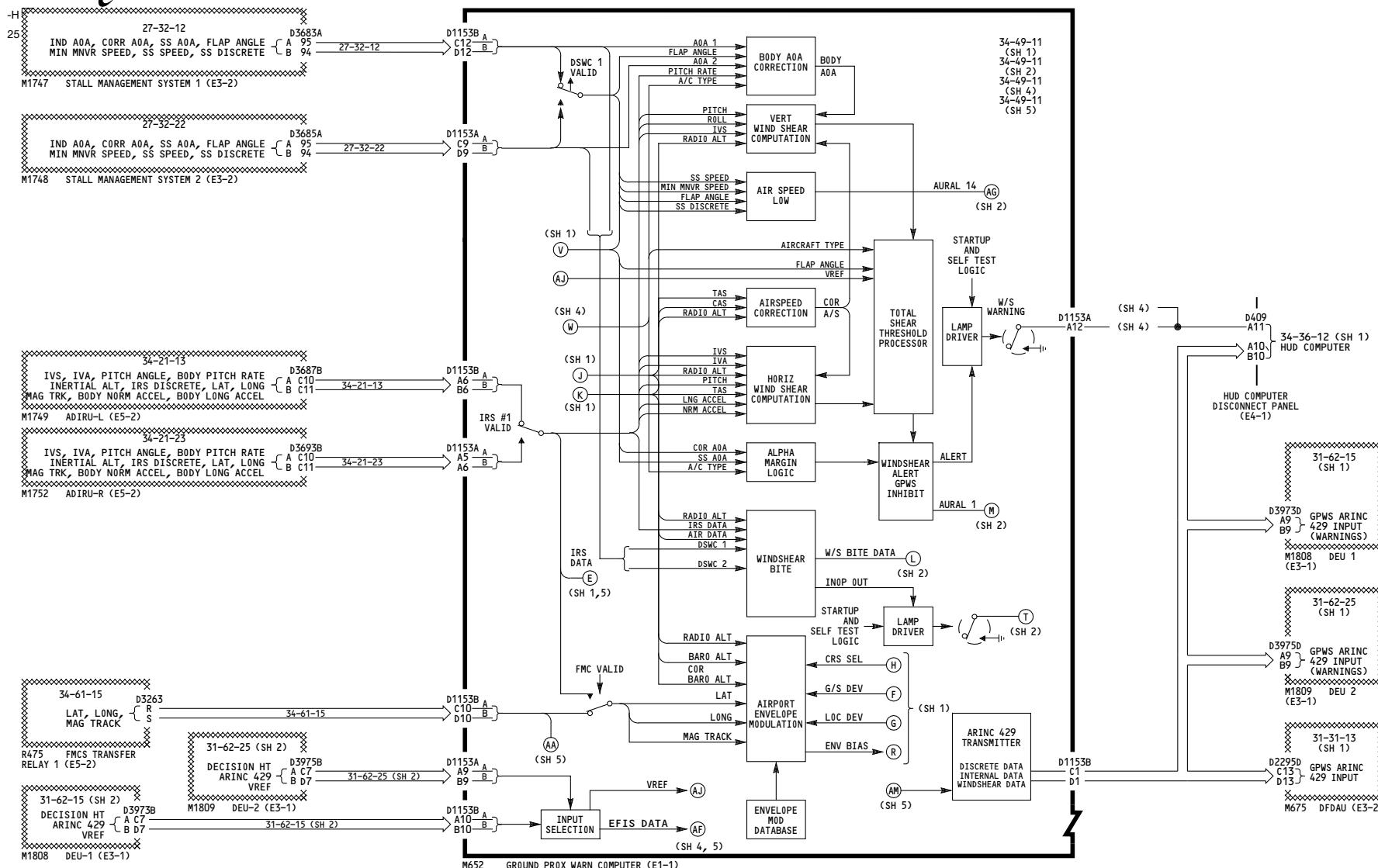
M652 GROUND PROX WARN COMPUTER (E1-1)

GROUND PROXIMITY WARNING

D280A451

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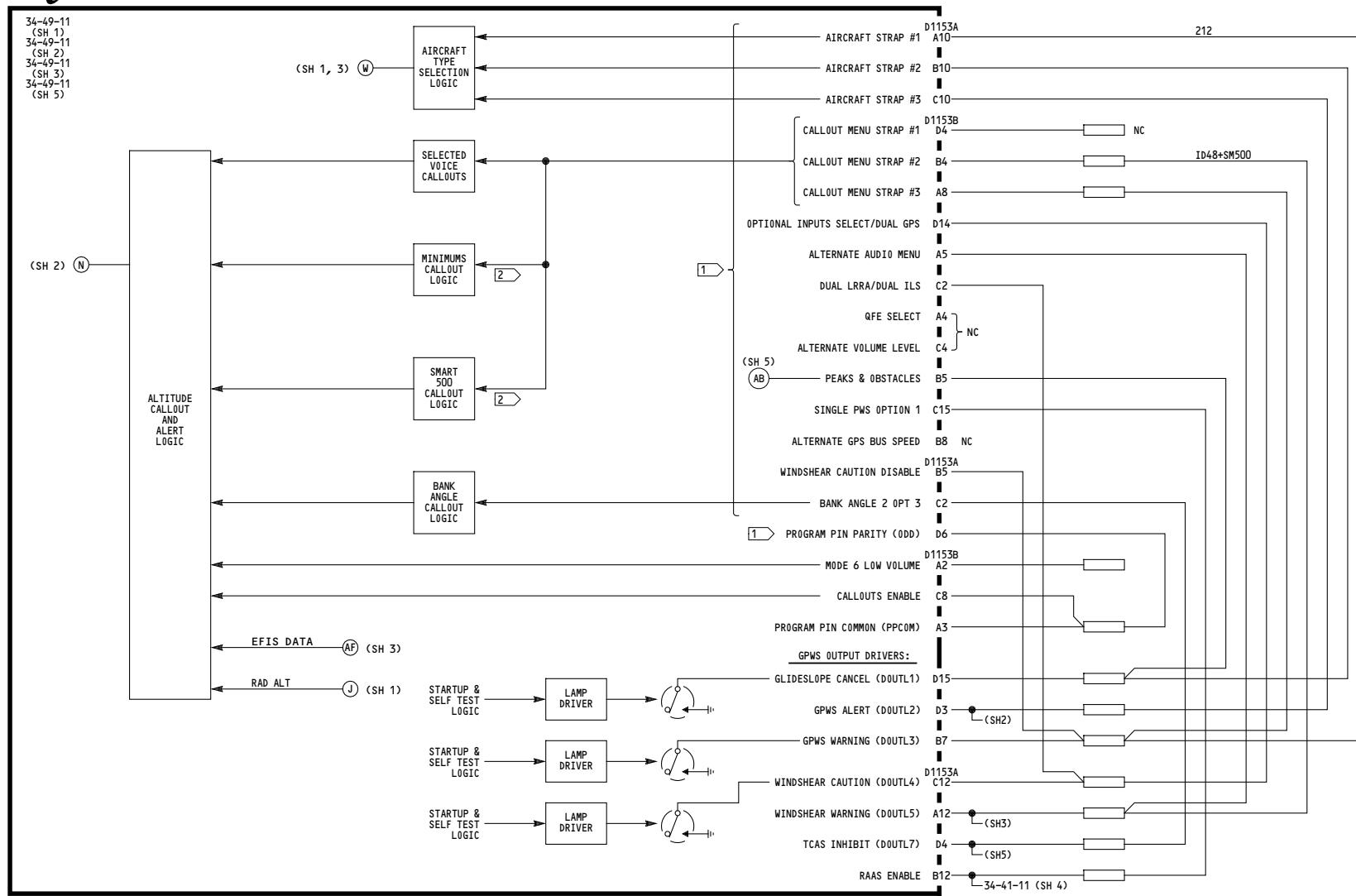


YT101-YT103

GROUND PROXIMITY WARNING

D280A451

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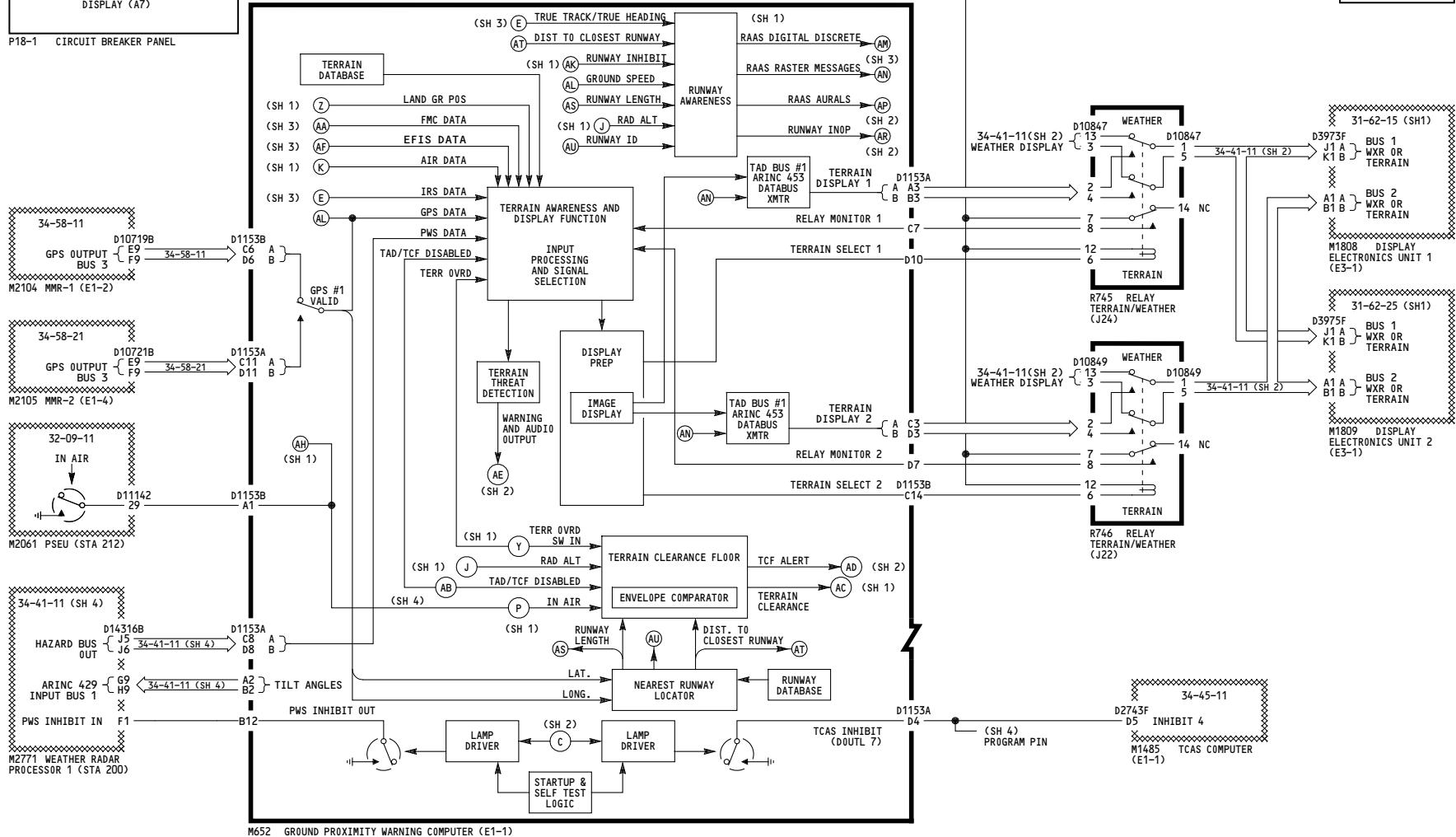
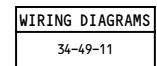
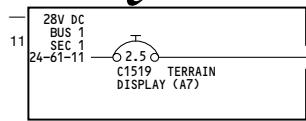
YT101-YT103

GROUND PROXIMITY WARNING

D280A451

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YT101-YT103

GROUND PROXIMITY WARNING

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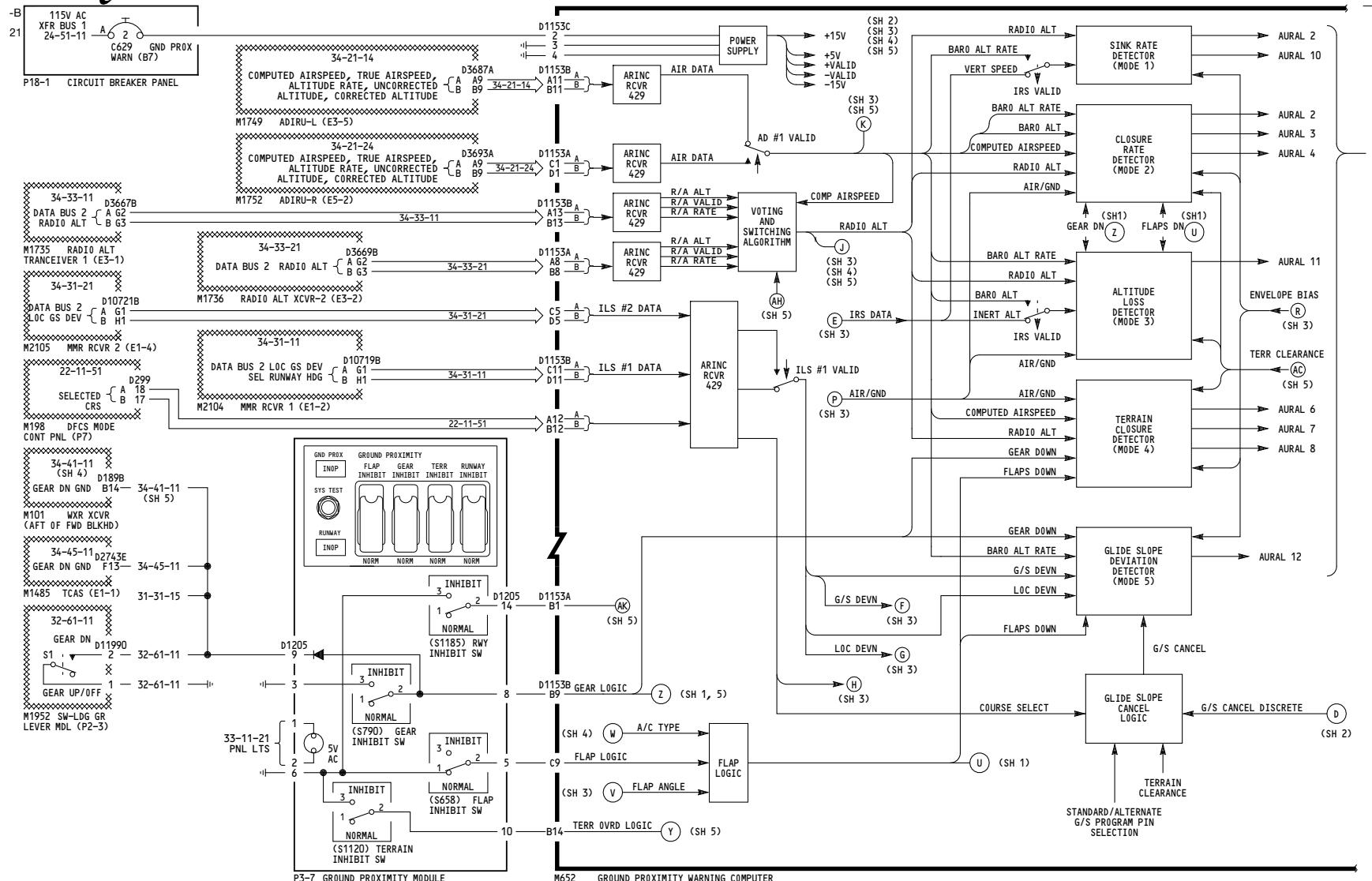
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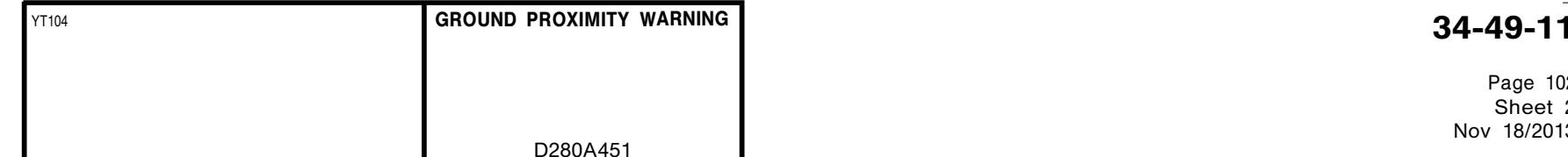
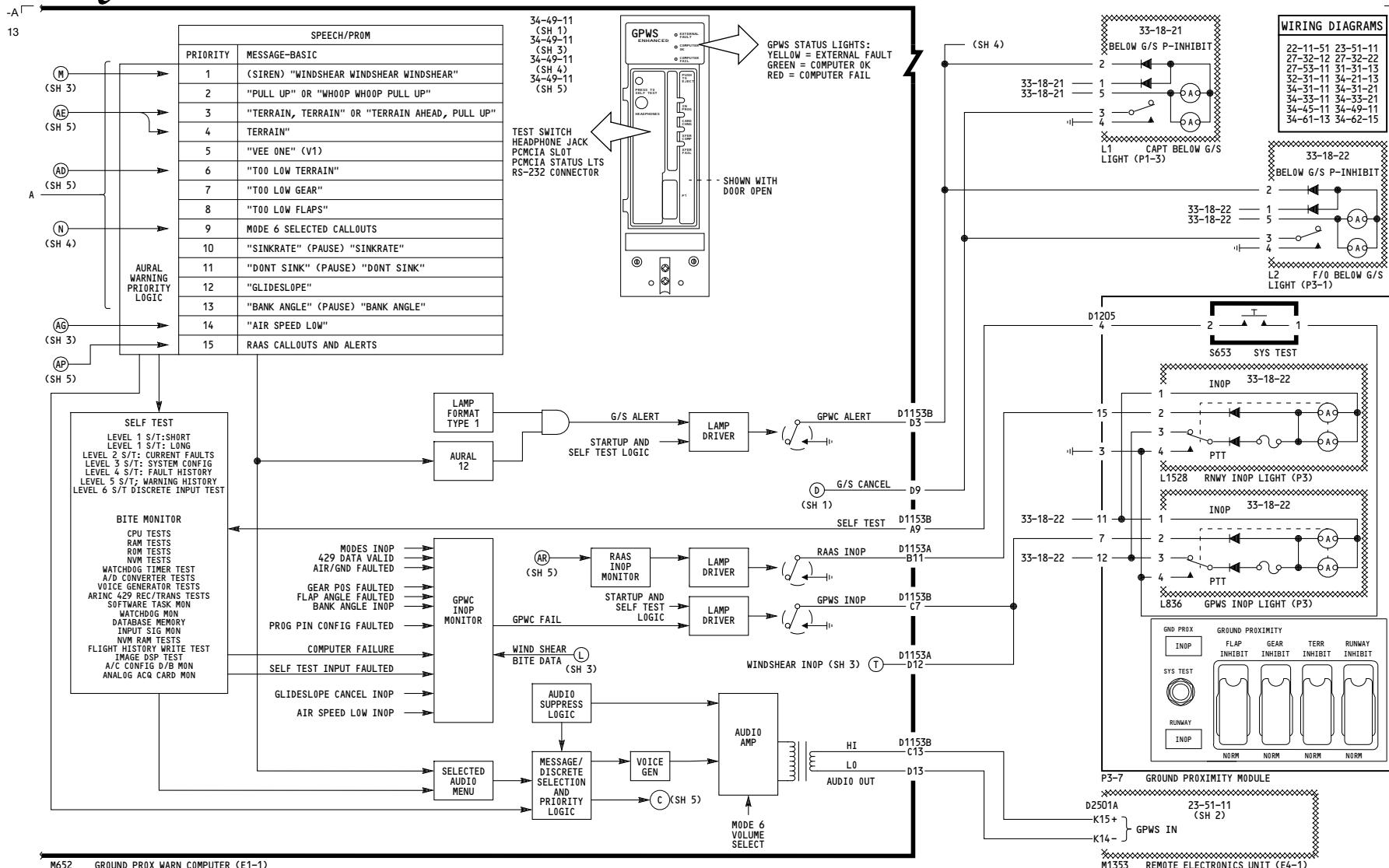


737-800 SYSTEM SCHEMATIC MANUAL



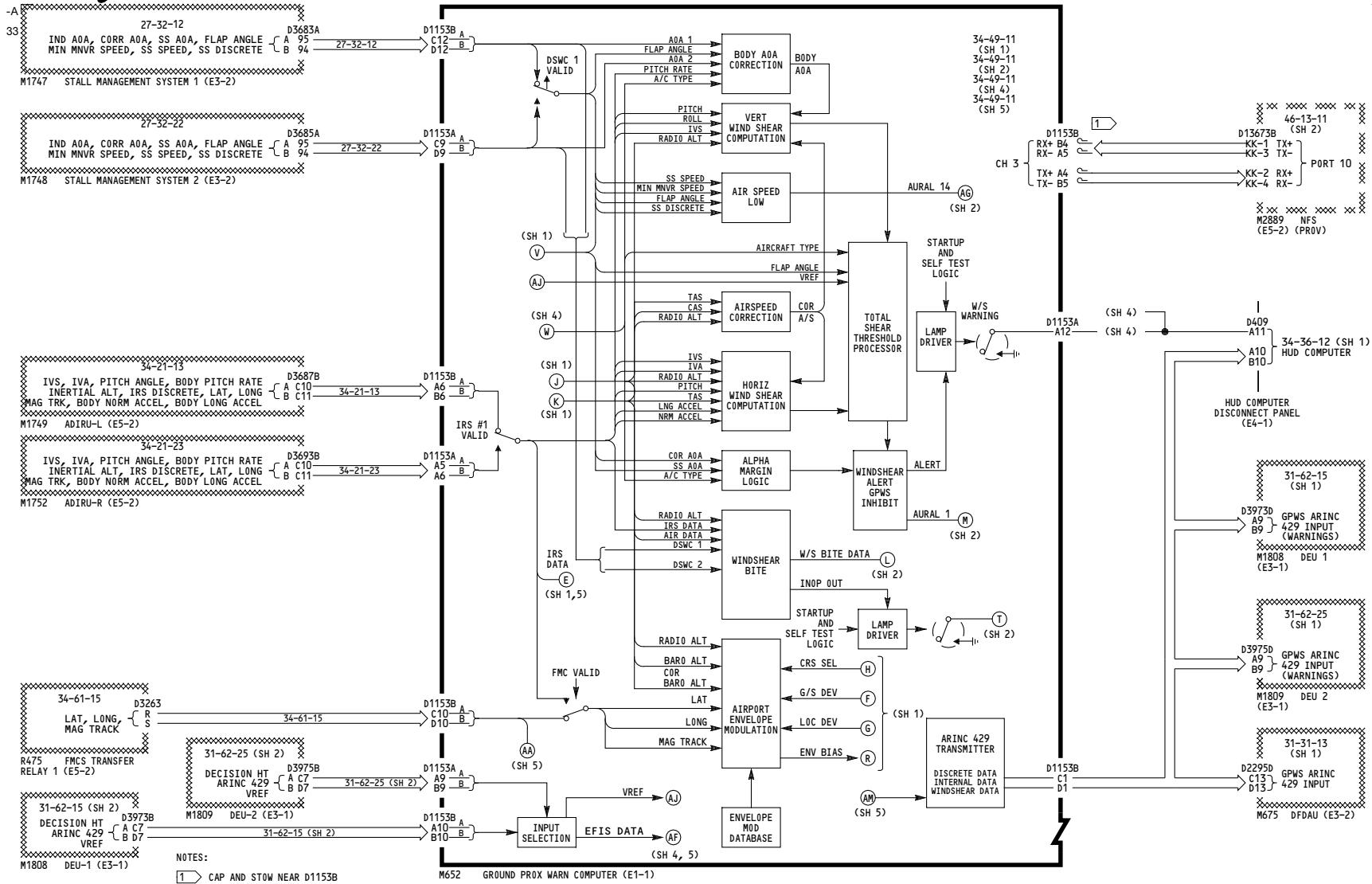
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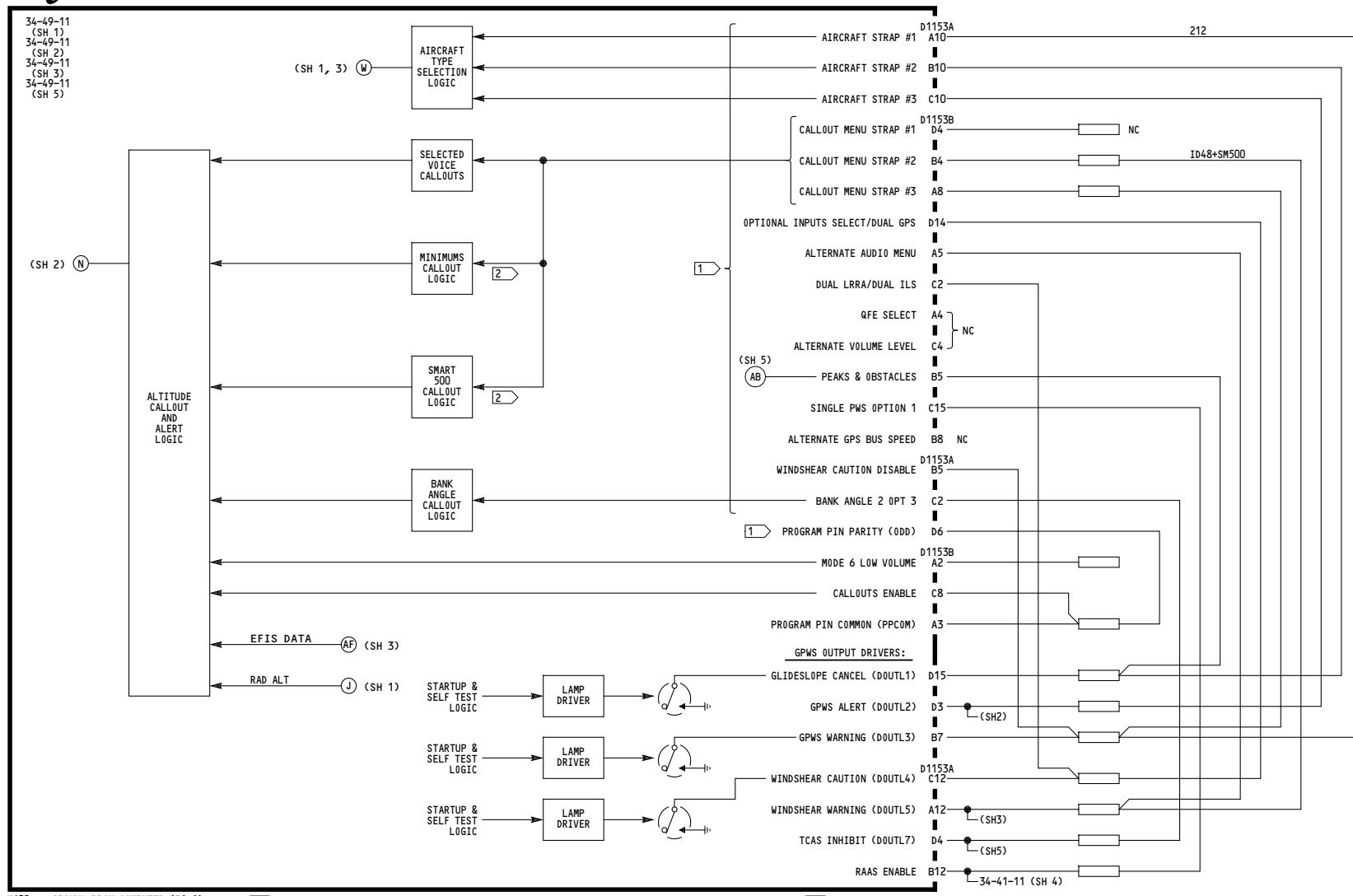
YT104

GROUND PROXIMITY WARNING

D280A451

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M652 GROUND PROX COMPUTER (E1-1)

2 LOGIC USED IF CALLOUT SELECTION INCLUDES MINIMUMS AND /OR SMART 500 CALLOUTS.

1 THESE 17 PROGRAM PINS ARE INVOLVED IN THE COUNT FOR PARITY.
PROGRAM PIN MONITORING IS PROVIDED VIA A PARITY PIN (D6) WHICH IS TO BE
CONNECTED OR NOT TO A3 (COMMON) SUCH THAT AN ODD NUMBER OF PROGRAM PINS ARE USED.

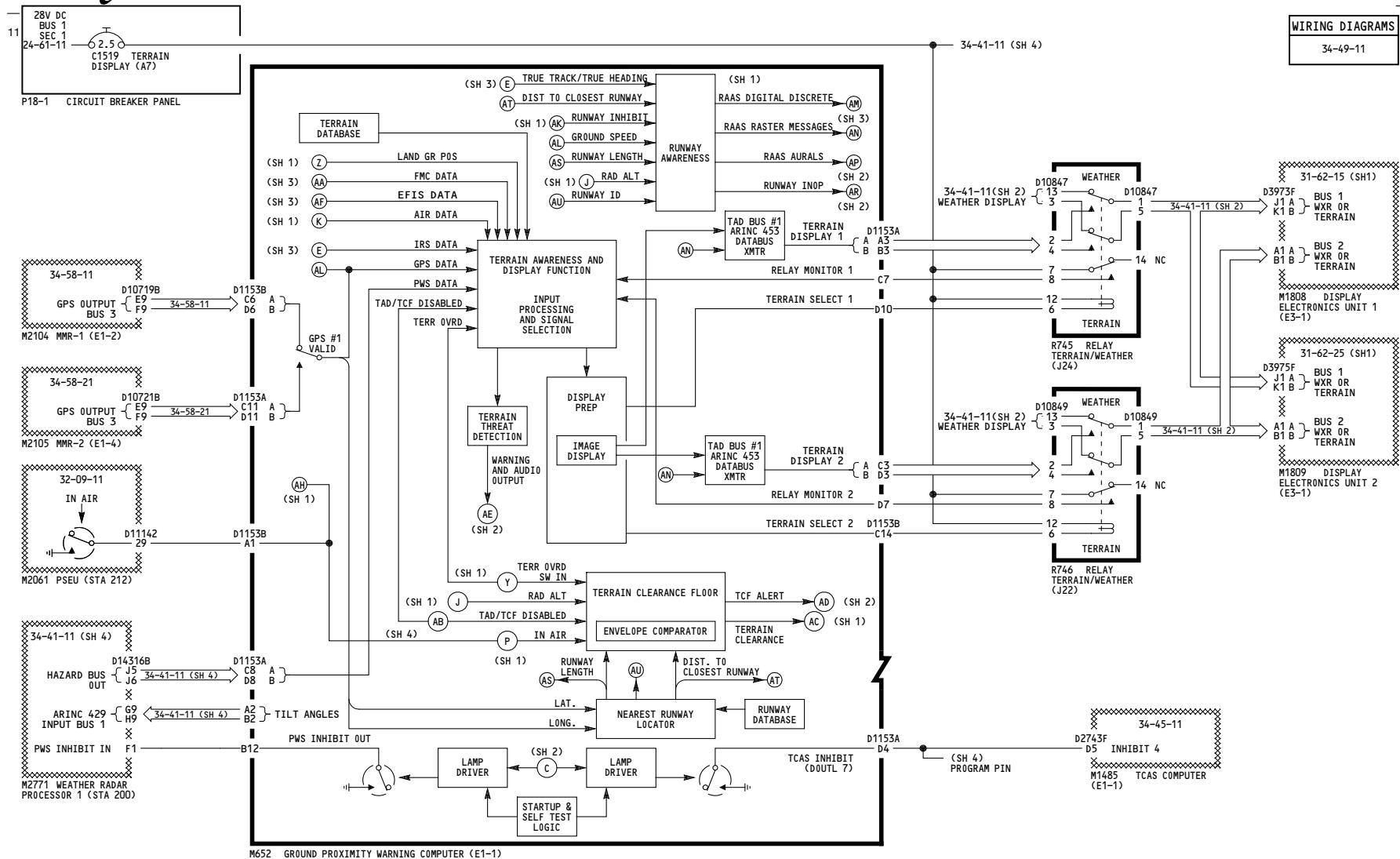
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GROUND PROXIMITY WARNING

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YT104

GROUND PROXIMITY WARNING

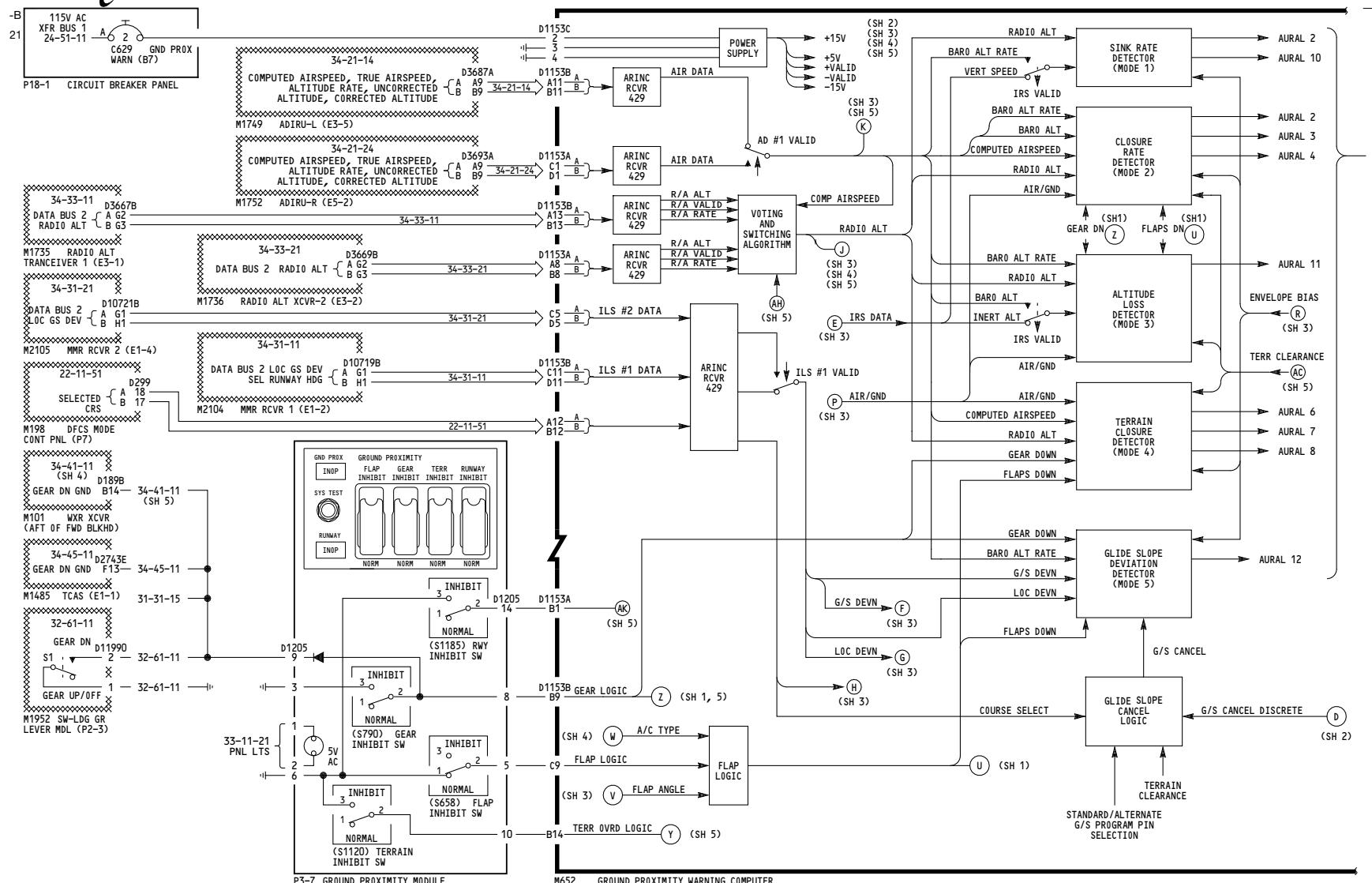
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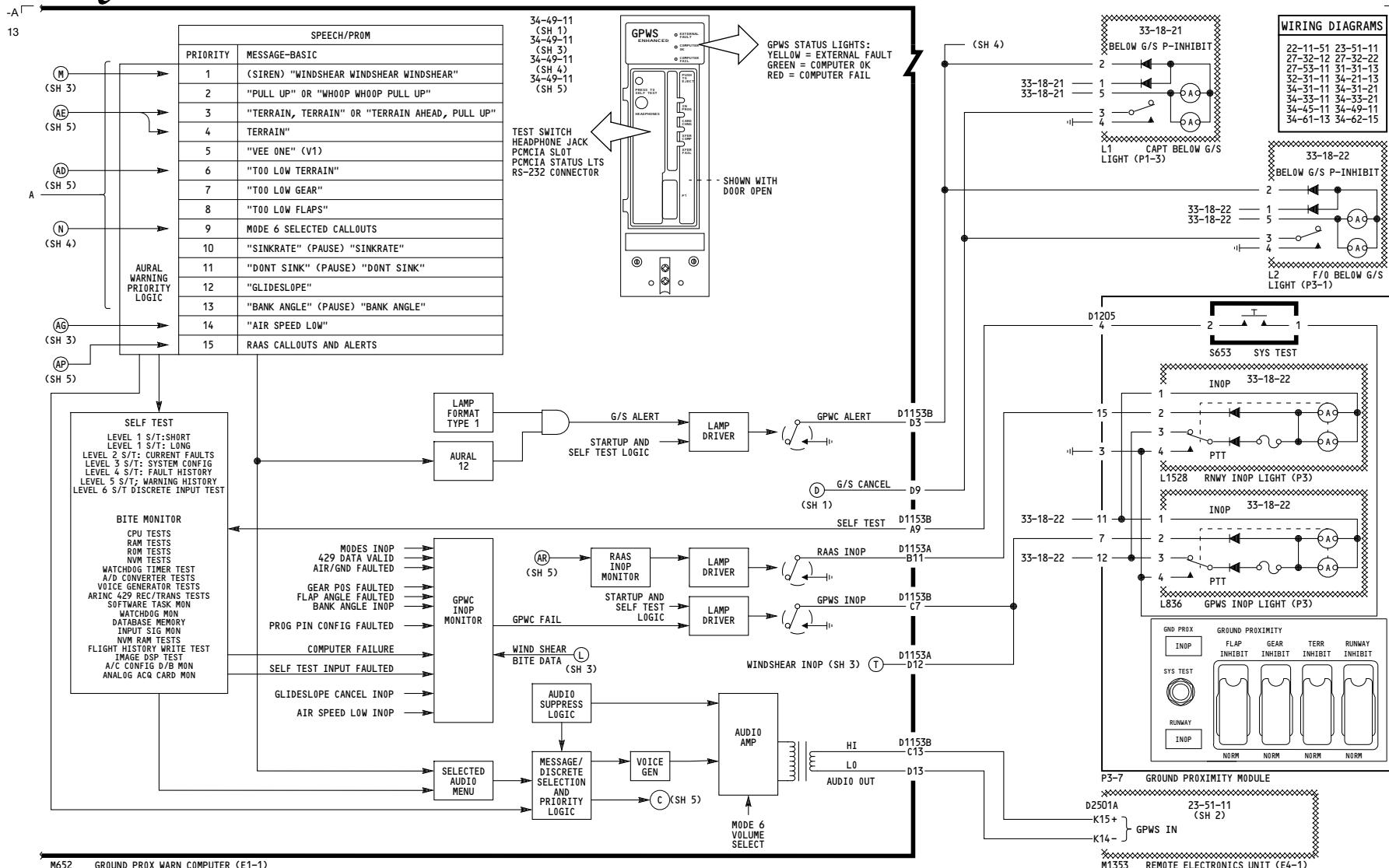
YT105, YT126-YT133

GROUND PROXIMITY WARNING

D280A451

34-49-11

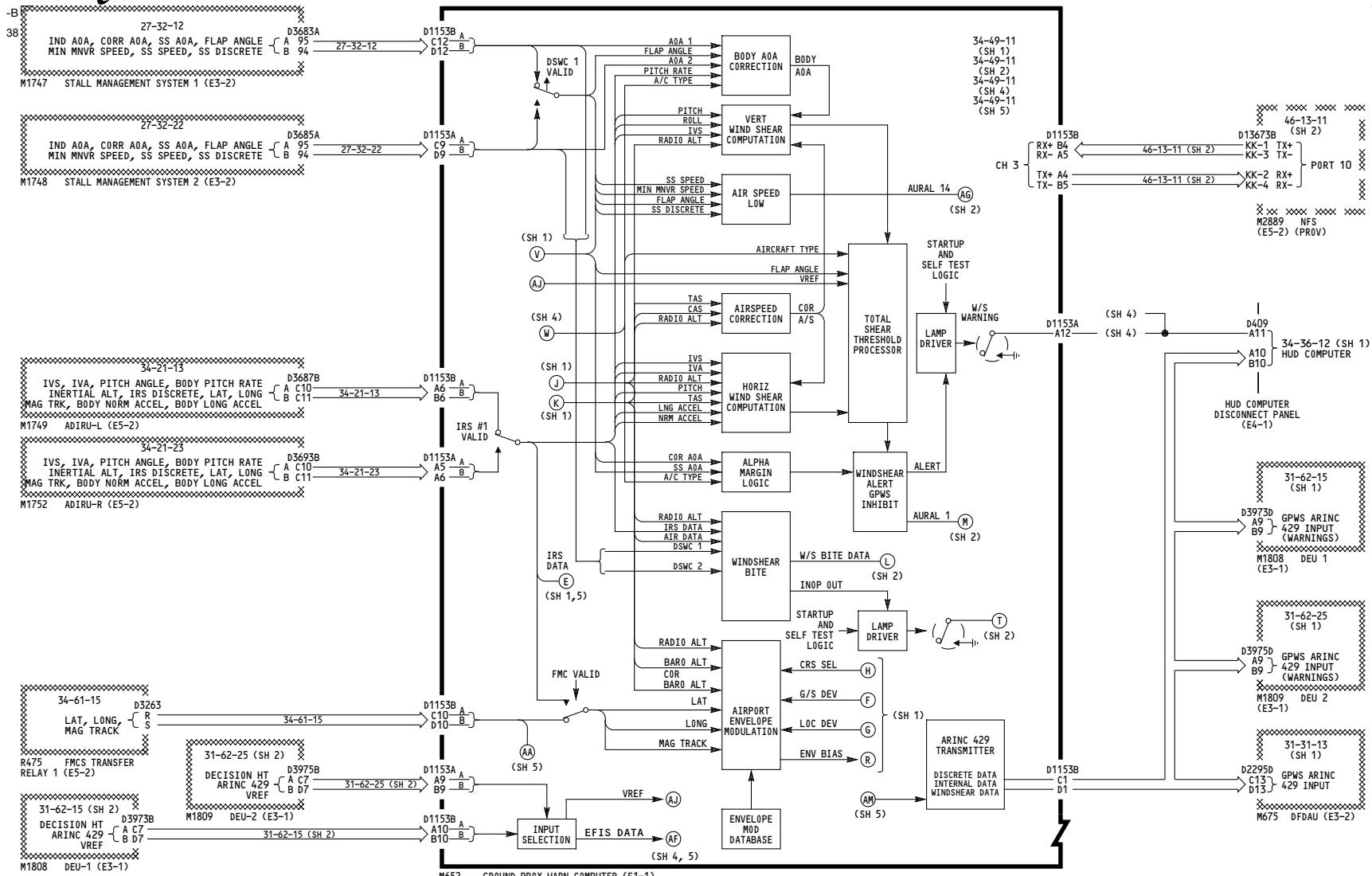
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YT105, YT126-YT133

GROUND PROXIMITY WARNING

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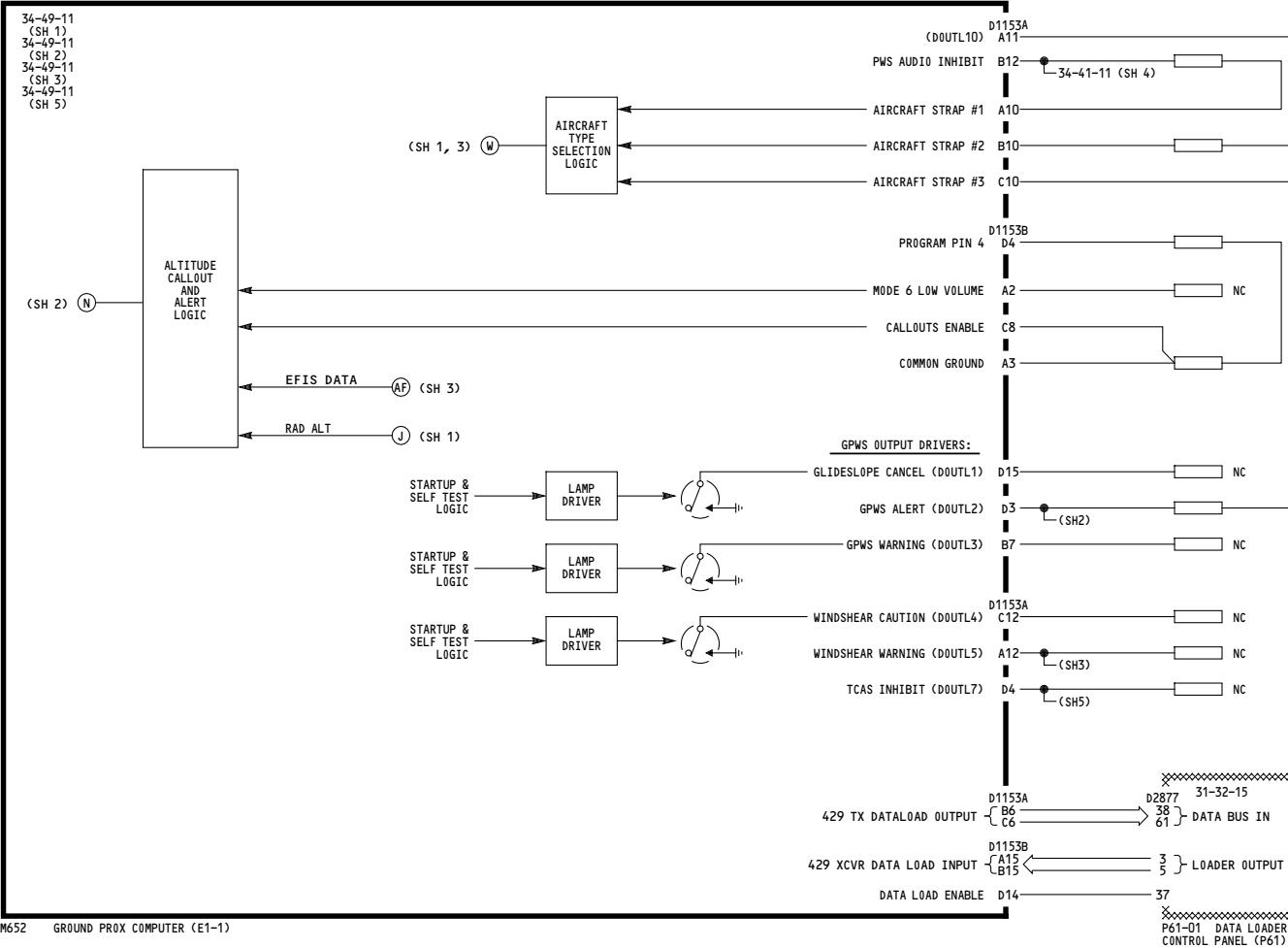


