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| TRAFFIC ALERT AND COLL AVD SYSTEM (TCAS) CONTROL AND DISPLAY | 34-45-02 | | 101.1 | | Jan 21/2005 | 002 | |
| | | | 102.1 | | Jan 21/2005 | 009-011 | |
| <u>GROUND PROXIMITY WARNING SYSTEM</u> | | | | | | | |
| GROUND PROXIMITY WARNING SYSTEM | 34-46-01 | | 101 | 1 | Jan 21/2005 | 001-008 010-099 | |
| | | | | 2 | Jan 21/2005 | 001-008 010-099 | |
| | | | 101.1 | 1 | Jan 21/2005 | 002 | |
| | | | | 2 | Dec 18/2007 | 002 | |
| | | | | 3 | Jan 21/2005 | 002 | |
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| | | | | 102 | 1 | Jan 21/2005 | 009 |
| | | | | 2 | Jan 21/2005 | 009 | |
| | | | | 103 | 1 | Jan 21/2005 | 115-199 |
| | | | | 2 | Jan 21/2005 | 115-199 | |
| <u>VOR SYSTEM</u> | | | | | | | |
| LEFT VOR | 34-51-01 | | | 101 | Jan 21/2005 | 001 009 | |
| | | | | 102 | Dec 18/2007 | 002-008 010-099 | |
| | | | | 103 | Jan 21/2005 | 115-199 | |
| RIGHT VOR | 34-51-02 | | | 101 | Jan 21/2005 | 001 009 | |
| | | | | 102 | Jan 21/2005 | 002-008 010-099 | |
| | | | | 103 | Jan 21/2005 | 115-199 | |
| <u>ATC SYSTEM</u> | | | | | | | |
| ATC TRANSPONDER - LEFT | 34-53-01 | | | 101 | Jan 21/2005 | 001-002 | |
| | | | | 102 | Aug 01/2005 | 003-006 | |
| | | | | 103 | Aug 01/2005 | 007-099 | |
| | | | | 104 | Jan 21/2005 | 115-199 | |
| ATC TRANSPONDER - RIGHT | 34-53-02 | | | 101 | Jan 21/2005 | 001-002 | |
| | | | | 102 | Jan 21/2005 | 003-006 | |
| | | | | 103 | Jan 21/2005 | 007-099 | |
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| ATC ANTENNA SELECT | 34-53-03 | | | 101 | Jan 21/2005 | ALL | |

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| <u>DME SYSTEM</u> | | | | | | |
| DME - LEFT | 34-55-01 | | 101 | | Jan 21/2005 | 001 009 |
| | | | 102 | | Jan 21/2005 | 002-008 010-099 |
| | | | 103 | | Jan 21/2005 | 115-199 |
| DME - RIGHT | 34-55-02 | | 101 | | Jan 21/2005 | 001 009 |
| | | | 102 | | Dec 18/2007 | 002-008 010-099 |
| | | | 103 | | Jan 21/2005 | 115-199 |
| <u>AUTOMATIC DIRECTION FINDER SYSTEM</u> | | | | | | |
| ADF - LEFT | 34-57-01 | | 101 | | Jan 21/2005 | 001 |
| | | | 102 | | Jan 21/2005 | 002-008 010-099 |
| | | | 103 | | Jan 21/2005 | 009 |
| | | | 104 | | Jan 21/2005 | 115-199 |
| ADF - RIGHT | 34-57-02 | | 101 | | Jan 21/2005 | 001 |
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| GLOBAL POSITIONING SYSTEM LEFT | 34-58-01 | | 101.1 | | Jan 21/2005 | 002 |
| GLOBAL POSITIONING SYSTEM RIGHT | 34-58-02 | | 101.1 | | Jan 21/2005 | 002 |
| <u>FLIGHT MANAGEMENT COMPUTING</u> | | | | | | |
| FLIGHT MANAGEMENT COMPUTER | 34-60-01 | | 101 | 1 | Jan 21/2005 | ALL |
| | | 2 | | Jan 21/2005 | ALL | |
| FMCS MAINTENANCE INDEX | 34-60-02 | | 101 | 1 | Jan 21/2005 | 001-008 010-099 |



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| | | | | 3 | Jan 21/2005 | 001-008 010-099 | |
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| | | | | 2 | Jan 21/2005 | 009 | |
| | | | | 3 | Jan 21/2005 | 009 | |
| | | | | 103 | 1 | Jan 21/2005 | 115-199 |
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| | | | | 3 | Jan 21/2005 | 115-199 | |
| | | | | <u>FLIGHT MANAGEMENT COMPUTER SYSTEM</u> | | | |
| FLIGHT MANAGEMENT CMPTR SYSTEM (LEFT - RIGHT FMCS) - SIMPLIFIED | 34-61-00 | | 101 | 1 | Jan 21/2005 | 001-099 | |
| | | | | 2 | Jan 21/2005 | 001-099 | |
| LEFT FMC INPUTS | 34-61-01 | | 101 | 1 | Jan 21/2005 | 001-008 010-099 | |
| | | | | 2 | Jan 21/2005 | 001-008 010-099 | |
| | | | | 102 | 1 | Jan 21/2005 | 009 |
| | | | | 2 | Jan 21/2005 | 009 | |
| | | | | 103 | 1 | Jan 21/2005 | 115-199 |
| | | | | 2 | Jan 21/2005 | 115-199 | |
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| | | | | 2 | Oct 09/2008 | 115 | |
| LEFT FMC OUTPUTS | 34-61-02 | | 101 | 1 | Jan 21/2005 | 001-008 115-199 | |
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| LEFT FMC OUTPUTS | 34-61-02 | | 101.1 | 1 | Oct 09/2008 | 003 | |



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| LEFT FMC OUTPUTS (cont.) | 34-61-02 | | | 2 | Oct 09/2008 | 003 |
| LEFT FMC OUTPUTS | 34-61-02 | | 101.2 | 1 | Oct 09/2008 | 115 |
| | | | | 2 | Oct 09/2008 | 115 |
| | | | 102 | 1 | Jan 21/2005 | 009-099 |
| | | | | 2 | Jan 21/2005 | 009-099 |
| LEFT FMC OUTPUTS | 34-61-02 | | 102.1 | 1 | Oct 09/2008 | 010-011 |
| | | | | 2 | Oct 09/2008 | 010-011 |
| RIGHT FMC INPUTS | 34-61-03 | | 101 | | Jan 21/2005 | 001-008 010-099 |
| | | | 102 | | Jan 21/2005 | 009 |
| | | | 103 | | Jan 21/2005 | 115-199 |
| | | | 103.1 | | Oct 09/2008 | 115 |
| RIGHT FMC OUTPUTS | 34-61-04 | | 101 | | Jan 21/2005 | ALL |
| | | | 101.1 | | Jan 21/2005 | 002 |
| | | | 101.2 | | Jan 21/2005 | 003 |
| | | | 101.3 | | Oct 09/2008 | 115 |
| FMCS CONTROL DISPLAY UNIT (CDU) - RIGHT | 34-61-06 | | 101 | | Jan 21/2005 | 001-099 |
| FMCS VNAV MODE LOGIC - RIGHT | 34-61-07 | | 101 | | Jan 21/2005 | 001-099 |
| FMCS VNAV STEERING COMMANDS - RIGHT | 34-61-08 | | 101 | | Jan 21/2005 | 001-099 |
| FMCS LNAV STEERING COMMANDS - RIGHT | 34-61-09 | | 101 | | Jan 21/2005 | 001-099 |

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| 34-57-02 | ADF - RIGHT |
| 34-13-01 | AIR DATA INSTRUMENTS - LEFT AND RIGHT |
| 34-12-03 | AIR DATA SWITCHING LEFT AND RIGHT |
| 34-12-01 | AIR DATA SYSTEM - LEFT |
| 34-12-02 | AIR DATA SYSTEM - RIGHT |
| 34-16-01 | ALTITUDE ALERT |
| 34-53-03 | ATC ANTENNA SELECT |
| 34-53-01 | ATC TRANSPONDER - LEFT |
| 34-53-02 | ATC TRANSPONDER - RIGHT |
| 34-55-01 | DME - LEFT |
| 34-55-02 | DME - RIGHT |
| 34-22-10 | EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING |
| 34-22-11 | EFIS SYMBOL GENERATOR AND EADI - LEFT |
| 34-22-21 | EFIS SYMBOL GENERATOR AND EADI - RIGHT AND CENTER |
| 34-22-12 | EFIS SYMBOL GENERATOR AND EHSI - LEFT |
| 34-22-22 | EFIS SYMBOL GENERATOR AND EHSI - RIGHT AND CENTER |
| 34-22-32 | FLIGHT INSTRUMENT DATA BUS SWITCHING |

| CH-SC-SU | Title |
|----------|---|
| 34-22-00 | FLIGHT INSTRUMENT SYSTEM - SIMPLIFIED |
| 34-22-31 | FLIGHT INSTRUMENT SYSTEM SWITCHING |
| 34-61-00 | FLIGHT MANAGEMENT CMPTR SYSTEM (LEFT - RIGHT FMCS) - SIMPLIFIED |
| 34-60-01 | FLIGHT MANAGEMENT COMPUTER |
| 34-61-06 | FMCS CONTROL DISPLAY UNIT (CDU) - RIGHT |
| 34-61-09 | FMCS LNAV STEERING COMMANDS - RIGHT |
| 34-60-02 | FMCS MAINTENANCE INDEX |
| 34-61-07 | FMCS VNAV MODE LOGIC - RIGHT |
| 34-61-08 | FMCS VNAV STEERING COMMANDS - RIGHT |
| 34-58-01 | GLOBAL POSITIONING SYSTEM LEFT |
| 34-58-02 | GLOBAL POSITIONING SYSTEM RIGHT |
| 34-46-01 | GROUND PROXIMITY WARNING SYSTEM |
| 34-31-03 | ILS - CENTER |
| 34-31-01 | ILS - LEFT |
| 34-31-02 | ILS - RIGHT |
| 34-21-03 | INERTIAL REFERENCE SYSTEM - CENTER |
| 34-21-01 | INERTIAL REFERENCE SYSTEM - LEFT |
| 34-21-02 | INERTIAL REFERENCE SYSTEM - RIGHT |
| 34-25-01 | INSTRUMENT COMPARATOR UNIT |

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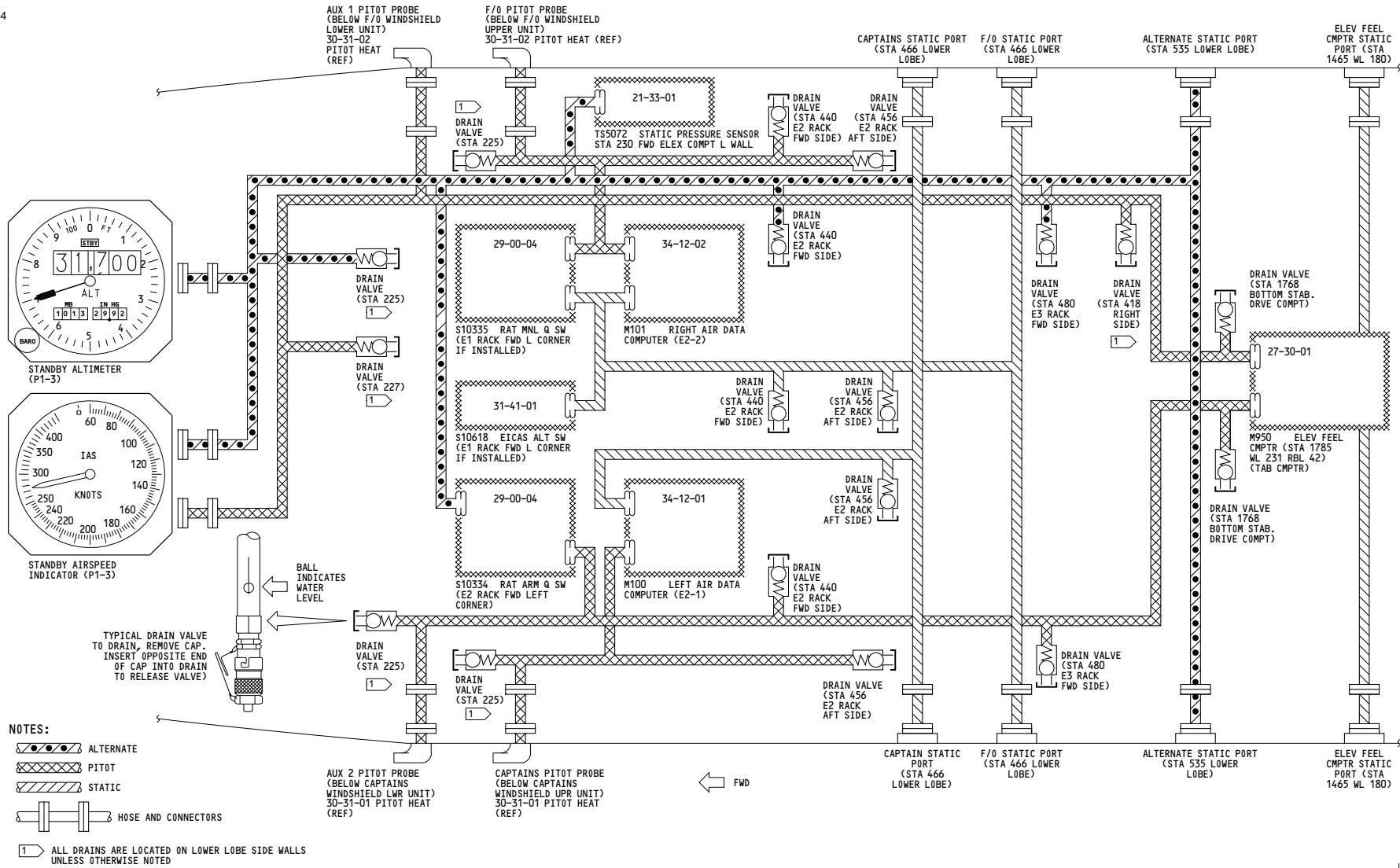
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NAVIGATION**

| CH-SC-SU | Title |
|----------|--|
| 34-61-01 | LEFT FMC INPUTS |
| 34-61-02 | LEFT FMC OUTPUTS |
| 34-51-01 | LEFT VOR |
| 34-32-01 | MARKER BEACON |
| 34-11-01 | PITOT STATIC |
| 34-33-03 | RADIO ALTIMETER - CENTER |
| 34-33-01 | RADIO ALTIMETER - LEFT |
| 34-33-02 | RADIO ALTIMETER - RIGHT |
| 34-22-05 | RADIO MAGNETIC INDICATOR AND ANNUNCIATION - LEFT |
| 34-22-06 | RADIO MAGNETIC INDICATOR AND ANNUNCIATION - RIGHT |
| 34-22-01 | RDMI, BEARING, HEADING AND DISTANCE - LEFT |
| 34-22-02 | RDMI, BEARING, HEADING AND DISTANCE - RIGHT |
| 34-61-03 | RIGHT FMC INPUTS |
| 34-61-04 | RIGHT FMC OUTPUTS |
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| 34-24-01 | STANDBY ATTITUDE/ILS INDICATOR SYSTEM |
| 34-45-02 | TRAFFIC ALERT AND COLL AVD SYSTEM (TCAS) CONTROL AND DISPLAY |

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|----------|---|
| 34-45-01 | TRAFFIC ALERT AND COLL AVD SYSTEM (TCAS) POWER, INPUT, OUTPUT |
| 34-22-03 | VSI VERTICAL SPEED - LEFT AND RIGHT |
| 34-43-01 | WEATHER RADAR |

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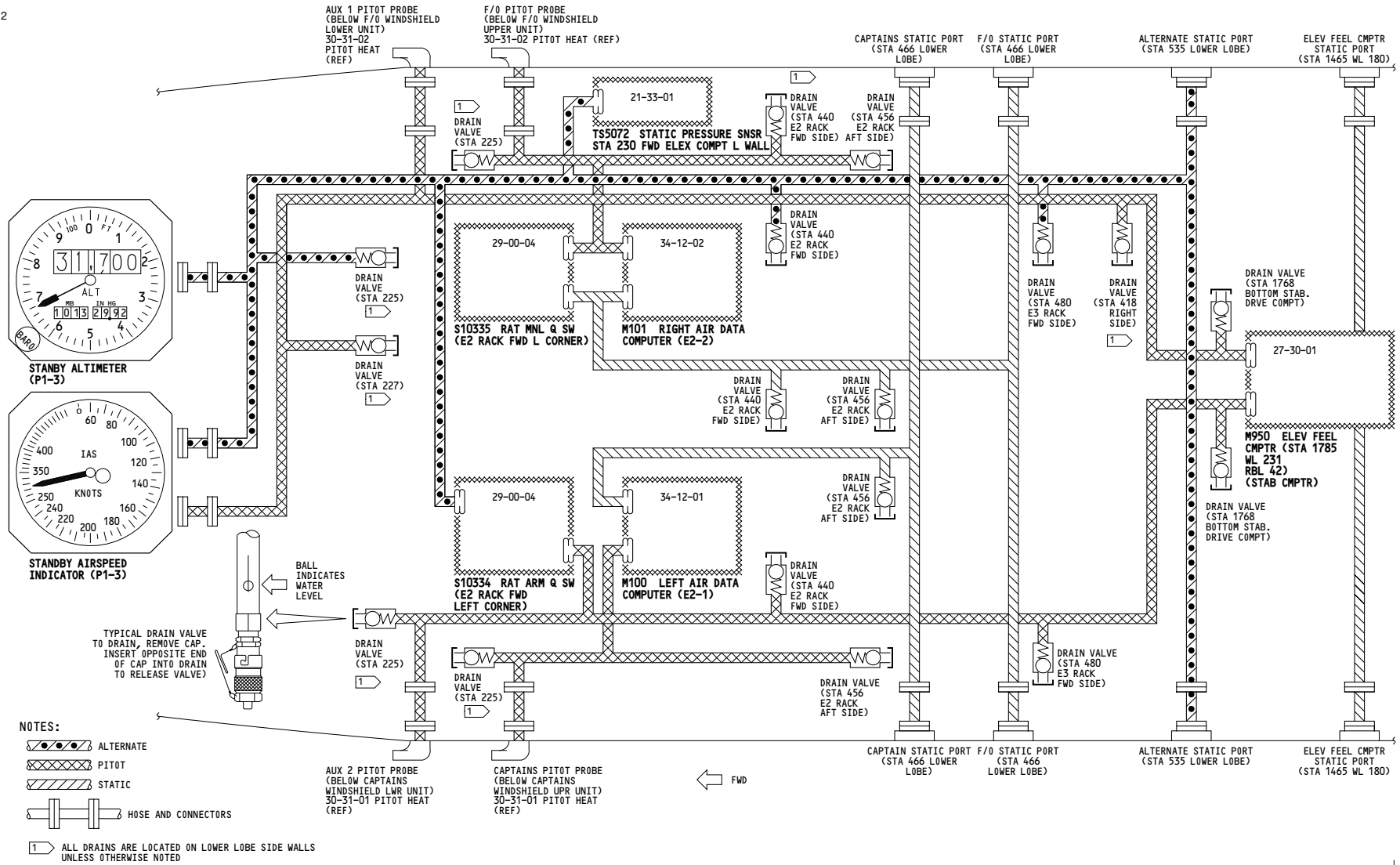
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| 001-099 | PITOT STATIC |
| D280N032S | |

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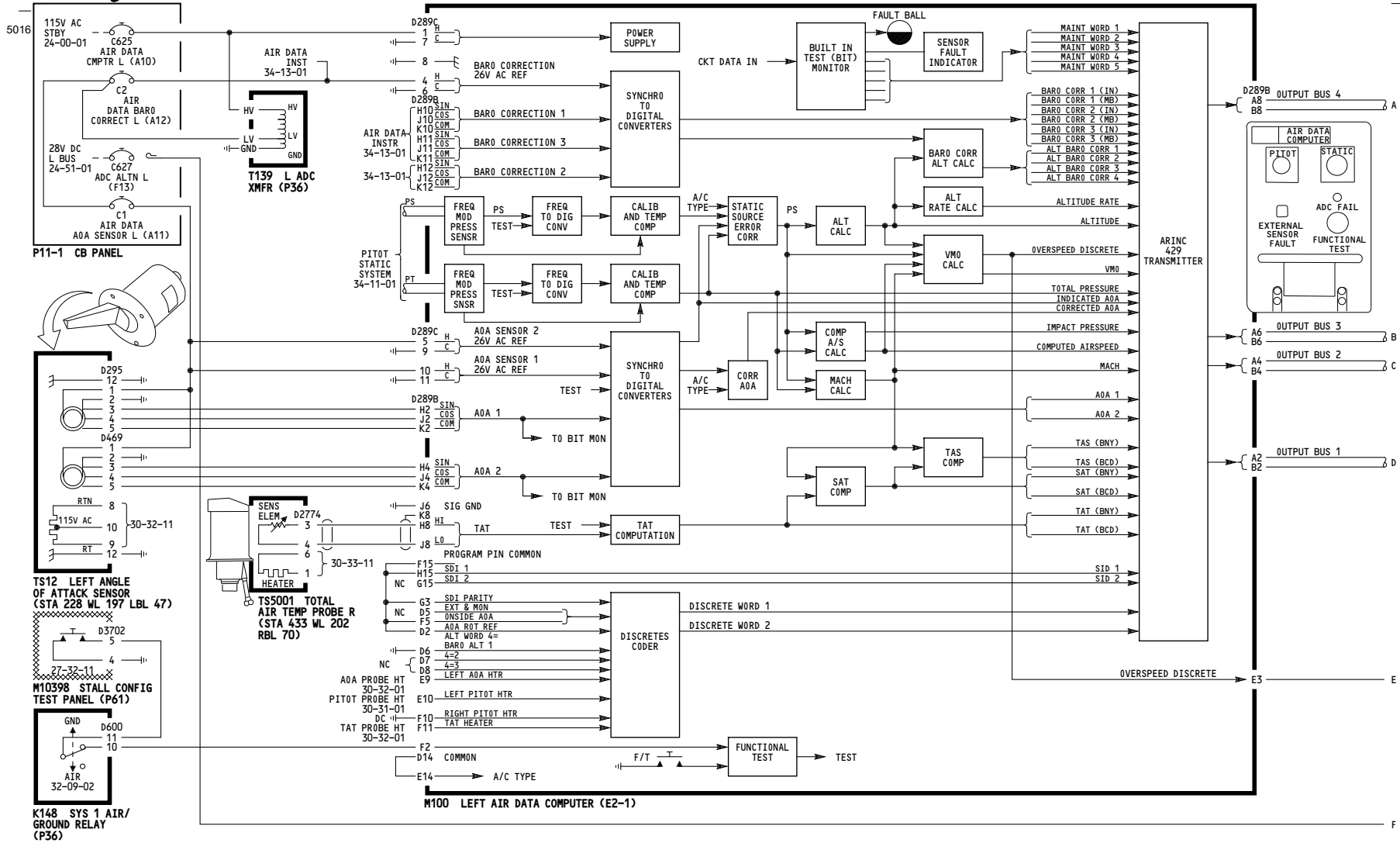
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| 115-199 | PITOT STATIC |
| D280N032S | |

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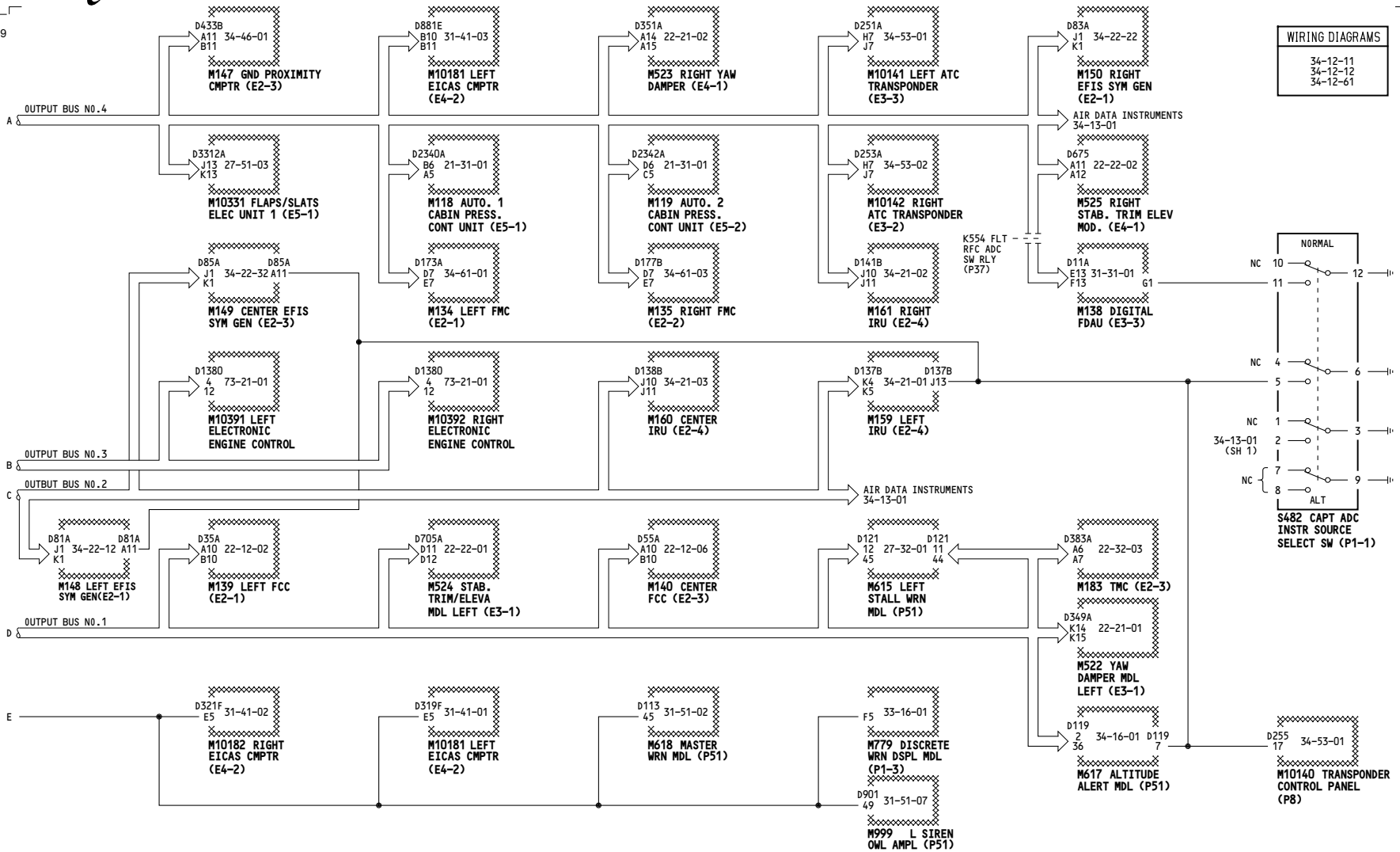
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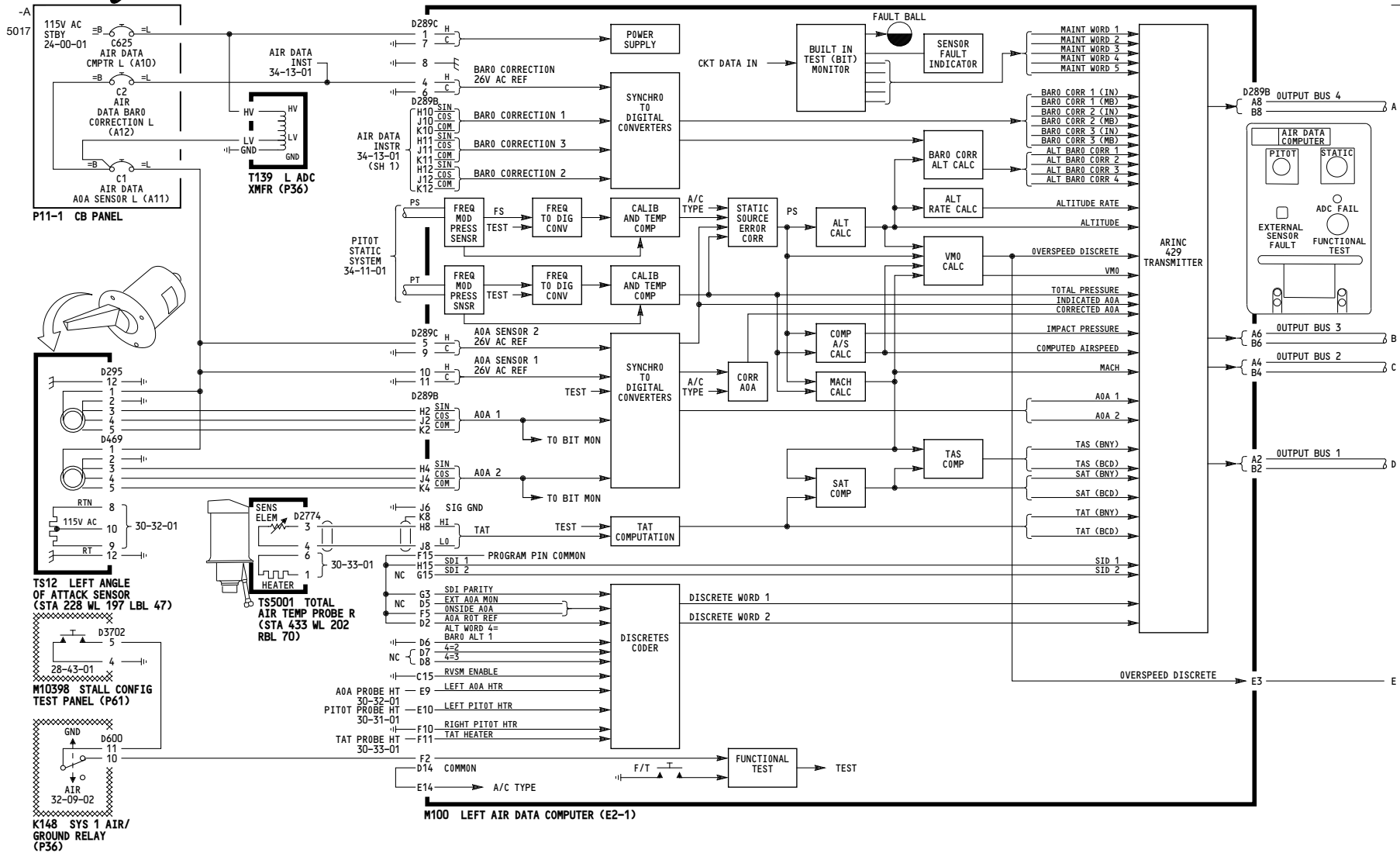


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AIR DATA SYSTEM - LEFT

D280N032S

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001, 003-008, 010-011

AIR DATA SYSTEM - LEFT

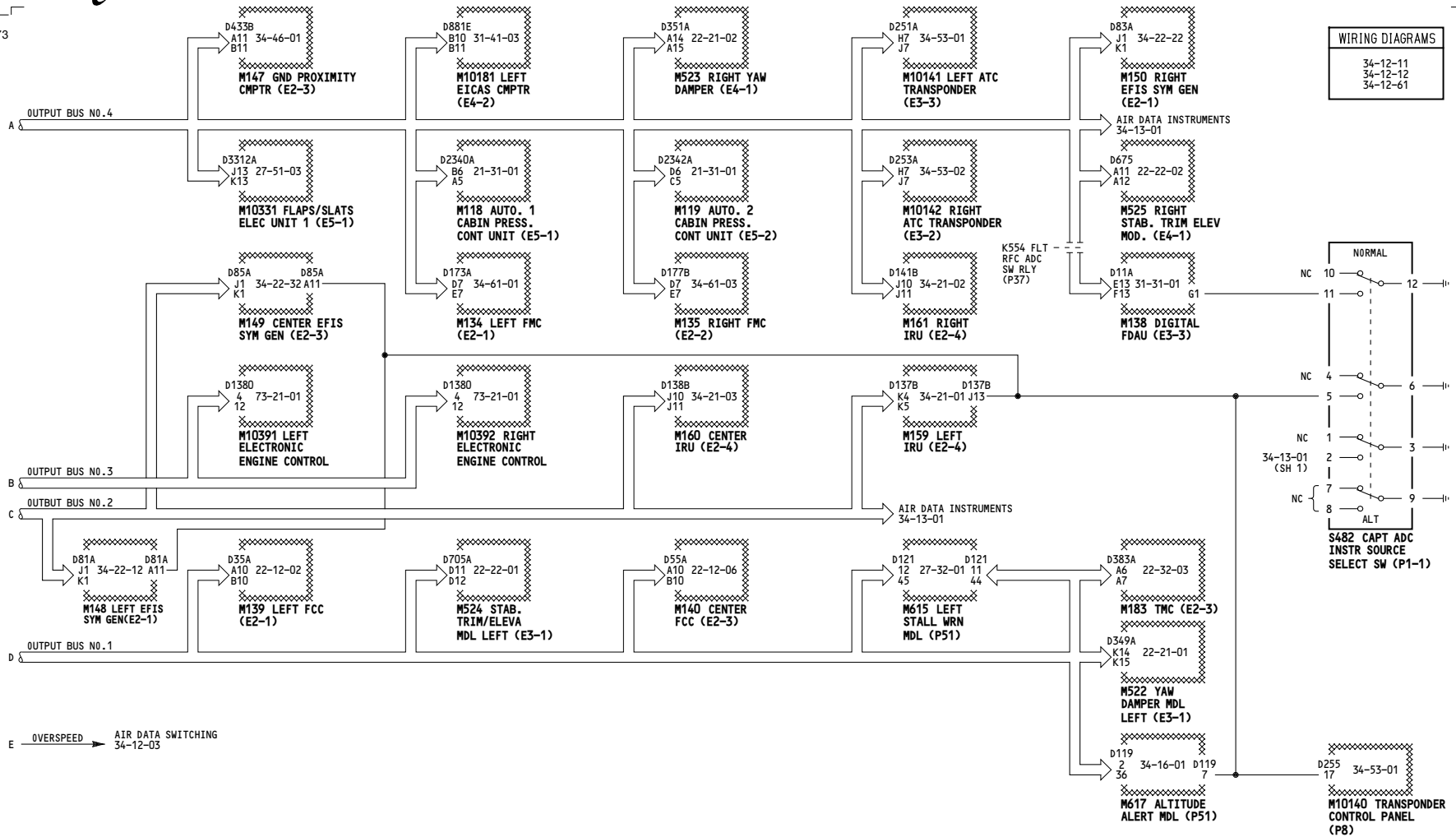
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34-0132

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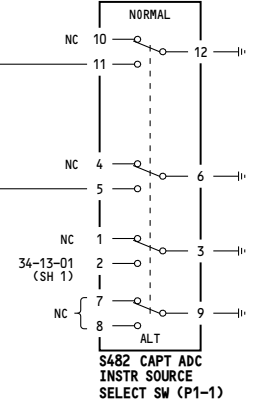
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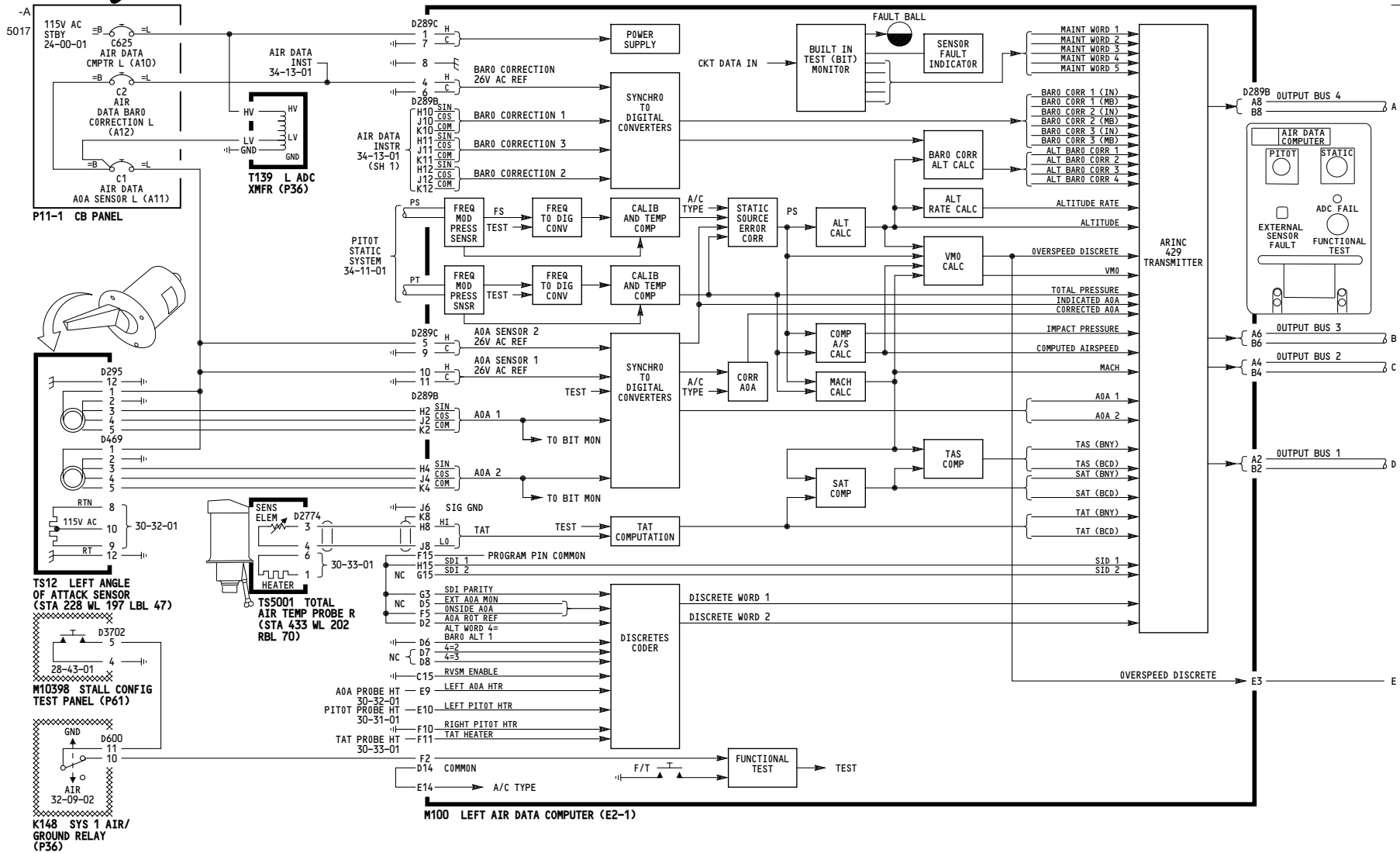


WIRING DIAGRAMS
34-12-11
34-12-12
34-12-61



| | | |
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| 001, 003-008, 010-011 | AIR DATA SYSTEM - LEFT | Incorporates 34A0222 |
| D280N032S | | |

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002

AIR DATA SYSTEM - LEFT

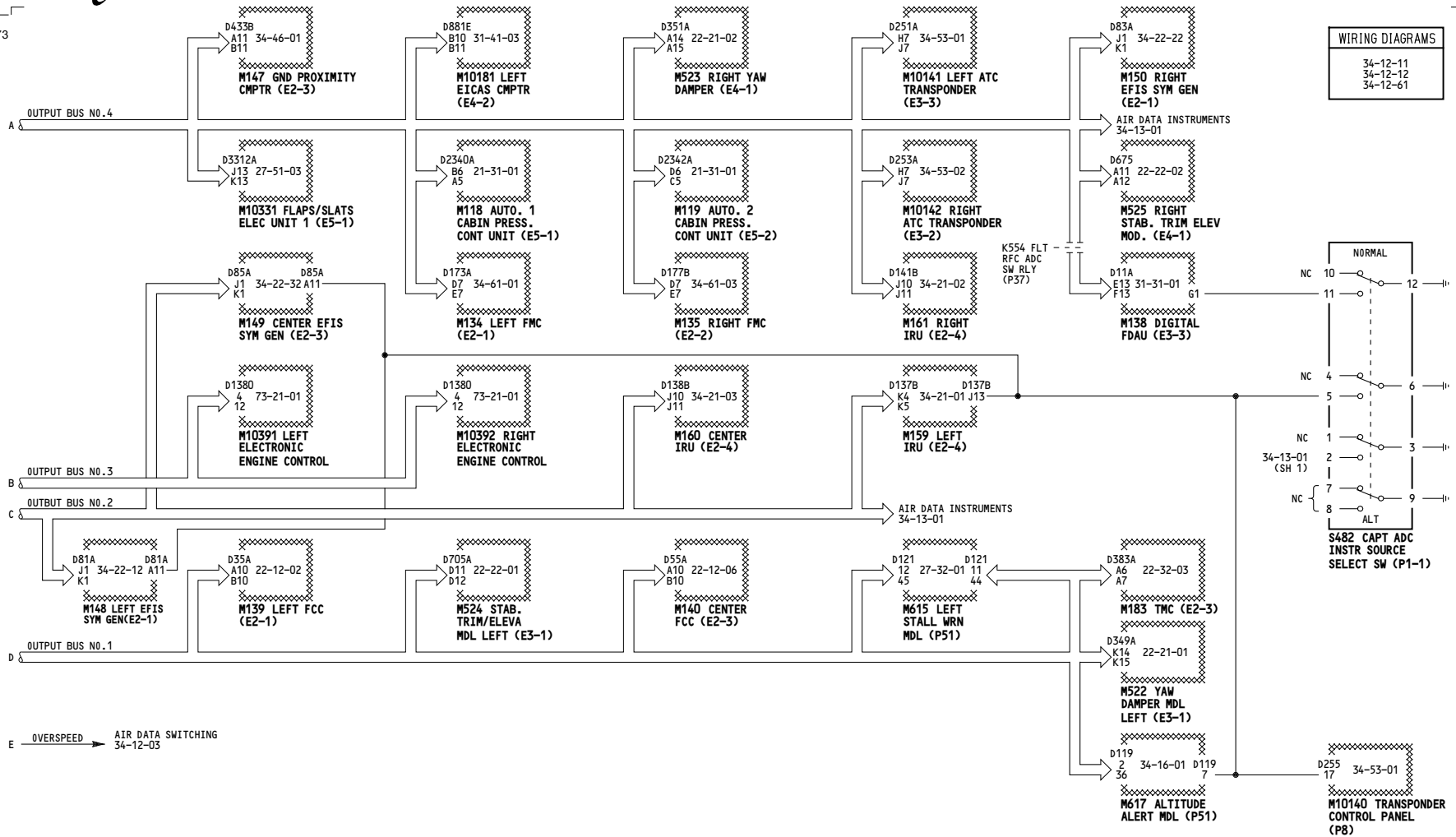
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34-0132

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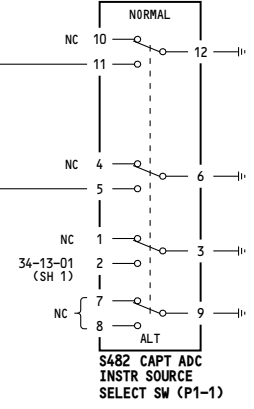
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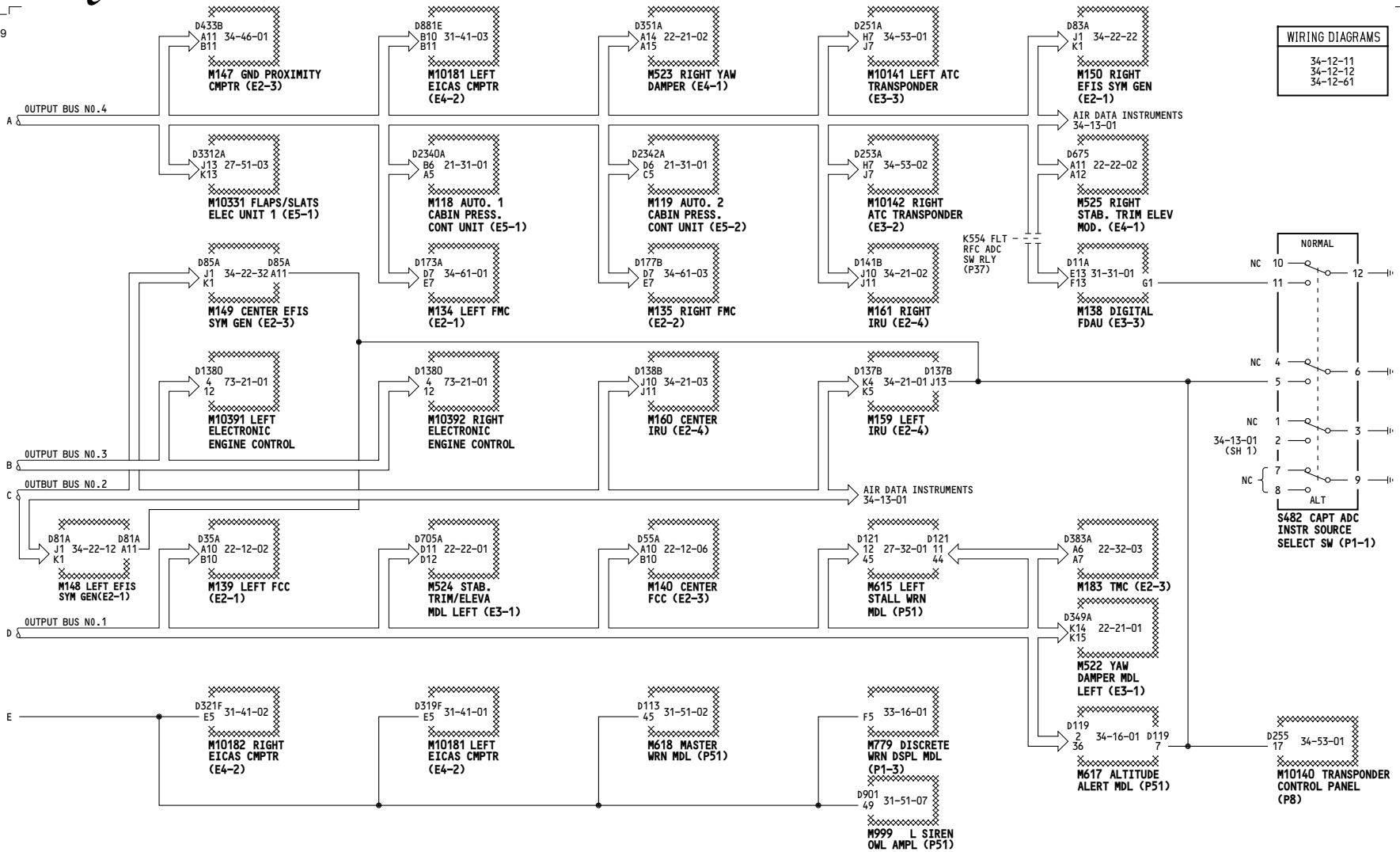
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34-12-11
34-12-12
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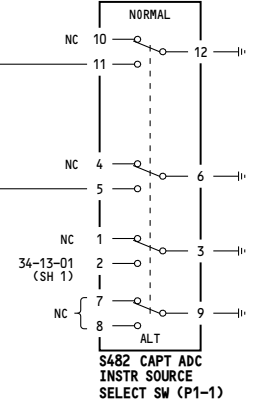
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| D280N032S | | |

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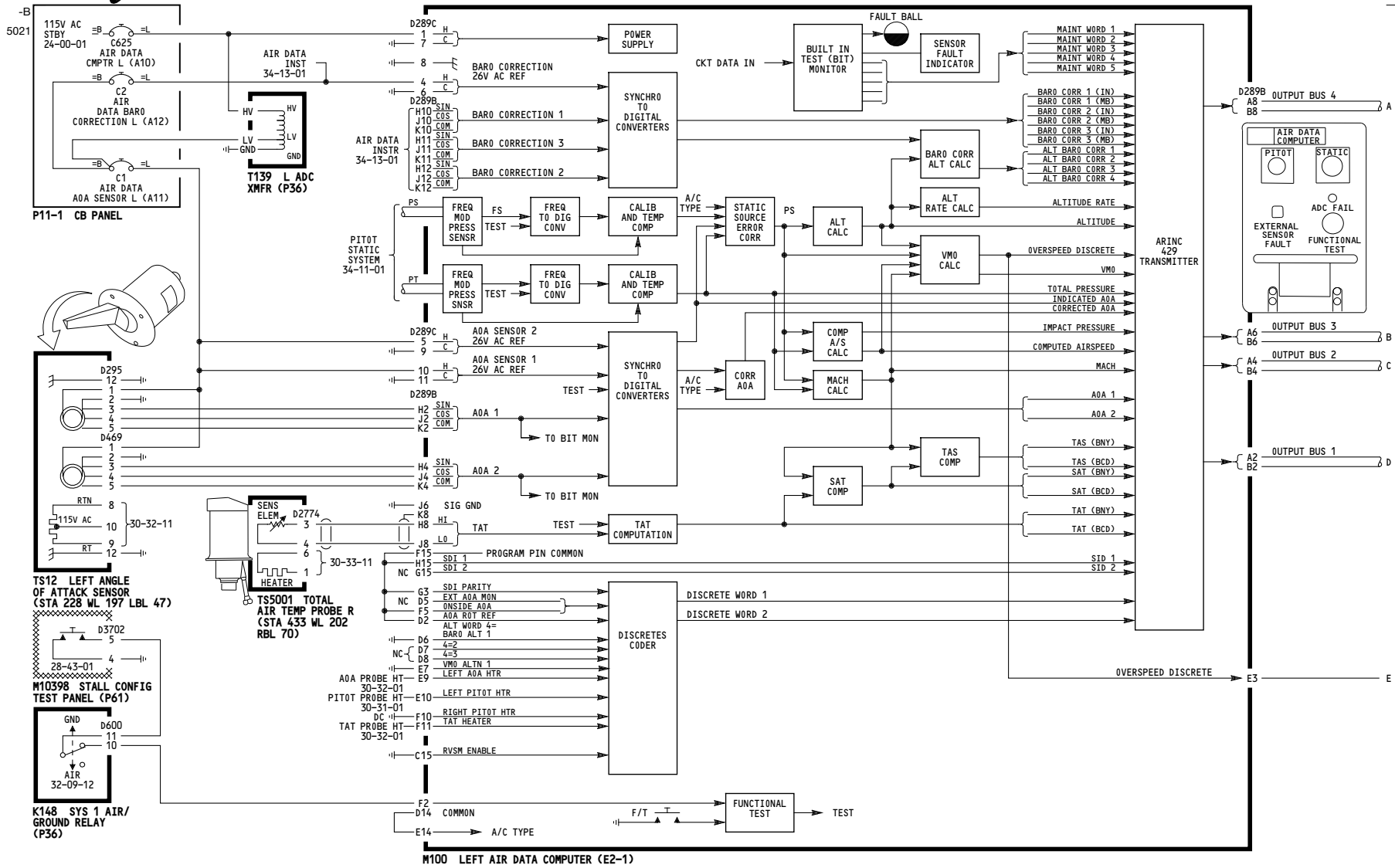


WIRING DIAGRAMS
34-12-11
34-12-12
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| | |
|-----------|-------------------------------|
| 009 | AIR DATA SYSTEM - LEFT |
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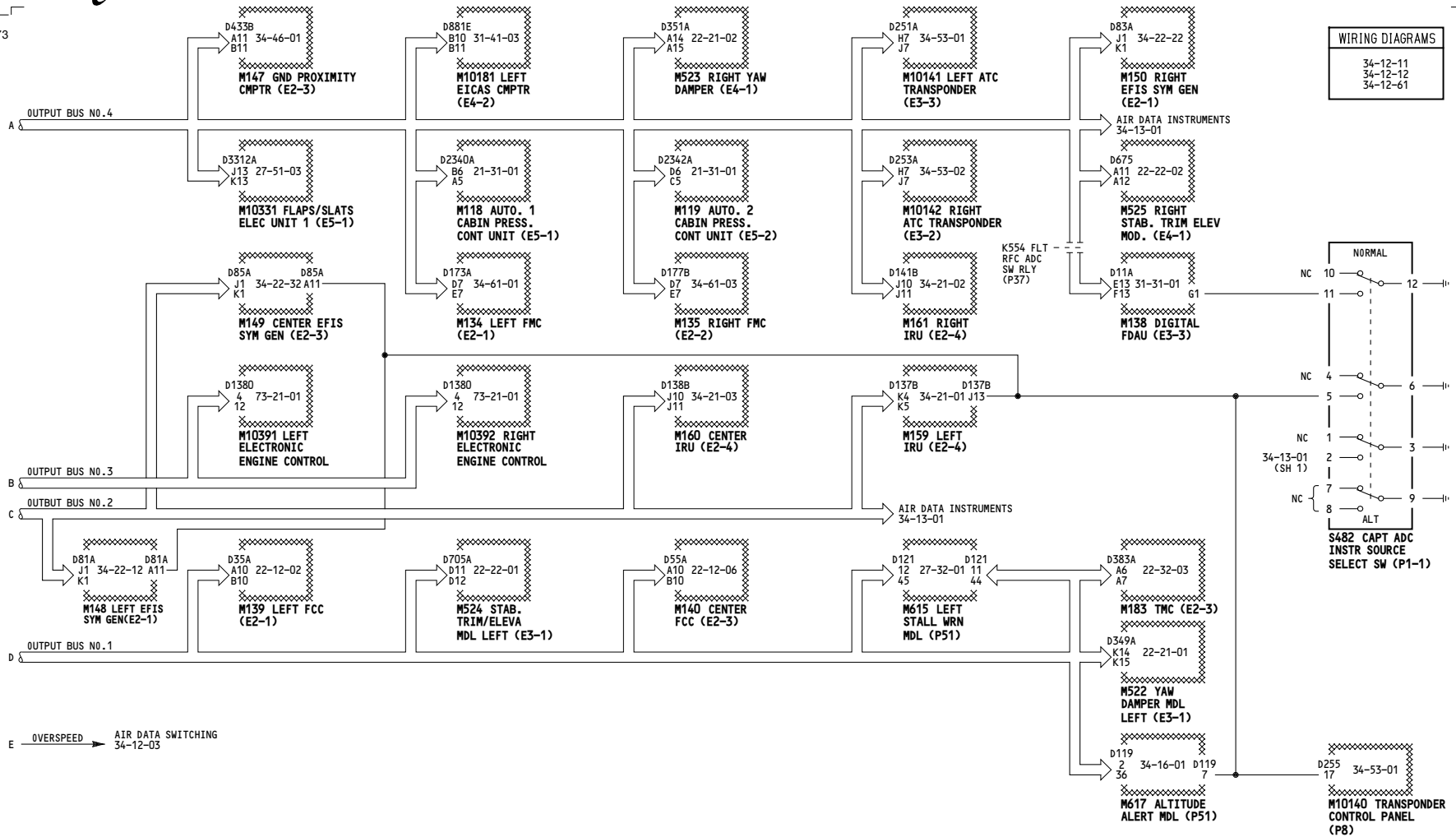
AIR DATA SYSTEM - LEFT

Incorporates 34-0132

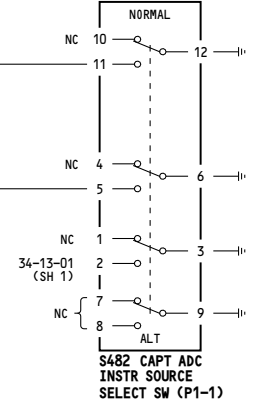
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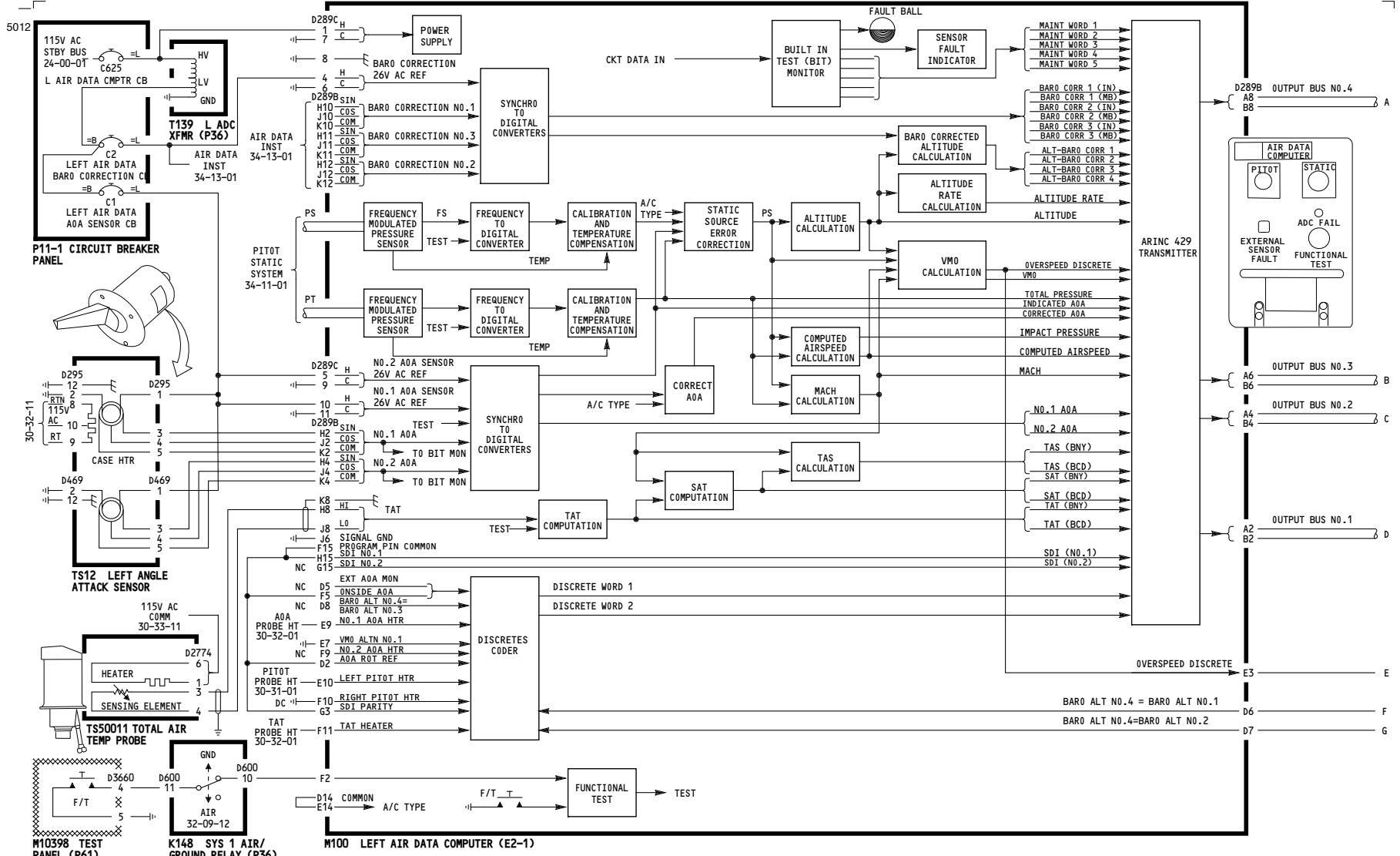


WIRING DIAGRAMS
34-12-11
34-12-12
34-12-61



| | |
|-----|---|
| 009 | AIR DATA SYSTEM - LEFT Incorporates 34A0222 D280N032S |
|-----|---|

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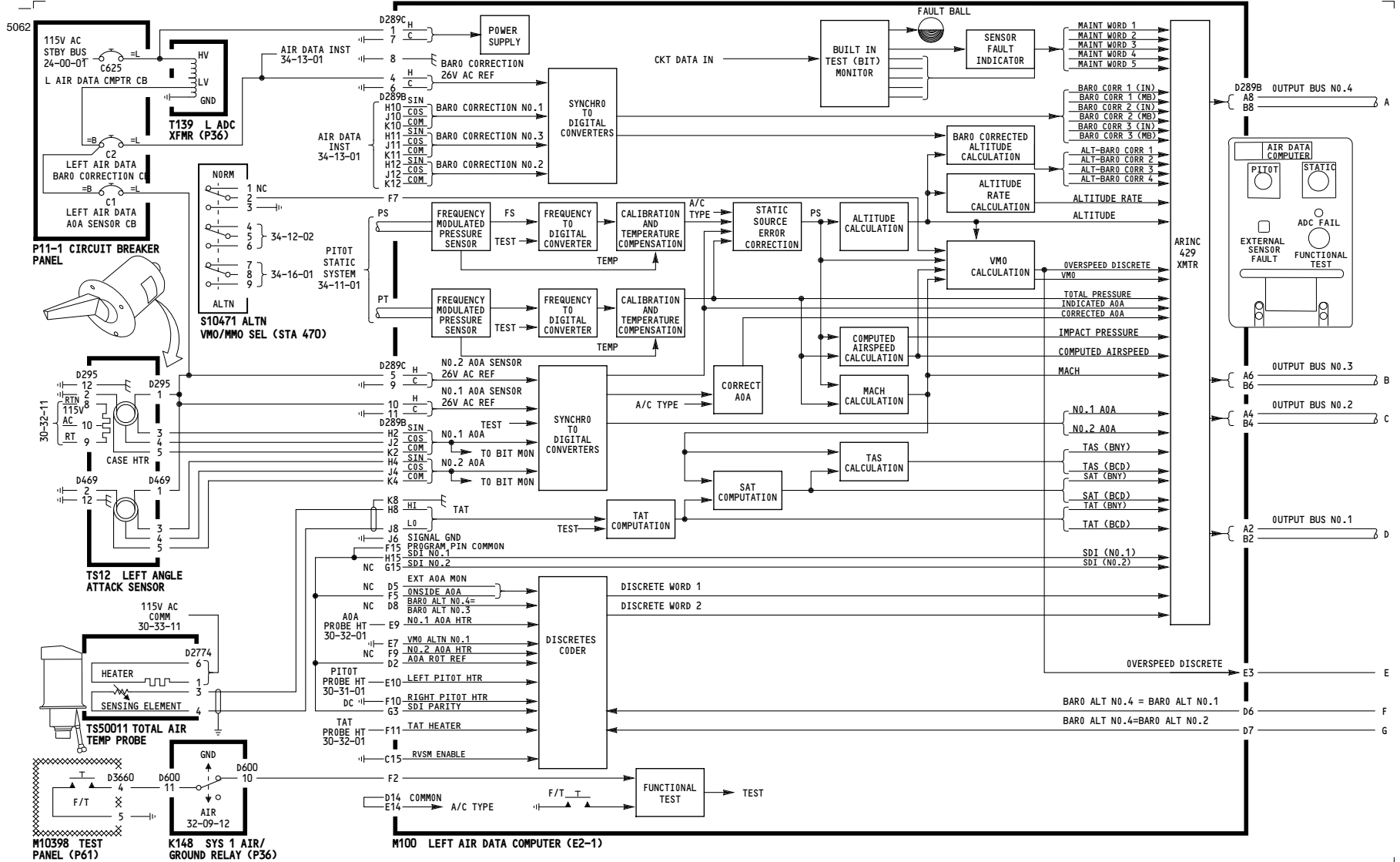