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GROUND PROXIMITY WARNING

D280A451

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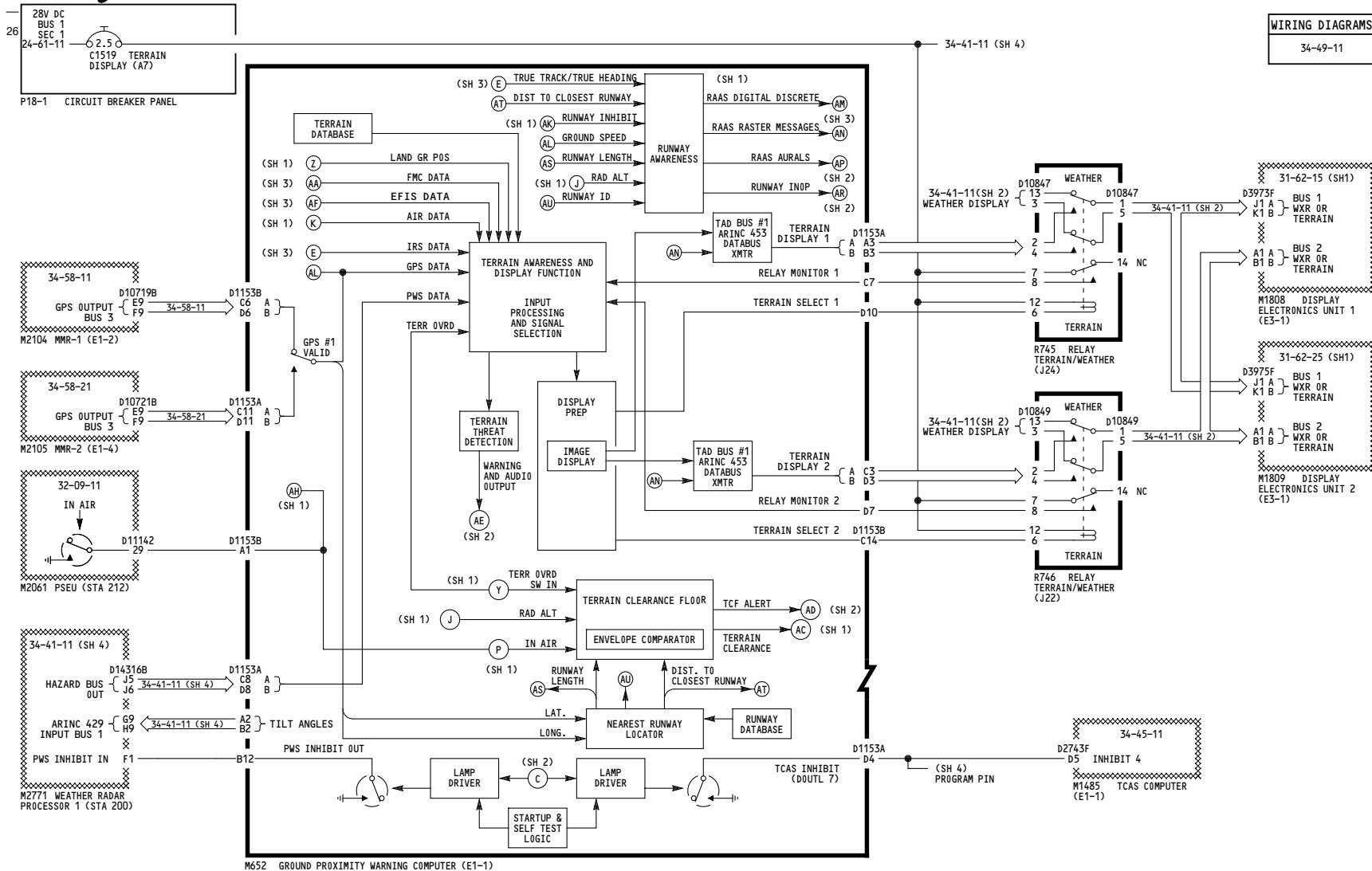
YT105, YT126-YT133

GROUND PROXIMITY WARNING

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YT105, YT126-YT133

GROUND PROXIMITY WARNING

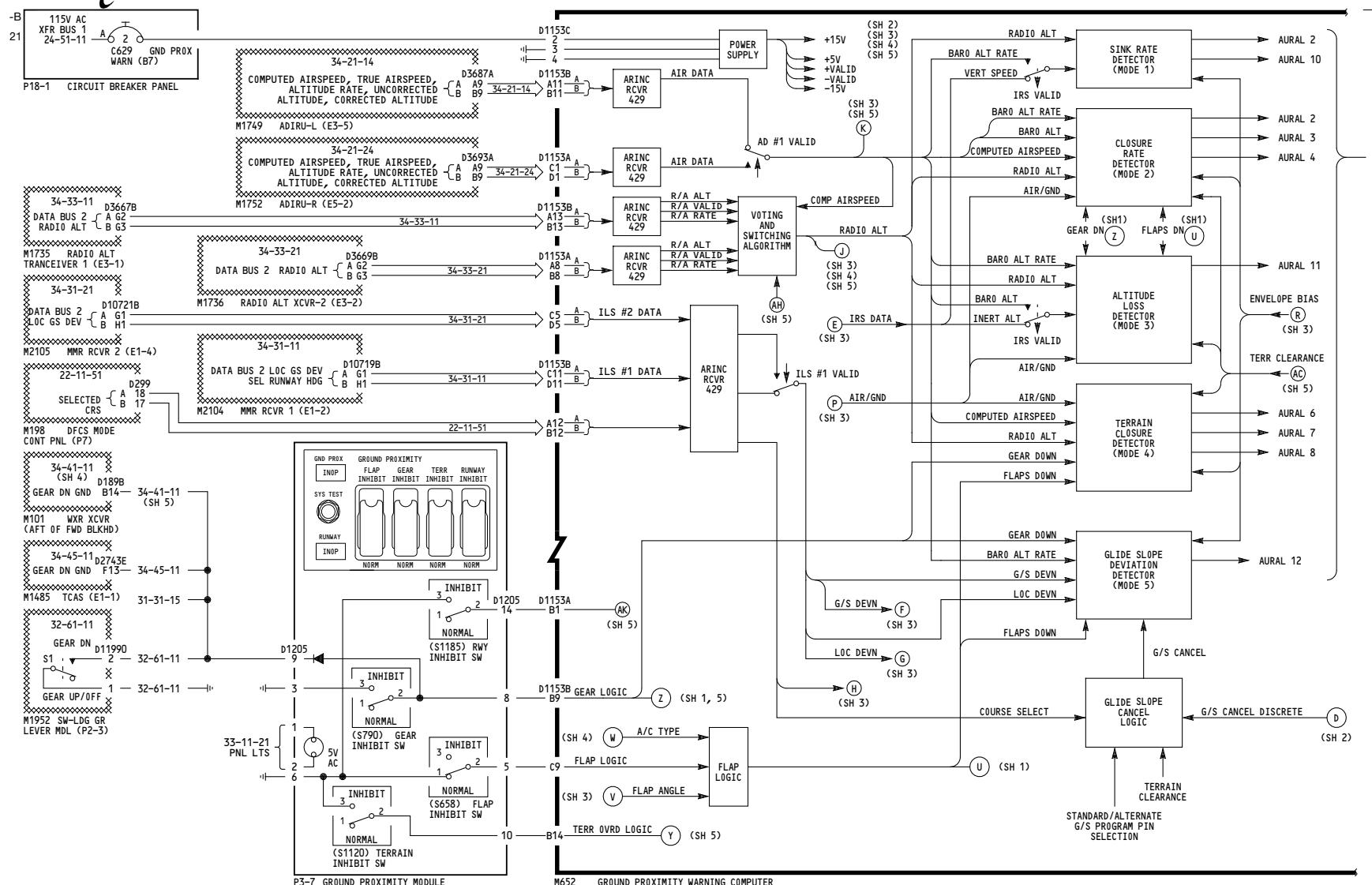
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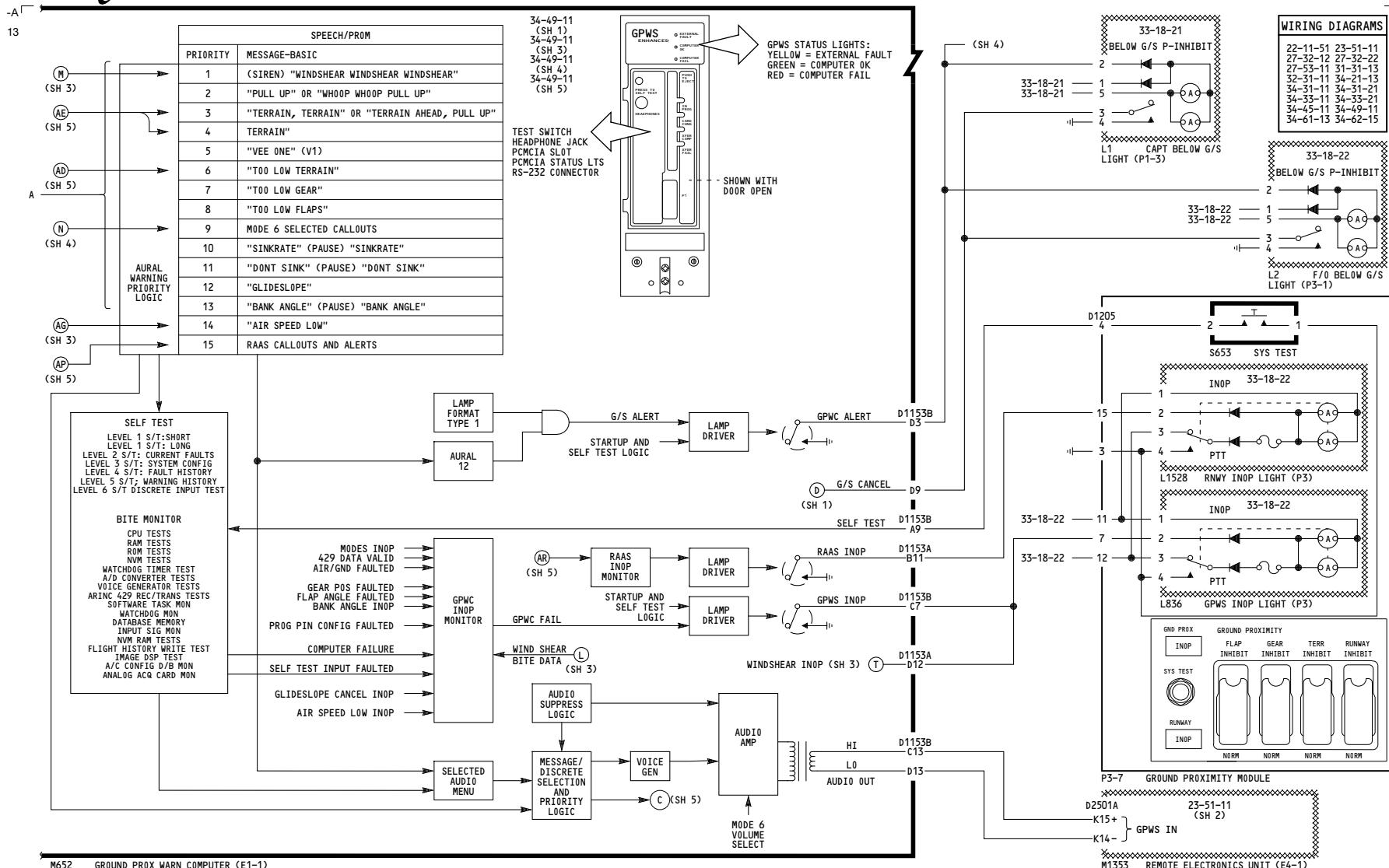
YT106-YT120

GROUND PROXIMITY WARNING

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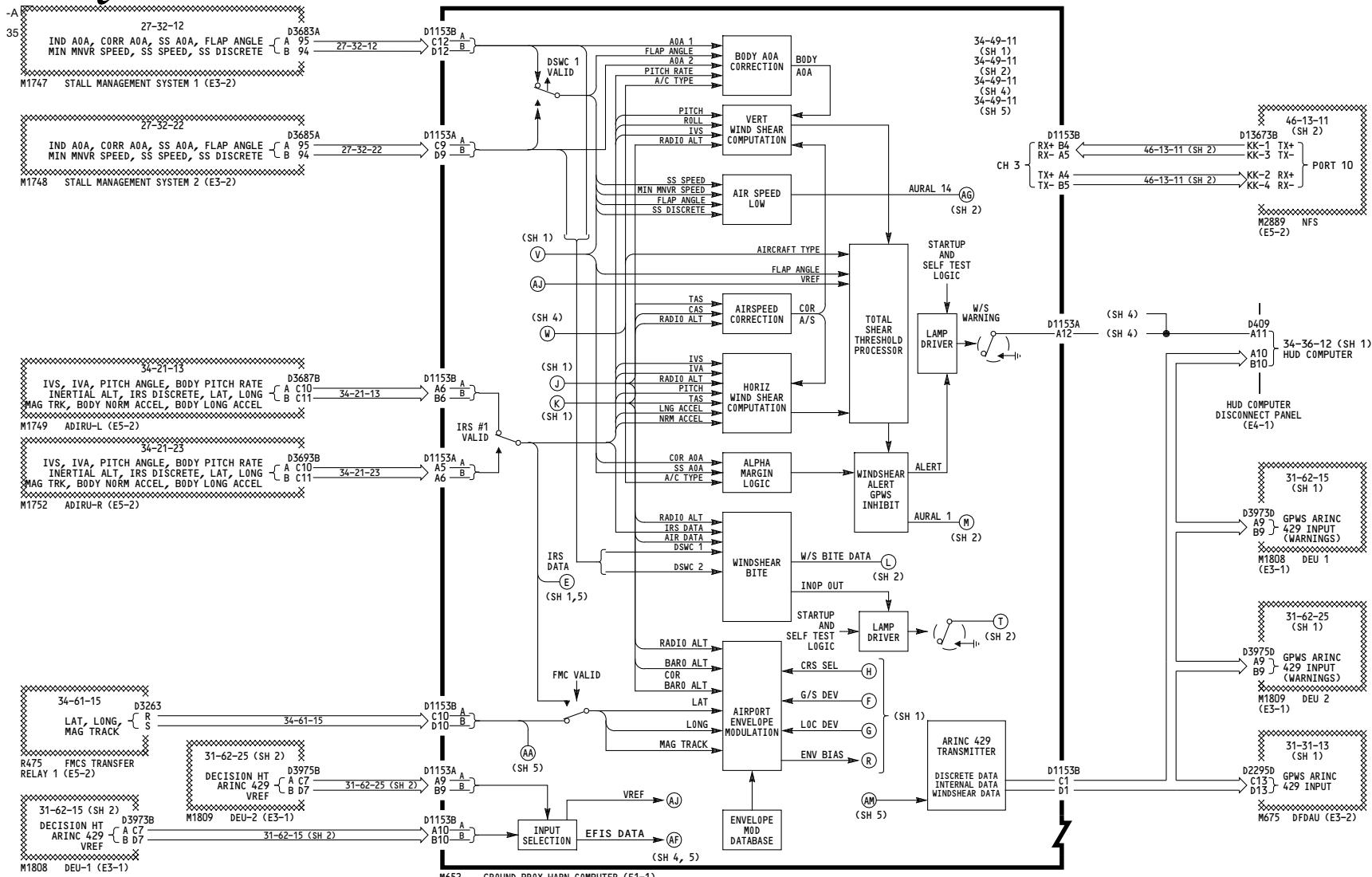


YT106-YT120

GROUND PROXIMITY WARNING

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34-49-11

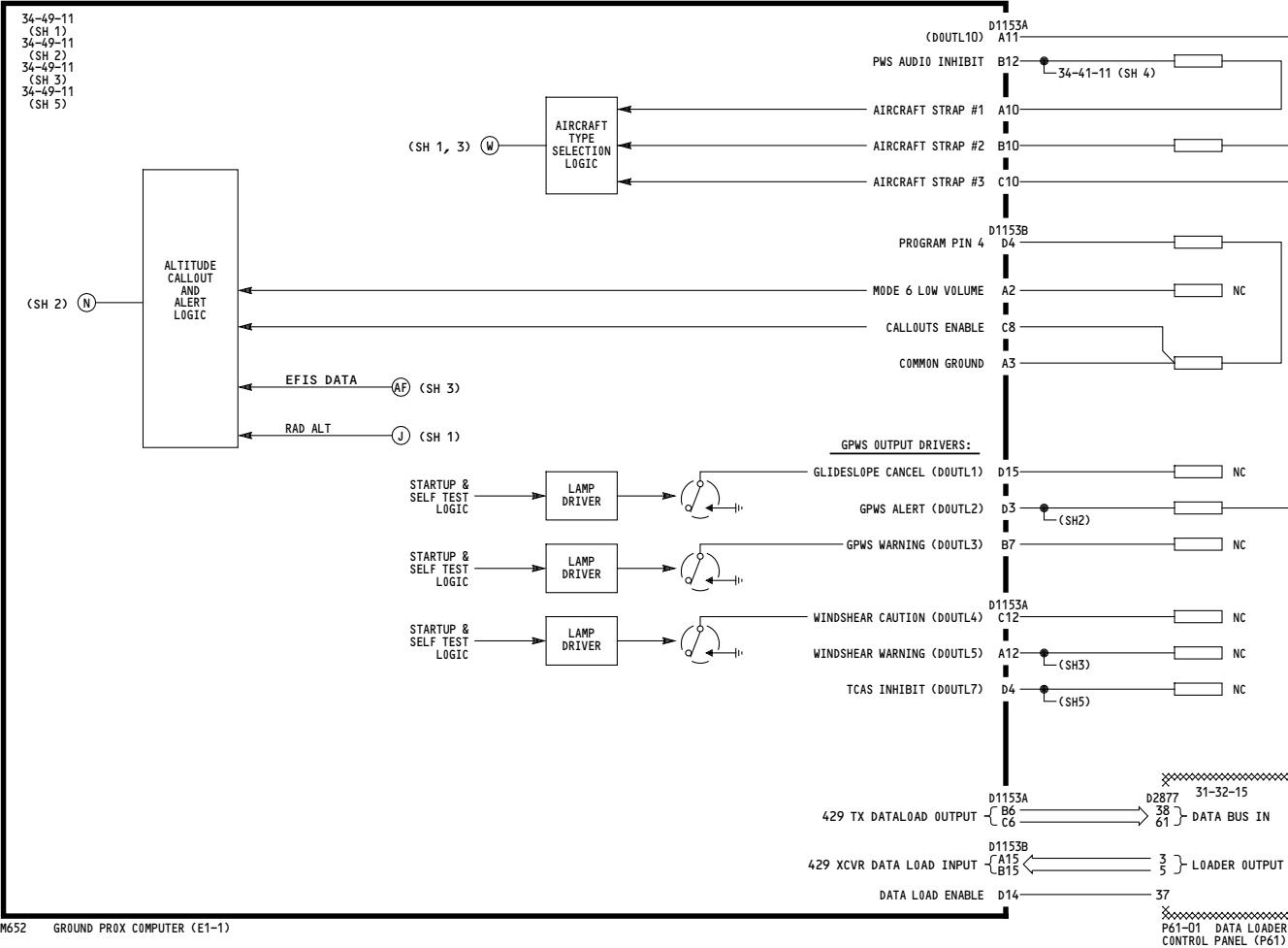


YT106-YT120

GROUND PROXIMITY WARNING

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34-49-11



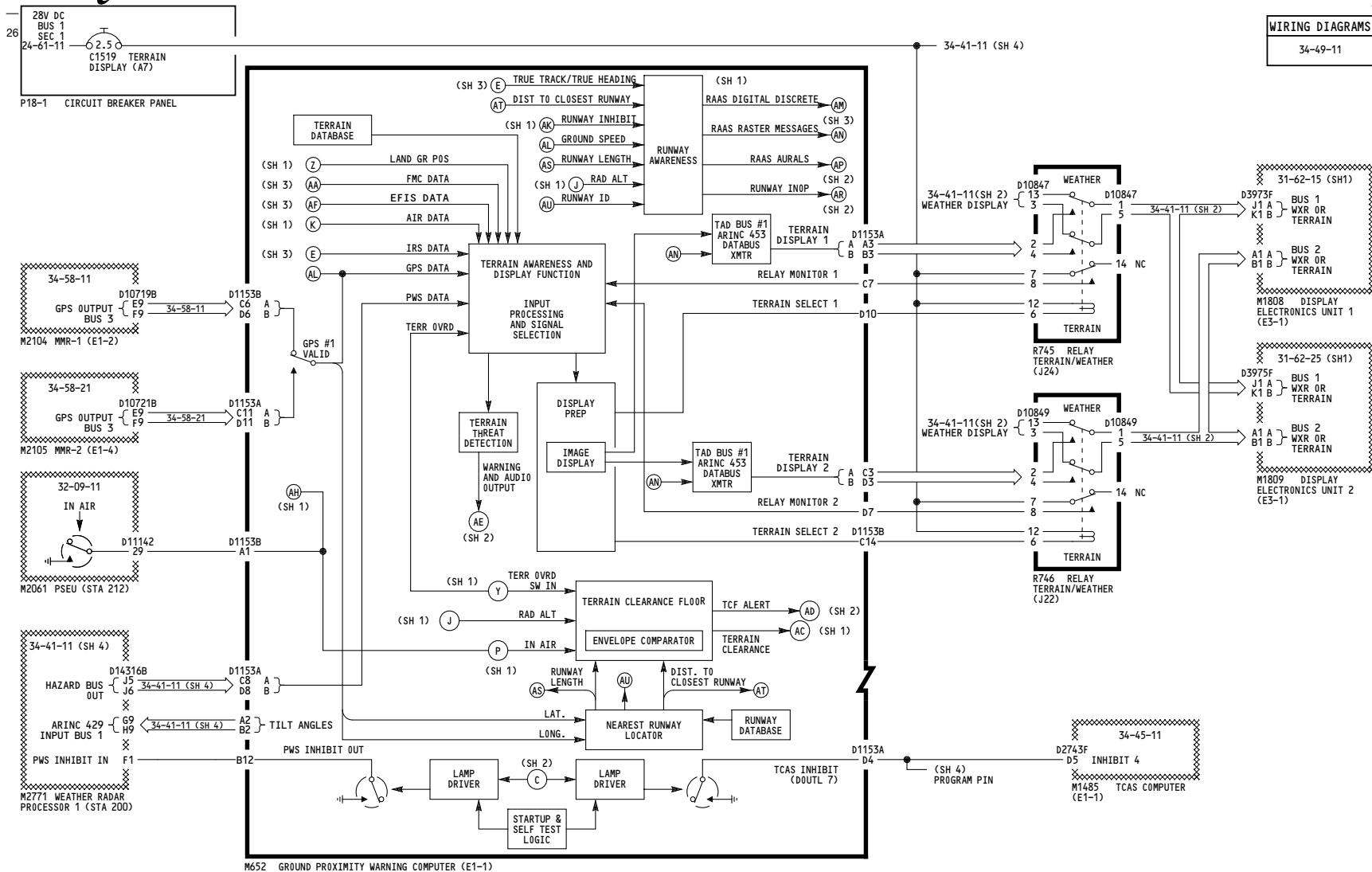
YT106-YT120

GROUND PROXIMITY WARNING

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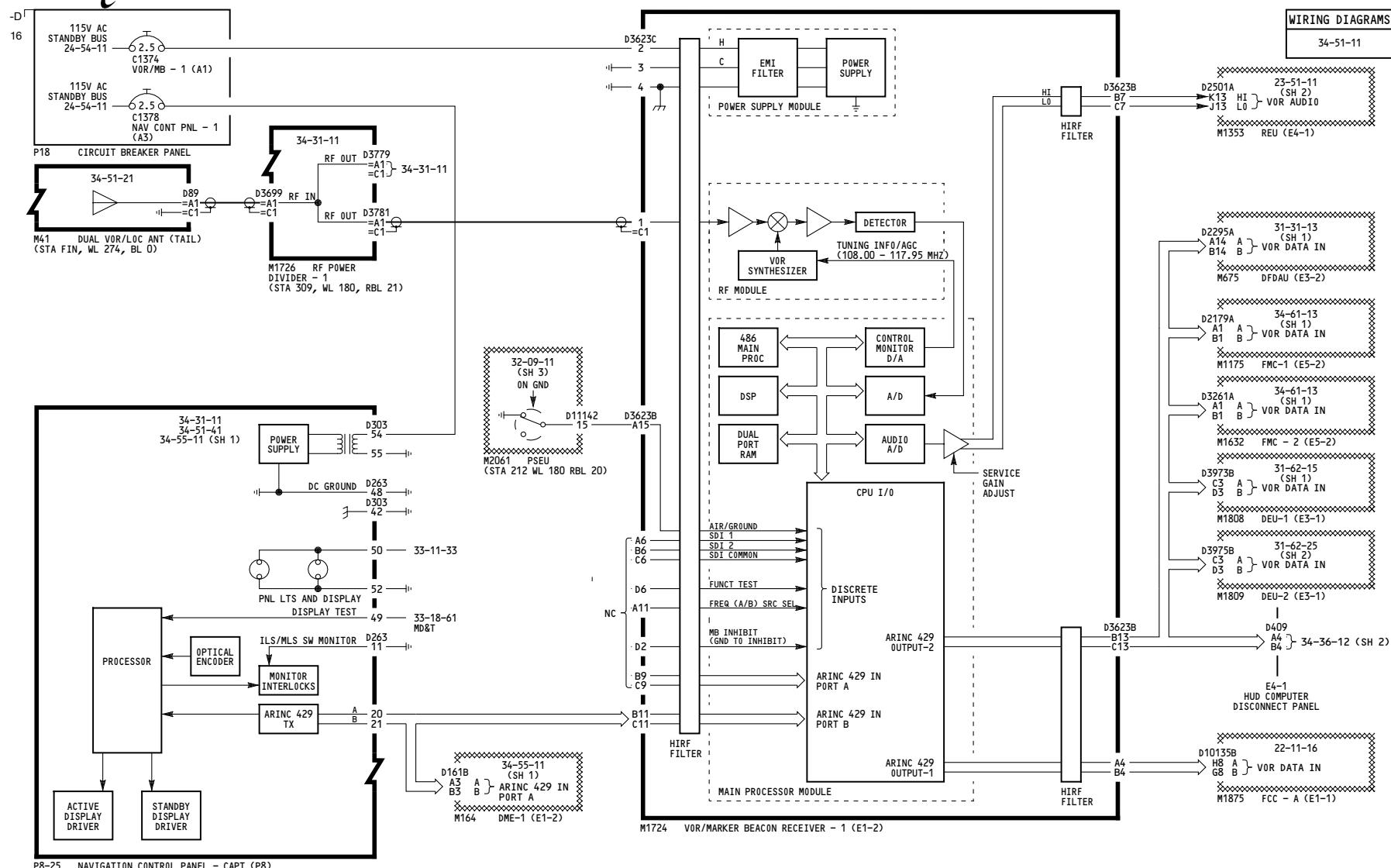
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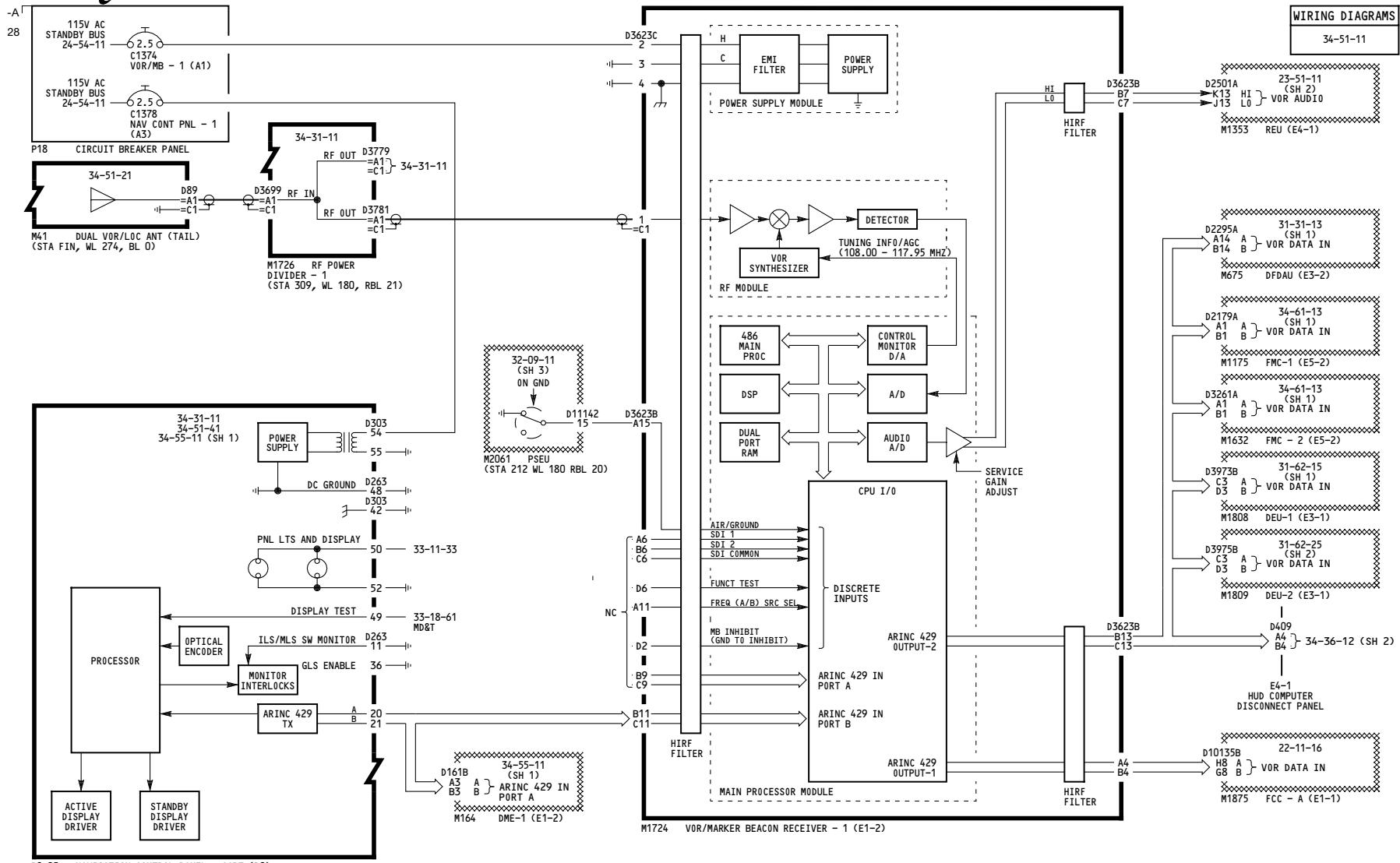
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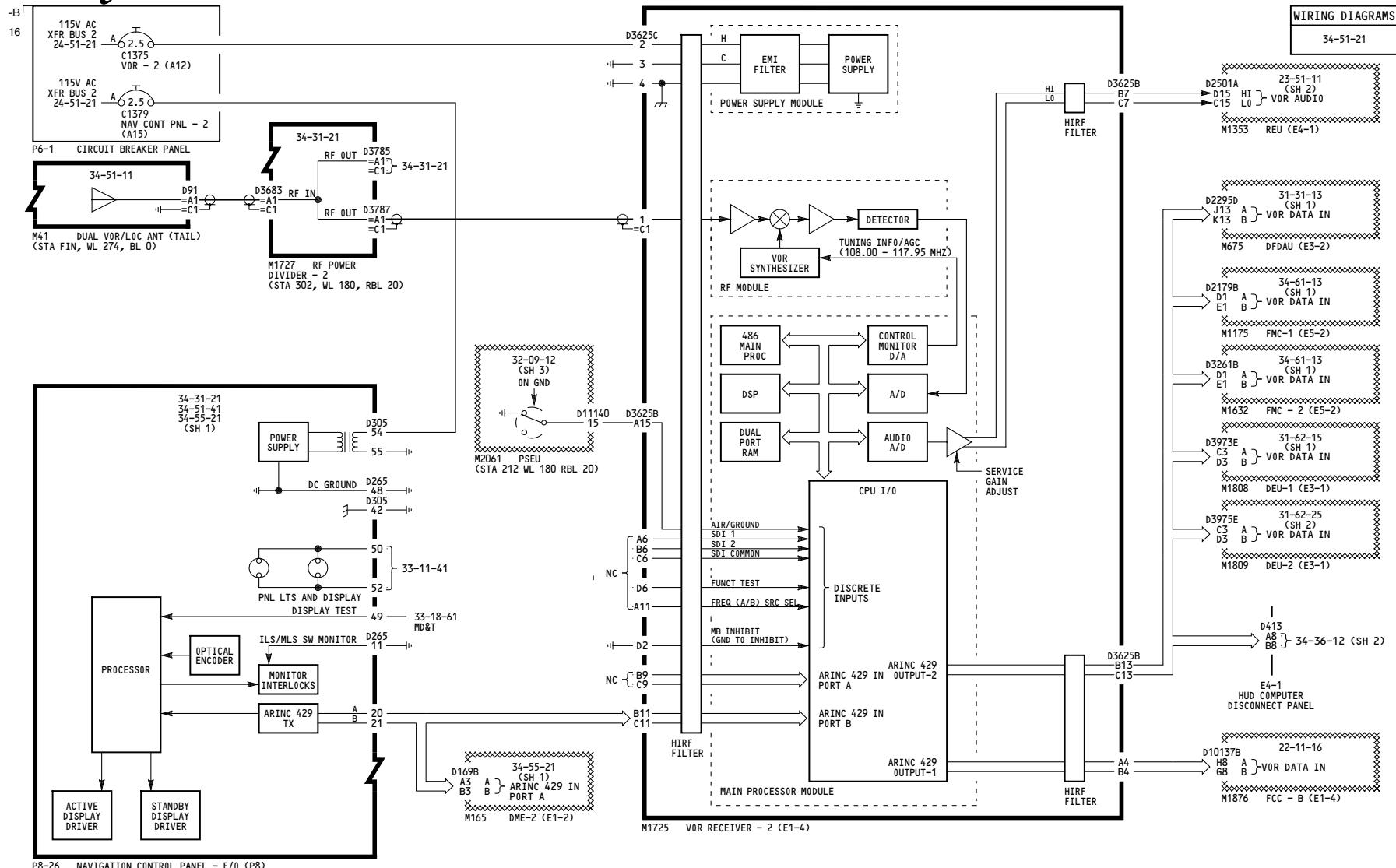
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P8-26 NAVIGATION CONTROL PANEL - F/0 (P8)

YT101-YT119, YT126-YT129

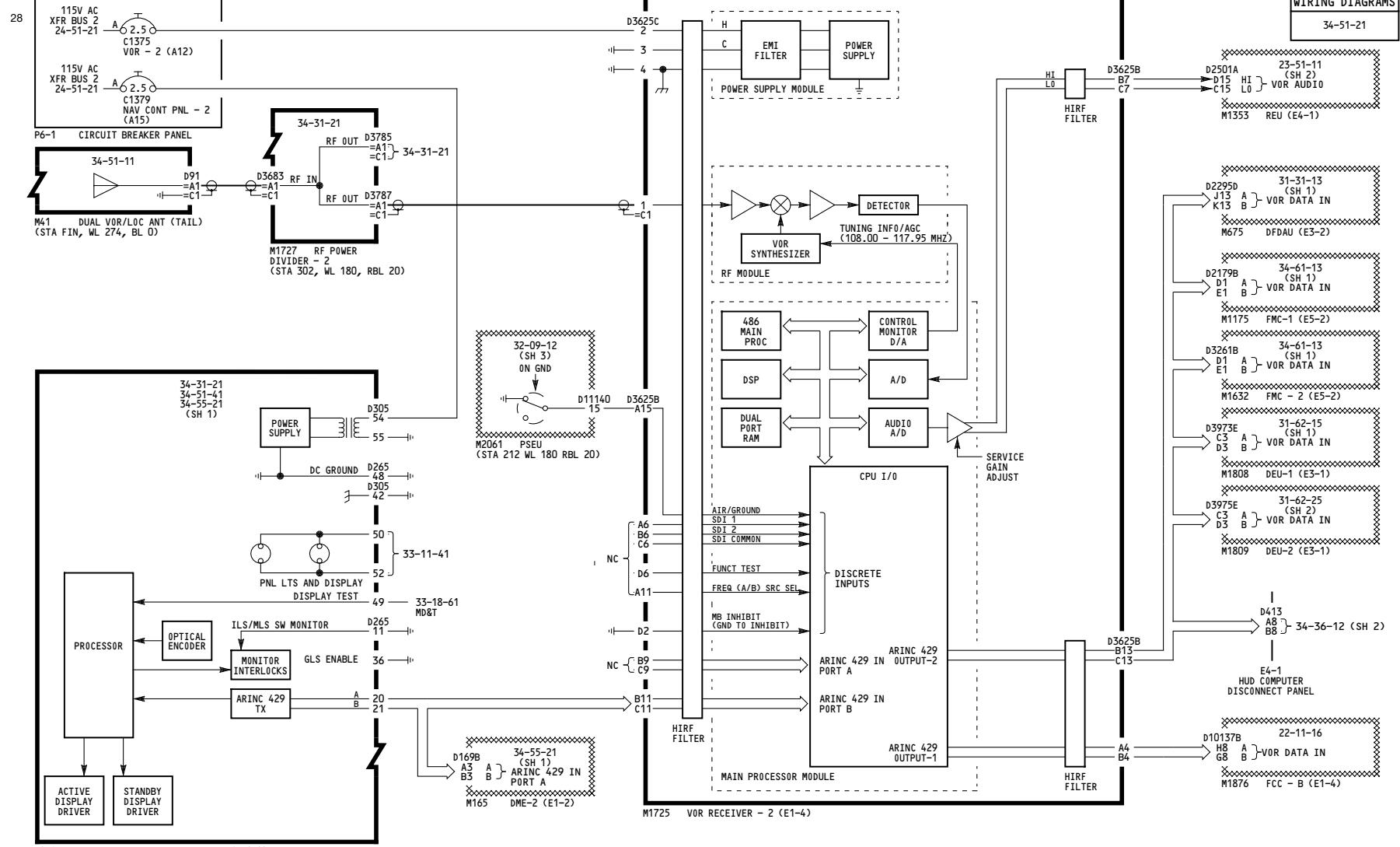
VOR NO. 2

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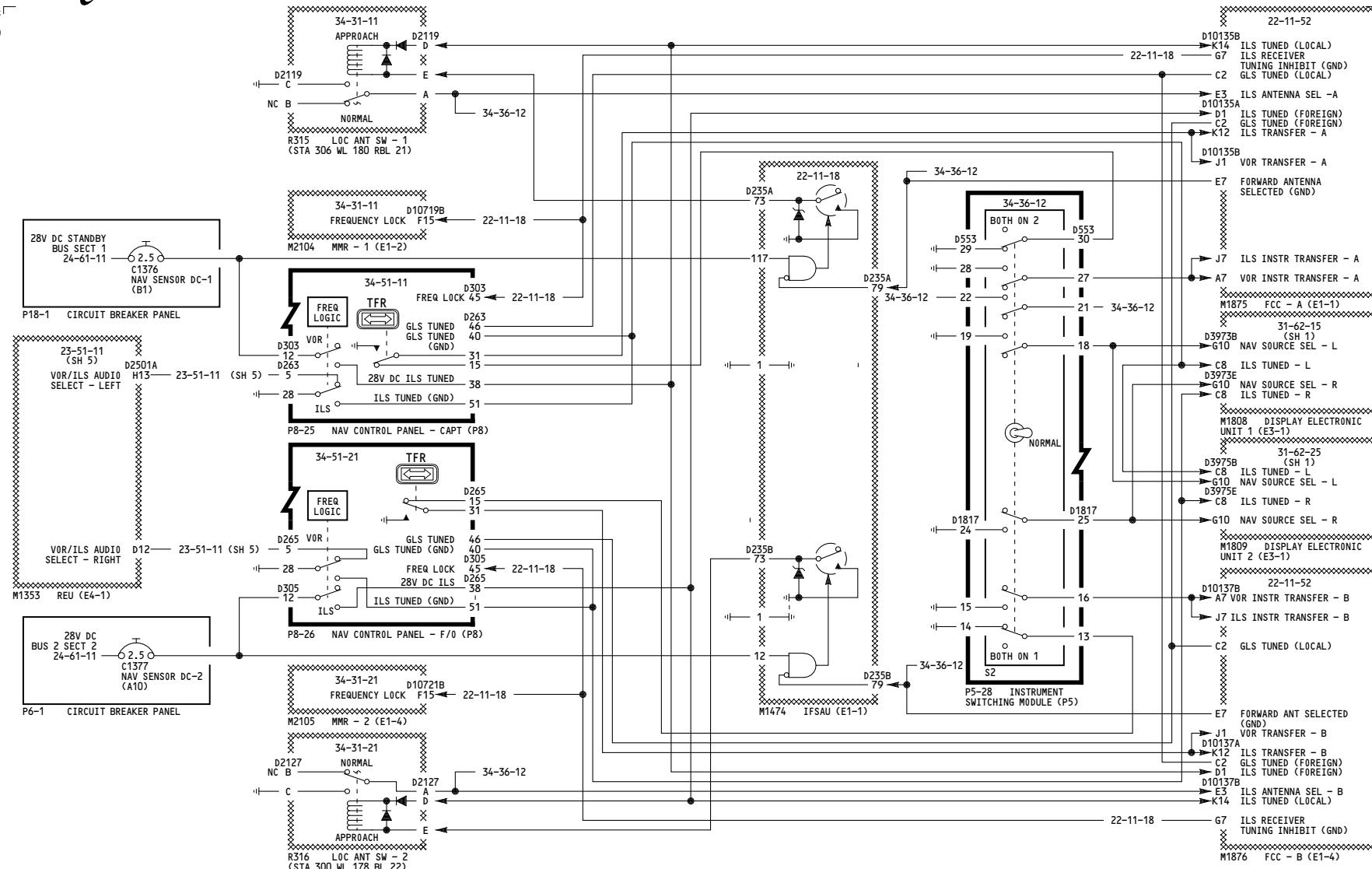

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ALL

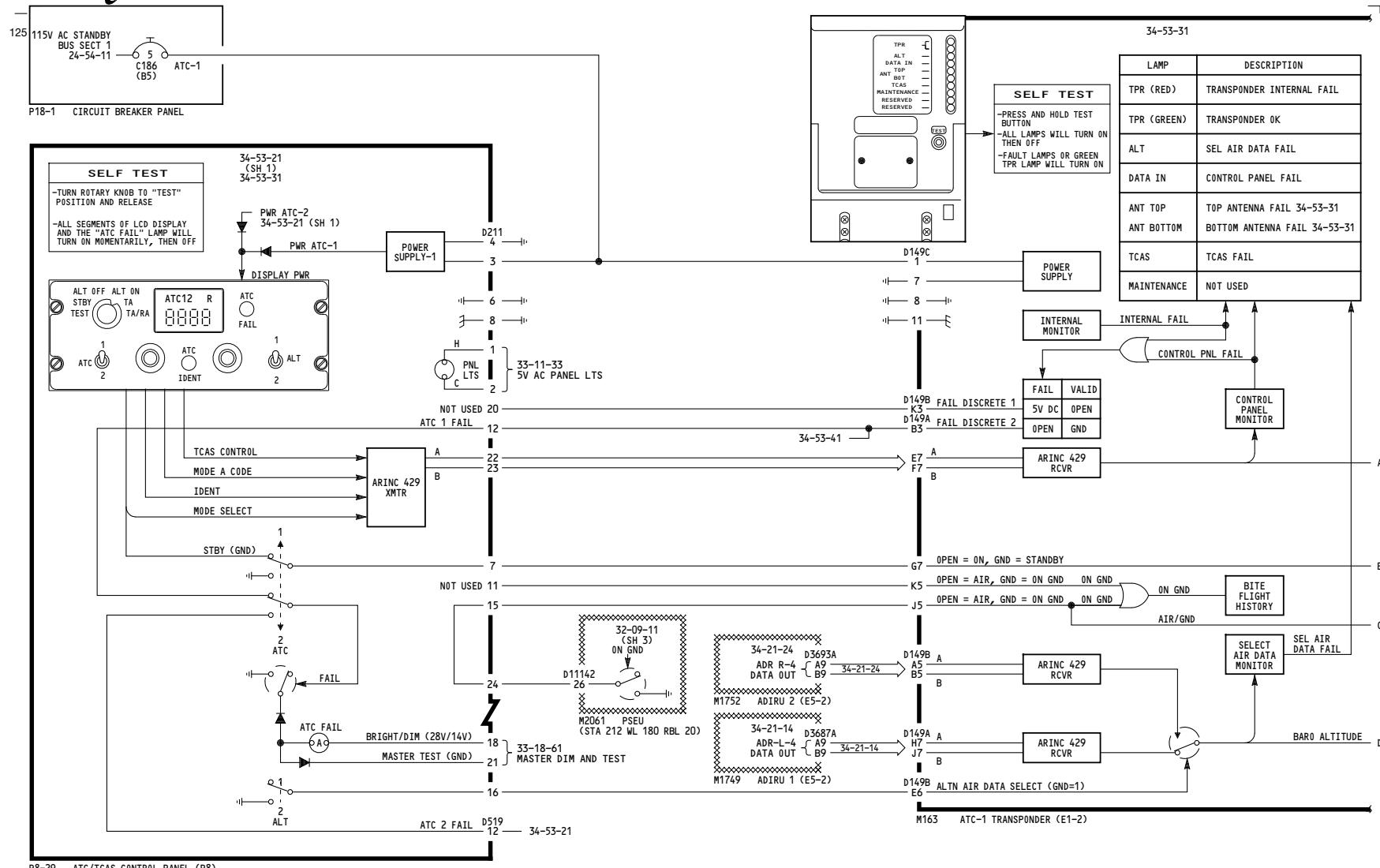
VOR/ILS INSTRUMENT TRANSFER SWITCHING

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P8-29 ATC/TCAS CONTROL PANEL (P8)

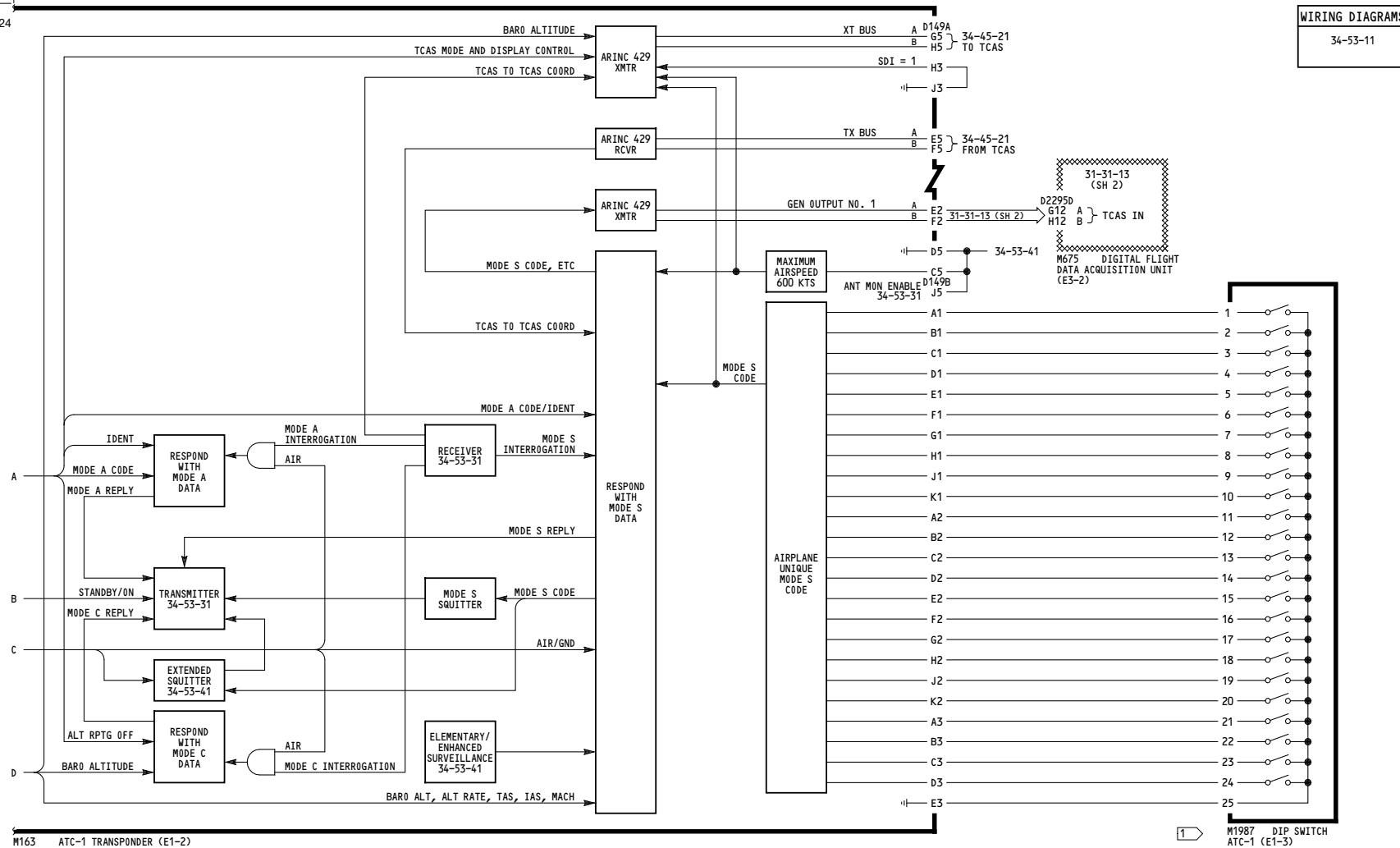
34-53-11

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YT101-YT103

ATC TRANSPONDER 1

D280A451



M163 ATC-1 TRANSPONDER (E1-2)

NOTES:

1 TABLE WITH MODE S CODES CAN BE FOUND
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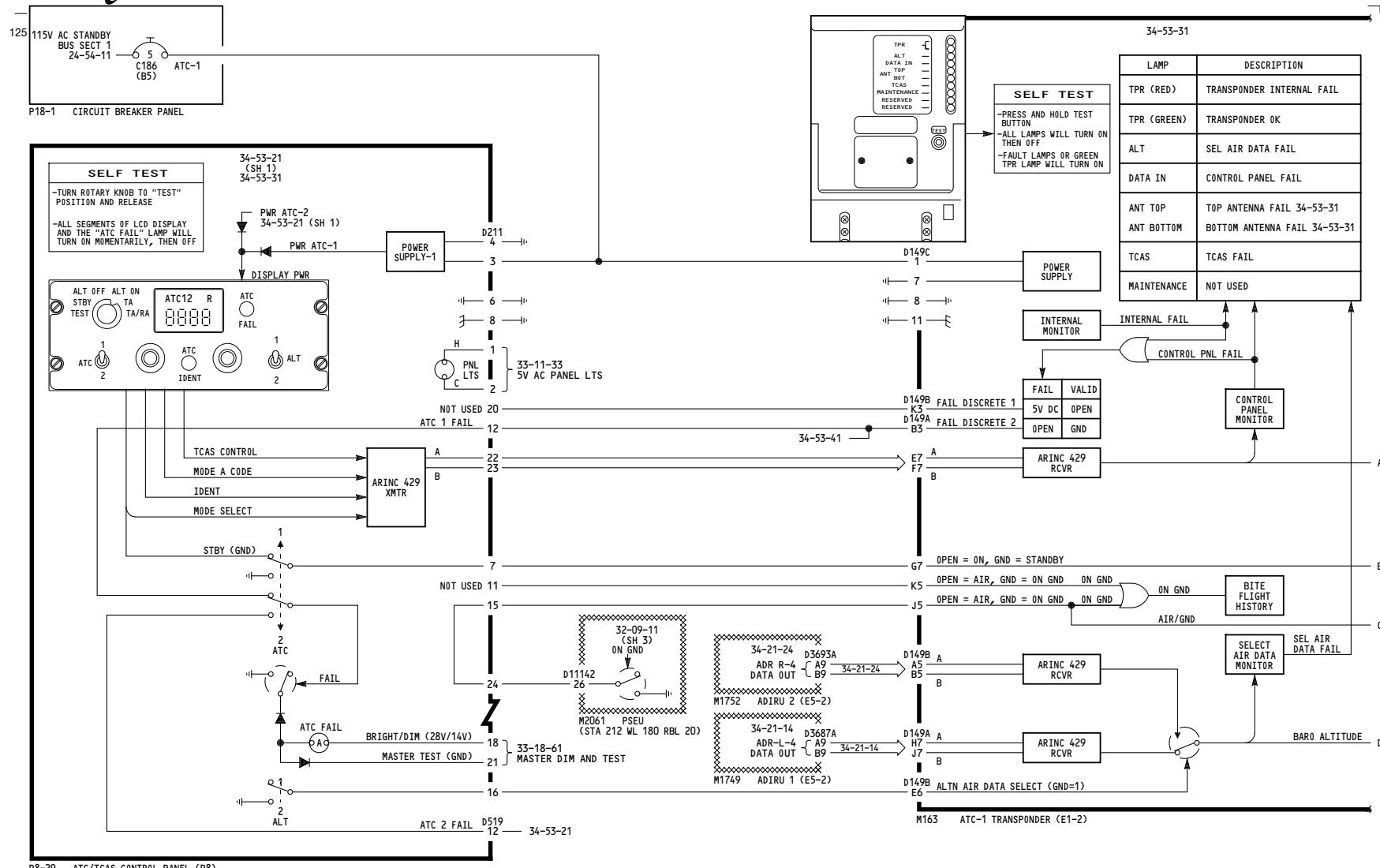
YT101-YT103

ATC TRANSPONDER 1

D280A451

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P8-29 ATC/TCAS CONTROL PANEL (P8)

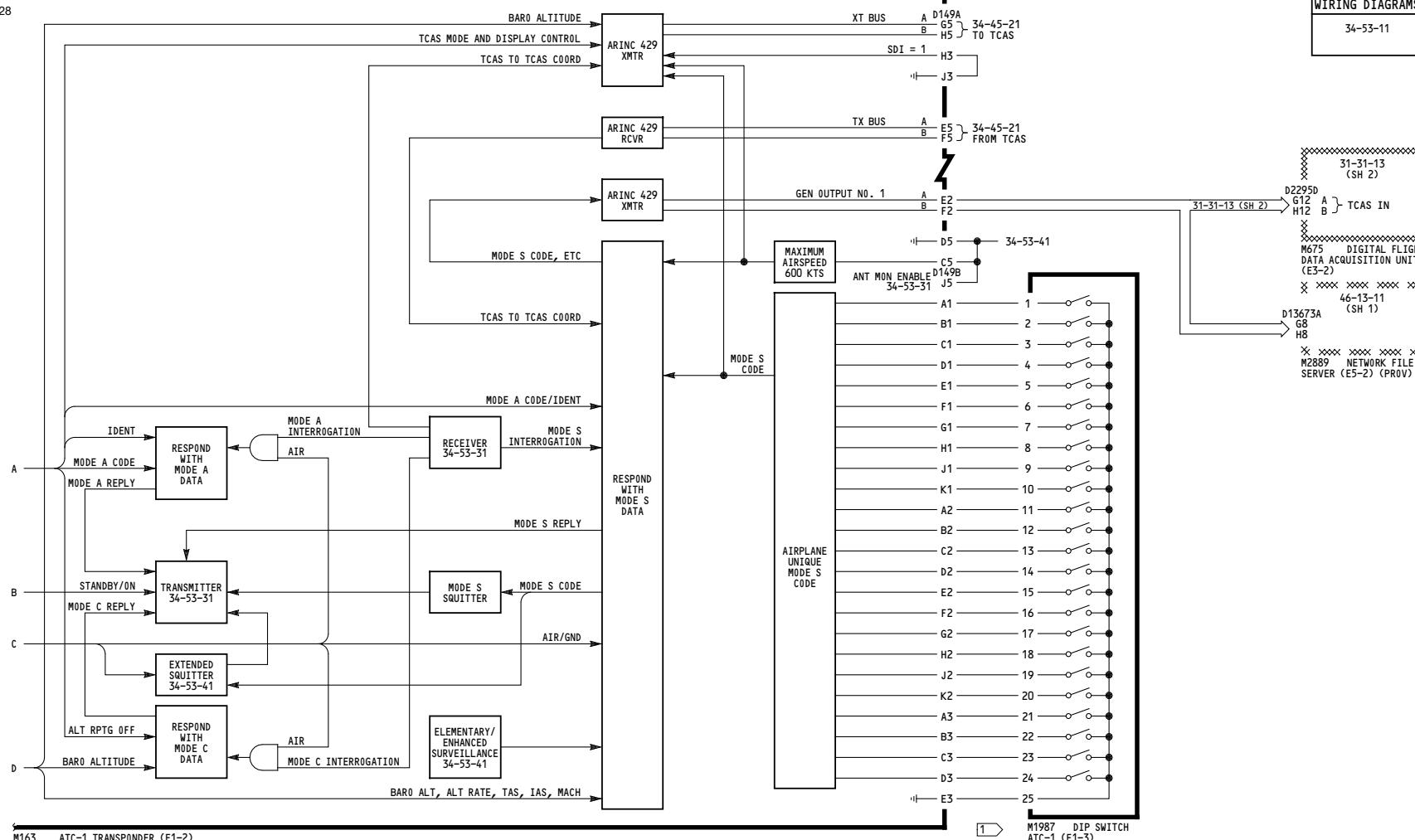
34-53-11

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YT104-YT105

ATC TRANSPONDER 1

D280A451



M163 ATC-1 TRANSPONDER (E1-2)

NOTES:

1 TABLE WITH MODE S CODES CAN BE FOUND
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YT104-YT105

ATC TRANSPONDER 1

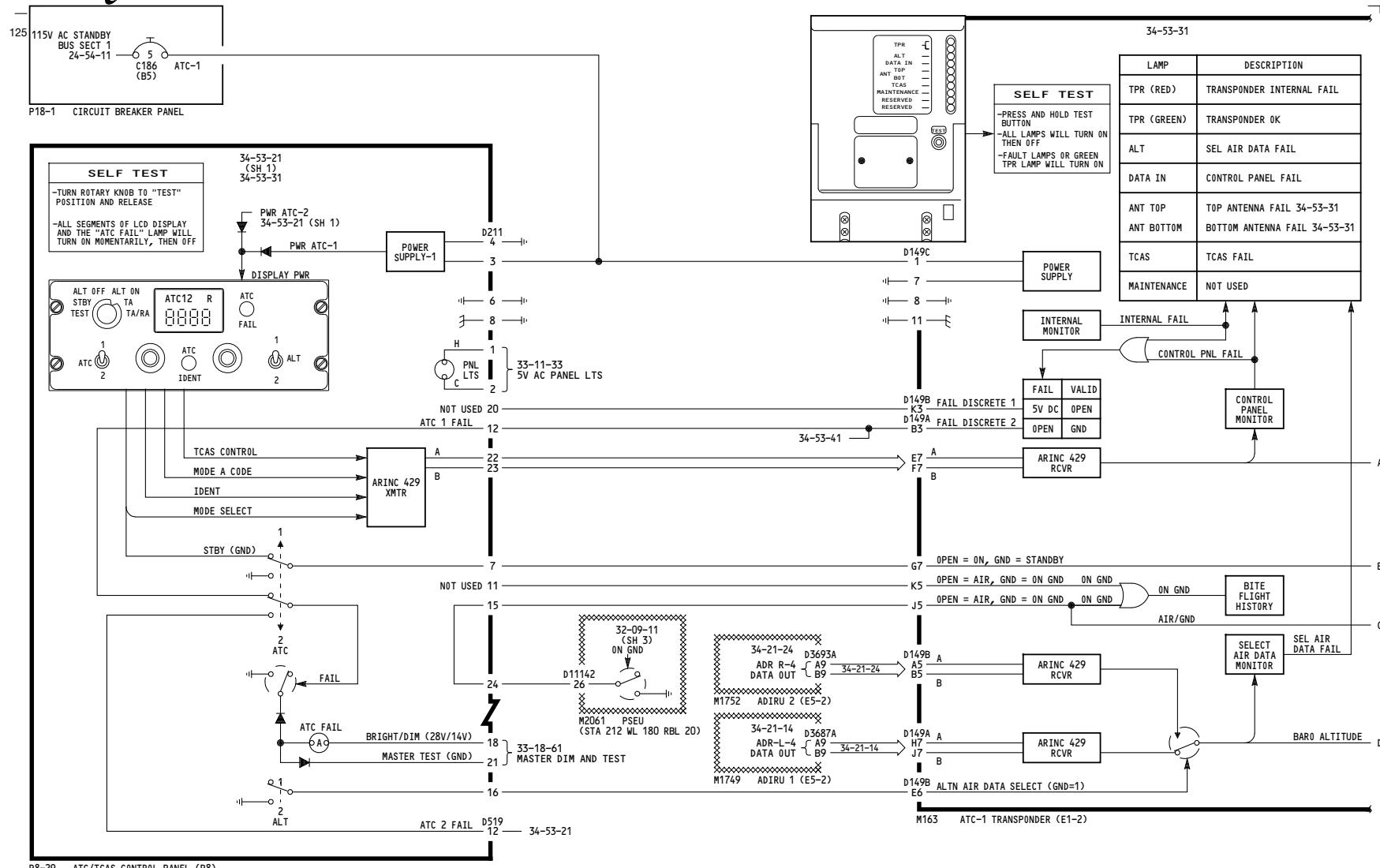
D280A451

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P8-29 ATC/TCAS CONTROL PANEL (P8)

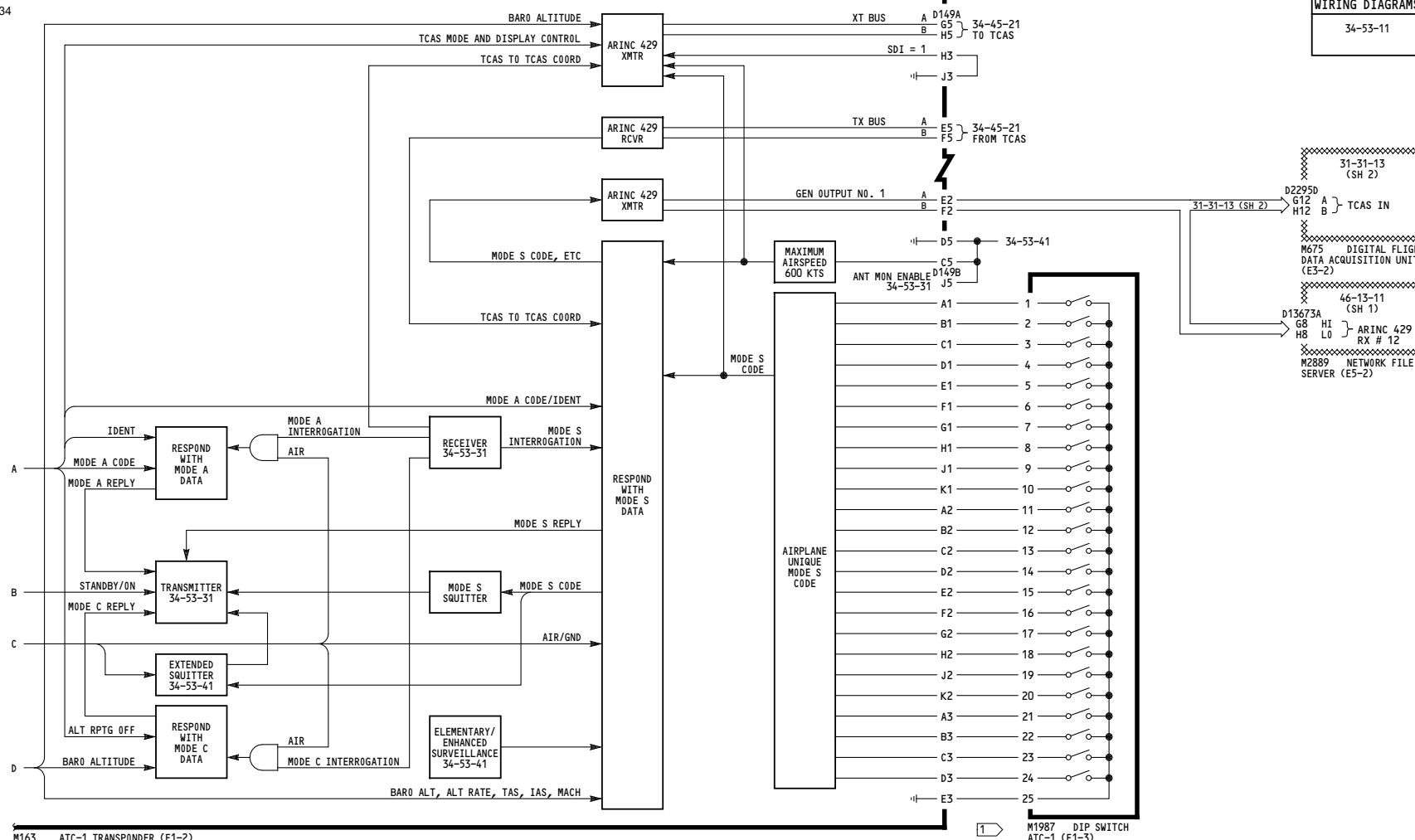
YT106-YT117

ATC TRANSPONDER 1

D280A451

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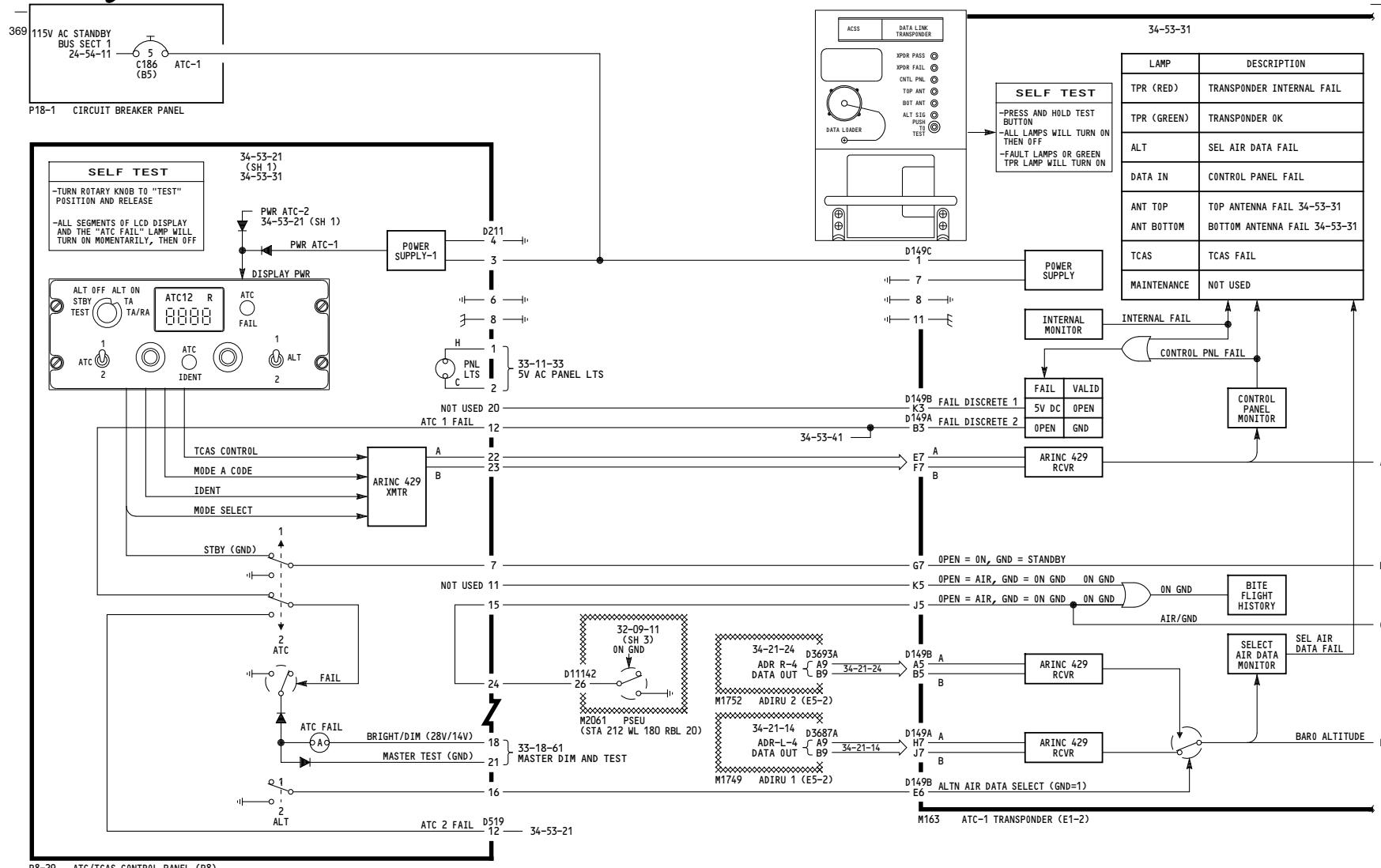


YT106-YT117

ATC TRANSPONDER 1

D280A451

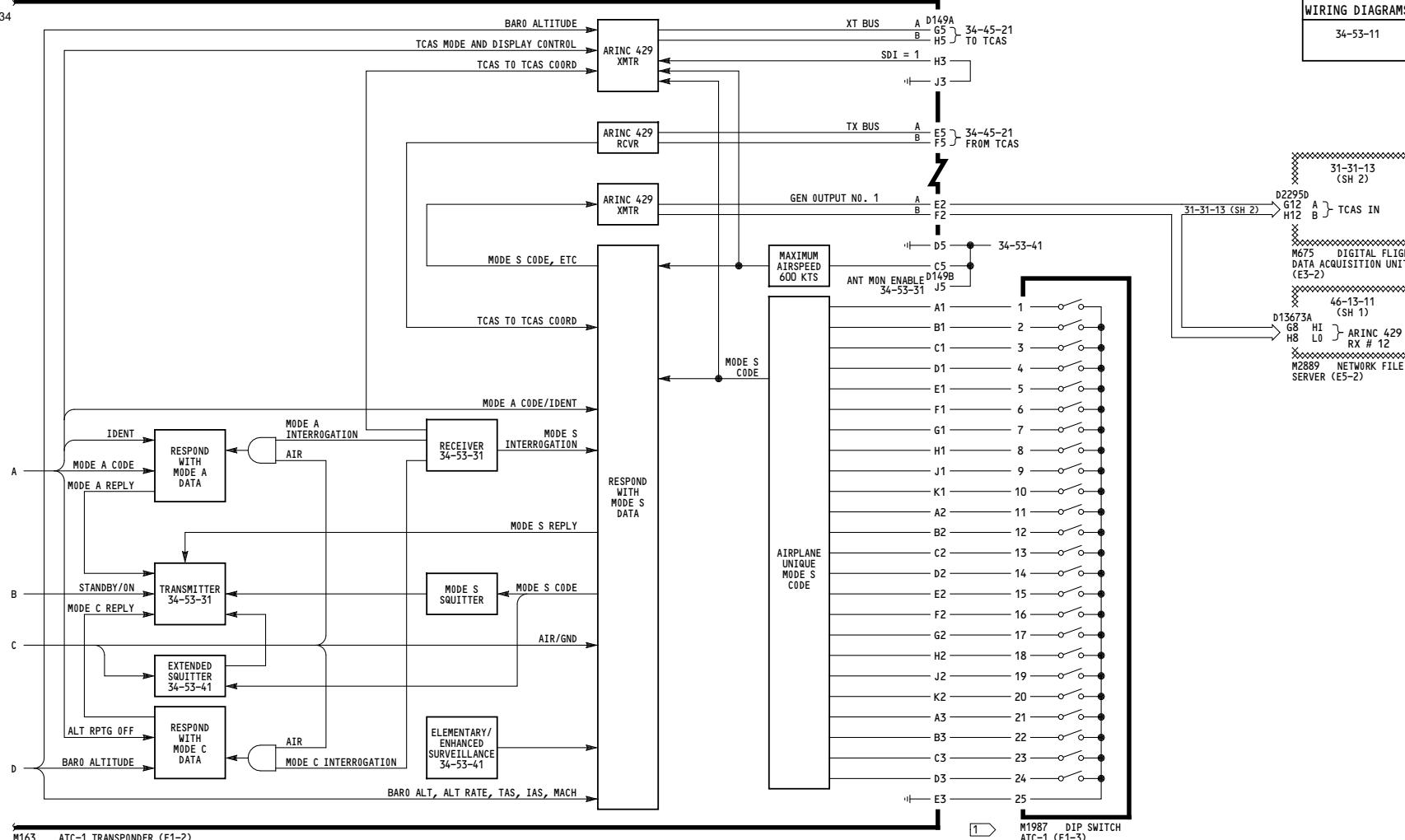
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P8-29 ATC/TCAS CONTROL PANEL (P8)

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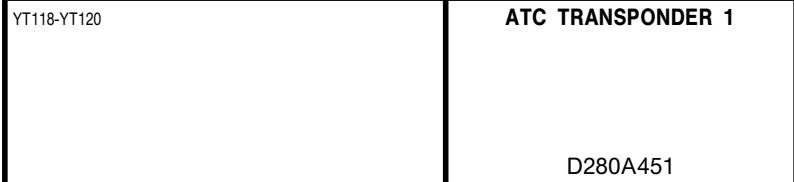


M163 ATC-1 TRANSPONDER (E1-2)

NOTES:

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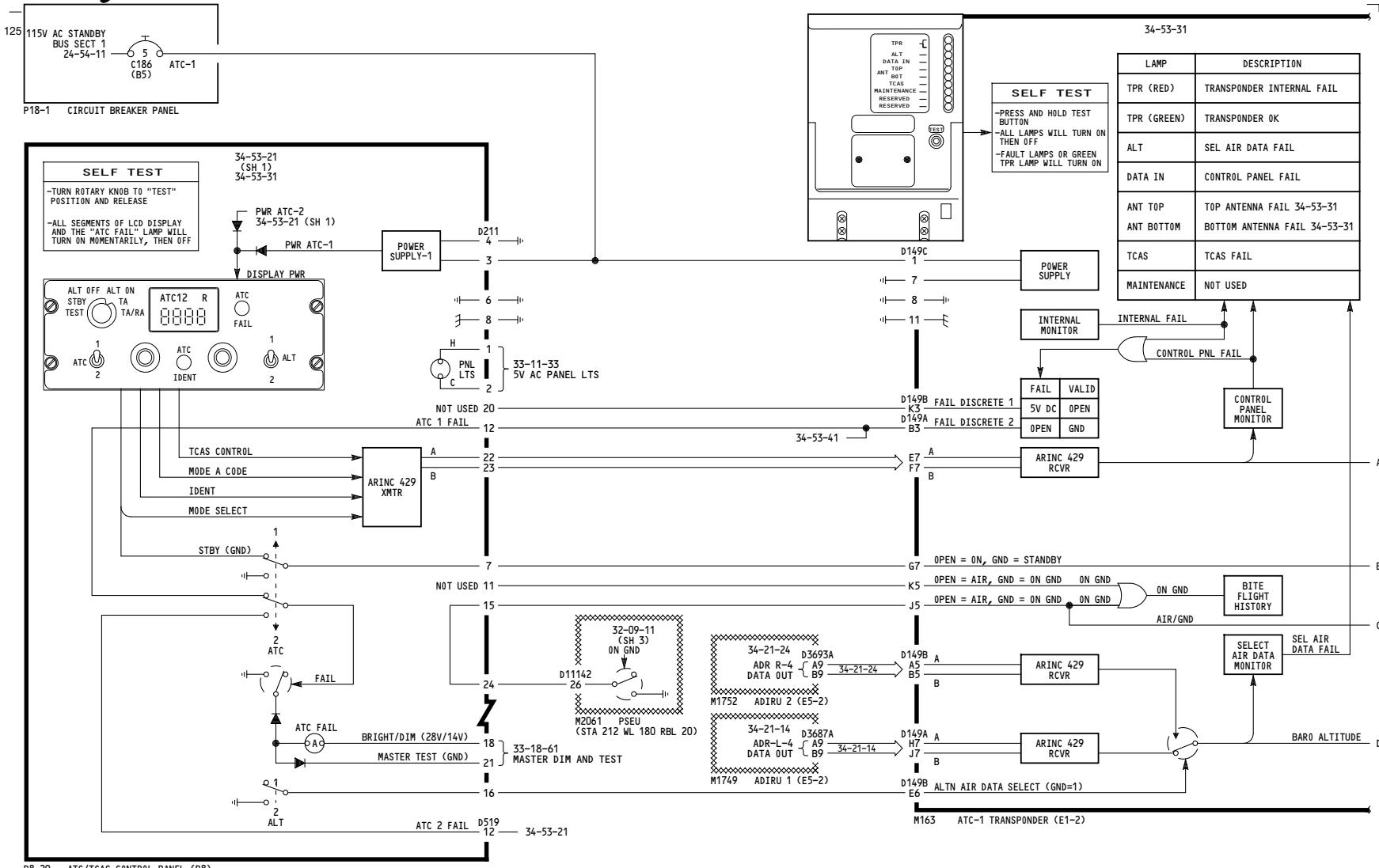
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P8-29 ATC/TCAS CONTROL PANEL (P8)

YT126-YT131

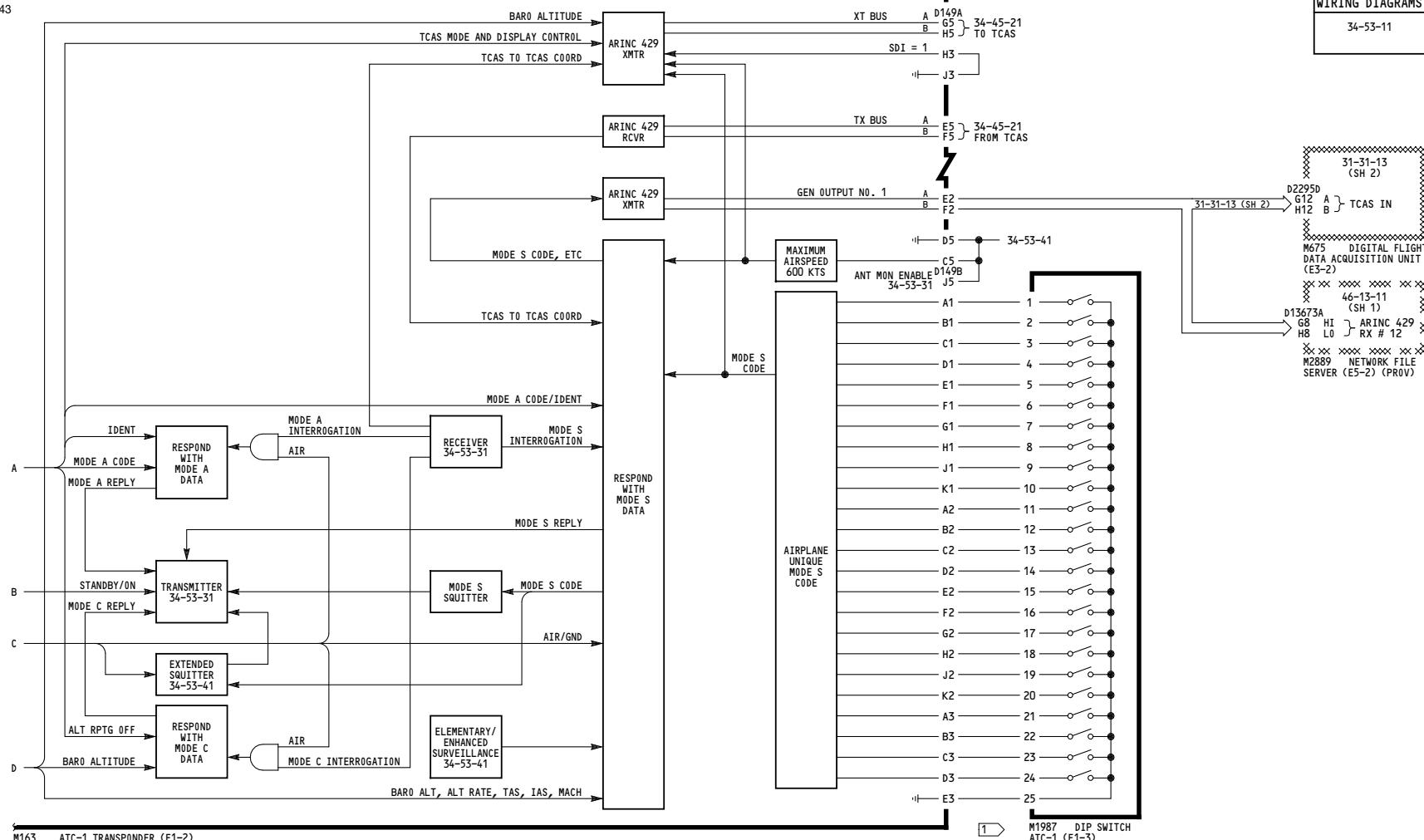
ATC TRANSPONDER 1

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M163 ATC-1 TRANSPONDER (E1-2)

NOTES:

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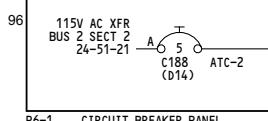
YT126-YT131

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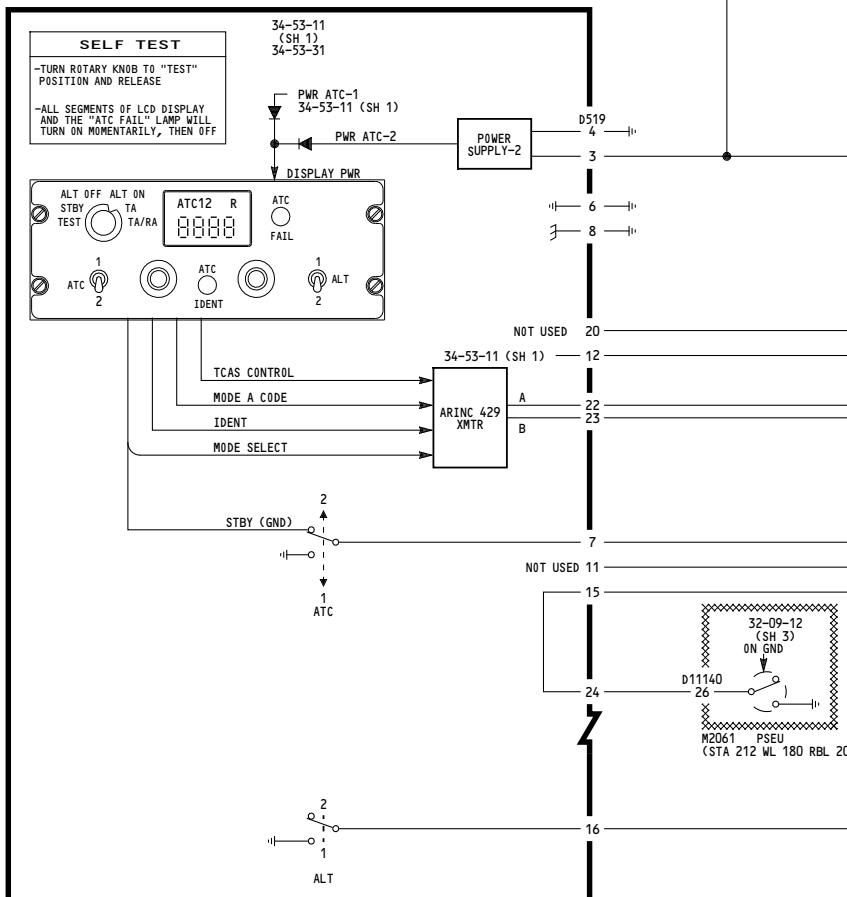
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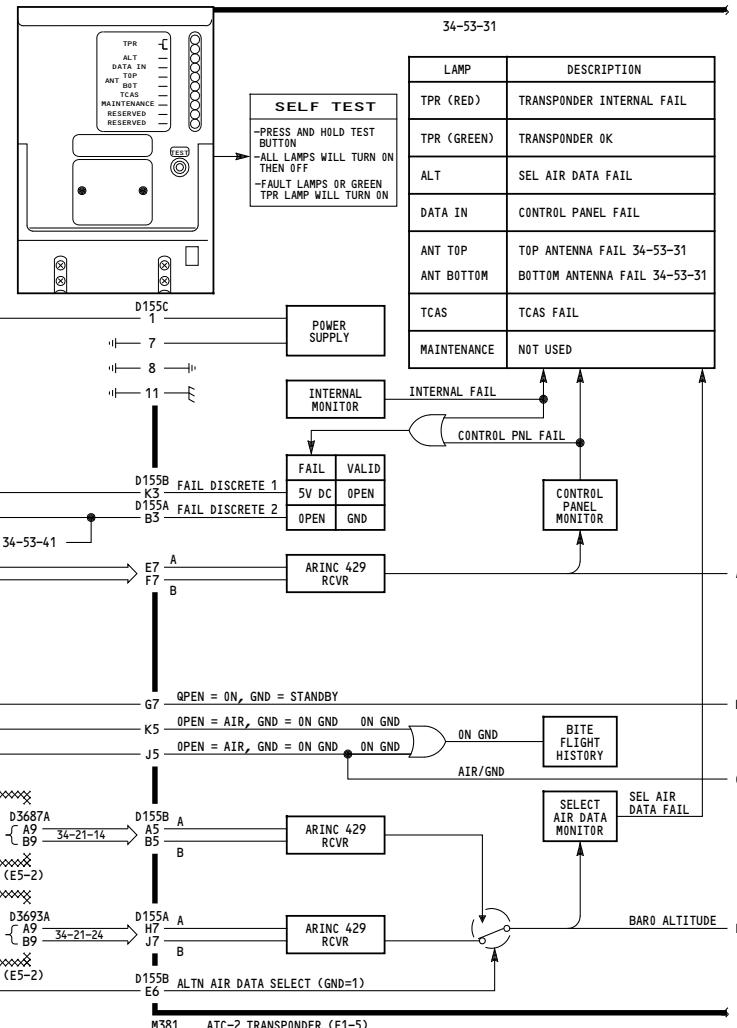
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P6-1 CIRCUIT BREAKER PANEL



P8-29 ATC/TCAS CONTROL PANEL (P8)



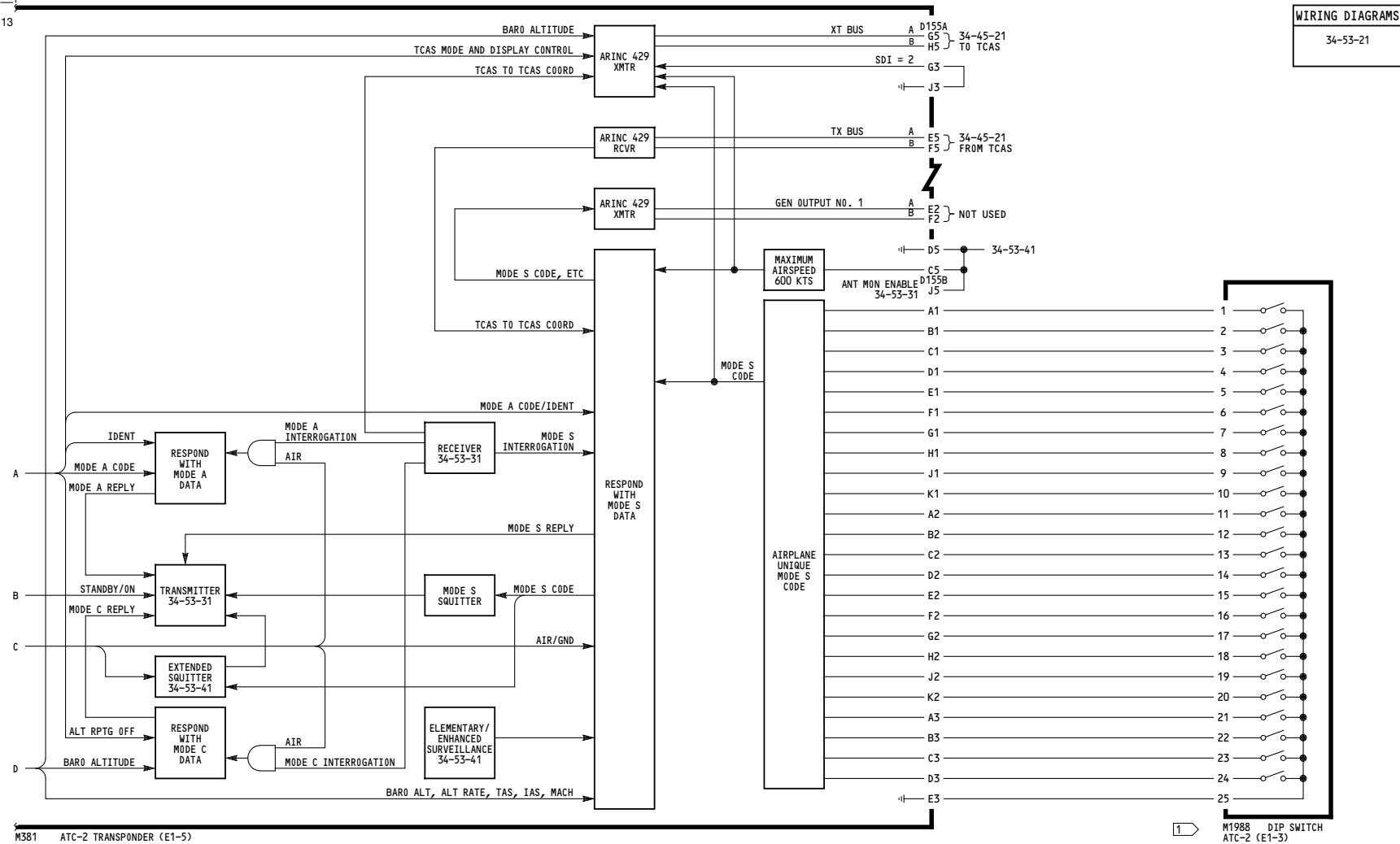
YT101-YT105

ATC TRANSPONDER 2

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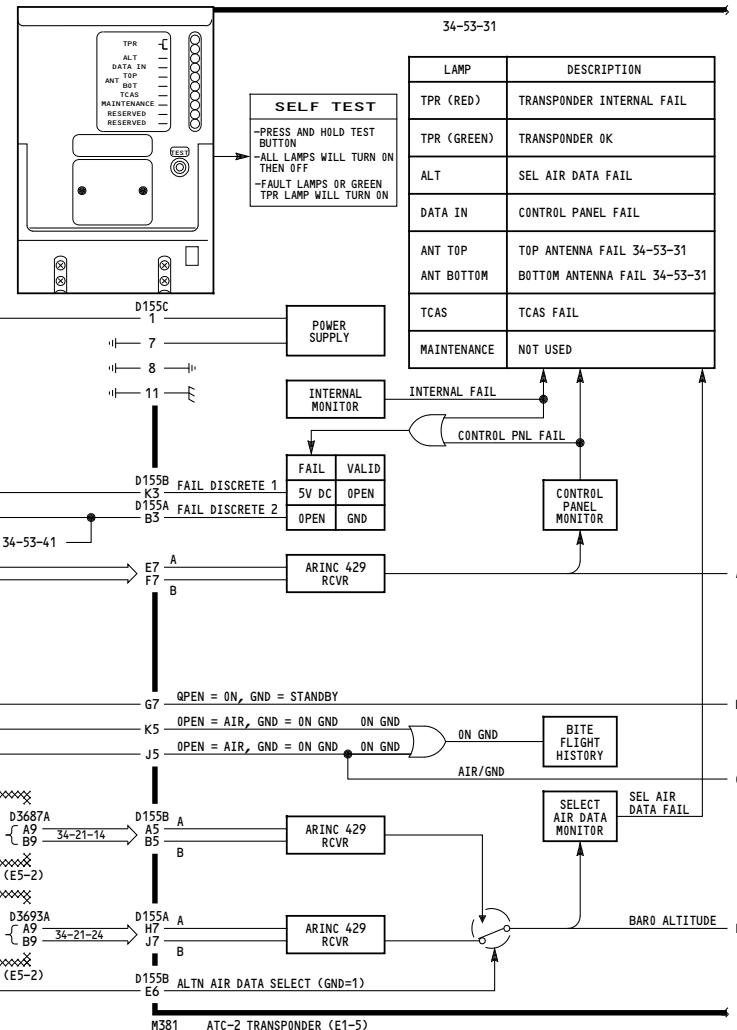
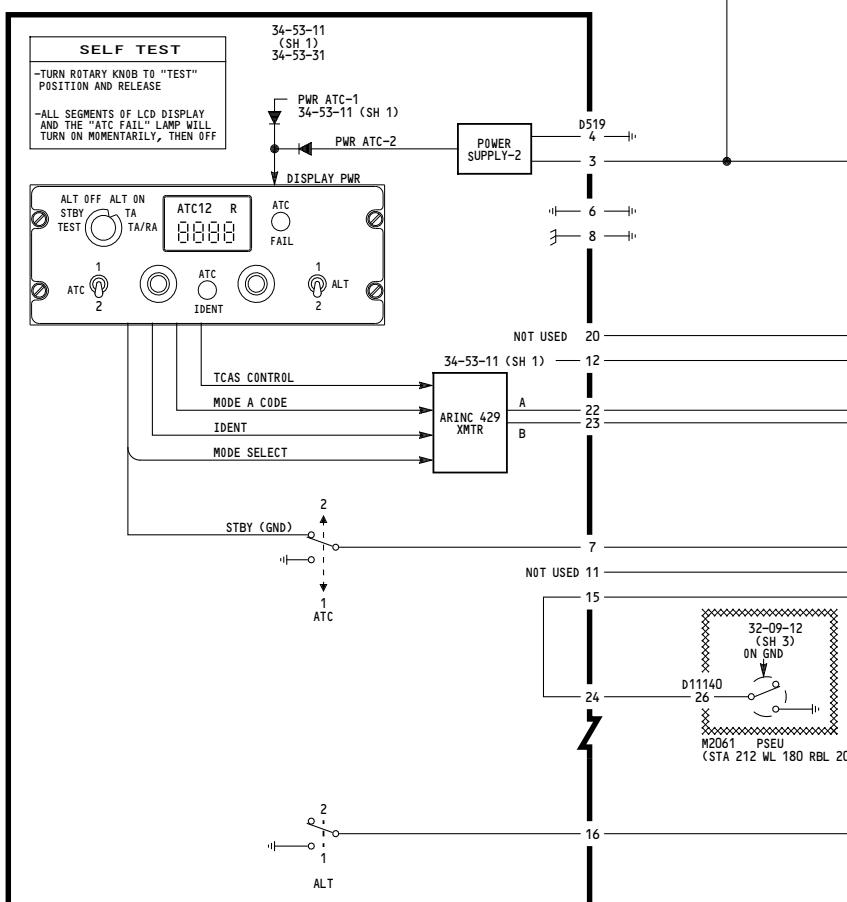
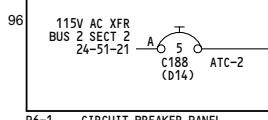