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AIR DATA SYSTEM - LEFT

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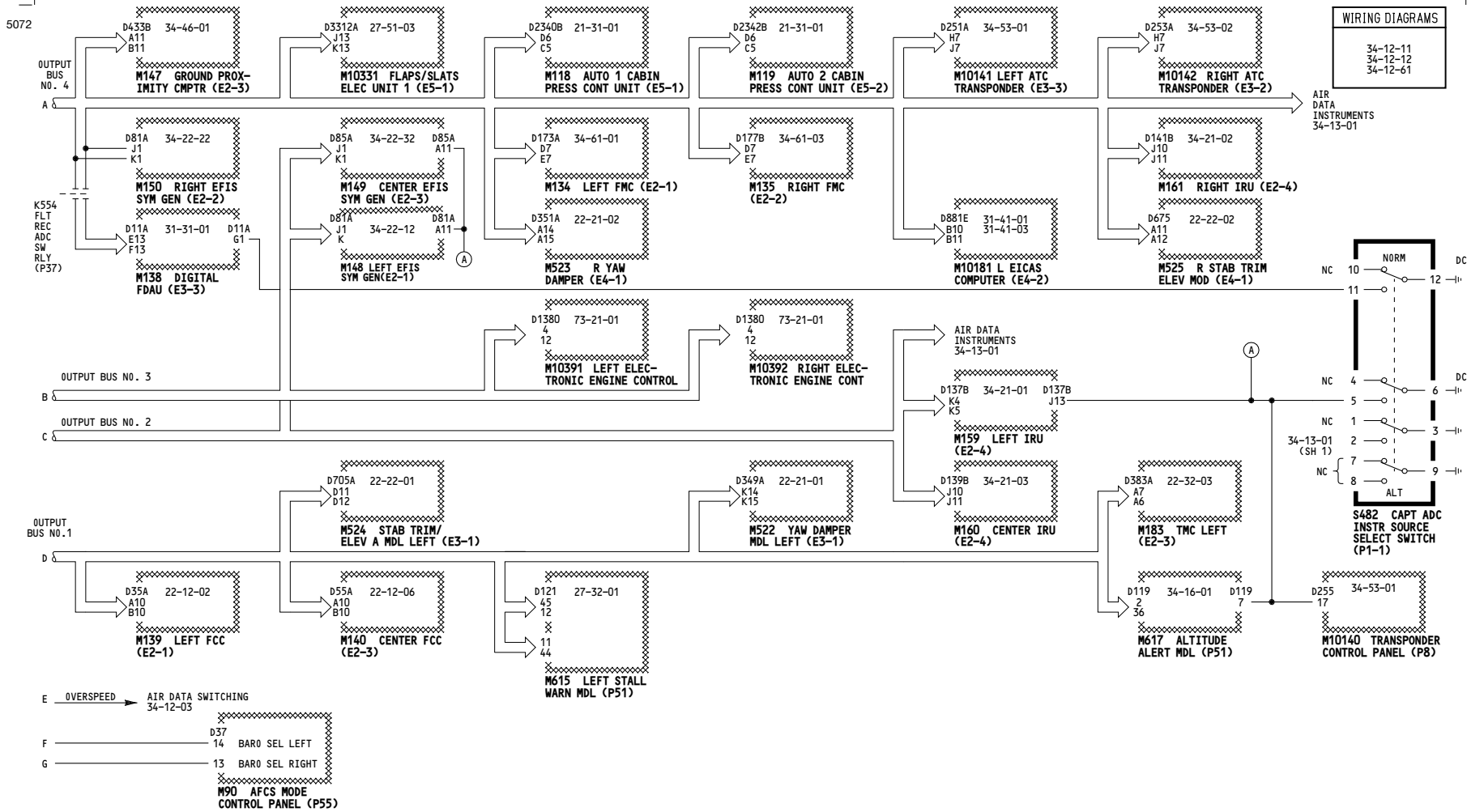
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- Incorporates
- ▶▶ 34-0132
 - ▶▶ 34-0403
 - ▶▶ 34-0410

D280N032S

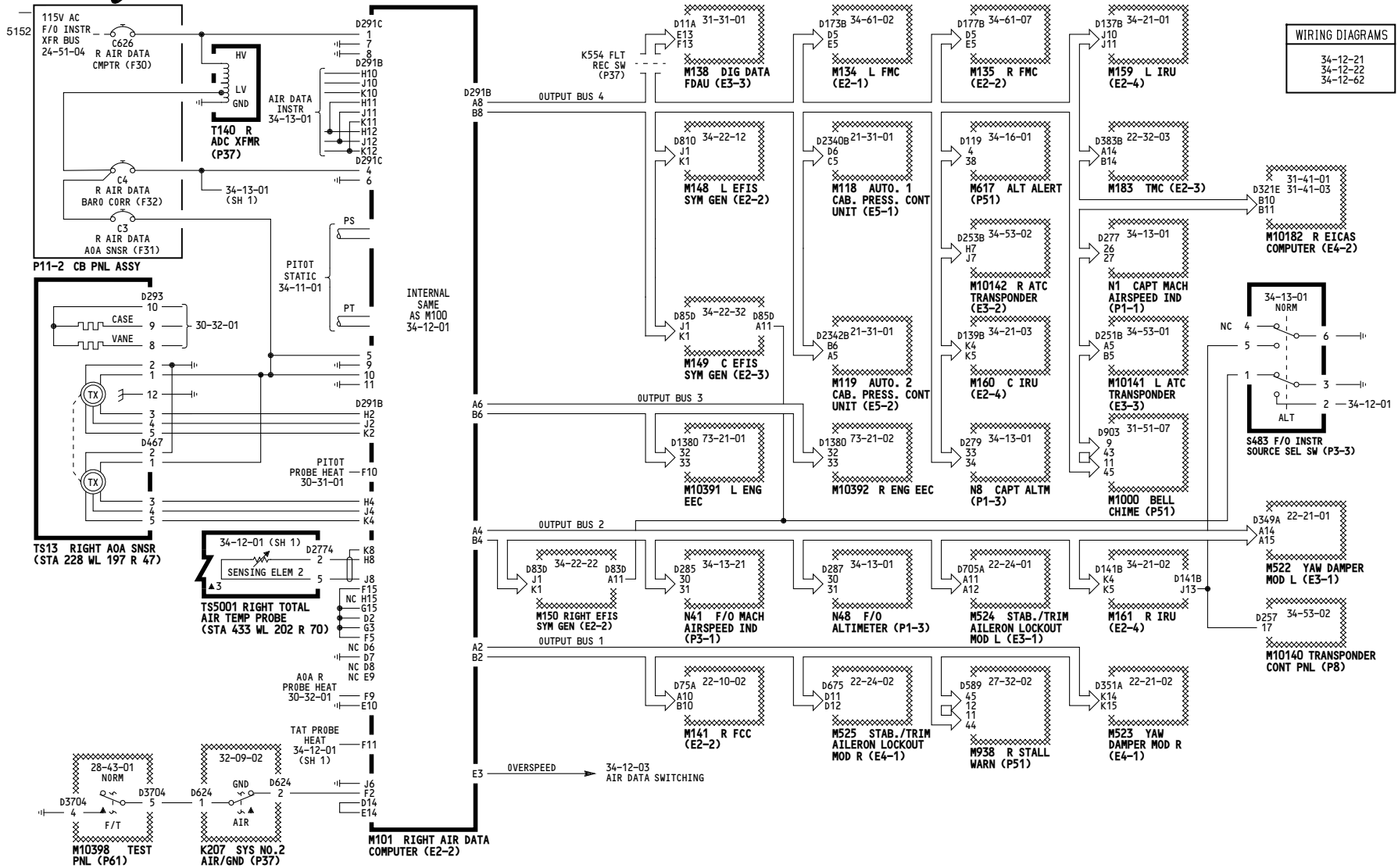
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| 115 | AIR DATA SYSTEM - LEFT |
| Incorporates 34A0222 | |
| D280N032S | |

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WIRING DIAGRAMS
 34-12-21
 34-12-22
 34-12-62

002 **AIR DATA SYSTEM - RIGHT**

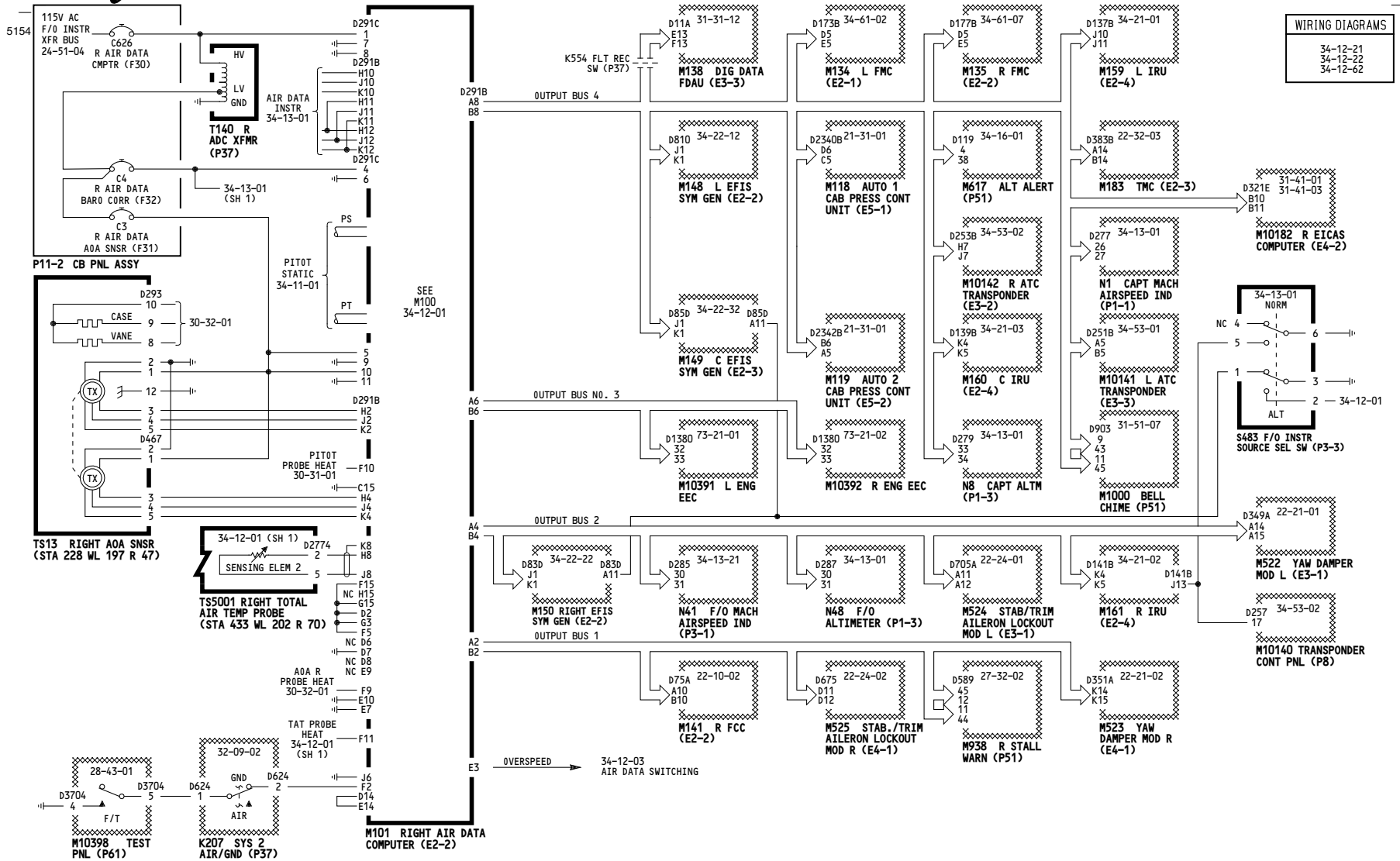
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- ▶ 34-0132
 - ▶ 34-0200
 - ▶ 34A0222

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AIR DATA SYSTEM - RIGHT

- Incorporates
- ▶ 34-0132
 - ▶ 34A0222

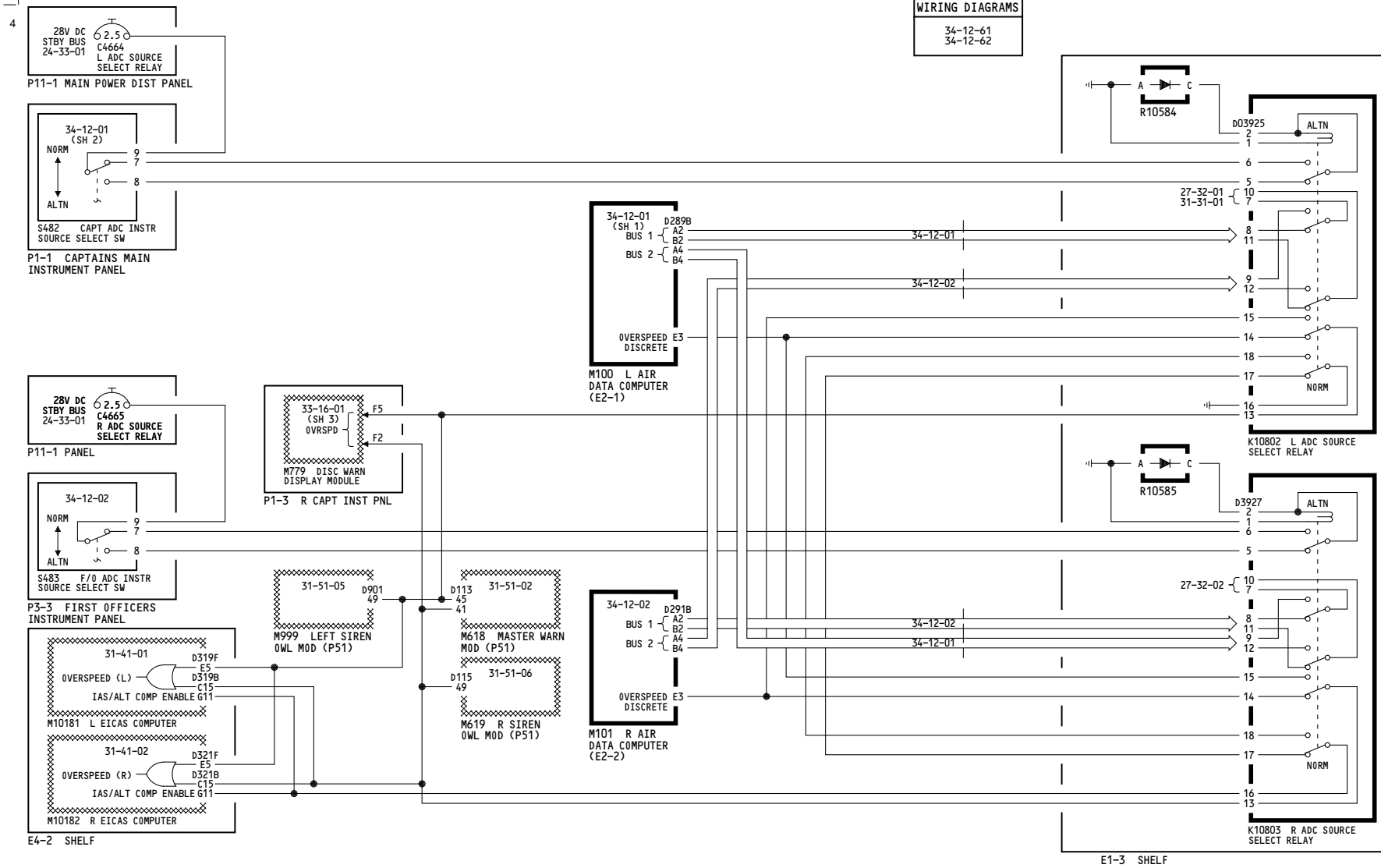
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WIRING DIAGRAMS
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001-011

**AIR DATA SWITCHING
LEFT AND RIGHT**

Incorporates
34A0222

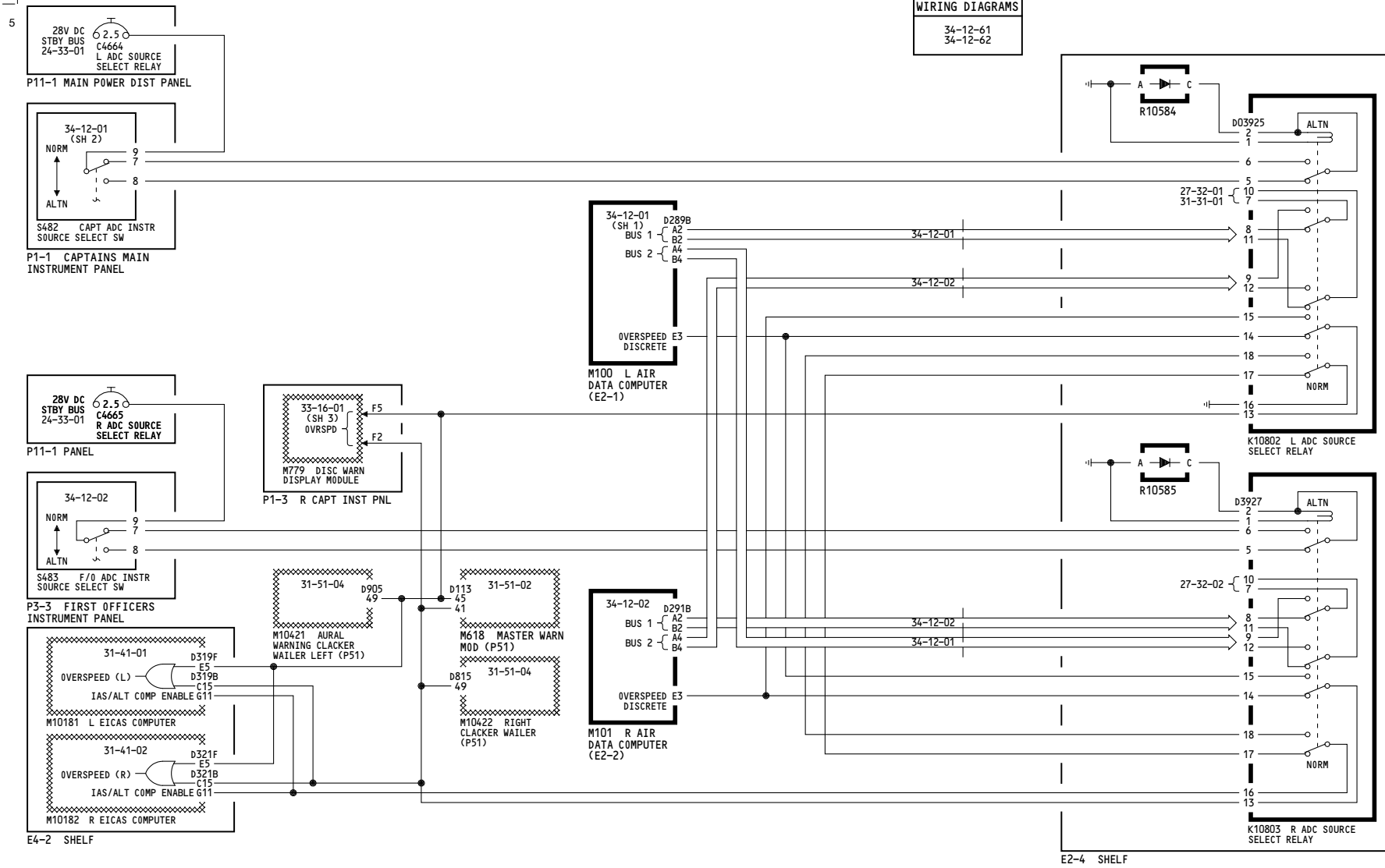
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**AIR DATA SWITCHING
LEFT AND RIGHT**

Incorporates
34A0222

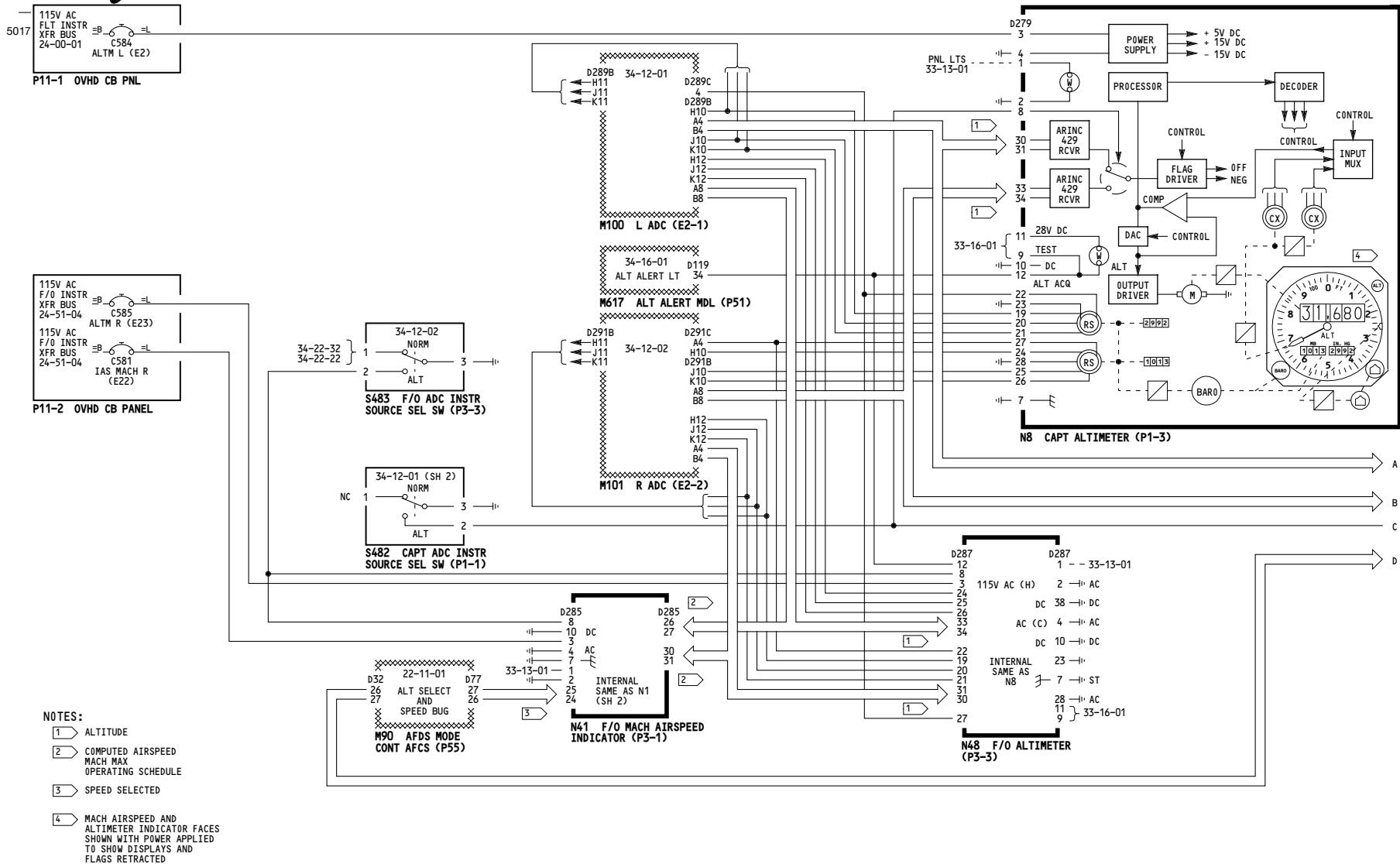
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NOTES:

- 1 ALTITUDE
- 2 COMPUTED AIRSPEED MACH MAX OPERATING SCHEDULE
- 3 SPEED SELECTED
- 4 MACH AIRSPEED AND ALTIMETER INDICATOR FACES SHOWN WITH POWER APPLIED TO SHOW DISPLAYS AND FLAGS RETRACTED

001-099

AIR DATA INSTRUMENTS - LEFT AND RIGHT

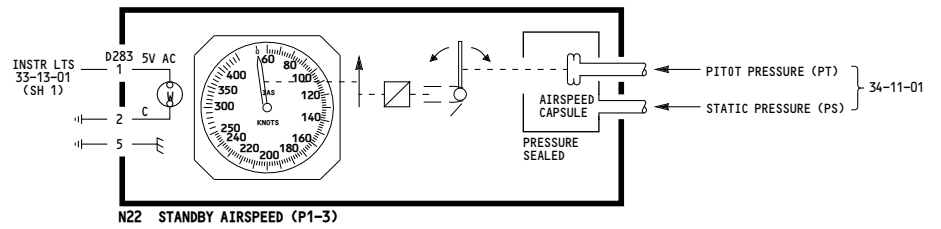
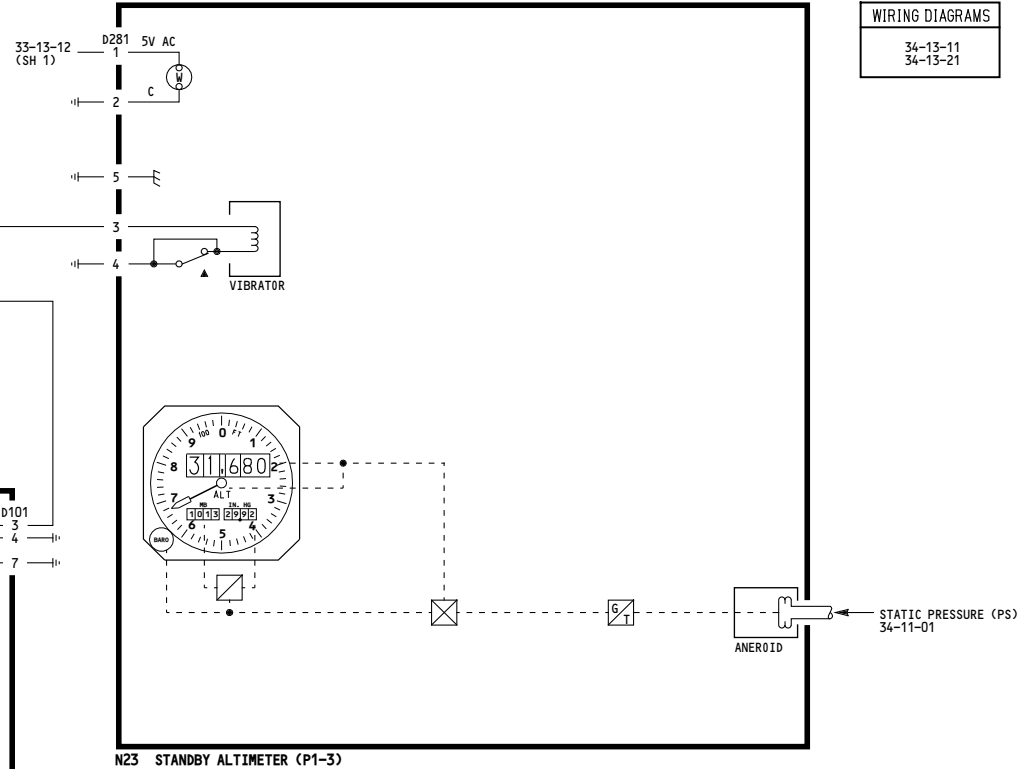
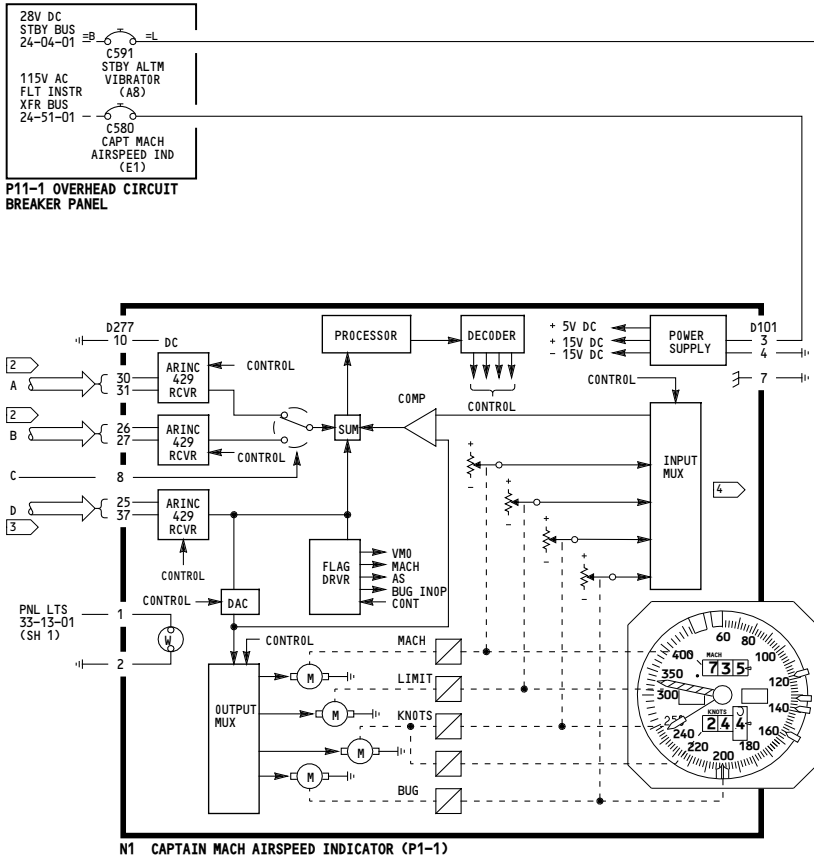
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WIRING DIAGRAMS
34-13-11
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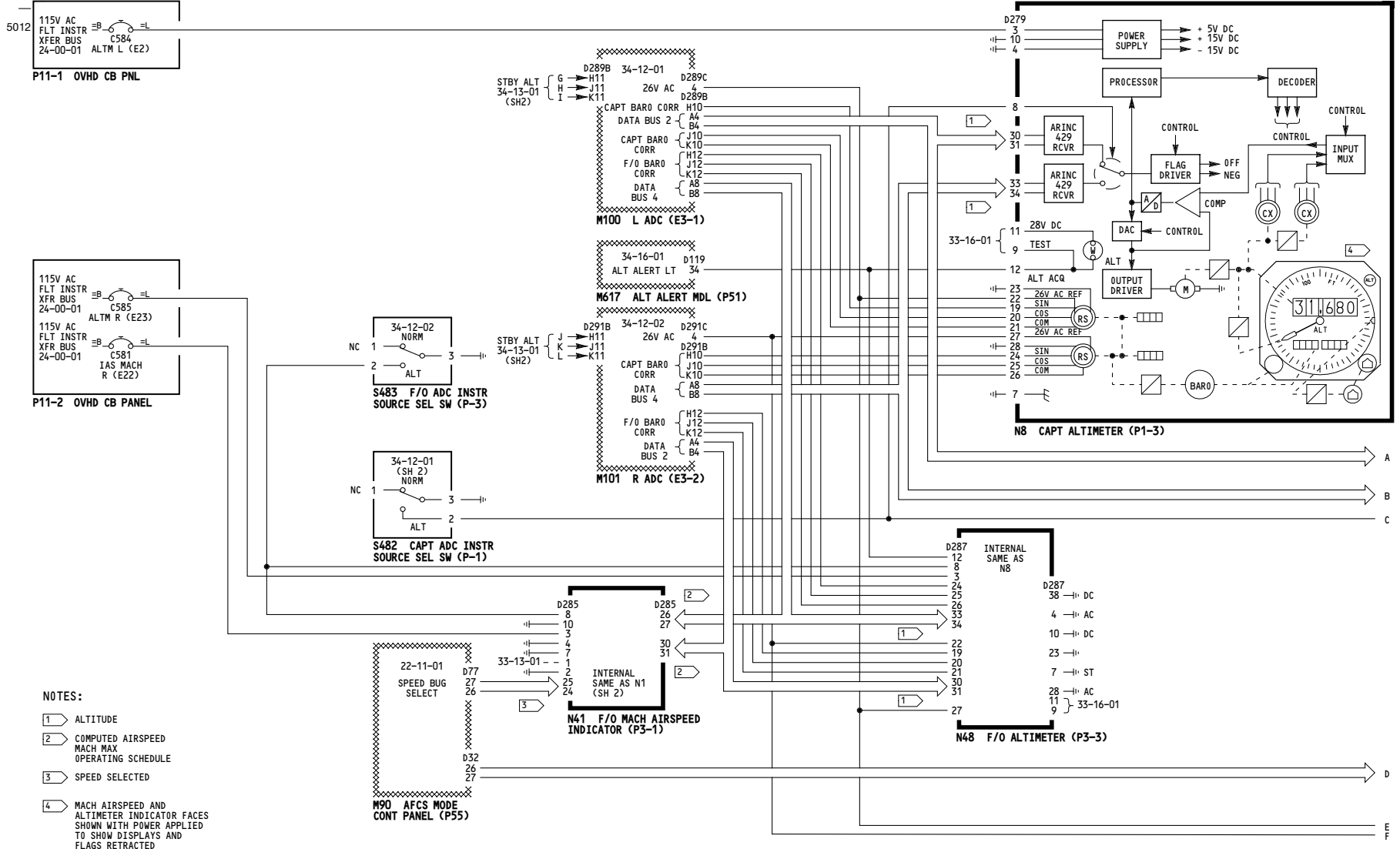
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AIR DATA INSTRUMENTS - LEFT AND RIGHT

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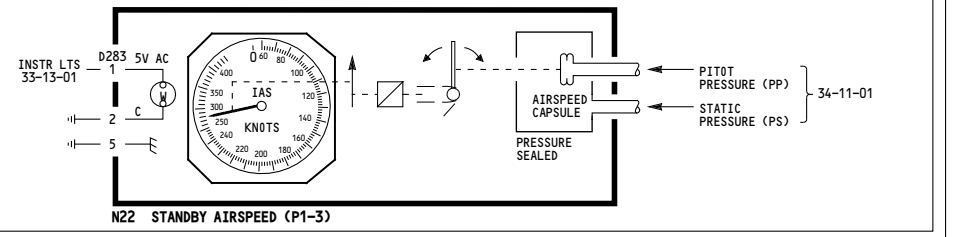
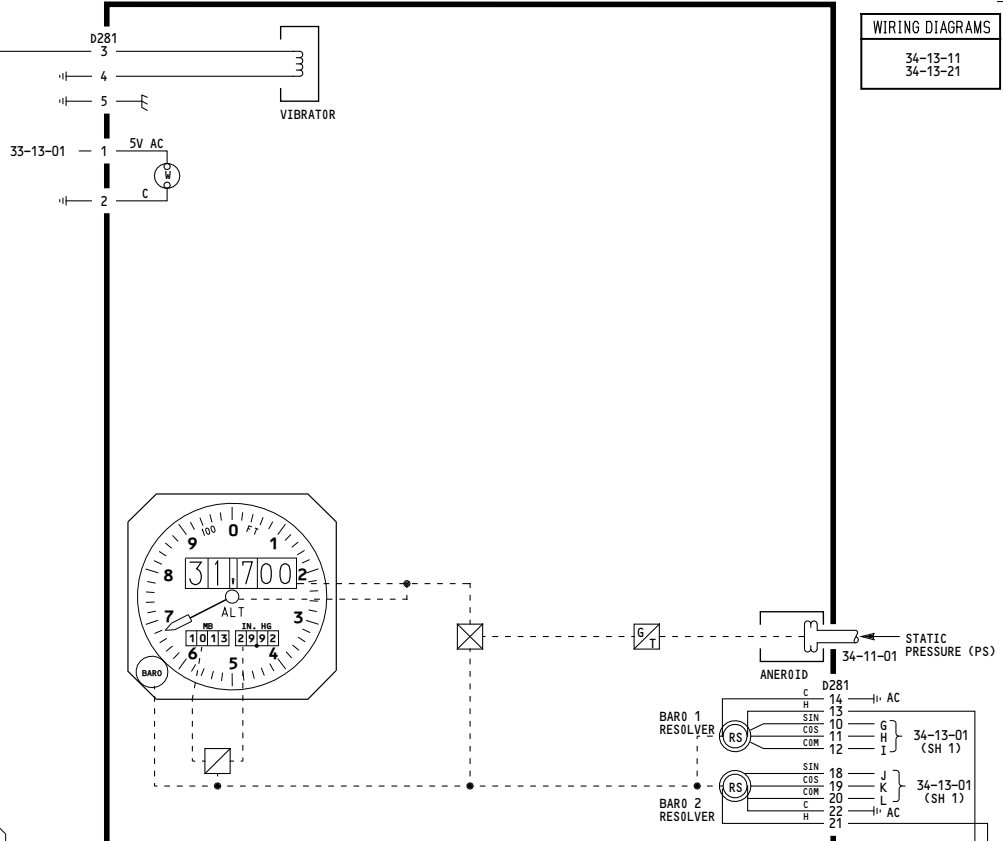
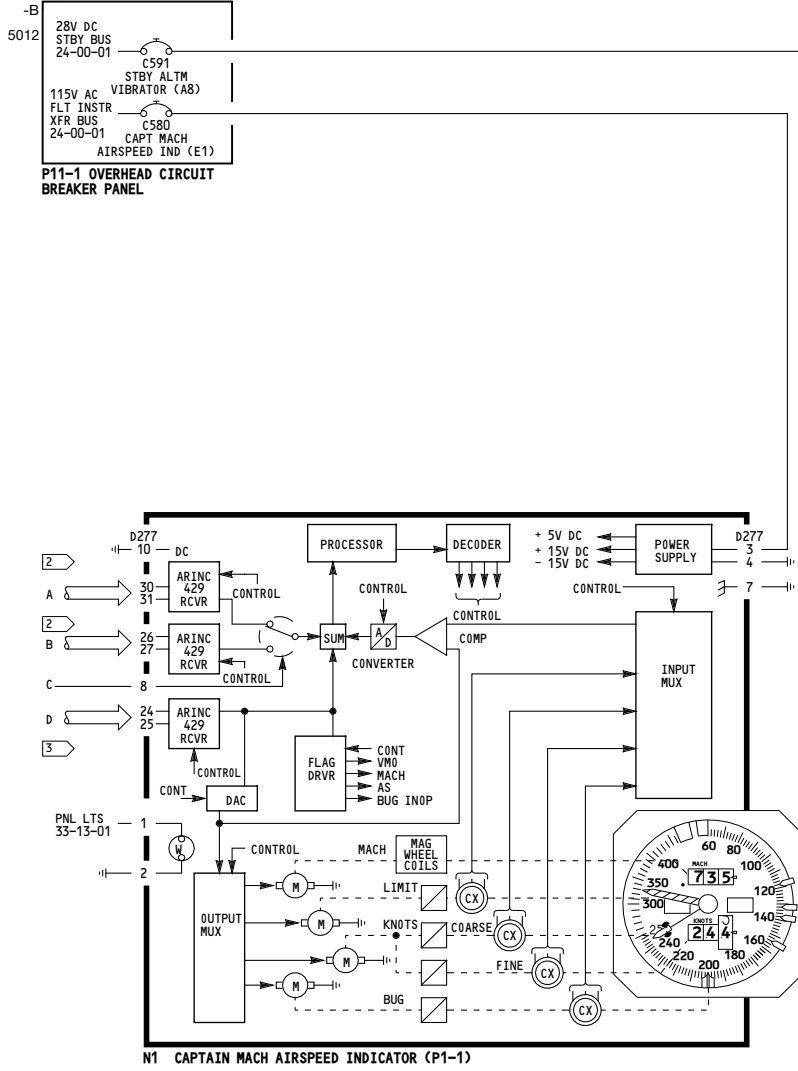


NOTES:

- 1 ALTITUDE
- 2 COMPUTED AIRSPEED
MACH MAX
OPERATING SCHEDULE
- 3 SPEED SELECTED
- 4 MACH AIRSPEED AND
ALTIMETER INDICATOR FACES
SHOWN WITH POWER APPLIED
TO SHOW DISPLAYS AND
FLAGS RETRACTED

| | |
|-----------|--|
| 115-199 | AIR DATA INSTRUMENTS - LEFT AND RIGHT |
| D280N032S | |

34-13-01

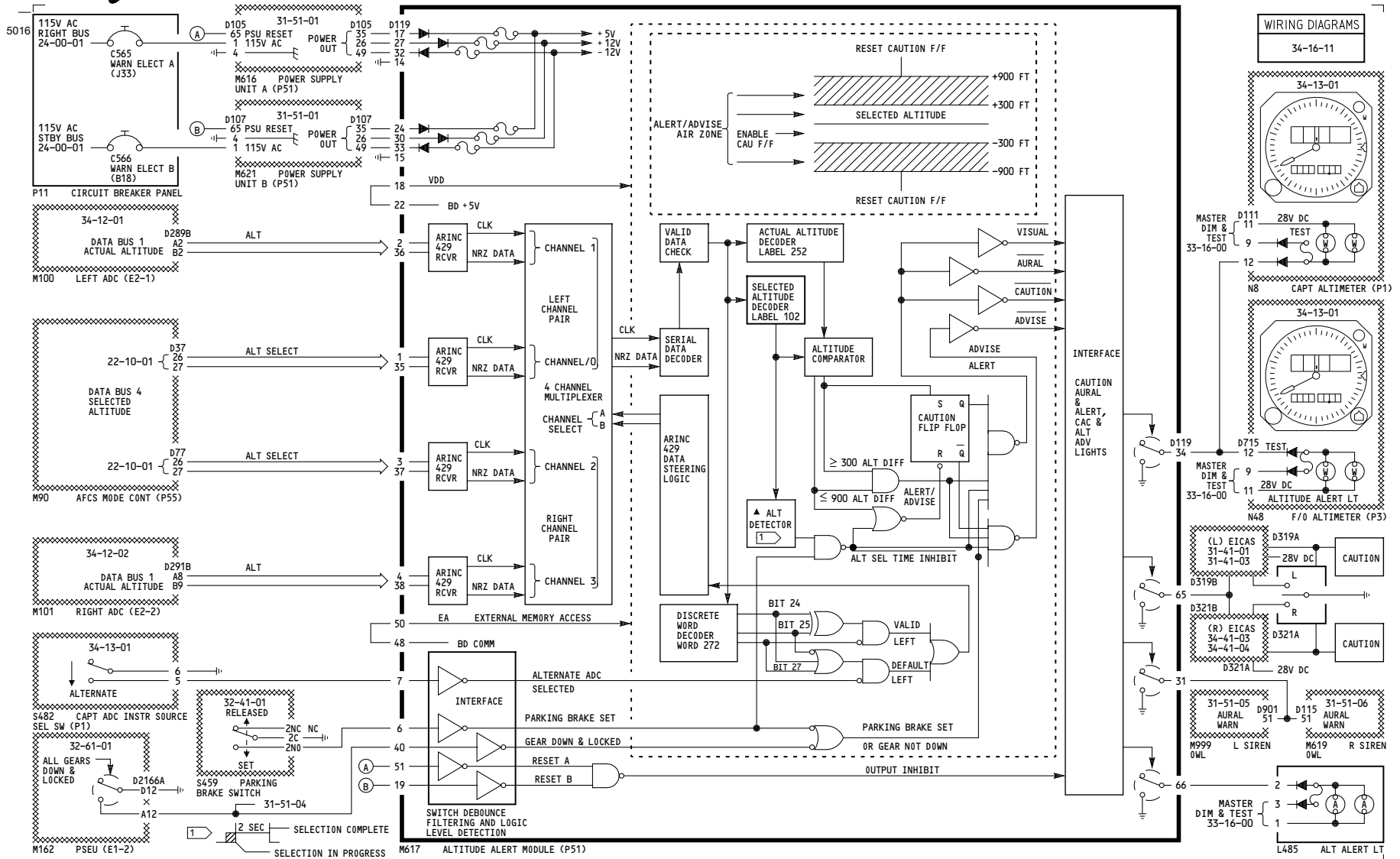


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AIR DATA INSTRUMENTS - LEFT AND RIGHT

D280N032S

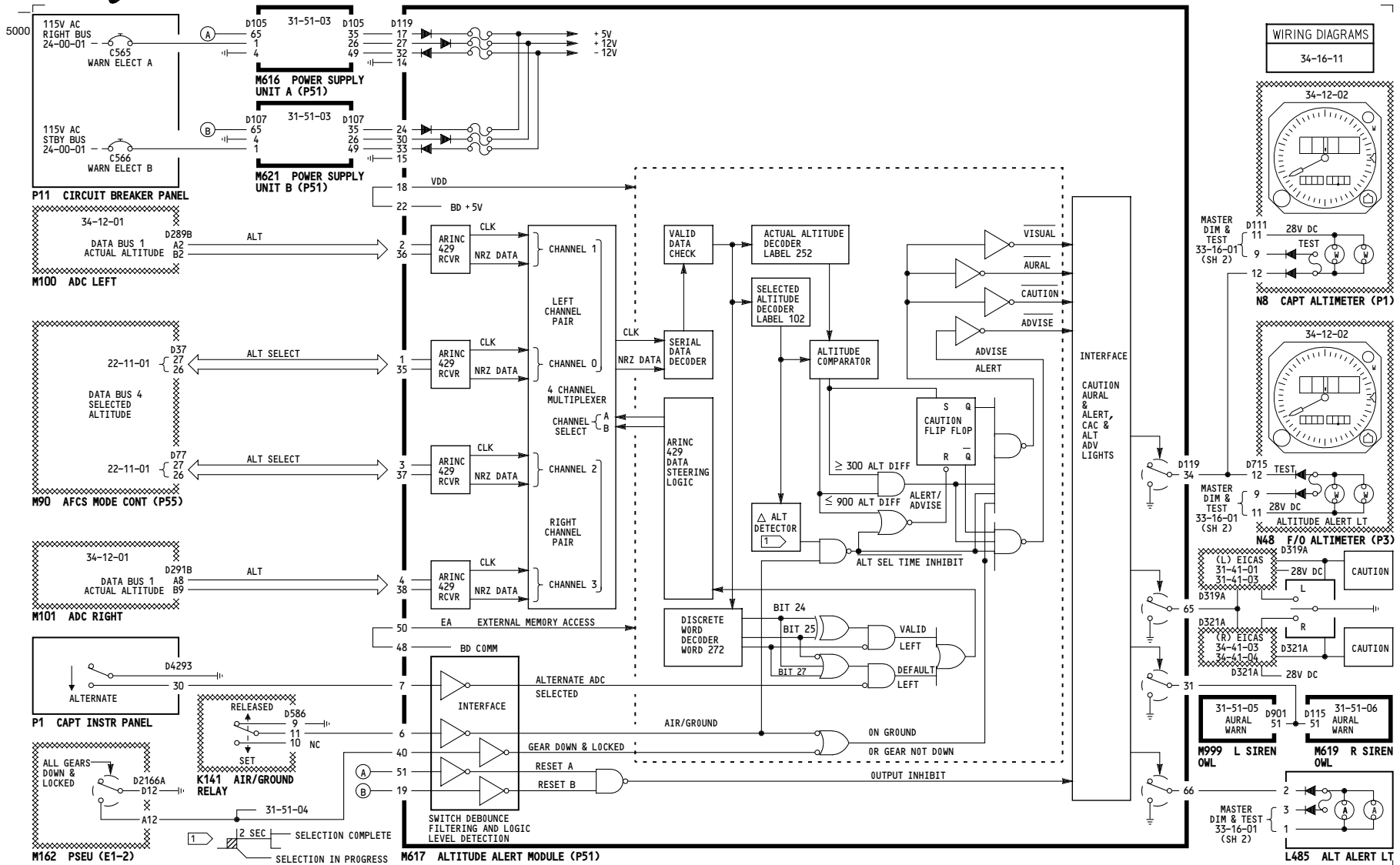
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ALTITUDE ALERT

34-16-01

D280N032S

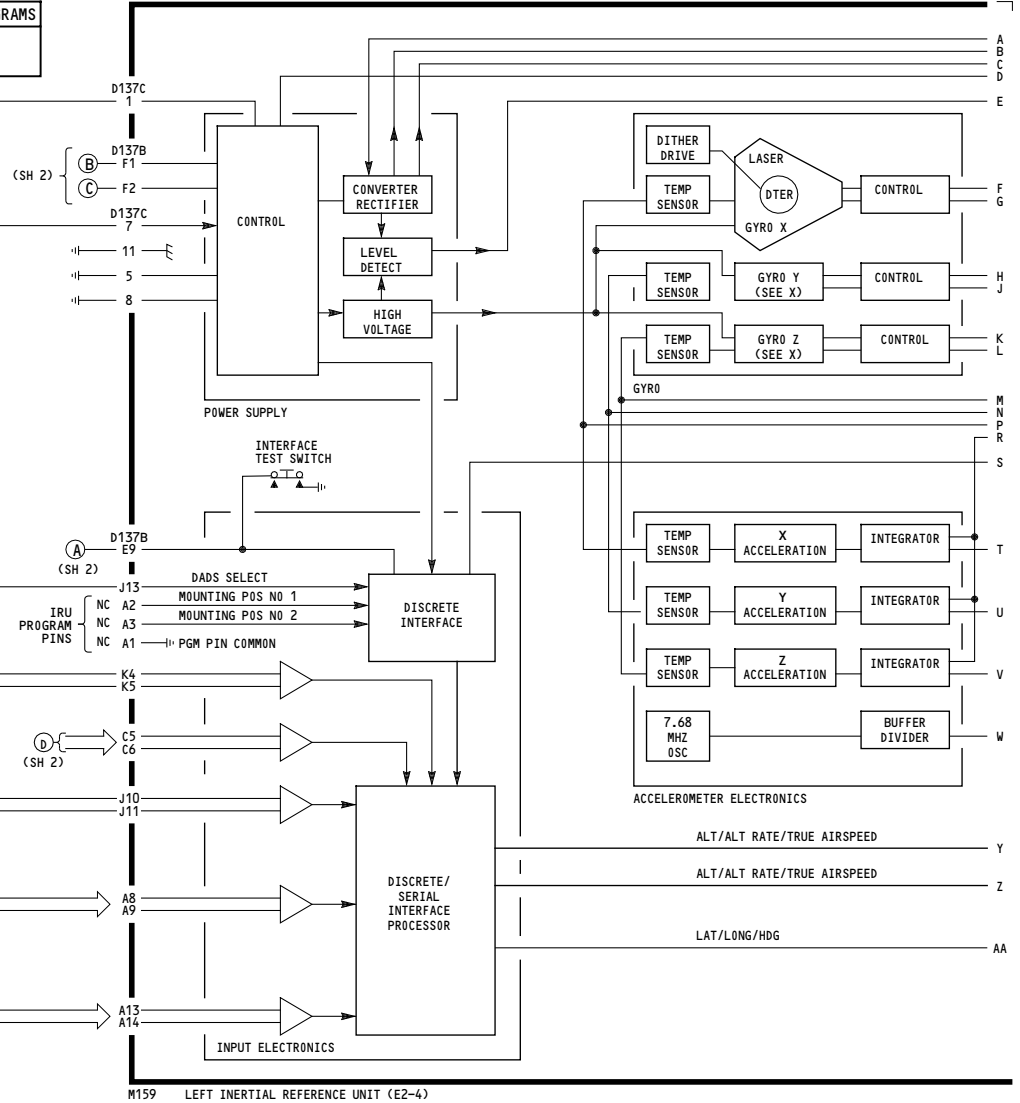
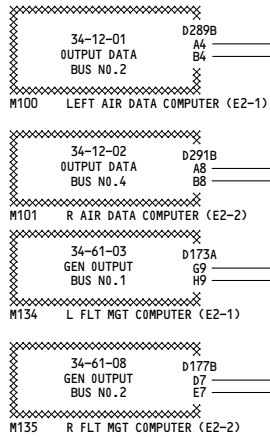
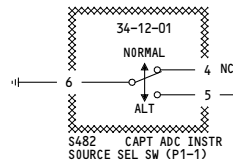
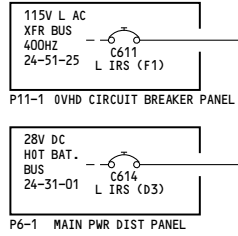


34-16-01

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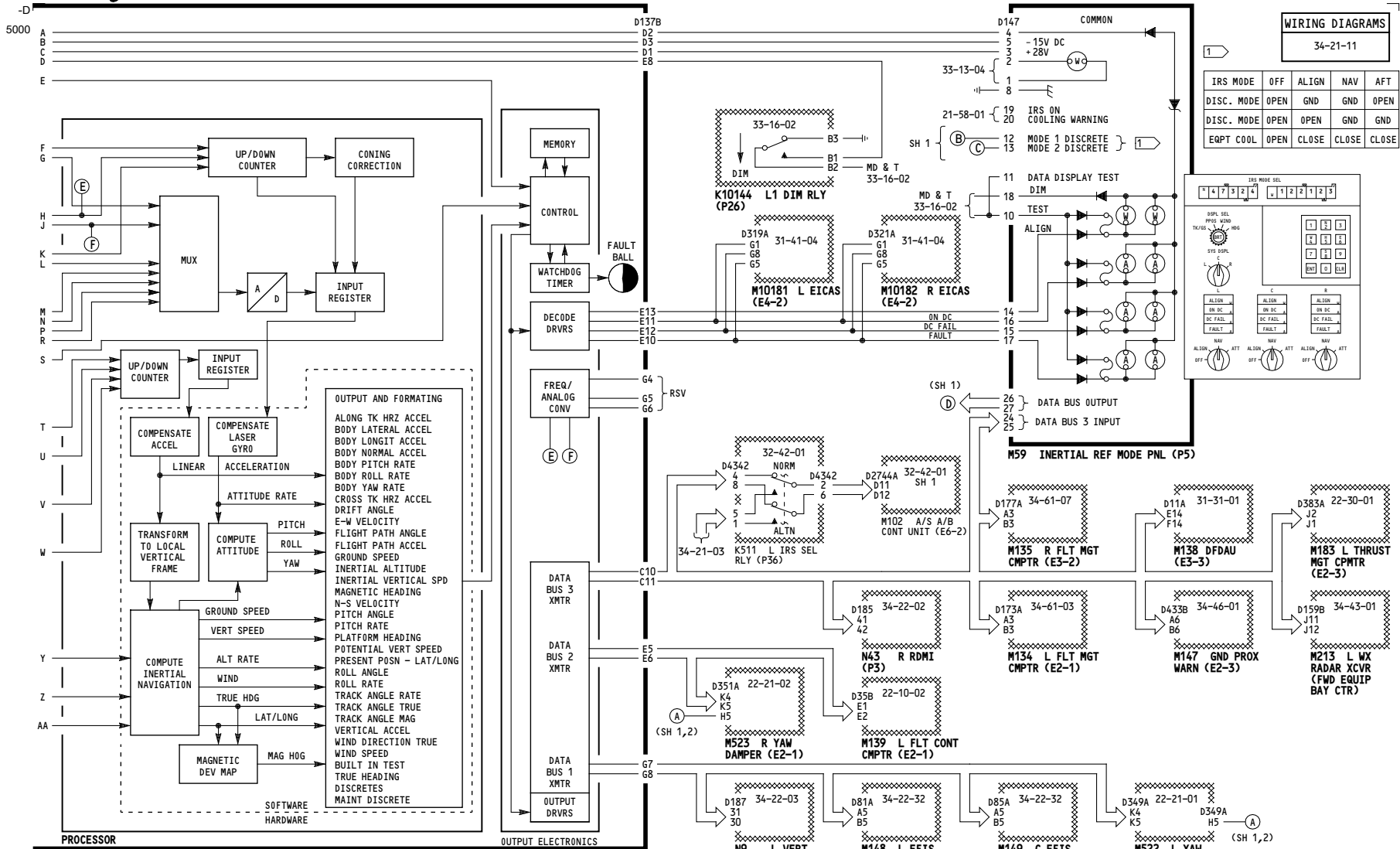
-D
5011

WIRING DIAGRAMS
34-12-61
34-21-11



| | |
|-----------|---|
| 001-099 | INERTIAL REFERENCE SYSTEM - LEFT |
| D280N032S | |

34-21-01



M159 LEFT INERTIAL REFERENCE UNIT (E2-4)

001-099

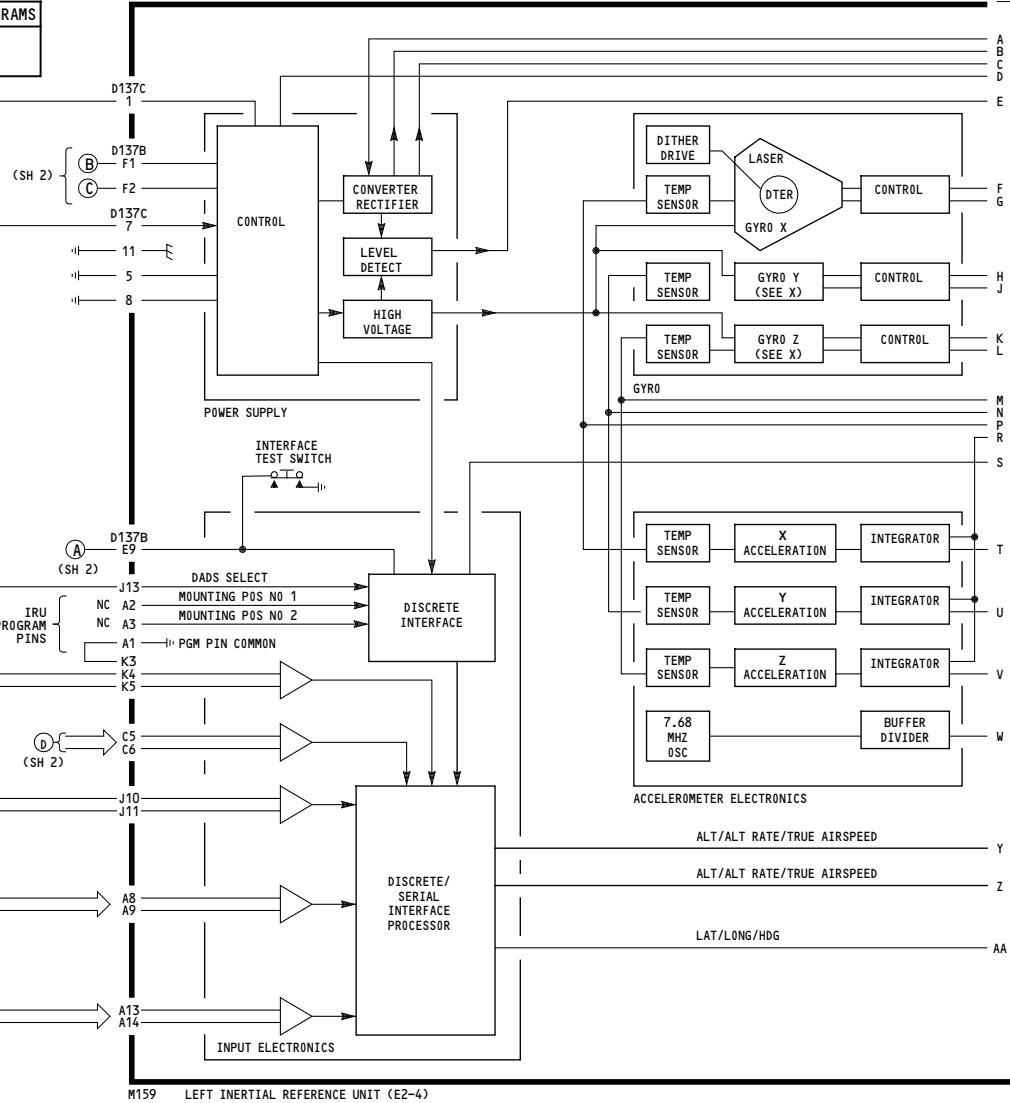
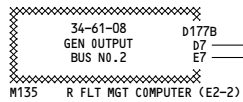
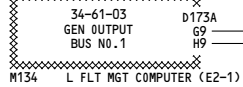
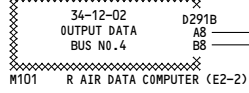
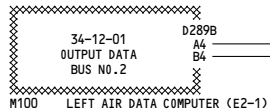
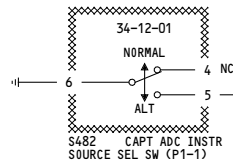
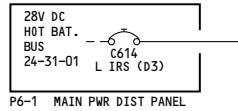
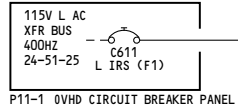
INERTIAL REFERENCE SYSTEM - LEFT

D280N032S

34-21-01

5067

WIRING DIAGRAMS
34-12-61
34-21-11

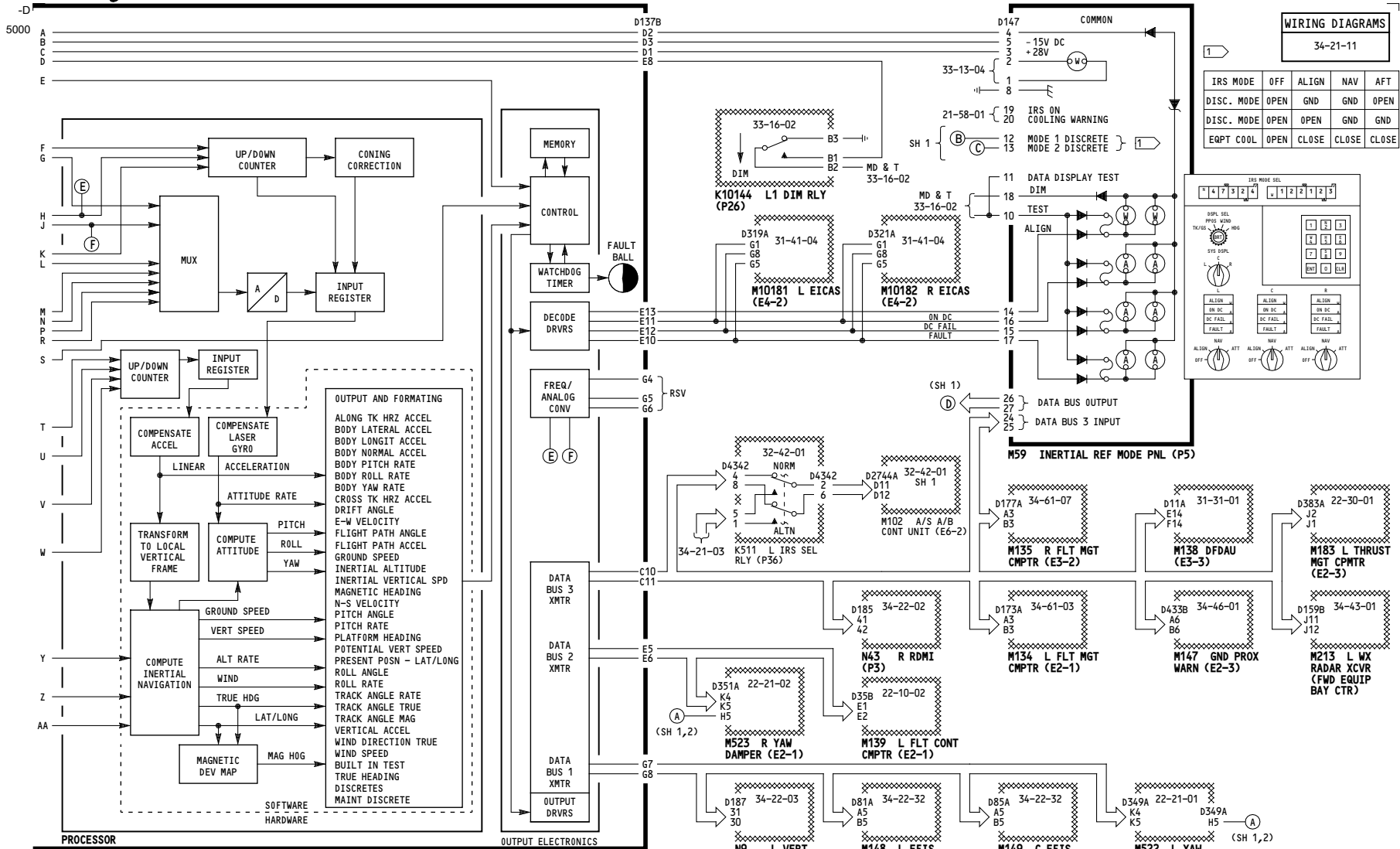


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| 001-011 | INERTIAL REFERENCE SYSTEM - LEFT D280N032S |
| | |

Incorporates
 34-0303
 34-0307 R01

34-21-01

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Sheet 1
Oct 09/2008



M159 LEFT INERTIAL REFERENCE UNIT (E2-4)

001-011

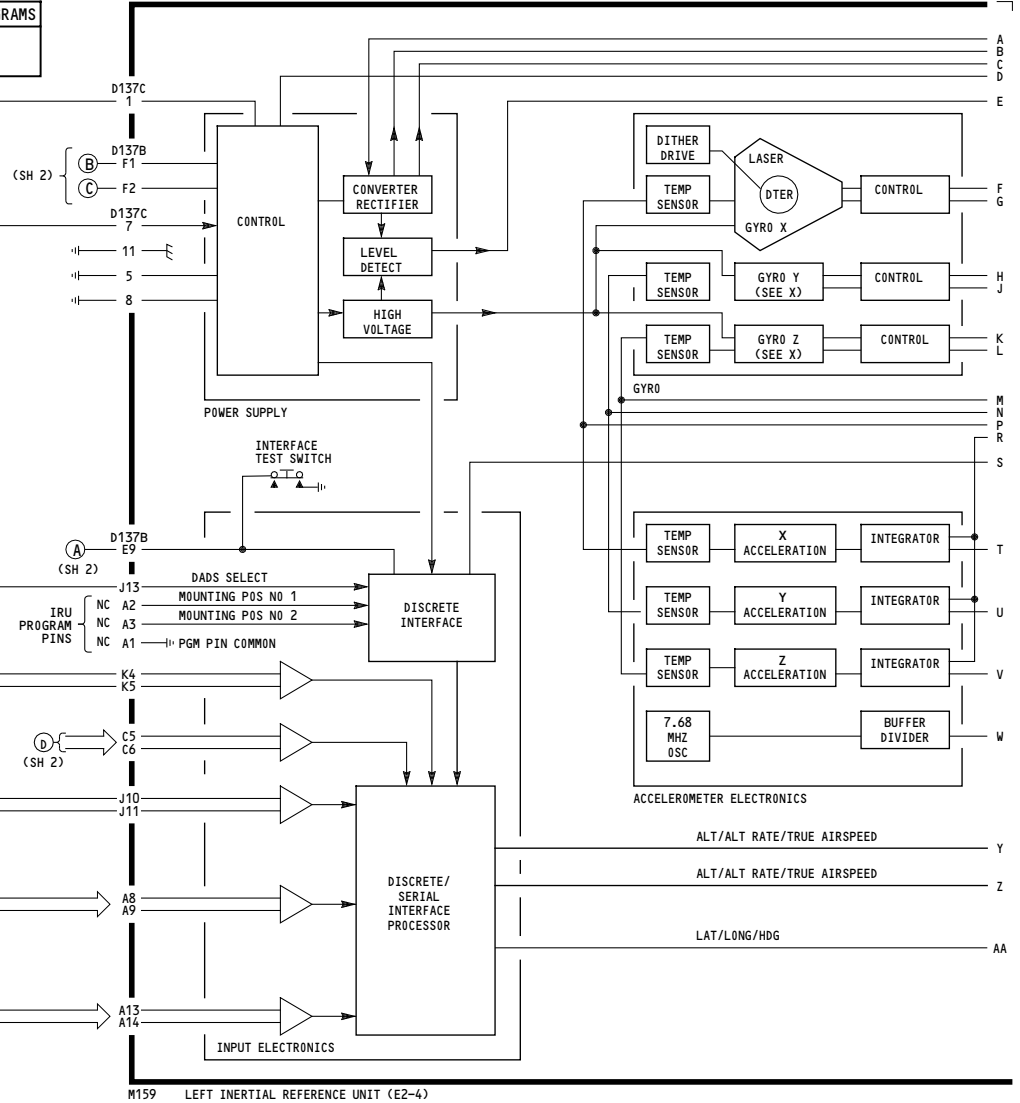
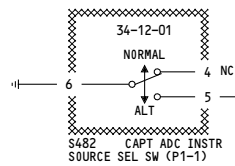
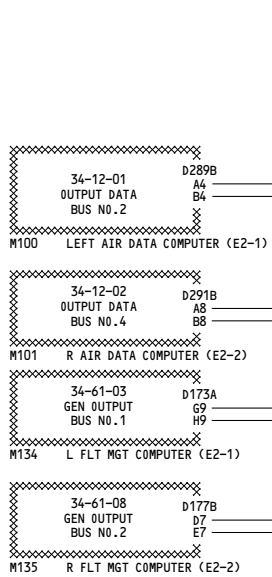
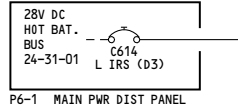
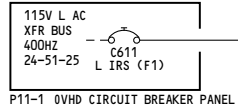
INERTIAL REFERENCE SYSTEM - LEFT

D280N032S

34-21-01

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5011

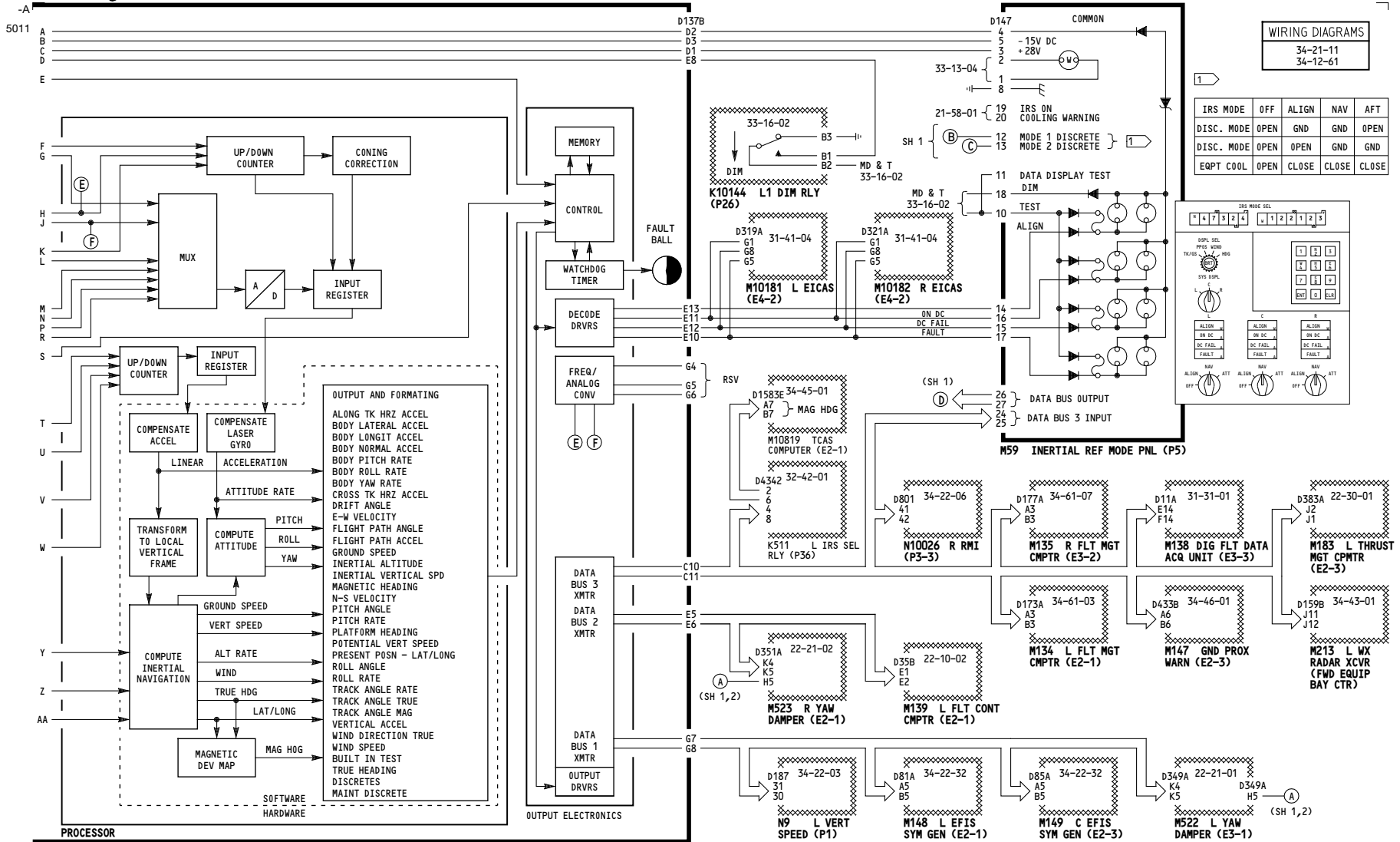
WIRING DIAGRAMS
34-12-61
34-21-11



| | |
|-----------|---|
| 115-199 | INERTIAL REFERENCE SYSTEM - LEFT |
| D280N032S | |

34-21-01

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Sheet 1
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M159 LEFT INERTIAL REFERENCE UNIT (E2-4)

115-199

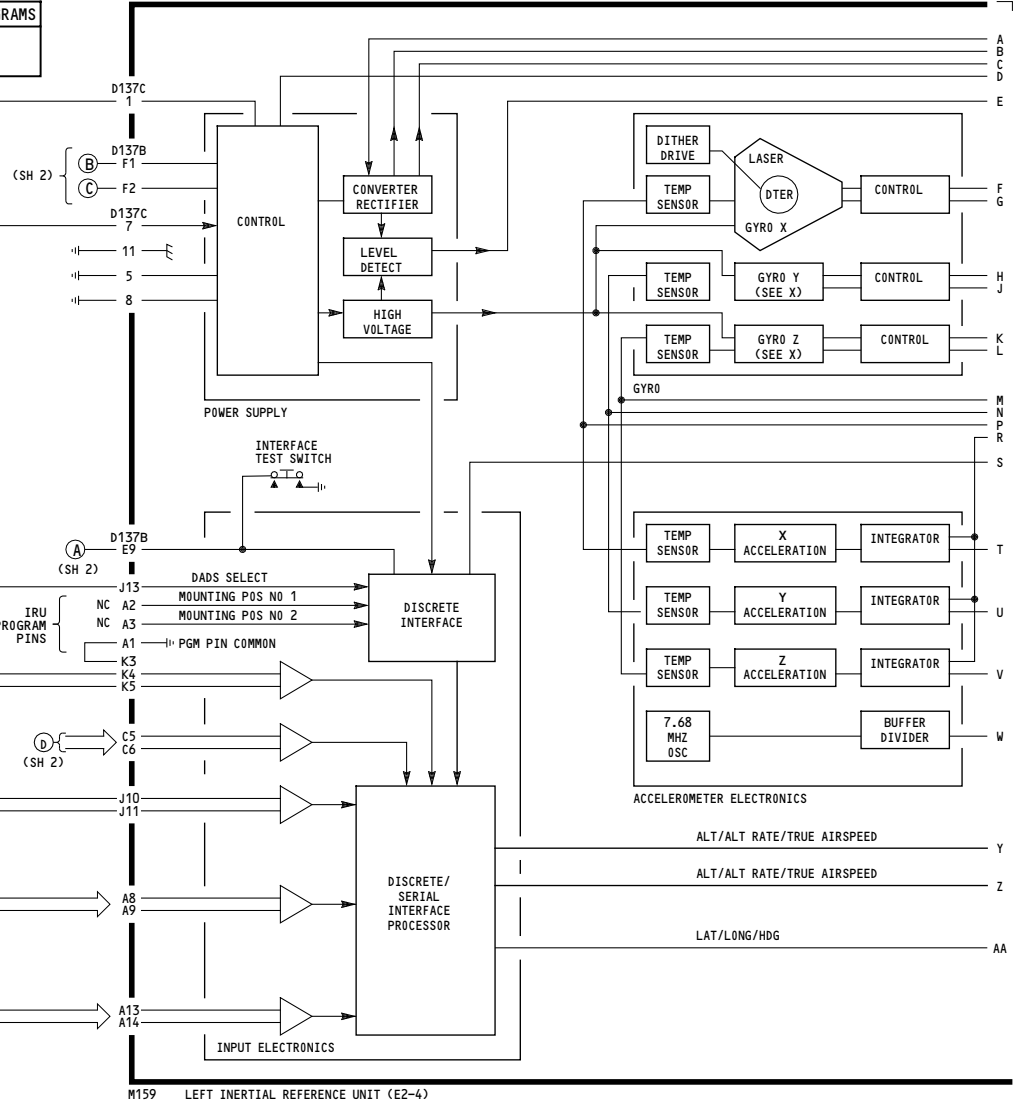
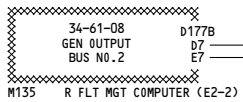
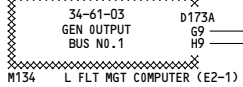
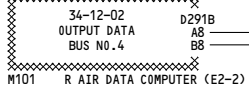
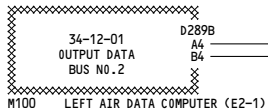
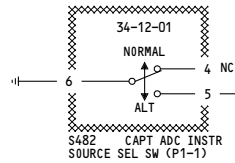
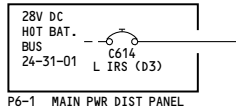
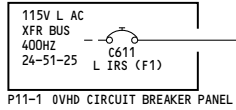
INERTIAL REFERENCE SYSTEM - LEFT

D280N032S

34-21-01

5067

WIRING DIAGRAMS
34-12-61
34-21-11

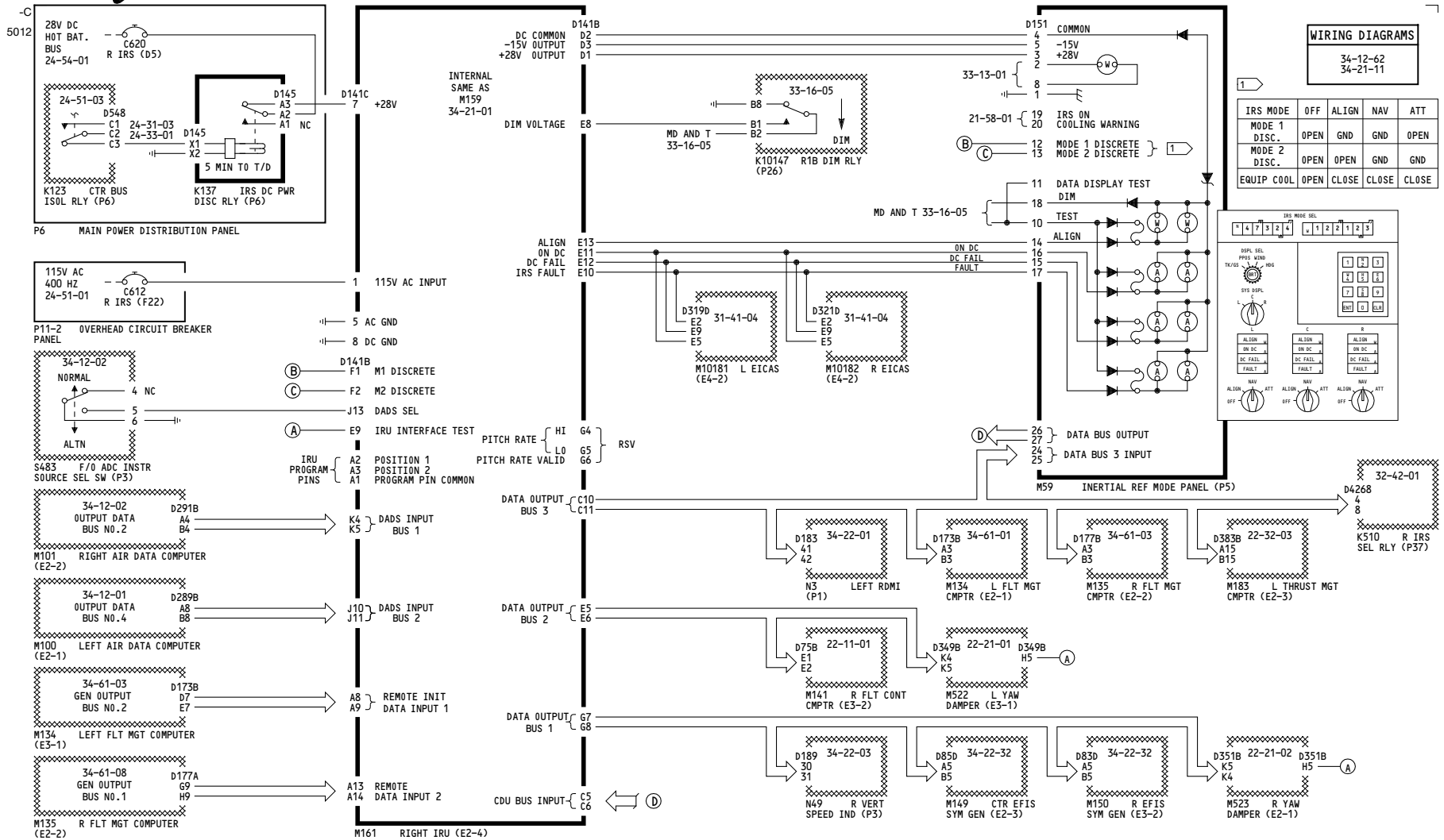


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|-----|---|
| 115 | <p>INERTIAL REFERENCE SYSTEM - LEFT</p> <p>D280N032S</p> |
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Incorporates
 34-0303
 34-0307 R01

34-21-01

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001-099

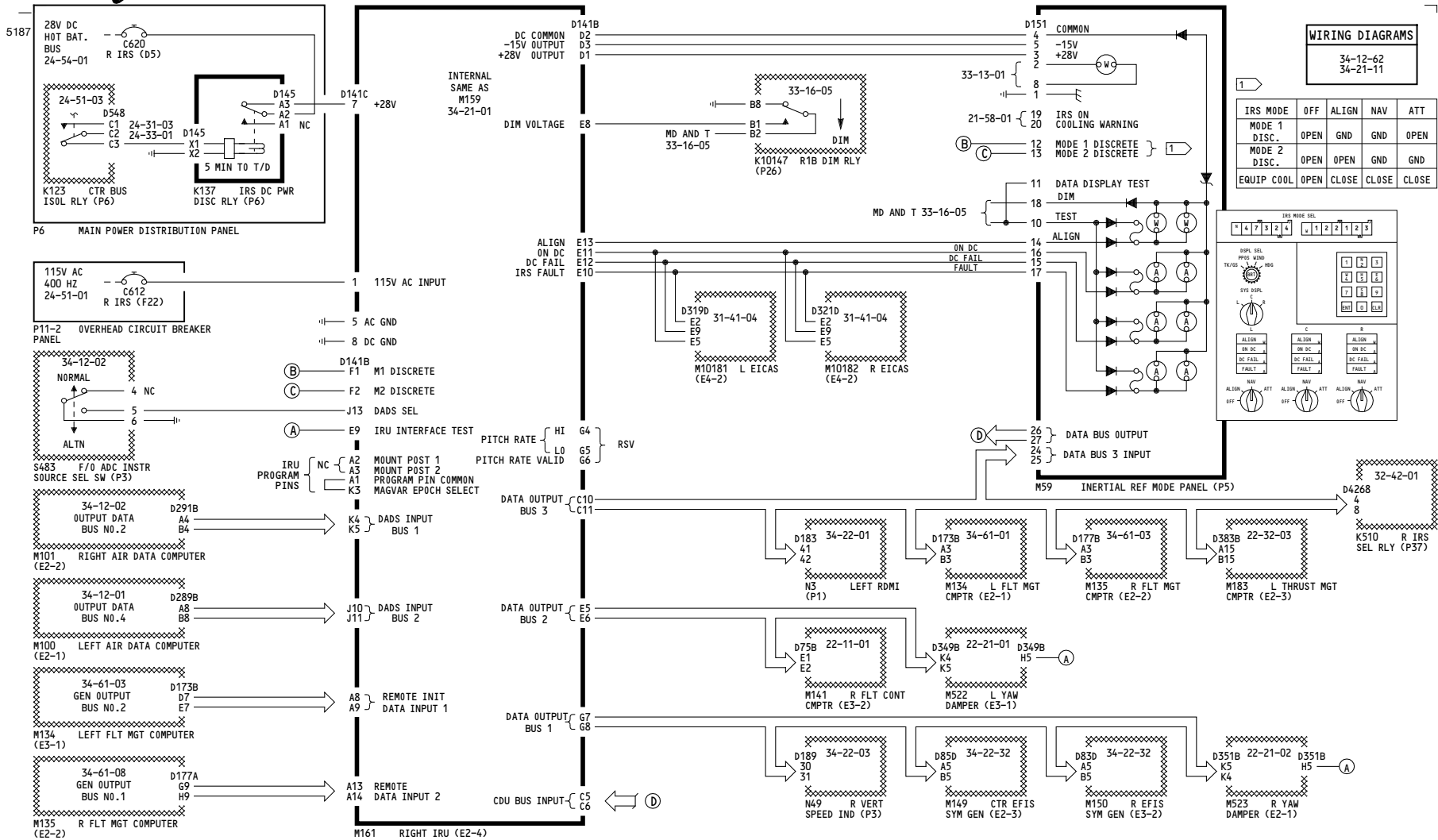
INERTIAL REFERENCE SYSTEM - RIGHT

D280N032S

34-21-02

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001, 003-011

INERTIAL REFERENCE SYSTEM - RIGHT

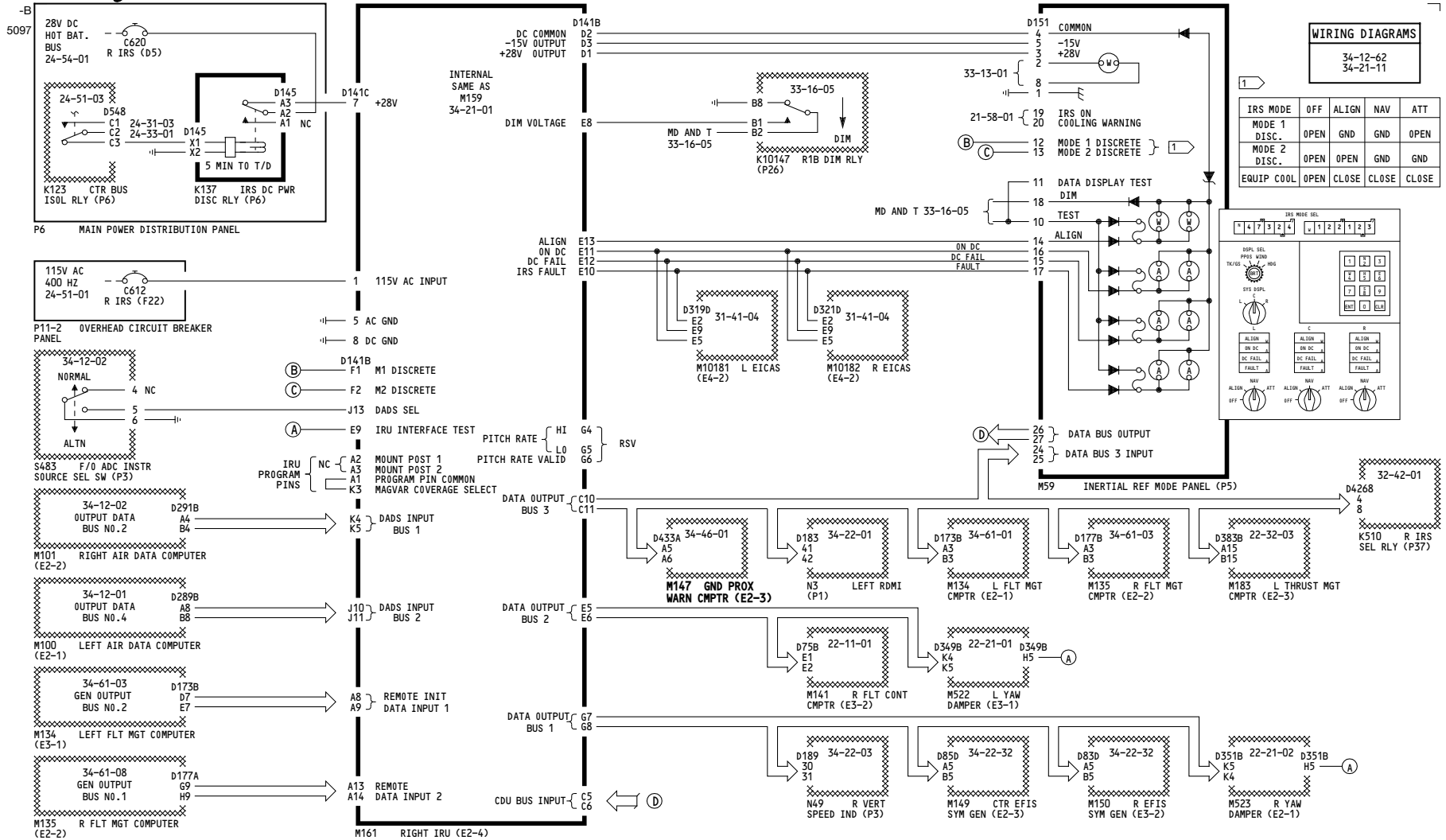
- Incorporates
- ▶▶ 34-0303
- ▶▶ 34-0307 R01

D280N032S

34-21-02

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002

INERTIAL REFERENCE SYSTEM - RIGHT

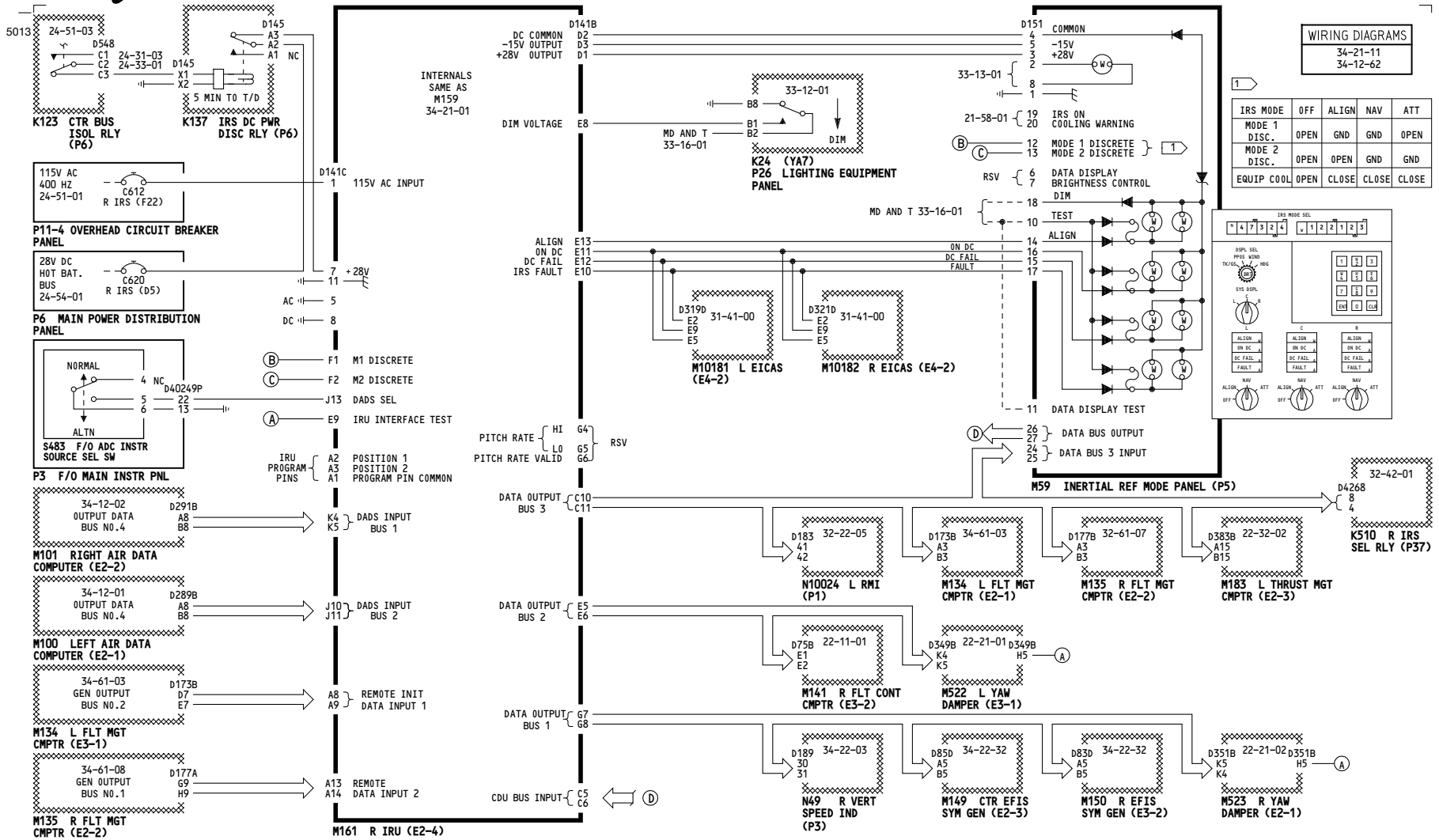
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- ▶▶ 34-0200
 - ▶▶ 34-0303
 - ▶▶ 34-0307 R01

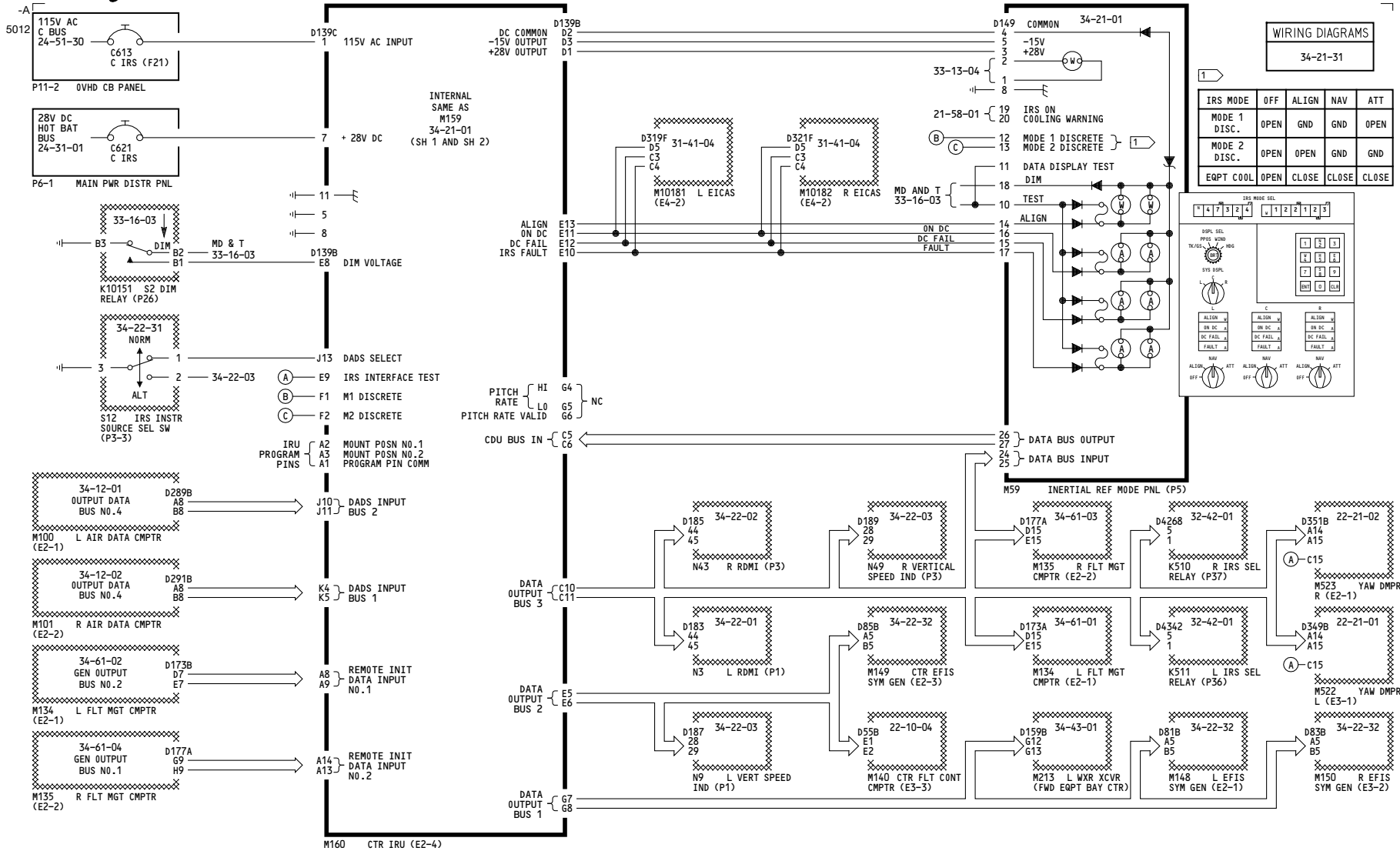
D280N032S

34-21-02

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001-099

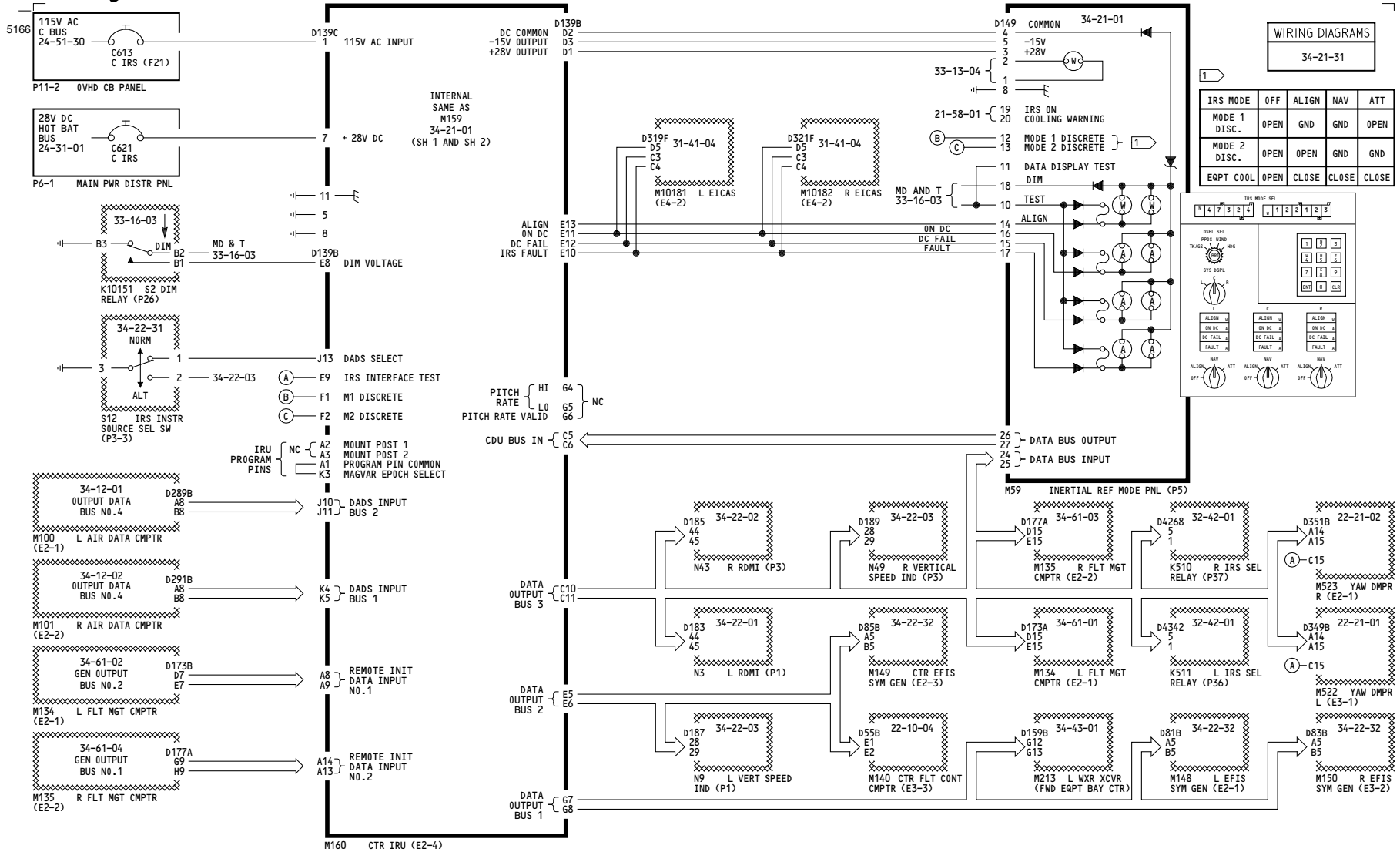
INERTIAL REFERENCE SYSTEM - CENTER

D280N032S

34-21-03

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001-011

INERTIAL REFERENCE SYSTEM - CENTER

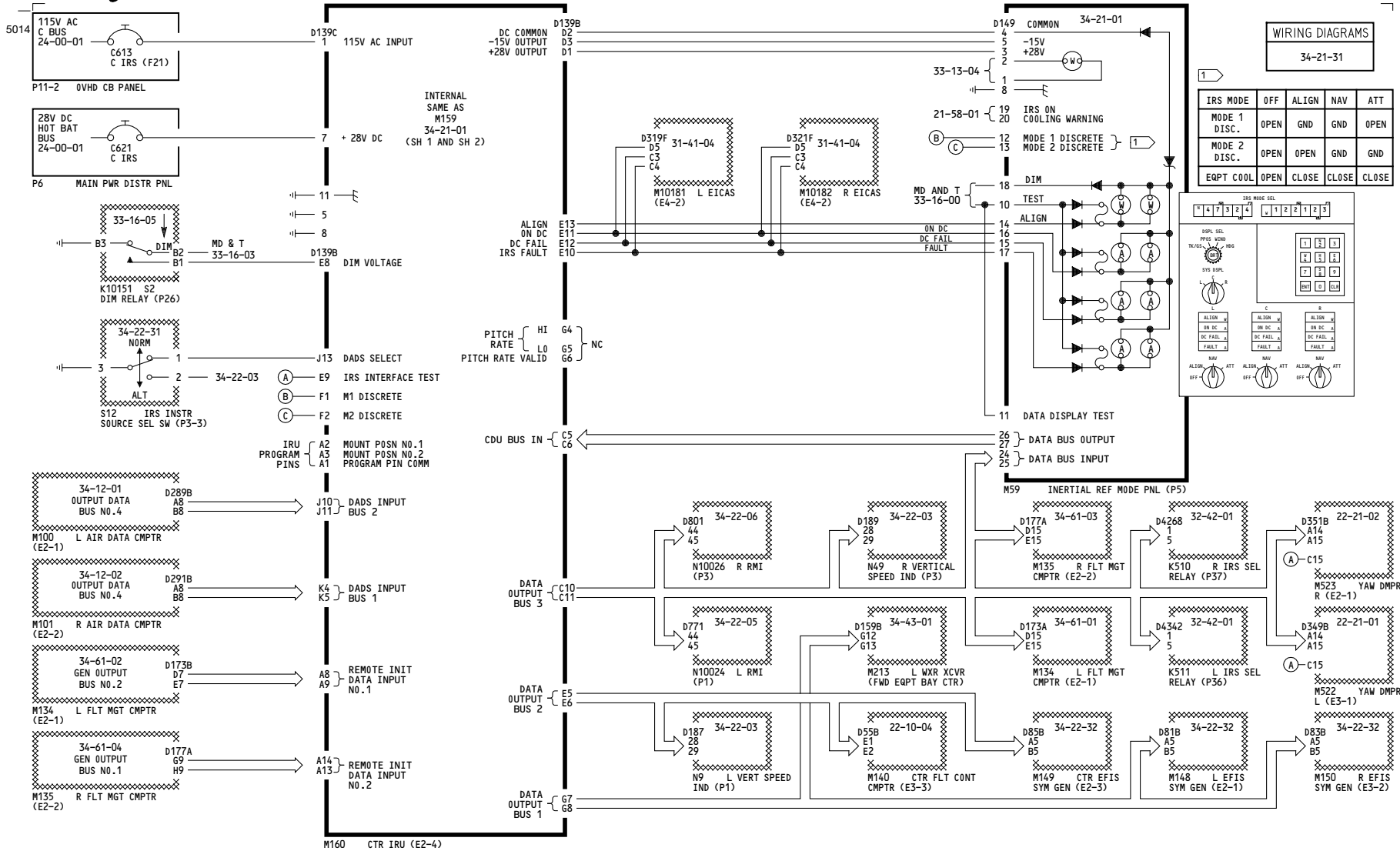
D280N032S

Incorporates
 34-0303
 34-0307 R01

34-21-03

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115-199

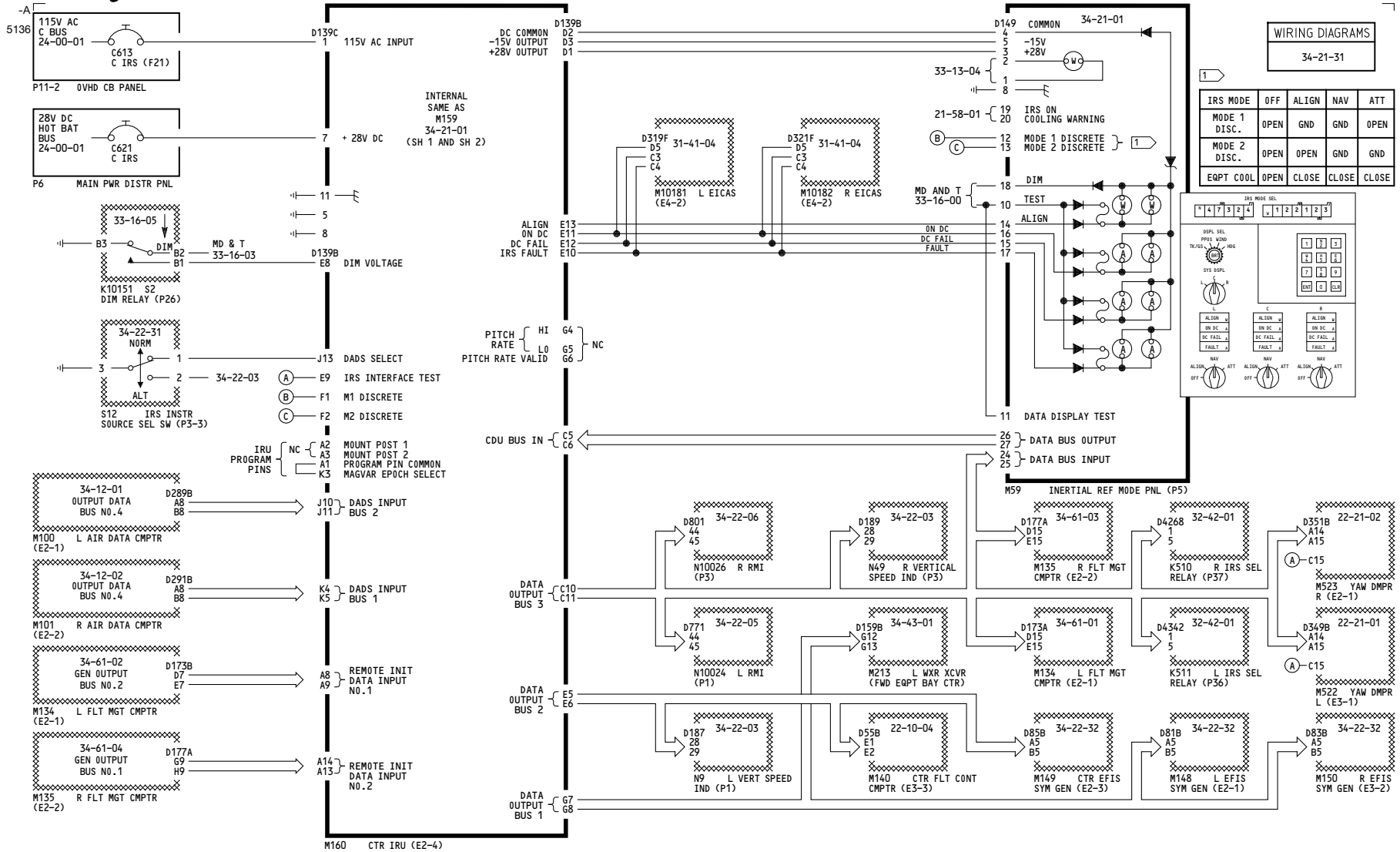
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D280N032S

34-21-03

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115

INERTIAL REFERENCE SYSTEM - CENTER

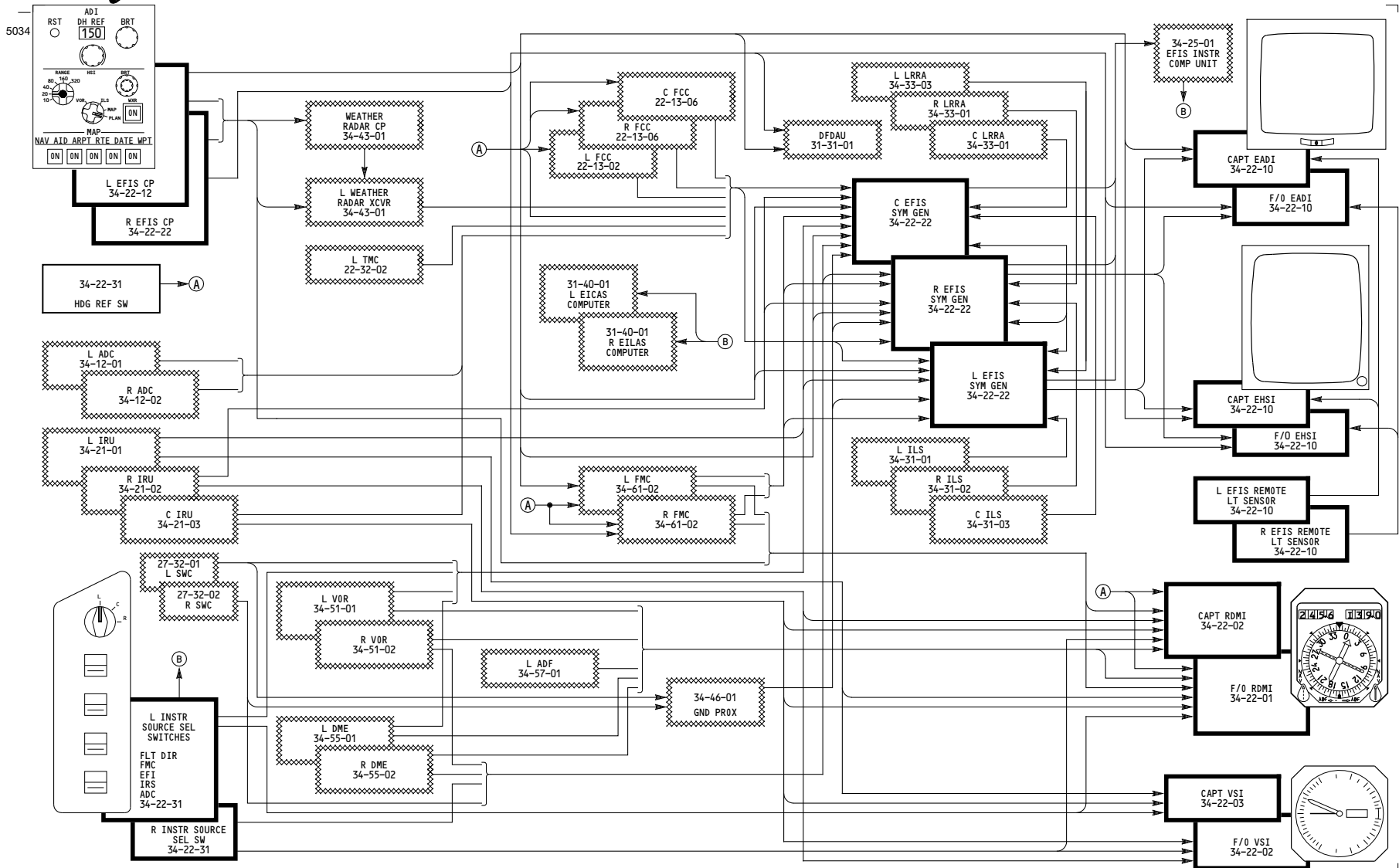
- Incorporates
- 34-0303
- 34-0307 R01

D280N032S

34-21-03

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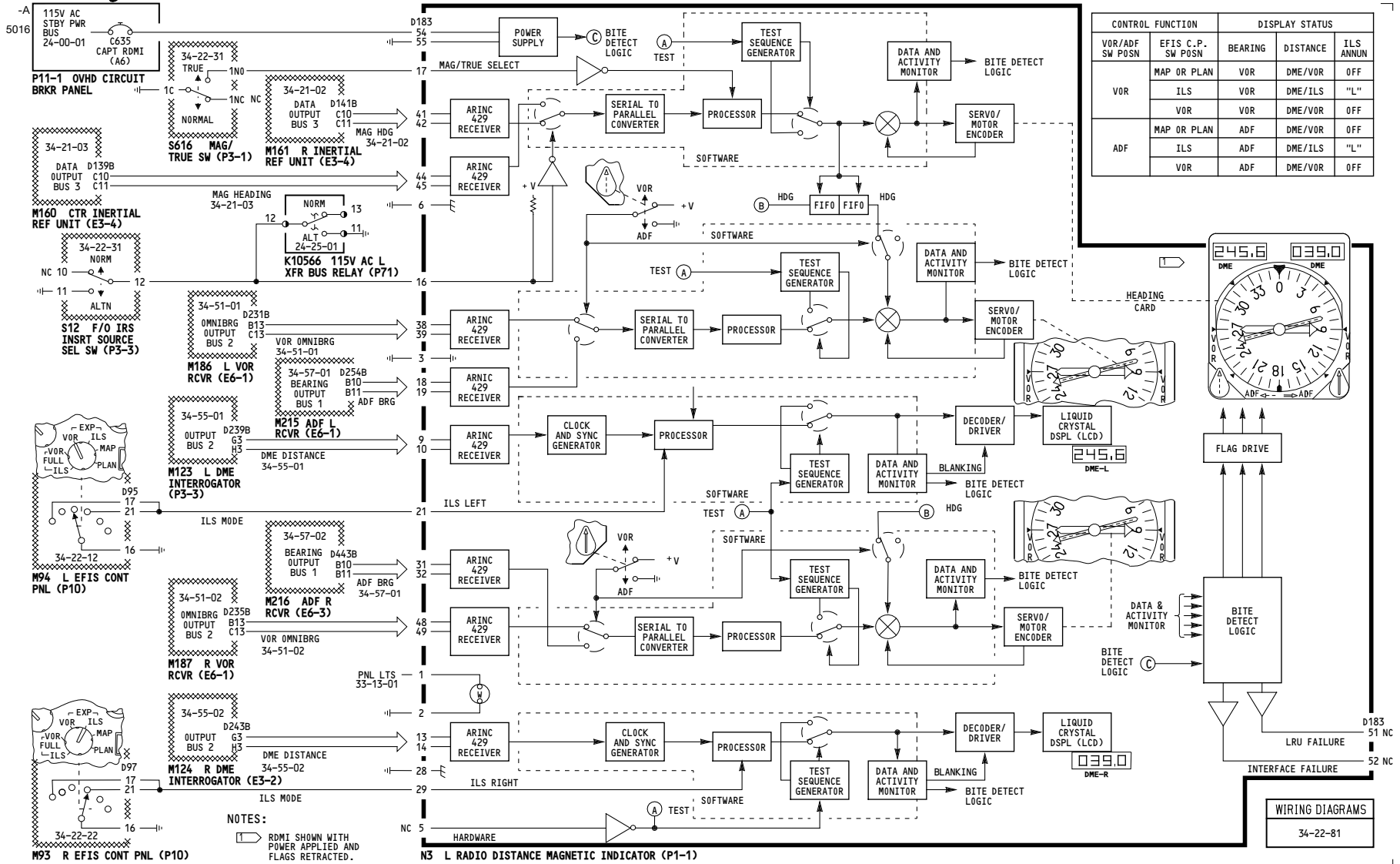


001-099

**FLIGHT INSTRUMENT SYSTEM
- SIMPLIFIED**

D280N032S

34-22-00

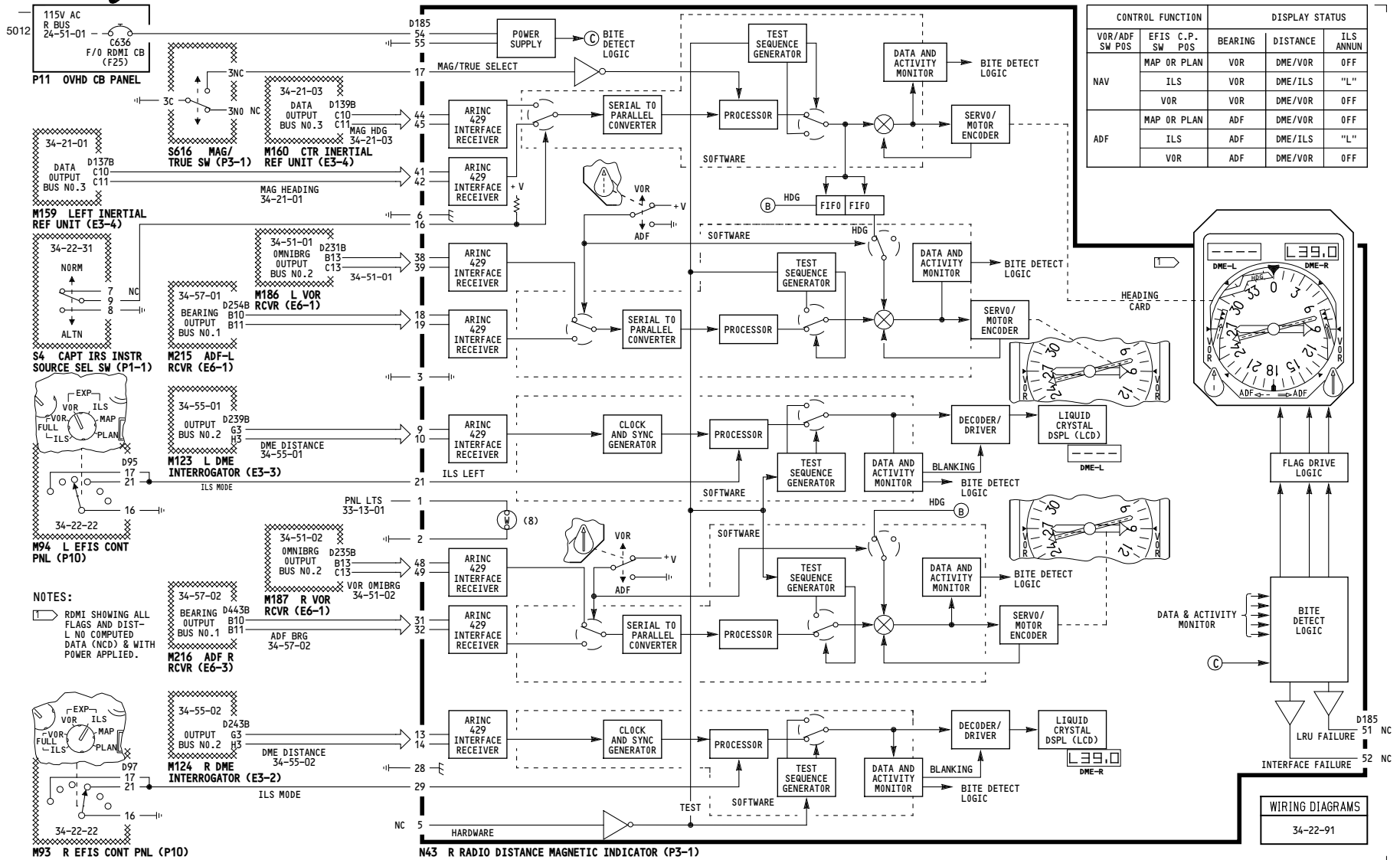


001-099

RDMI, BEARING, HEADING AND DISTANCE - LEFT

D280N032S

34-22-01



NOTES:
 RDMI SHOWING ALL FLAGS AND DIST-L NO COMPUTED DATA (NCD) & WITH POWER APPLIED.

001-099

RDMI, BEARING, HEADING AND DISTANCE - RIGHT

D280N032S

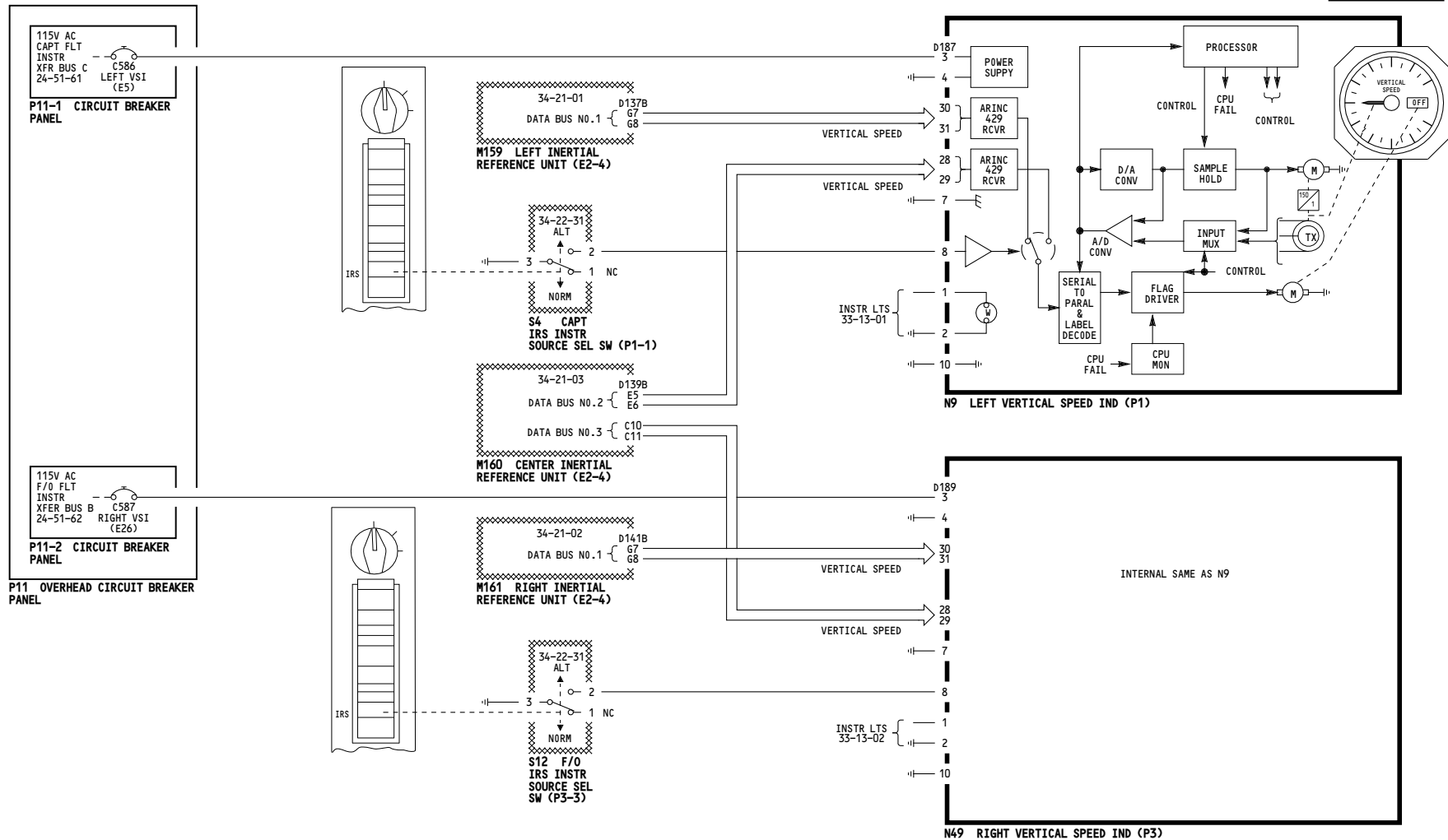
34-22-02

Page 101

Jan 21/2005

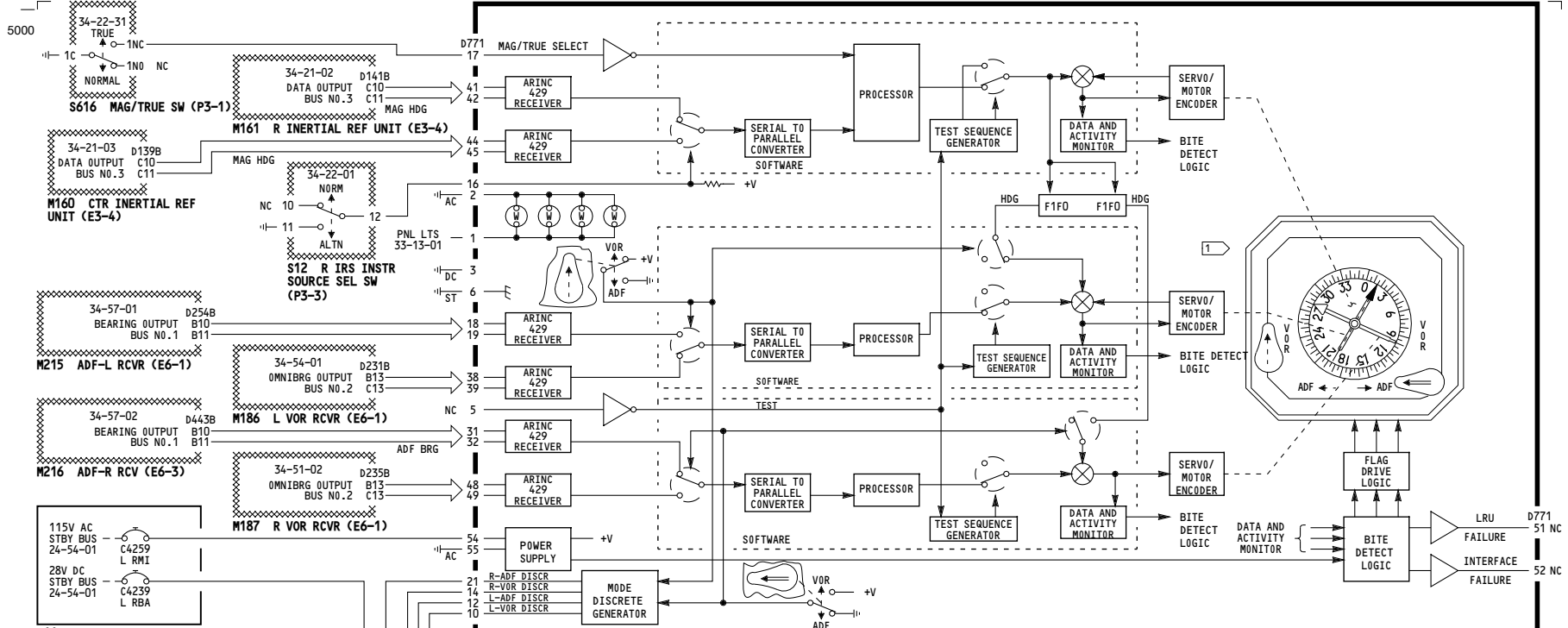
-B
5000

WIRING DIAGRAMS
34-22-82
34-22-92



| | |
|-----|--|
| ALL | VSI VERTICAL SPEED - LEFT AND RIGHT |
| | D280N032S |

34-22-03



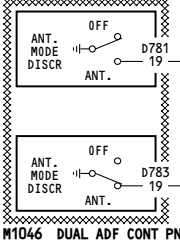
P11 OVHD CIRCUIT BRKR PNL

ANNUNCIATOR TRUTH TABLE

| INPUT | | | | OUTPUT | |
|-------|---|---|---|--------|---------------|
| A | B | C | X | Y | PRISM DISPLAY |
| 0 | 0 | 0 | 0 | 0 | BLANK |
| 0 | 0 | 1 | 0 | 0 | BLANK |
| 0 | 1 | 0 | 1 | 0 | VOR |
| 0 | 1 | 1 | 1 | 0 | VOR |
| 1 | 0 | 0 | 0 | 0 | BLANK |
| 1 | 0 | 1 | 0 | 1 | ADF |
| 1 | 1 | 0 | 0 | 0 | BLANK |
| 1 | 1 | 1 | 0 | 0 | BLANK |

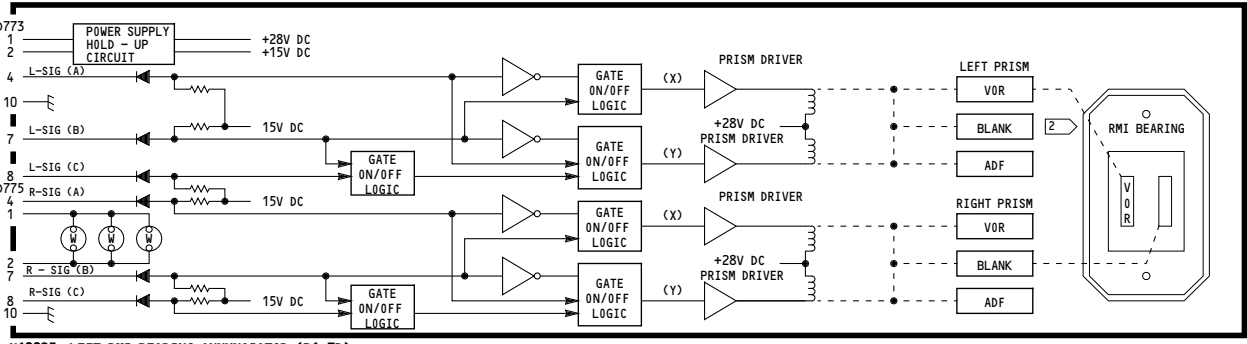
0 = GND < 3.5V, 1 = 10 - 32V
 A = VOR, B = ADF, C = ADF ANT.