YT101-YT105

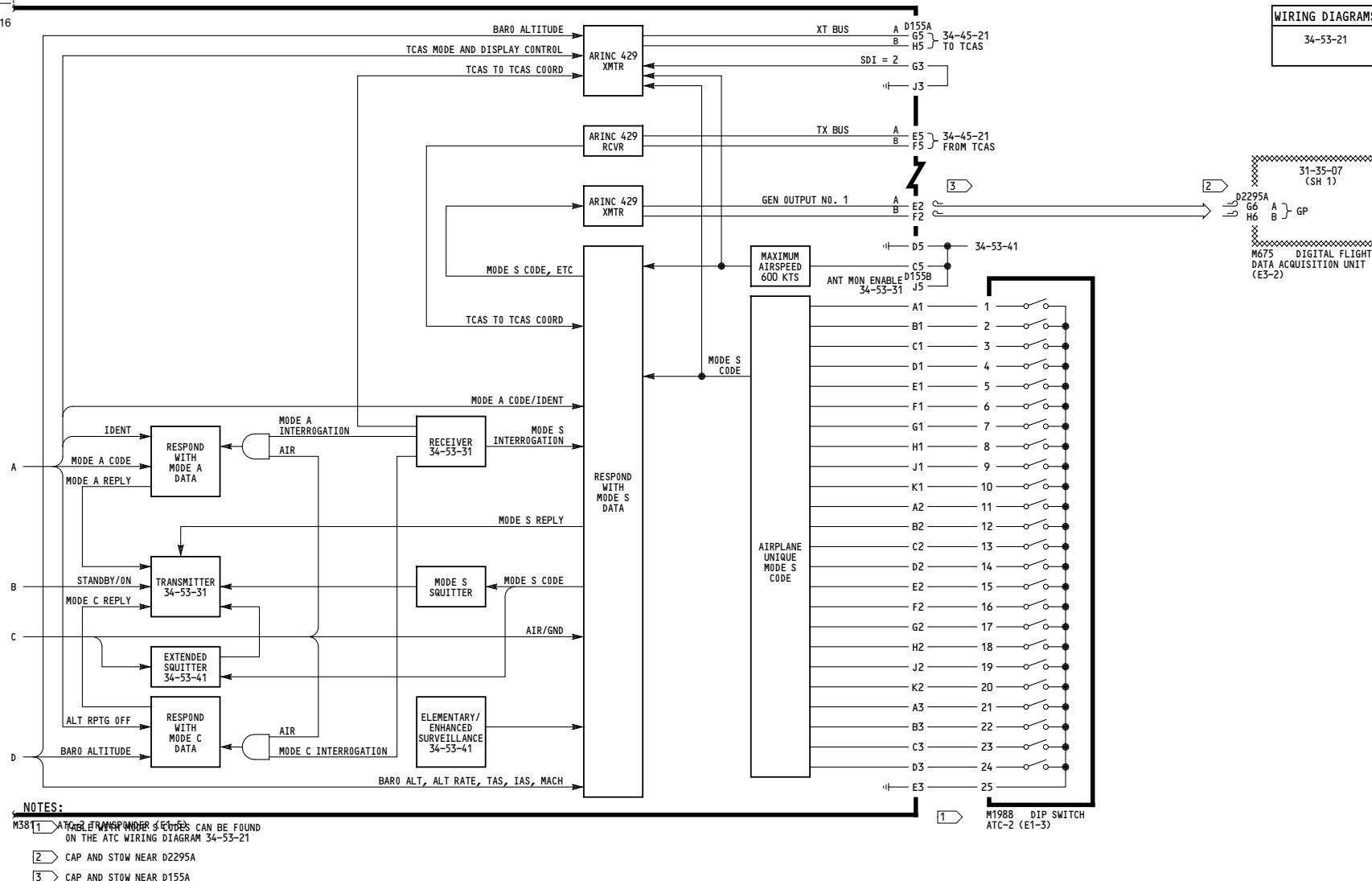
ATC TRANSPONDER 2

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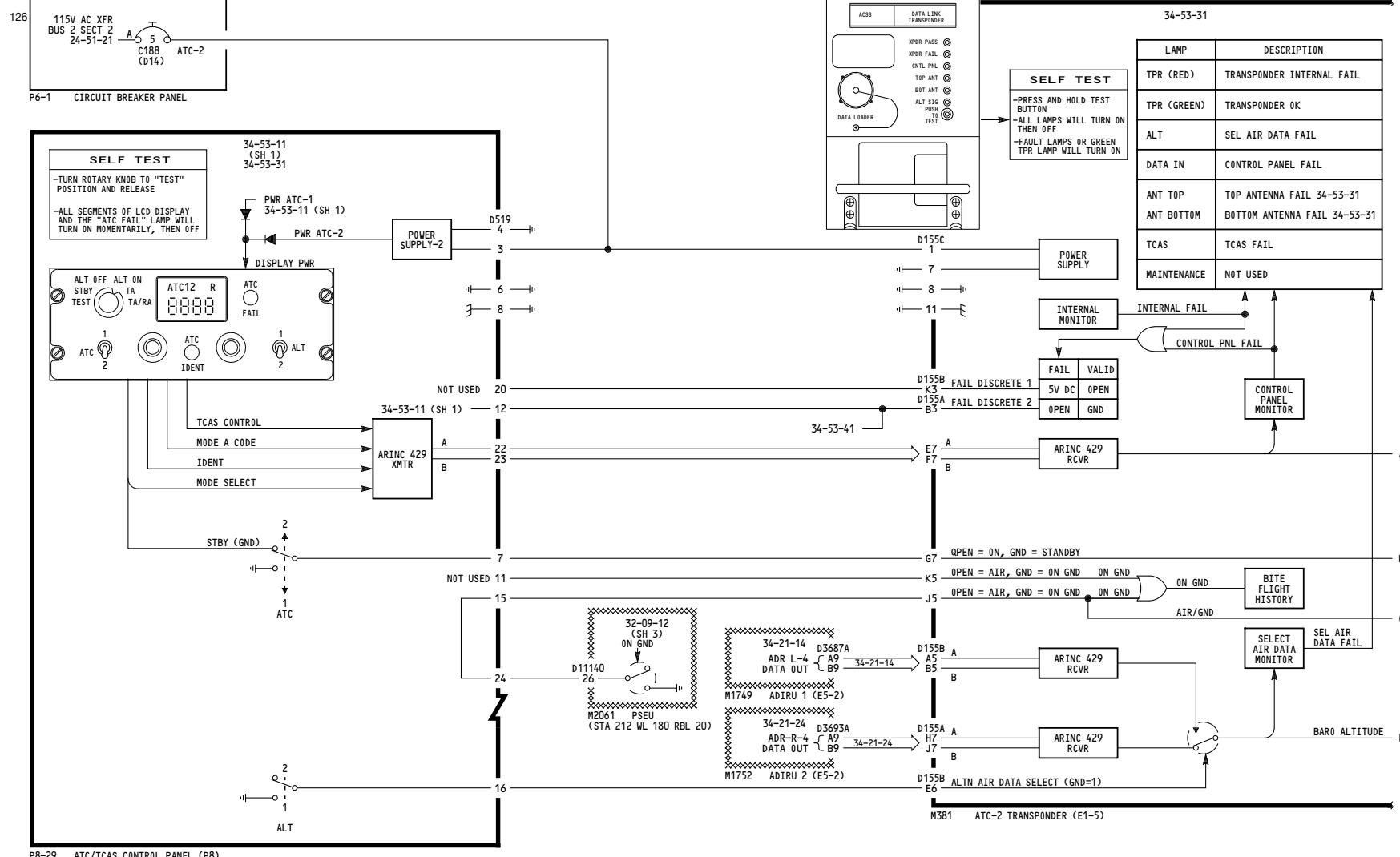


YT106-YT117, YT126-YT131

ATC TRANSPONDER 2

D280A451

34-53-21



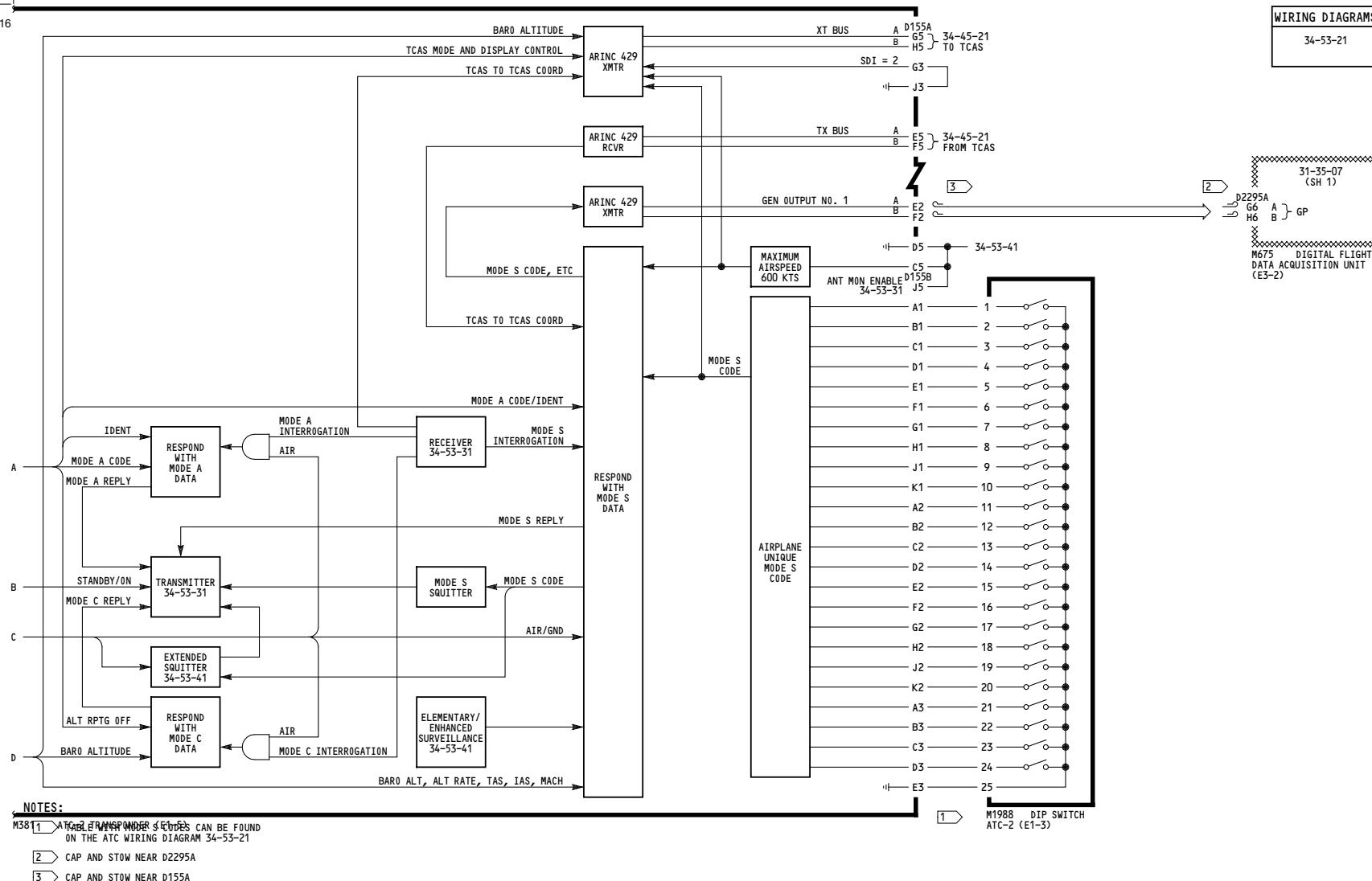
YT118-YT120, YT132-YT133

ATC TRANSPONDER 2

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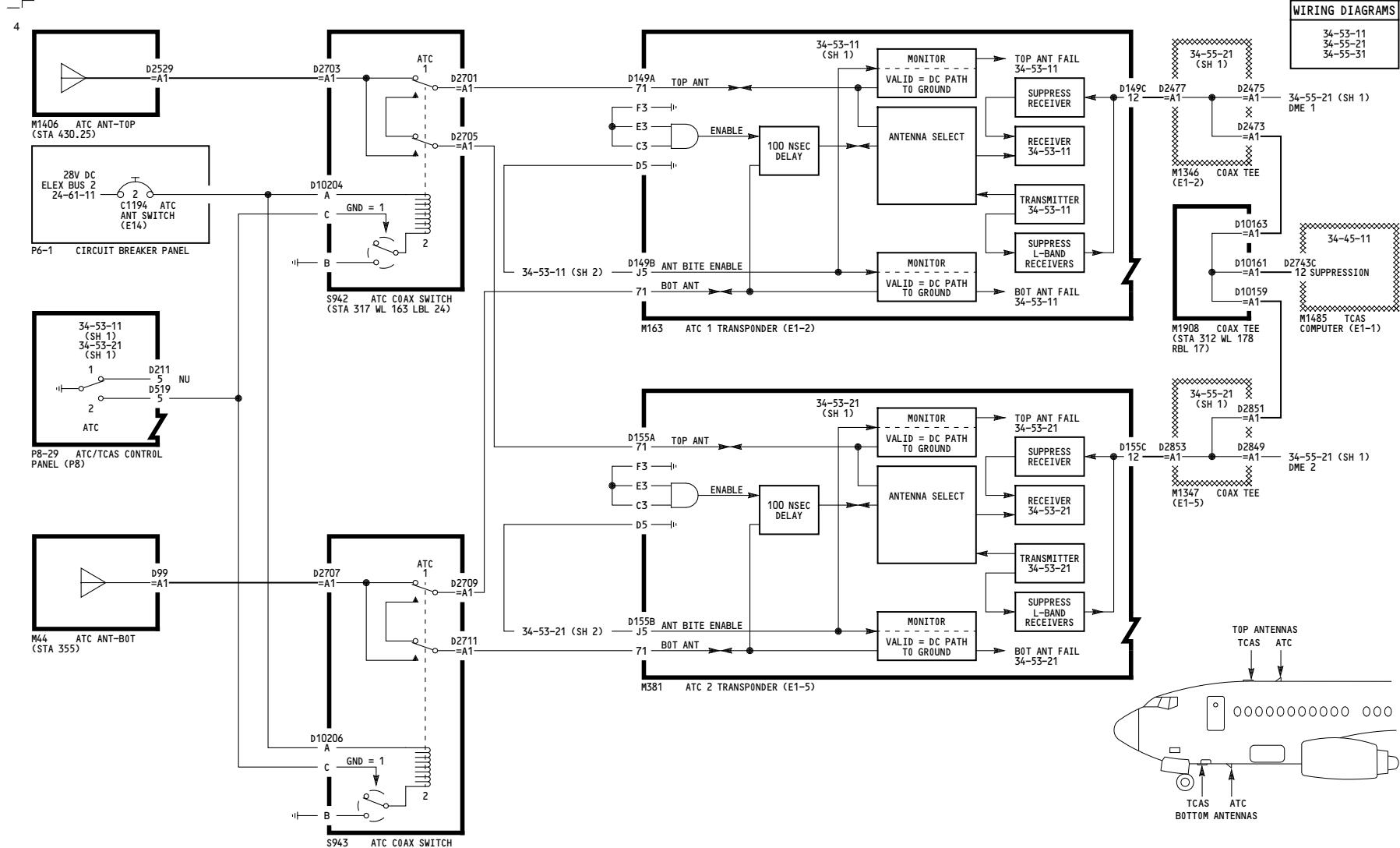
YT118-YT120, YT132-YT133

ATC TRANSPONDER 2

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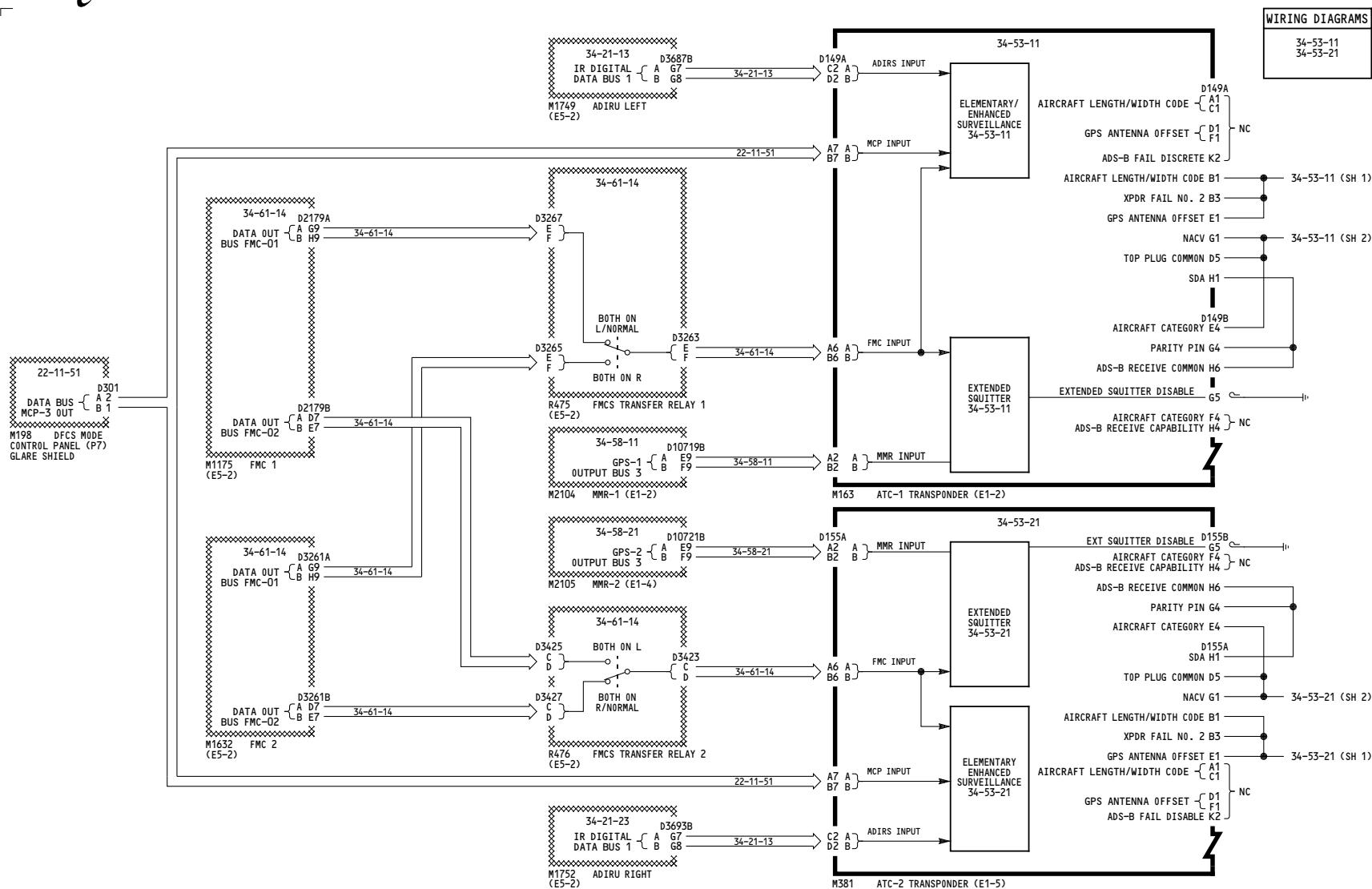

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ALL

D280A451



ALL

ATC ENHANCED SURVEILLANCE

D280A451

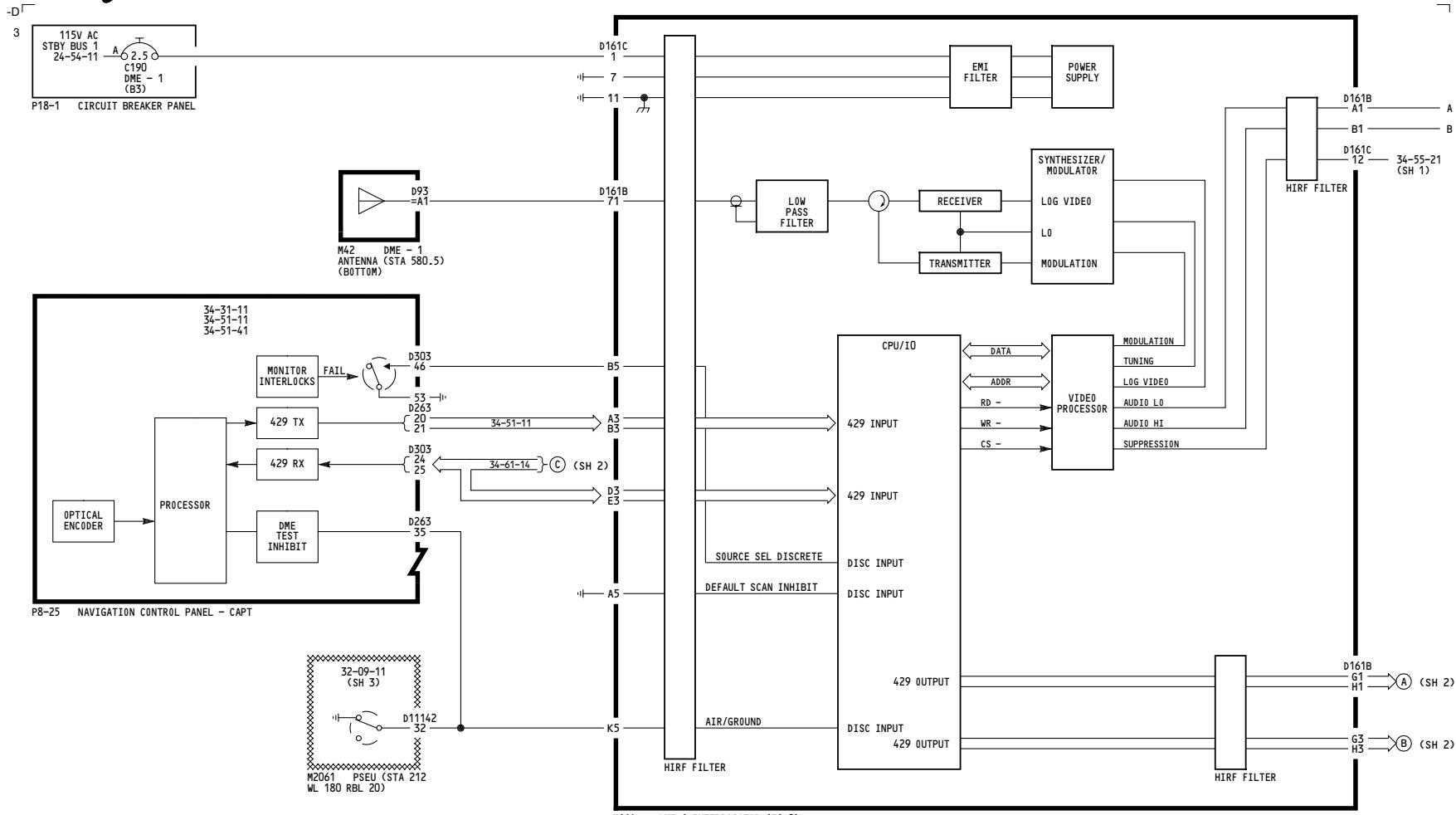
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WIRING DIAGRAMS

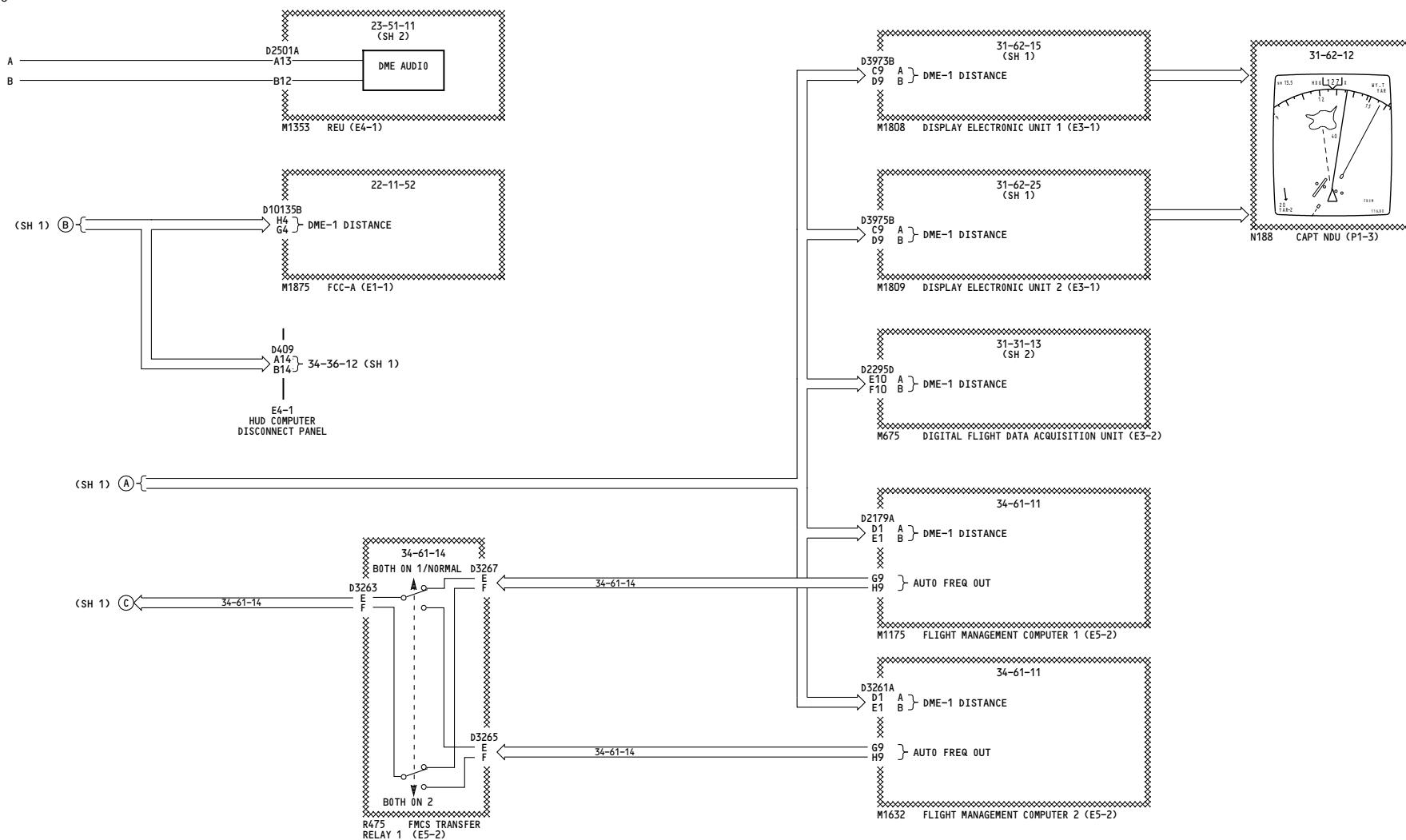
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DME NO. 1

D280A451

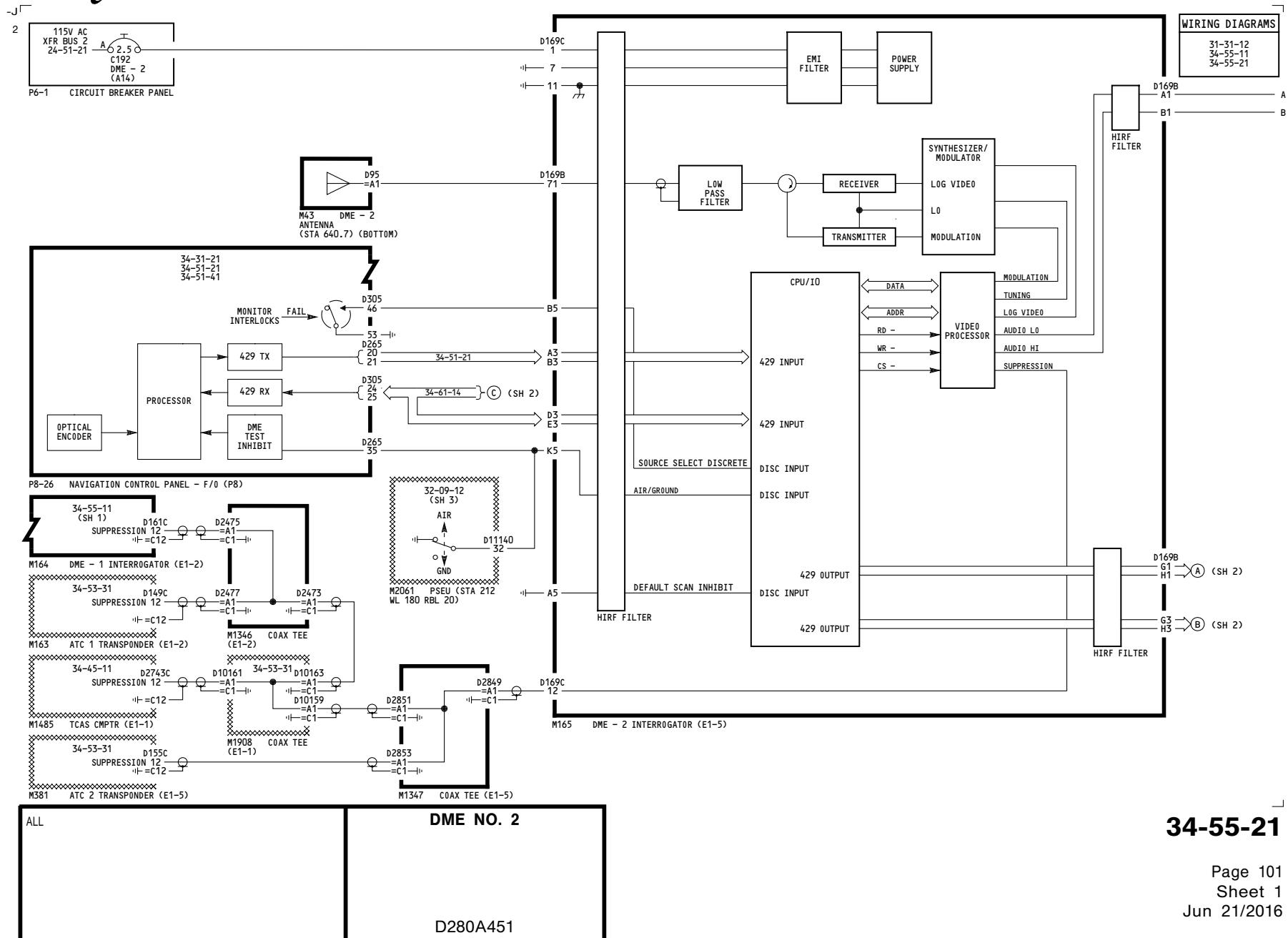


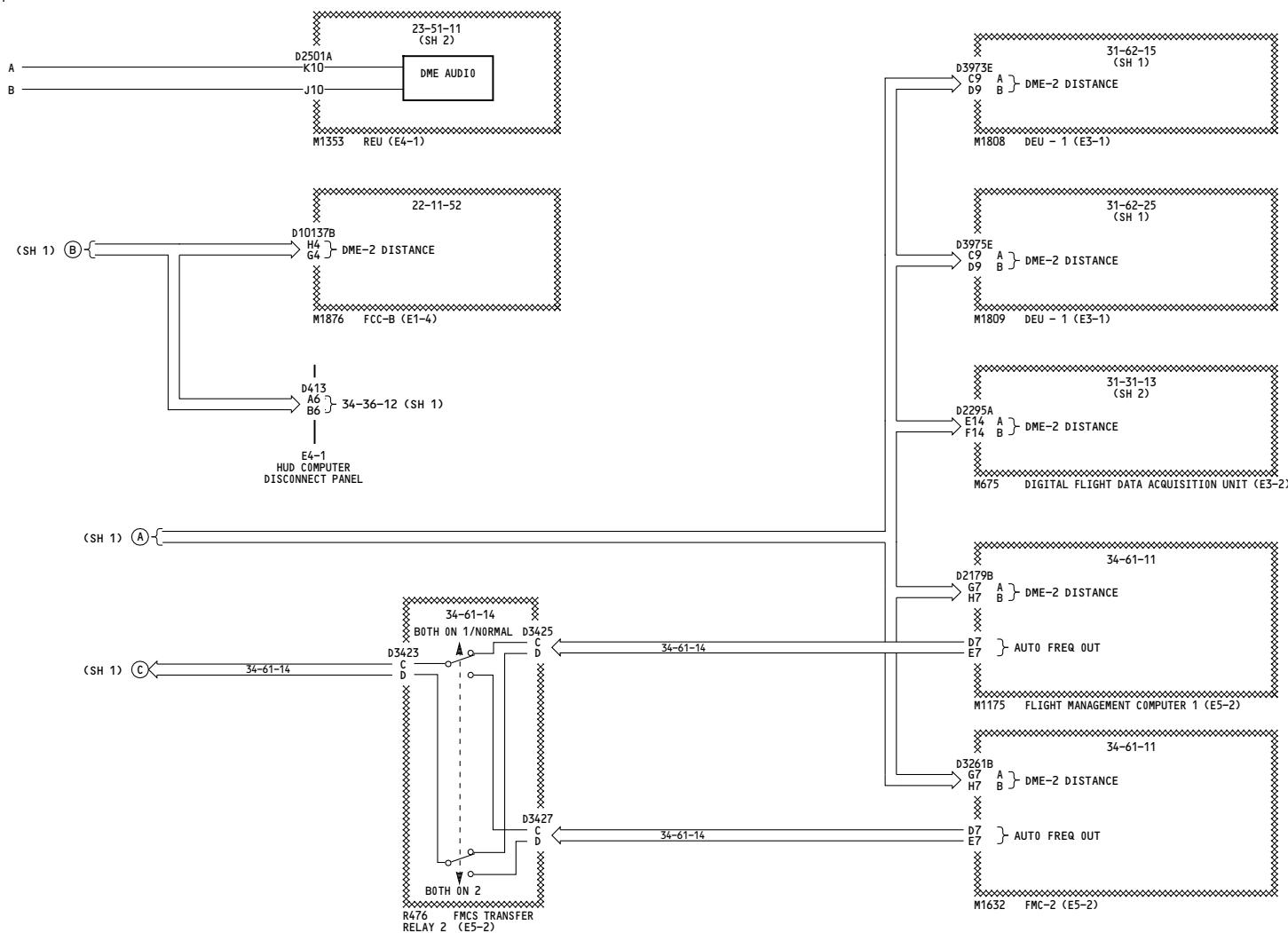
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DME NO. 1

D280A451

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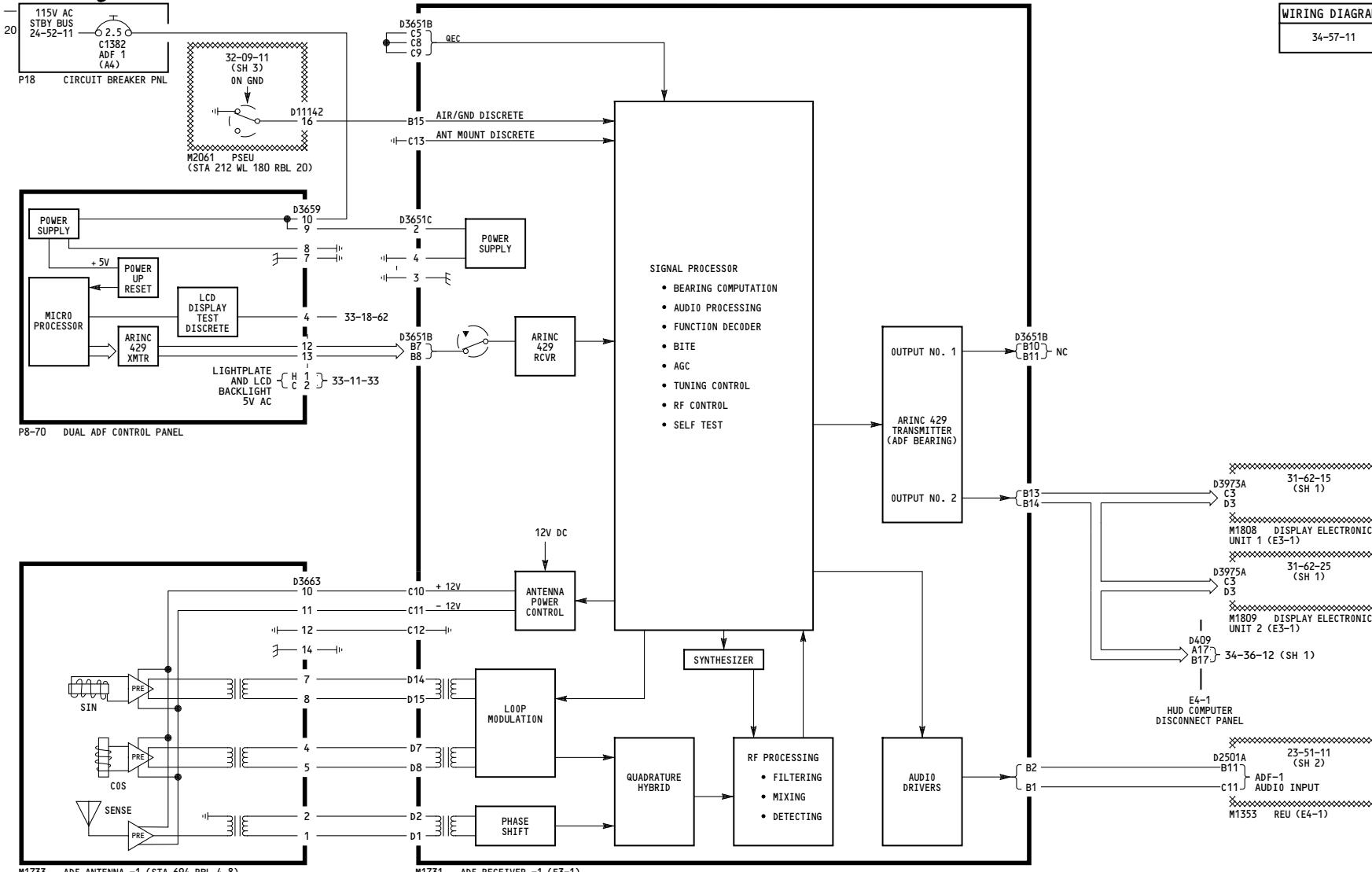


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YT101-YT103

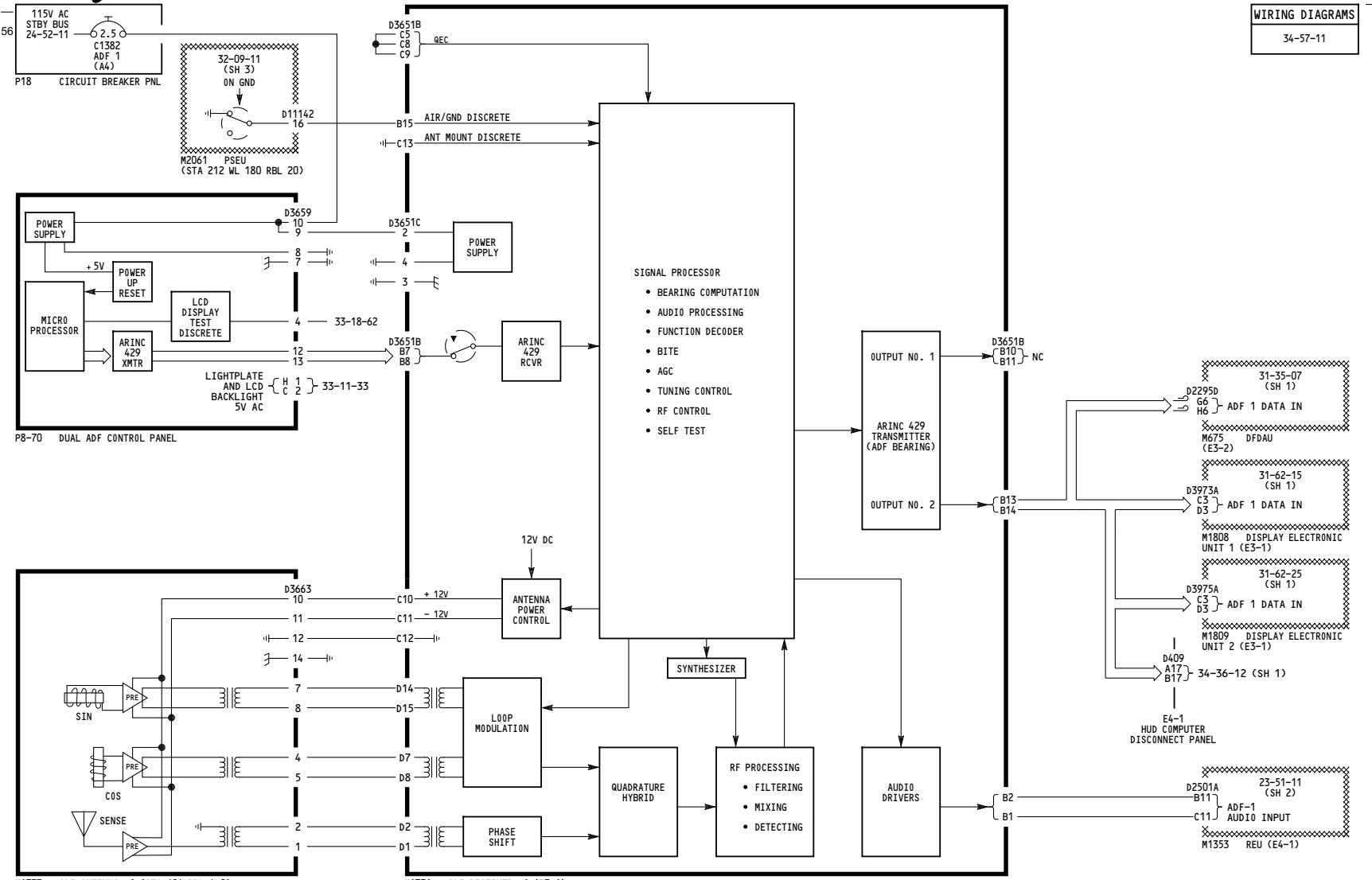
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FINDER NO. 1**

D280A451



737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS
34-57-11



M1733 ADF ANTENNA -1 (STA 694 RBL 4.8)