1 → RMI SHOWING VOR-L, ADF-R MODES AND PWR APPLIED
 2 → RBA SHOWING VOR-L AND ADF ANT-L ANN. AND PWR APPLIED



M1046 DUAL ADF CONT PNL (P8)

M10024 LEFT RADIO MAGNETIC INDICATOR (P1-3R)

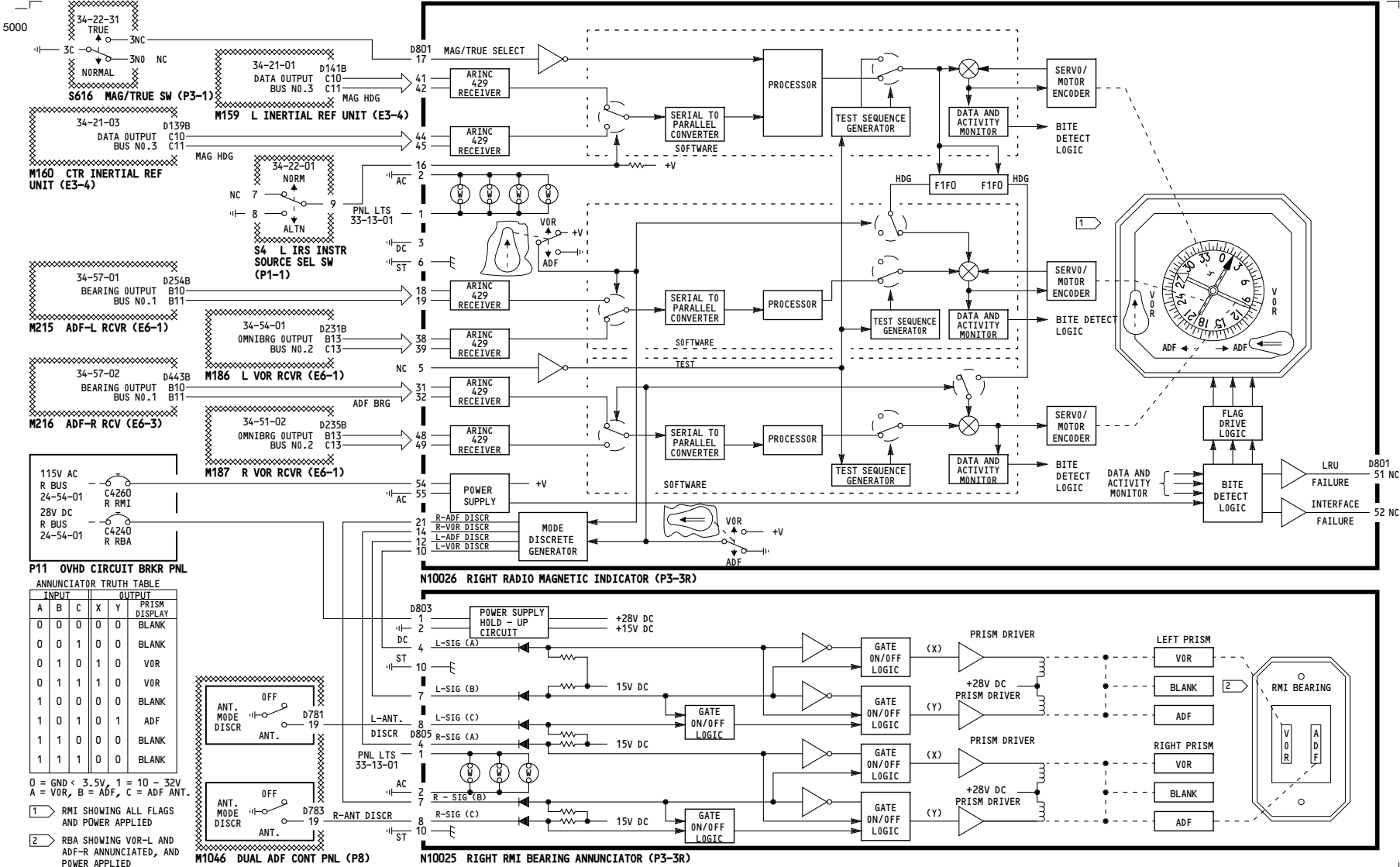


M10025 LEFT RMI BEARING ANNUNCIATOR (P1-3R)

RADIO MAGNETIC INDICATOR AND ANNUNCIATION - LEFT

D280N032S

34-22-05



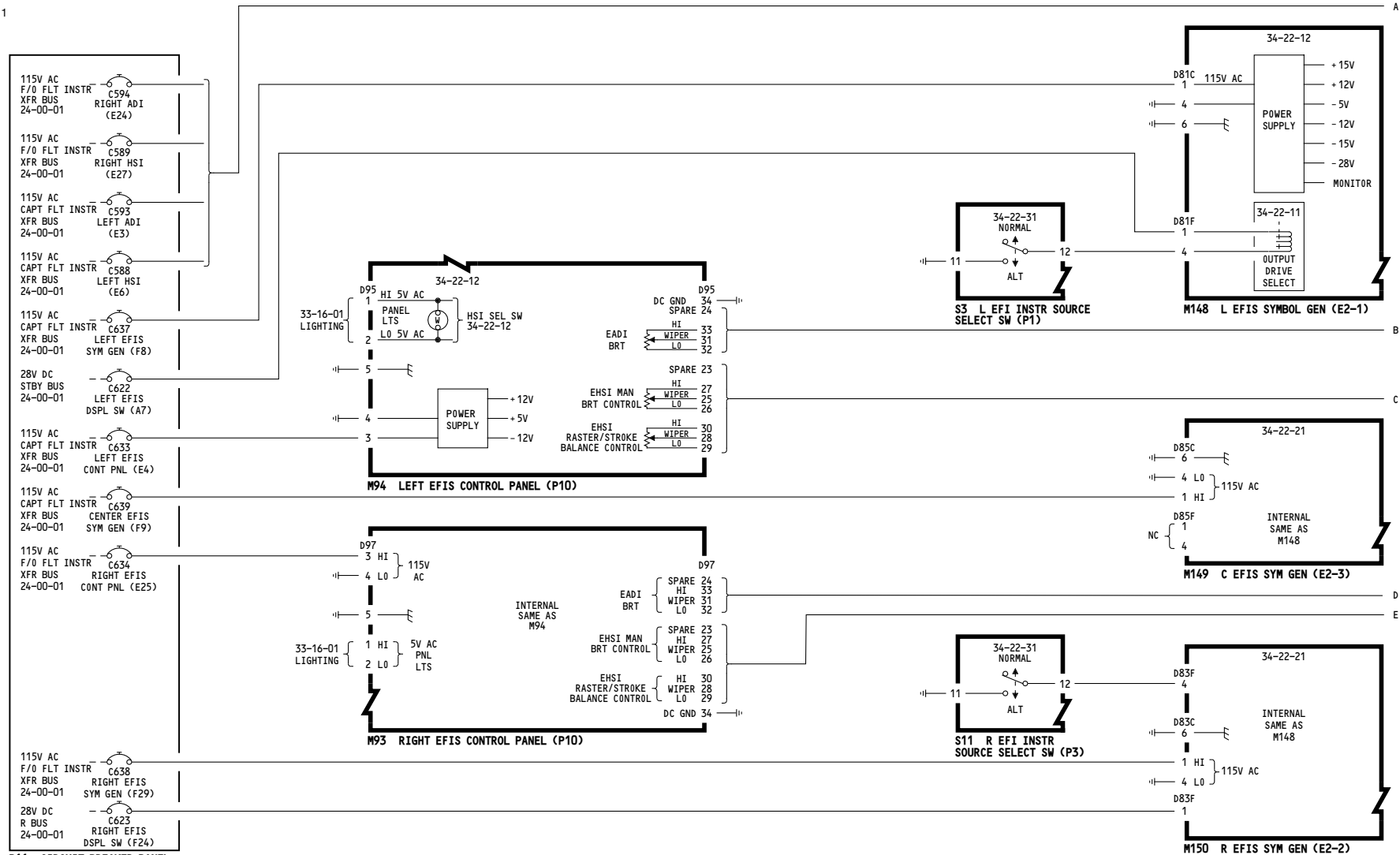
115-199

RADIO MAGNETIC INDICATOR AND ANNUNCIATION - RIGHT

D280N032S

34-22-06

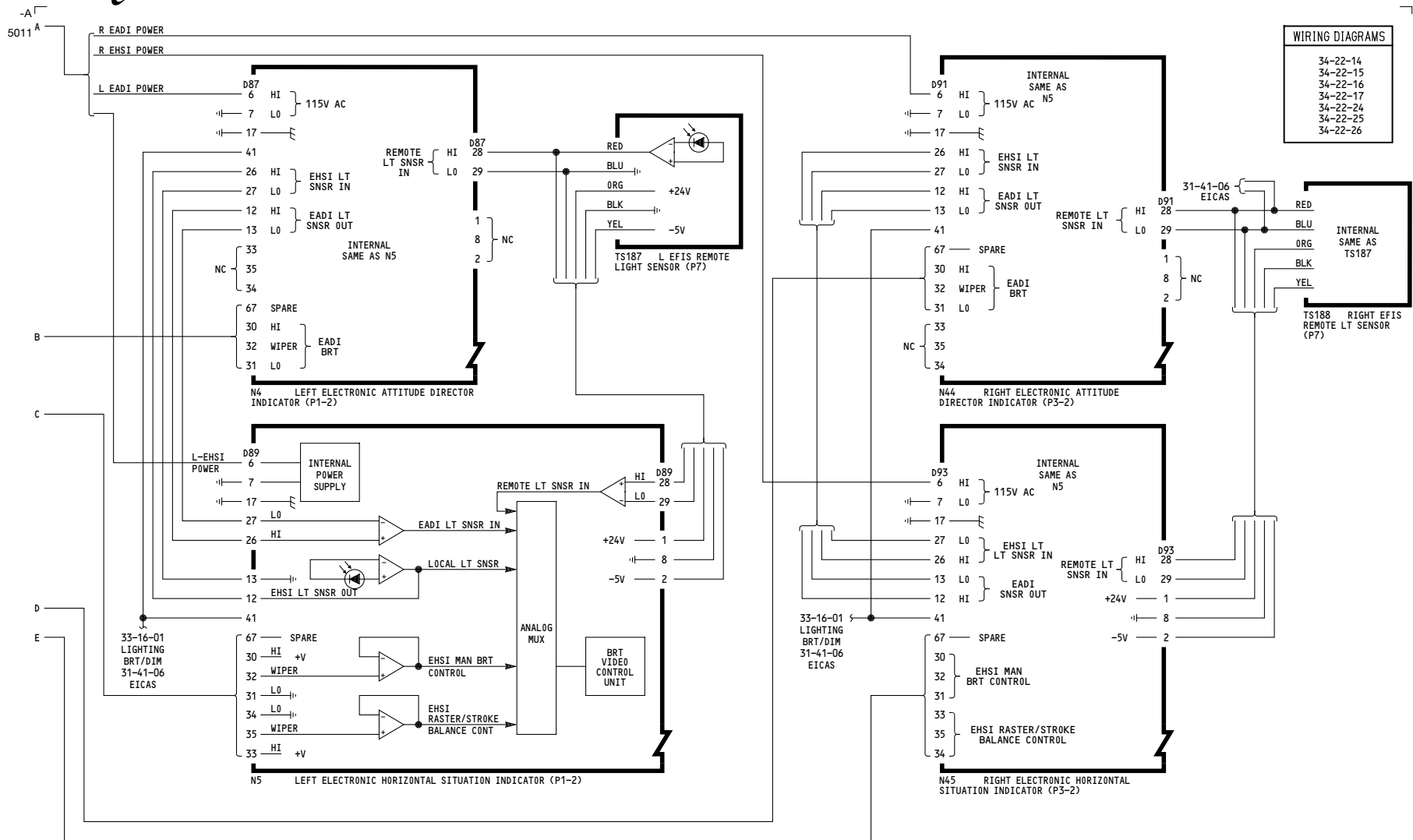
5011



M11 CIRCUIT BREAKER PANEL

| | |
|---------|--|
| 001-099 | <p>EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING</p> <p>D280N032S</p> |
|---------|--|

34-22-10



001-099

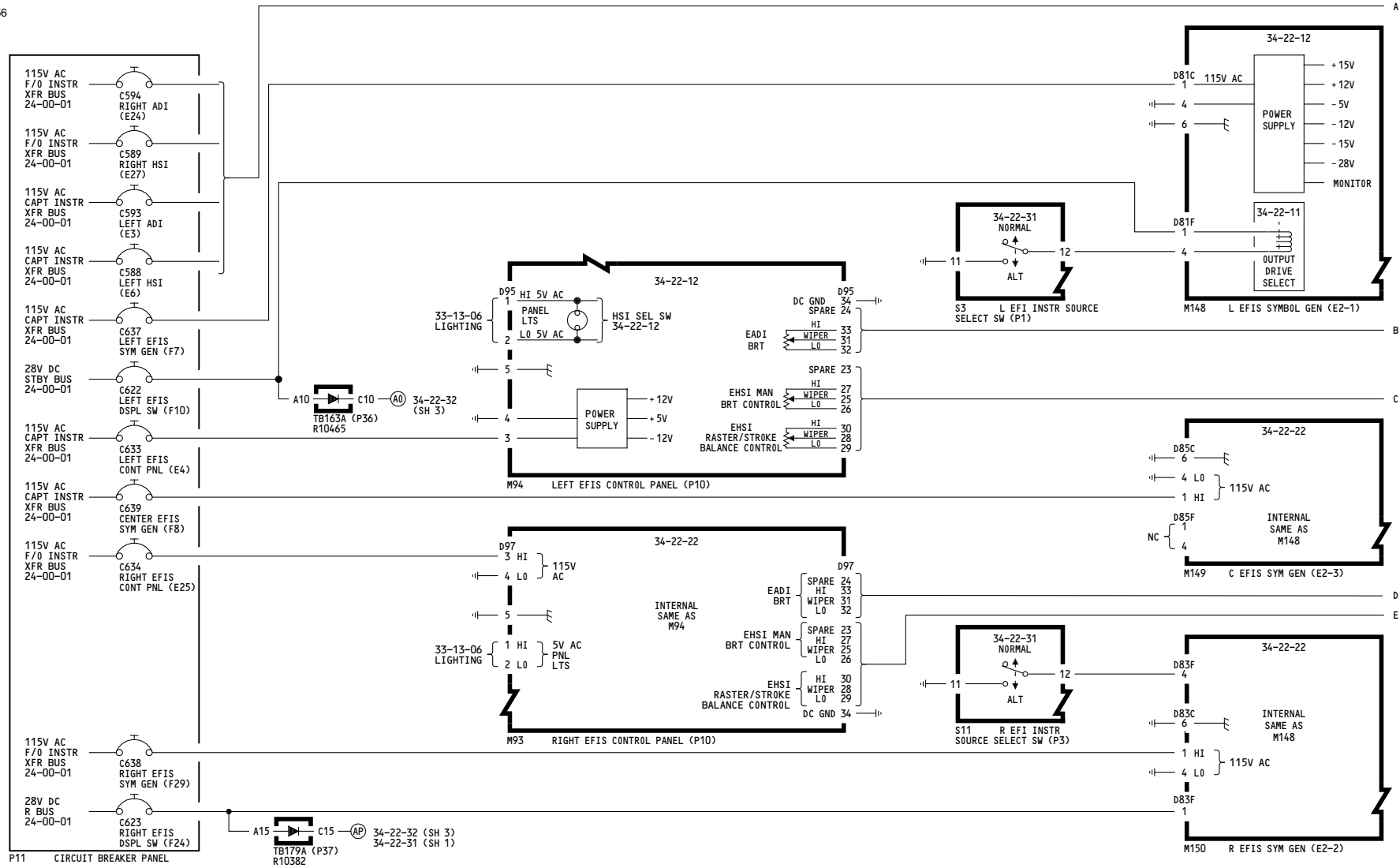
EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING

D280N032S

34-22-10

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Sheet 2
Jan 21/2005

5056



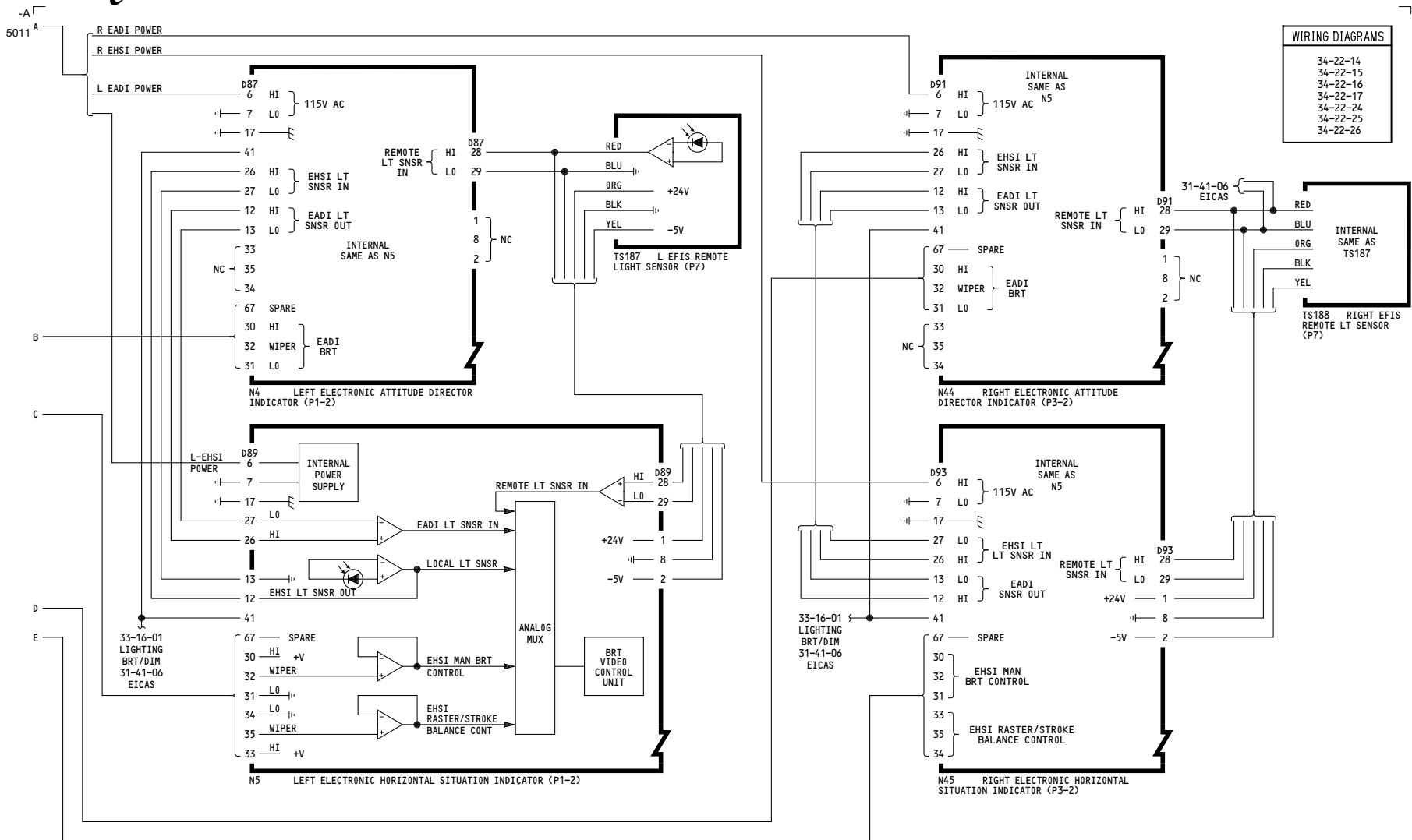
002

EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING

D280N032S

Incorporates
34-0200

34-22-10



002

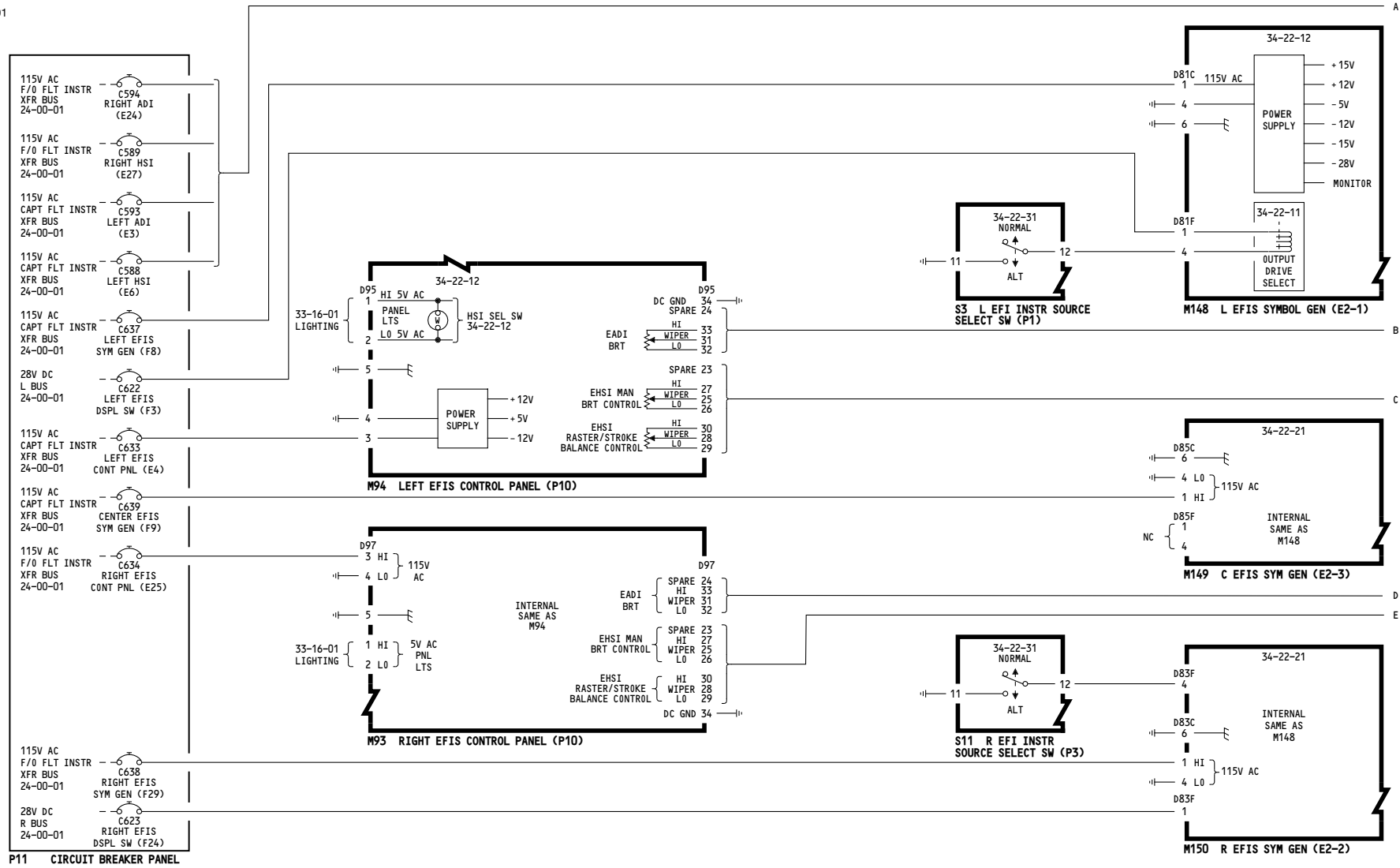
EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING

D280N032S

34-22-10

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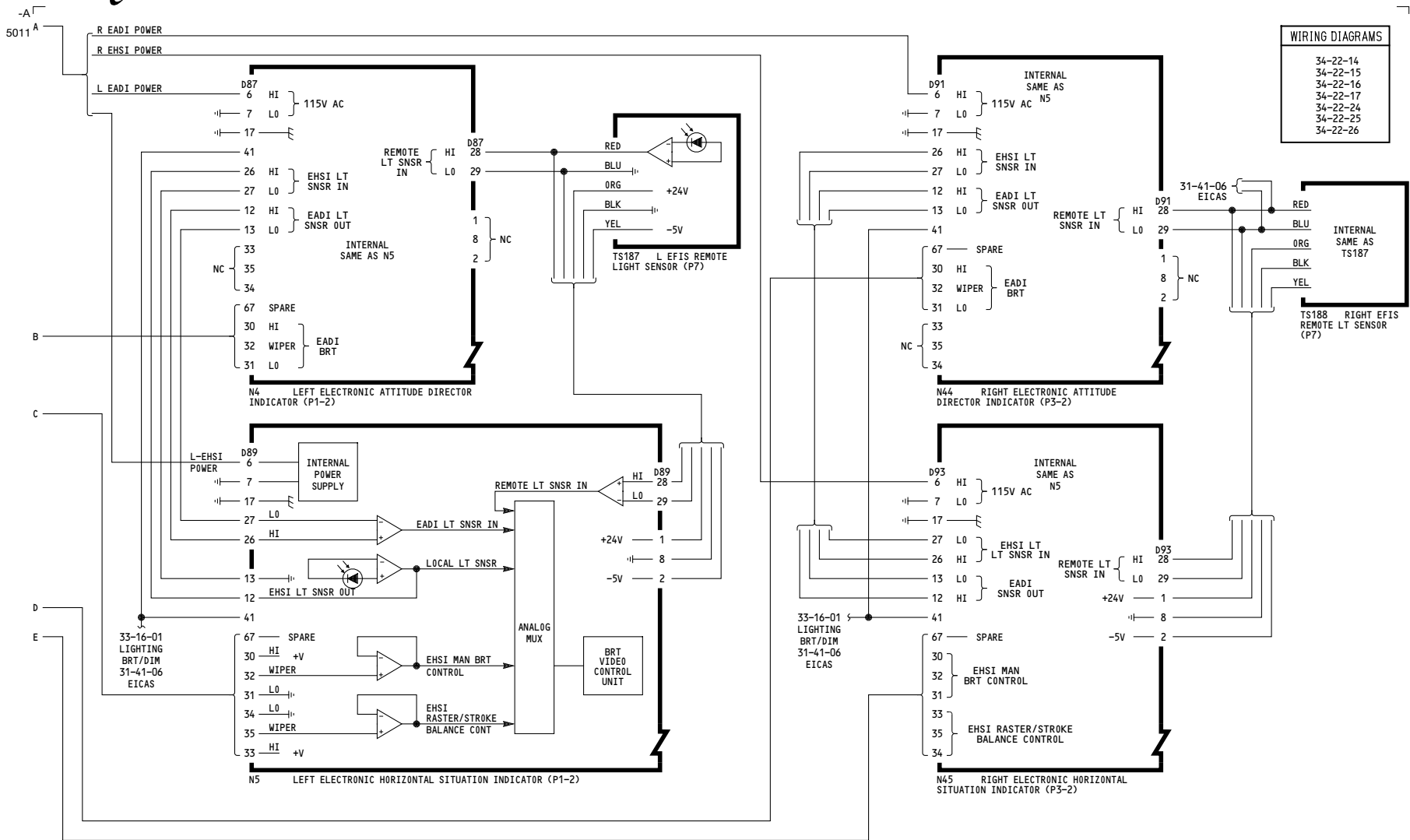
-A
5001



P11 CIRCUIT BREAKER PANEL

| | |
|---------|--|
| 115-199 | <p>EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING</p> <p style="text-align: center;">D280N032S</p> |
|---------|--|

34-22-10



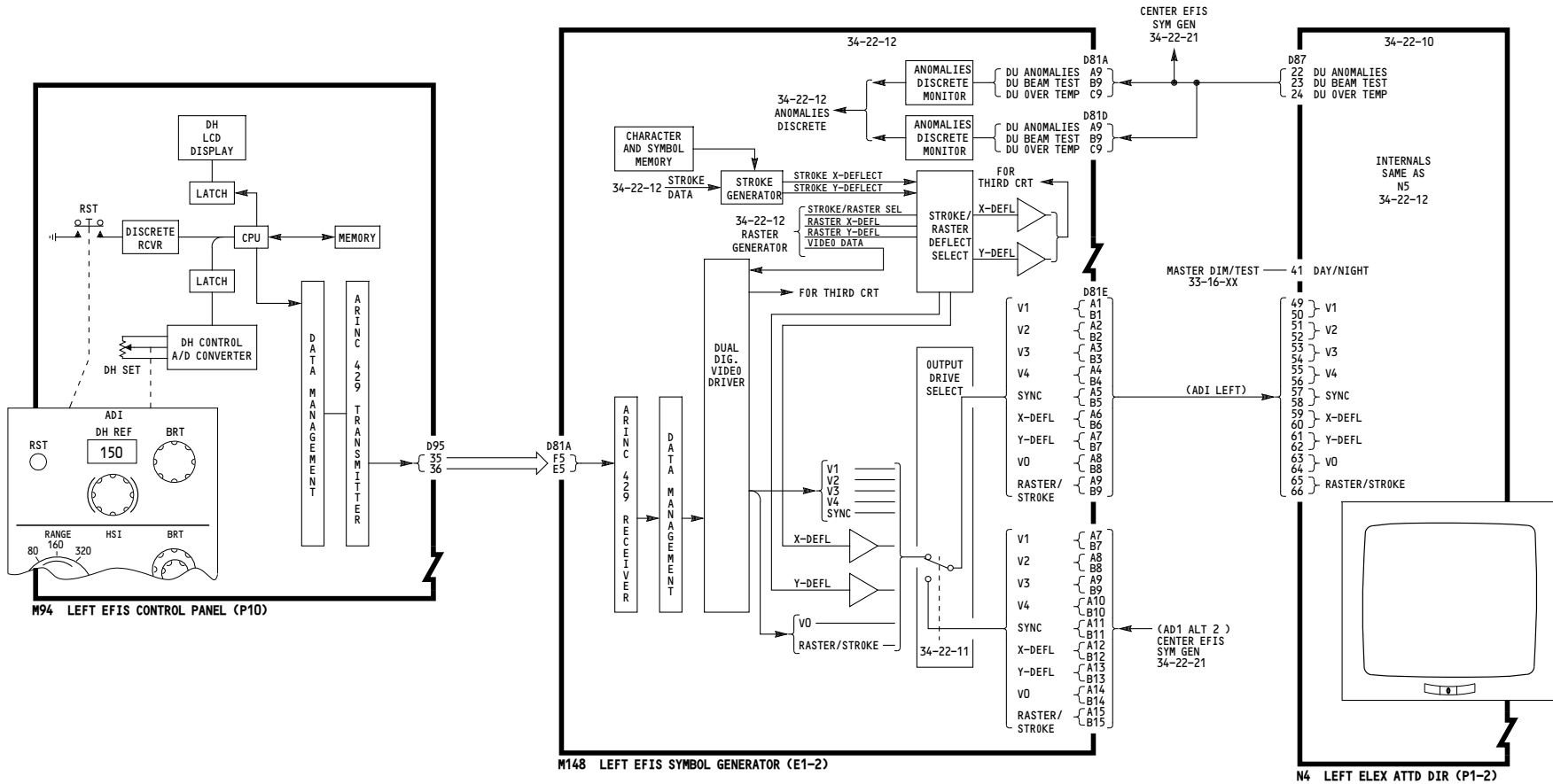
115-199

EFIS POWER DISTRIBUTION AND INSTRUMENT LIGHTING

D280N032S

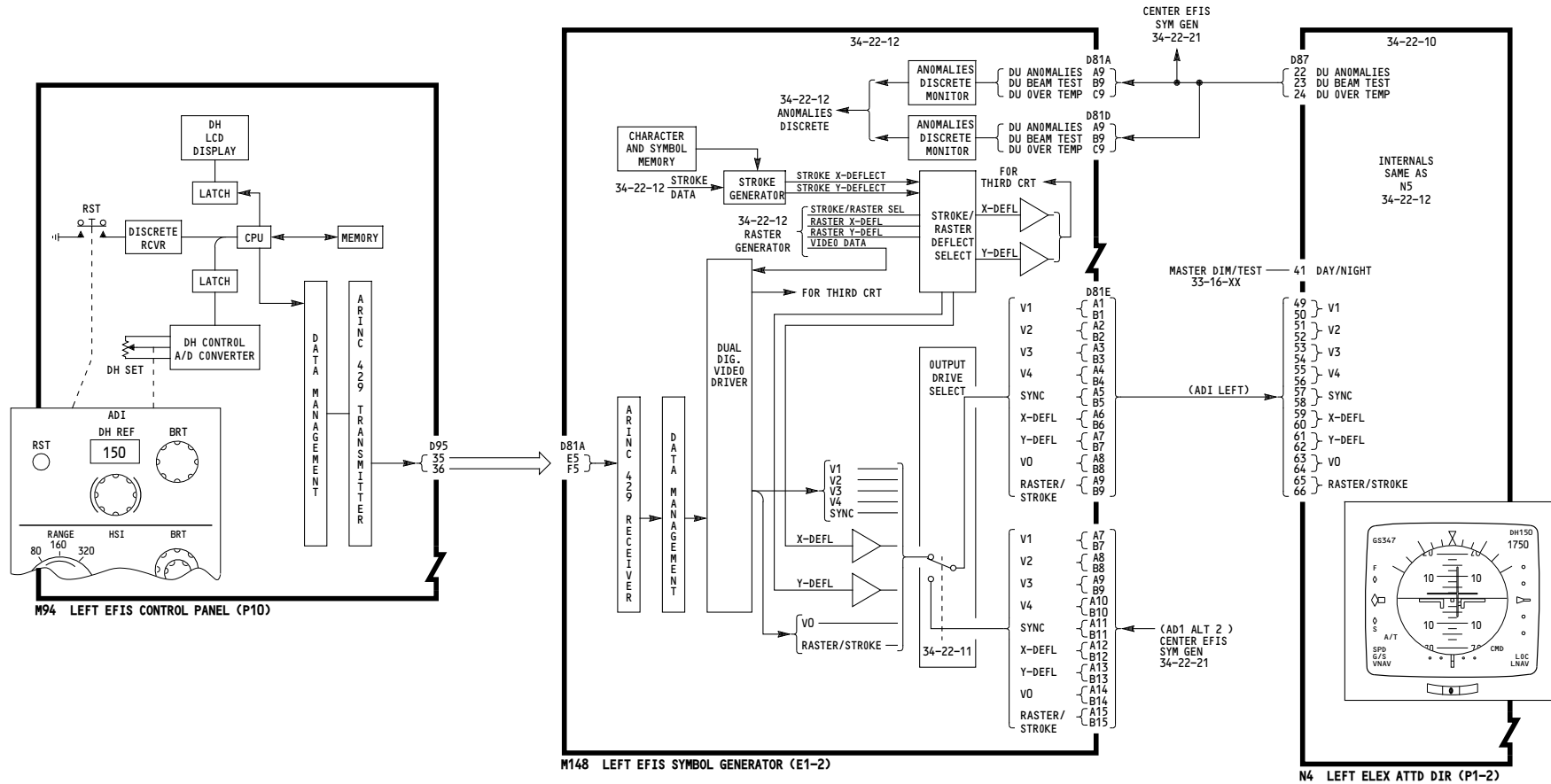
34-22-10

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| | |
|---------|--|
| 001-099 | <p align="center">EFIS SYMBOL GENERATOR AND EADI - LEFT</p> <p align="center">D280N032S</p> |
|---------|--|

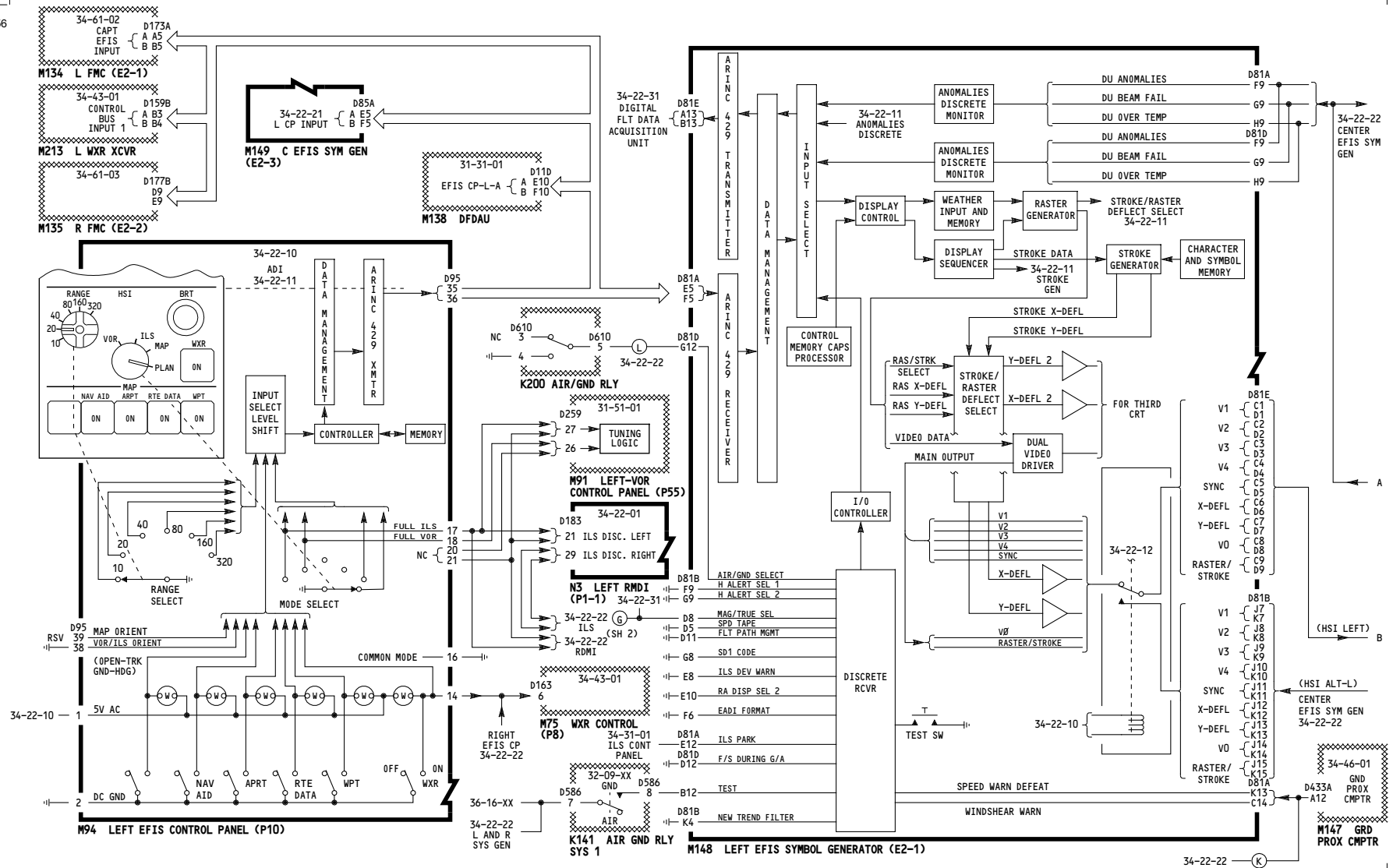
34-22-11



| | |
|---------|--|
| 115-199 | <p align="center">EFIS SYMBOL GENERATOR AND EADI - LEFT</p> <p align="center">D280N032S</p> |
|---------|--|

34-22-11

5056



001-008

EFIS SYMBOL GENERATOR AND EHSI - LEFT

D280N032S

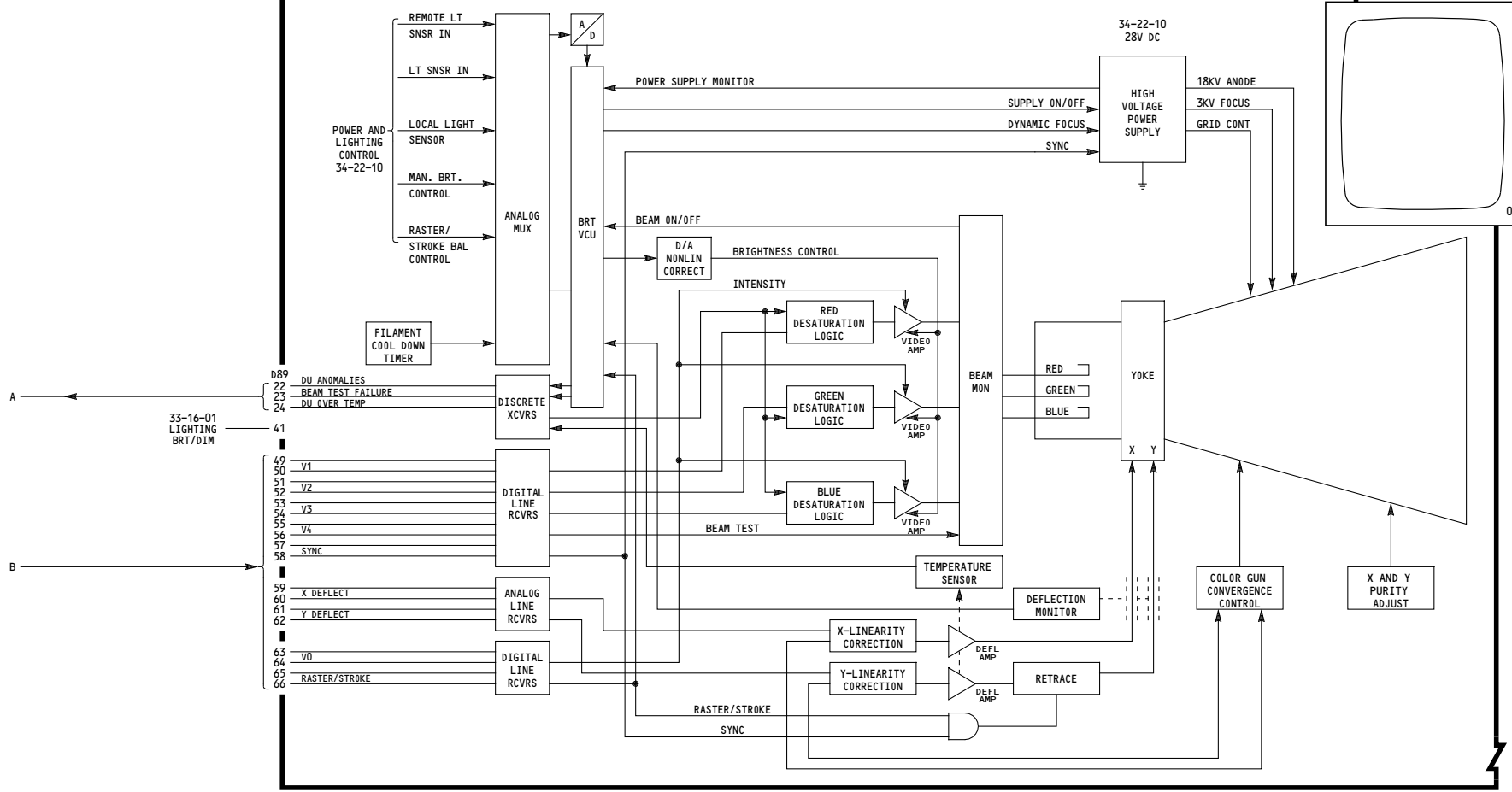
34-22-12

5002

34-22-10

WIRING DIAGRAMS

- 34-22-14
- 34-22-15
- 34-22-16
- 34-22-18



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

001-008

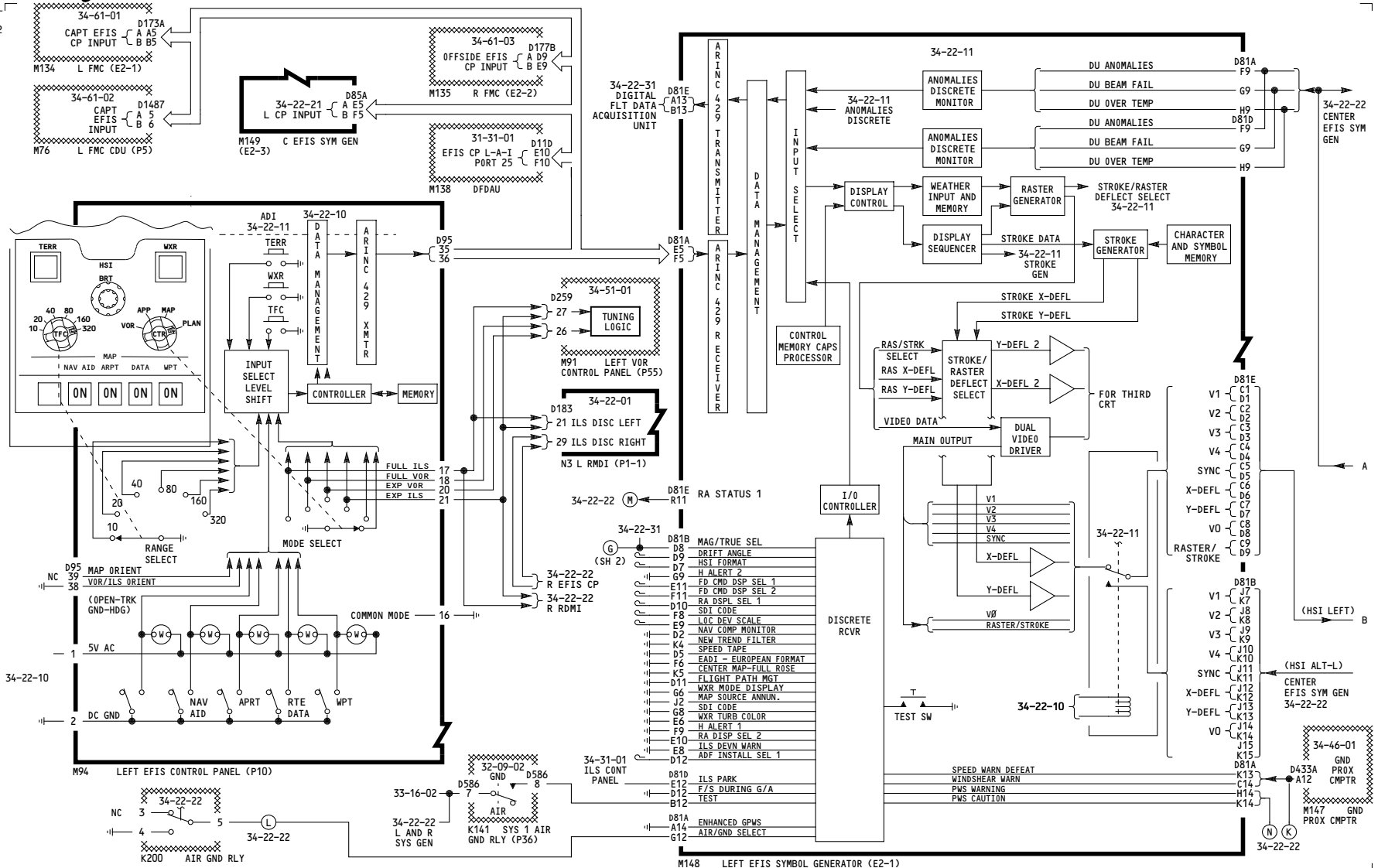
EFIS SYMBOL GENERATOR AND EHSI - LEFT

D280N032S

34-22-12

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Sheet 2
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5292



002

EFIS SYMBOL GENERATOR AND EHSI - LEFT

D280N032S

Incorporates 34-0200

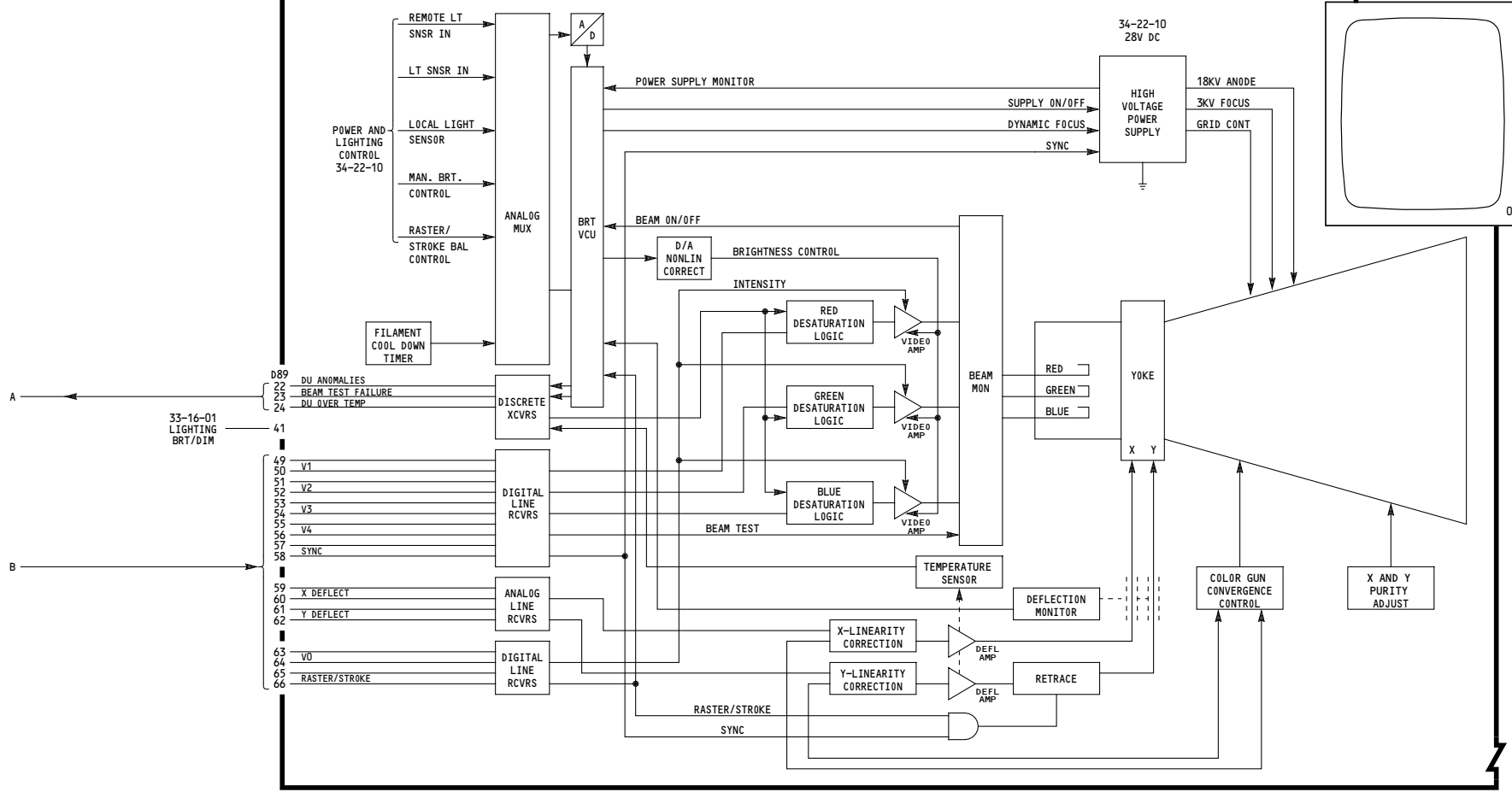
34-22-12

5002

34-22-10

WIRING DIAGRAMS

34-22-14
34-22-15
34-22-16
34-22-18



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

002

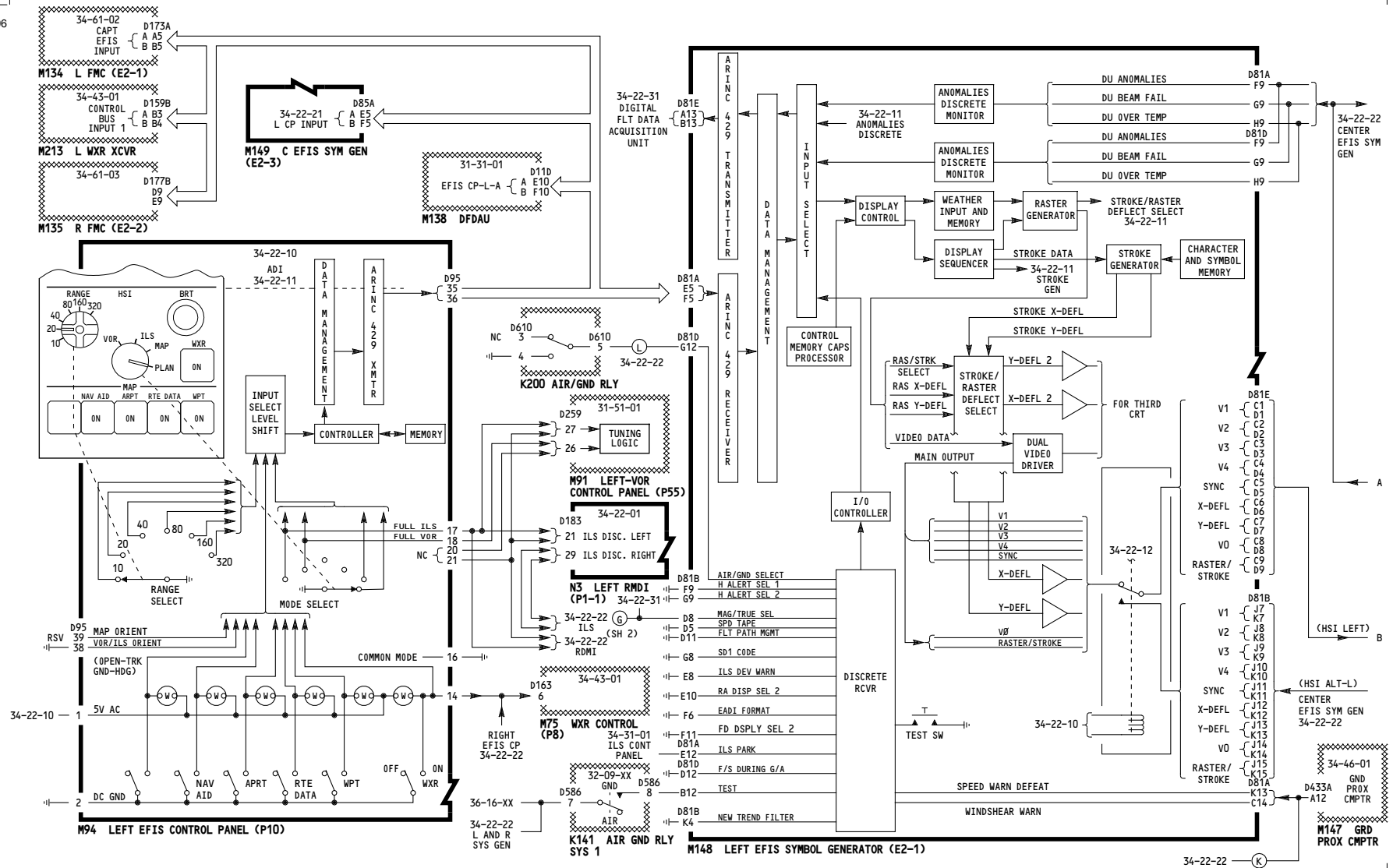
**EFIS SYMBOL GENERATOR
AND EHSI - LEFT**

D280N032S

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009

EFIS SYMBOL GENERATOR AND EHSI - LEFT

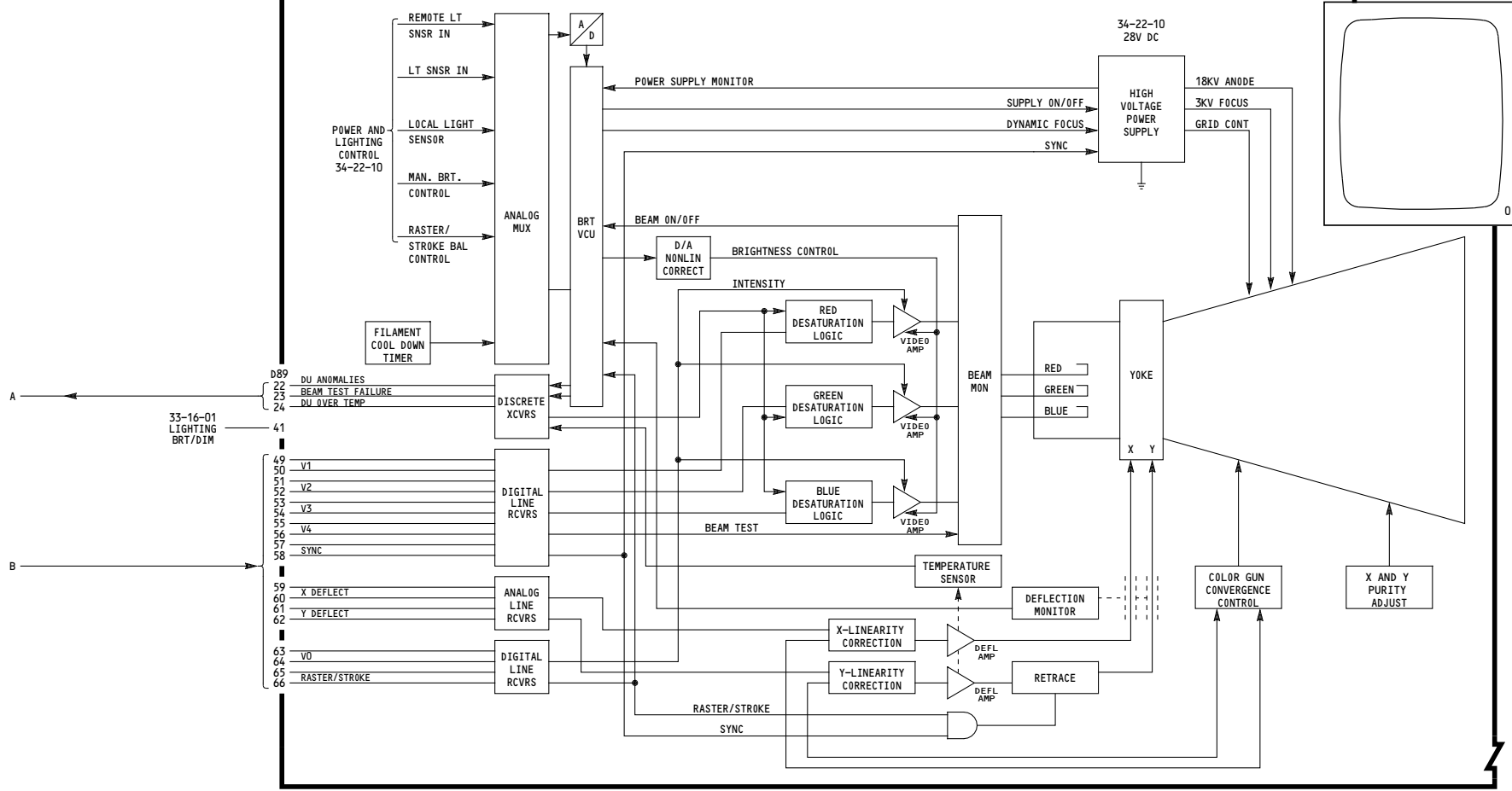
D280N032S

34-22-12

5002

34-22-10

| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-14 | |
| 34-22-15 | |
| 34-22-16 | |
| 34-22-18 | |



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

009

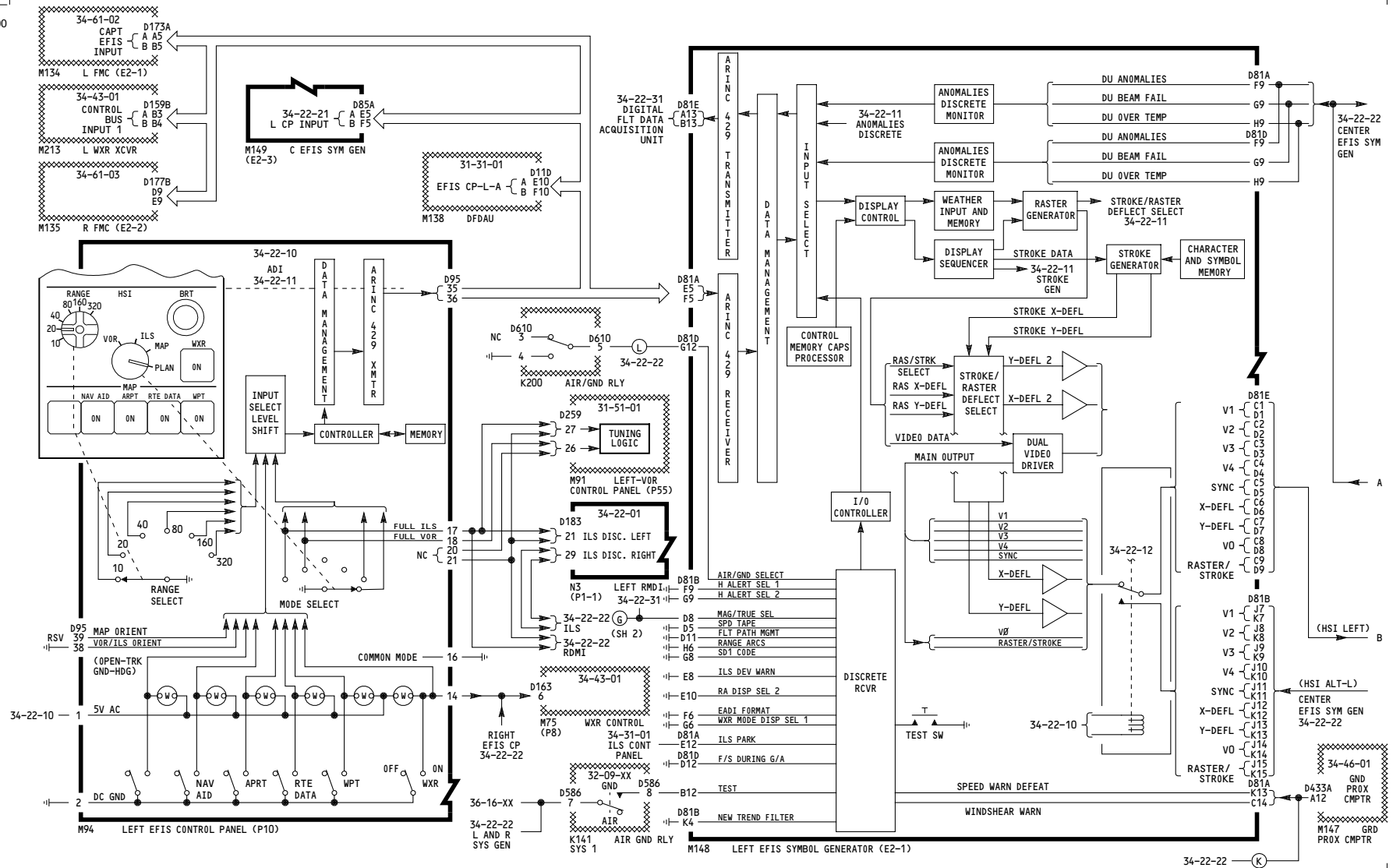
EFIS SYMBOL GENERATOR AND EHSI - LEFT

D280N032S

34-22-12

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5100



010-099

EFIS SYMBOL GENERATOR AND EHSI - LEFT

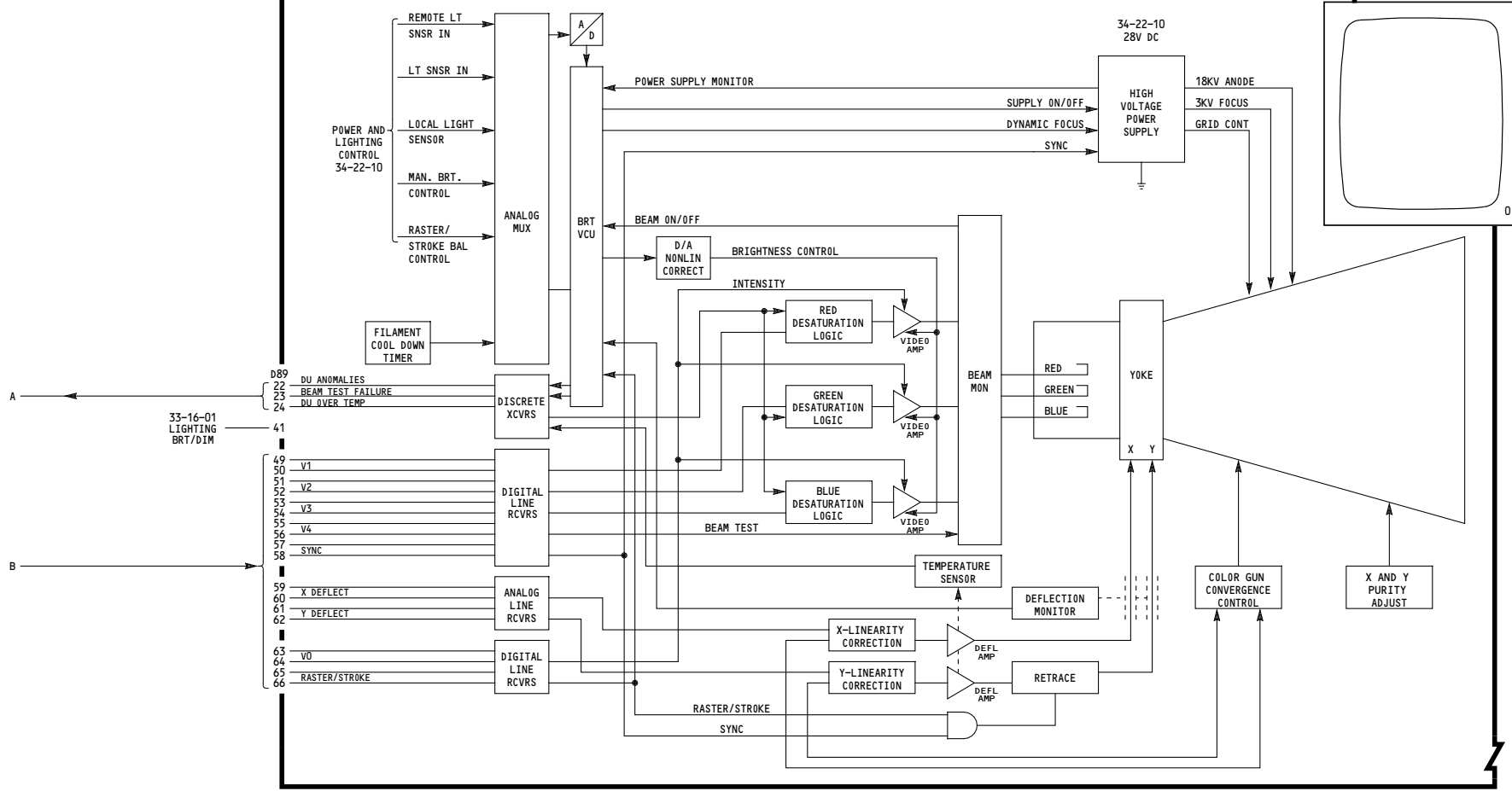
D280N032S

34-22-12

5002

34-22-10

| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-14 | |
| 34-22-15 | |
| 34-22-16 | |
| 34-22-18 | |