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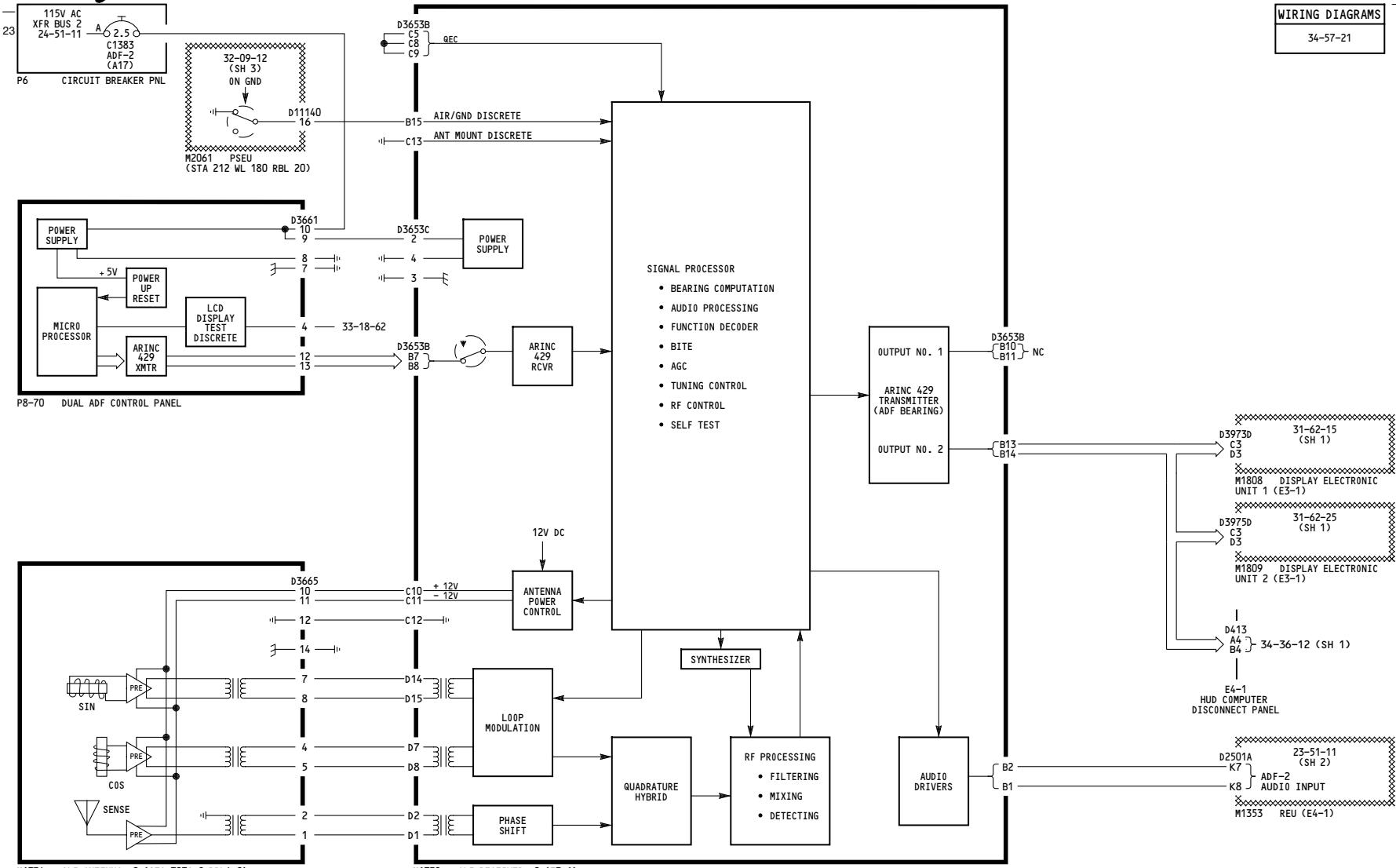
YT104-YT133

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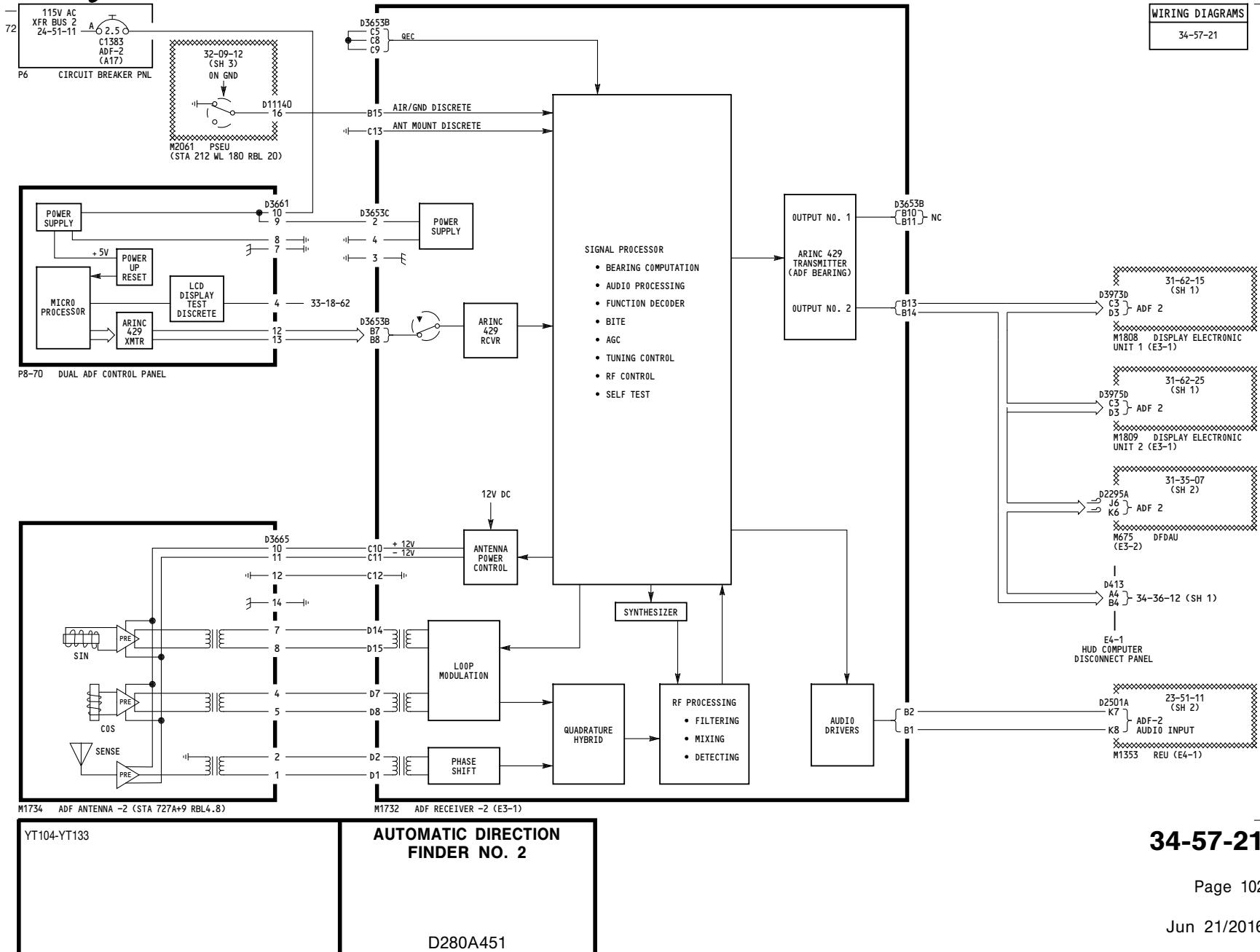
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D280A451



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34-57-21

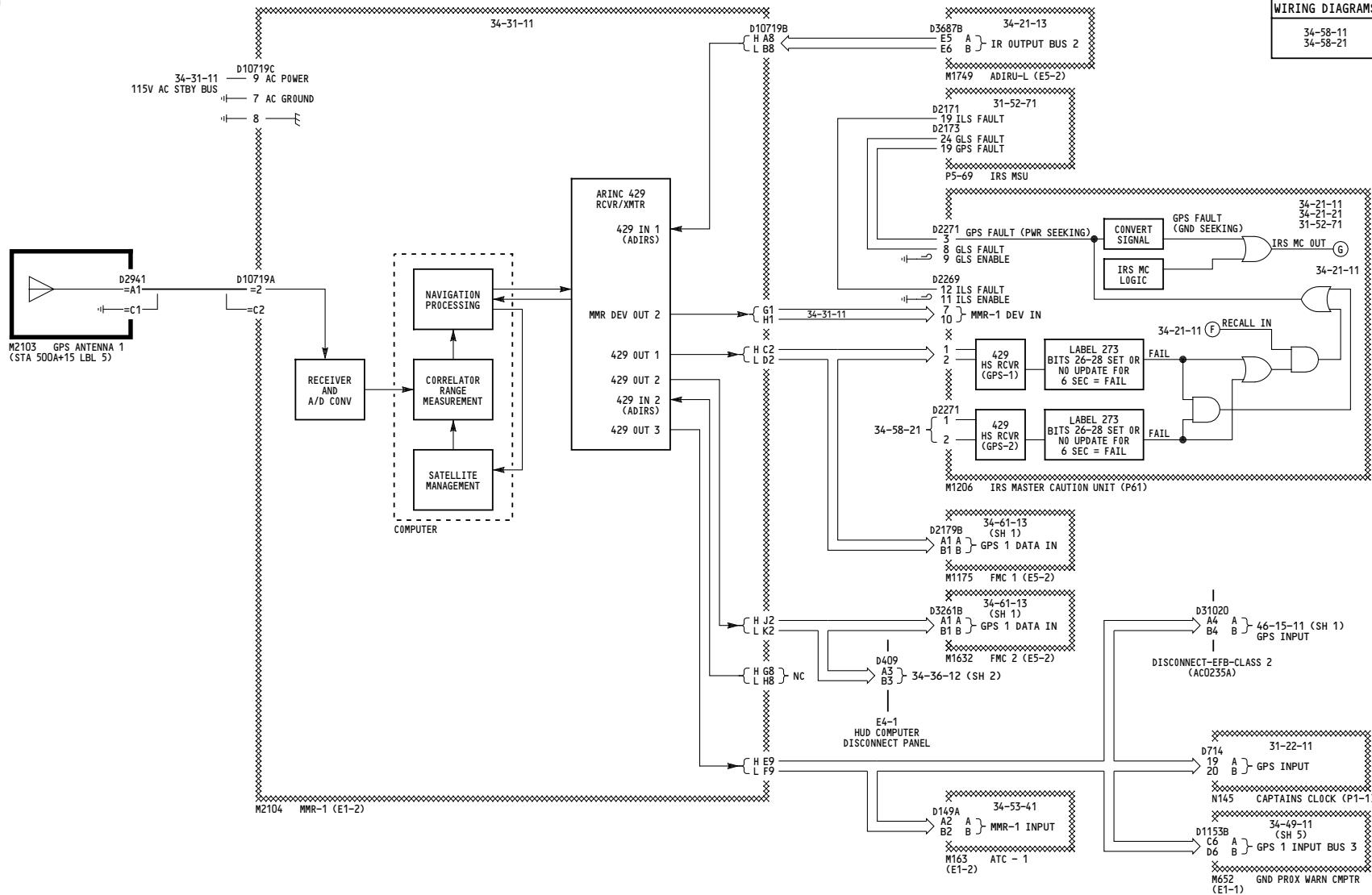
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YT101-YT103

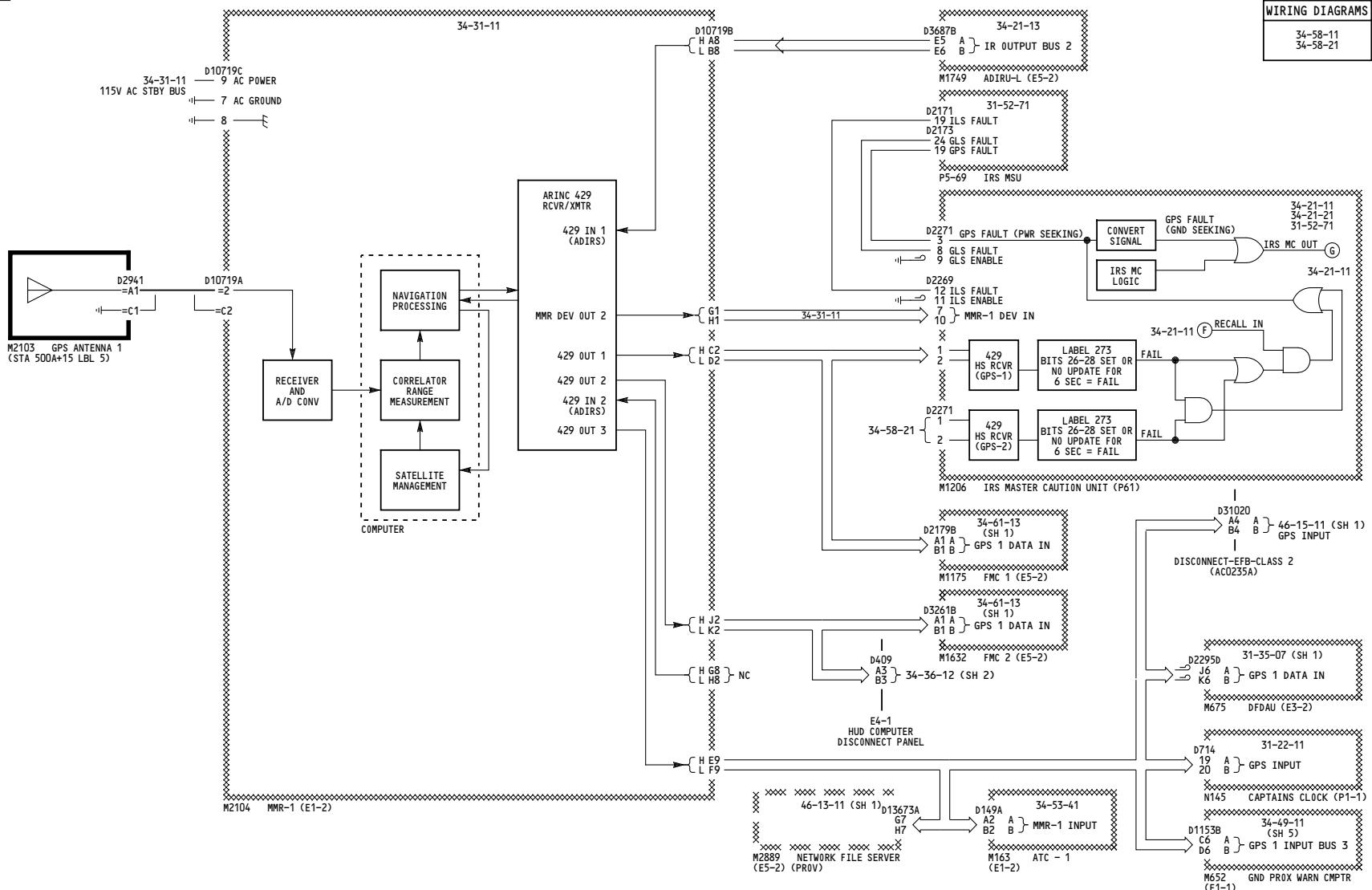
GLOBAL POSITIONING SYSTEM GPSSU 1

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YT104

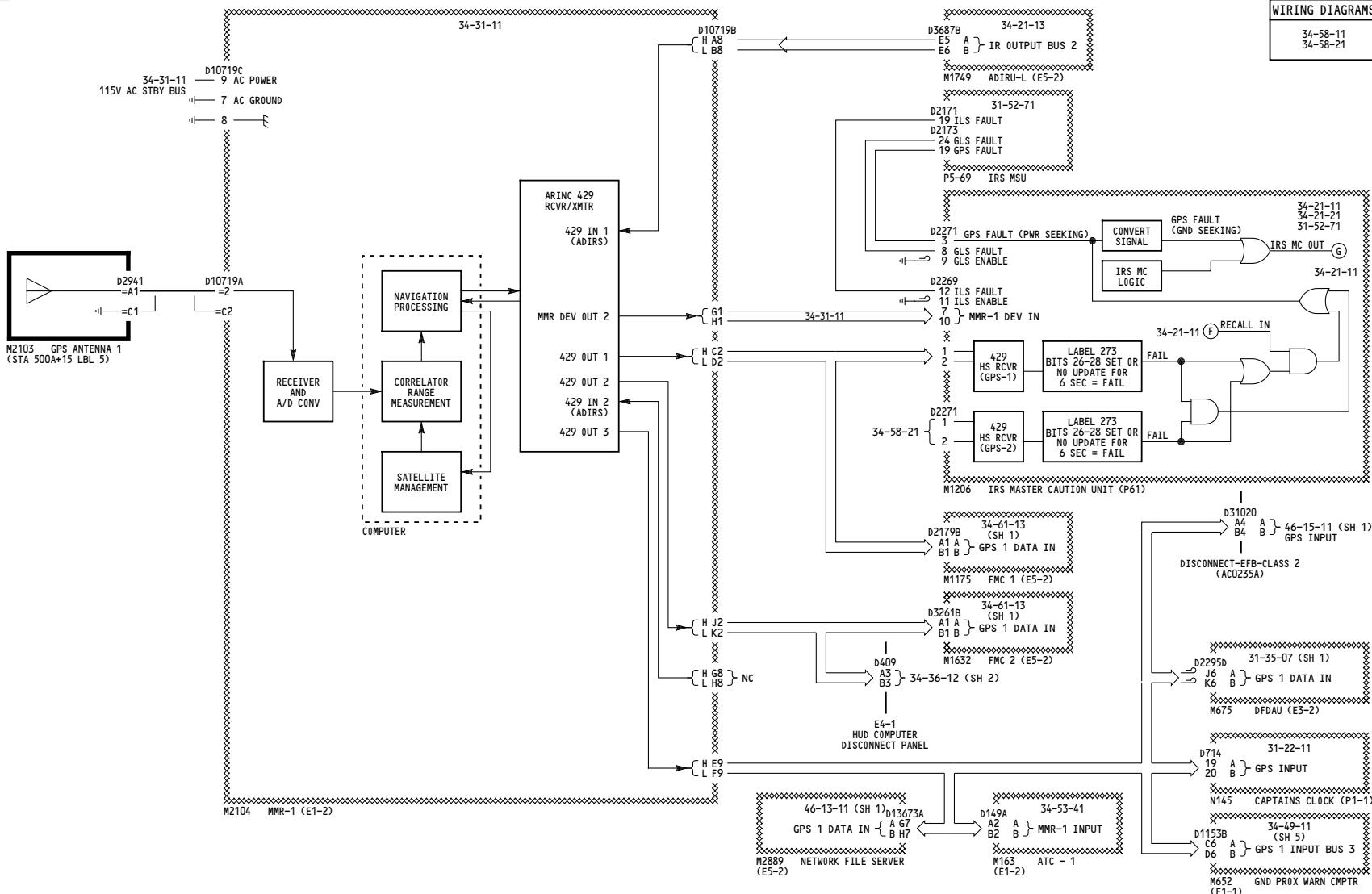
**GLOBAL POSITIONING SYSTEM
GPSSU 1**

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YT105-YT119

**GLOBAL POSITIONING SYSTEM
GPSSU 1**

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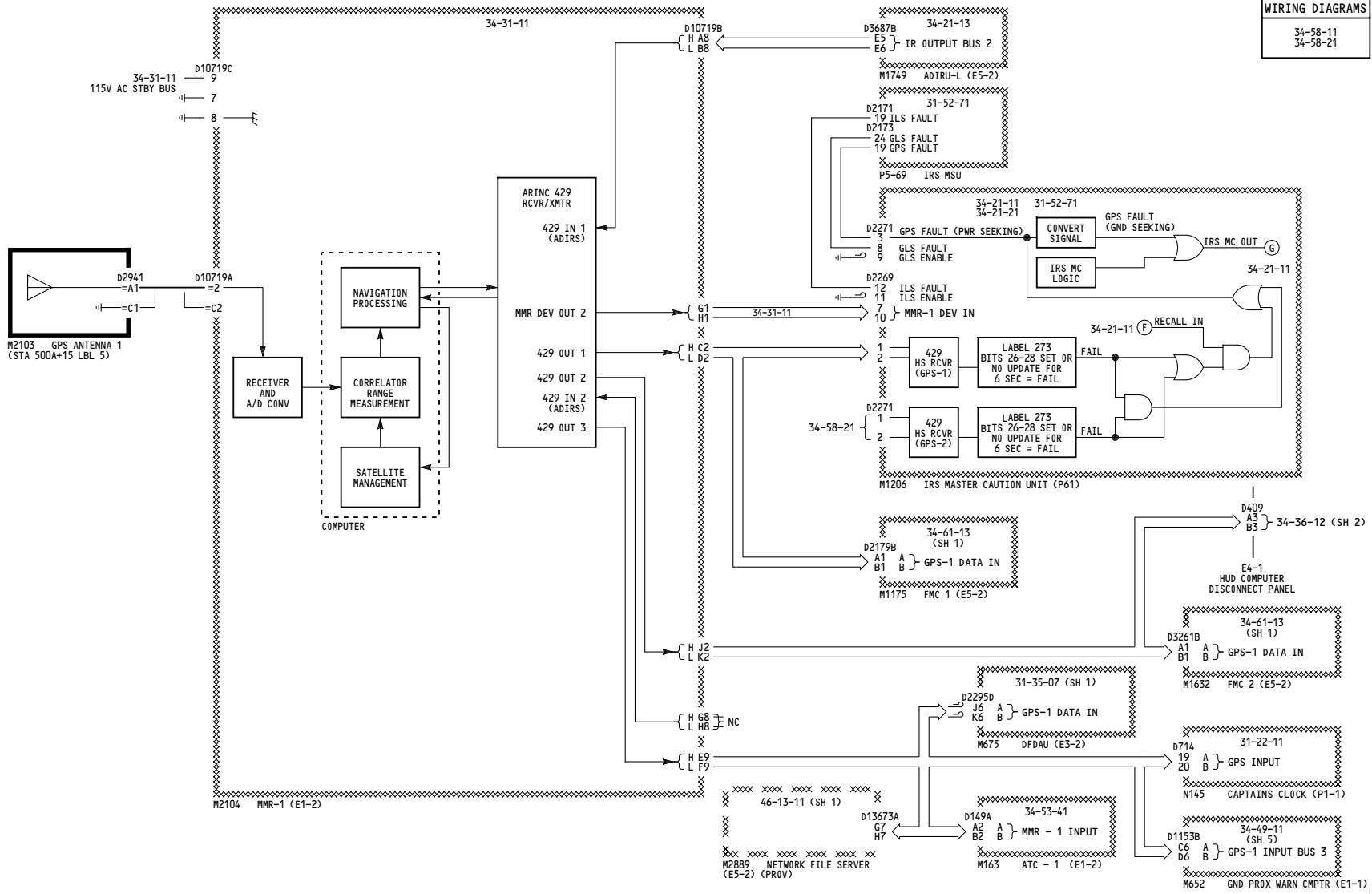
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YT126-YT129

GLOBAL POSITIONING SYSTEM GPSSU 1

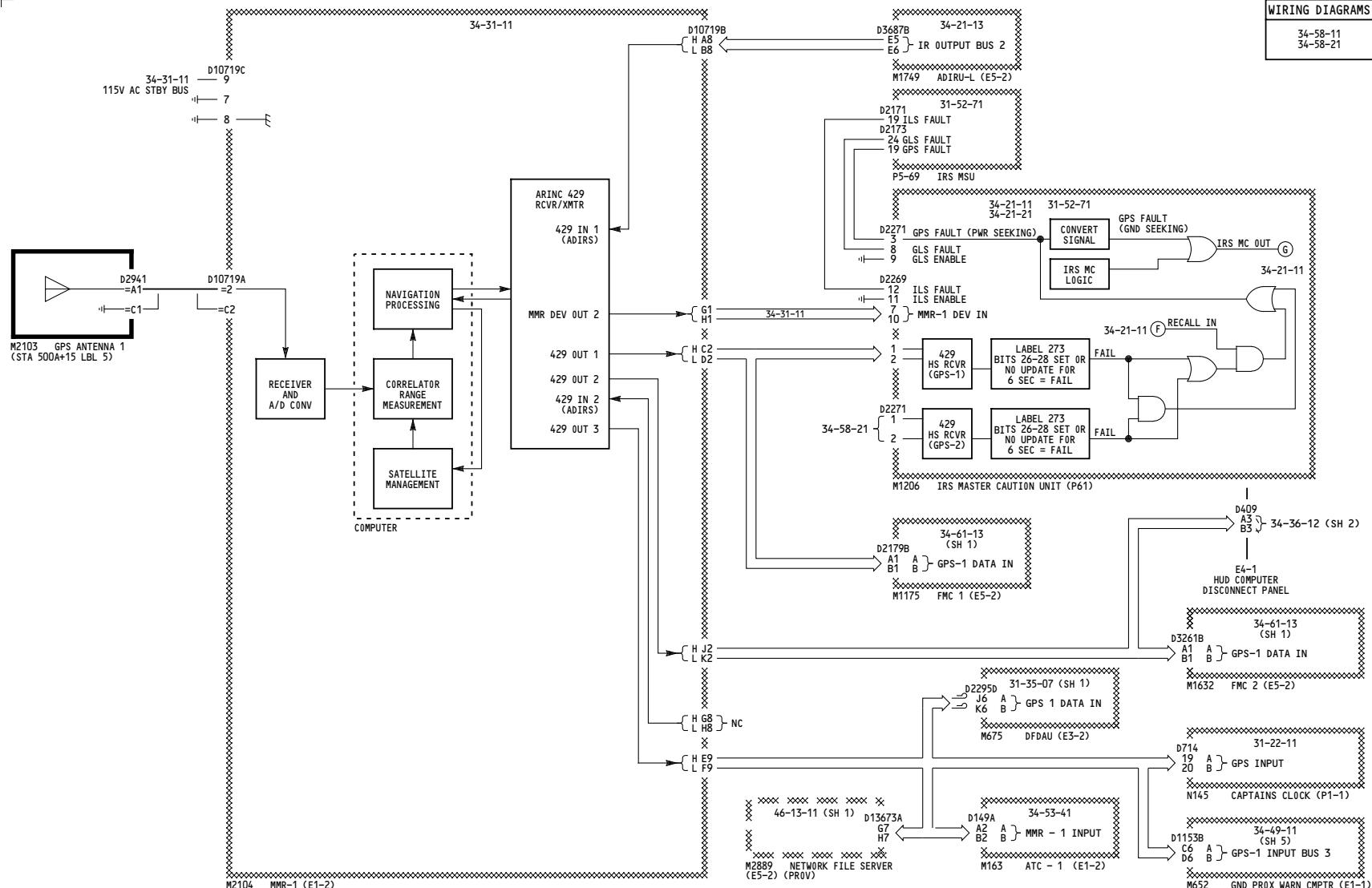
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WIRING DIAGRAMS	
34-58-11	34-58-21



YT130-YT133

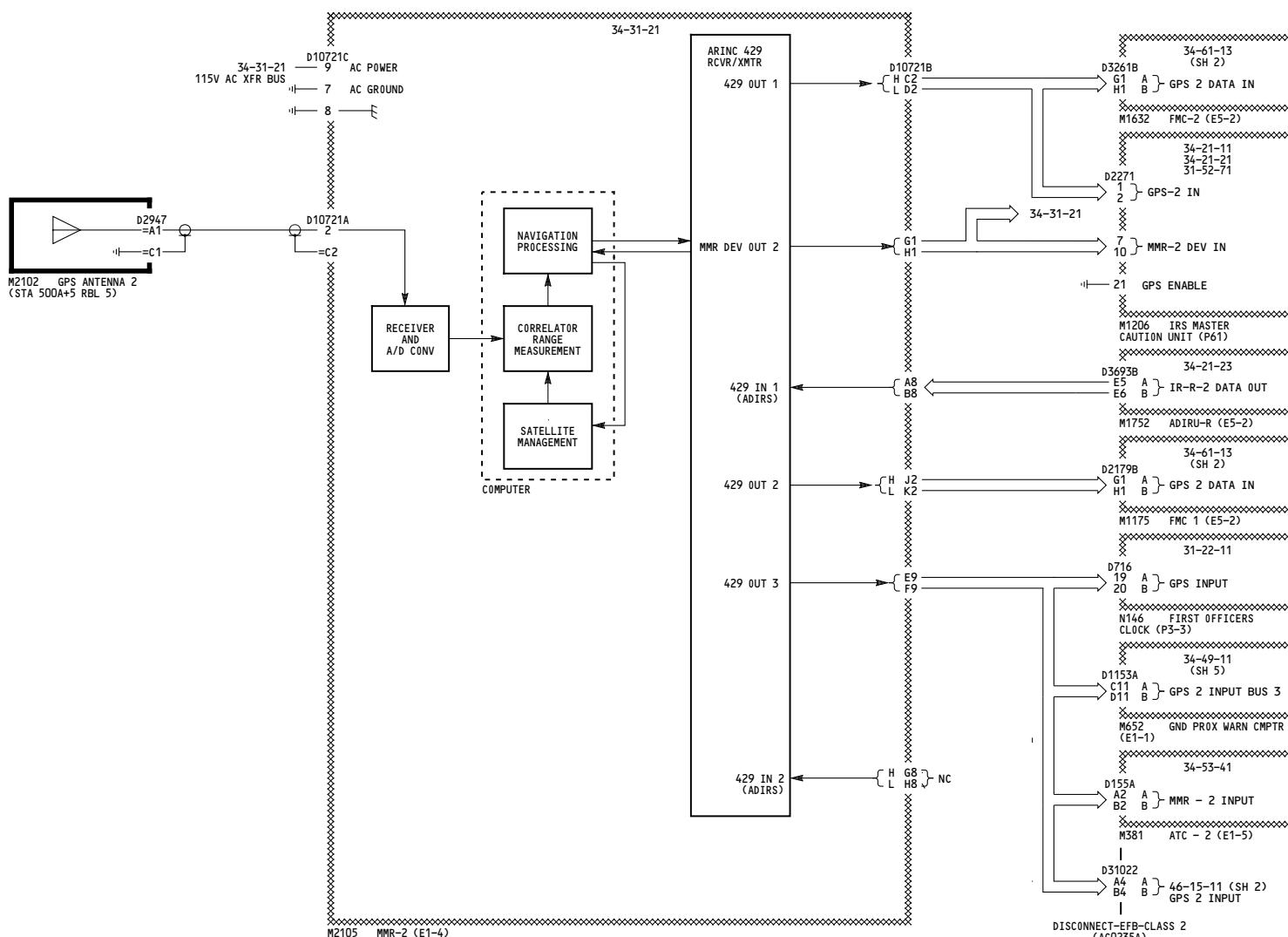
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GPSSU 1

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34-58-11

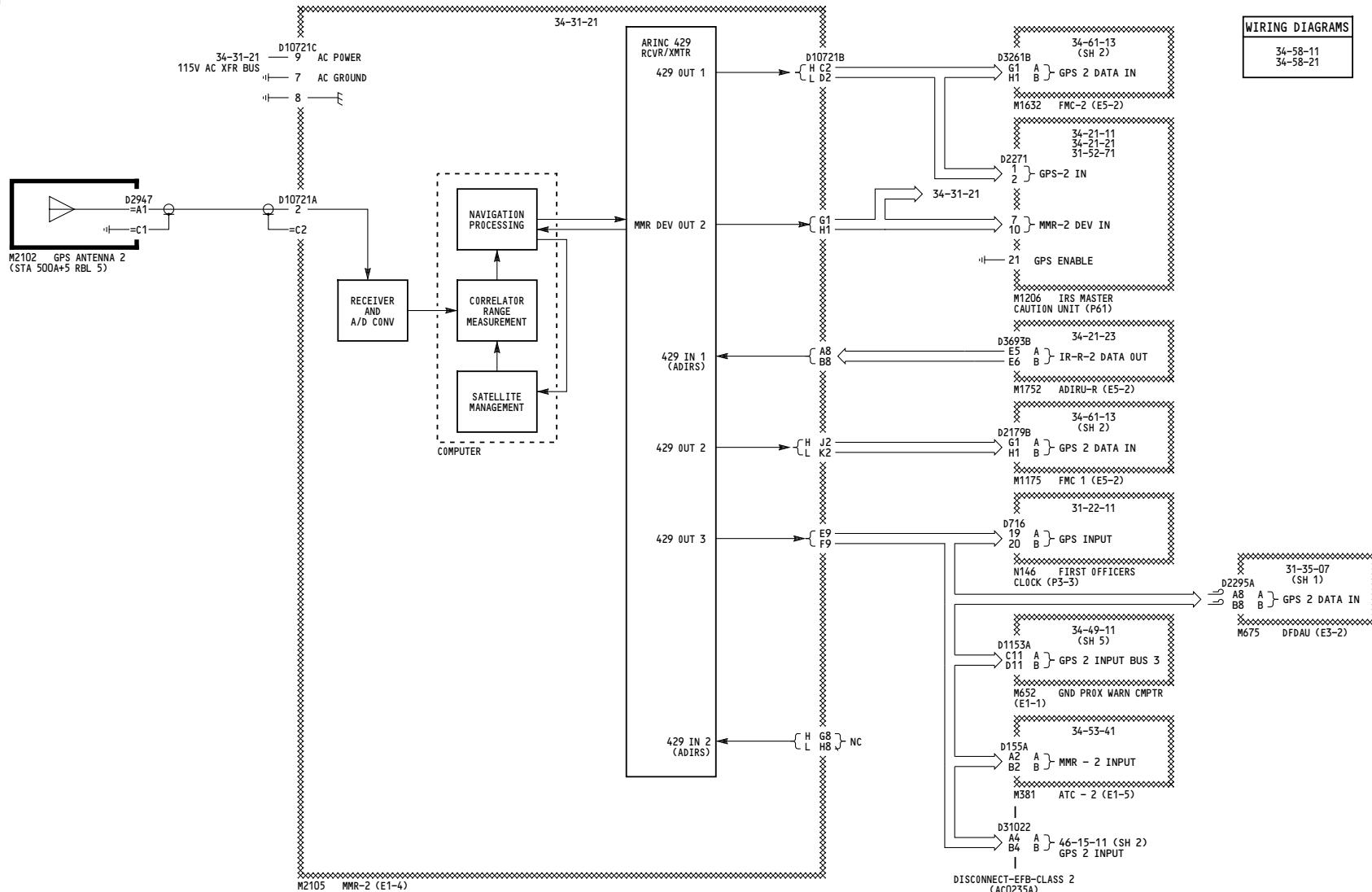
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YT104-YT120

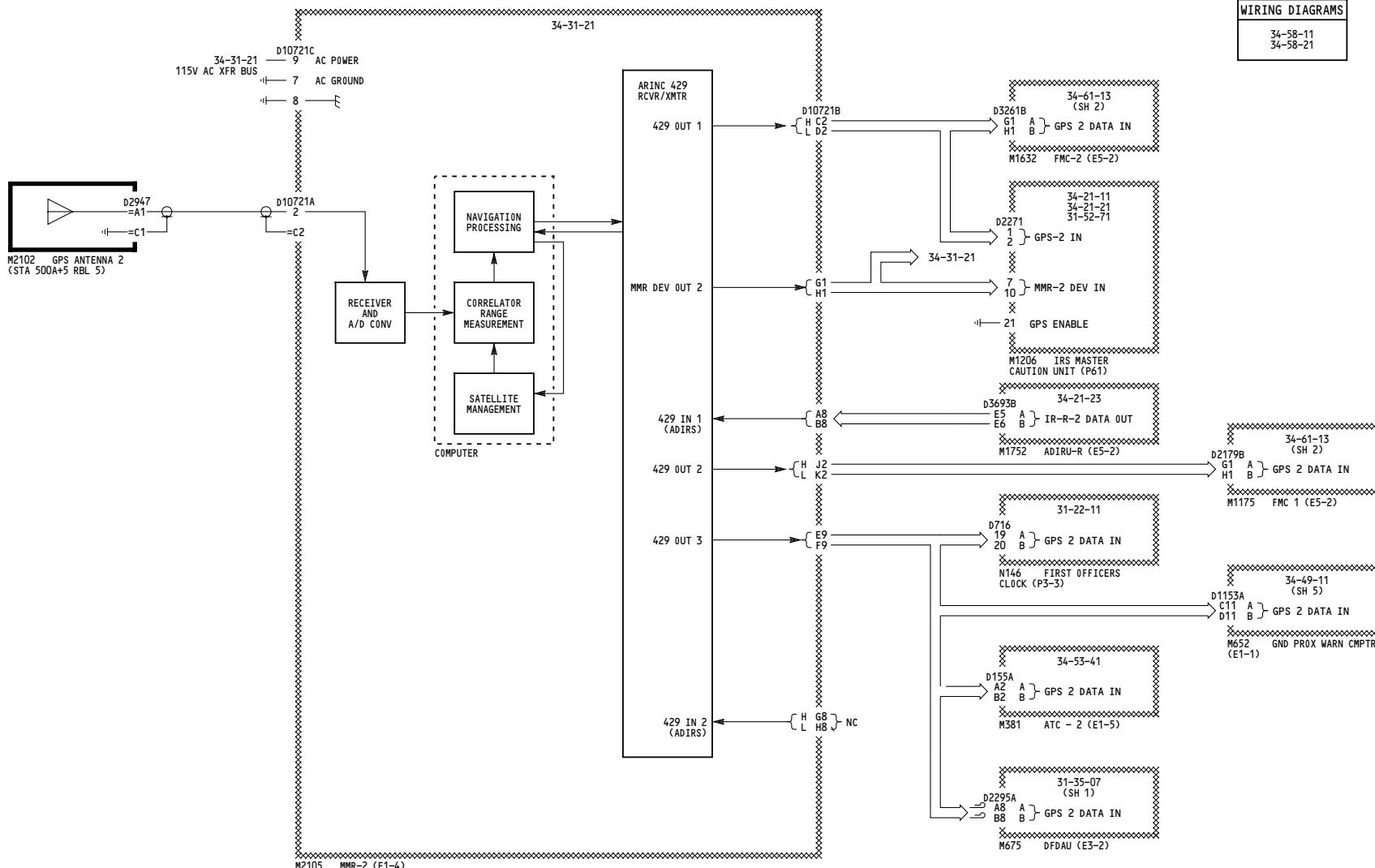
GLOBAL POSITIONING SYSTEM GPSSU 2

D280A451

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WIRING DIAGRAMS
 34-58-11
 34-58-21


YT126-YT133

**GLOBAL POSITIONING SYSTEM
GPSSU 2**

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34-58-21

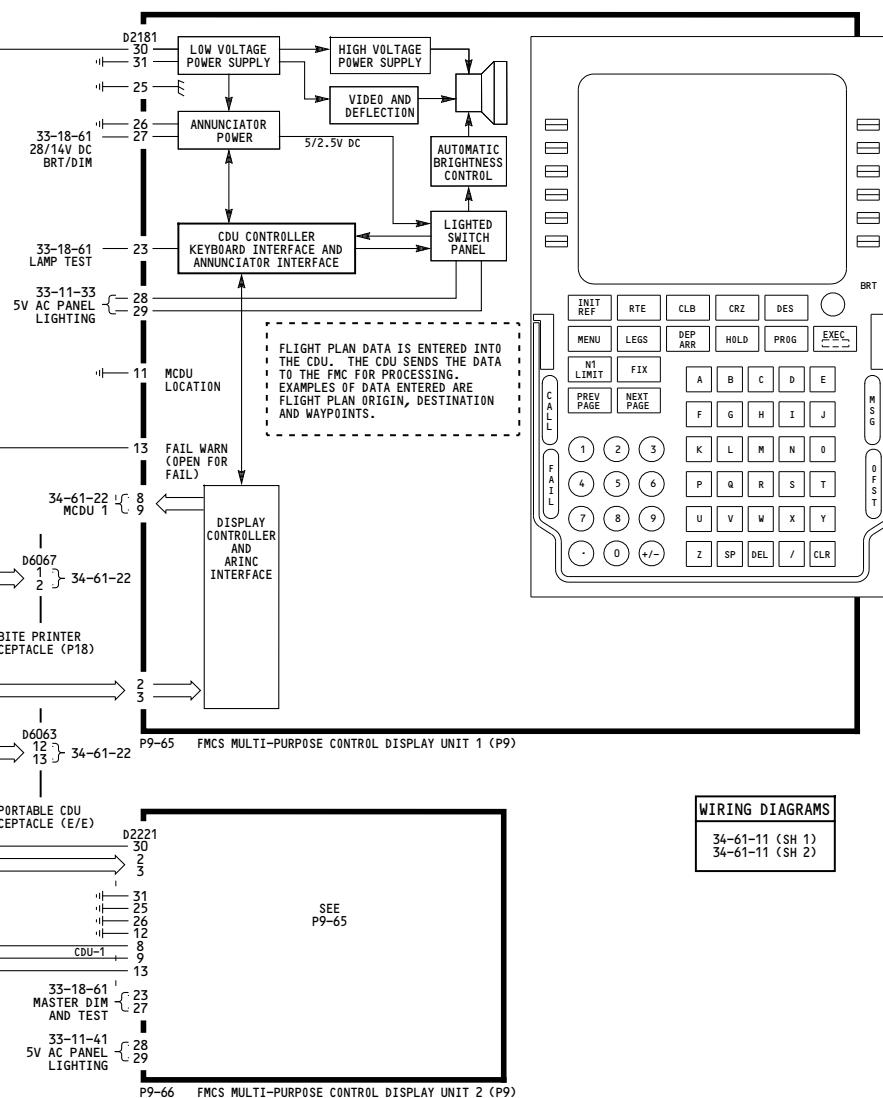
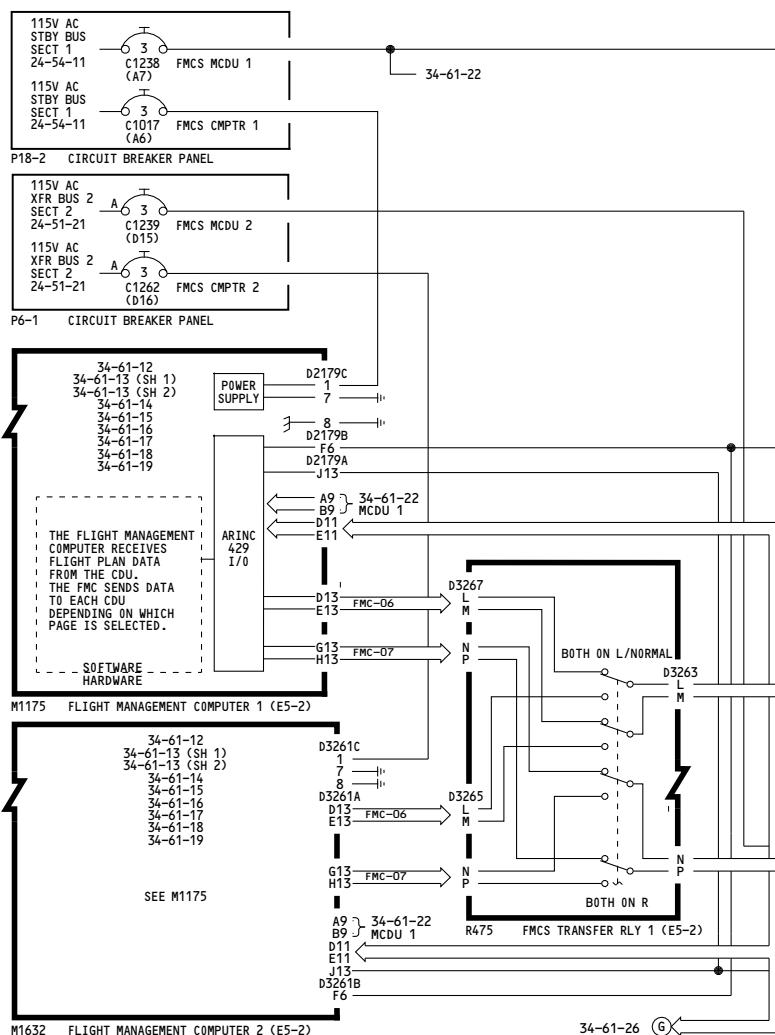
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ALL

FMCS POWER AND DISPLAY

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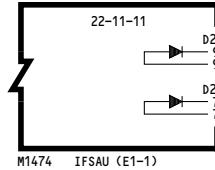
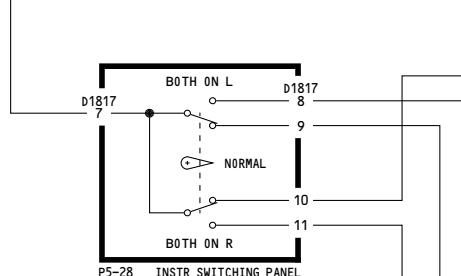
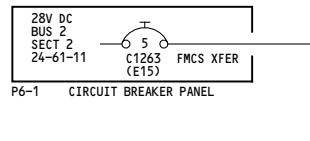
WIRING DIAGRAMS
 34-61-12


TABLE I: FMC SOURCE SELECT	
FMC PIN	MODE OF OPERATION
0	SINGLE FMC
0	DUAL FMC / FMC-R MASTER
1	DUAL FMC / FMC-L MASTER
1	DUAL FMC / NORMAL

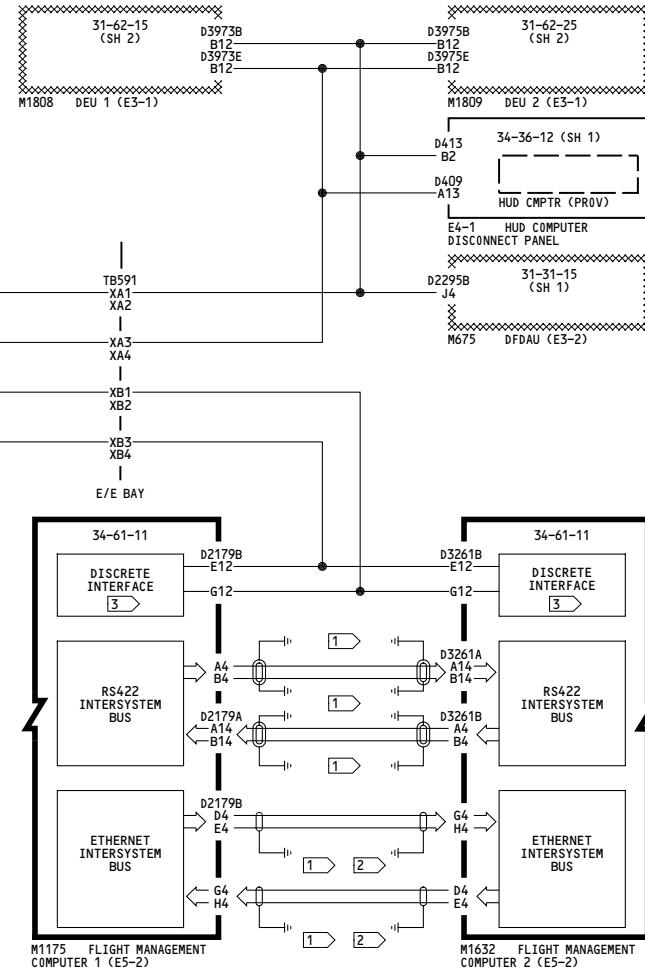
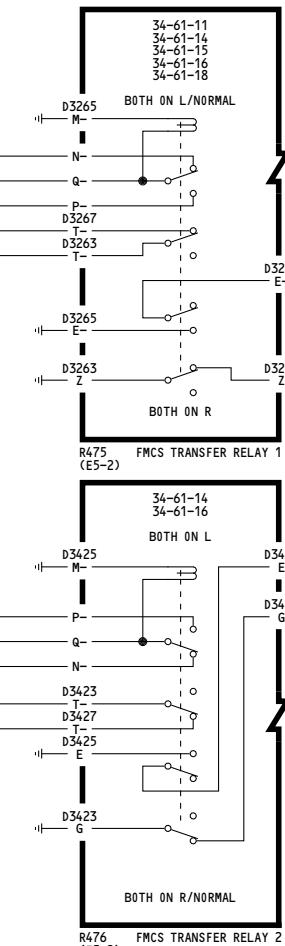
NOTES:

- [1] SHIELD PIGTAILS TO BE FOUR INCHES MAX
- [2] S280W502-1 CABLE
- [3] SEE TABLE I

ALL

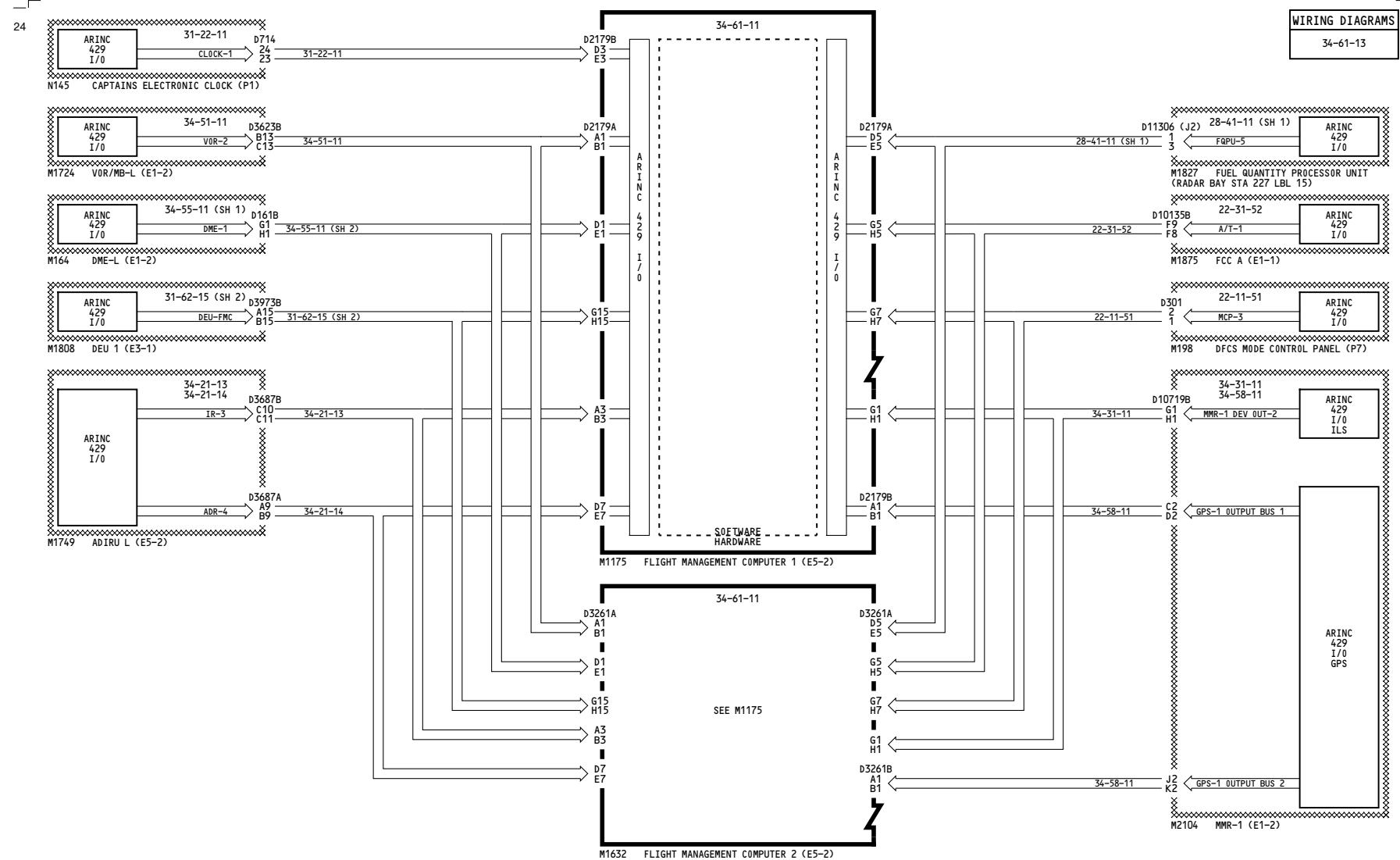
**FMCS SWITCHING AND
INTER-SYSTEM BUS**

D280A451


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YT101-YT109, YT126-YT129

FMCS ARINC 429 INPUTS

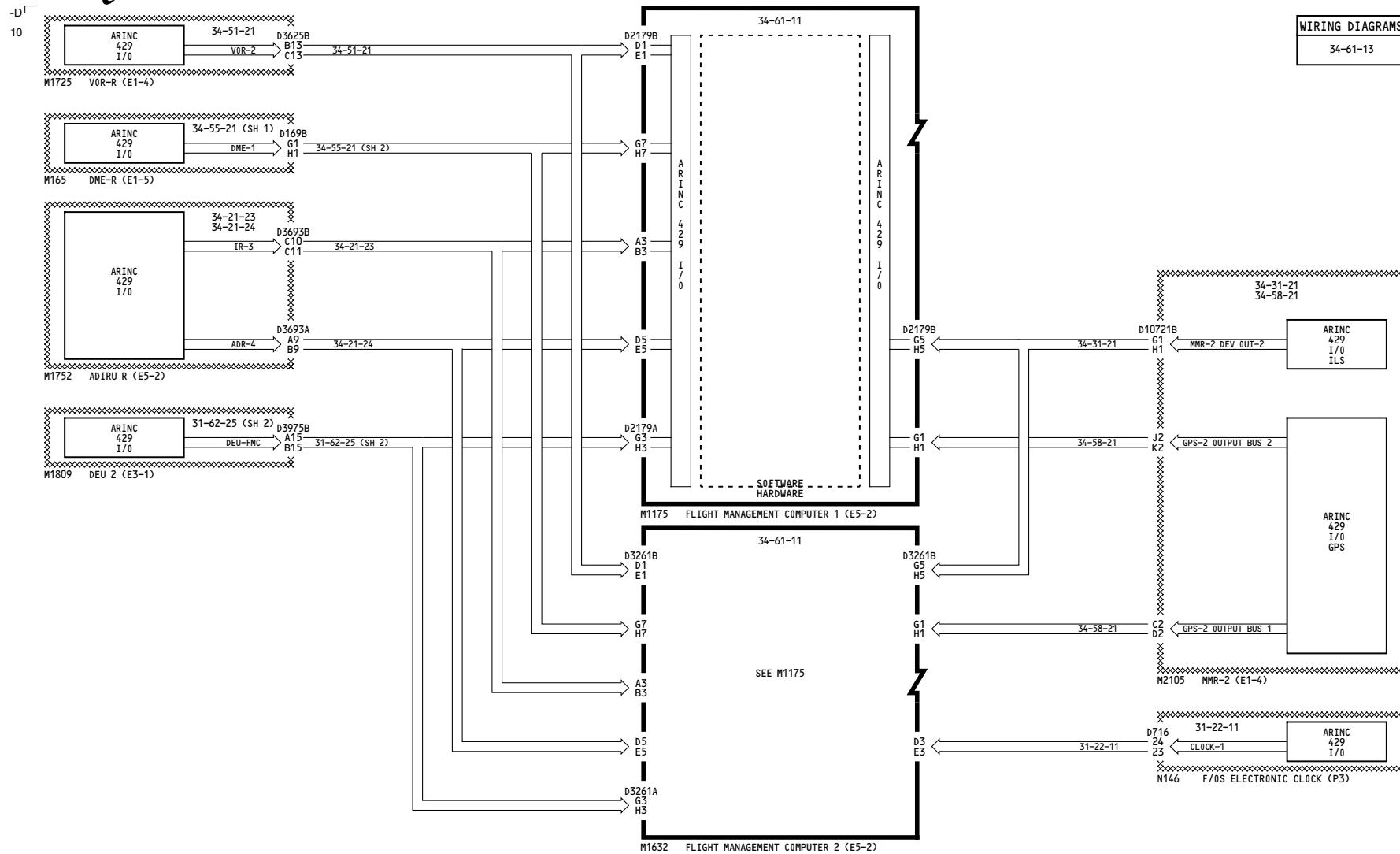
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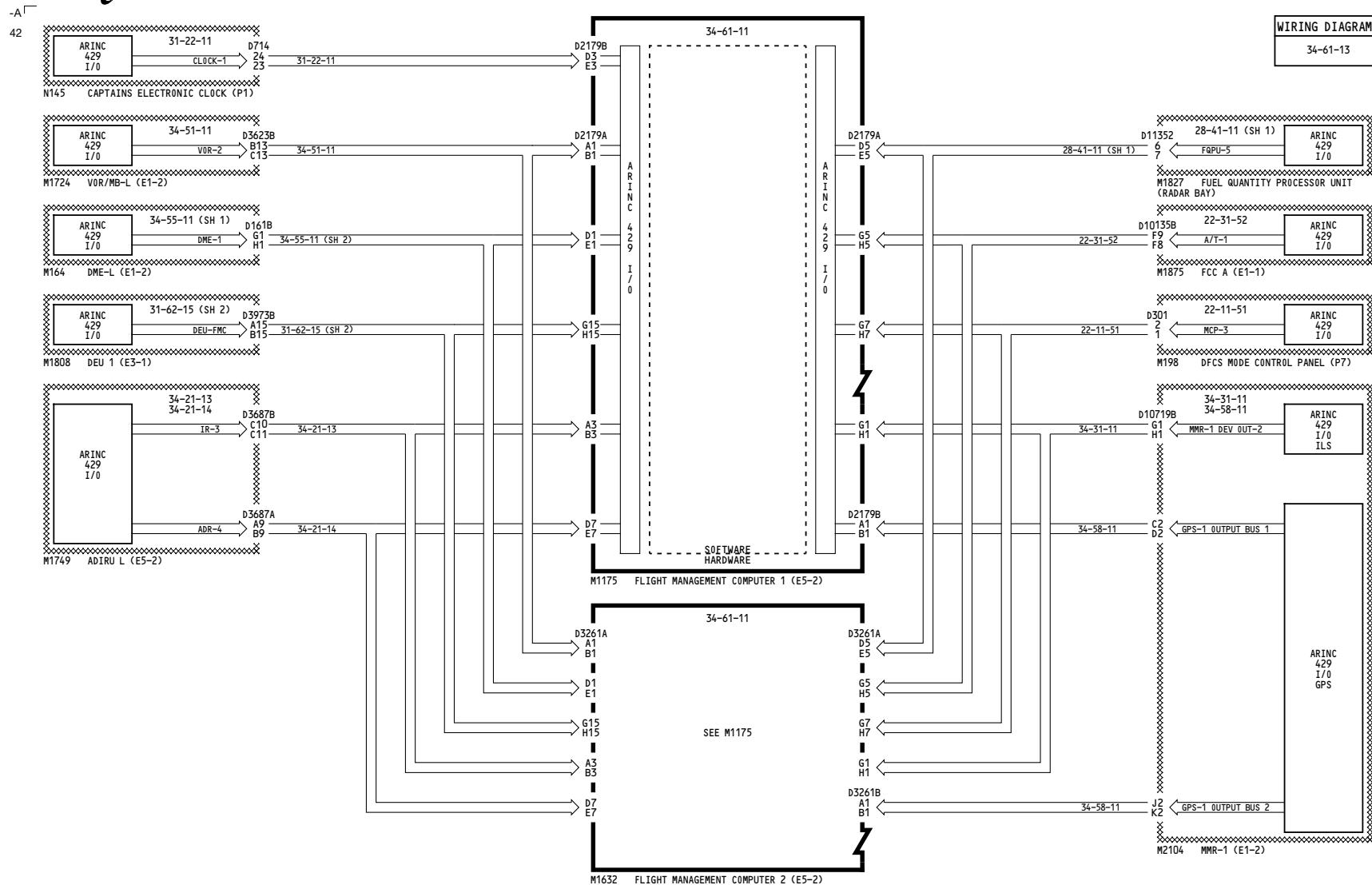
YT101-YT109, YT126-YT129

FMCS ARINC 429 INPUTS

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YT110-YT120, YT130-YT133

FMCS ARINC 429 INPUTS

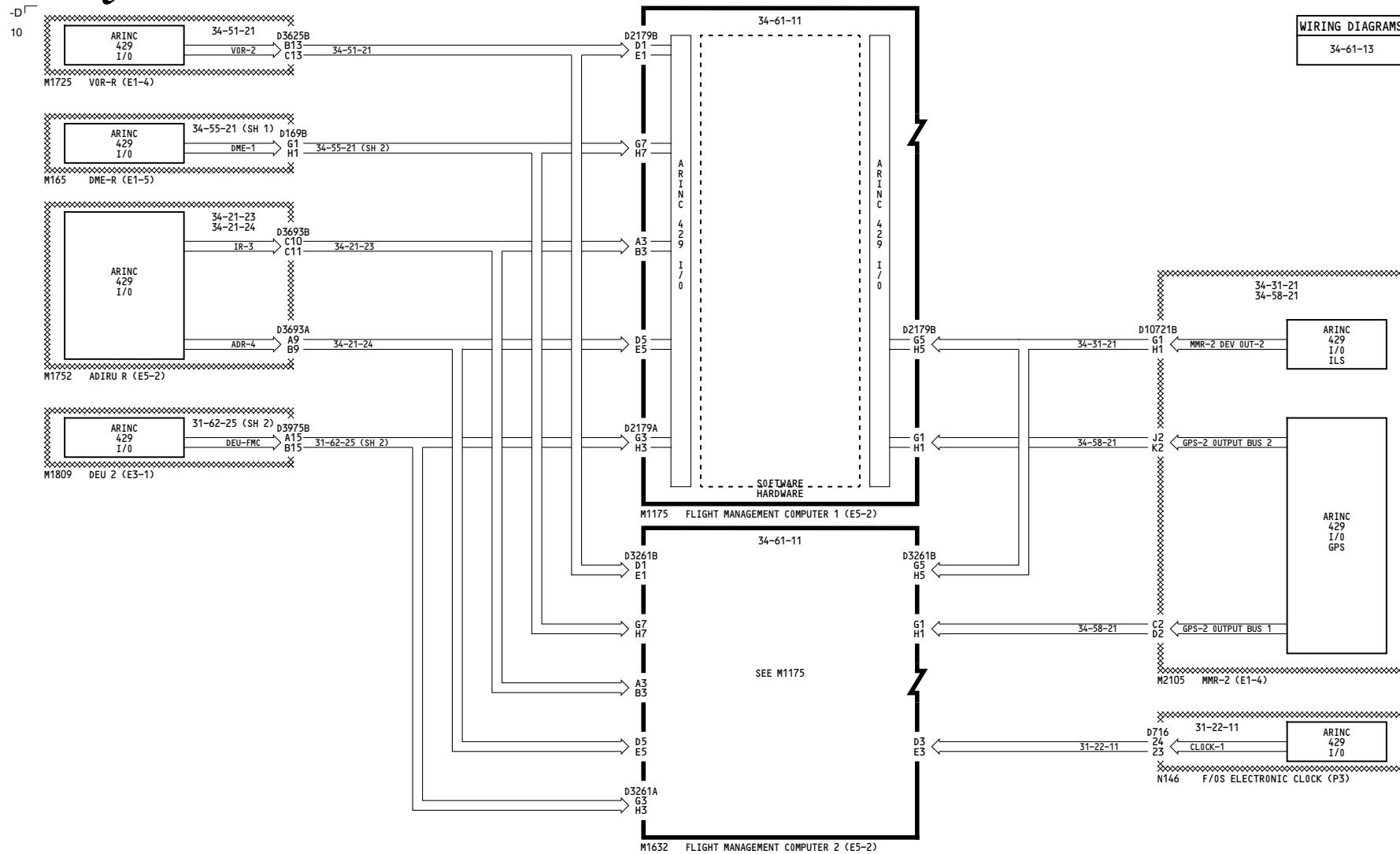
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YT110-YT120, YT130-YT133

FMCS ARINC 429 INPUTS

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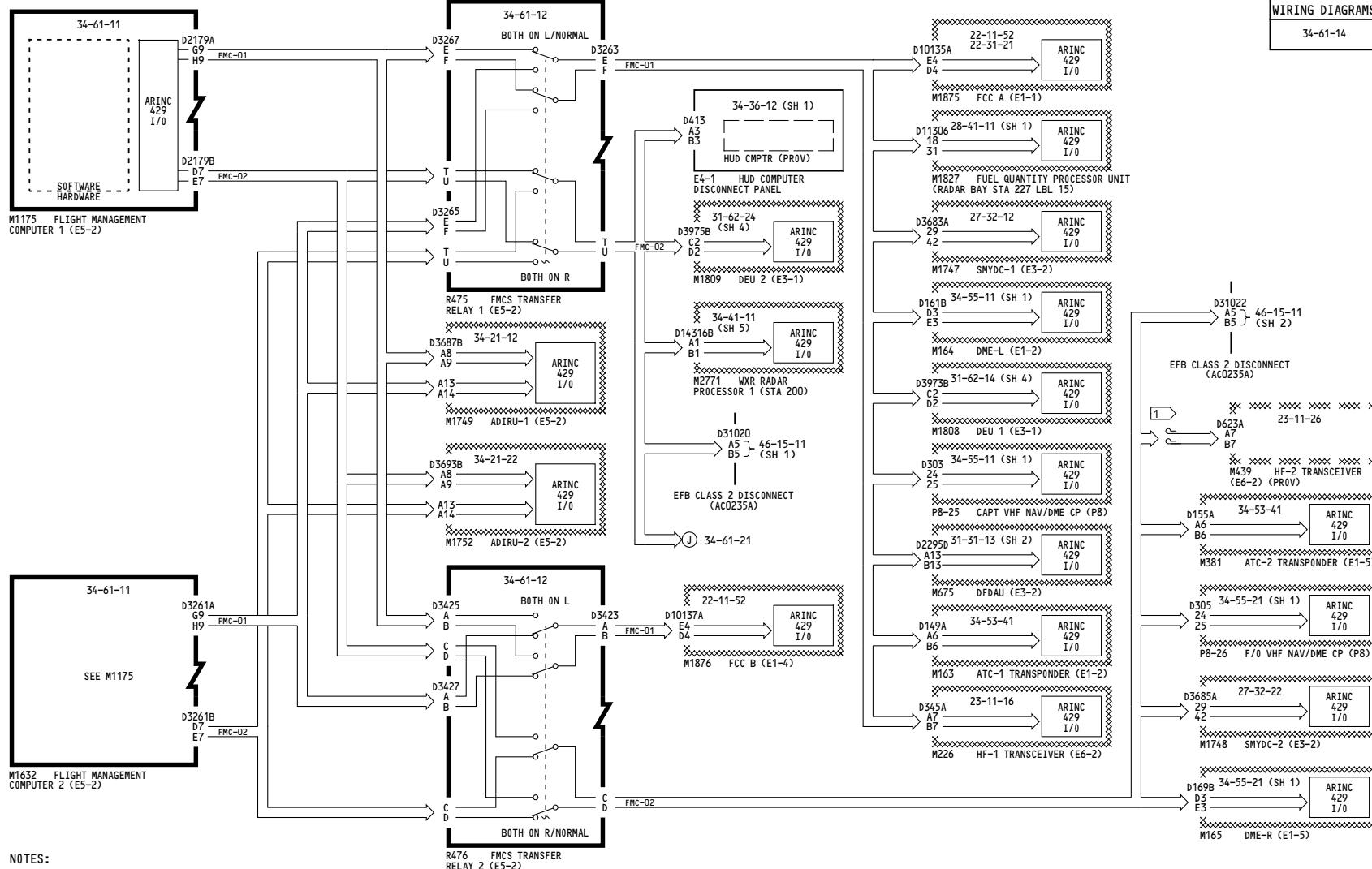
Sheet 2

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NOTES:

1 CAP & STOW NEAR TB521, ZA1 / ZB1

YT101-YT103

FMCS GENERAL OUTPUT BUSES FMC-01 AND FMC-02

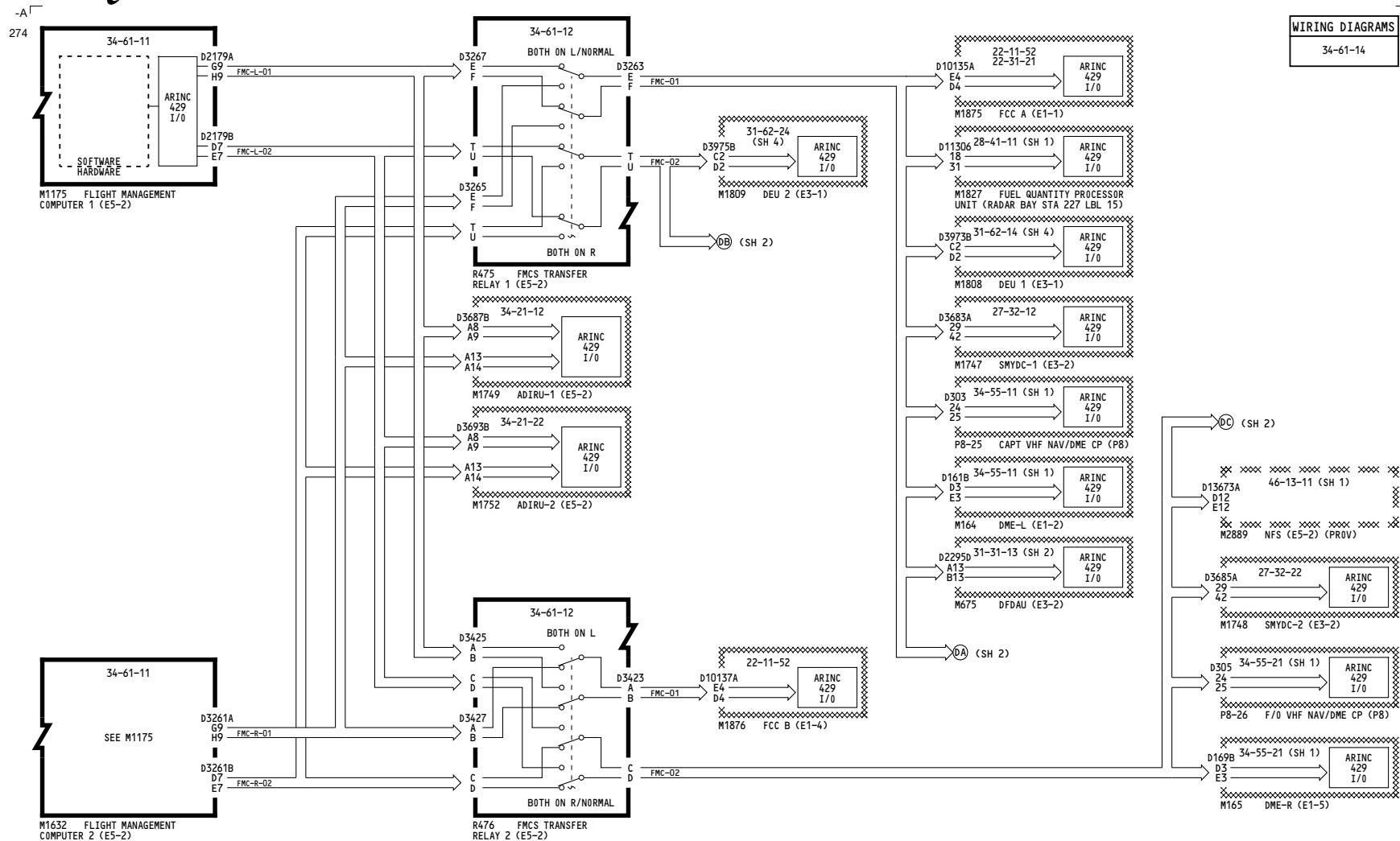
D280A451

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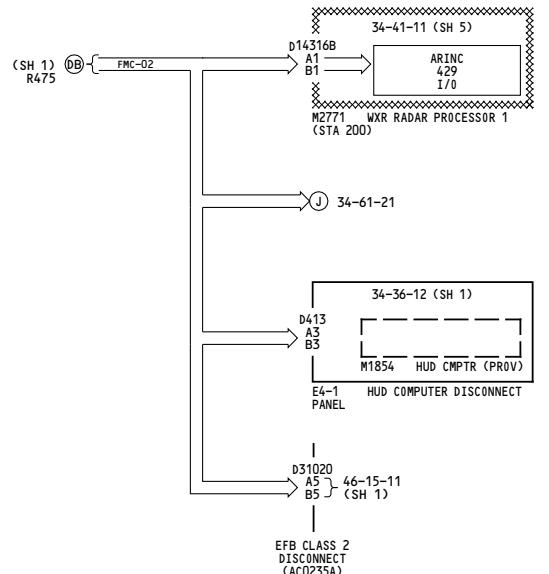
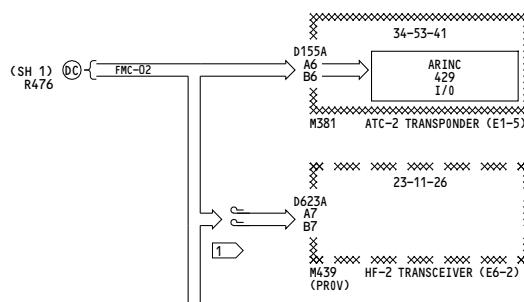
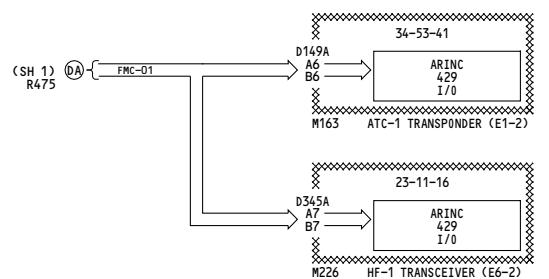
YT104-YT105

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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WIRING DIAGRAMS
34-61-14


NOTES:
 1 CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

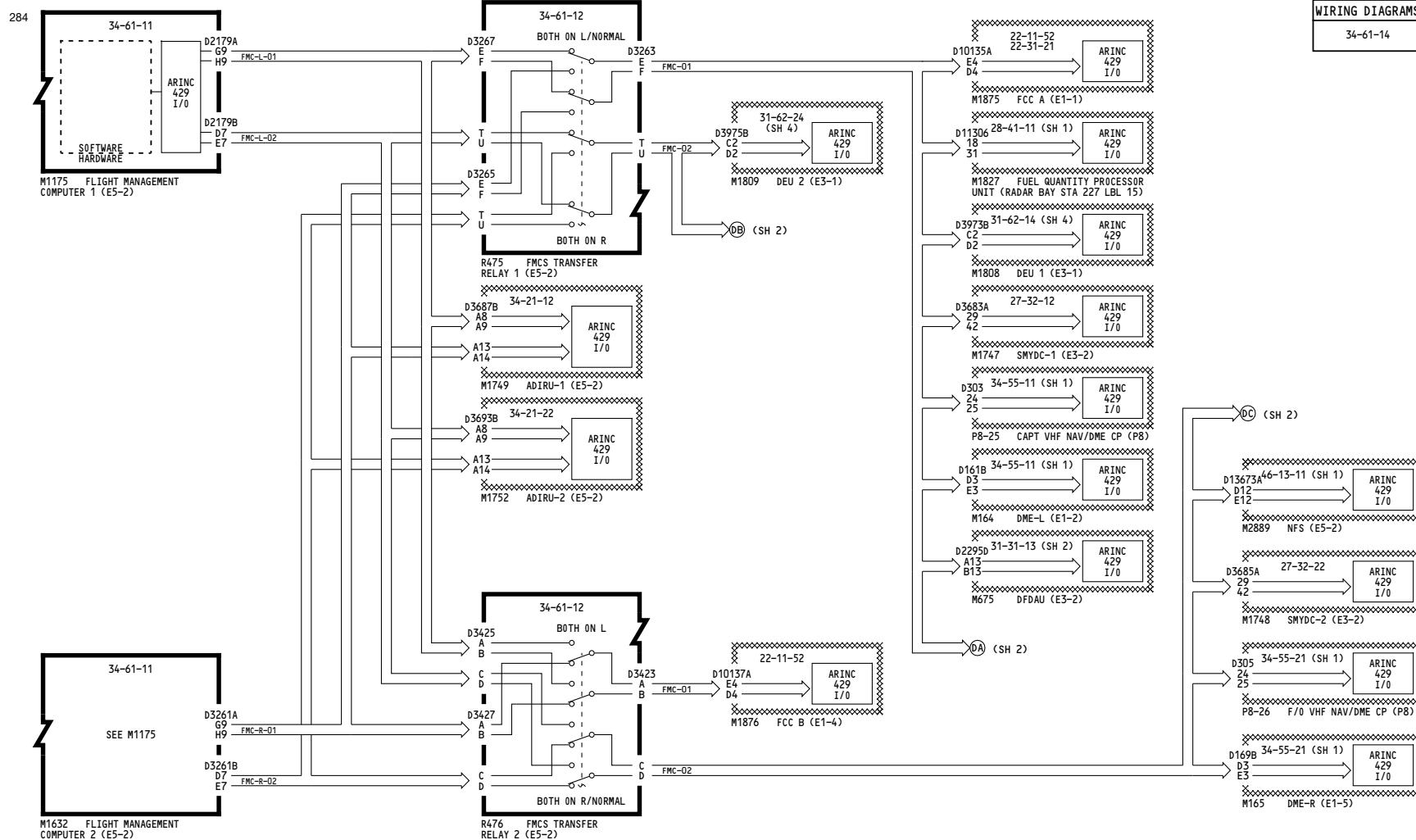
YT104-YT105

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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 Jan 12/2015

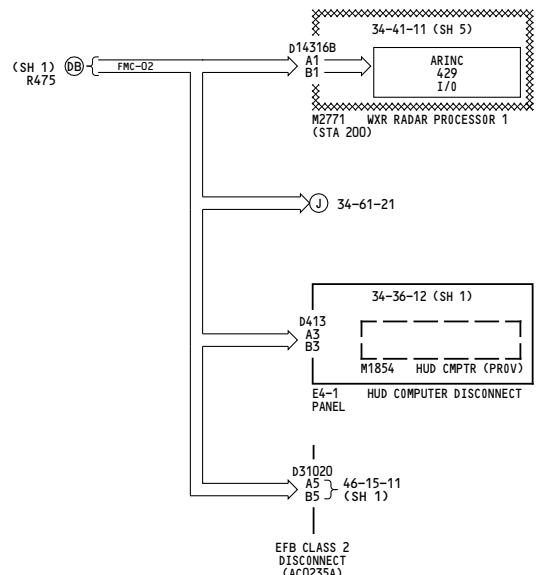
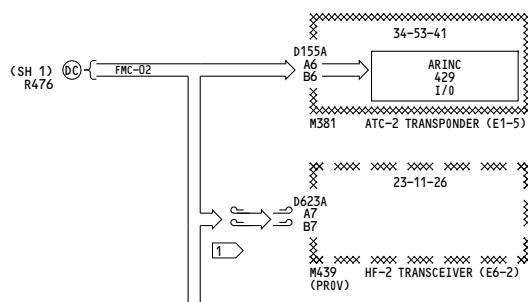
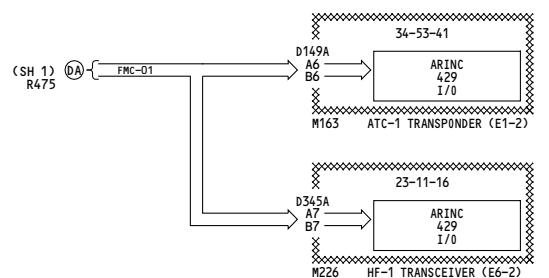


YT106-YT109

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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WIRING DIAGRAMS
 34-61-14

 EFB CLASS 2
 DISCONNECT
 (AC0235A)

NOTES:

1 CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

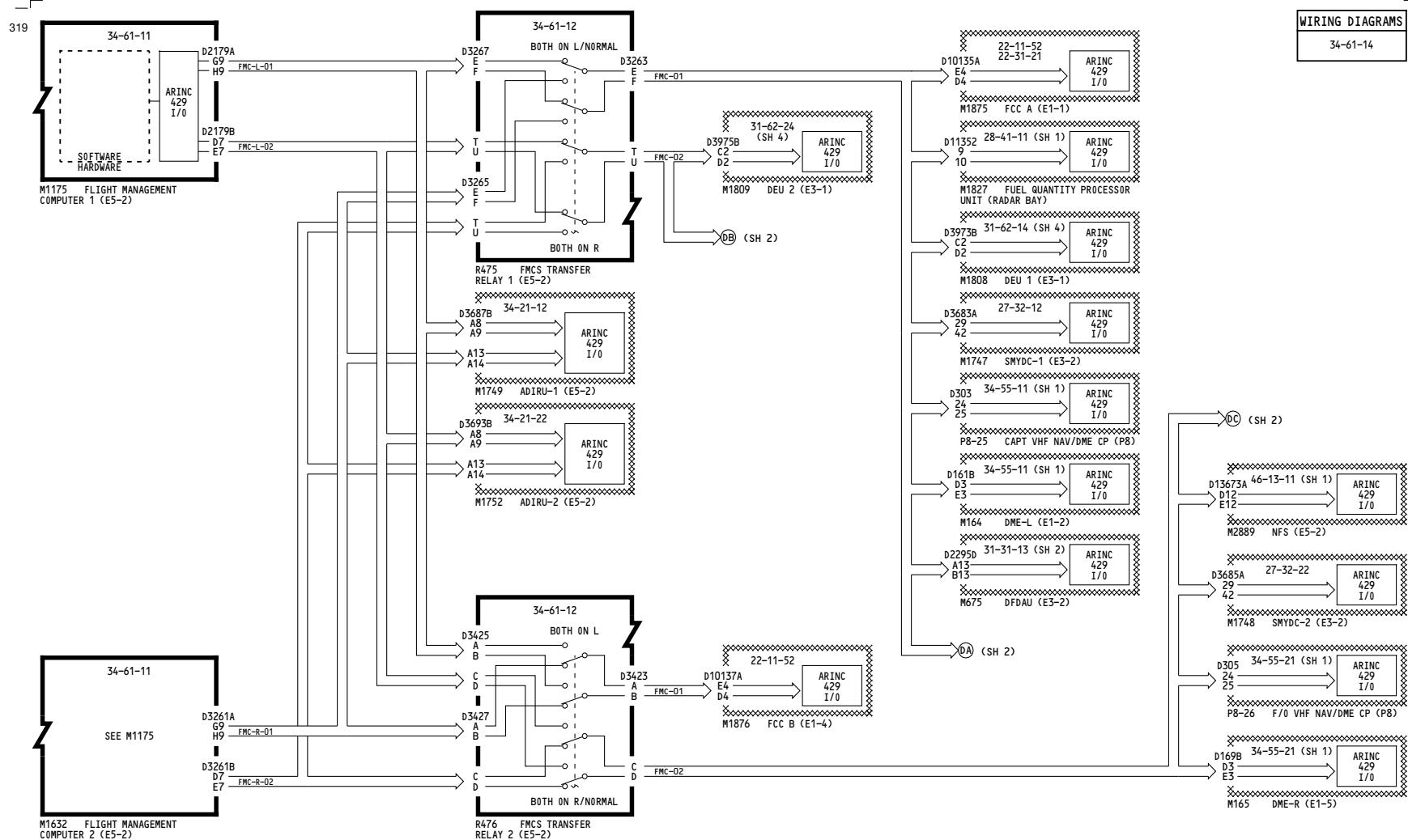
YT106-YT109

**FMCS GENERAL OUTPUT BUSES
 FMC-01 AND FMC-02**

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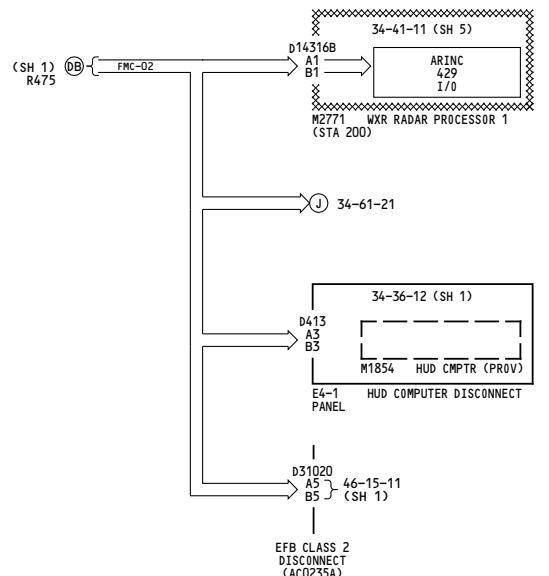
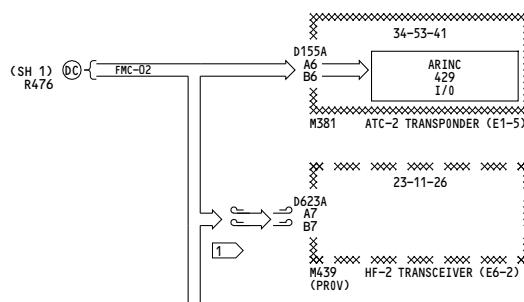
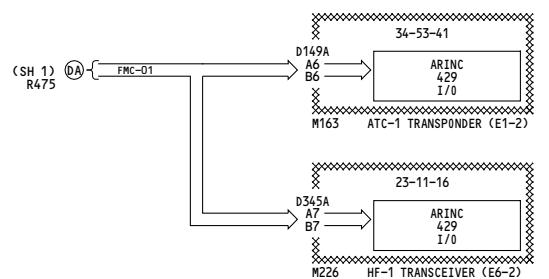
YT110-YT120

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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 Mar 14/2016

WIRING DIAGRAMS
 34-61-14

NOTES:

1 CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

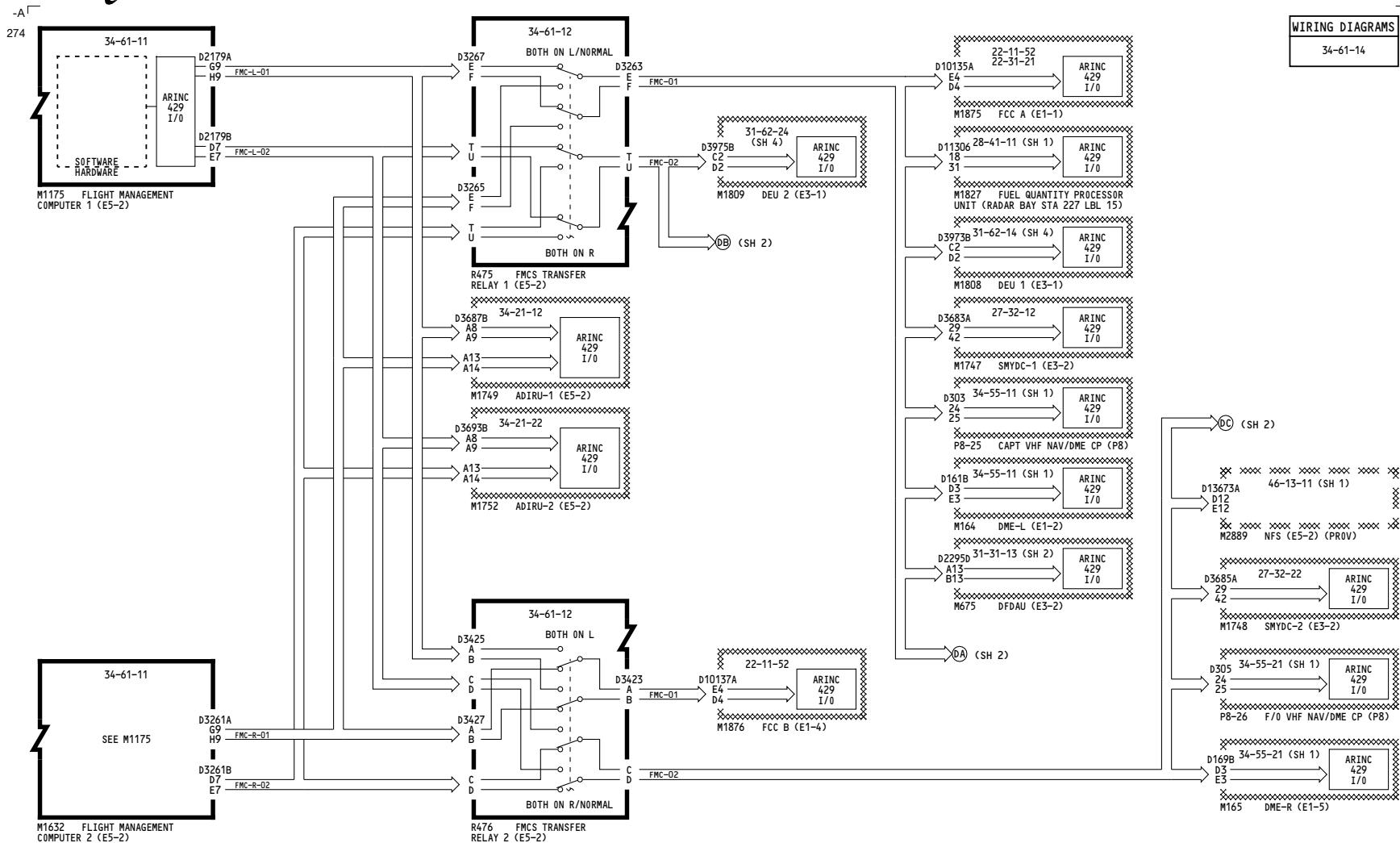
YT110-YT120

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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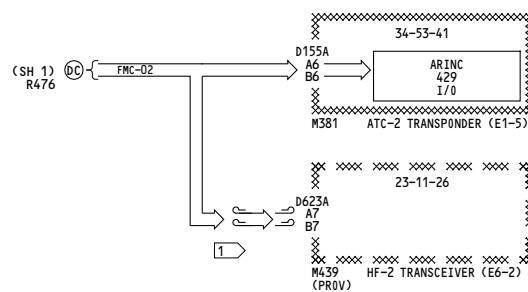
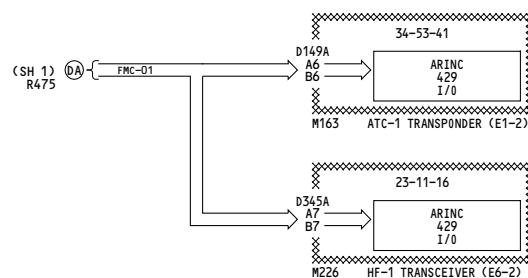
YT126-YT129

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

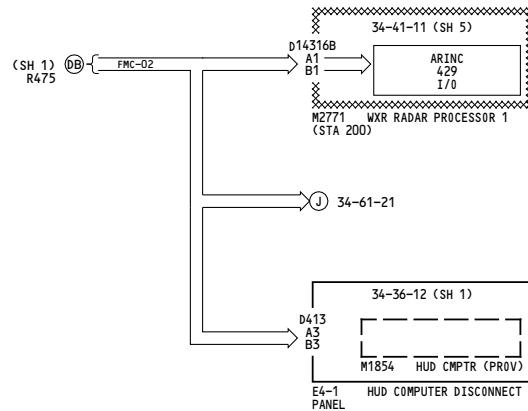
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WIRING DIAGRAMS
34-61-14



NOTES:

1 CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

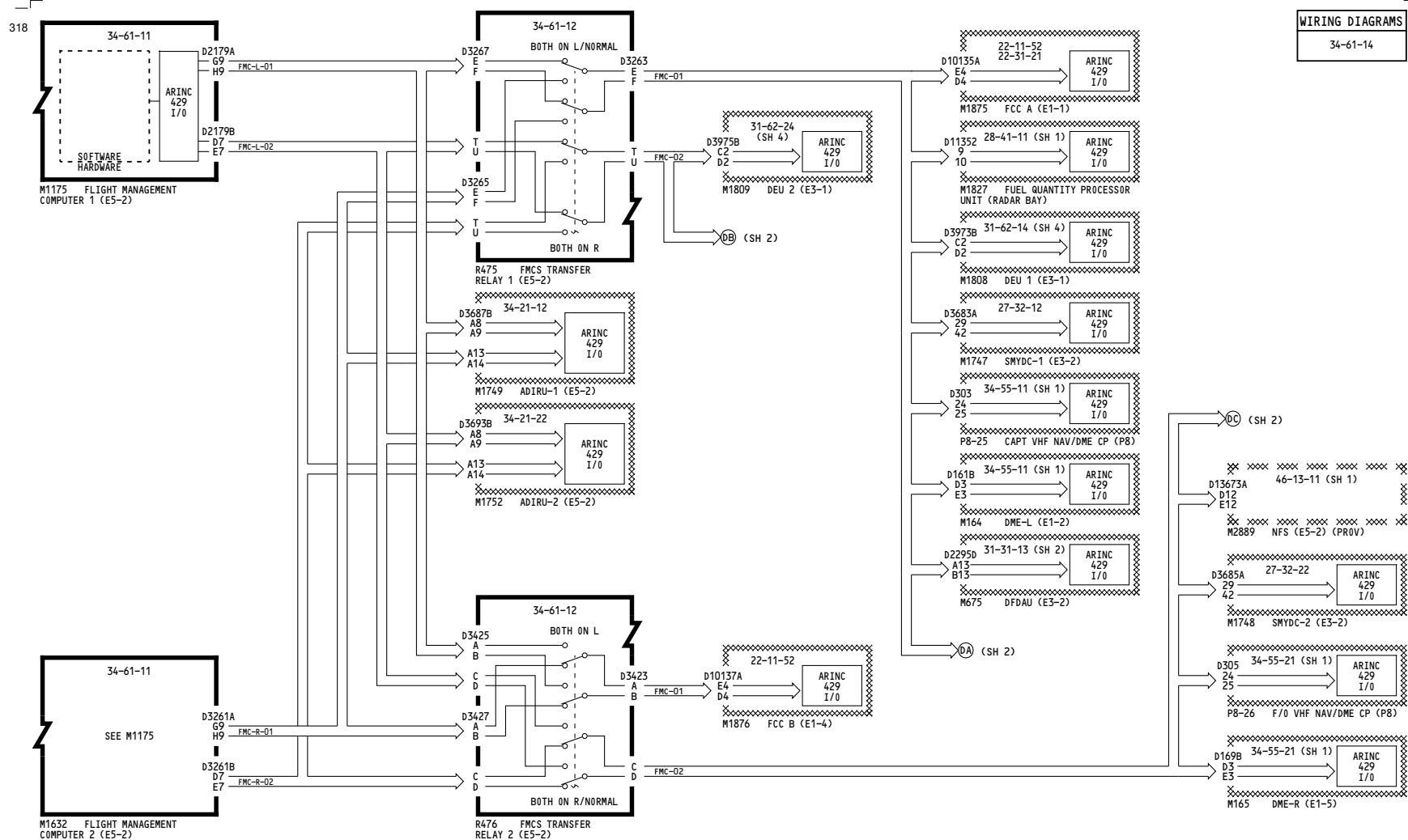
YT126-YT129

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

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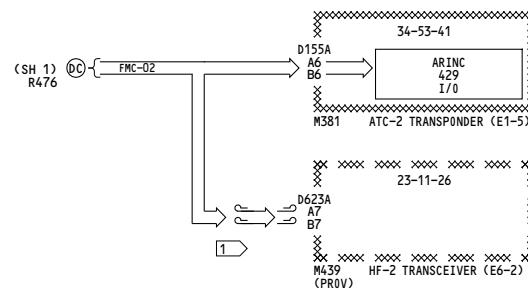
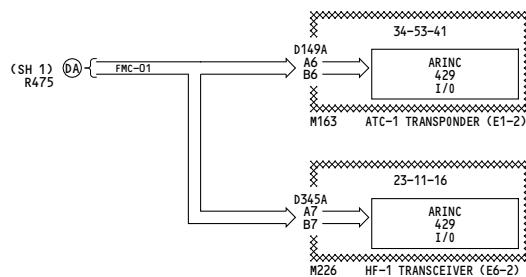
YT130-YT133