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

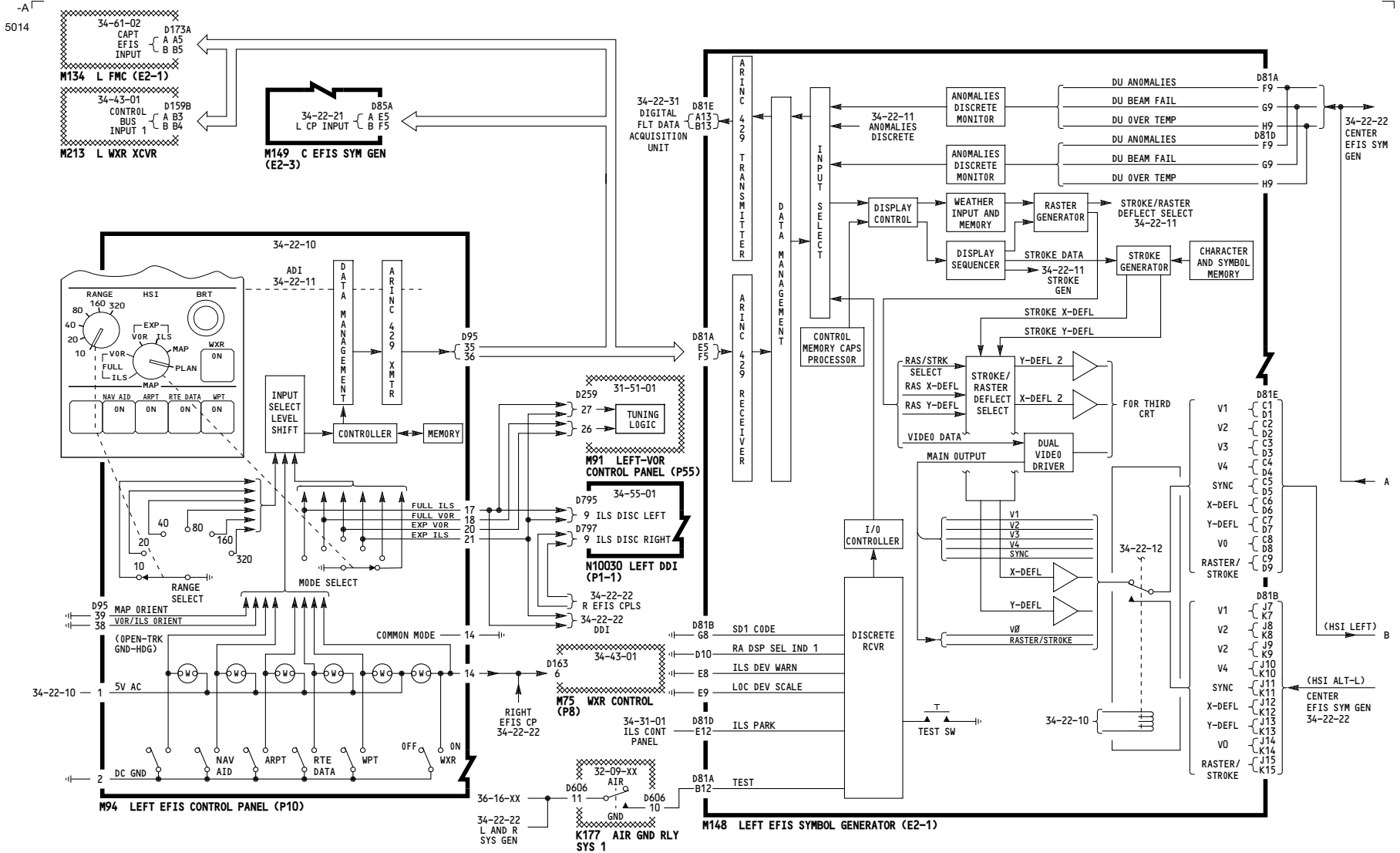
010-099

**EFIS SYMBOL GENERATOR
AND EHSI - LEFT**

D280N032S

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115-199

EFIS SYMBOL GENERATOR AND EHSI - LEFT

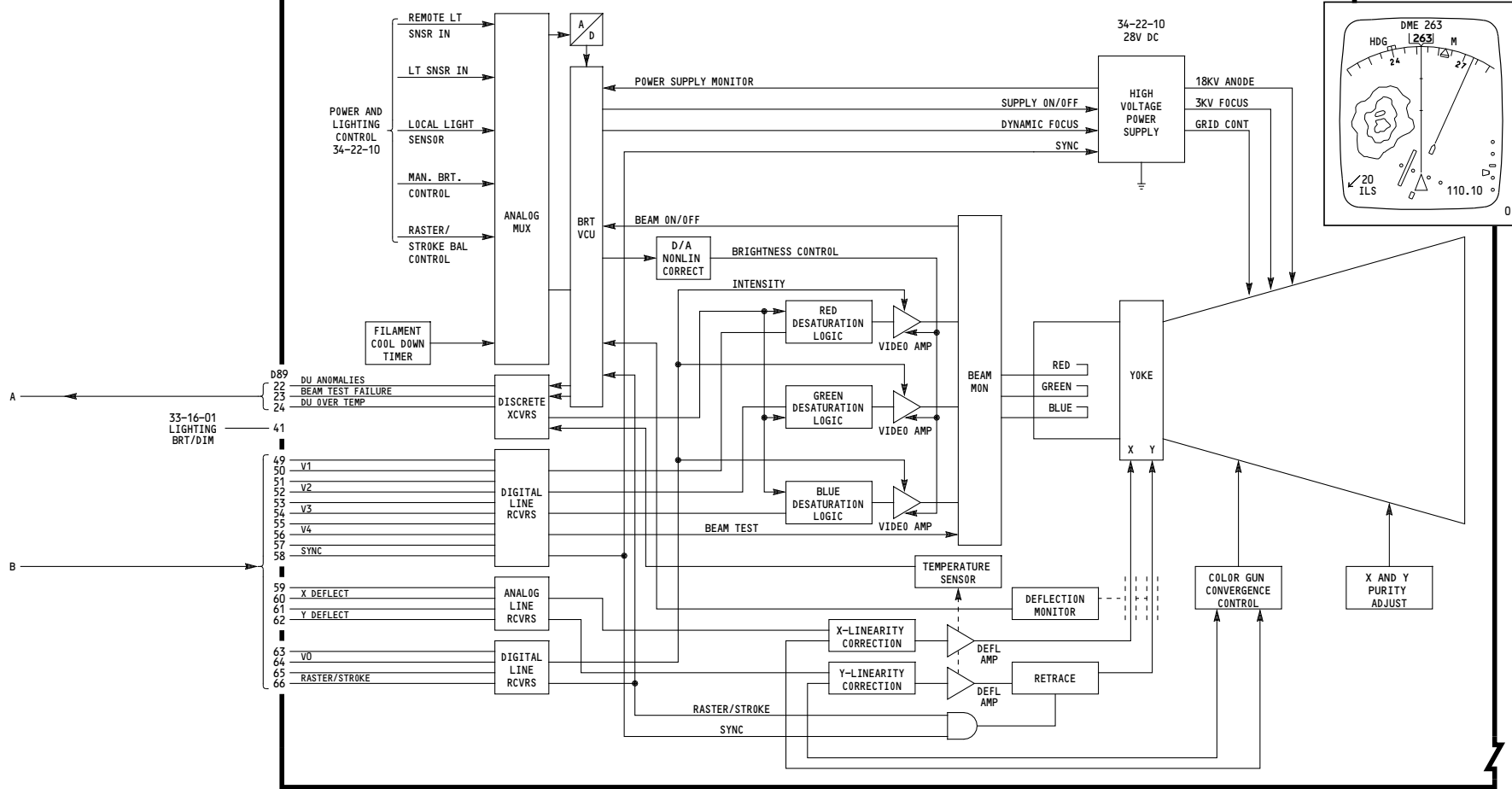
D280N032S

34-22-12

5001

34-22-10

| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-14 | |
| 34-22-15 | |
| 34-22-16 | |
| 34-22-18 | |



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

115-199

**EFIS SYMBOL GENERATOR
AND EHSI - LEFT**

D280N032S

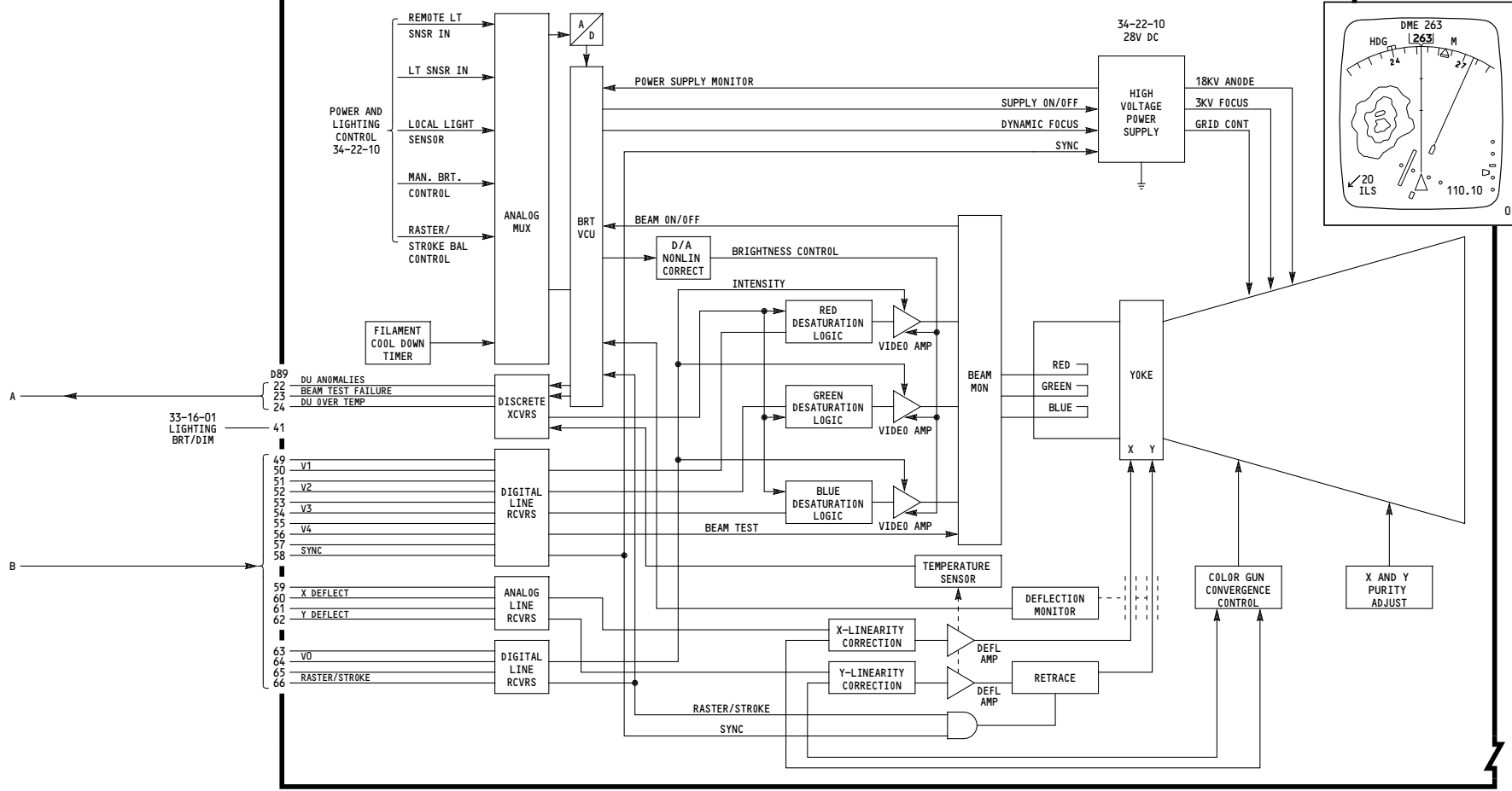
34-22-12

Page 104
Sheet 2
Jan 21/2005

5001

34-22-10

| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-14 | |
| 34-22-15 | |
| 34-22-16 | |
| 34-22-18 | |



N5 LEFT ELECTRONIC HORIZONTAL SITUATION INDICATOR (P3-2)

115

EFIS SYMBOL GENERATOR AND EHSI - LEFT

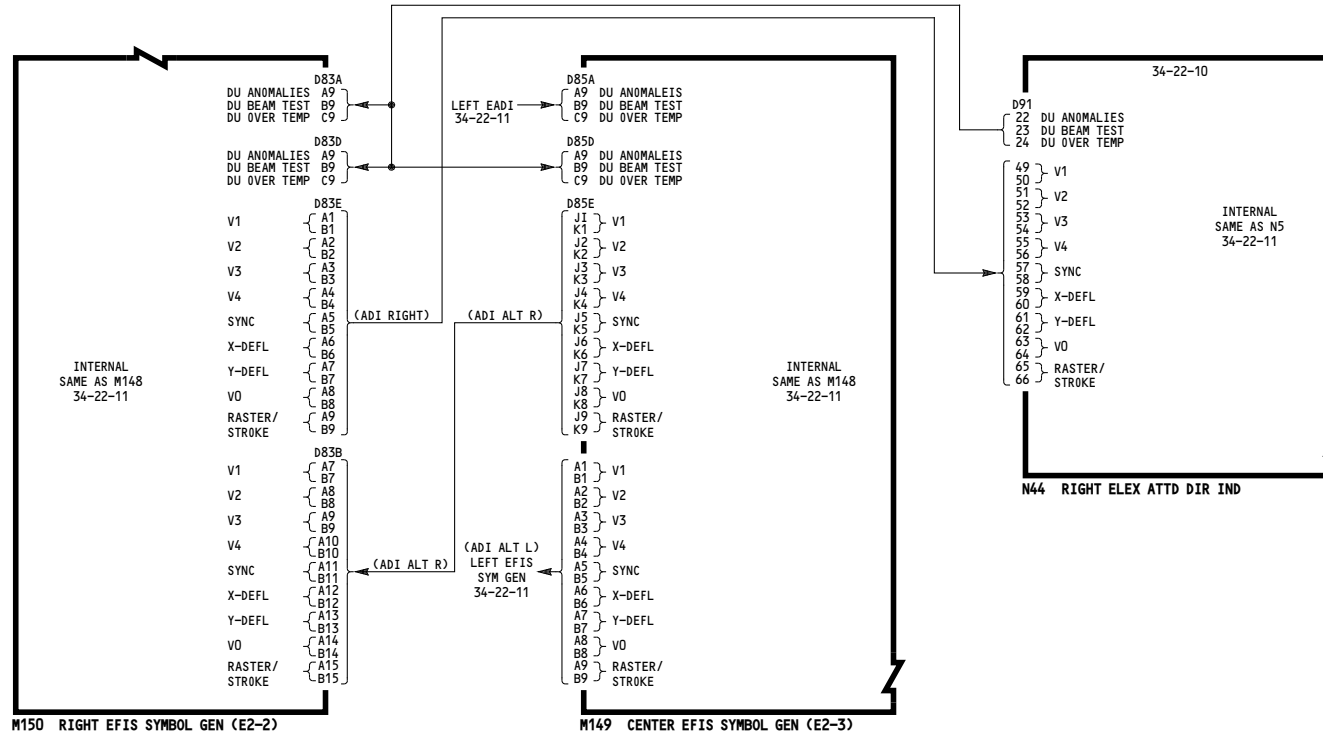
D280N032S

34-22-12

Page 104.1
Sheet 2
Oct 09/2008

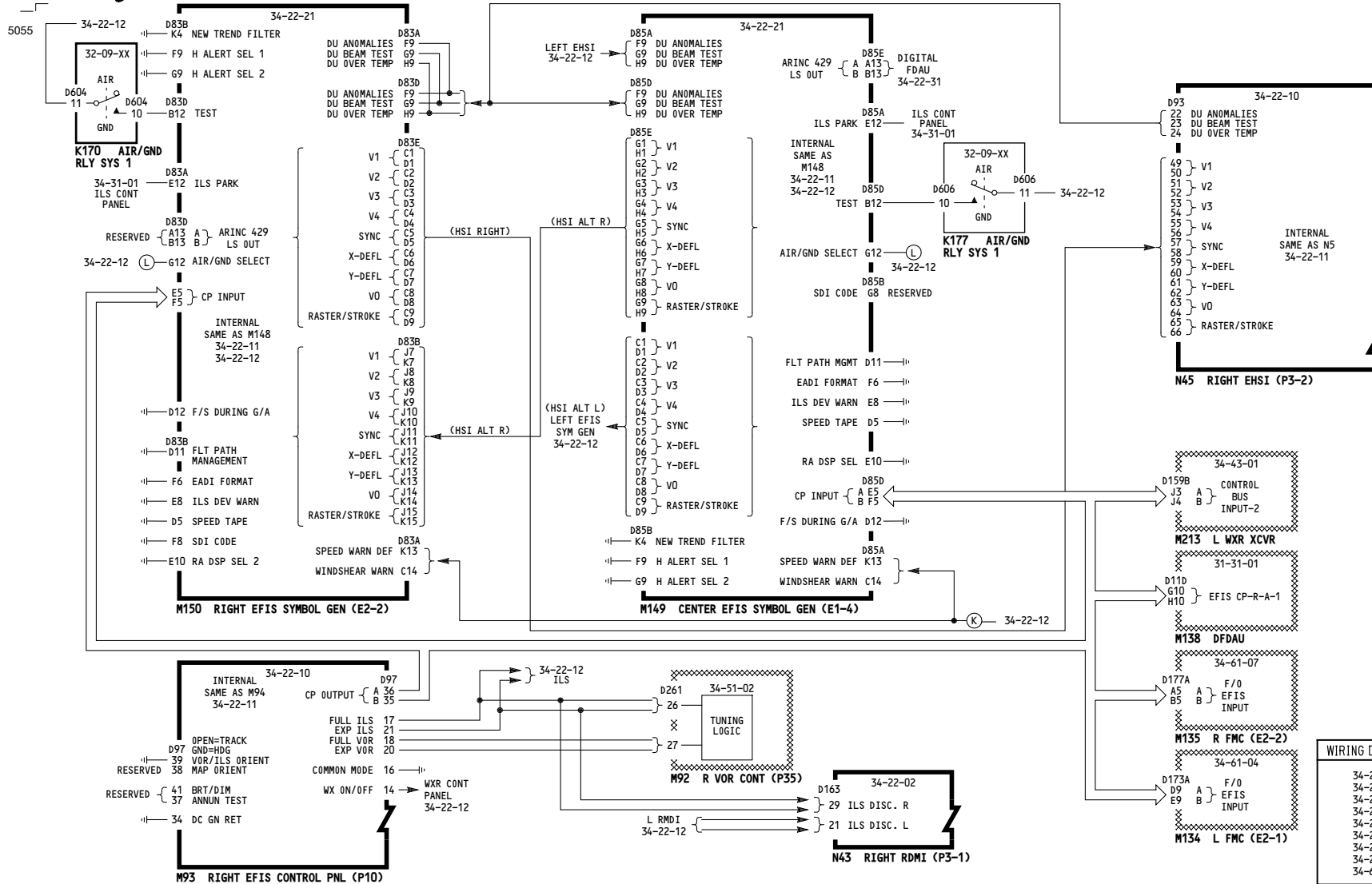
-A
5000

WIRING DIAGRAMS
34-22-24
34-22-34
34-22-35



| | |
|-----|--|
| ALL | <p>EFIS SYMBOL GENERATOR AND EADI - RIGHT AND CENTER</p> <p>D280N032S</p> |
|-----|--|

34-22-21



001-008

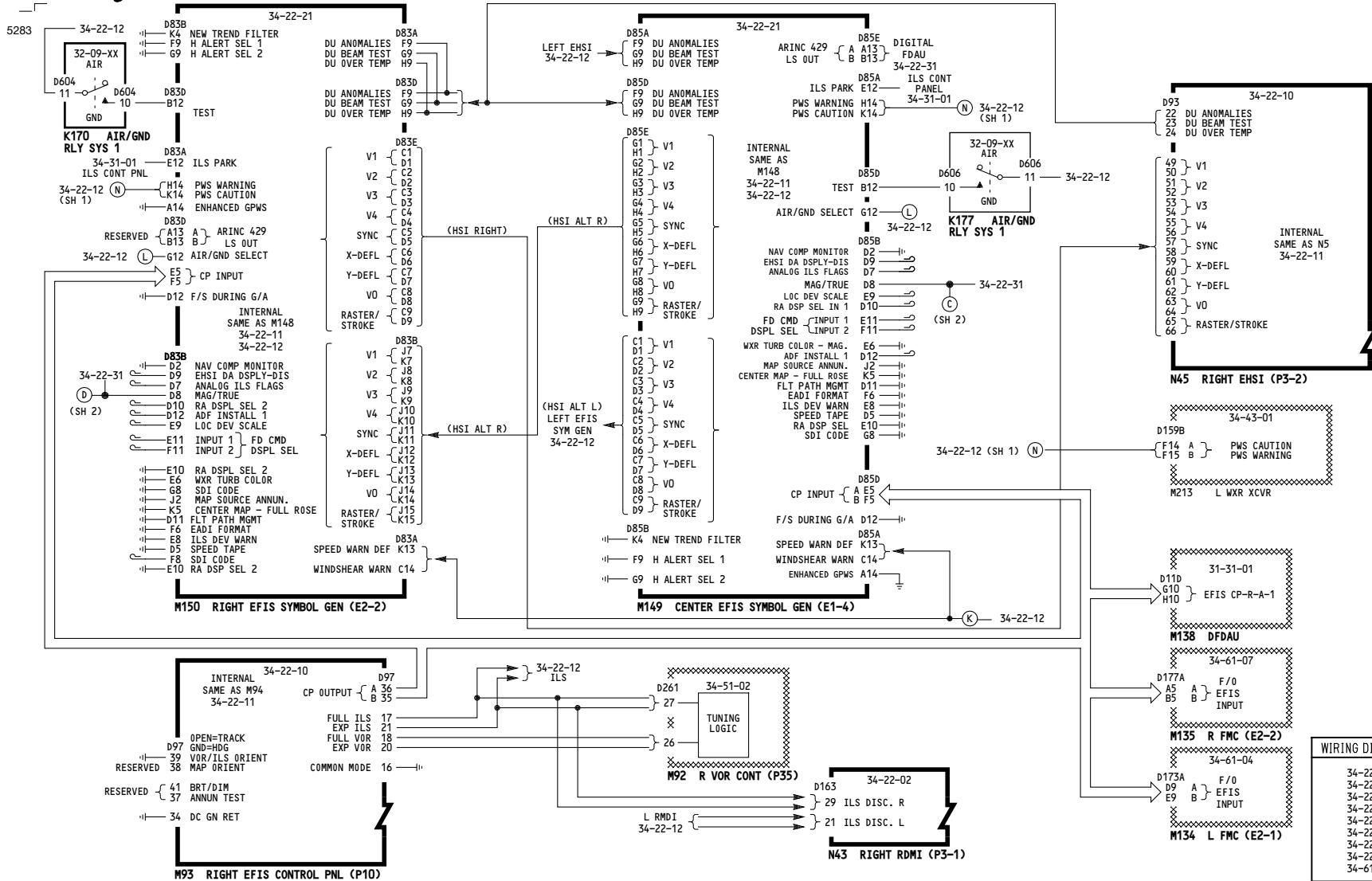
EFIS SYMBOL GENERATOR AND EHSI - RIGHT AND CENTER

D280N032S

34-22-22

Page 101

Jan 21/2005



WIRING DIAGRAMS

| |
|----------|
| 34-22-24 |
| 34-22-25 |
| 34-22-26 |
| 34-22-28 |
| 34-22-29 |
| 34-22-34 |
| 34-22-35 |
| 34-22-39 |
| 34-61-24 |

002

EFIS SYMBOL GENERATOR AND EHSI - RIGHT AND CENTER

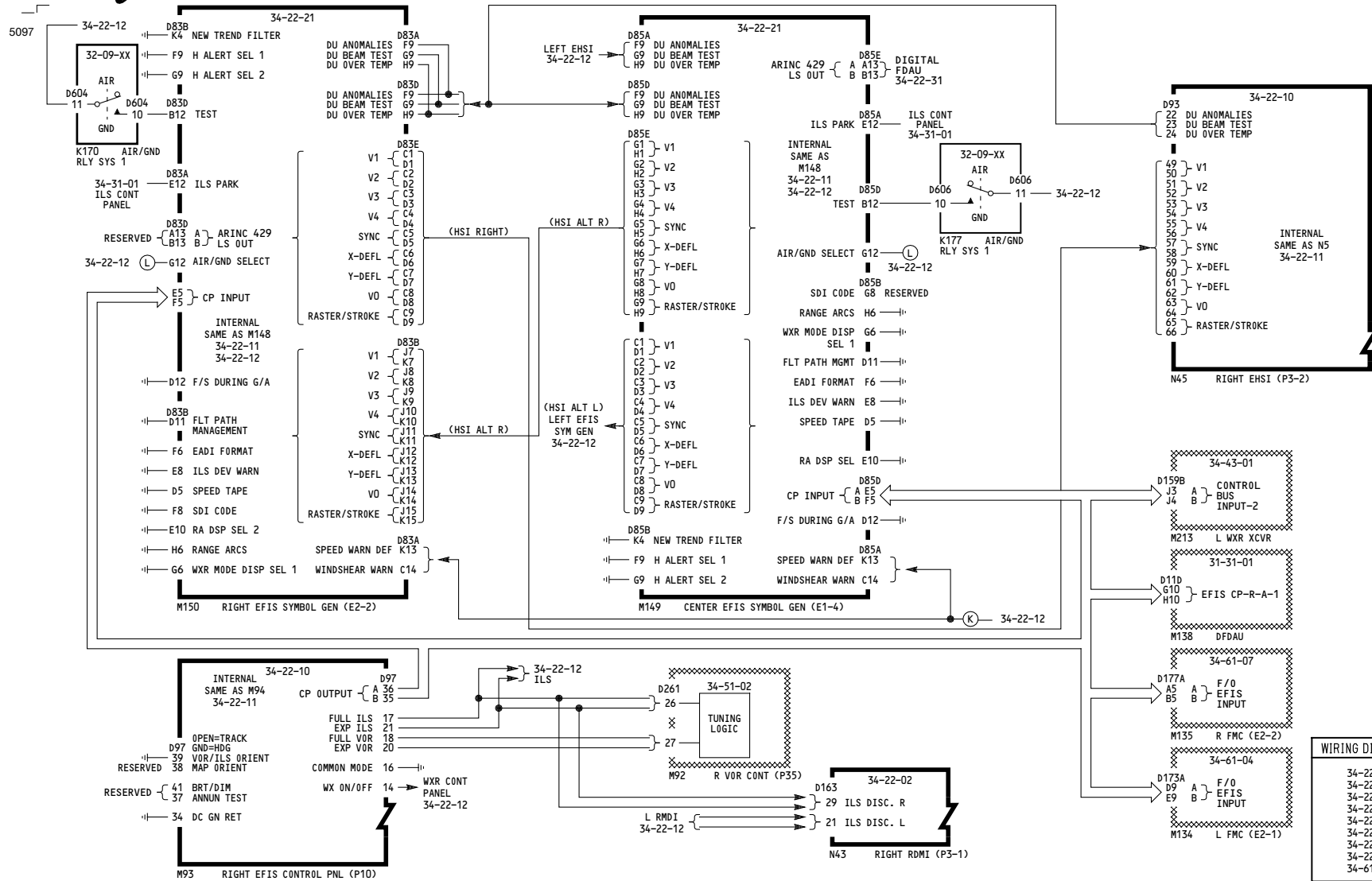
Incorporates 34-0200

D280N032S

34-22-22

Page 101.1

Jan 21/2005



WIRING DIAGRAMS

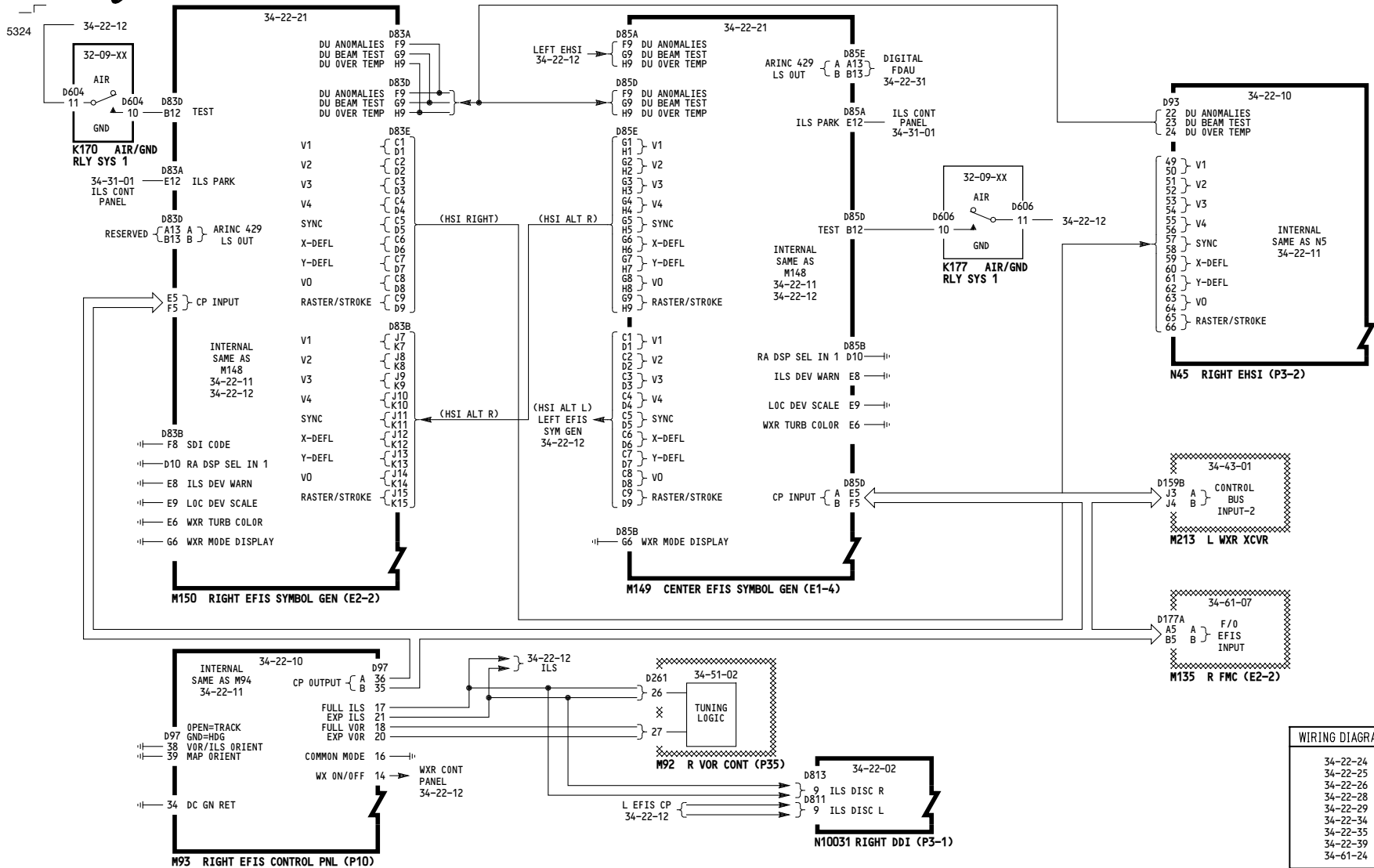
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|----------|
| 34-22-24 |
| 34-22-25 |
| 34-22-26 |
| 34-22-28 |
| 34-22-29 |
| 34-22-34 |
| 34-22-35 |
| 34-22-39 |
| 34-61-24 |

010-099

EFIS SYMBOL GENERATOR AND EHSI - RIGHT AND CENTER

D280N032S

34-22-22



WIRING DIAGRAMS

| |
|----------|
| 34-22-24 |
| 34-22-25 |
| 34-22-26 |
| 34-22-28 |
| 34-22-29 |
| 34-22-34 |
| 34-22-35 |
| 34-22-39 |
| 34-61-24 |

115

EFIS SYMBOL GENERATOR AND EHSI - RIGHT AND CENTER

D280N032S

Incorporates
34-0394

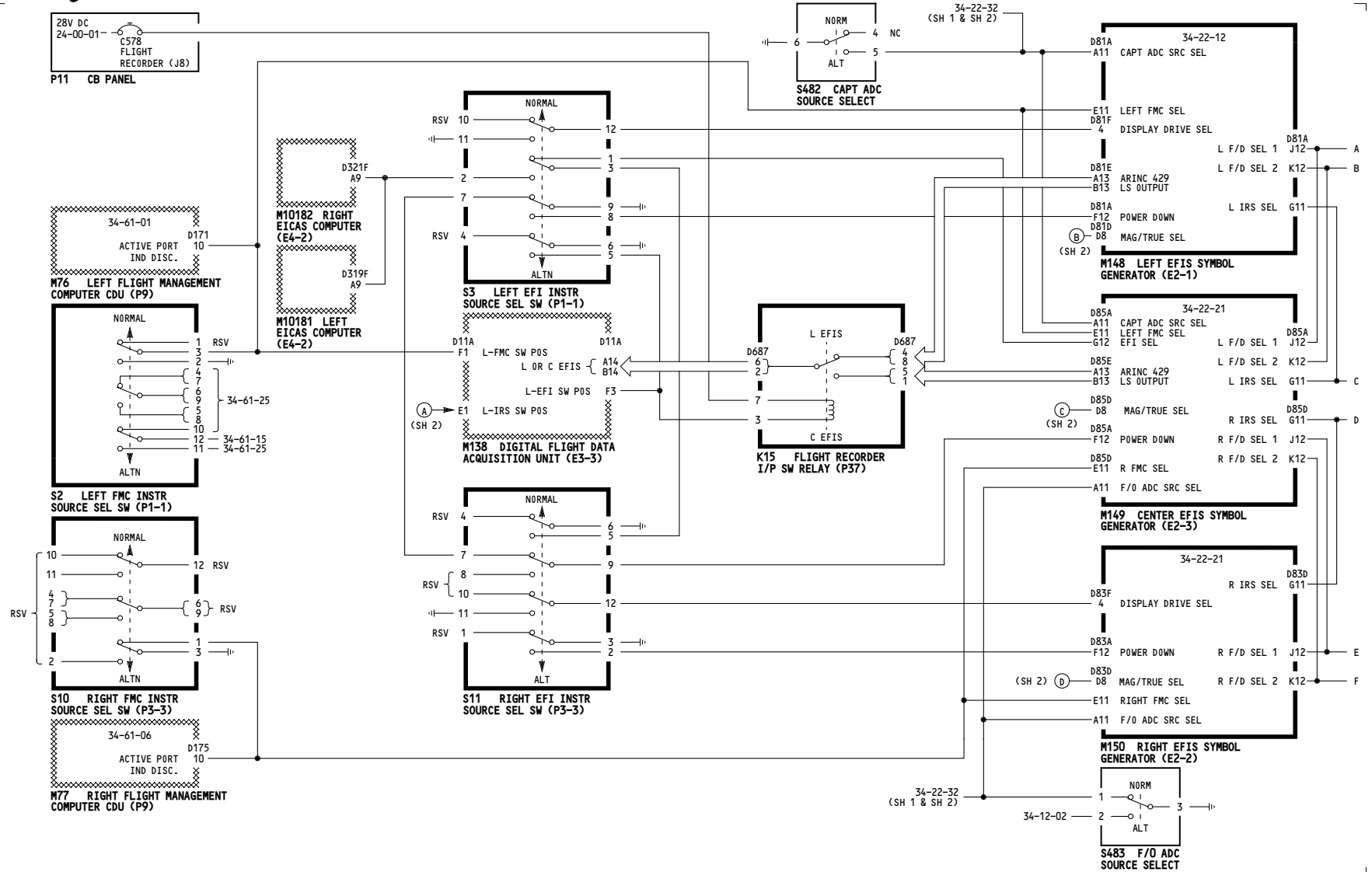
34-22-22

Page 104.1

Oct 09/2008

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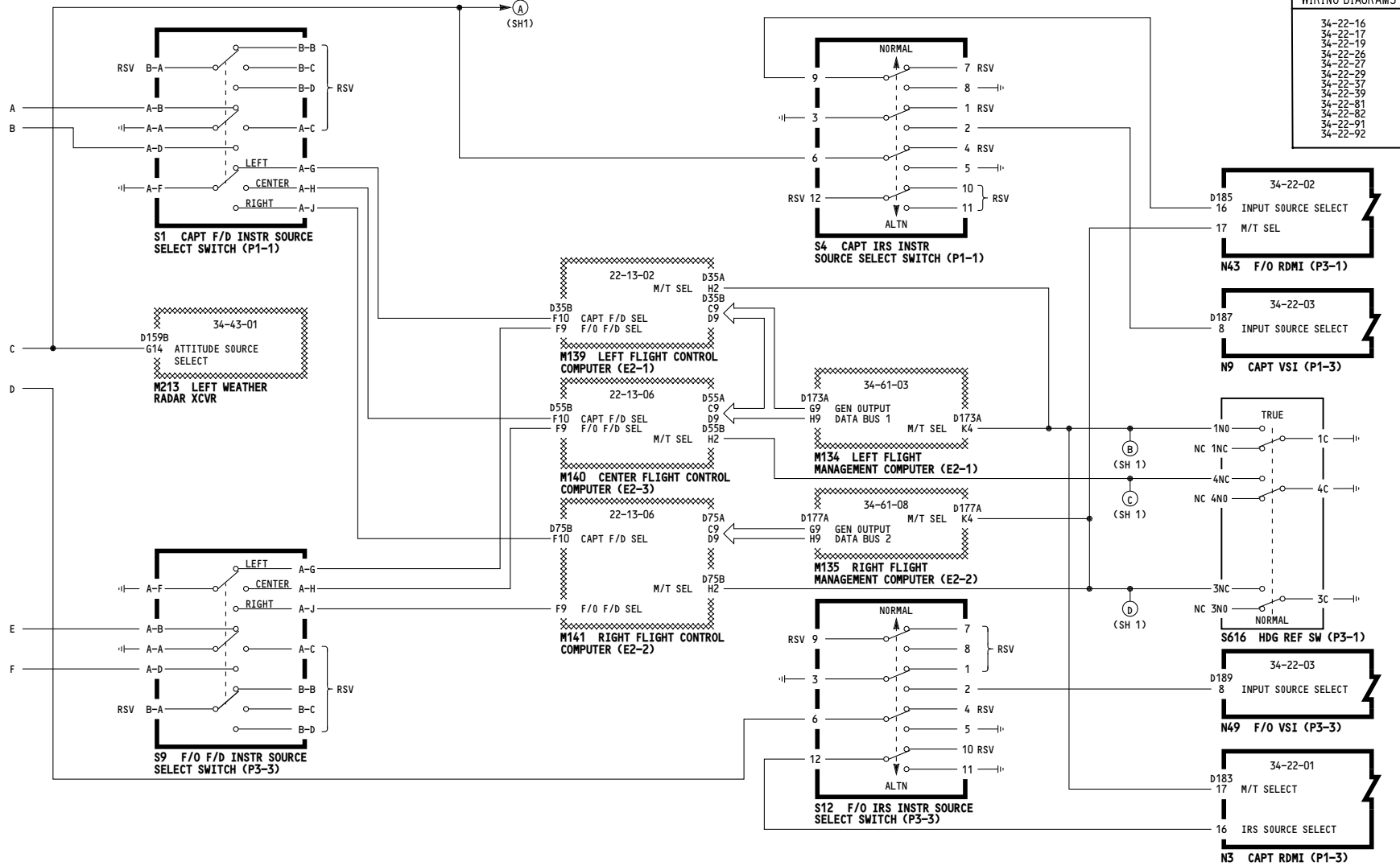
-B
5013



| | |
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| 001-099 | <p>FLIGHT INSTRUMENT SYSTEM SWITCHING</p> <p>D280N032S</p> |
|---------|---|

34-22-31

5000



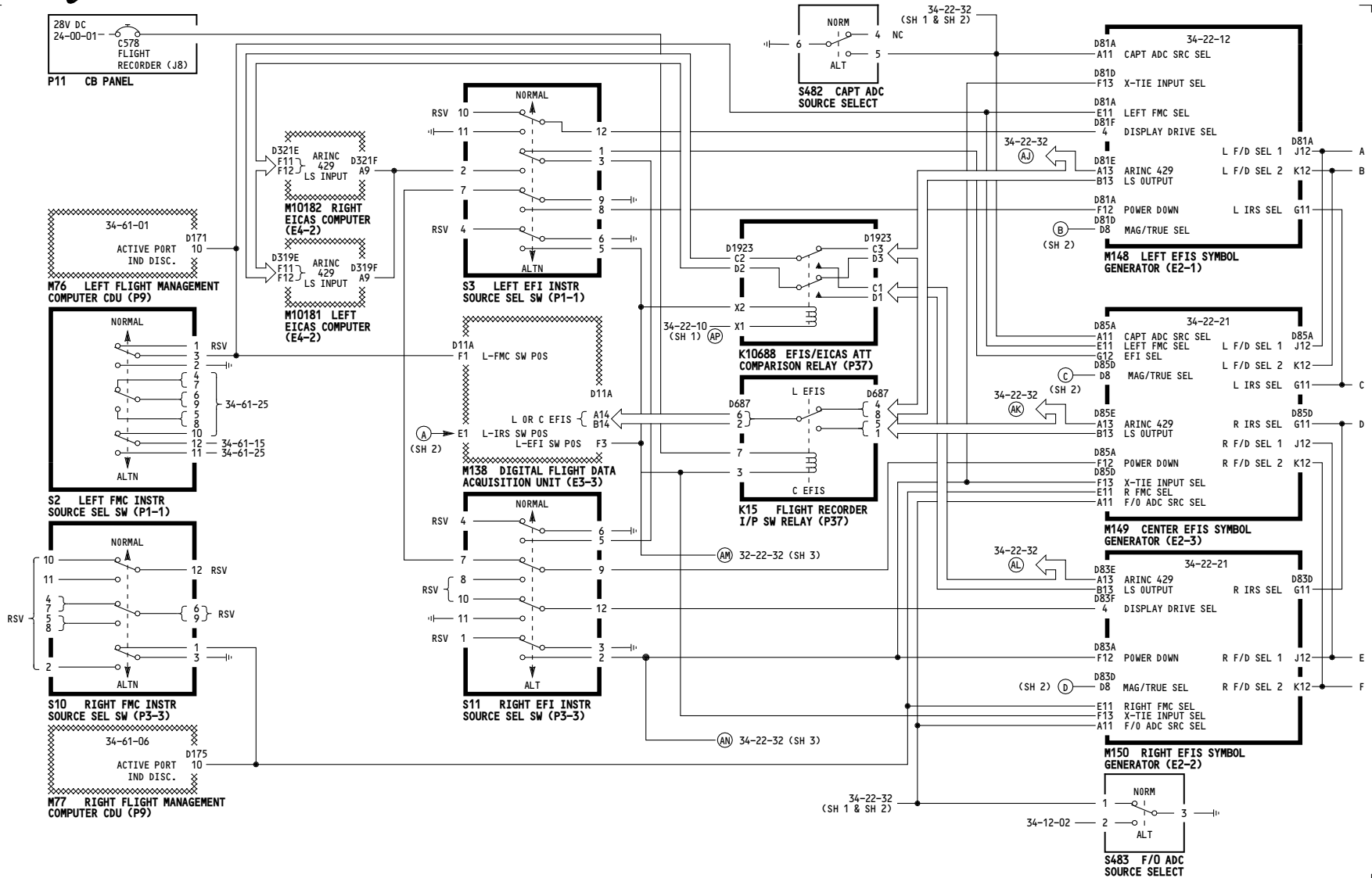
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FLIGHT INSTRUMENT SYSTEM SWITCHING

D280N032S

34-22-31

5075



002

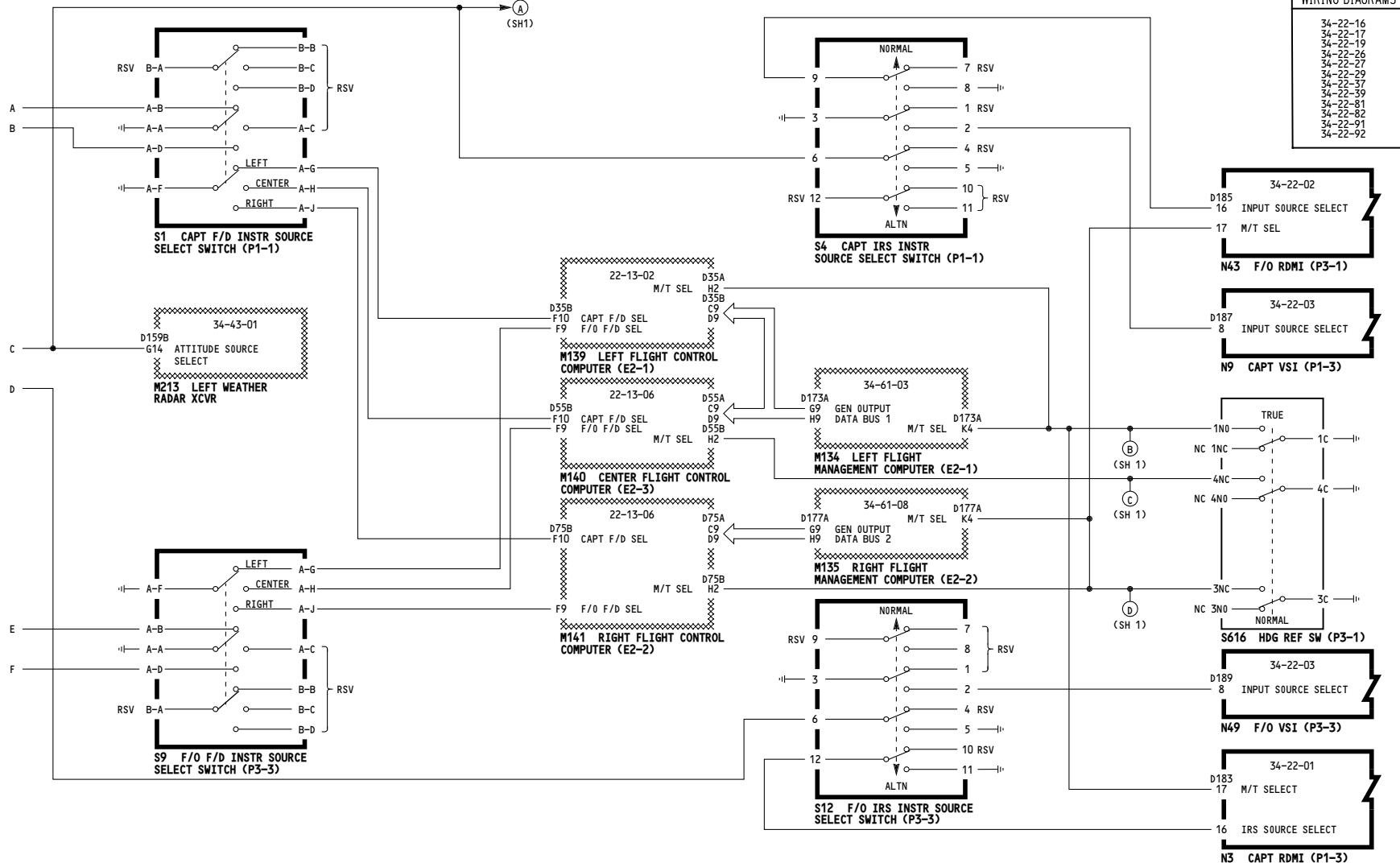
FLIGHT INSTRUMENT SYSTEM SWITCHING

D280N032S

Incorporates
 34-0200

34-22-31

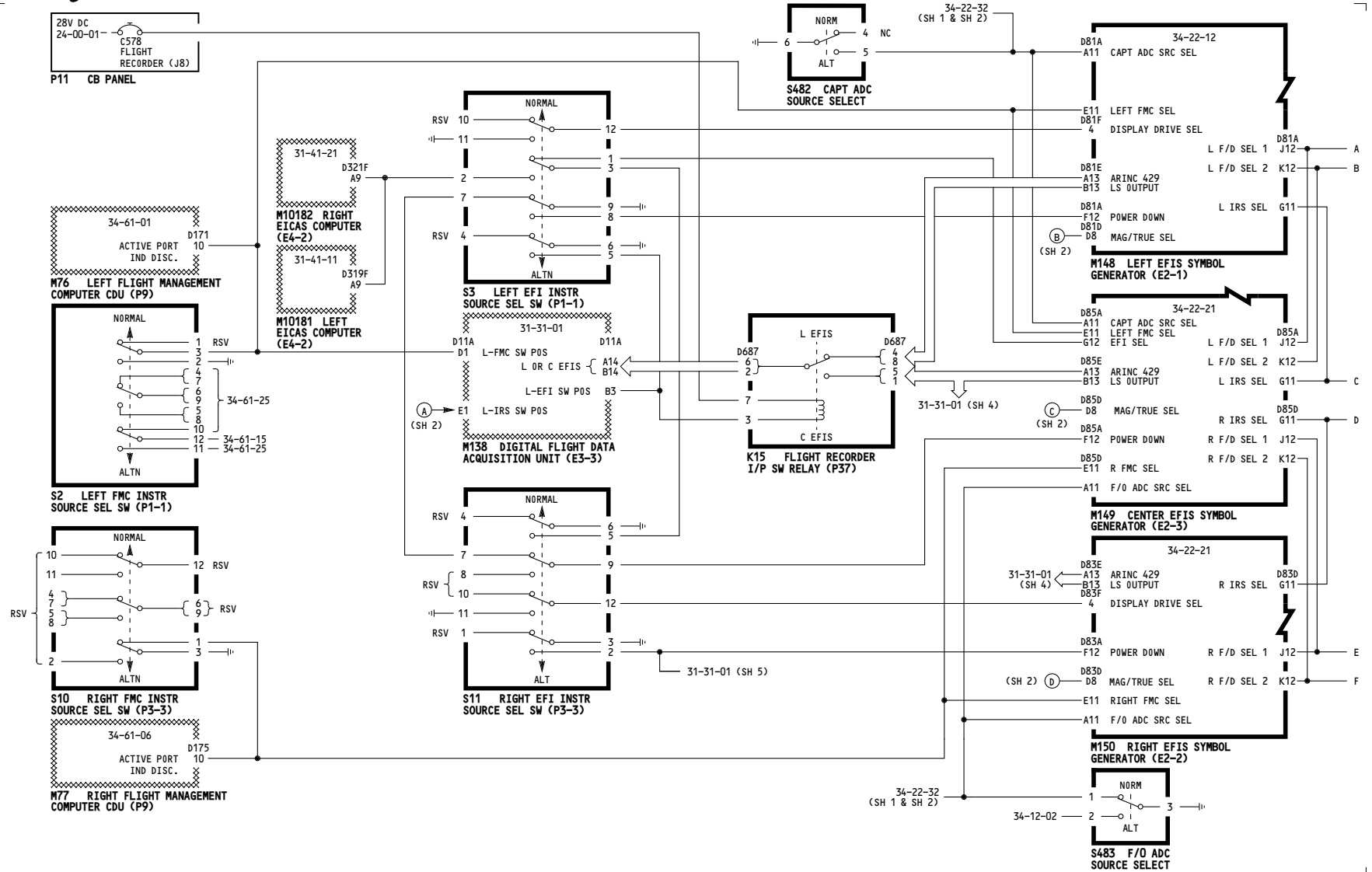
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| | |
|-----|---|
| 002 | <p>FLIGHT INSTRUMENT SYSTEM SWITCHING</p> <p>D280N032S</p> |
|-----|---|

34-22-31

-B
5053

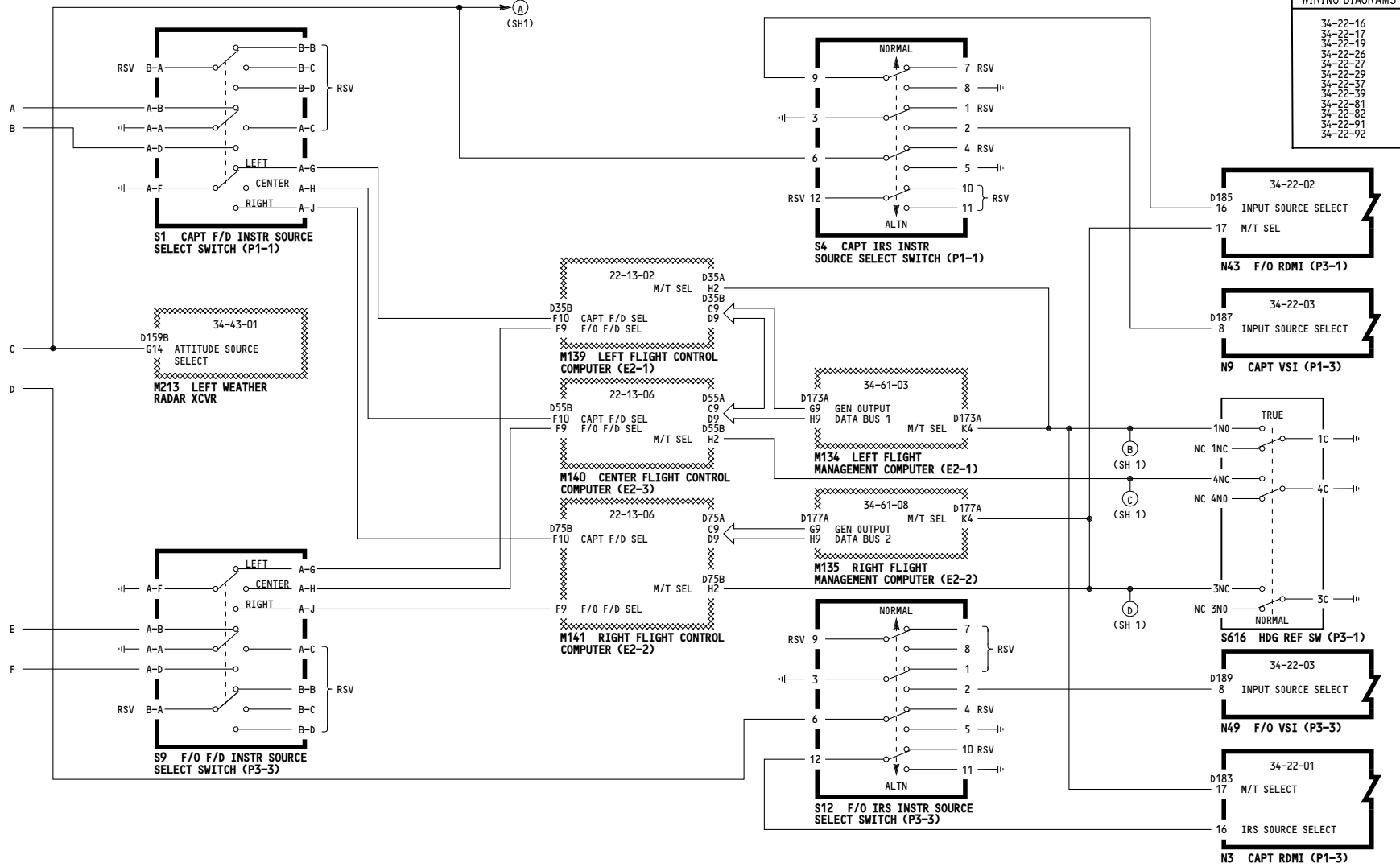


| | |
|---------|---|
| 010-011 | <p align="center">FLIGHT INSTRUMENT SYSTEM SWITCHING</p> <p align="center">D280N032S</p> |
|---------|---|

Incorporates
31-0094

34-22-31

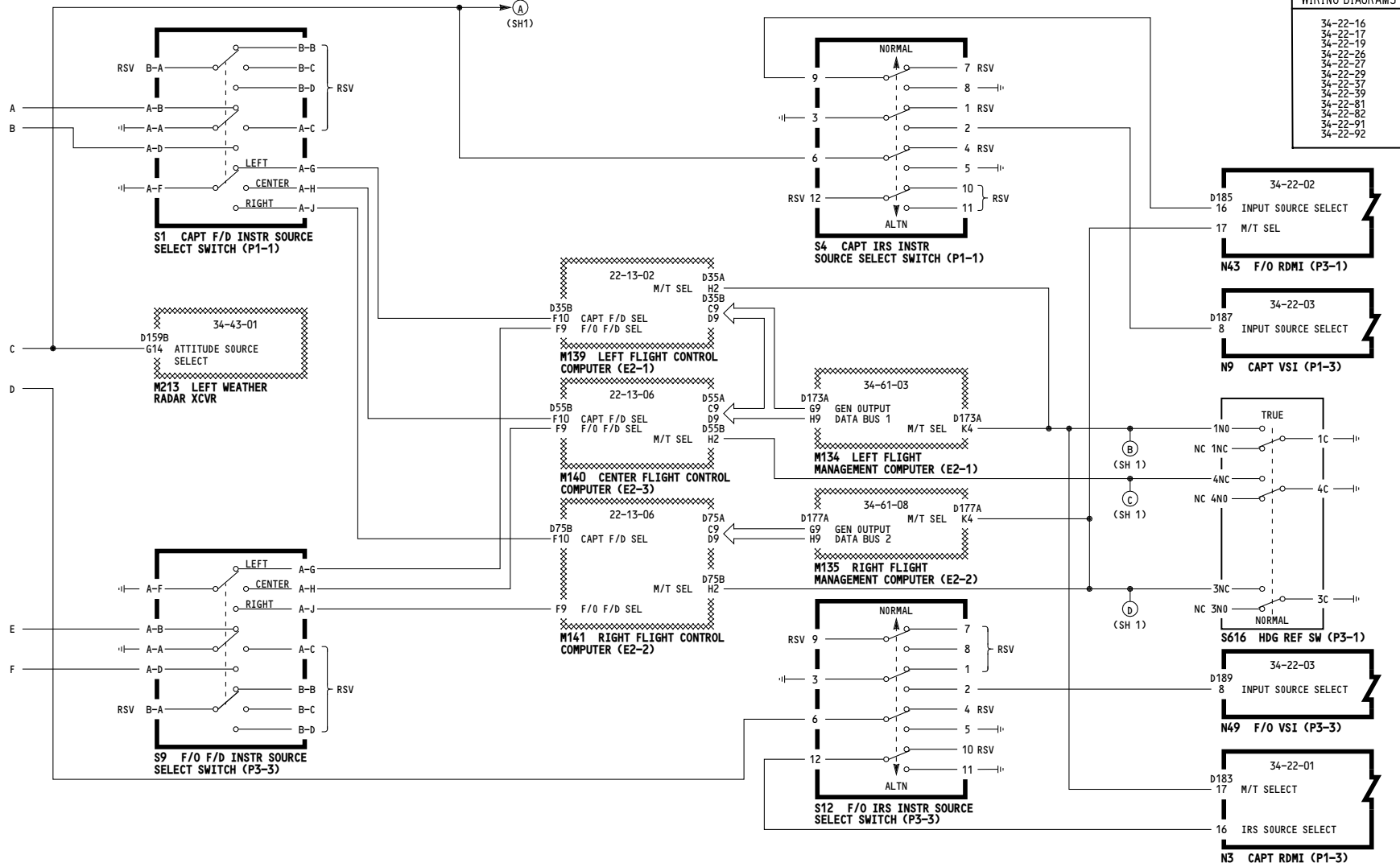
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|---------|---|
| 010-011 | <p>FLIGHT INSTRUMENT SYSTEM SWITCHING</p> <p>D280N032S</p> |
|---------|---|

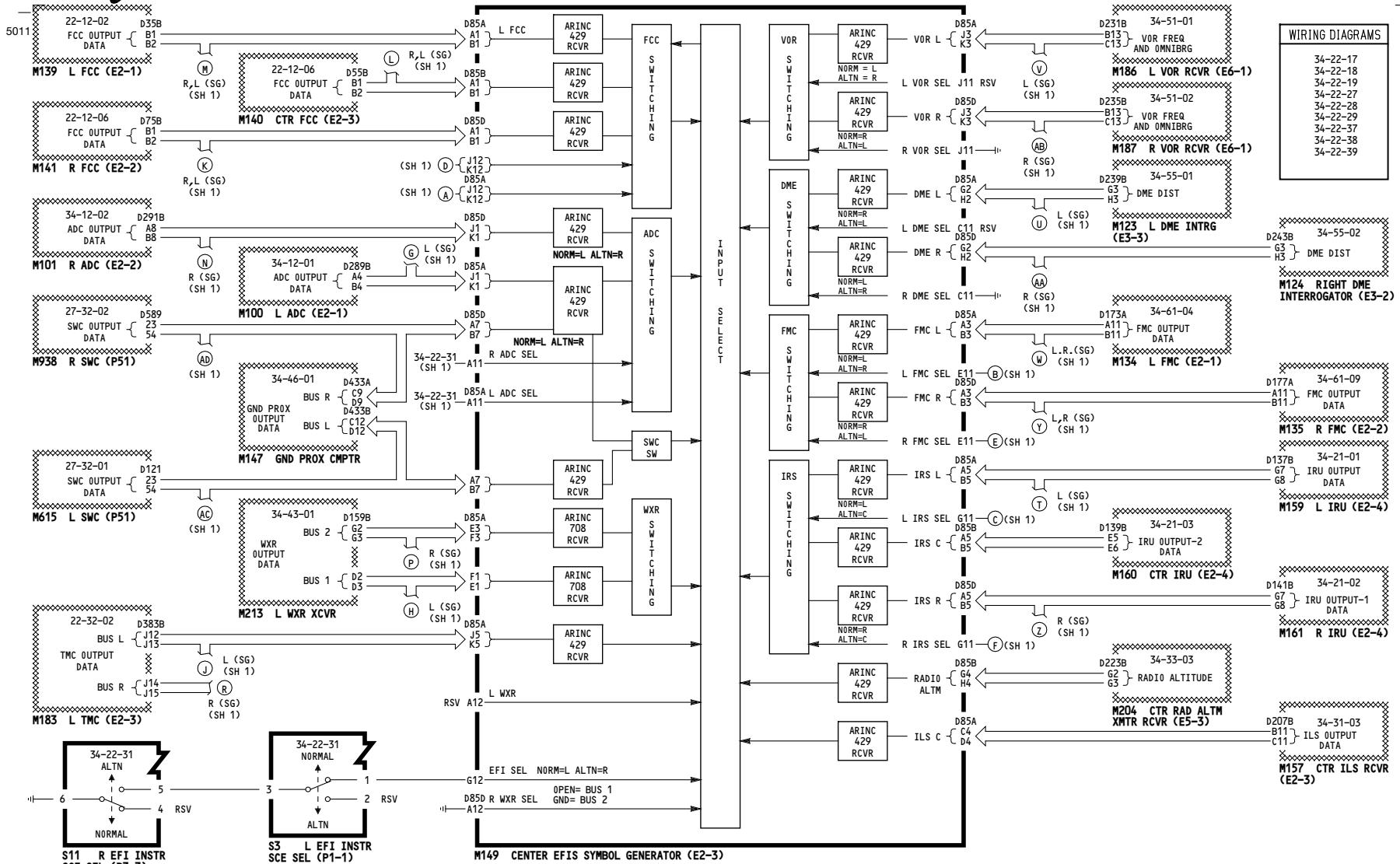
34-22-31

5000



| | |
|---------|---|
| 115-199 | FLIGHT INSTRUMENT SYSTEM SWITCHING |
| | D280N032S |

34-22-31



WIRING DIAGRAMS

| |
|----------|
| 34-22-17 |
| 34-22-18 |
| 34-22-19 |
| 34-22-27 |
| 34-22-28 |
| 34-22-29 |
| 34-22-37 |
| 34-22-38 |
| 34-22-39 |

M124 RIGHT DME INTERROGATOR (E3-2)

| |
|-------|
| D243B |
| G3 |
| H3 |

M135 R FMC (E2-2)

| |
|-------|
| D177A |
| A11 |
| B11 |

M159 L IRU (E2-4)

| |
|-------|
| D137B |
| G7 |
| G8 |

M161 R IRU (E2-4)

| |
|-------|
| D141B |
| G7 |
| G8 |

M157 CTR ILS RCVR (E2-3)

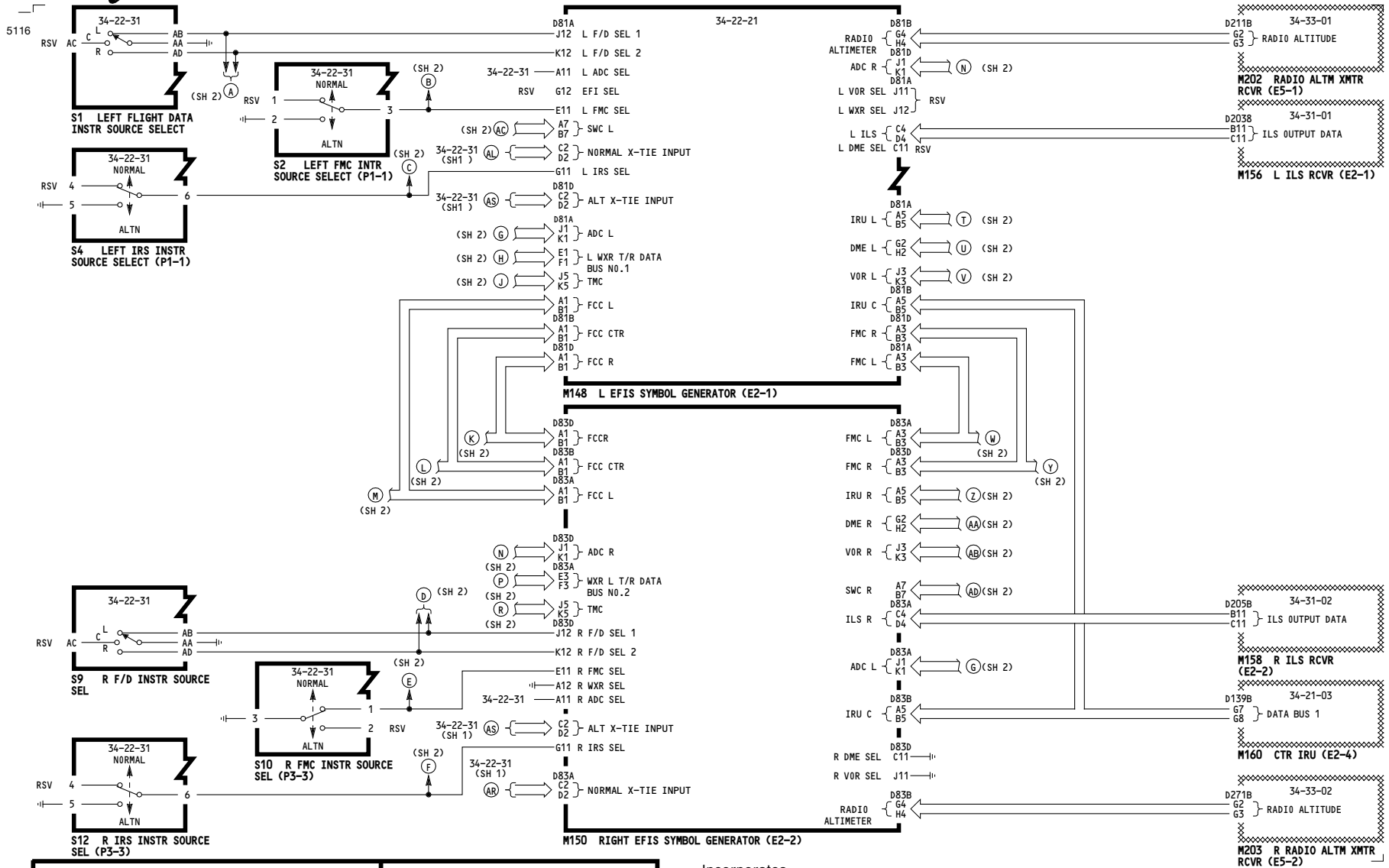
| |
|-------|
| D207B |
| B11 |
| C11 |

001-099

FLIGHT INSTRUMENT DATA BUS SWITCHING

D280N032S

34-22-32



002

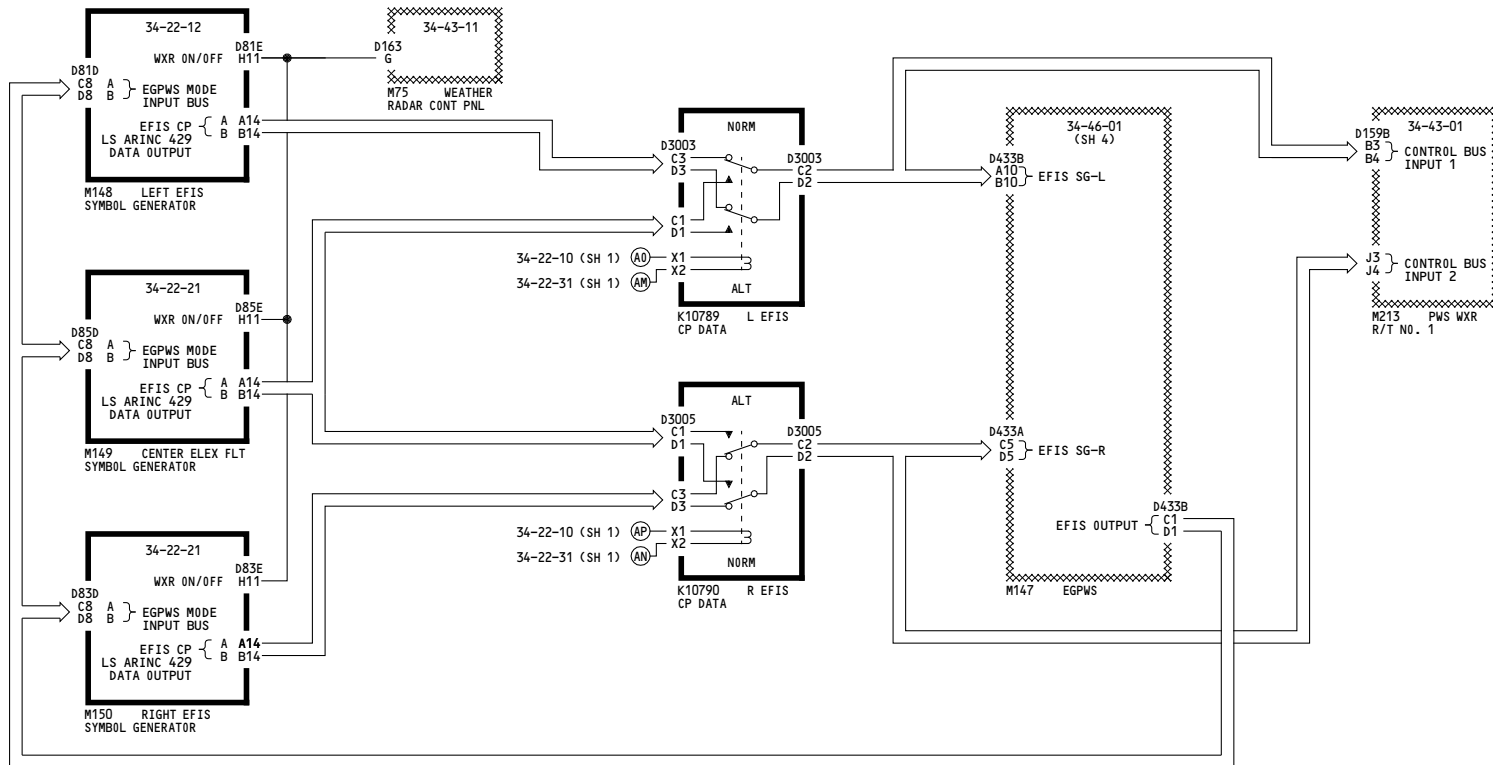
FLIGHT INSTRUMENT DATA BUS SWITCHING

D280N032S

Incorporates
 34-0200

34-22-32

| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-17 | |
| 34-22-18 | |
| 34-22-28 | |
| 34-22-36 | |
| 34-22-37 | |
| 34-22-38 | |

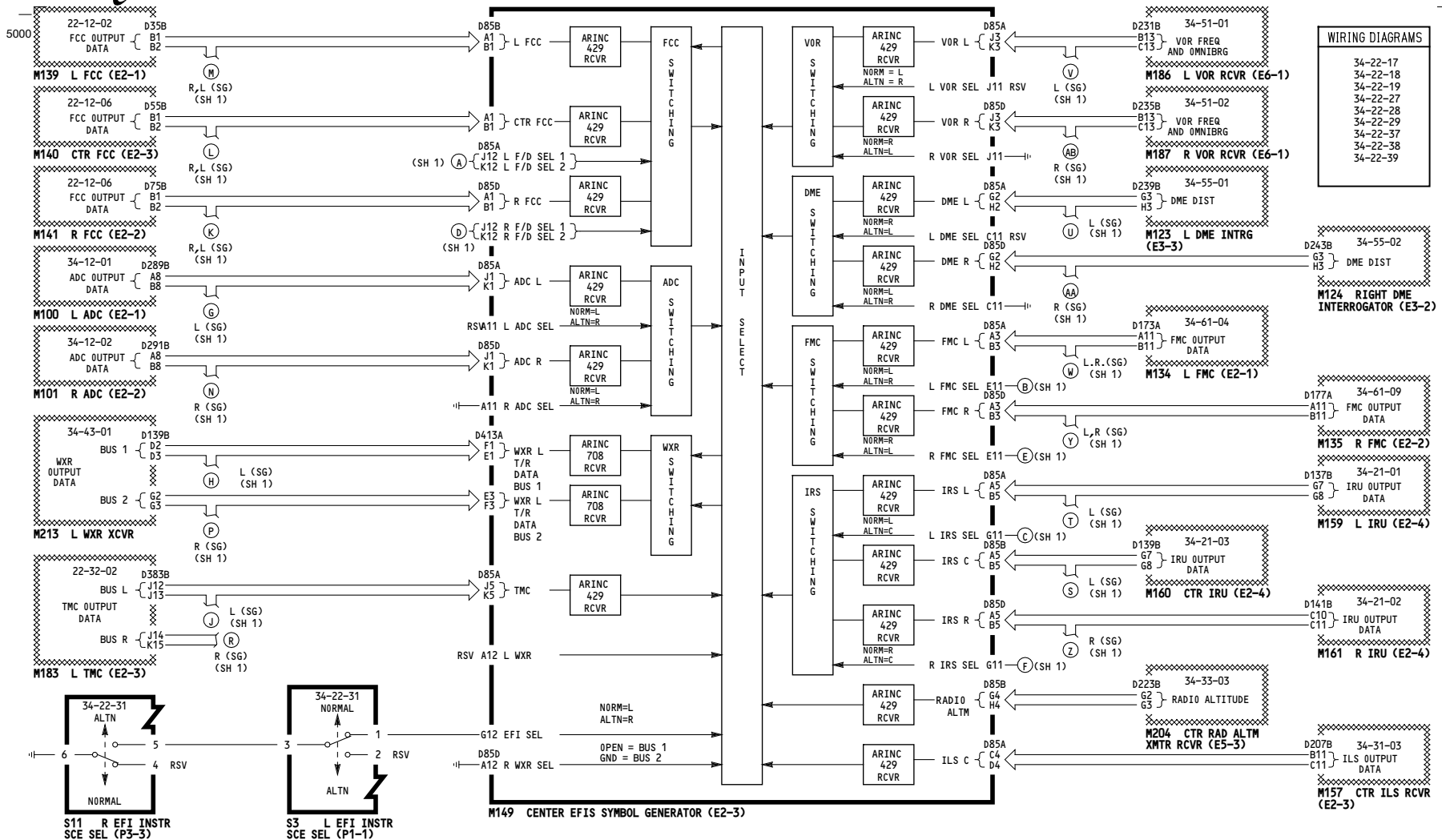


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|-----|---|
| 002 | FLIGHT INSTRUMENT DATA BUS SWITCHING |
| | D280N032S |

Incorporates
 34-0200

34-22-32

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WIRING DIAGRAMS

| |
|----------|
| 34-22-17 |
| 34-22-18 |
| 34-22-19 |
| 34-22-27 |
| 34-22-28 |
| 34-22-29 |
| 34-22-37 |
| 34-22-38 |
| 34-22-39 |

M124 RIGHT DME INTERROGATOR (E3-2)

| |
|----------------|
| D243B 34-55-02 |
| G3 H3 |

M135 R FMC (E2-2)

| |
|----------------|
| D177A 34-61-09 |
| A11 B11 |

M159 L IRU (E2-4)

| |
|----------------|
| D137B 34-21-01 |
| G7 G8 |

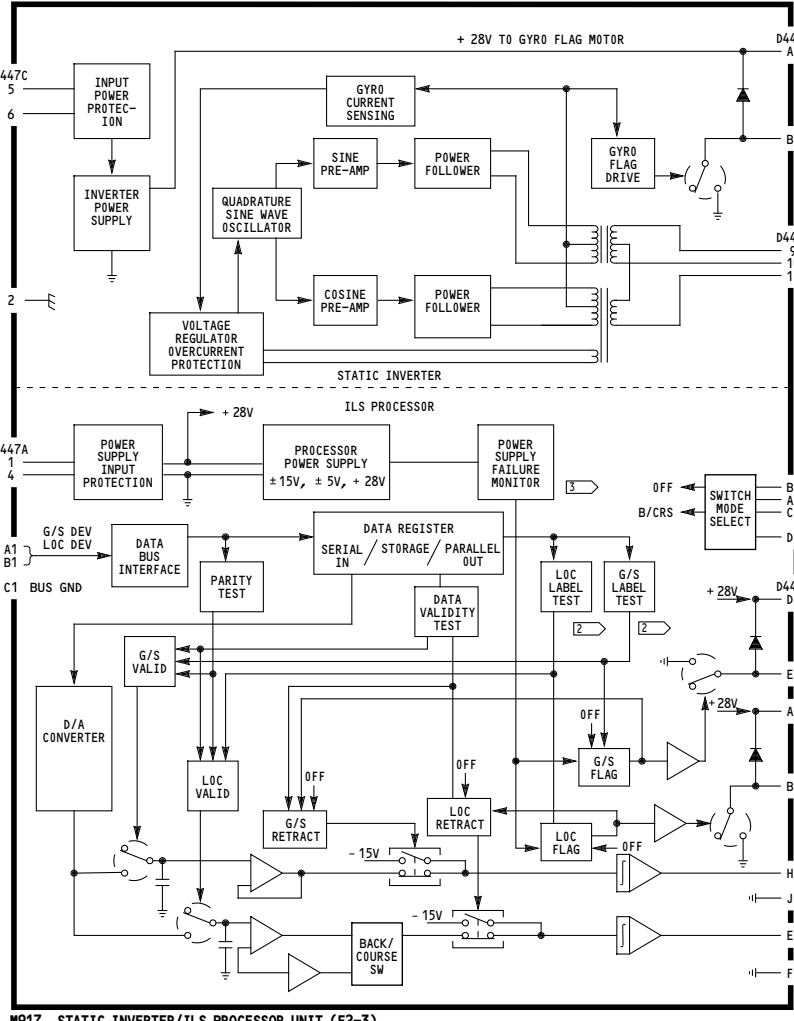
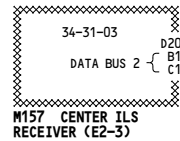
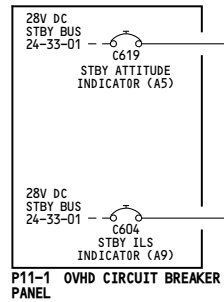
M161 R IRU (E2-4)

| |
|----------------|
| D141B 34-21-02 |
| C10 C11 |

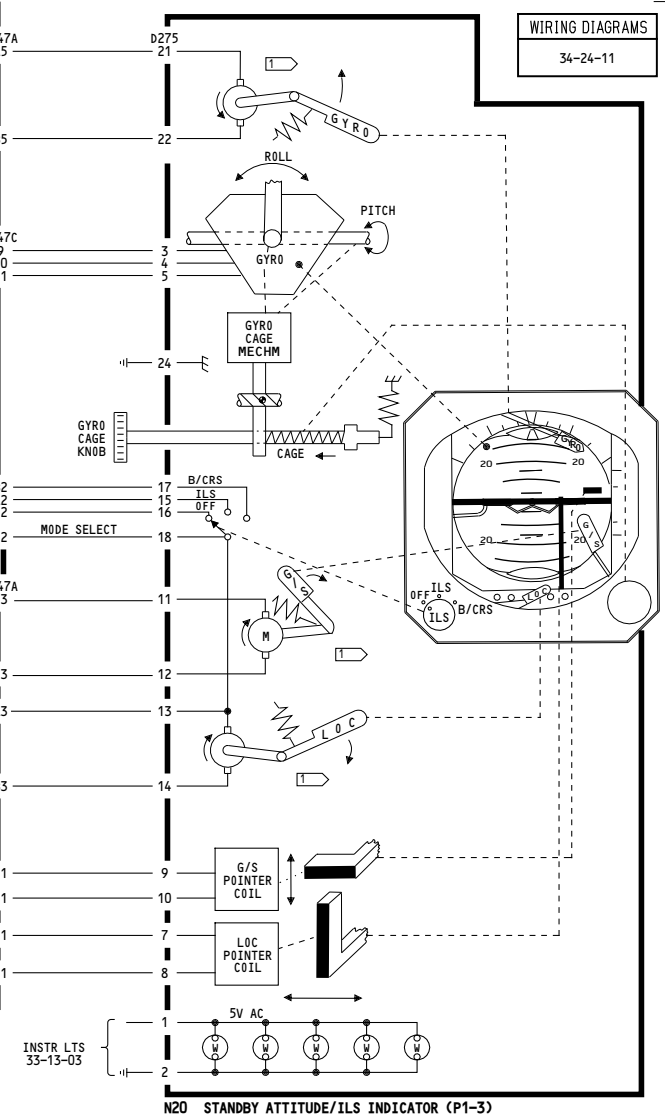
M157 CTR ILS RCVR (E2-3)

| |
|----------------|
| D207B 34-31-03 |
| B11 C11 |

-D
5000



- NOTES:**
- 1 FLAGS ARE DRIVEN BY TORQUE MOTORS TO THE OUT OF VIEW POSITION. WHEN MOTOR IS DE-ENERGIZED SPRING RETURNS FLAG INTO VIEW.
 - 2 LOGIC 1 OUTPUT WHEN TEST IS PASSED
 - 3 LOGIC 1 OUTPUT IF POWER SUPPLY IS GOOD



ALL

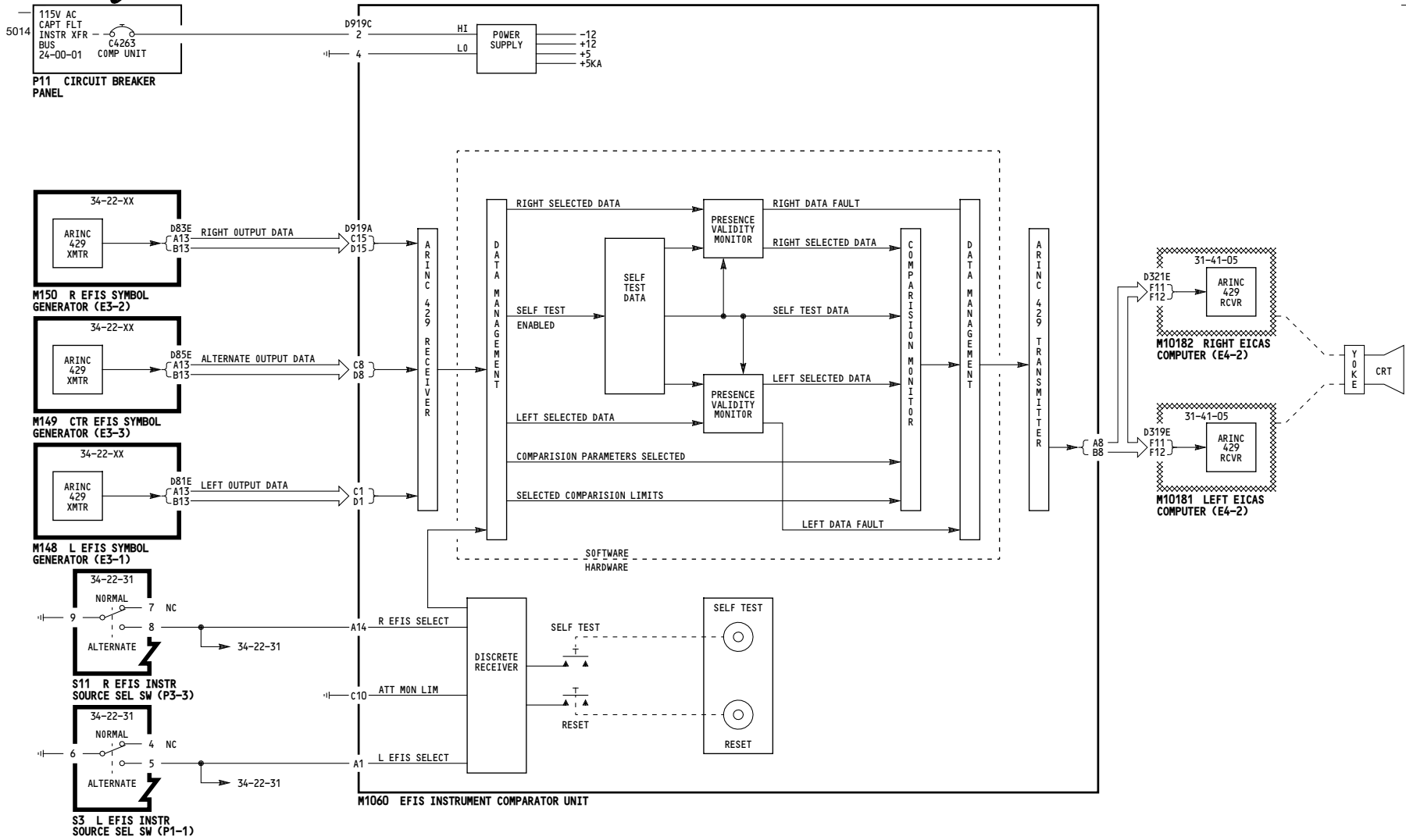
STANDBY ATTITUDE/ILS INDICATOR SYSTEM

D280N032S

34-24-01

Page 101

Jan 21/2005

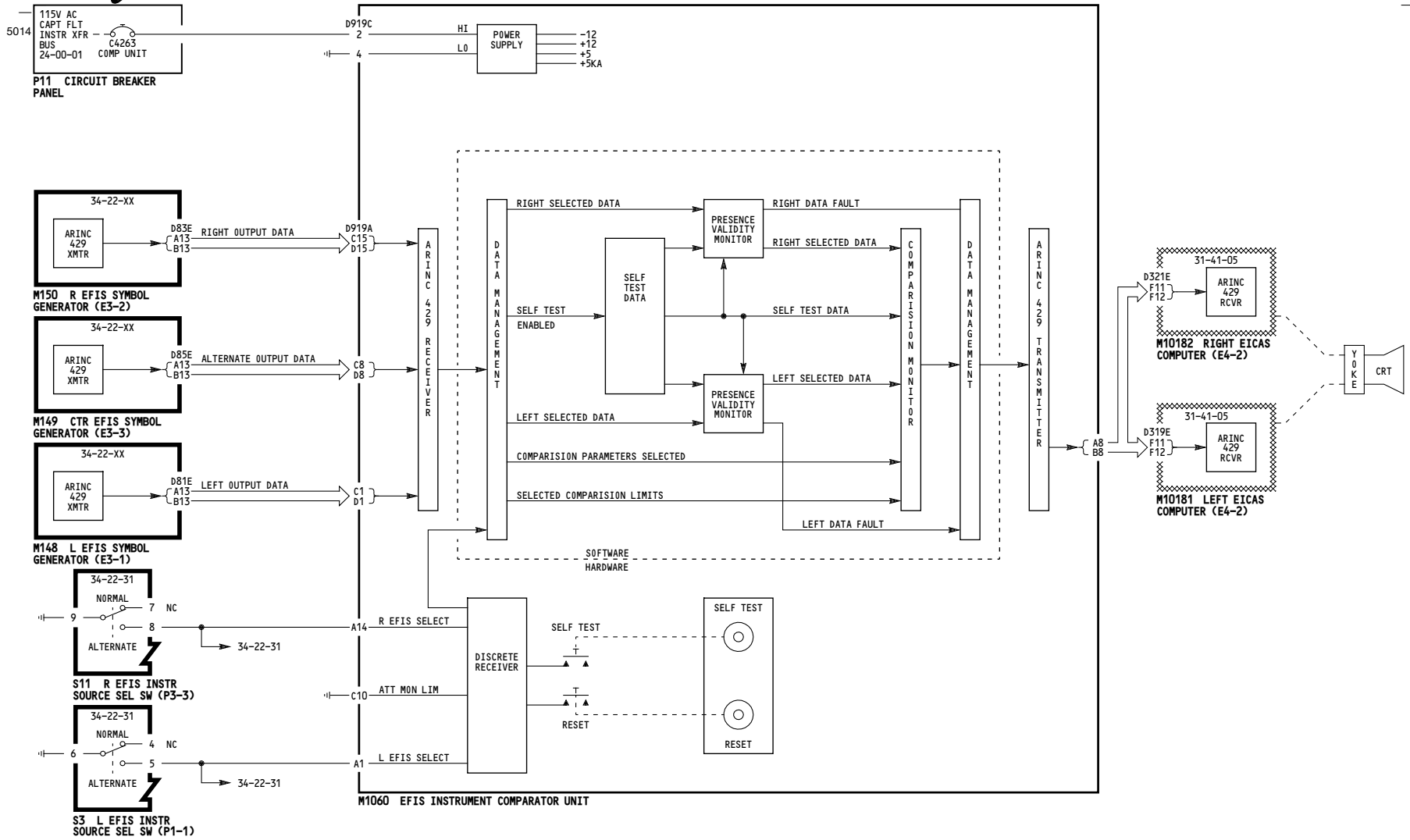


001, 003-099

INSTRUMENT COMPARATOR UNIT

D280N032S

34-25-01



002

INSTRUMENT COMPARATOR UNIT

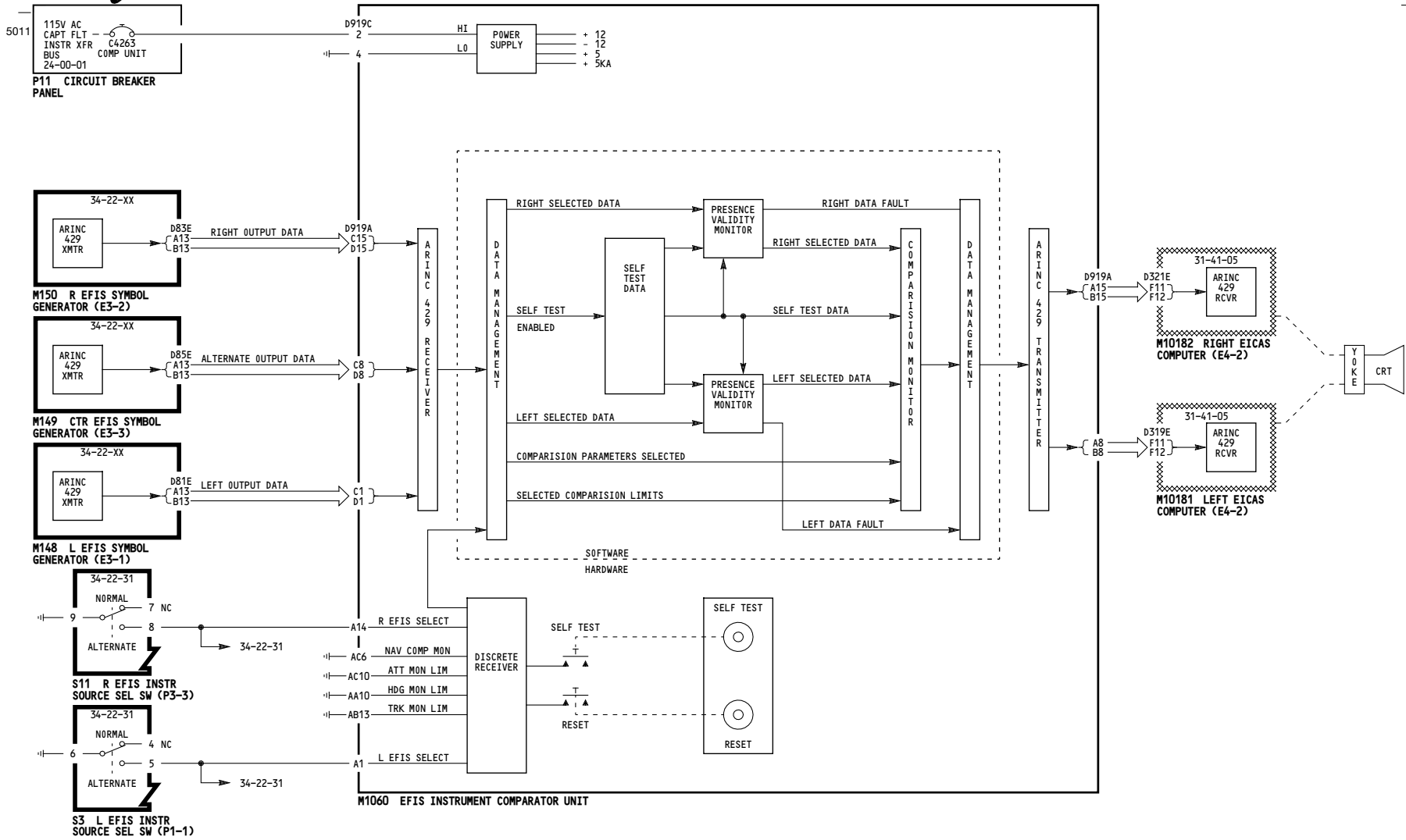
Incorporates
34-0200

D280N032S

34-25-01

Page 102.1

Jan 21/2005

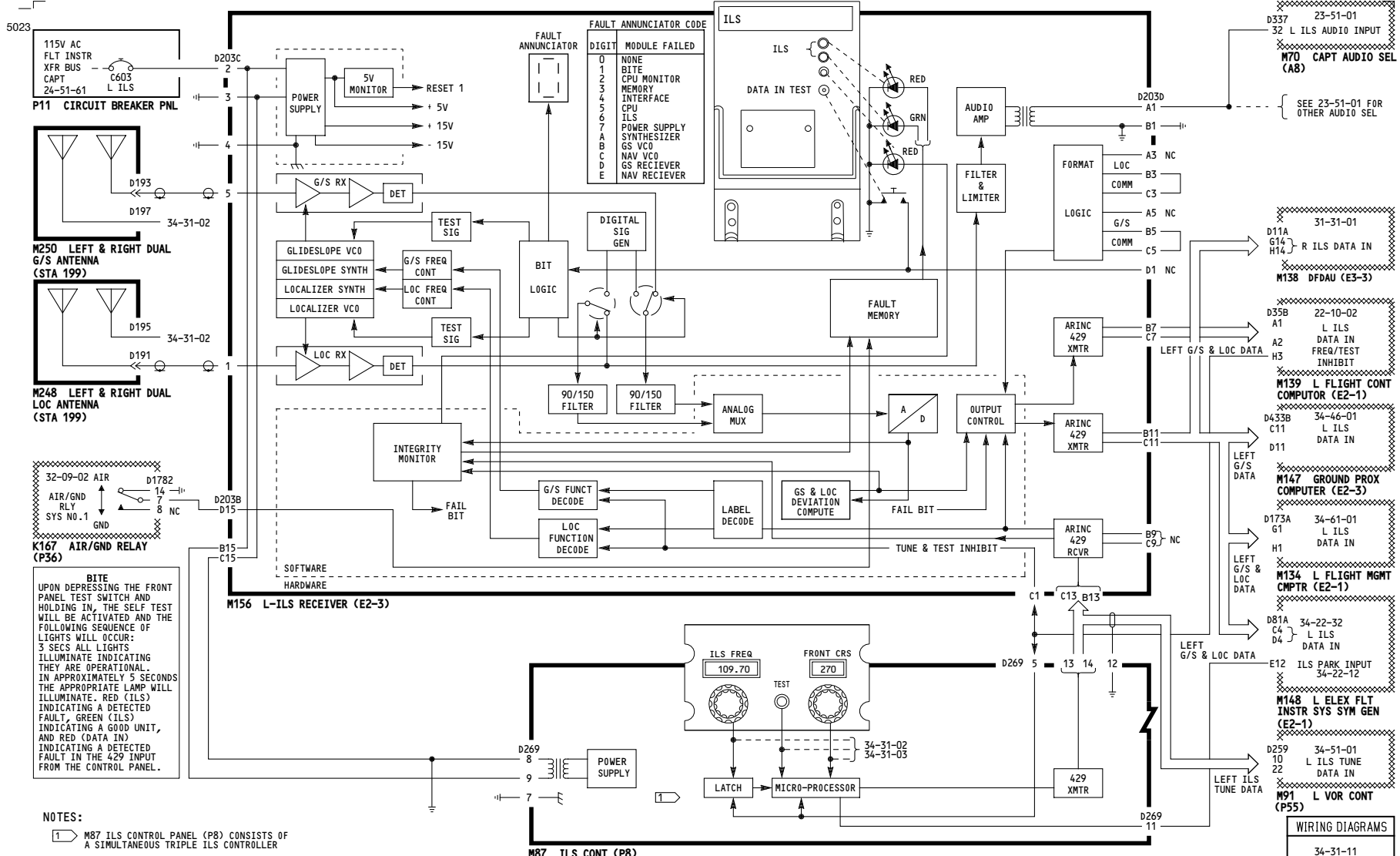


115-199

INSTRUMENT COMPARATOR UNIT

D280N032S

34-25-01



BIT
 UPON DEPRESSING THE FRONT PANEL TEST SWITCH AND HOLDING IN, THE SELF TEST WILL BE ACTIVATED AND THE FOLLOWING SEQUENCE OF LIGHTS WILL OCCUR:
 3 SECS ALL LIGHTS ILLUMINATE INDICATING THEY ARE OPERATIONAL.
 IN APPROXIMATELY 5 SECONDS THE APPROPRIATE LAMP WILL ILLUMINATE. RED (ILS) INDICATING A DETECTED FAULT, GREEN (ILS) INDICATING A GOOD UNIT, AND RED (DATA IN) INDICATING A DETECTED FAULT IN THE 429 INPUT FROM THE CONTROL PANEL.

NOTES:
 1 M87 ILS CONTROL PANEL (P8) CONSISTS OF A SIMULTANEOUS TRIPLE ILS CONTROLLER

001, 009

ILS - LEFT

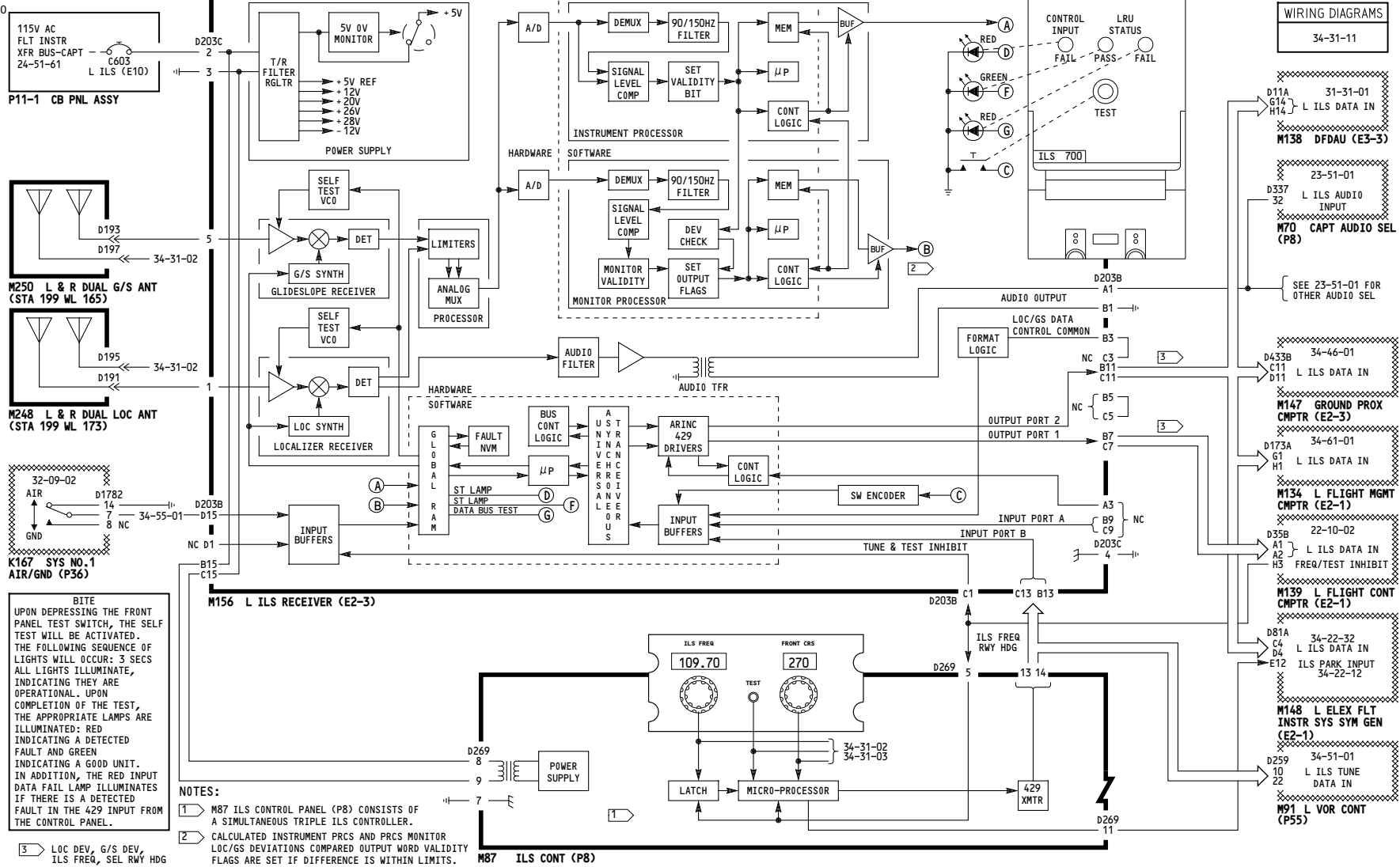
D280N032S

34-31-01

Page 101

Jan 21/2005

5020



BITE
UPON DEPRESSING THE FRONT
PANEL TEST SWITCH, THE SELF
TEST WILL BE ACTIVATED.
THE FOLLOWING SEQUENCE OF
LIGHTS WILL OCCUR: 3 SECS
ALL LIGHTS ILLUMINATE,
INDICATING THEY ARE
OPERATIONAL. UPON
COMPLETION OF THE TEST,
THE APPROPRIATE LAMPS ARE
ILLUMINATED: RED
INDICATING A DETECTED
FAULT AND GREEN
INDICATING A GOOD UNIT.
IN ADDITION, THE RED INPUT
DATA FAIL LAMP ILLUMINATES
IF THERE IS A DETECTED
FAULT IN THE 429 INPUT FROM
THE CONTROL PANEL.

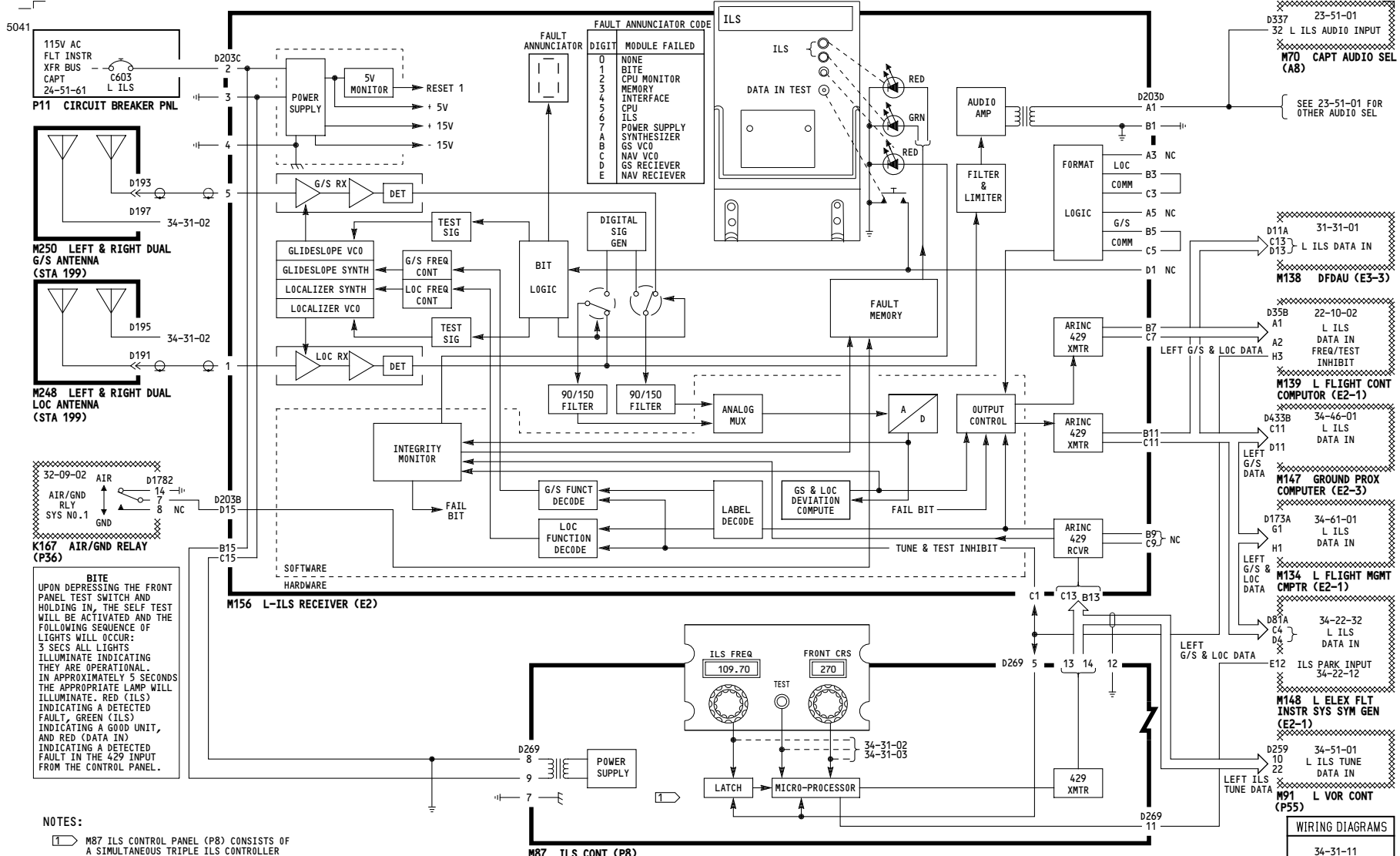
NOTES:
1 M87 ILS CONTROL PANEL (P8) CONSISTS OF
A SIMULTANEOUS TRIPLE ILS CONTROLLER.
2 CALCULATED INSTRUMENT PRCS AND PRCS MONITOR
LOC/GS DEVIATIONS COMPARED OUTPUT WORD VALIDITY
FLAGS ARE SET IF DIFFERENCE IS WITHIN LIMITS.

002-008, 010-099

ILS - LEFT

D280N032S

34-31-01



115-199

ILS - LEFT

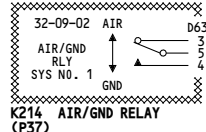
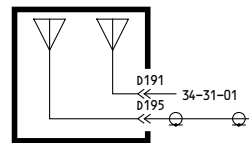
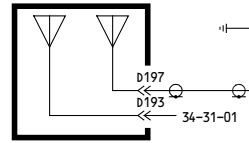
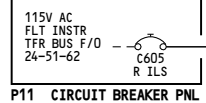
D280N032S

34-31-01

Page 103

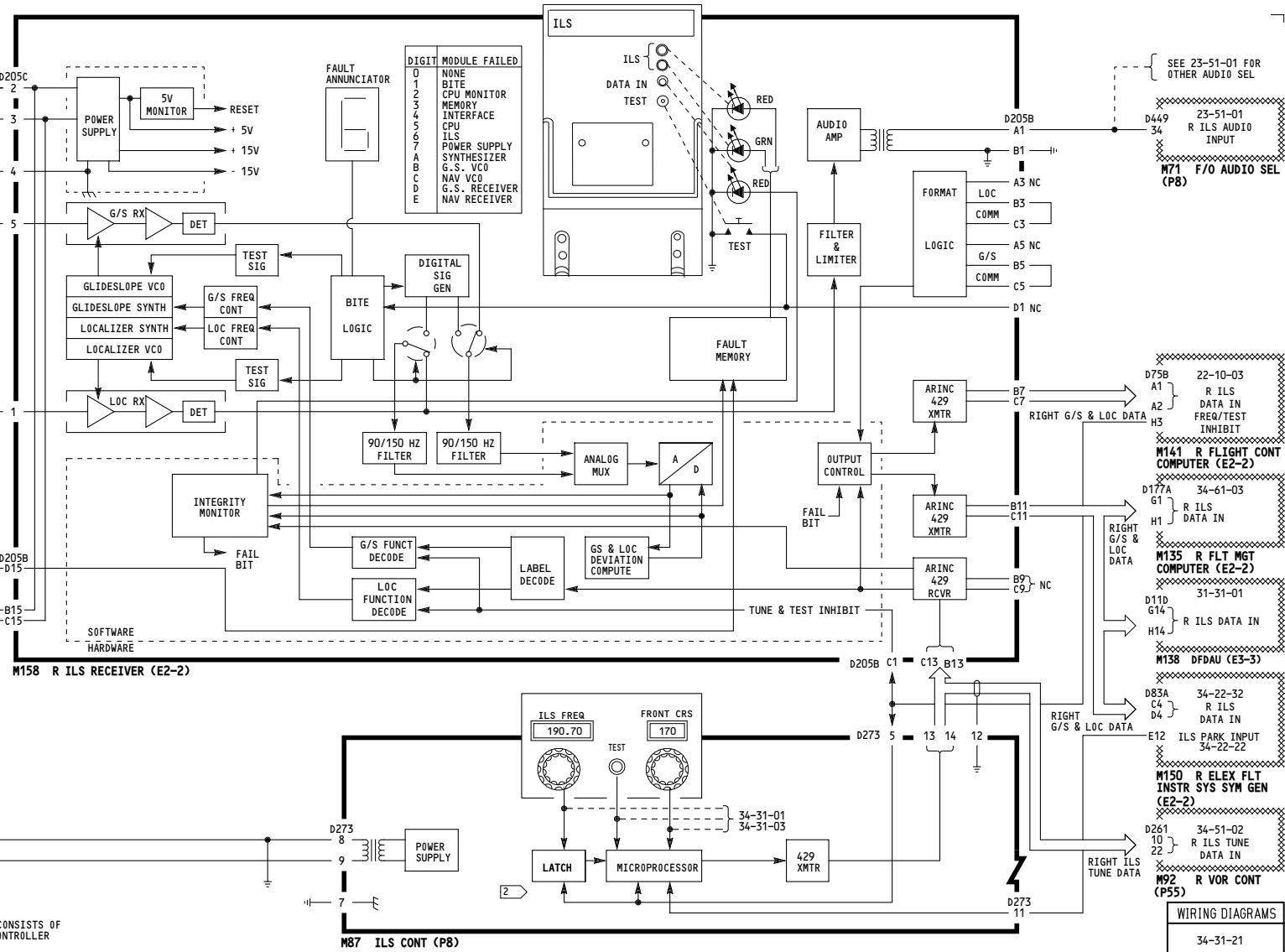
Jan 21/2005

5021



BITE
UPON DEPRESSING THE FRONT PANEL TEST SWITCH AND HOLDING IN, THE SELF TEST WILL BE ACTIVATED AND THE FOLLOWING SEQUENCE OF LIGHTS WILL OCCUR:
3 SECS ALL LIGHTS ILLUMINATE INDICATING THEY ARE OPERATIONAL. IN APPROXIMATELY 5 SECONDS THE APPROPRIATE LAMP WILL ILLUMINATE:
RED (ILS) INDICATING A DETECTED FAULT, GREEN (ILS) INDICATING A GOOD UNIT AND RED (DATA IN) INDICATING A DETECTED FAULT IN THE 429 INPUT FROM THE CONTROL PANEL.

NOTES:
M87 ILS CONTROL PANEL (P8) CONSISTS OF A SIMULTANEOUS TRIPLE ILS CONTROLLER



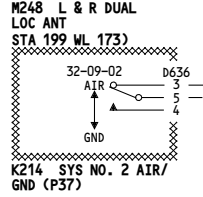
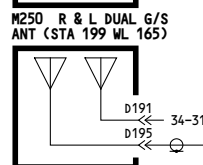
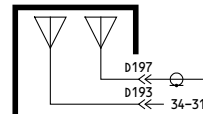
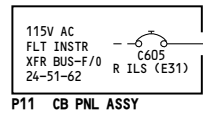
001, 009

ILS - RIGHT

D280N032S

34-31-02

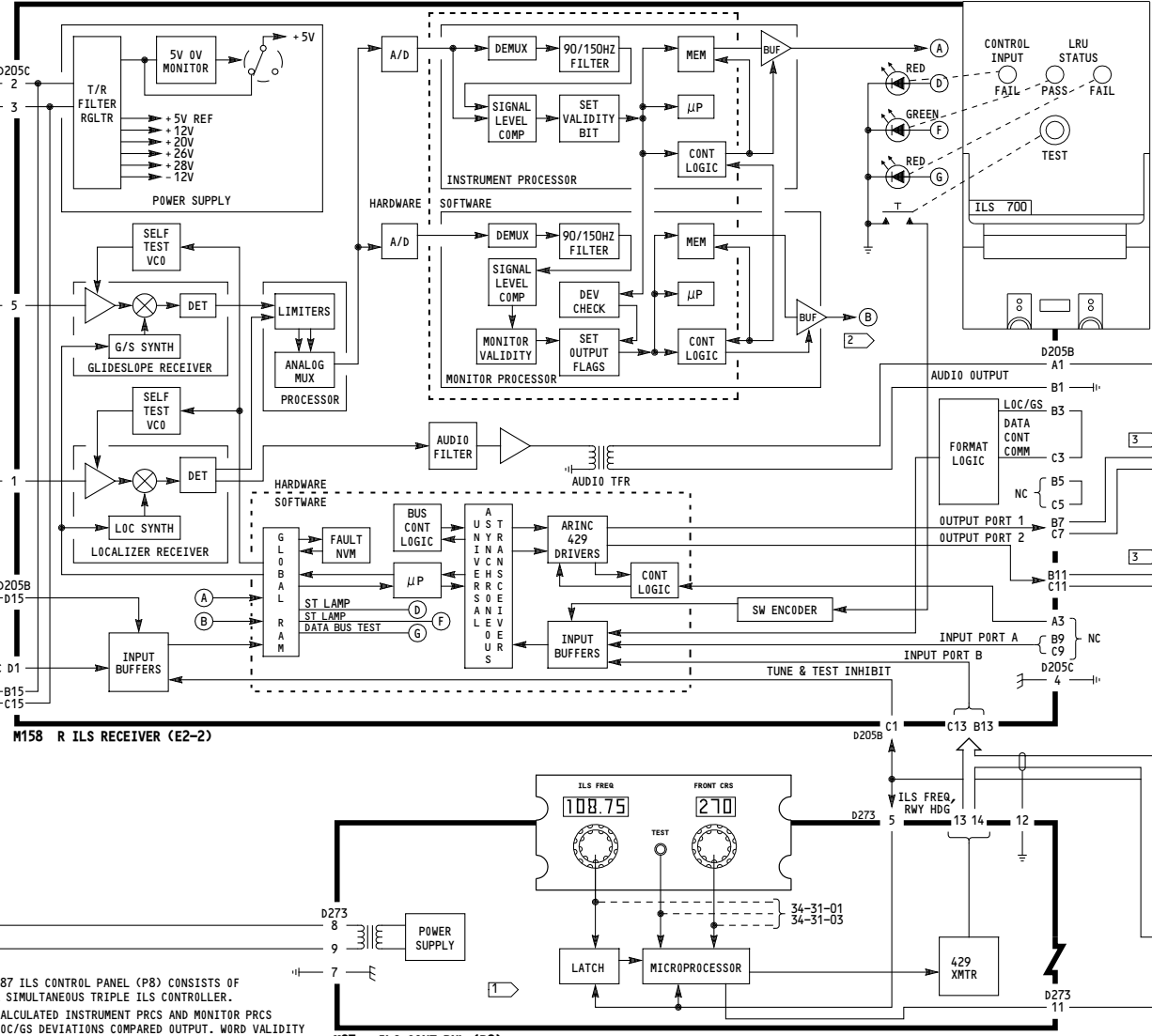
5022



BITE
UPON DEPRESSING THE FRONT PANEL TEST SWITCH THE SELF TEST WILL BE ACTIVATED. THE FOLLOWING SEQUENCE OF LIGHTS WILL OCCUR: 3 SECS ALL LIGHTS ILLUMINATE INDICATING THEY ARE OPERATIONAL. UPON COMPLETION OF THE TEST THE APPROPRIATE LAMPS ARE ILLUMINATED. RED INDICATING A DETECTED FAULT AND GREEN INDICATING A GOOD UNIT. IN ADDITION THE RED INPUT DATA FAIL LAMP ILLUMINATES IF THERE IS A DETECTED FAULT IN THE 429 INPUT FROM THE CONTROL PANEL

NOTES:

- 1 M87 ILS CONTROL PANEL (P8) CONSISTS OF A SIMULTANEOUS TRIPLE ILS CONTROLLER.
- 2 CALCULATED INSTRUMENT PRCS AND MONITOR PRCS LOC/GS DEVIATIONS COMPARED OUTPUT. WORD VALIDITY FLAGS ARE SET IF DIFFERENCE IS WITHIN LIMITS.
- 3 LOC DEV, G/S DEV, ILS FREQ, SEL RWY HDG



WIRING DIAGRAMS
34-31-21

- D337 23-51-01 (SH 2) R ILS AUDIO INPUT
- M70 CAPT AUDIO SEL PNL (P8)
- D75B 22-10-03 R ILS DATA IN FREQ/TEST INHIBIT
- M141 R FLIGHT CONT CMPTR (E2-2)
- D177A 34-61-03 R ILS DATA IN
- M135 R FLIGHT MGMT CMPTR (E2-2)
- D11D 31-31-01 R ILS DATA IN
- M138 DFFAU (E3-3)
- D83A 34-22-32 ILS DATA IN
- E12 ILS PARK INPUT 34-22-22
- M150 R ELEX FLT INSTR SYS SYM GEN (E2-2)
- D261 34-51-02 ILS TUNE DATA IN
- M92 R VOR CONT PNL (P55)

002-008, 010-099

ILS - RIGHT

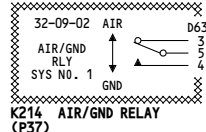
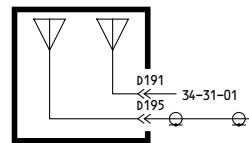
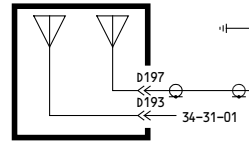
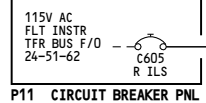
D280N032S

34-31-02

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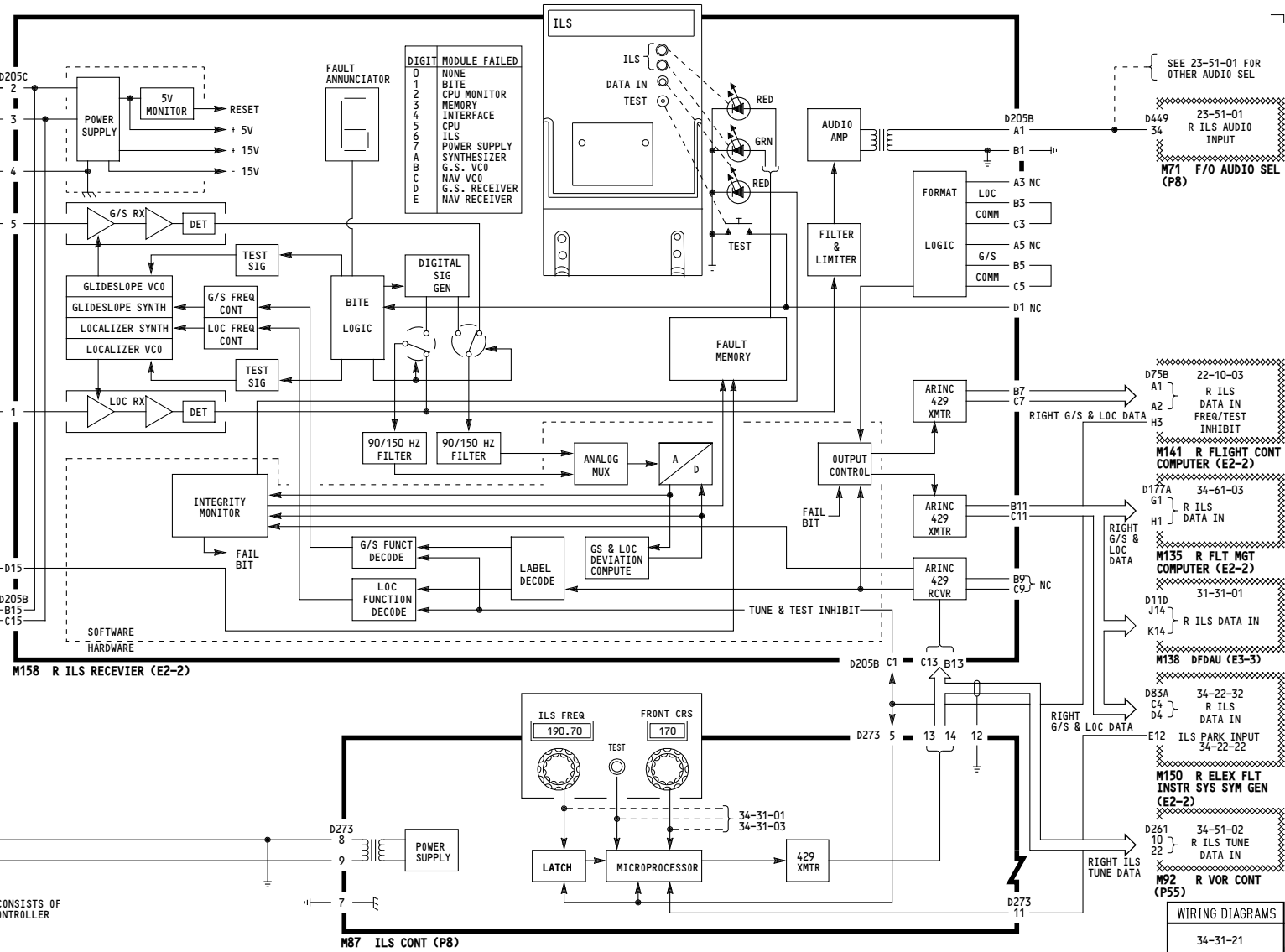
Jan 21/2005

5039



BITE
UPON DEPRESSING THE FRONT PANEL TEST SWITCH AND HOLDING IN, THE SELF TEST WILL BE ACTIVATED AND THE FOLLOWING SEQUENCE OF LIGHTS WILL OCCUR:
3 SECS ALL LIGHTS ILLUMINATE INDICATING THEY ARE OPERATIONAL. IN APPROXIMATELY 5 SECONDS THE APPROPRIATE LAMP WILL ILLUMINATE:
RED (ILS) INDICATING A DETECTED FAULT, GREEN (ILS) INDICATING A GOOD UNIT AND RED (DATA IN) INDICATING A DETECTED FAULT IN THE 429 INPUT FROM THE CONTROL PANEL.