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

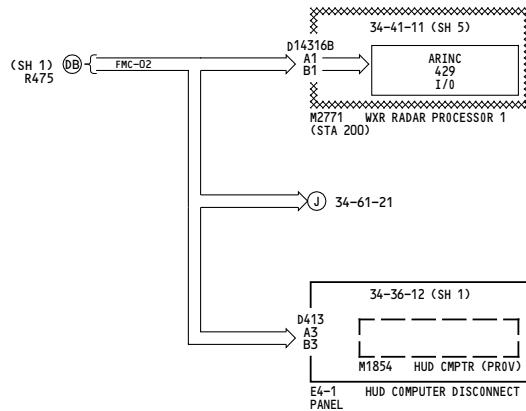
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WIRING DIAGRAMS
34-61-14



NOTES:

CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

YT130-YT133

**FMCS GENERAL OUTPUT BUSES
FMC-01 AND FMC-02**

D280A451

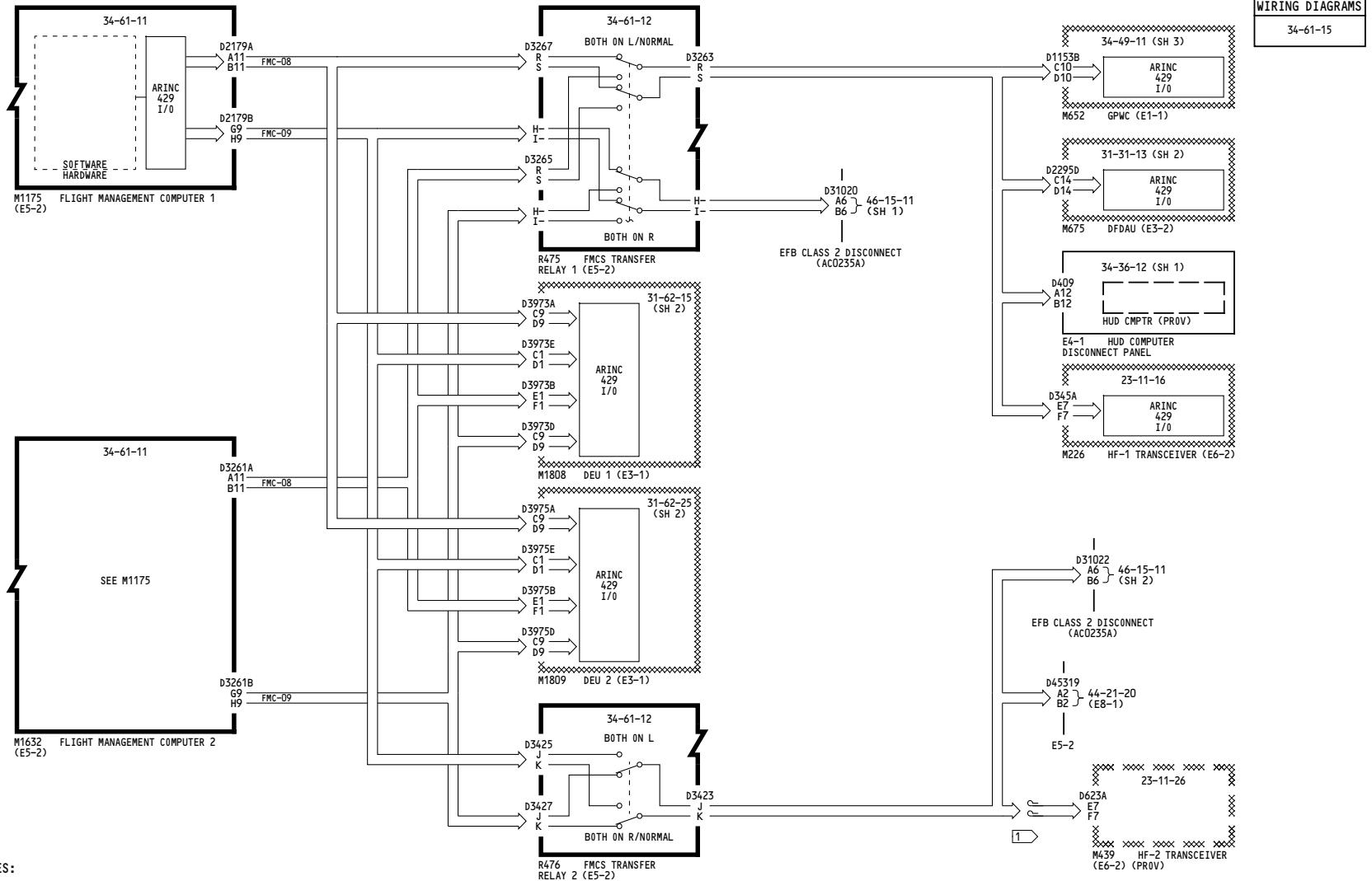
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NOTES:

1 CAP & STOW NEAR TB522, YA23 / YB23

YT101-YT103

FMCS OUTPUT BUSSES FMC-08 AND FMC-09

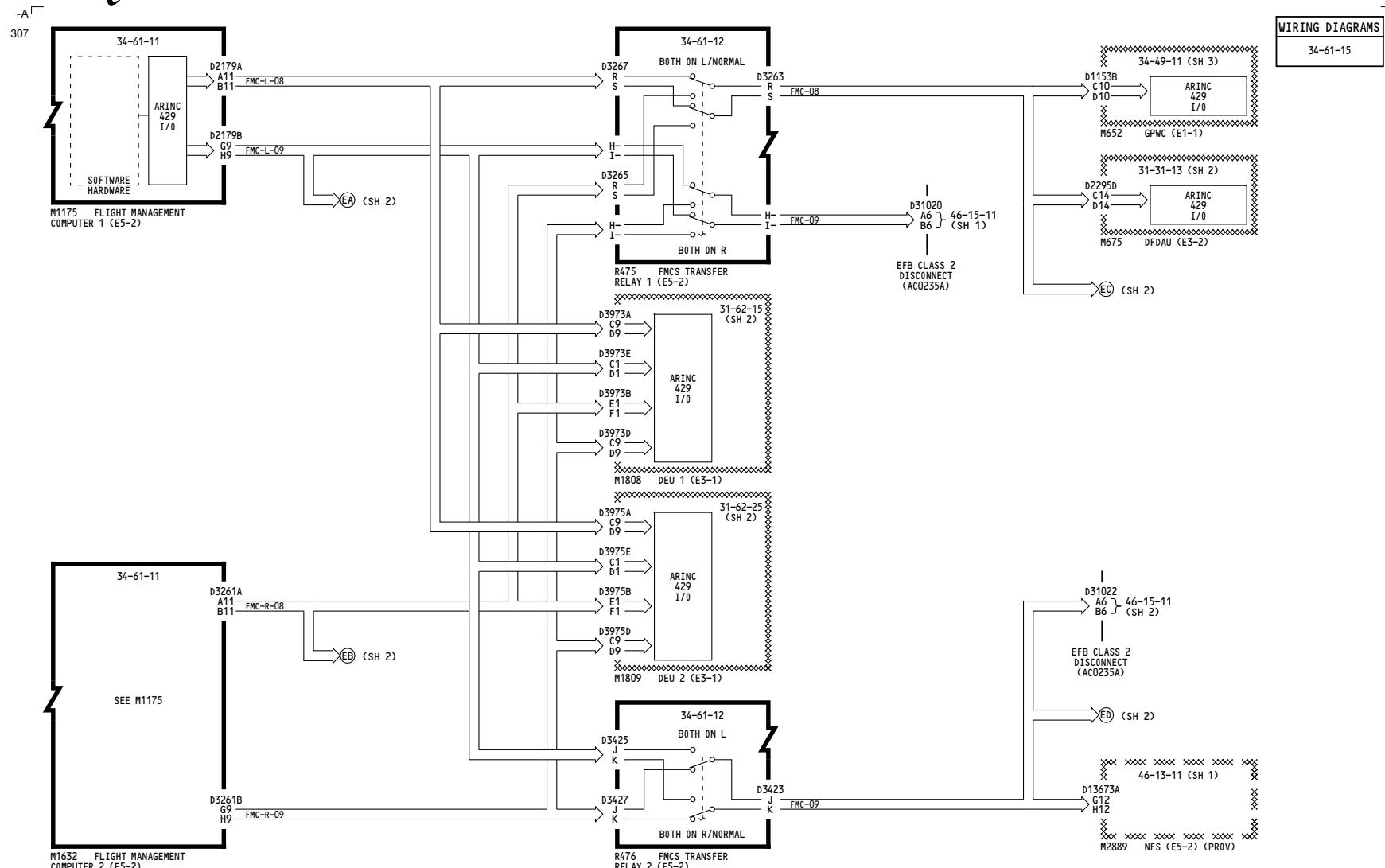
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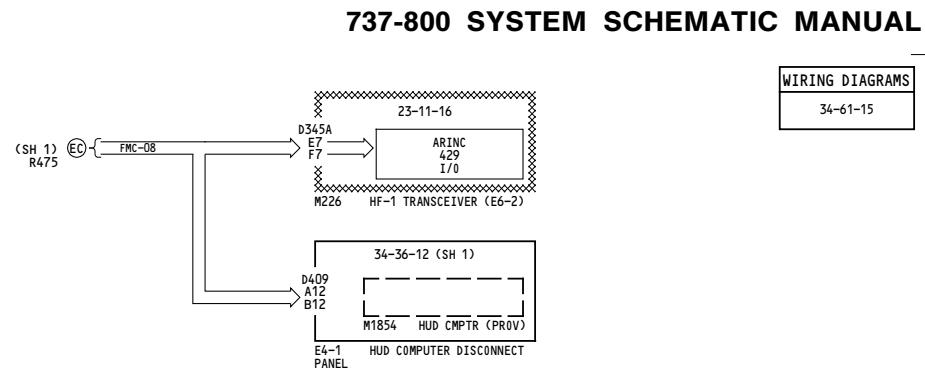
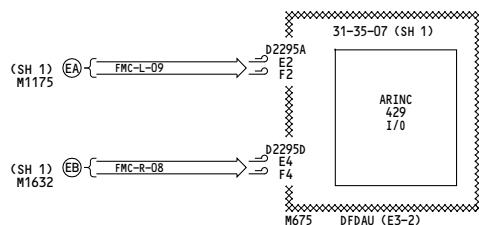
YT104-YT105

**FMCS OUTPUT BUSSES
FMC-08 AND FMC-09**

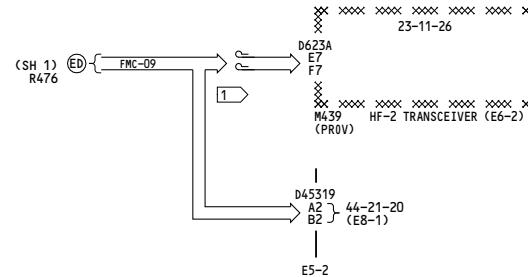
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WIRING DIAGRAMS
34-61-15


NOTES:

CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

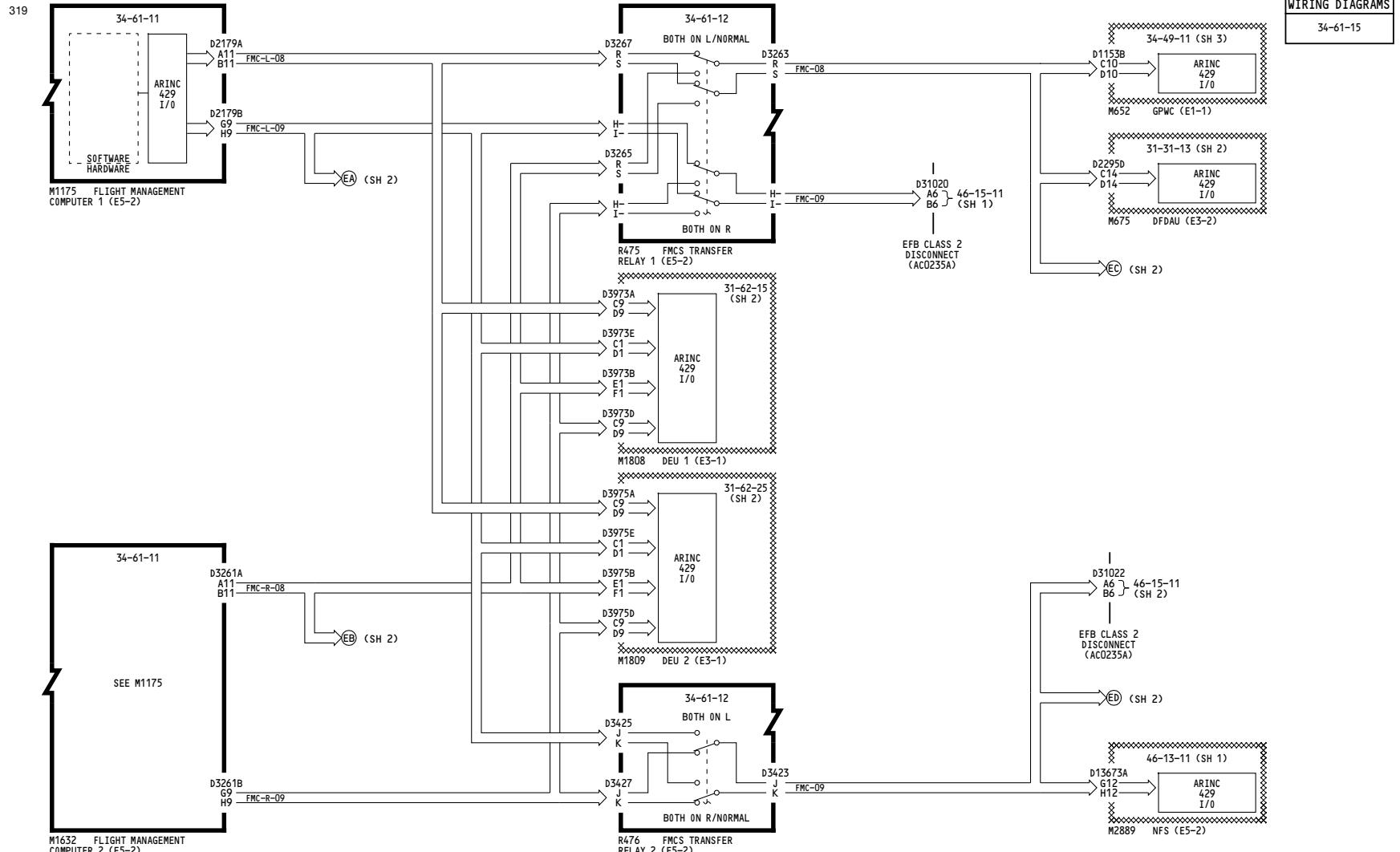
YT104-YT105

**FMCS OUTPUT BUSSES
FMC-08 AND FMC-09**

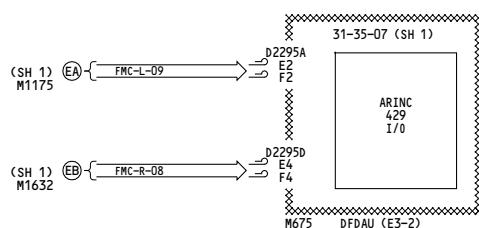
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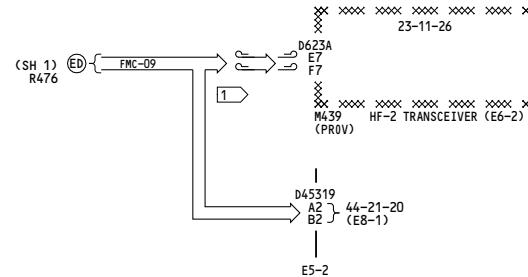
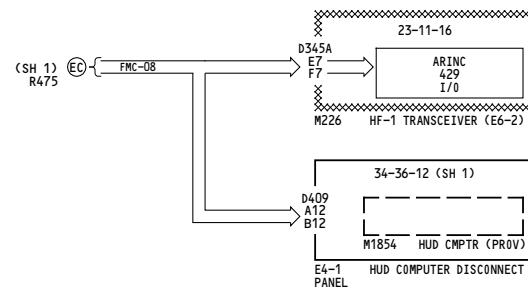

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WIRING DIAGRAMS
34-61-15


NOTES:

CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

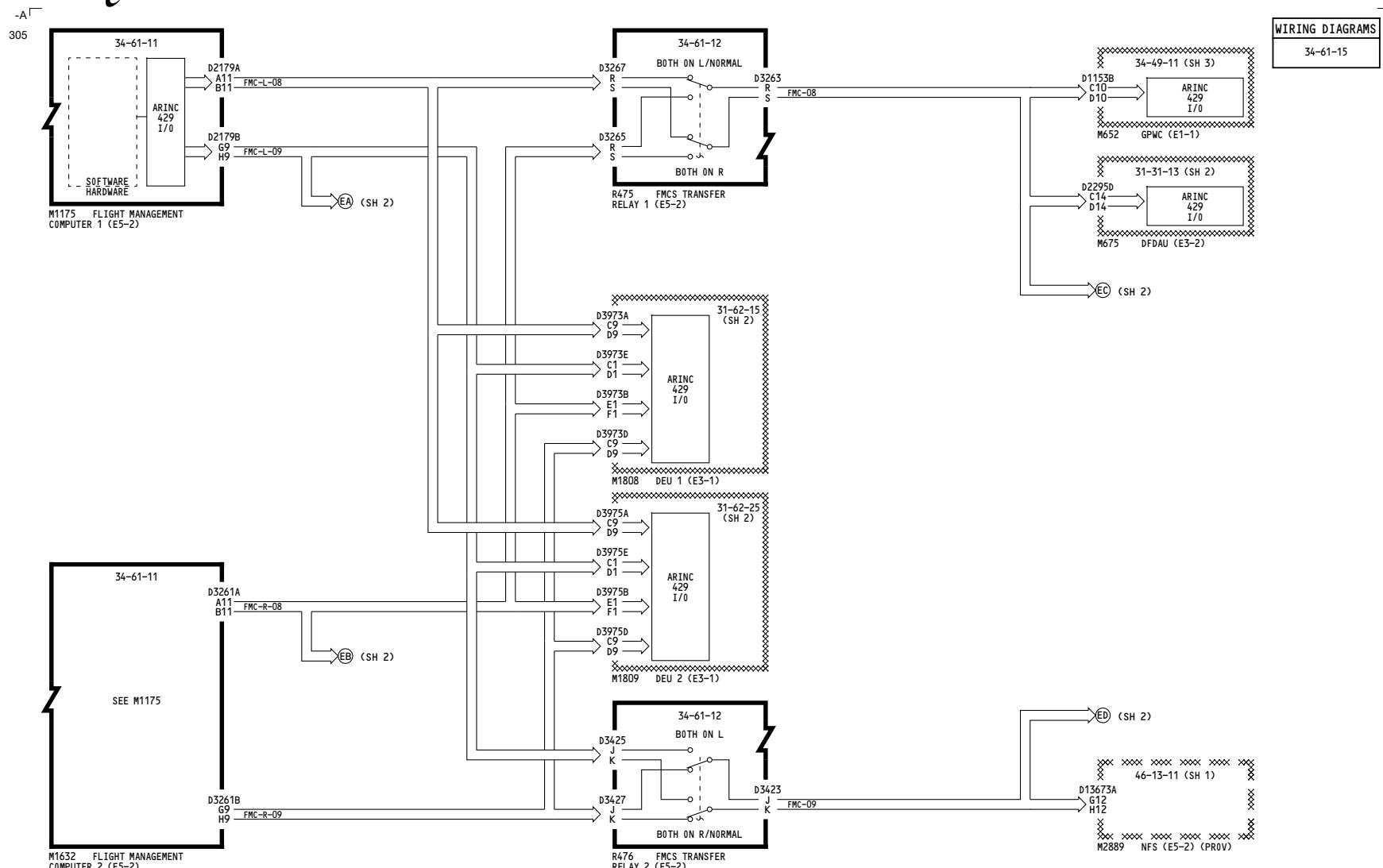
YT106-YT120

**FMCS OUTPUT BUSSES
FMC-08 AND FMC-09**

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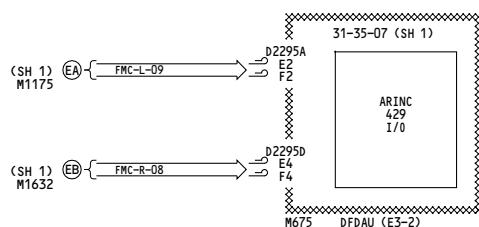
YT126-YT133

**FMCS OUTPUT BUSSES
FMC-08 AND FMC-09**

D280A451

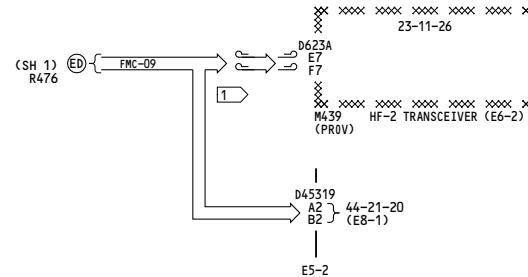
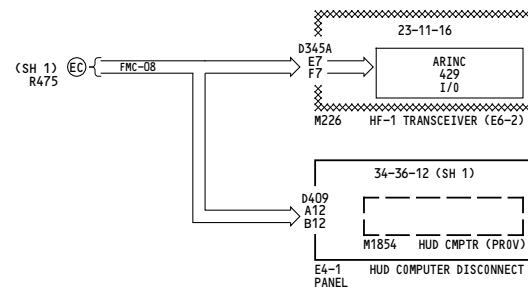
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WIRING DIAGRAMS
34-61-15


NOTES:

CAP & STOW NEAR TURNBLOCK (SEE WIRING DIAGRAM)

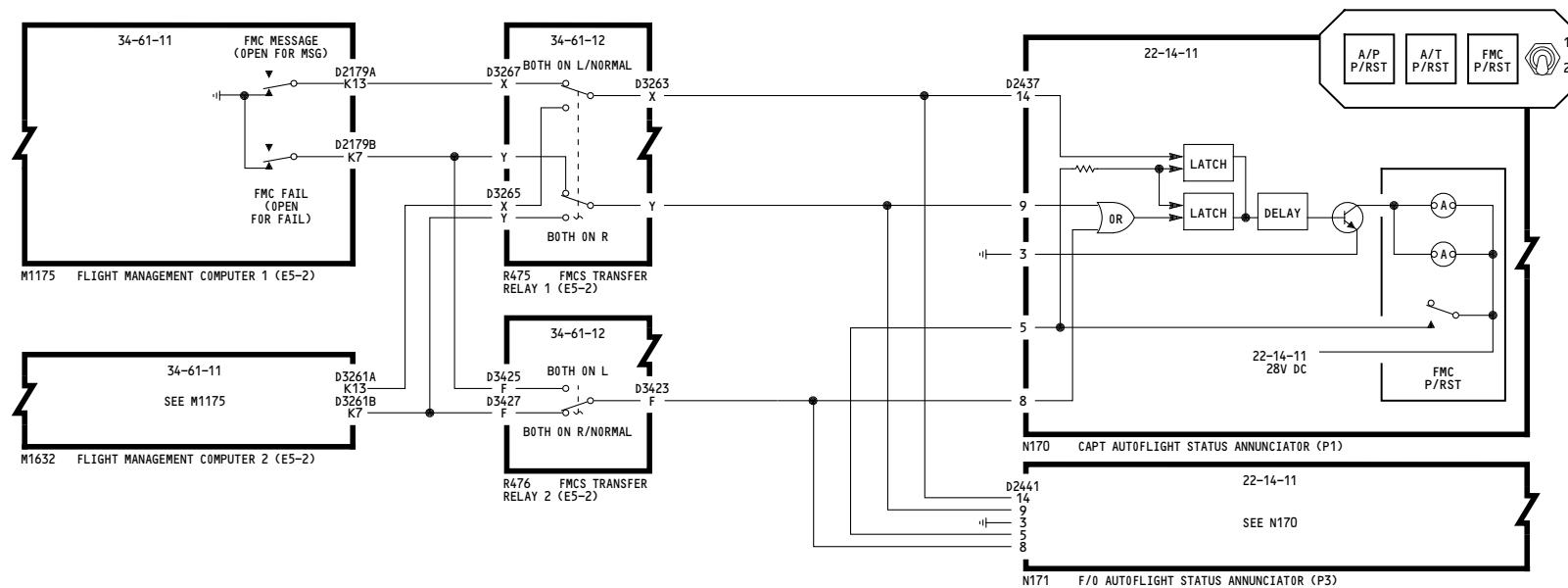
YT126-YT133

**FMCS OUTPUT BUSSES
FMC-08 AND FMC-09**

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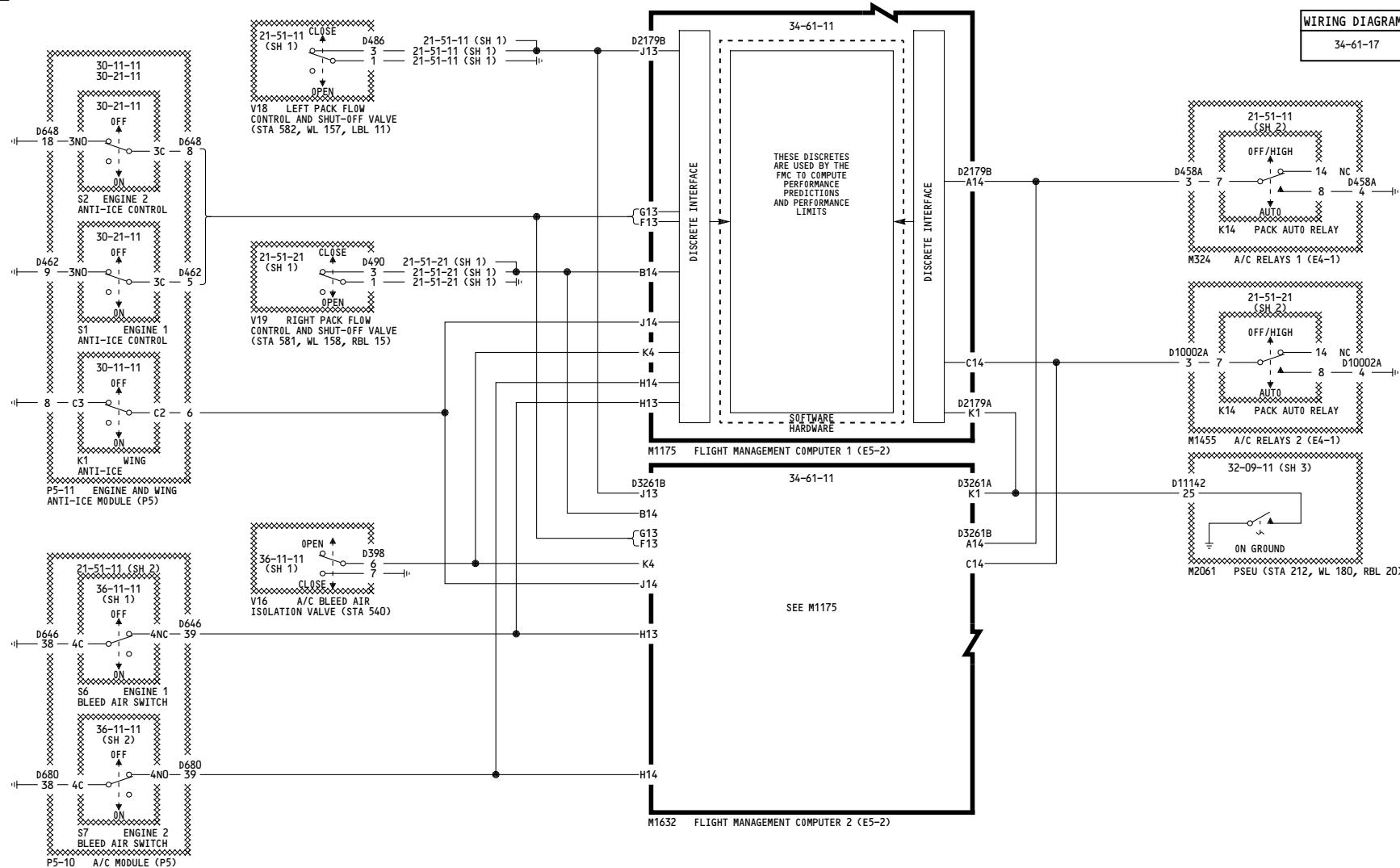
ALL	FMCS MESSAGE AND FAIL STATUS
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4

YT101-YT112, YT126-YT131

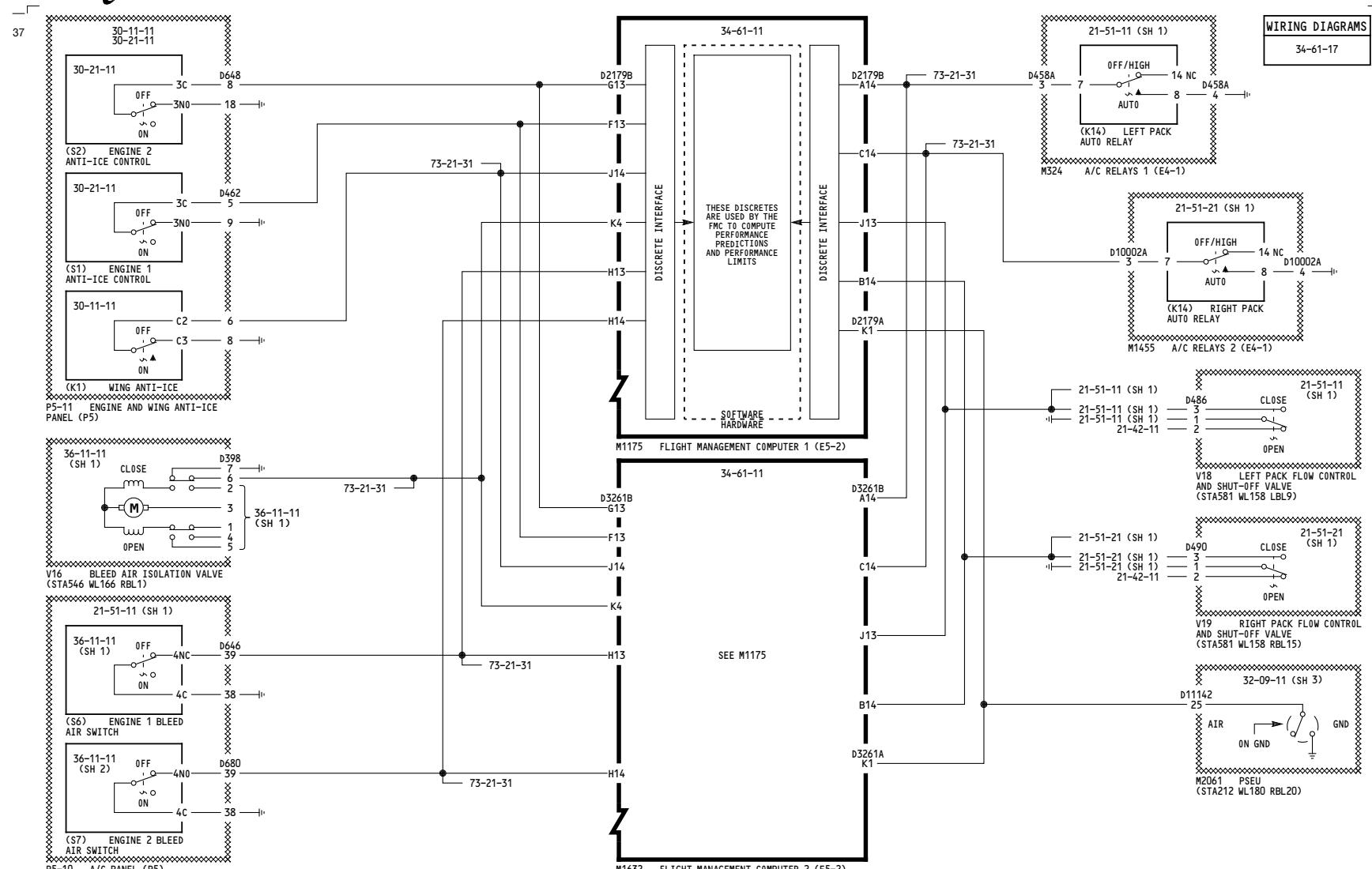
FMCS ANALOG DISCRETES

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YT113-YT115

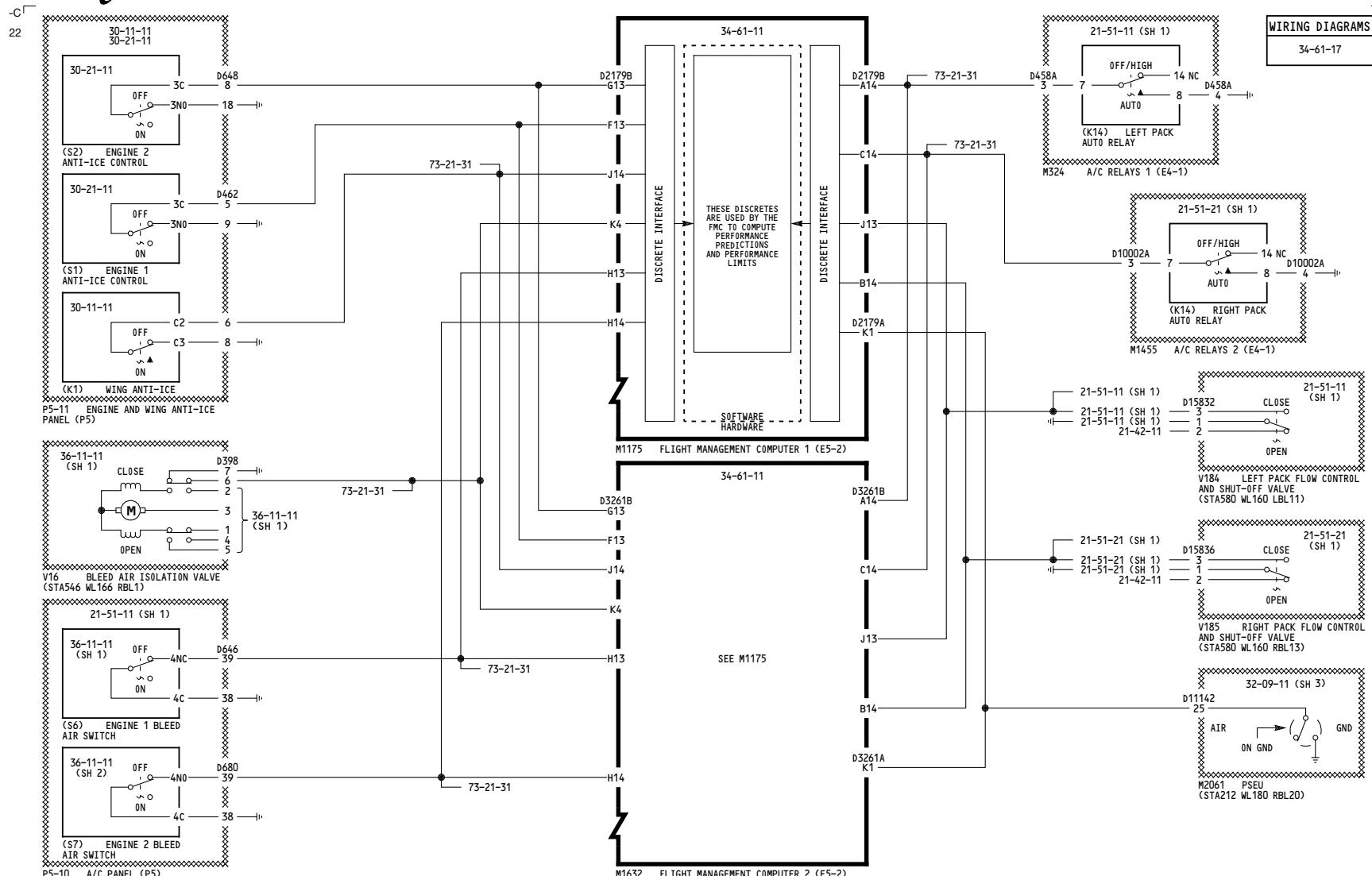
FMCS ANALOG DISCRETES

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YT116-YT120, YT132-YT133

FMCS ANALOG DISCRETES

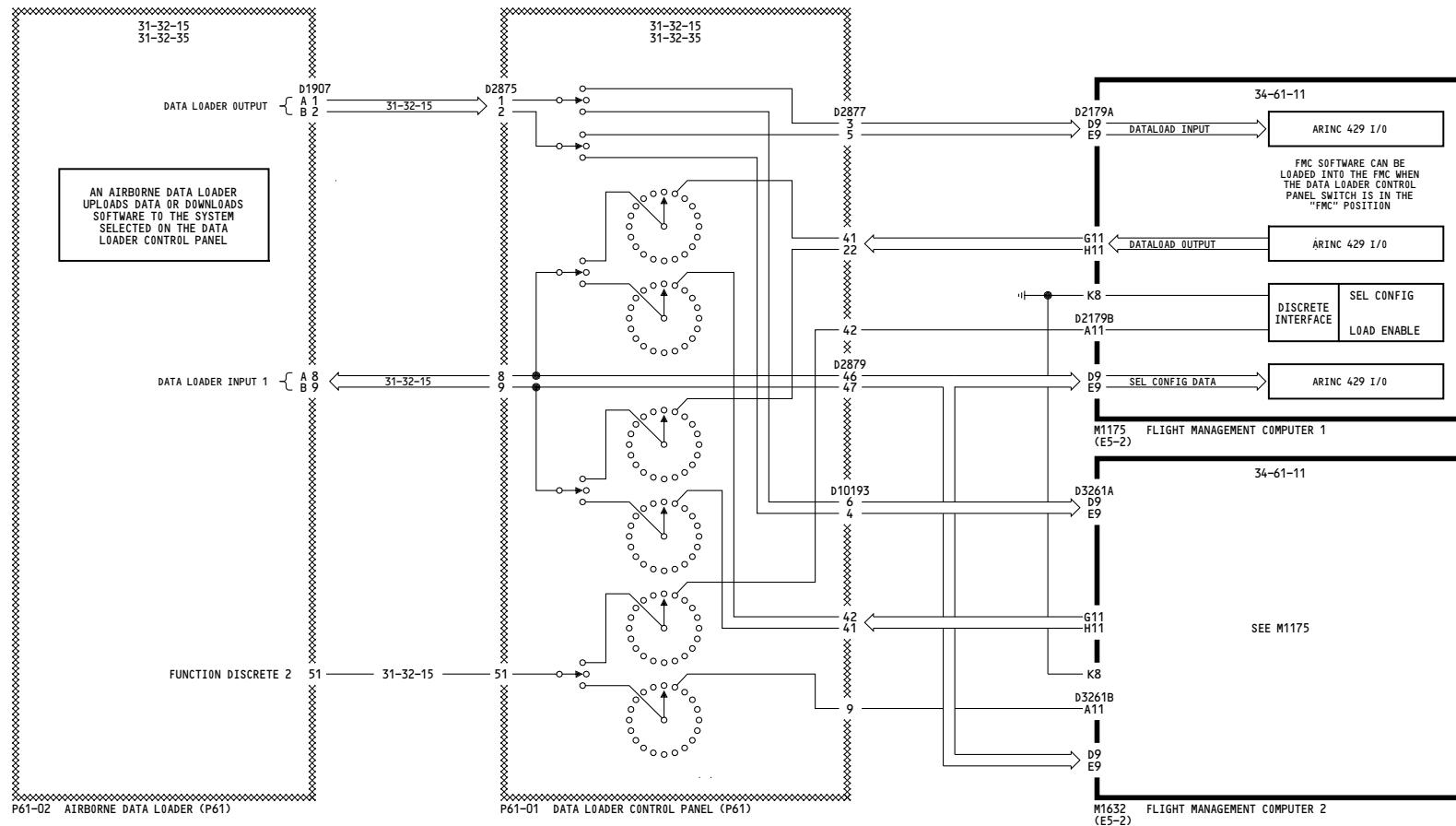
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31-32-15 (SH 1)
31-32-15 (SH 3)
34-61-18 (SH 1)
34-61-18 (SH 2)



YT101

FMCS/DATA LOADER INTERFACE

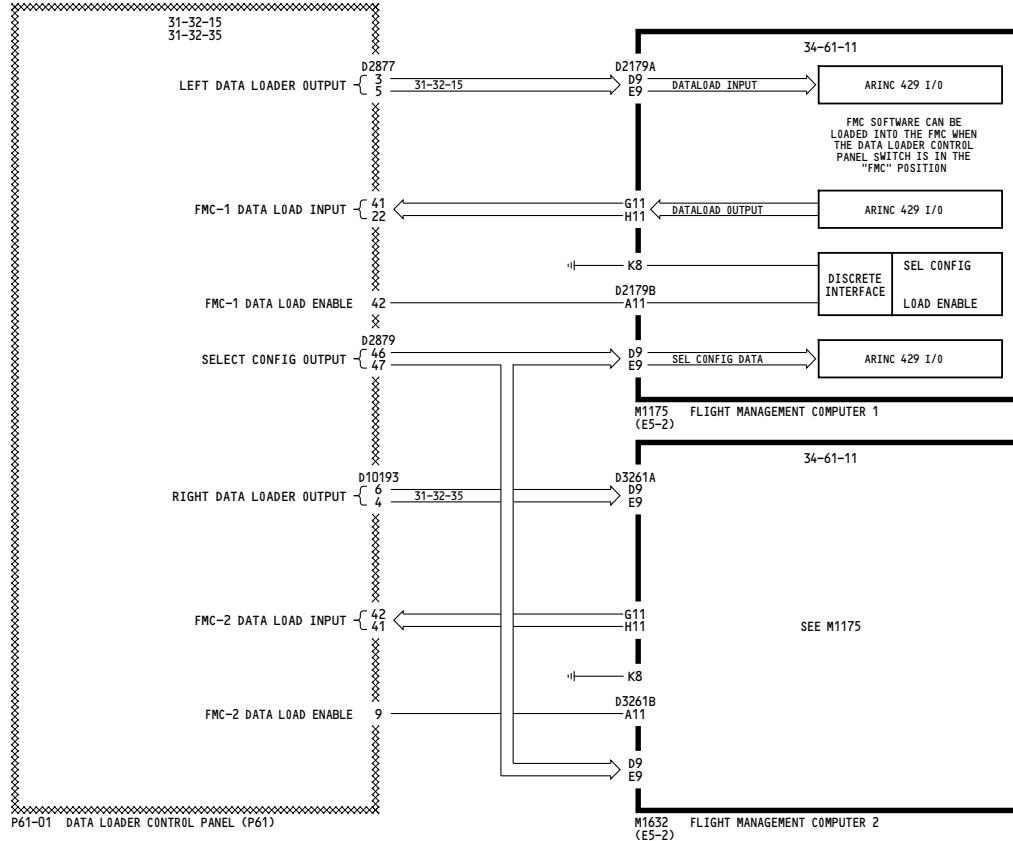
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WIRING DIAGRAMS
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YT102-YT133