M87 ILS CONTROL PANEL (P8) CONSISTS OF A SIMULTANEOUS TRIPLE ILS CONTROLLER



SEE 23-51-01 FOR OTHER AUDIO SEL
D449 23-51-01 R ILS AUDIO INPUT
M71 F/O AUDIO SEL (P8)

D75B 22-10-03 R ILS DATA IN
A1
A2
C7
H3
M141 R FLIGHT CONT COMPUTER (E2-2) INHIBIT

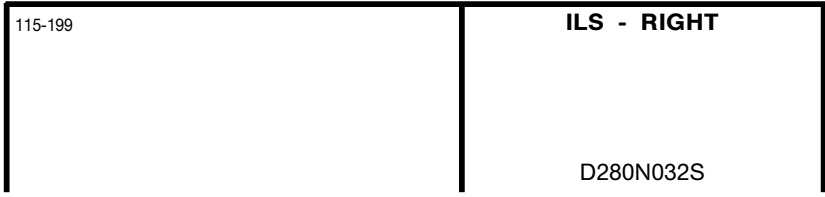
D177A 34-61-03 R ILS DATA IN
G1
H1
X
M135 R FLT MGT COMPUTER (E2-2)

D11D 31-31-01 R ILS DATA IN
J14
K14
M138 DFDAU (E3-3)

D83A 34-22-32 R ILS DATA IN
C4
D4
E12 ILS PARK INPUT 34-22-22

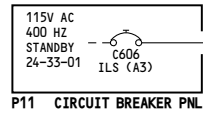
M150 R ELEX FLT INSTR SYS SYM GEN (E2-2)
D261 34-51-02 R ILS TUNE DATA IN
10
22
M92 R VOR CONT (P55)

WIRING DIAGRAMS
34-31-21

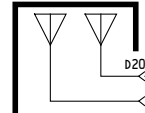


34-31-02

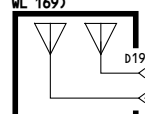
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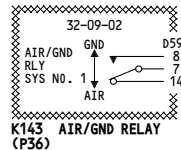
P11 CIRCUIT BREAKER PNL



M251 CENTER DUAL G/S ANT (STA 199, WL 169)

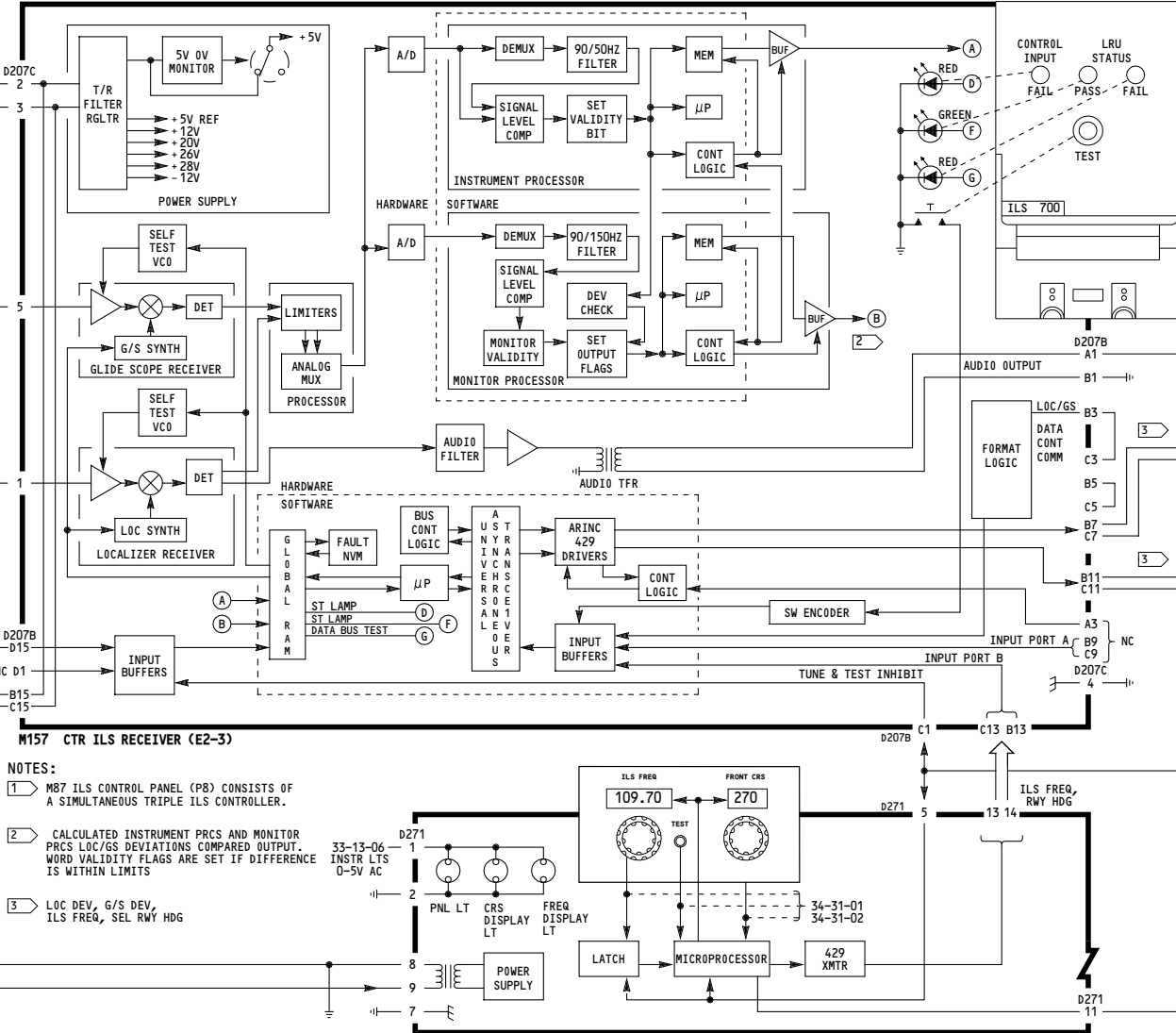


M249 CENTER DUAL LOC ANT (STA 199, WL 209)



K143 AIR/GND RELAY (P36)

BITE
UPON DEPRESSING THE FRONT PANEL TEST SWITCH AND HOLDING IN, THE SELF TEST WILL BE ACTIVATED AND THE FOLLOWING SEQUENCE OF LIGHTS WILL OCCUR: 3 SECS ALL LIGHTS ILLUMINATE INDICATING THEY ARE OPERATIONAL. IN APPROXIMATELY 5 SECONDS THE APPROPRIATE LAMP WILL ILLUMINATE:
RED (ILS) INDICATING A DETECTED FAULT, GREEN (ILS) INDICATING A GOOD UNIT AND RED (DATA IN) INDICATING A DETECTED FAULT IN THE 429 INPUT FROM THE CONTROL PANEL.



M157 CTR ILS RECEIVER (E2-3)

NOTES:

- M87 ILS CONTROL PANEL (P8) CONSISTS OF A SIMULTANEOUS TRIPLE ILS CONTROLLER.
- CALCULATED INSTRUMENT PRCS AND MONITOR PRCS LOC/GS DEVIATIONS COMPARED OUTPUT. WORD VALIDITY FLAGS ARE SET IF DIFFERENCE IS WITHIN LIMITS.
- LOC DEV, G/S DEV, ILS FREQ, SEL RMY HDG

M87 ILS CONT (P8)

WIRING DIAGRAMS
34-31-31

SEE 23-51-01 FOR OTHER AUDIO SEL

23-51-01
D457 33 CTR ILS AUDIO INPUT

M98 FIRST OBSERVER AUDIO SEL (P17)

D55B 22-10-04 A1 CTR ILS DATA IN A2

H3 FREQ/TEST INHIBIT

M140 CTR FLIGHT CONT COMPUTER (E2-3)

D447A 34-24-01 A1 CTR ILS DATA IN B1

M917 STATIC INV/ ILS PRCSR UNIT (E2-3)

D85A 34-22-32 C4 CTR ILS DATA INPUT

ILS PARK INPUT

M149 CTR ELEX FLT INSTR SYS SYM GEN (E2-3)

D11A 31-31-01 J14 CTR ILS DATA IN K14

M138 DPAU (E3-3)

001-008, 010-099

ILS - CENTER

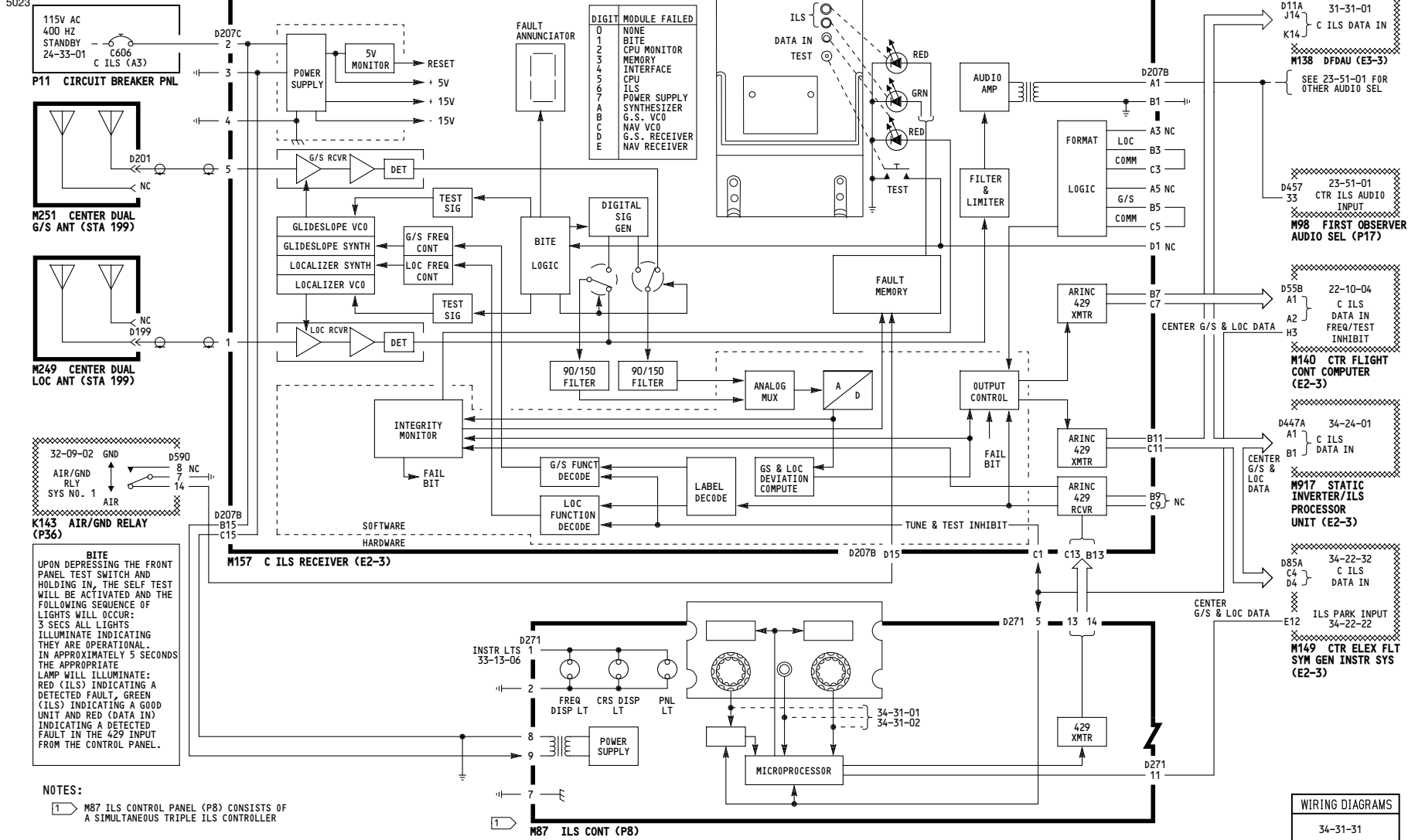
D280N032S

34-31-03

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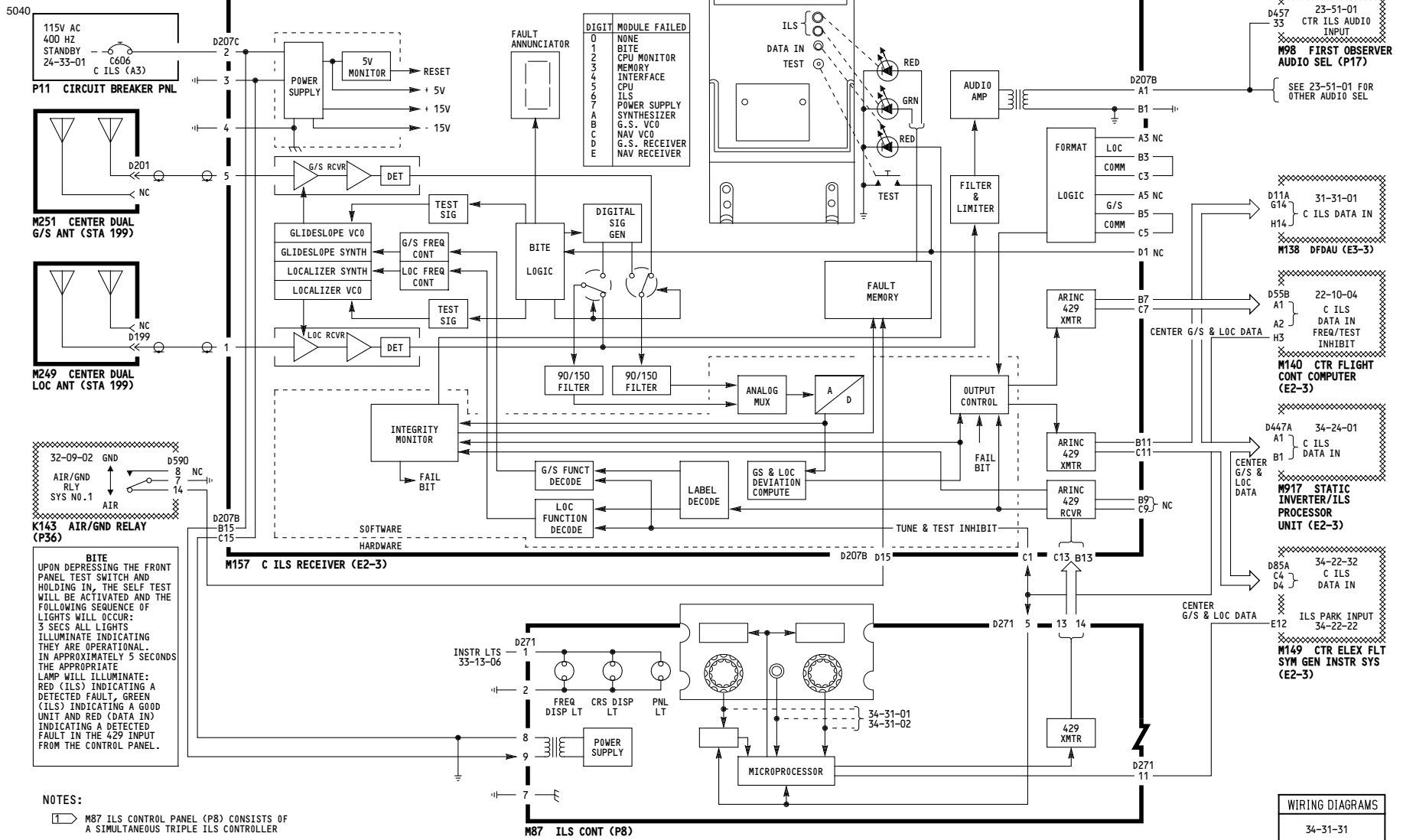


009

ILS - CENTER

D280N032S

34-31-03



| DIGIT | MODULE FAILED |
|-------|---------------|
| 0 | NONE |
| 1 | BIT E |
| 2 | CPU MONITOR |
| 3 | MEMORY |
| 4 | INTERFACE |
| 5 | CPU |
| 6 | POWER SUPPLY |
| 7 | SYNTHESIZER |
| A | ILS |
| B | G.S. VCO |
| C | NAV VCO |
| D | G.S. RECEIVER |
| E | NAV RECEIVER |

D457 23-51-01
33 CTR ILS AUDIO INPUT
M98 FIRST OBSERVER AUDIO SEL (P17)
SEE 23-51-01 FOR OTHER AUDIO SEL

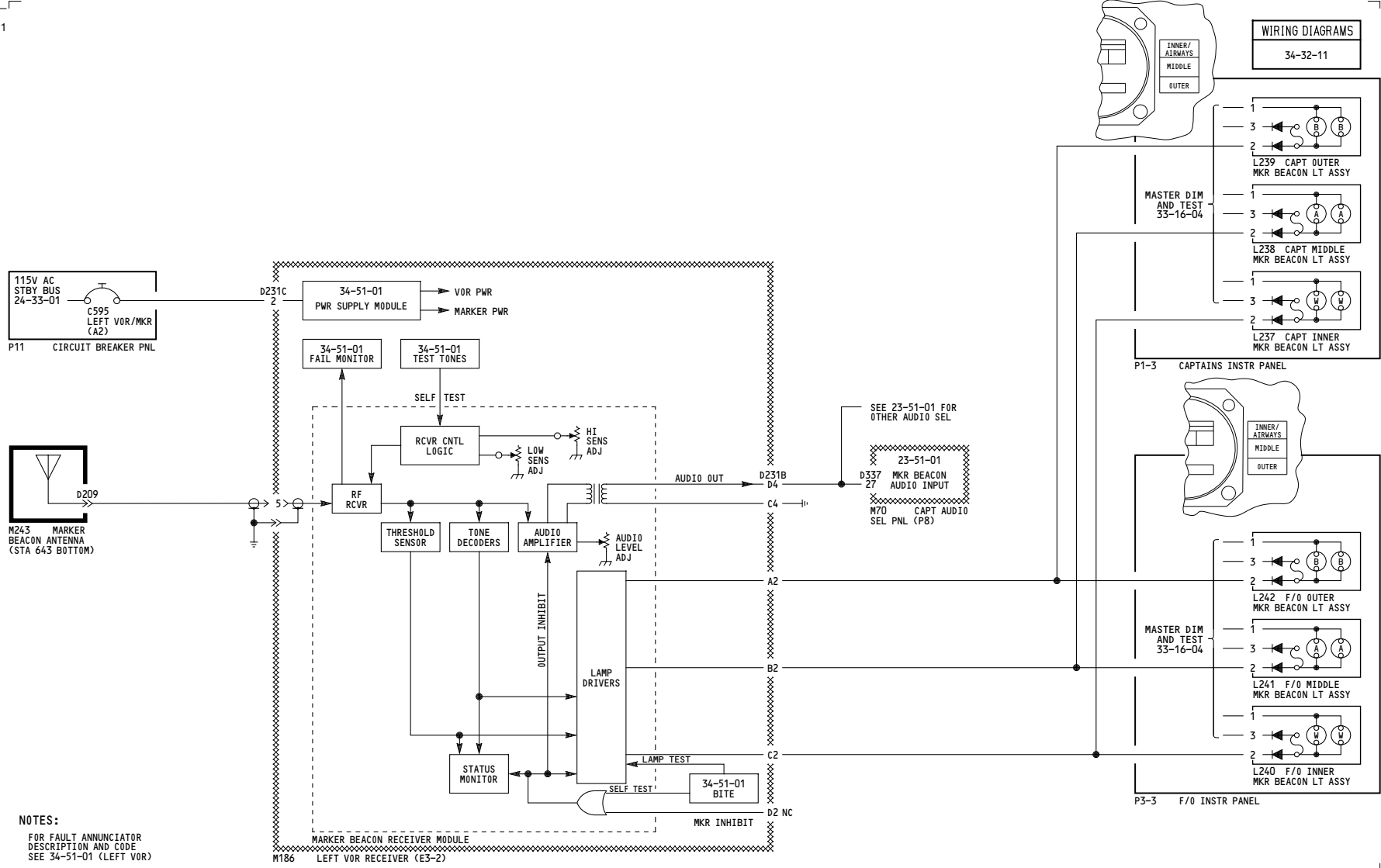
D11A 31-31-01
G14 H14 C ILS DATA IN
M138 DPAU (E3-3)

D55B 22-10-04
A1 C ILS DATA IN
A2 DATA IN
H3 FREQ/TEST INHIBIT
M140 CTR FLIGHT CONT COMPUTER (E2-3)

D447A 34-24-01
A1 C ILS DATA IN
B1
M917 STATIC INVERTER/ILS PROCESSOR UNIT (E2-3)

D85A 34-22-32
C4 D4 C ILS DATA IN
E12 ILS PARK INPUT
M149 CTR ELEX FLT SYM GEN INSTR SYS (E2-3)

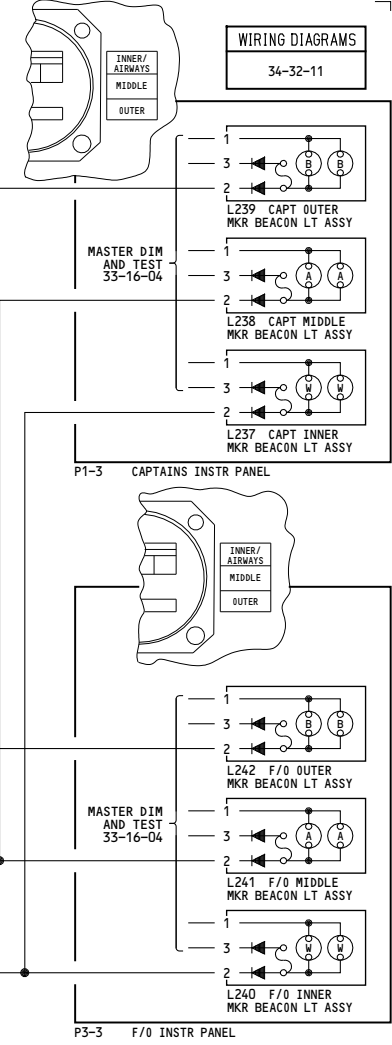
5021



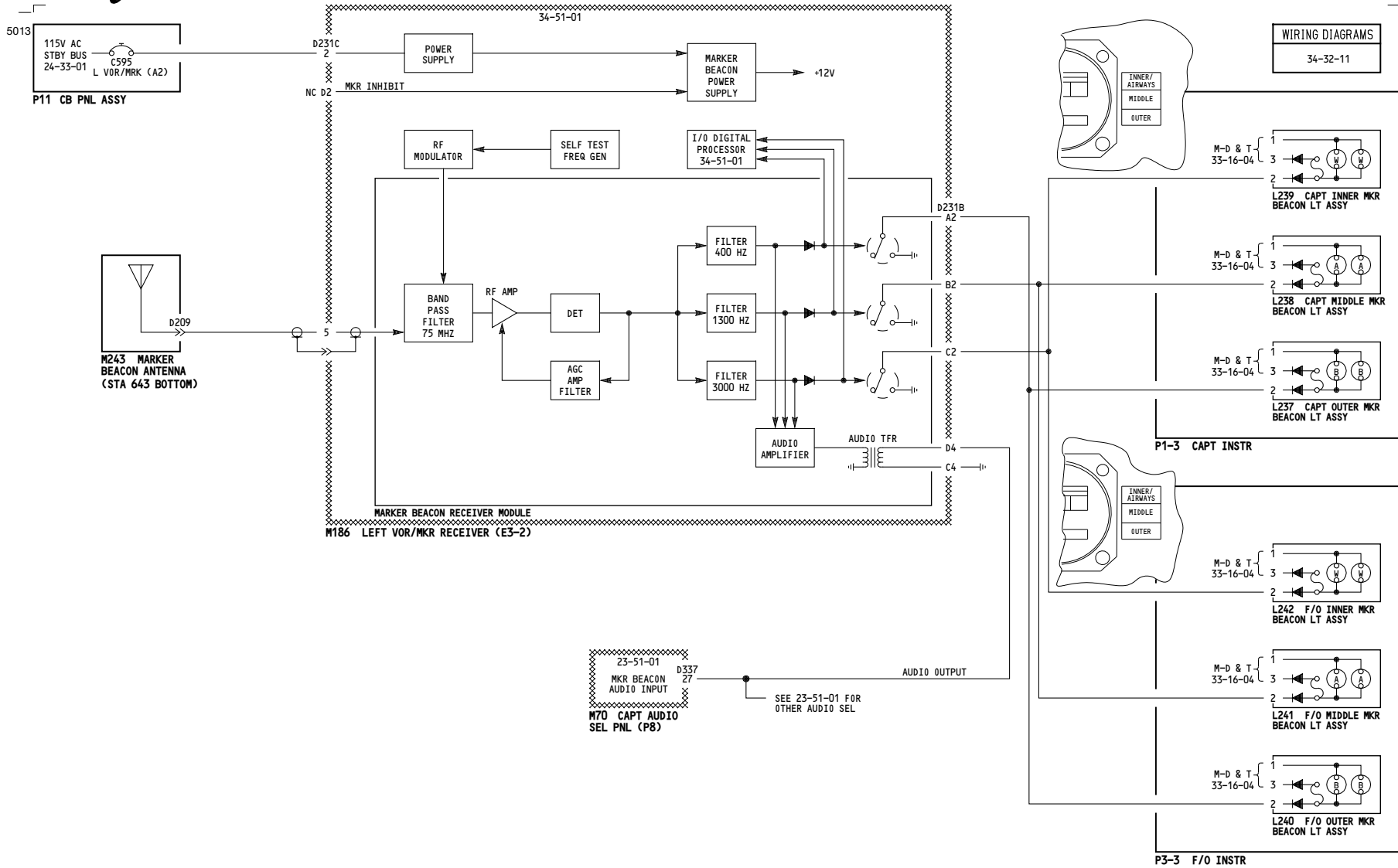
NOTES:
FOR FAULT ANNUCIATOR
DESCRIPTION AND CODE
SEE 34-51-01 (LEFT VOR)

| | |
|----------|--|
| 001, 009 | <p align="center">MARKER BEACON</p> <p align="center">D280N032S</p> |
|----------|--|

WIRING DIAGRAMS
34-32-11



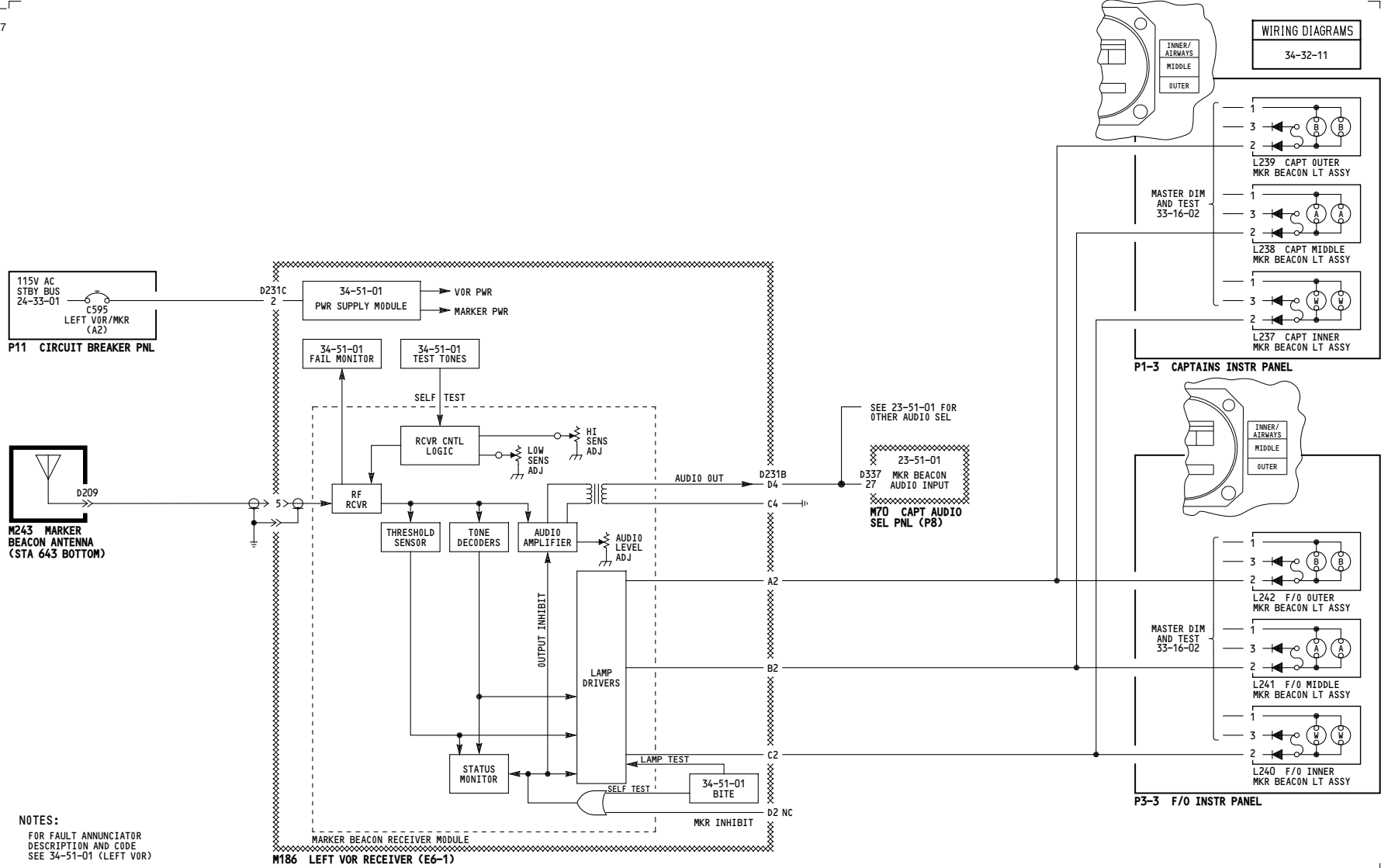
34-32-01



| | |
|------------------|----------------------|
| 002-008, 010-099 | MARKER BEACON |
| | D280N032S |

34-32-01

5017



115-199

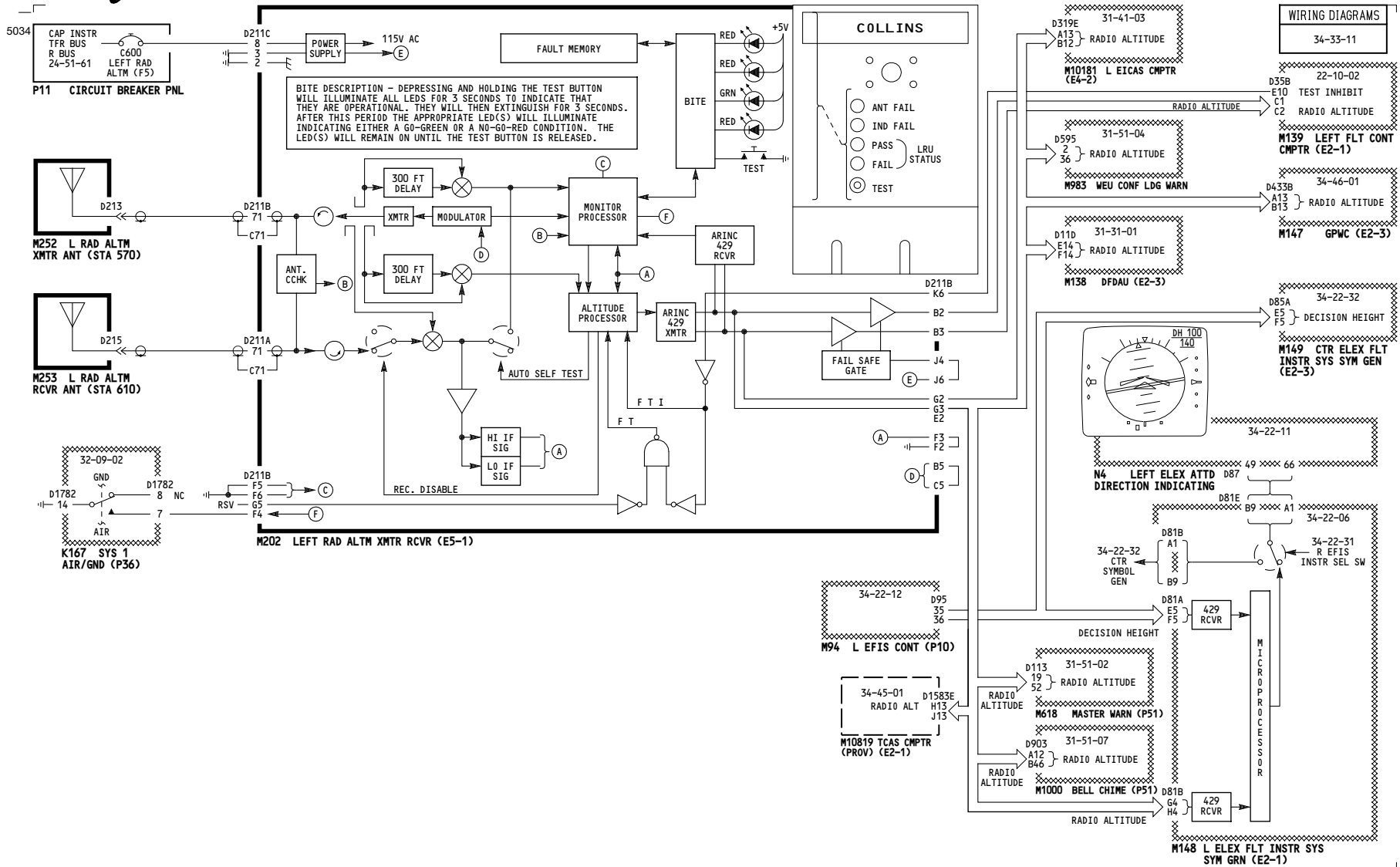
MARKER BEACON

D280N032S

34-32-01

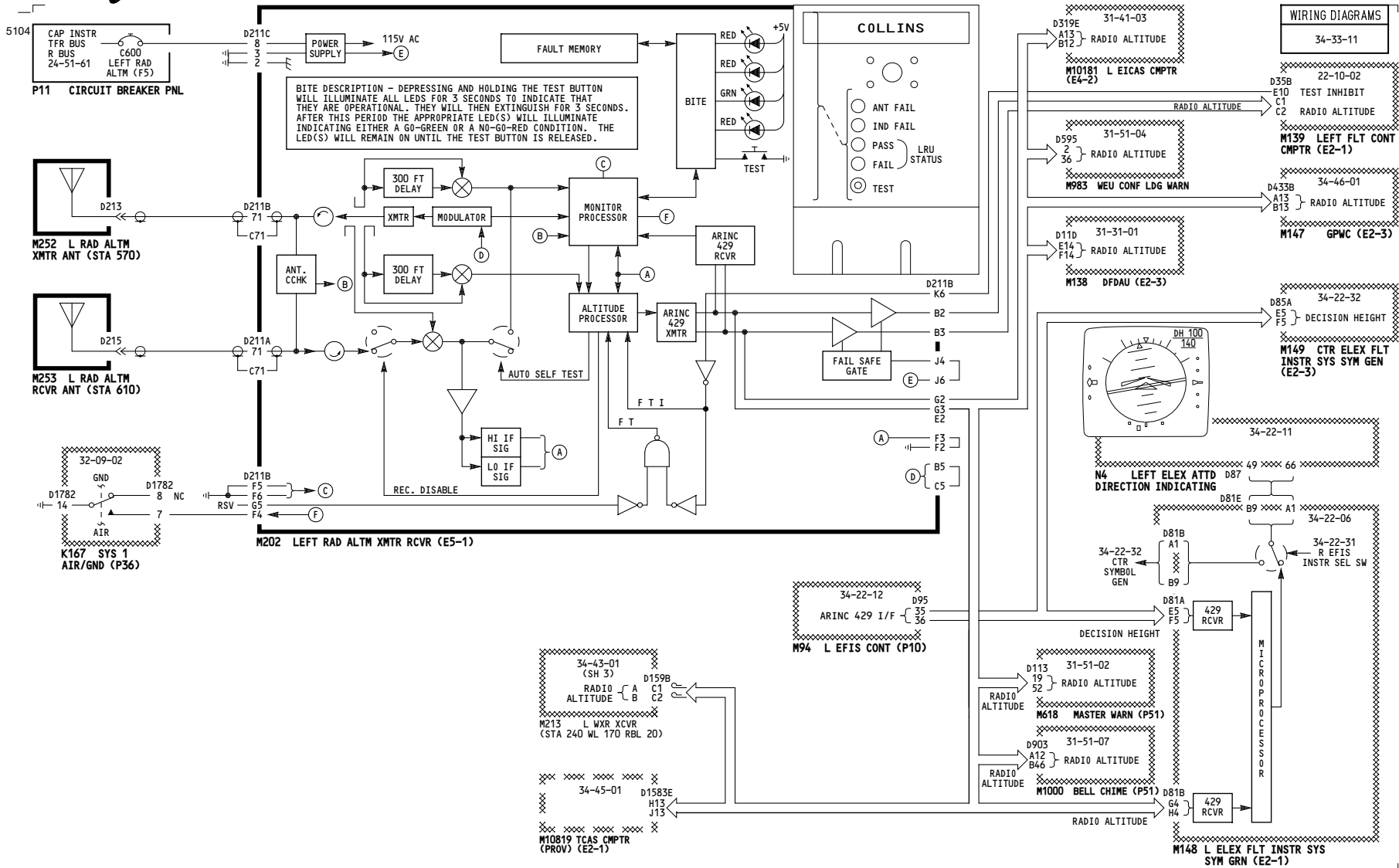
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| | |
|------------------|---|
| 001-008, 010-099 | <p>RADIO ALTIMETER - LEFT</p> <p>D280N032S</p> |
|------------------|---|

34-33-01



| | |
|-----|-------------------------------|
| 002 | RADIO ALTIMETER - LEFT |
| | D280N032S |

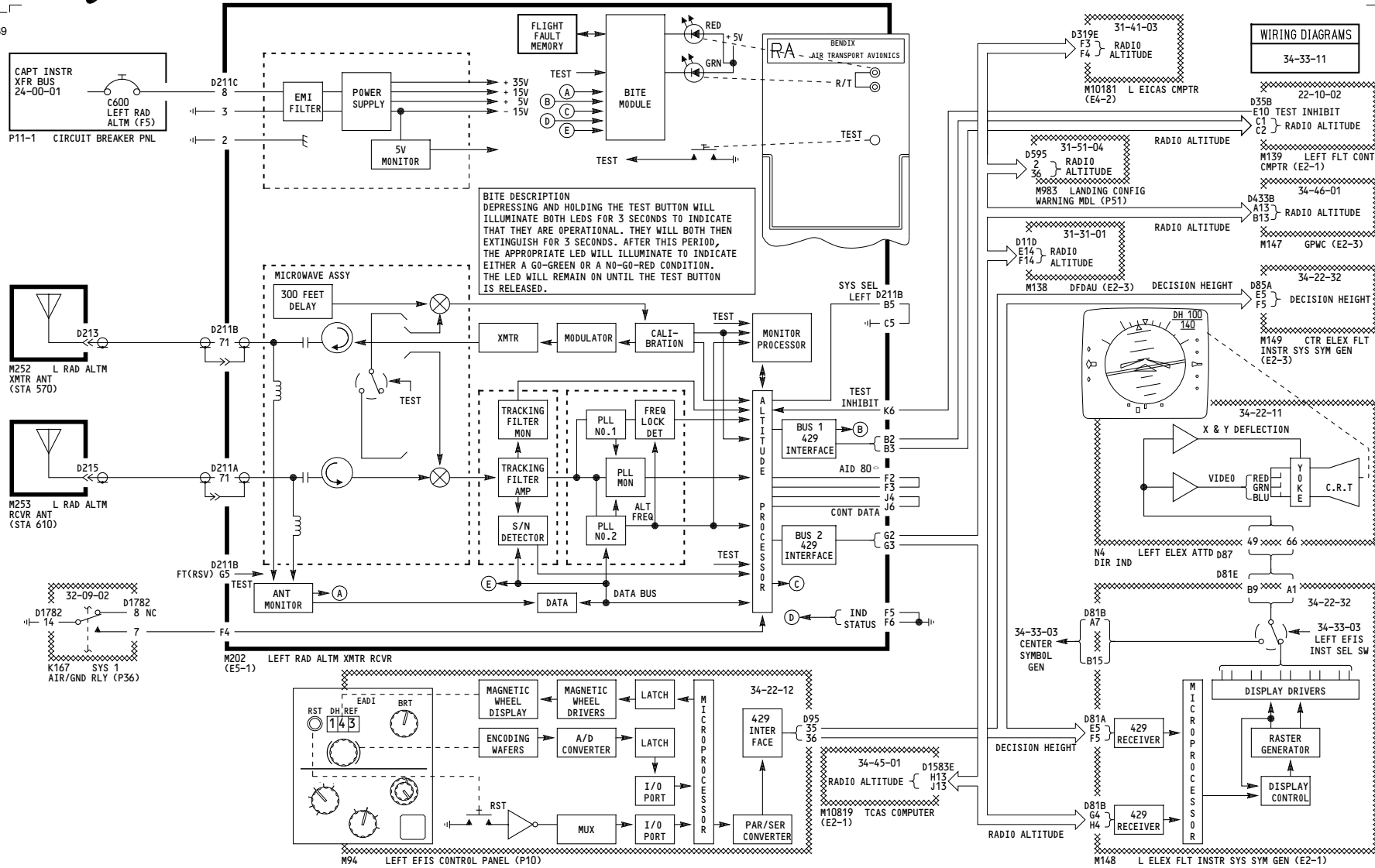
Incorporates
 34-0200

34-33-01

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Jan 21/2005

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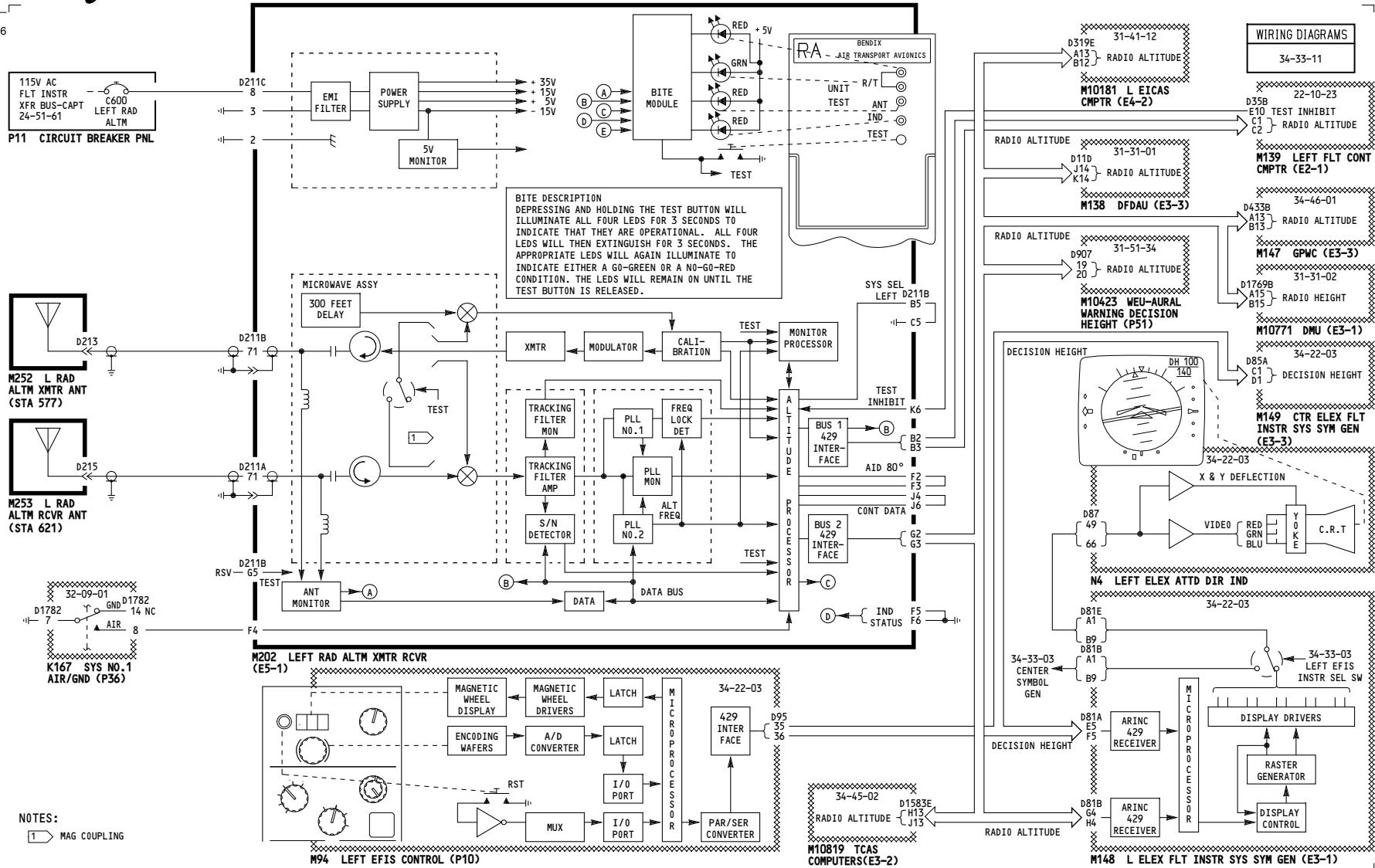
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RADIO ALTIMETER - LEFT

D280N032S

34-33-01

5026



115-199

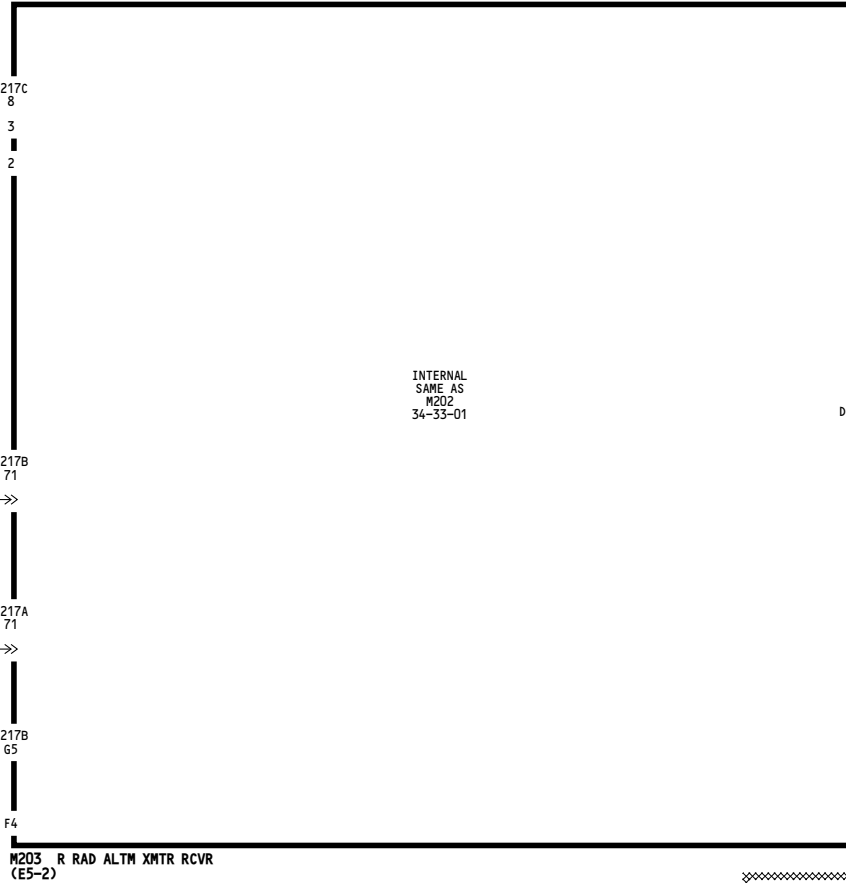
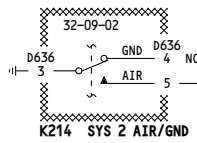
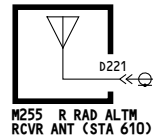
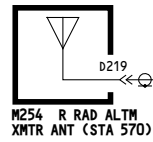
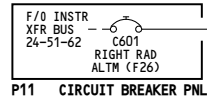
RADIO ALTIMETER - LEFT

D280N032S

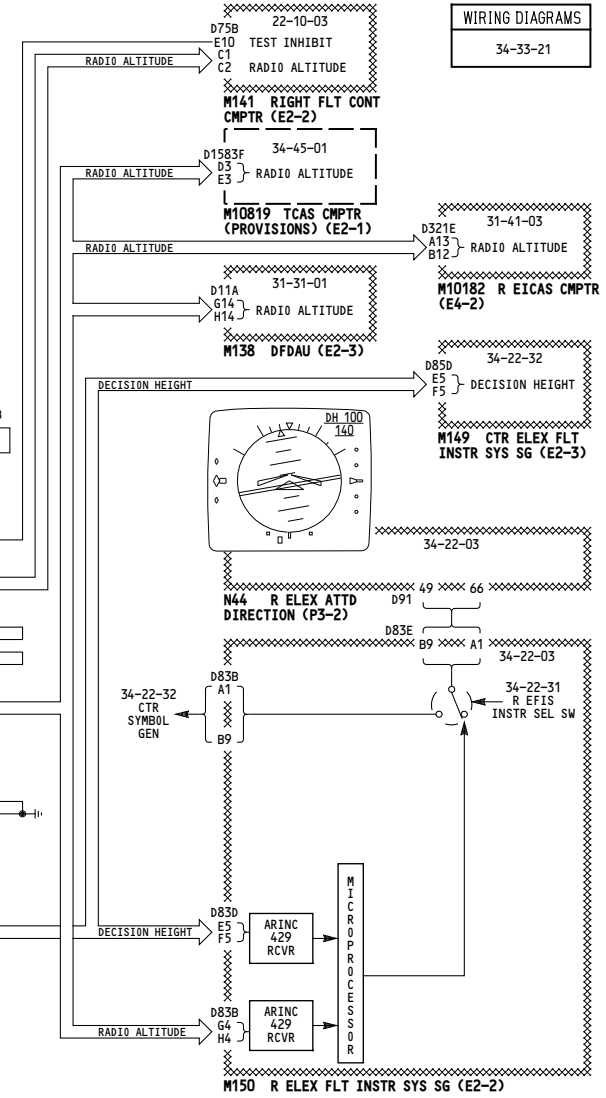
34-33-01

WIRING DIAGRAMS
34-33-21

5032



INTERNAL
SAME AS
M202
34-33-01



| | |
|------------------|--|
| 001-008, 010-099 | <p>RADIO ALTIMETER - RIGHT</p> <p>D280N032S</p> |
|------------------|--|

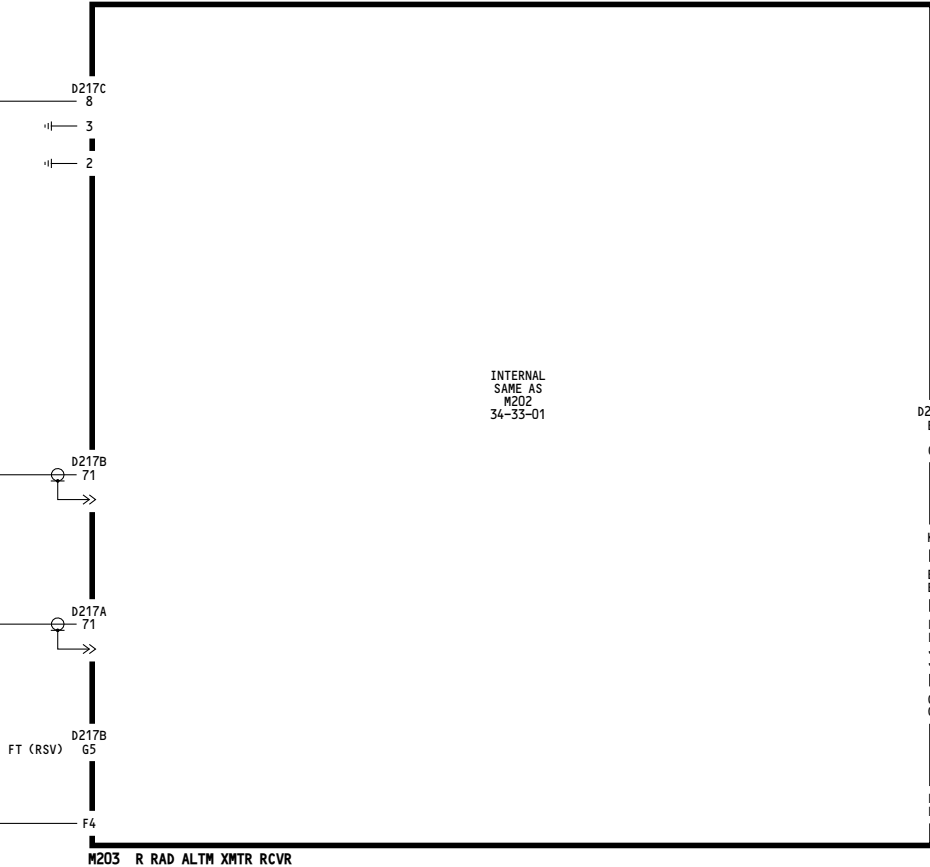
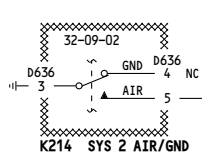
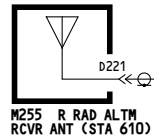
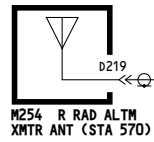
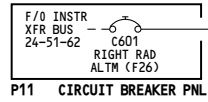
34-33-02

Page 101

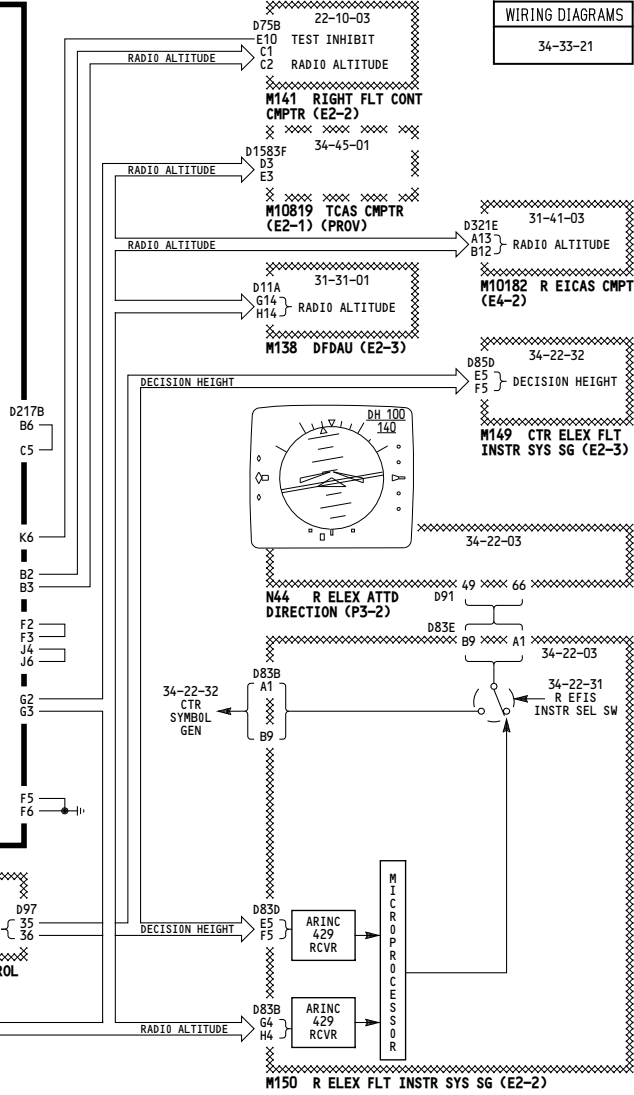
Jan 21/2005

WIRING DIAGRAMS
34-33-21

5105



INTERNAL
SAME AS
M202
34-33-01



002

RADIO ALTIMETER - RIGHT

Incorporates
34-0200

D280N032S

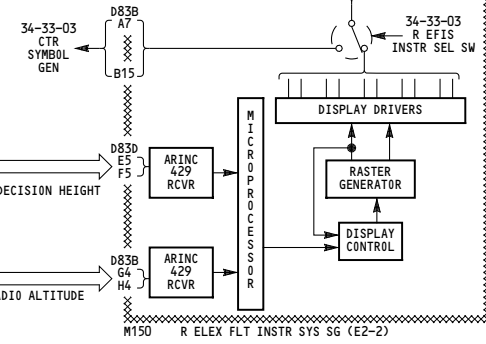
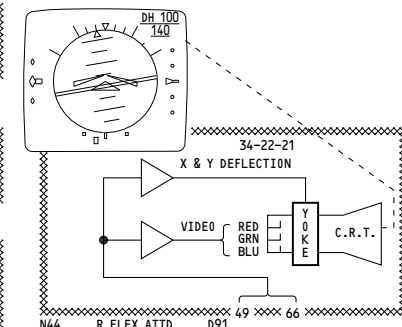
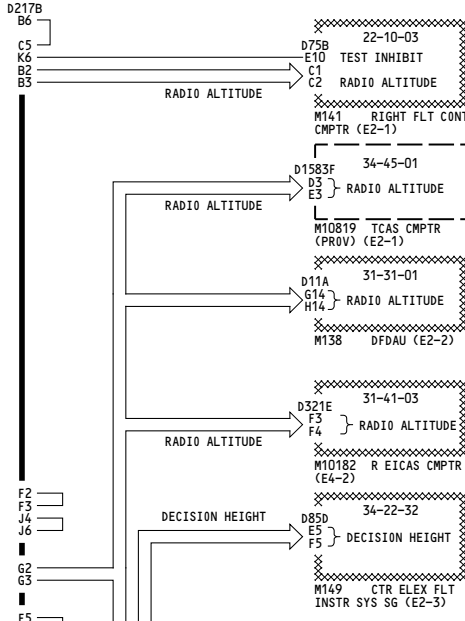
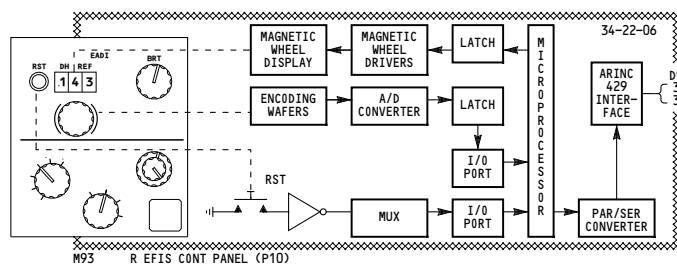
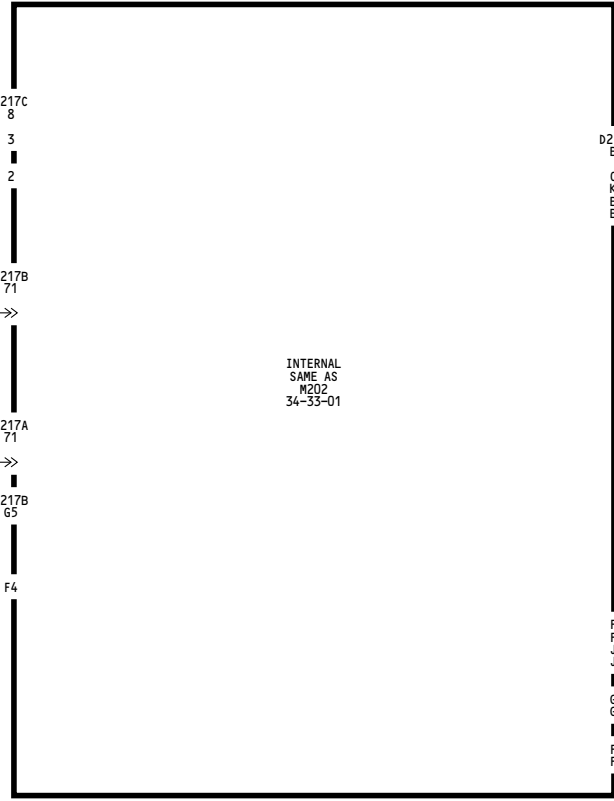
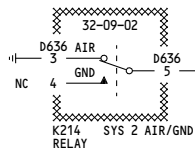
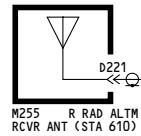
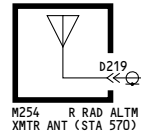
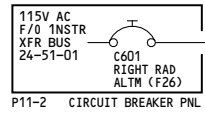
34-33-02

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WIRING DIAGRAMS
34-33-21

5031



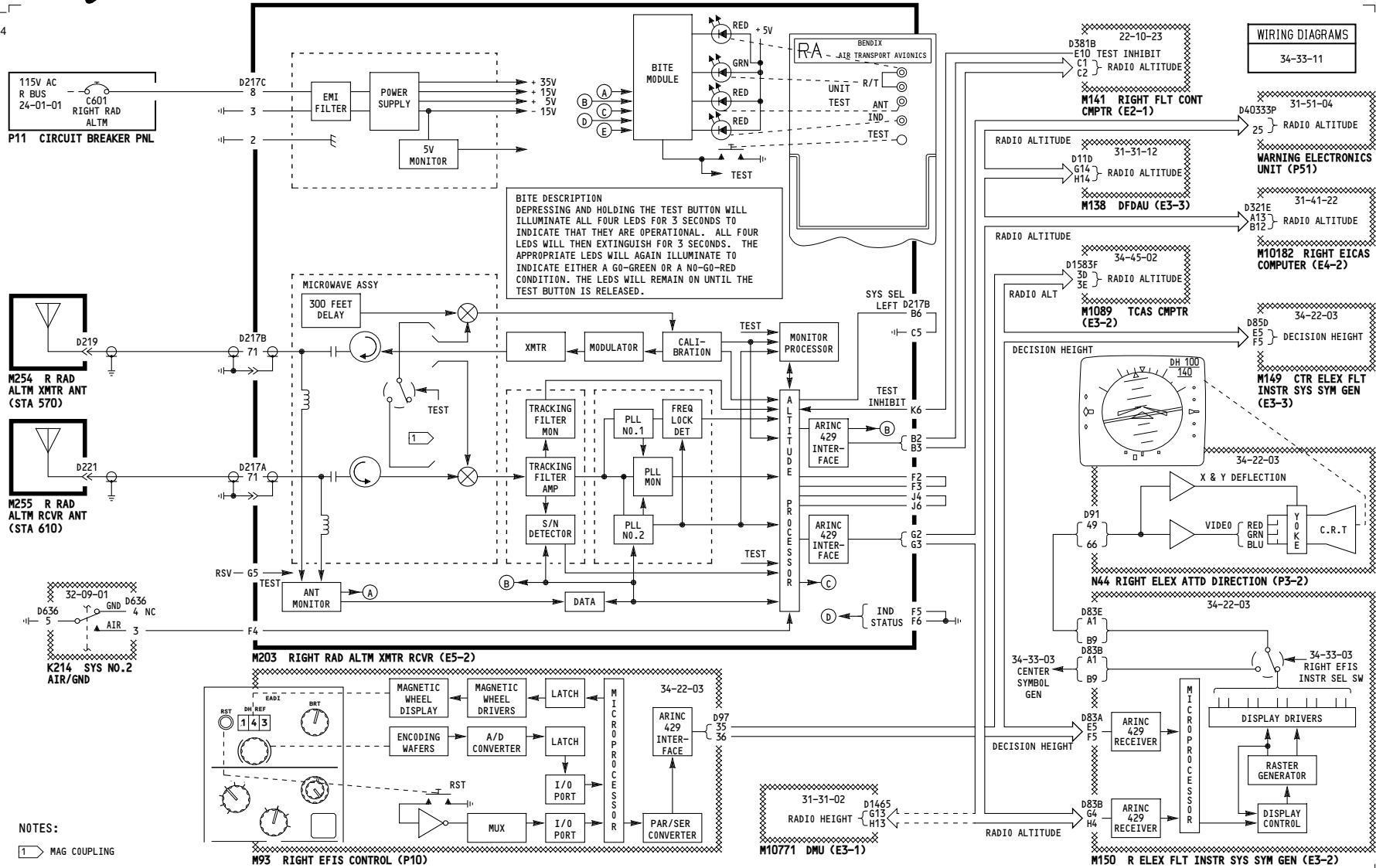
009

RADIO ALTIMETER - RIGHT

D280N032S

34-33-02

5024

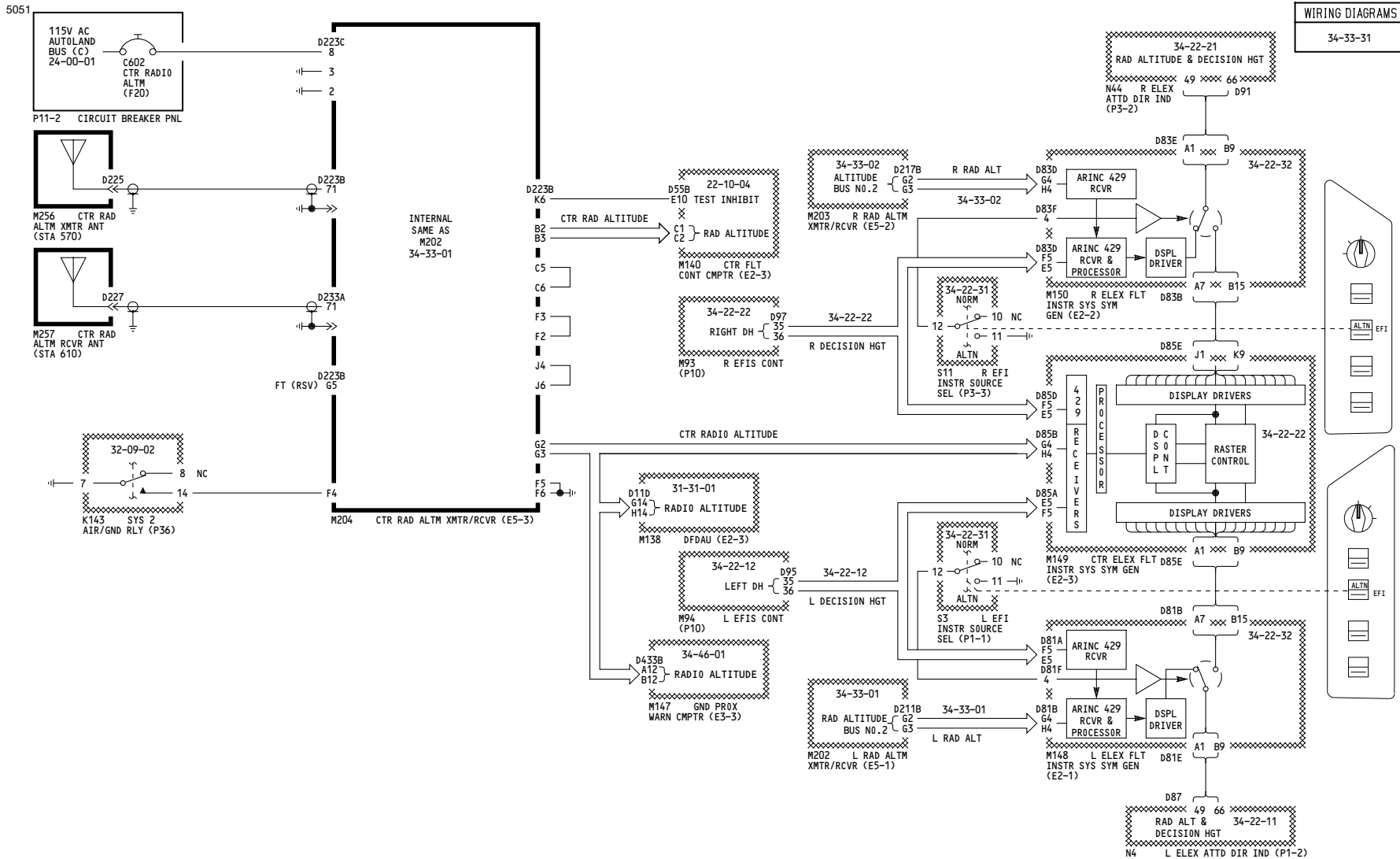


115-199

RADIO ALTIMETER - RIGHT

D280N032S

34-33-02



| | |
|-----|---------------------------------|
| 002 | RADIO ALTIMETER - CENTER |
| | Incorporates 34-0200 |
| | D280N032S |