FMCS/DATA LOADER INTERFACE

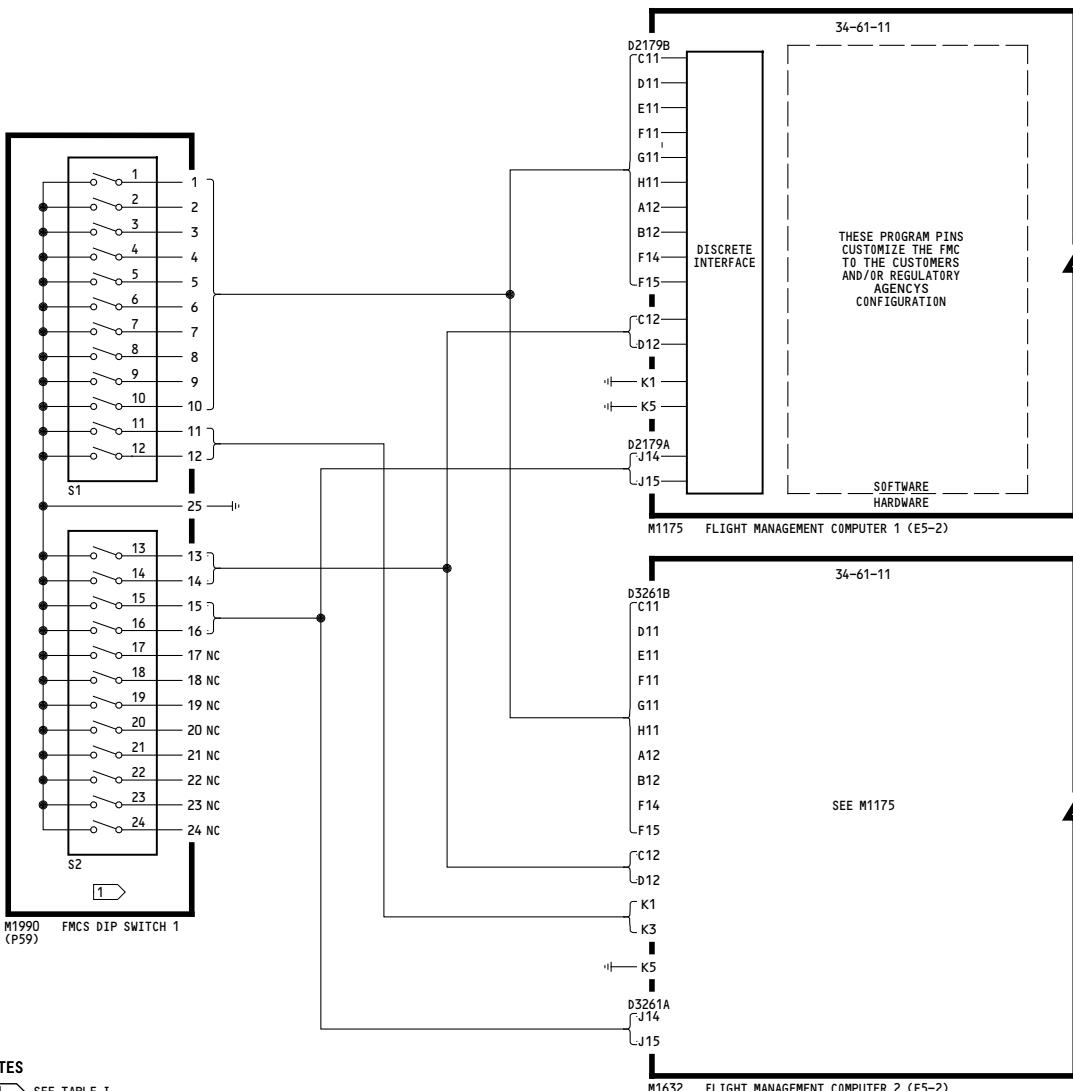
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WIRING DIAGRAMS
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NOTES

1 SEE TABLE I

YT101-YT127, YT131-YT133

FMCS PROGRAM PINS

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TABLE I: M1990 DIP SWITCH SETTINGS

DIP SW	FMC PIN	GROUND (1)	OPEN (0)	SET TO
1	C11	MEDB CONFIGURATION : 542		0
2	D11	MODEL: 737-800W.1		1
3	E11	THRUST: 26K		1
4	F11	BUMP: NONE		1
5	G11	SAC/DAC: SAC		1
6	H11	BRAKES: CAT_C/N		1
7	A12	TAILSKID: 1-POS		0
		(MEDB CONF CONTINUED ON PINS 13 TO 16)		0
8	B12	PARITY (ODD) FOR PINS 1 TO 8 AND 13 TO 16		0
9	F14	ASPIRATED TAT PROBE INSTALLED	NOT INSTALLED	0
10	F15	PERFORMANCE OPTION 1	PERFORMANCE OPTION 0	1
11	K1	FMC-2 SDI SET TO "LEFT" FOR SINGLE FMC	NORMAL FMC-2 SDI FOR DUAL FMC	0
12	K3	NORMAL FMC-2 SDI FOR DUAL FMC	FMC-2 SDI SET TO "LEFT" FOR SINGLE FMC	1
13	C12	MEDB CONFIGURATION (CONTINUED FROM PINS 1 TO 8)		
14	D12			
15	J14			
16	J15			

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WIRING DIAGRAMS
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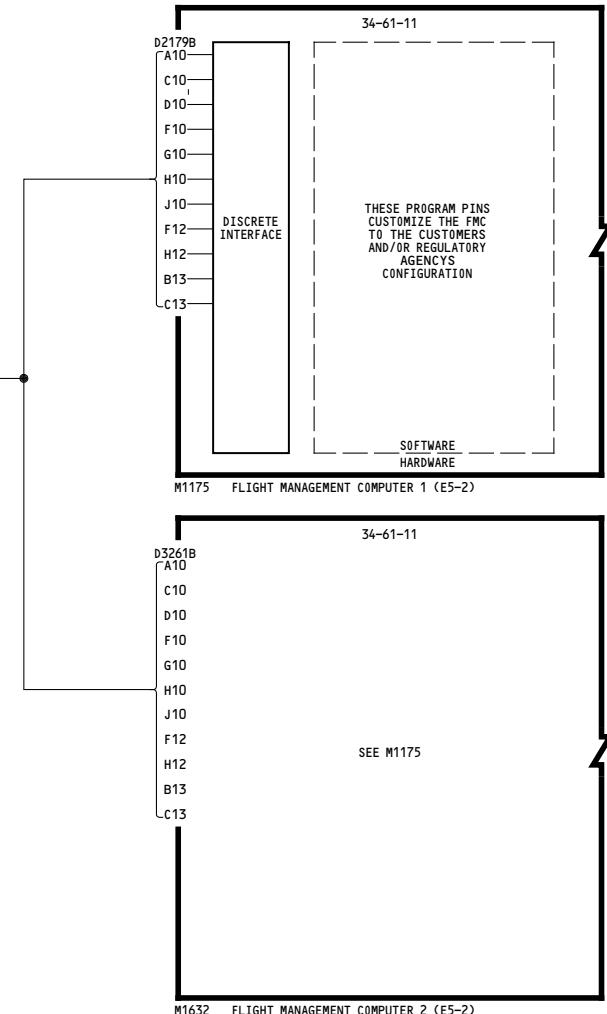
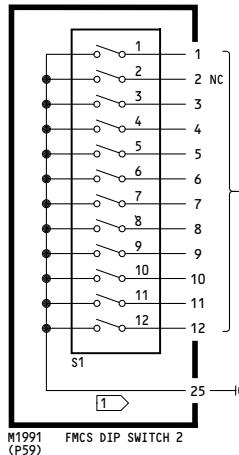


TABLE I: M1991 DIP SWITCH SETTINGS				
DIP SW	FMC PIN	GROUND (1)	OPEN (0)	SET TO
1	A10	ACARS INSTALLED	NOT INSTALLED	1
2	N/A	N/A	N/A	N/A
3	C10	SELECTED COURSE RADIAL INHIBIT ON EFIS	NOT INHIBITED	0
4	D10	DEGREES F DEFAULT	DEGREES C DEFAULT	0
5	F10	VOR TUNING INHIBITED	NOT INHIBITED	0
6	G10	FLIGHT NUMBER ENTRY	NO ENTRY	1
7	H10	NAVID SUPP (ALWAYS SET TO 1)	N/A	1
8	J10	RUNWAY POSITION UPDATE ON TO/GA	RUNWAY POSITION UPDATE VIA CDU	1
9	F12	QRH TAKEOFF SPEEDS	NO TAKEOFF SPEEDS	0
10	H12	TAKEOFF PROFILE	NO OPTION	1
11	B13	KILOGRAM OPTION	WEIGHTS IN POUNDS	1
12	C13	JAA FLIGHT RULES	FAA FLIGHT RULES	1

NOTES

SEE TABLE I

YT101-YT127, YT131-YT133

FMCS PROGRAM PINS

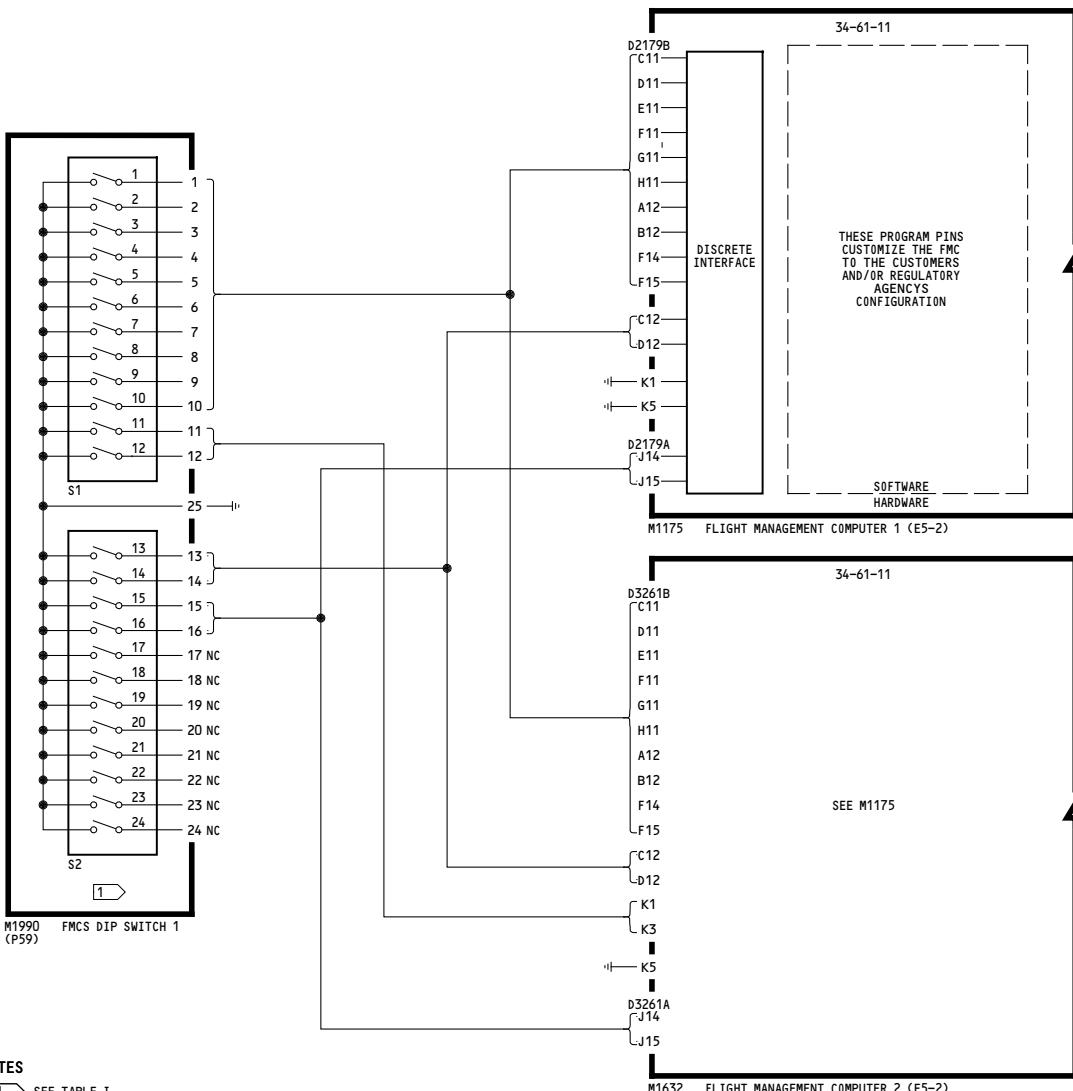
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WIRING DIAGRAMS



NOTES

1 SEE TABLE I

YT128-YT130

FMCS PROGRAM PINS

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TABLE I: M1990 DIP SWITCH SETTING

TABLE II: 1977-8 DEL. SWITCH SETTINGS			
DIP SW	FMC PIN	GROUND (1)	OPEN (0)
1	C11	MEDB CONFIGURATION : 541 MODEL: 737-800W.1 THRUST: 24K BUMP: NONE SAC/DAC: SAC BRAKES: CAT_C/N TAILSKID: 1-POS	1
2	D11		0
3	E11		1
4	F11		1
5	G11		1
6	H11		0
7	A12		0
8	B12		(MEDB CONF CONTINUED ON PINS 13 TO 16)
9	F14	ASPIRATED TAT PROBE INSTALLED	NOT INSTALLED
10	F15	PERFORMANCE OPTION 1	PERFORMANCE OPTION 0
11	K1	FMC-2 SDI SET TO "LEFT" FOR SINGLE FMC	NORMAL FMC-2 SDI FOR DUAL FMC
12	K3	NORMAL FMC-2 SDI FOR DUAL FMC	FMC-2 SDI SET TO "LEFT" FOR SINGLE FMC
13	C12	MEDB CONFIGURATION (CONTINUED FROM PINS 1 TO 8)	
14	D12	0	
15	J14	1	
16	J15	0	

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WIRING DIAGRAMS
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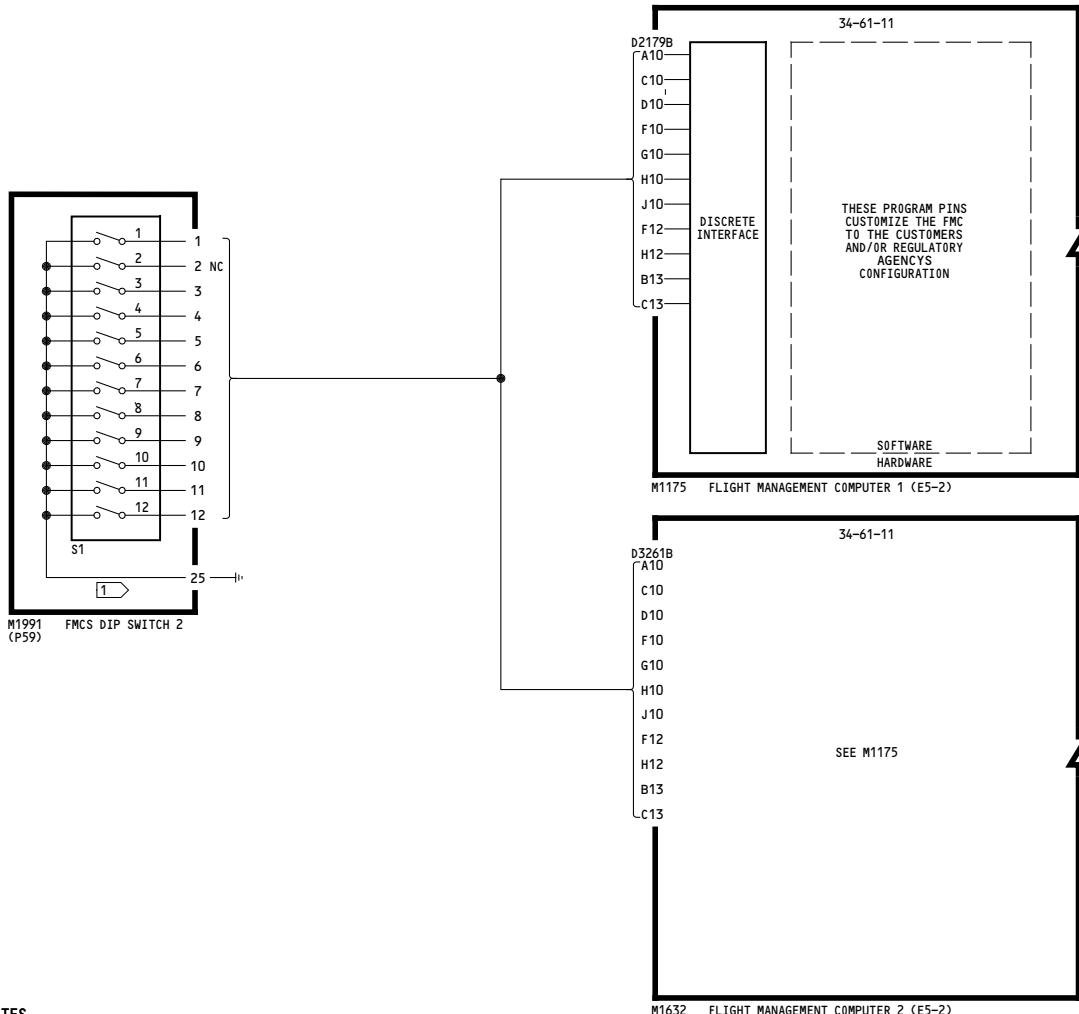


TABLE I: M1991 DIP SWITCH SETTINGS				
DIP SW	FMC PIN	GROUND (1)	OPEN (0)	SET TO
1	A10	ACARS INSTALLED	NOT INSTALLED	1
2	N/A	N/A	N/A	N/A
3	C10	SELECTED COURSE RADIAL INHIBIT ON EFIS	NOT INHIBITED	0
4	D10	DEGREES F DEFAULT	DEGREES C DEFAULT	0
5	F10	VOR TUNING INHIBITED	NOT INHIBITED	0
6	G10	FLIGHT NUMBER ENTRY	NO ENTRY	1
7	H10	NAVID SUPP (ALWAYS SET TO 1)	N/A	1
8	J10	RUNWAY POSITION UPDATE ON TO/GA	RUNWAY POSITION UPDATE VIA CDU	1
9	F12	QRH TAKEOFF SPEEDS	NO TAKEOFF SPEEDS	0
10	H12	TAKEOFF PROFILE	NO OPTION	1
11	B13	KILOGRAM OPTION	WEIGHTS IN POUNDS	1
12	C13	JAA FLIGHT RULES	FAA FLIGHT RULES	1

NOTES

SEE TABLE I

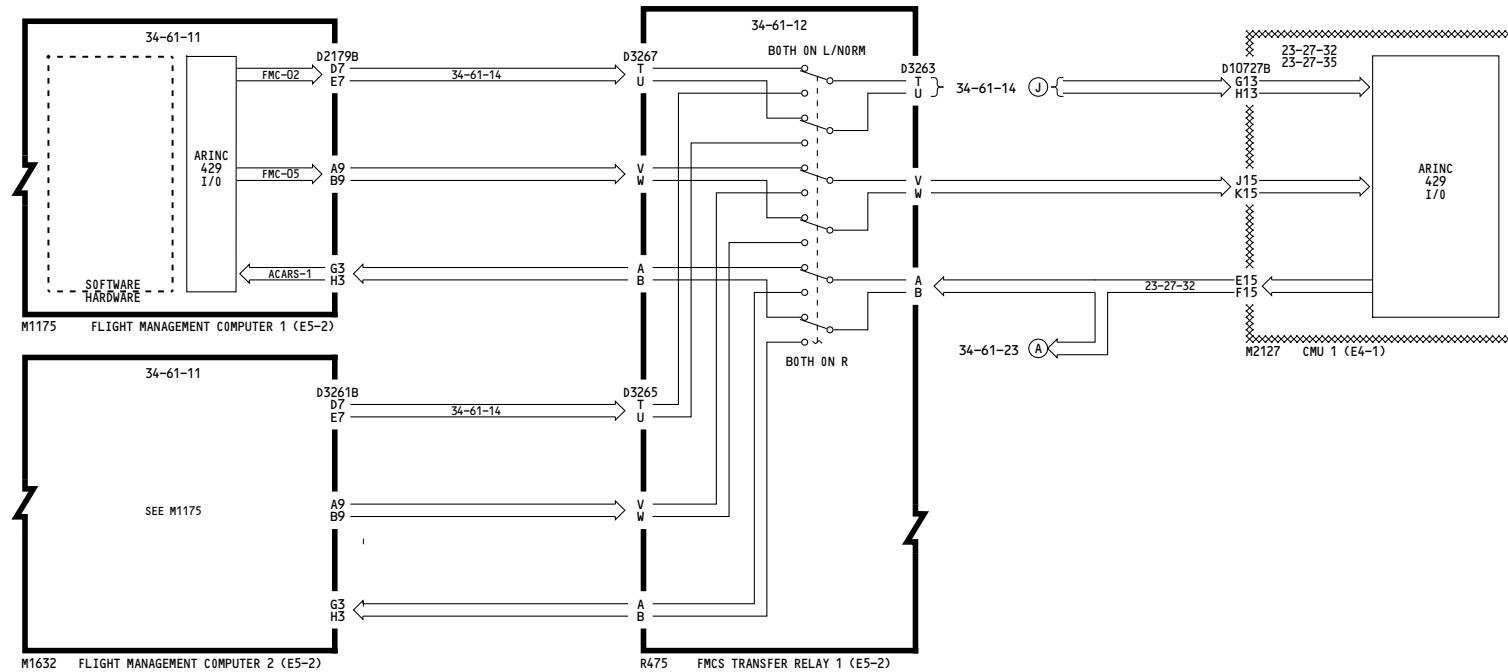
YT128-YT130

FMCS PROGRAM PINS

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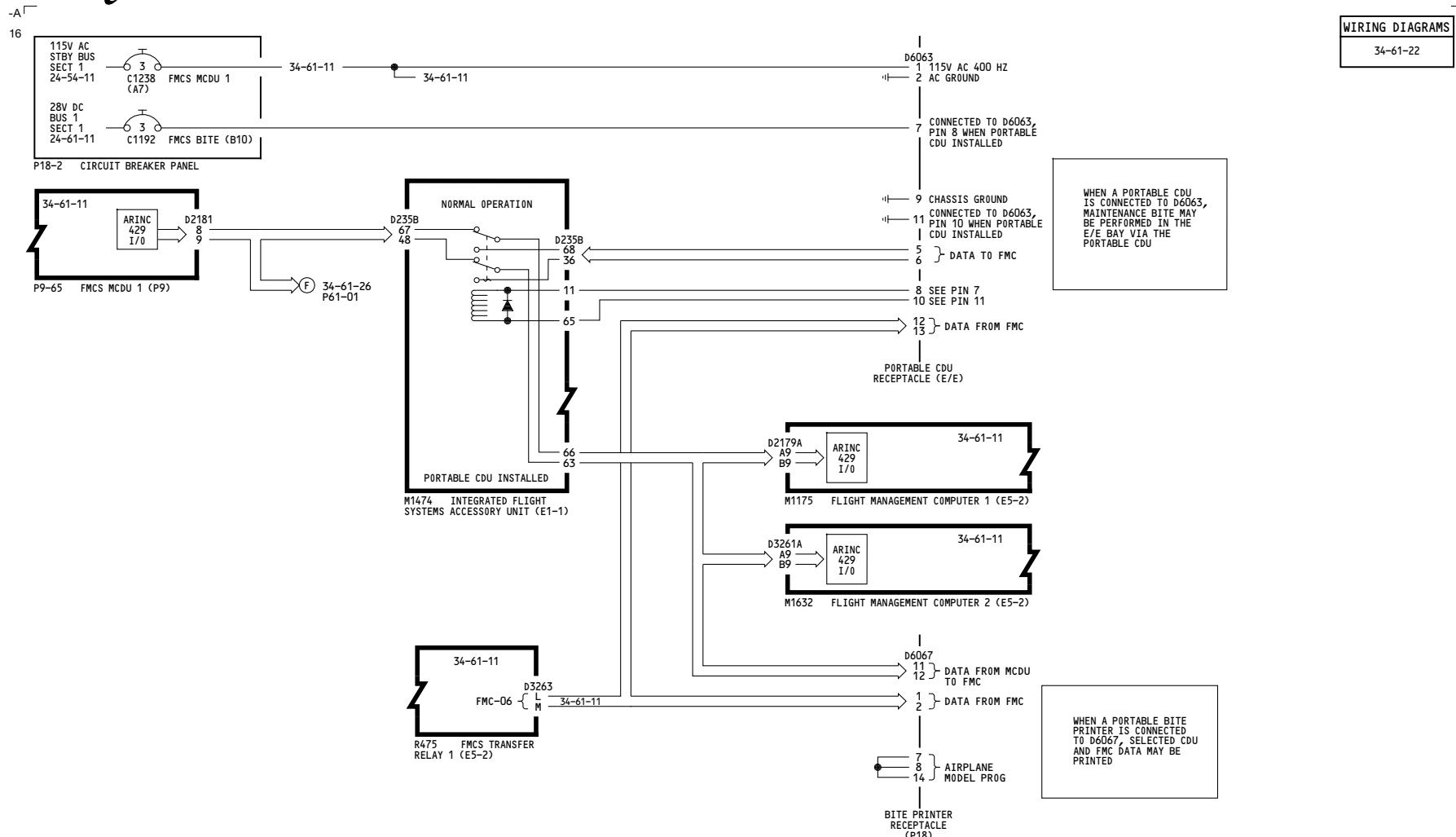
ALL	FMCS INTERFACE WITH ACARS
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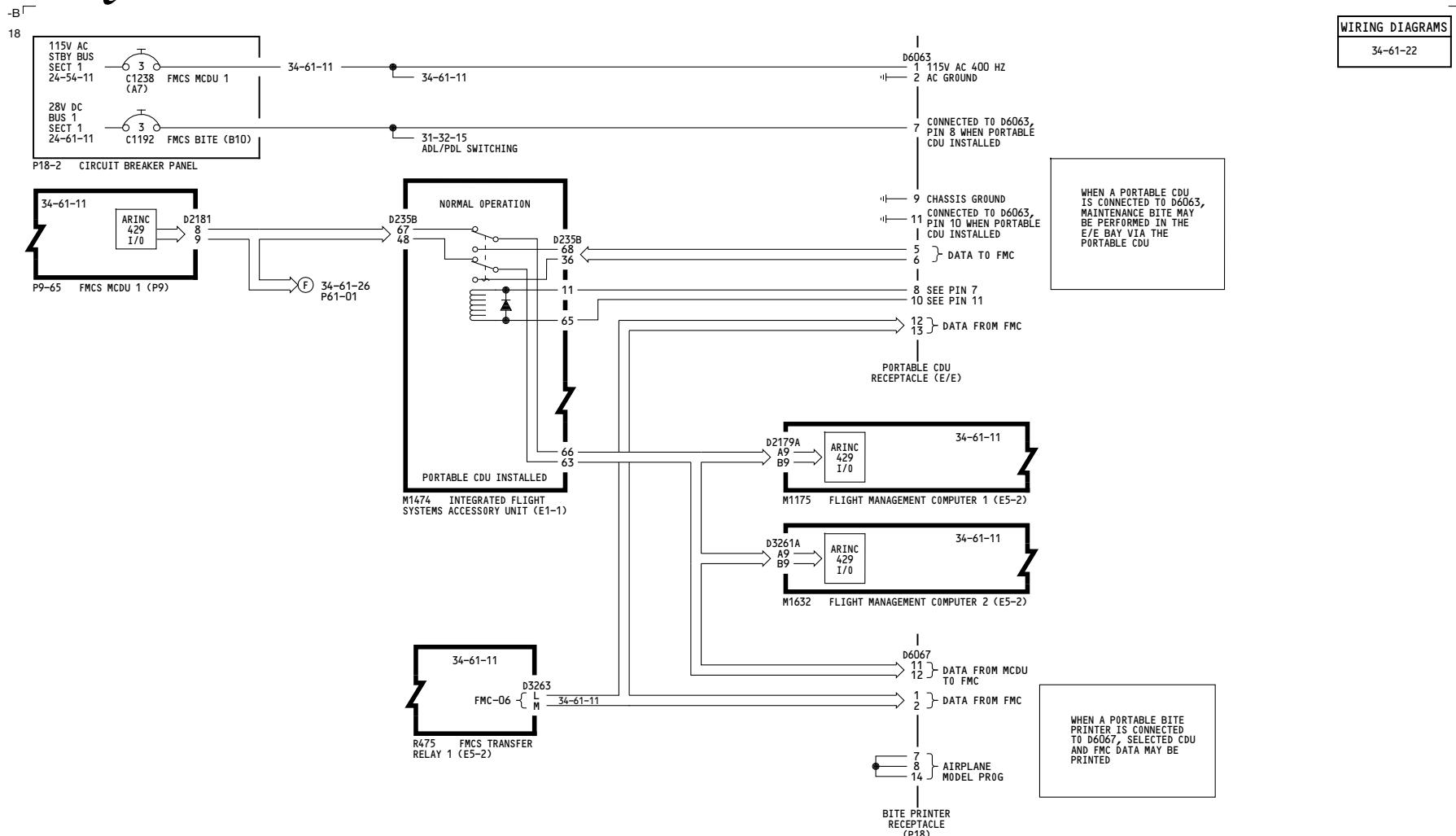
FMCS BITE PRINTER AND PORTABLE CDU RECEPTACLES

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FMCS BITE PRINTER AND PORTABLE CDU RECEPTACLES

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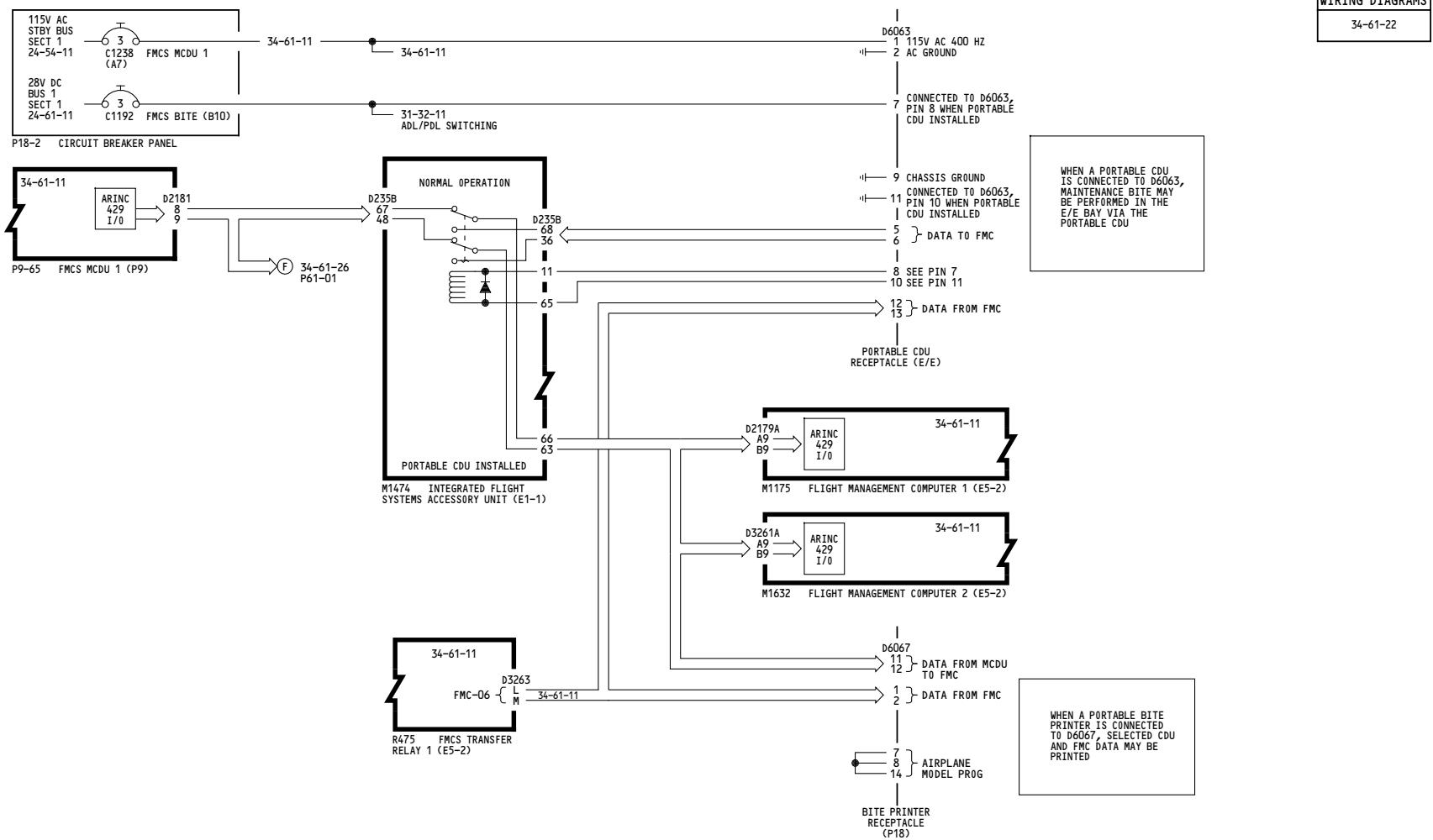
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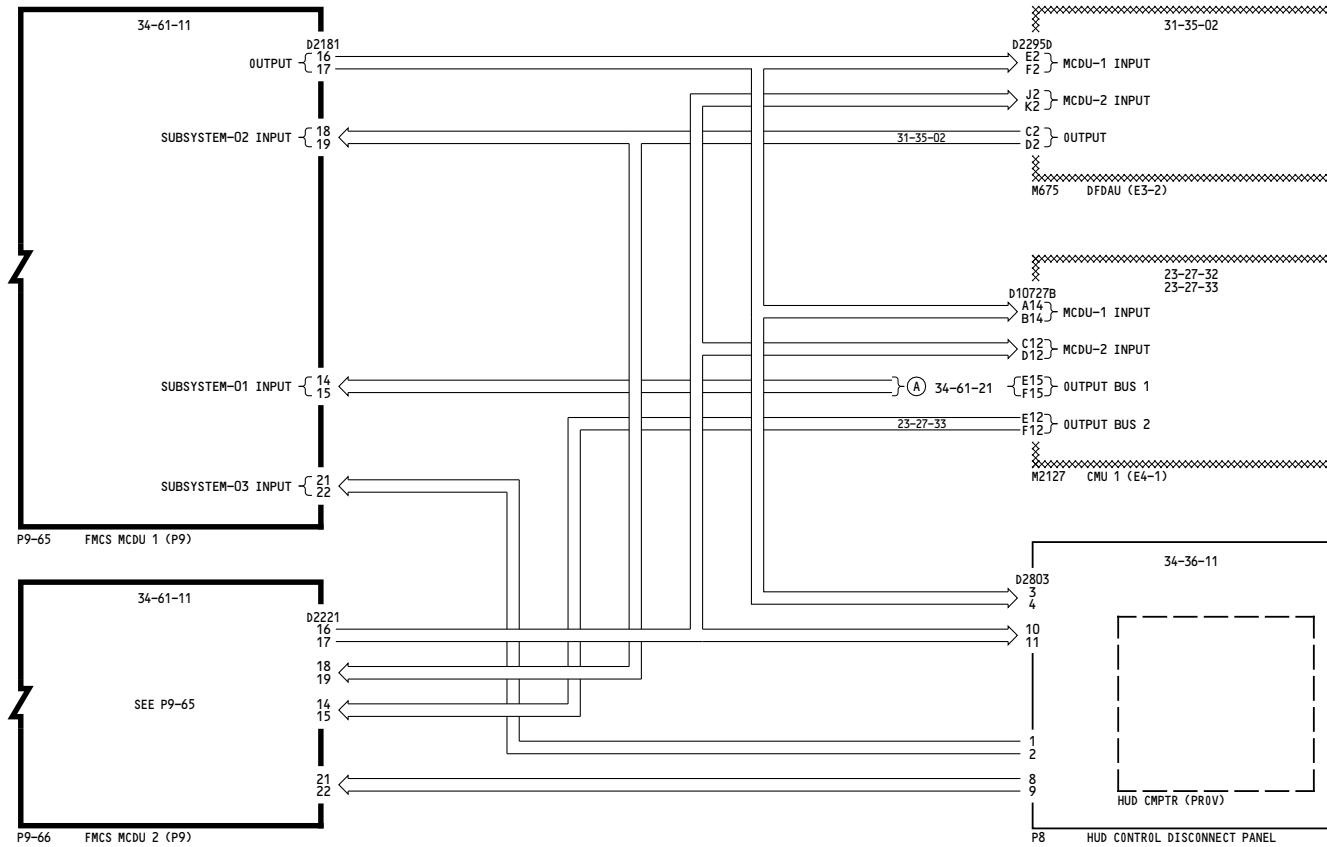
FMCS BITE PRINTER AND PORTABLE CDU RECEPTACLES

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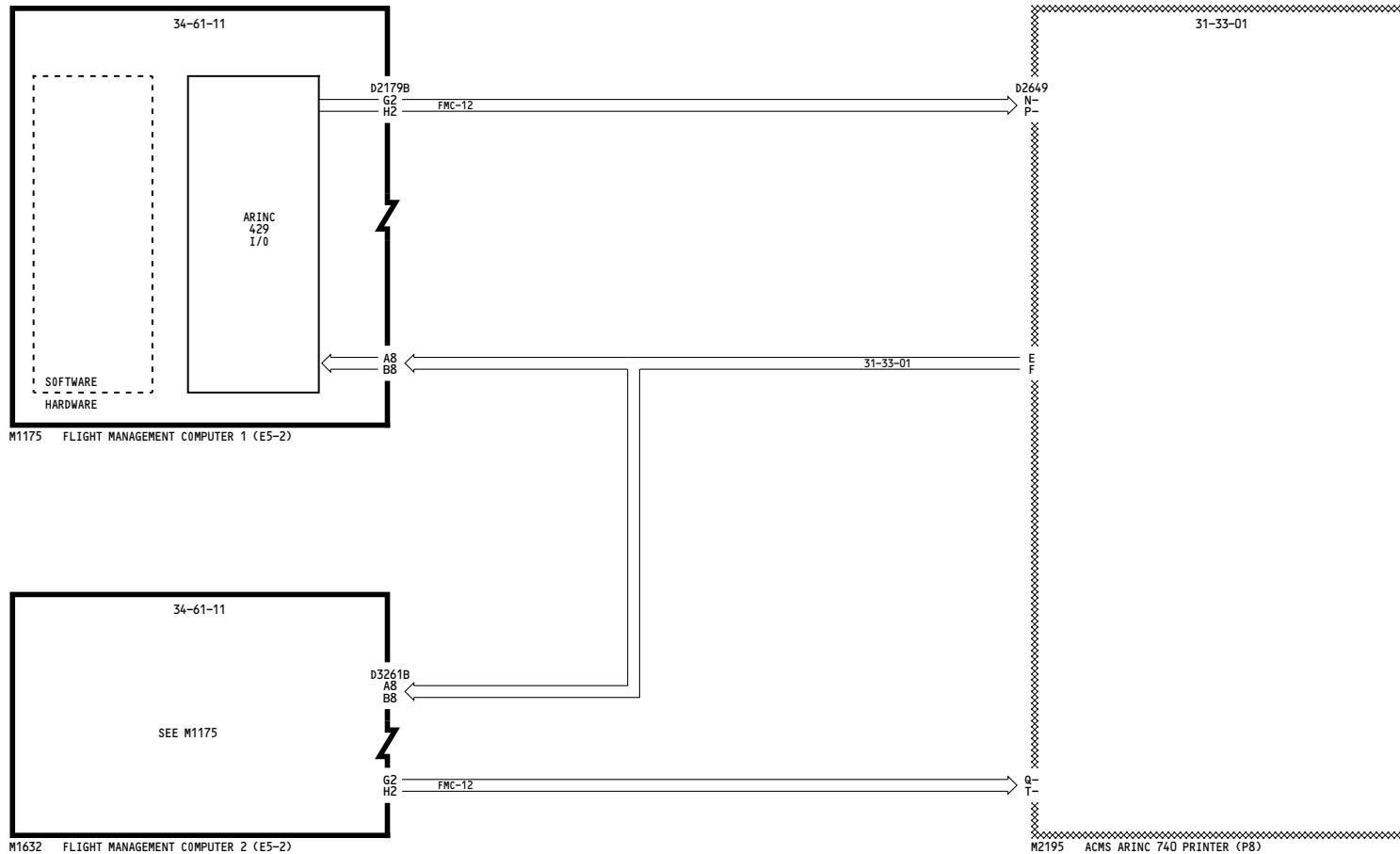
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ALL

FMCS INTERFACE WITH ARINC 740/744 PRINTER

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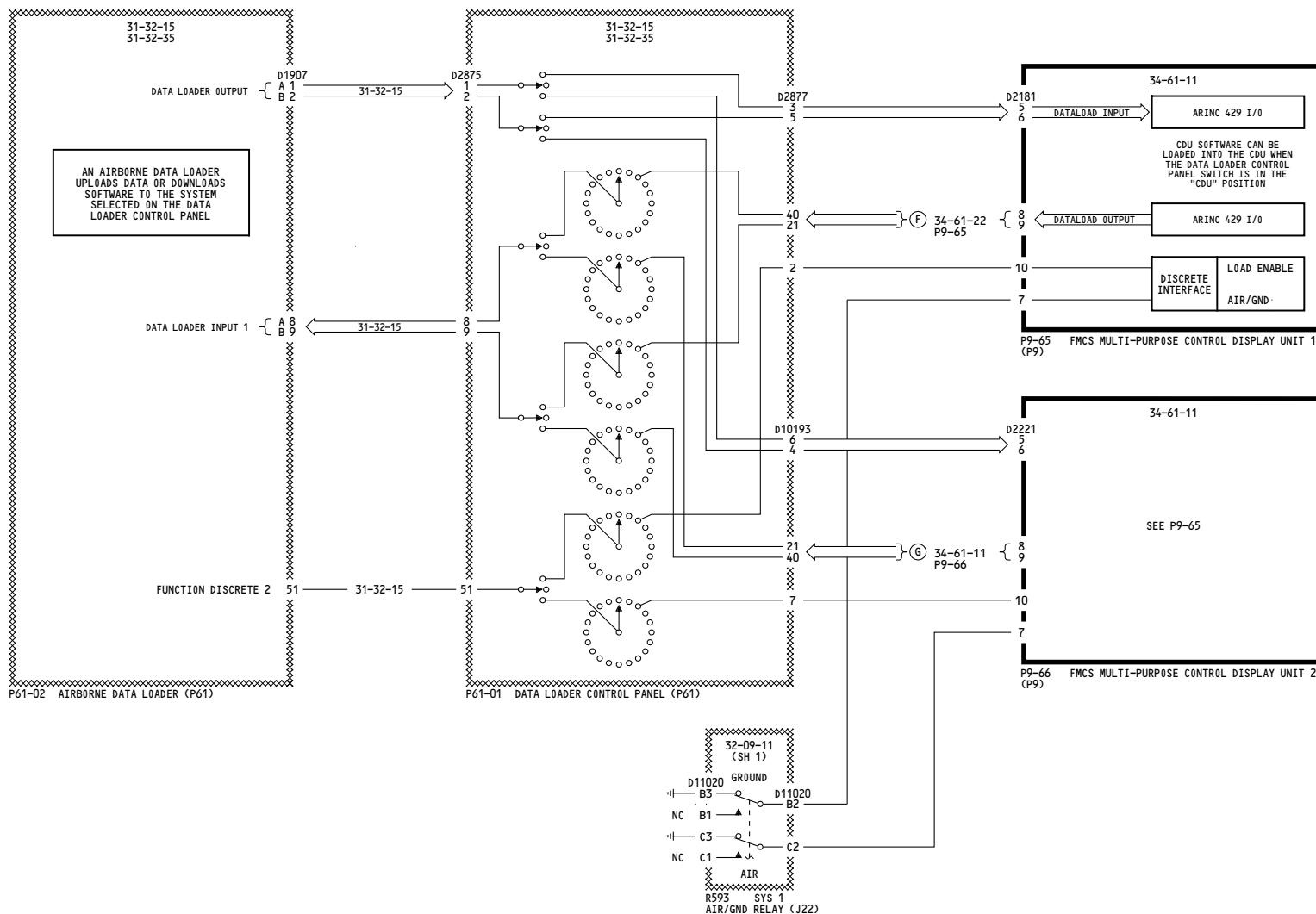
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YT101

CDU/MCDU/DATA LOADER INTERFACE

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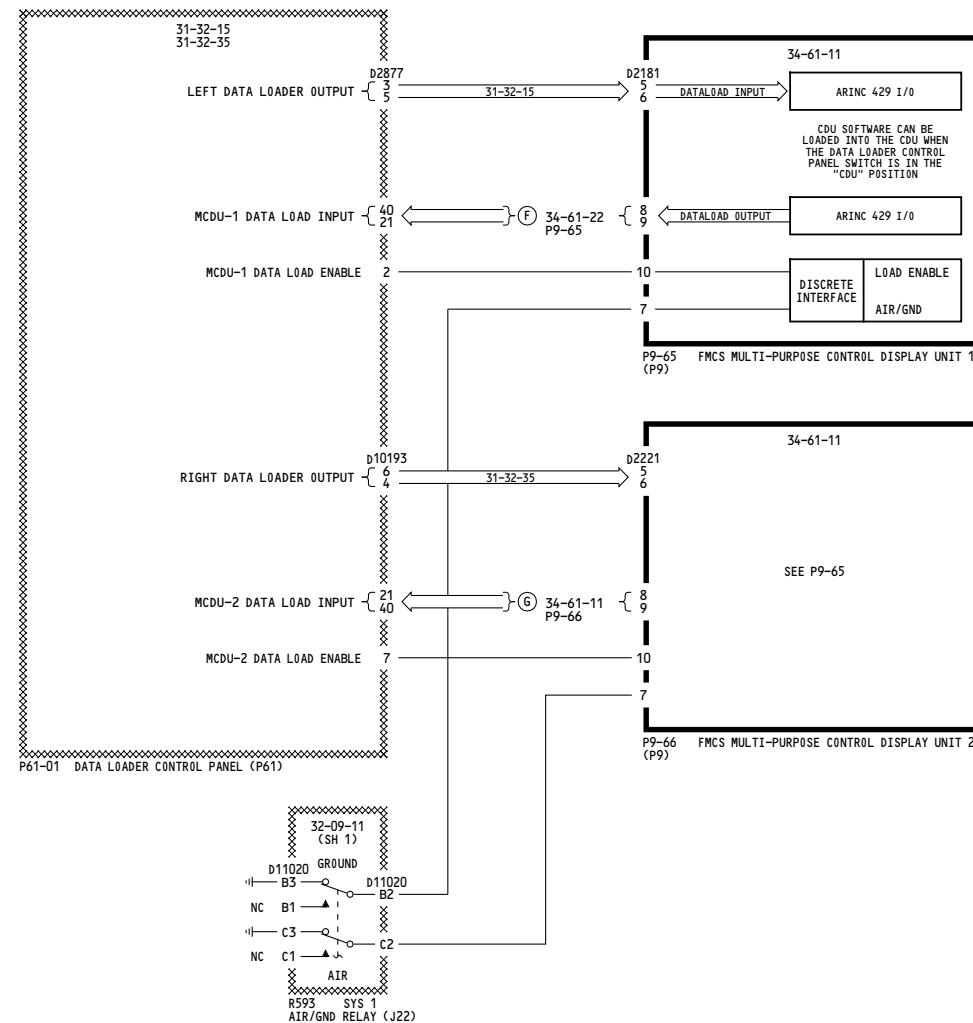
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