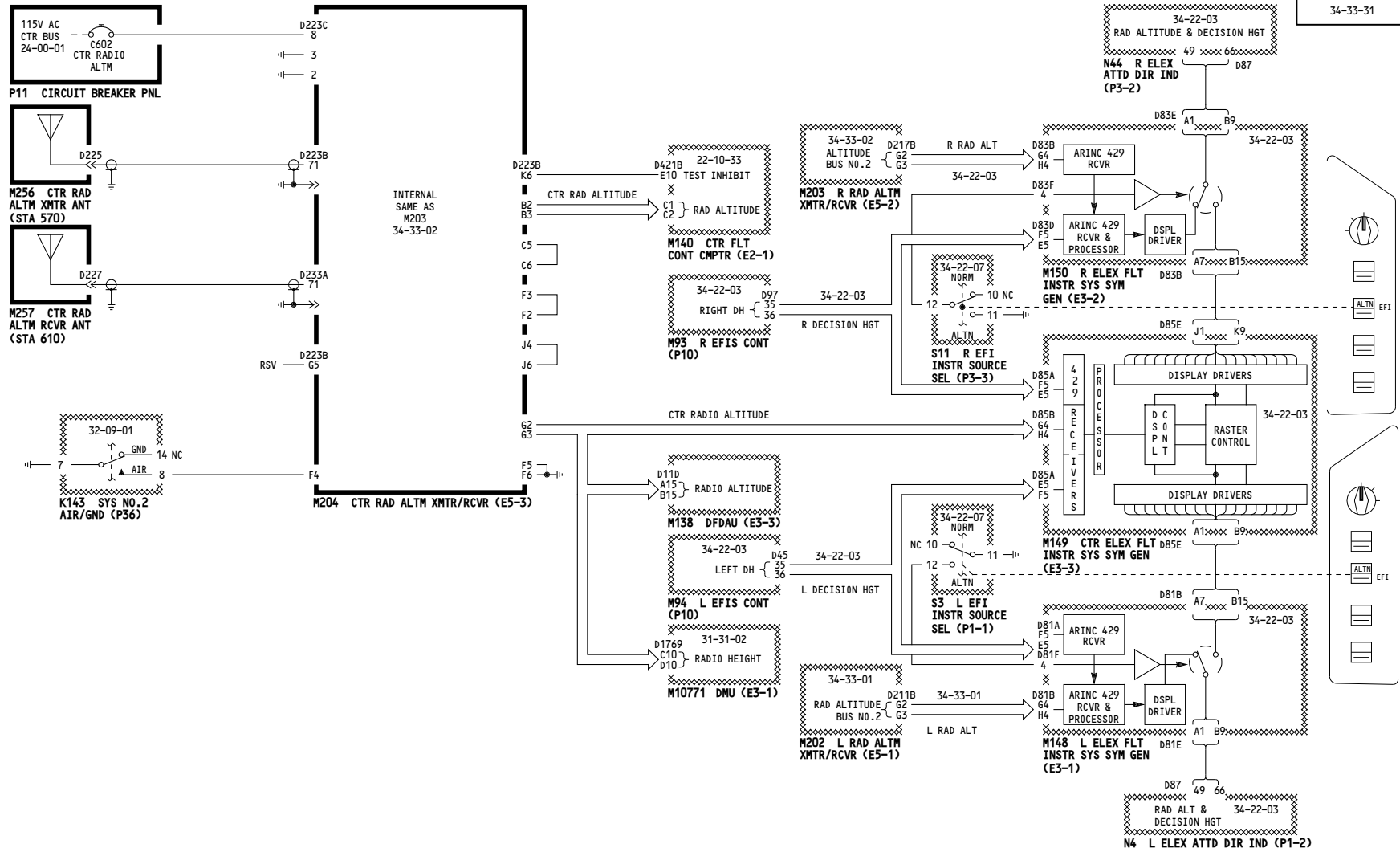
34-33-03

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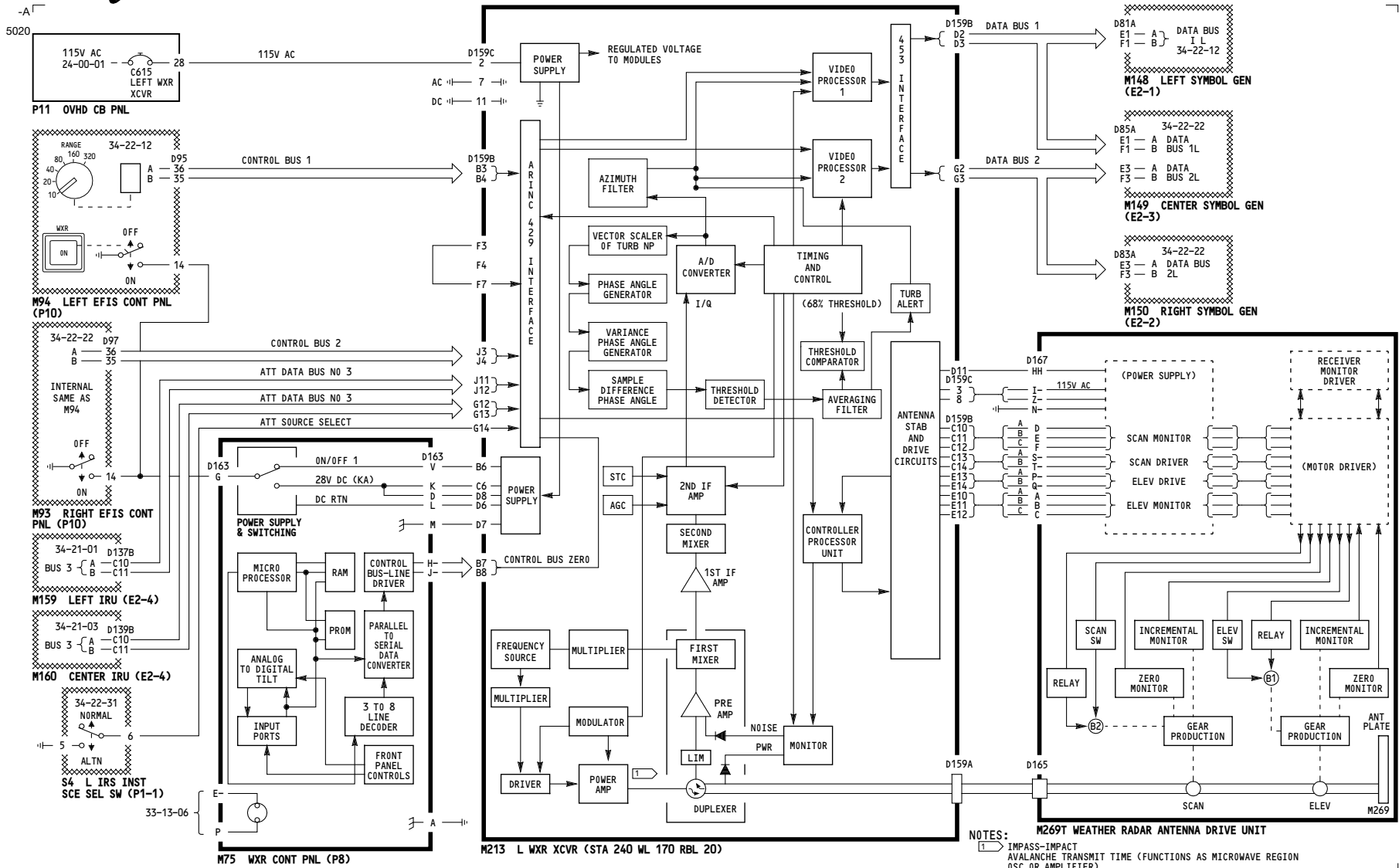
5011

WIRING DIAGRAMS
34-33-31



| | |
|----------------|---|
| <p>115-199</p> | <p>RADIO ALTIMETER - CENTER</p> <p>D280N032S</p> |
|----------------|---|

34-33-03



001-008, 010-099

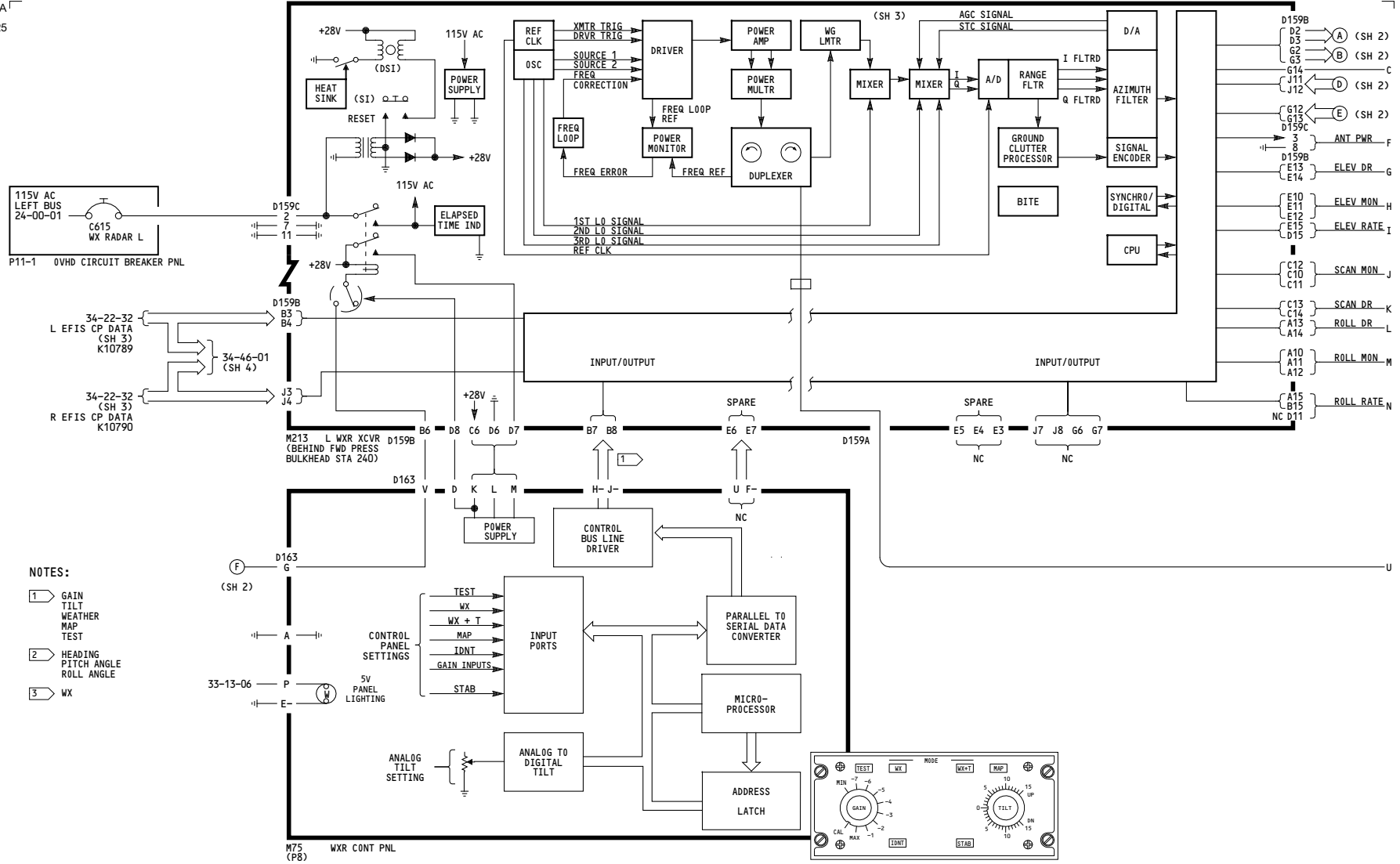
WEATHER RADAR

D280N032S

NOTES:
 ① IMPASS-IMPACT
 AVALANCHE TRANSMIT TIME (FUNCTIONS AS MICROWAVE REGION
 OSC OR AMPLIFIER)

34-43-01

-A-
5125



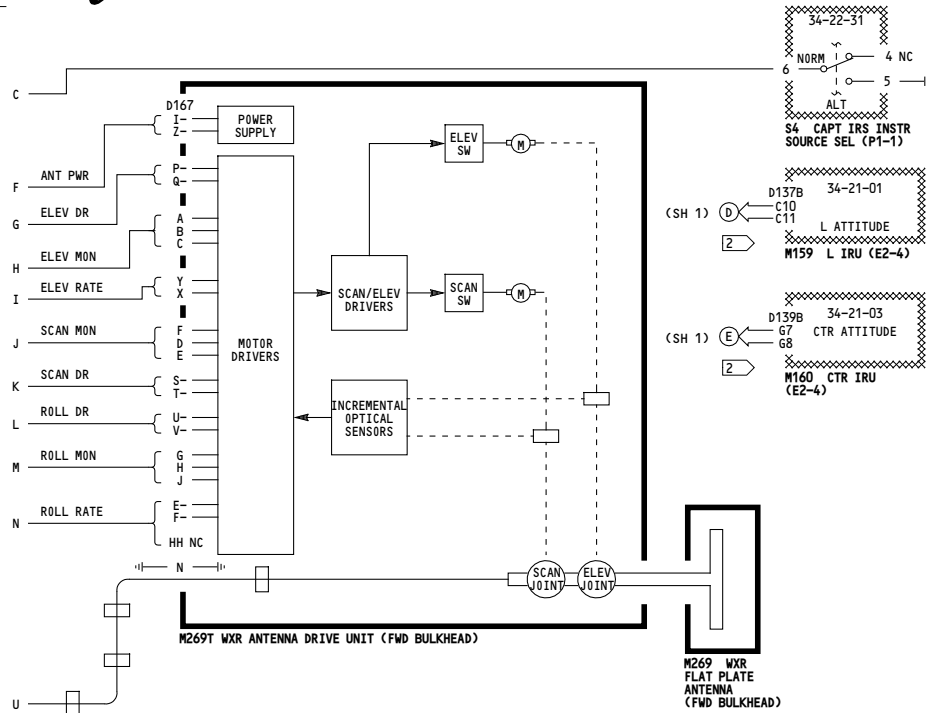
- NOTES:**
- 1 GAIN
TILT
WEATHER
MAP
TEST
 - 2 HEADING
PITCH ANGLE
ROLL ANGLE
 - 3 WX

| | | |
|------------------|----------------------|-------------------------|
| 002 | WEATHER RADAR | Incorporates 34-0200 |
| D280N032S | | |

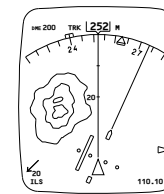
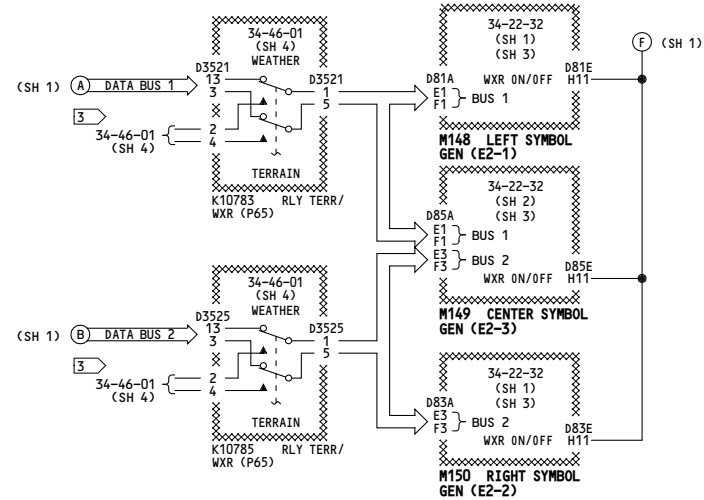
34-43-01

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| WIRING DIAGRAMS | |
|-----------------|--|
| 34-43-11 | |
| 34-43-12 | |
| 34-43-14 | |
| 34-43-15 | |

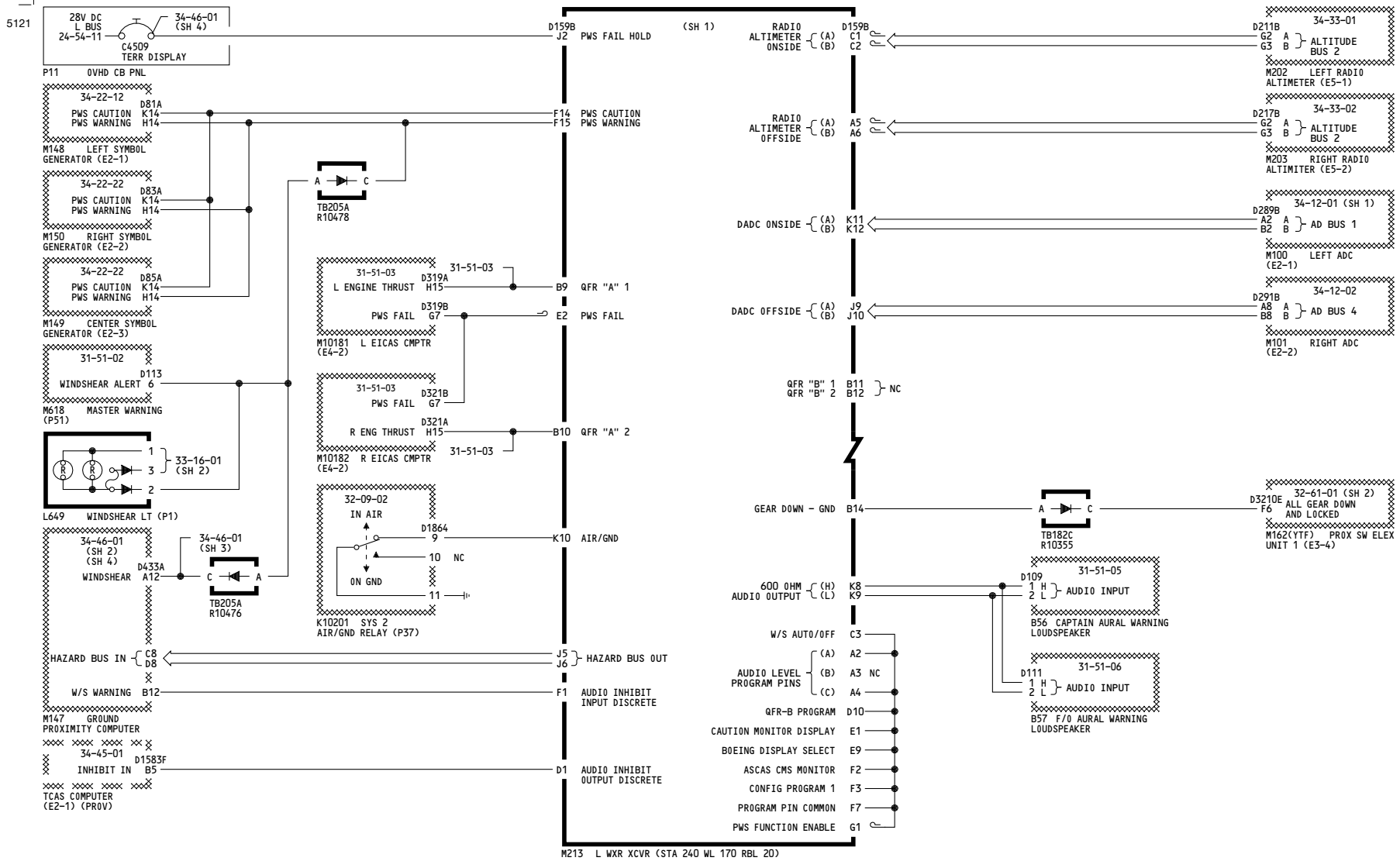


TYP DISPLAY

| | | |
|-----|----------------------|-------------------------|
| 002 | WEATHER RADAR | Incorporates 34-0200 |
| | D280N032S | |

34-43-01

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Sheet 2
Dec 18/2007



002

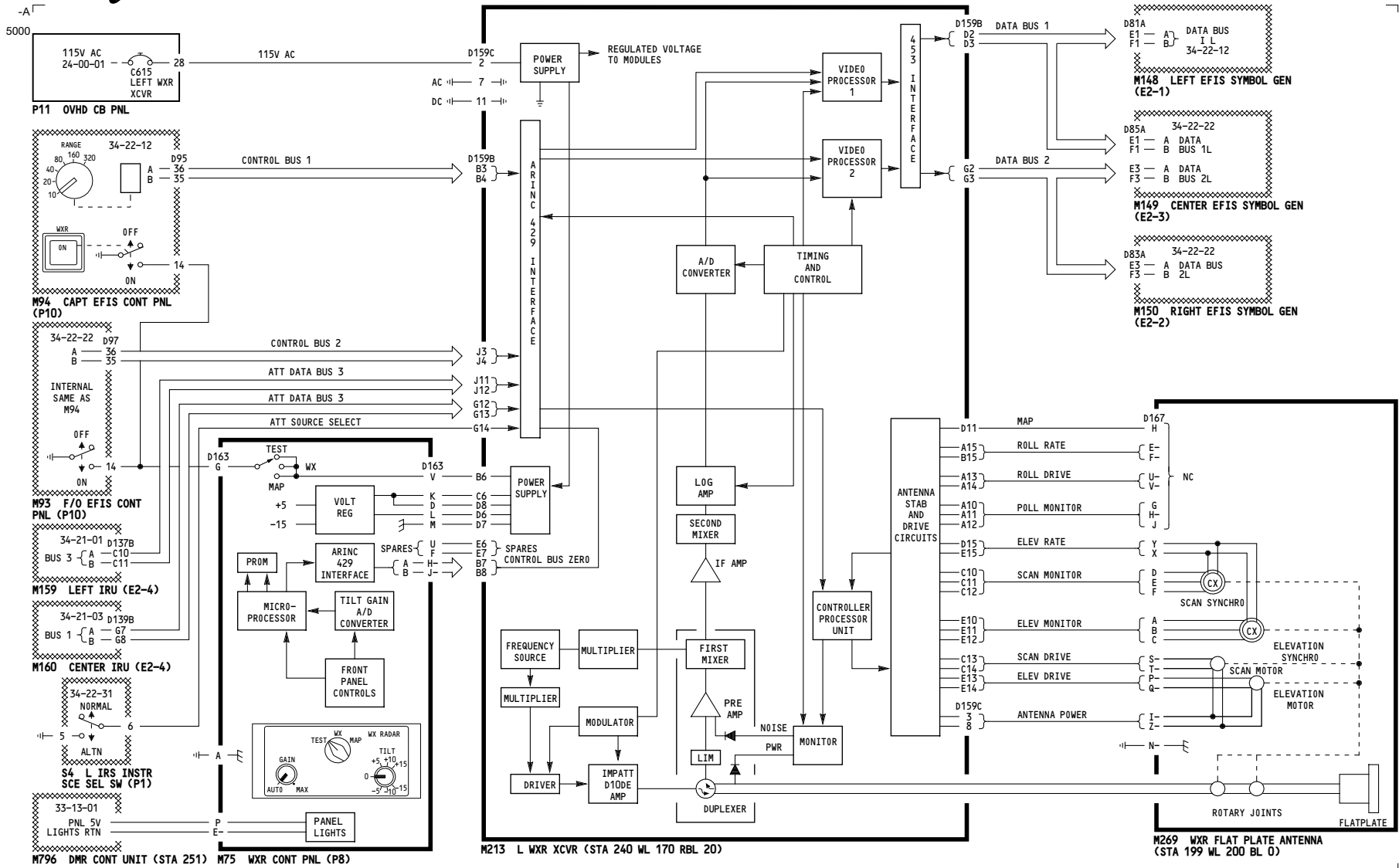
WEATHER RADAR

D280N032S

Incorporates
 34-0200

34-43-01

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 Sheet 3
 Jan 21/2005

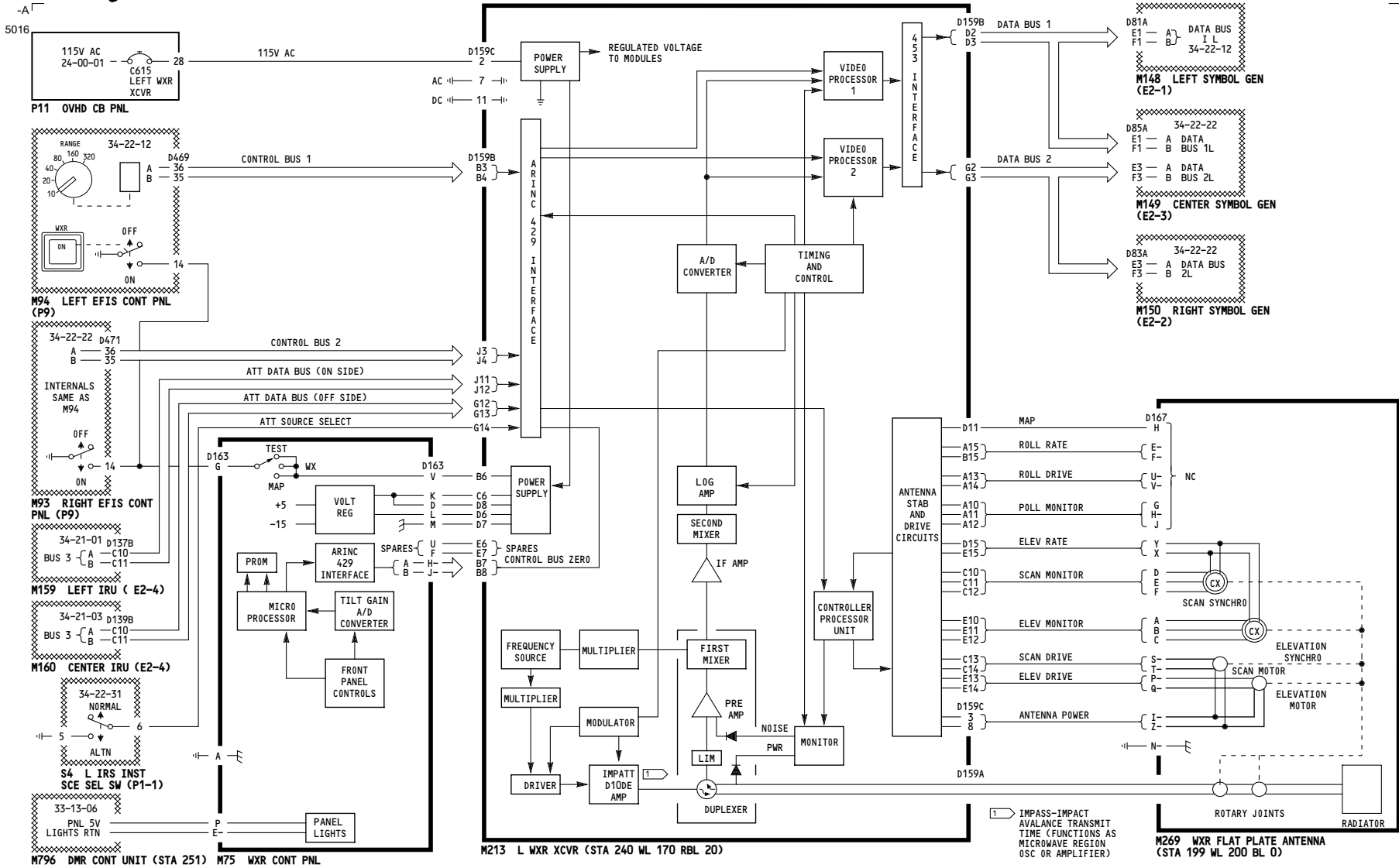


009

WEATHER RADAR

D280N032S

34-43-01

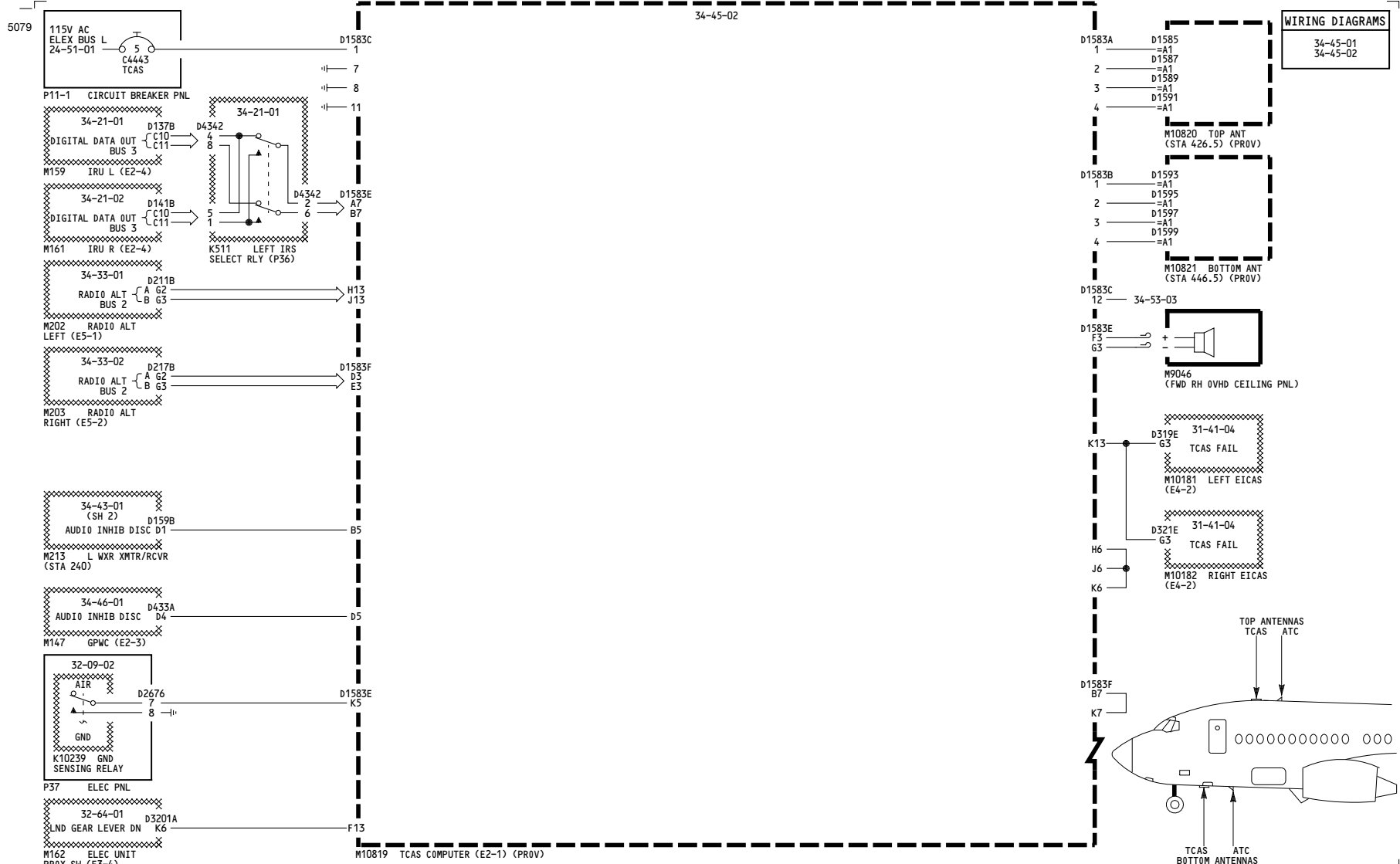


115-199

WEATHER RADAR

D280N032S

34-43-01



WIRING DIAGRAMS
34-45-01
34-45-02

002

**TRAFFIC ALERT AND COLL
AVD SYSTEM (TCAS) POWER,
INPUT, OUTPUT**

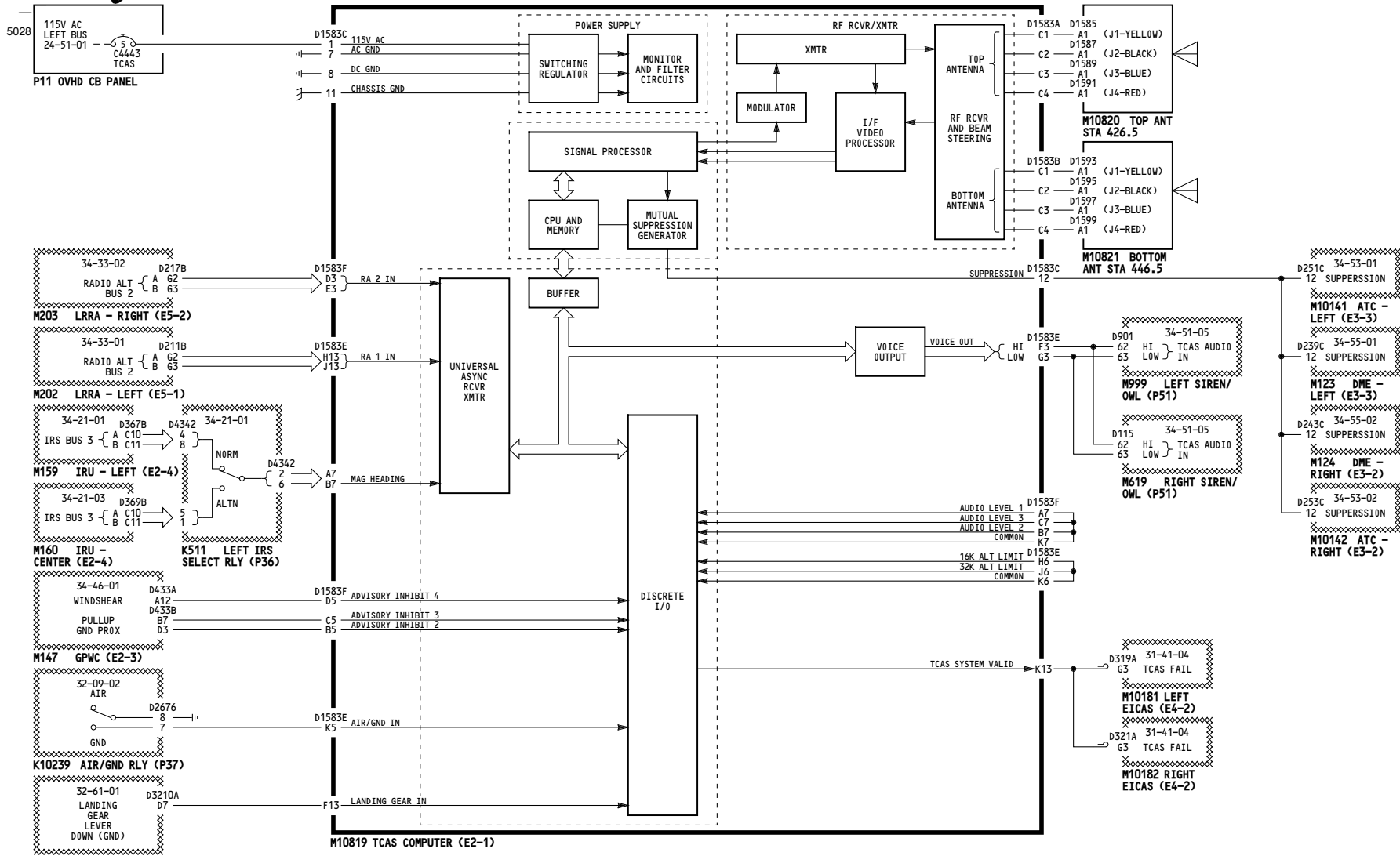
D280N032S

Incorporates
34-0200

34-45-01

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009-011

**TRAFFIC ALERT AND COLL
AVD SYSTEM (TCAS) POWER,
INPUT, OUTPUT**

Incorporates
34-0097

D280N032S

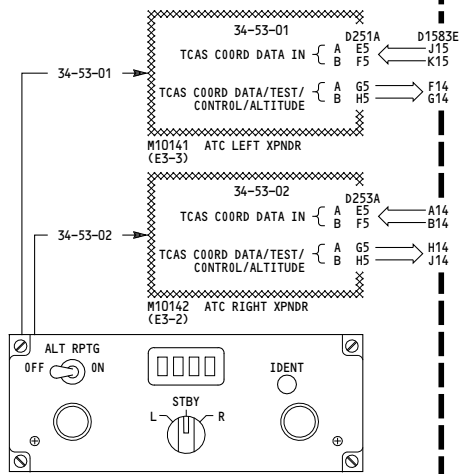
34-45-01

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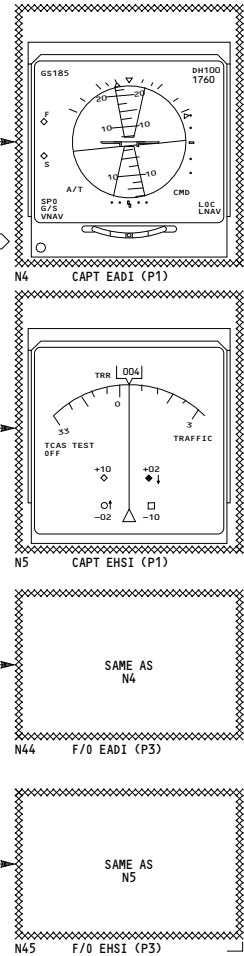
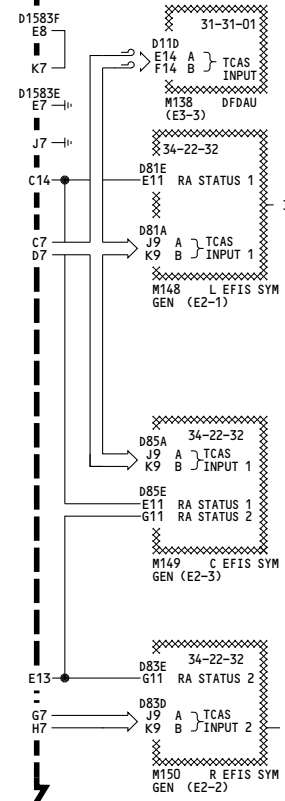
Jan 21/2005

5064

WIRING DIAGRAMS
34-45-01
34-45-02



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



002

TRAFFIC ALERT AND COLL AVD SYSTEM (TCAS) CONTROL AND DISPLAY

D280N032S

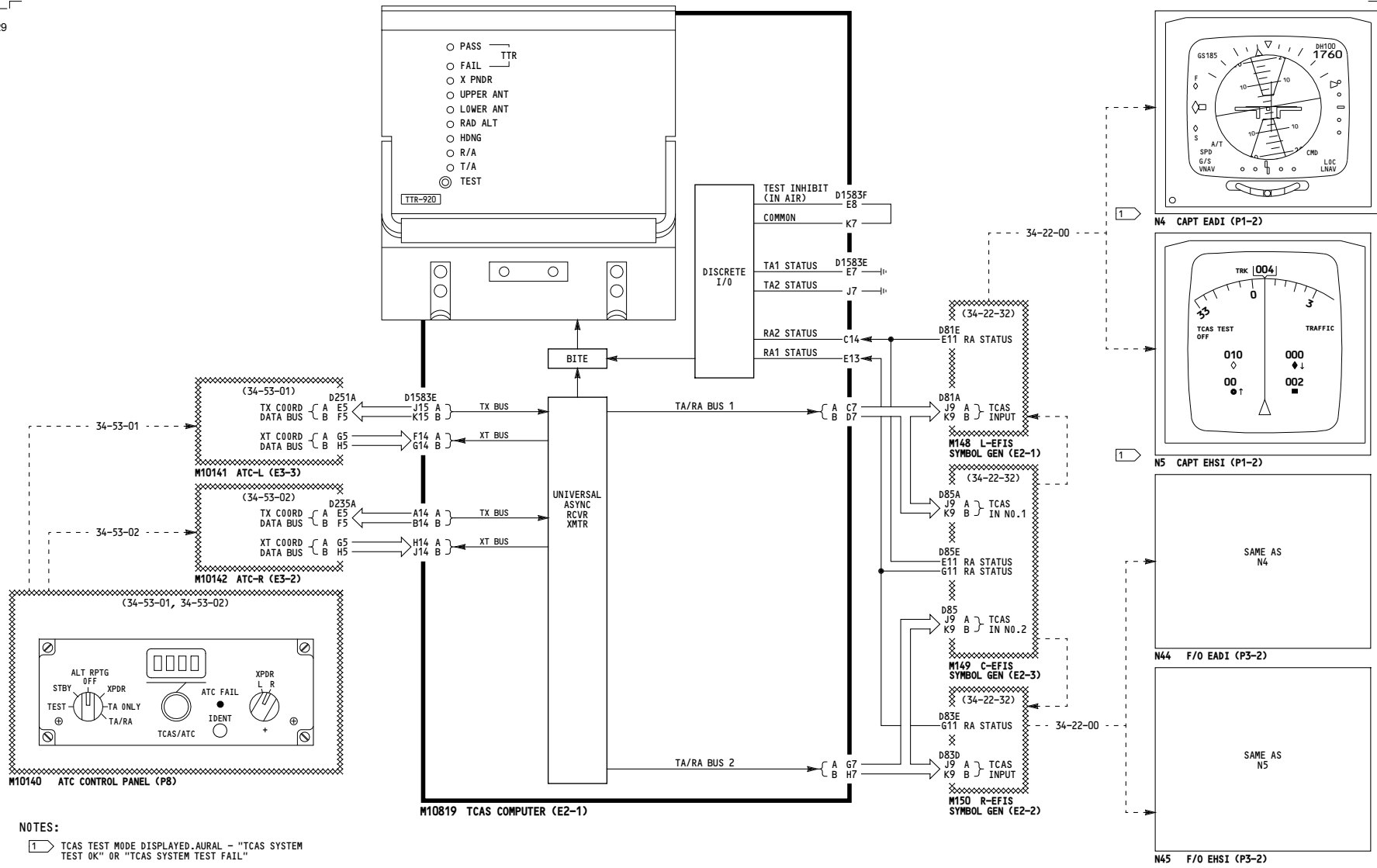
Incorporates 34-0200

34-45-02

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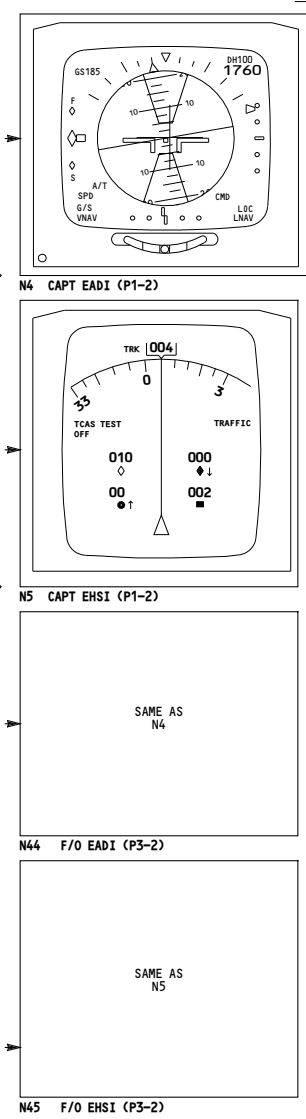
NOTES:
 1 TCAS TEST MODE DISPLAYED. AURAL - "TCAS SYSTEM TEST OK" OR "TCAS SYSTEM TEST FAIL"

009-011

TRAFFIC ALERT AND COLL AVD SYSTEM (TCAS) CONTROL AND DISPLAY

D280N032S

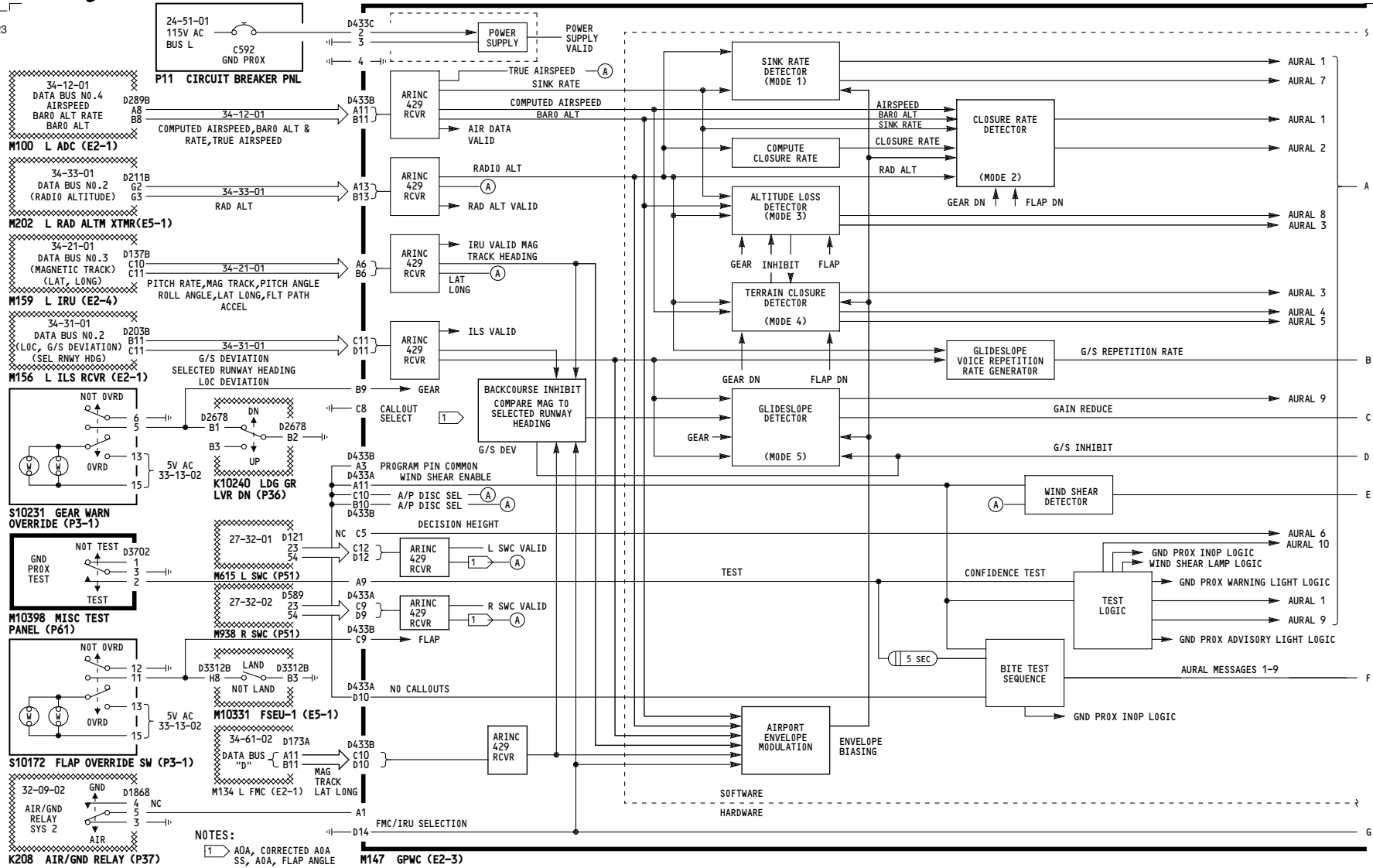
Incorporates 34-0097



34-45-02

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5023

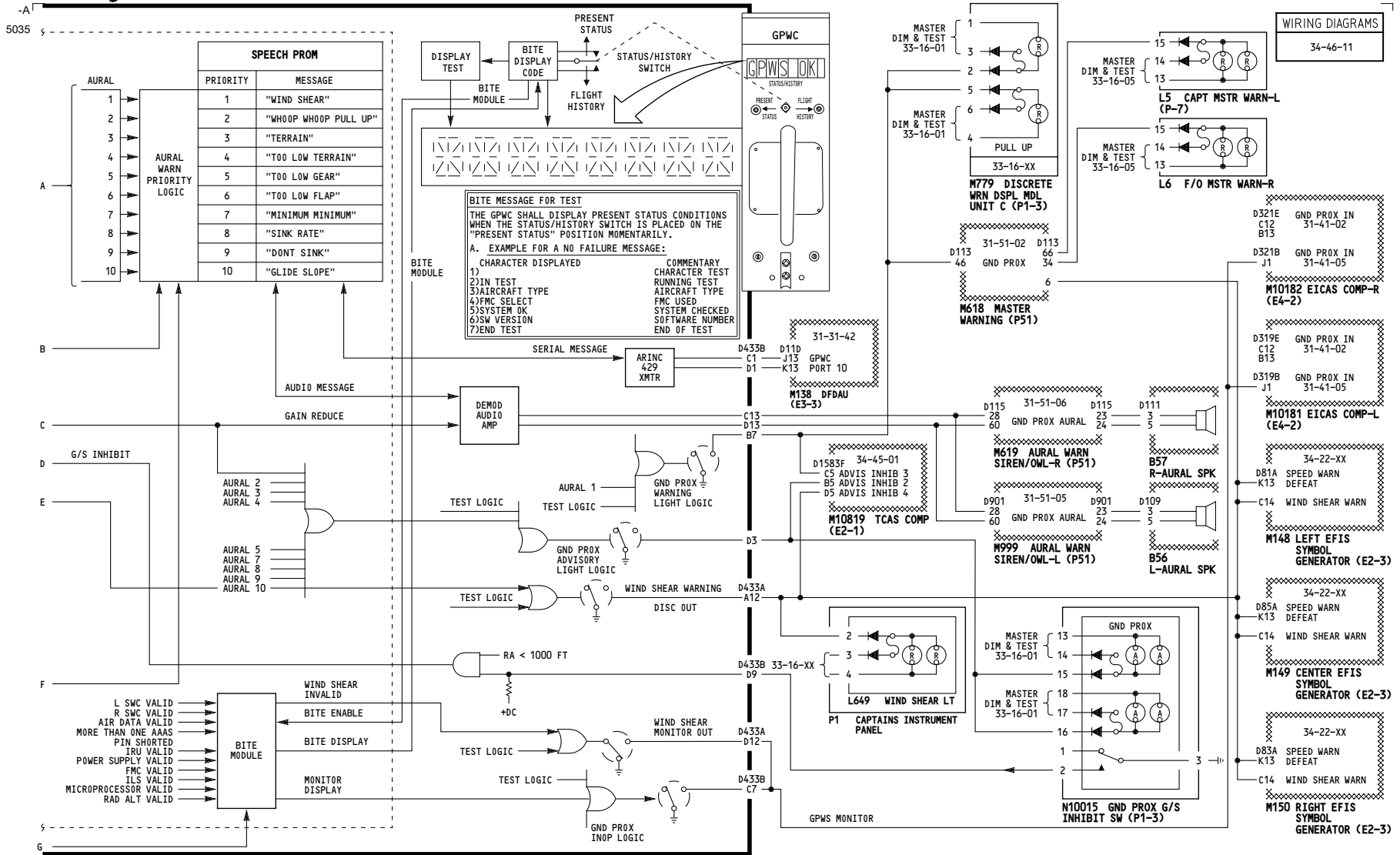


001-008, 010-099

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01

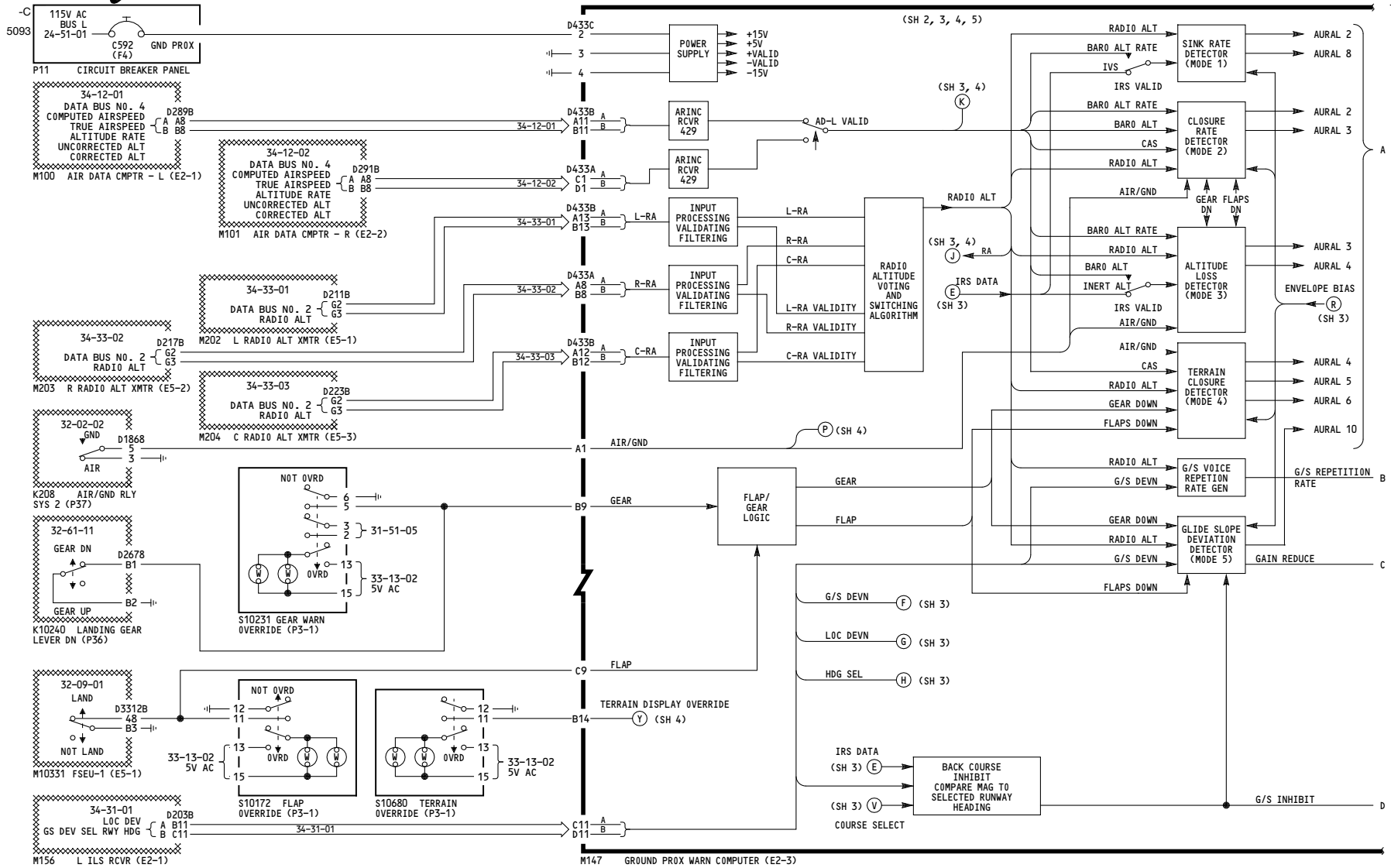


001-008, 010-099

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01



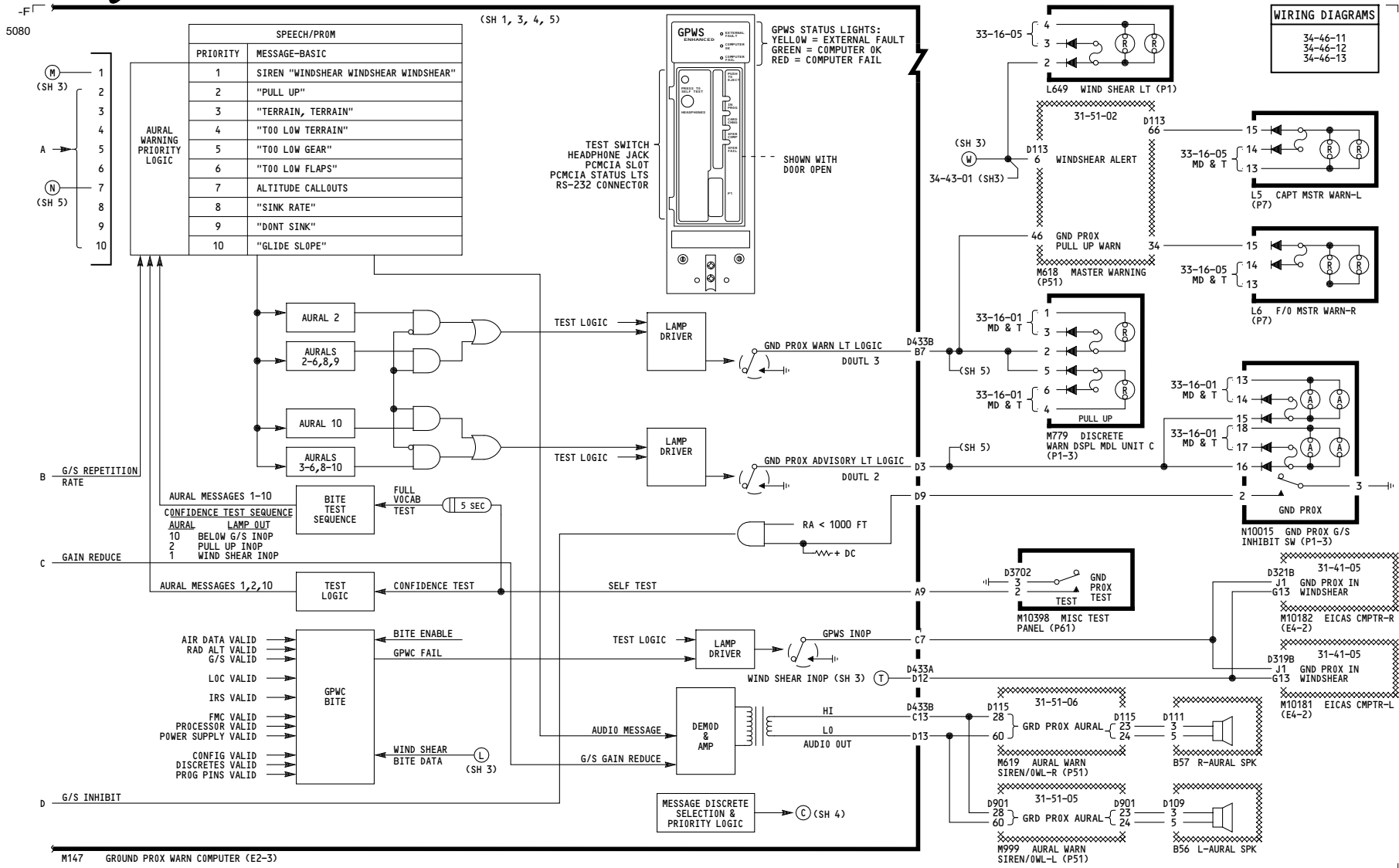
002

GROUND PROXIMITY WARNING SYSTEM

D280N032S

Incorporates
 34-0200

34-46-01



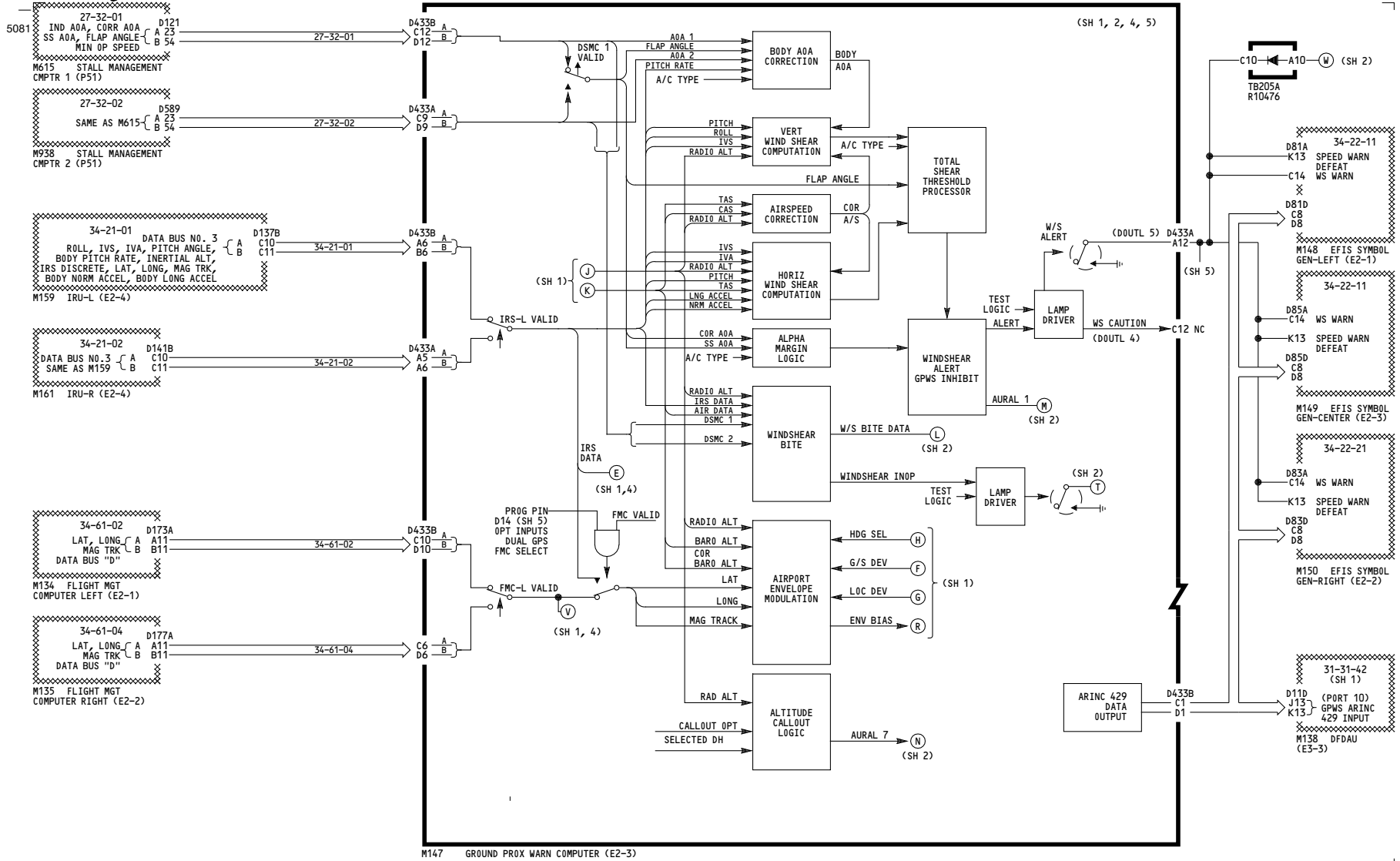
002

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01

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 Sheet 2
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M147 GROUND PROX WARN COMPUTER (E2-3)

002

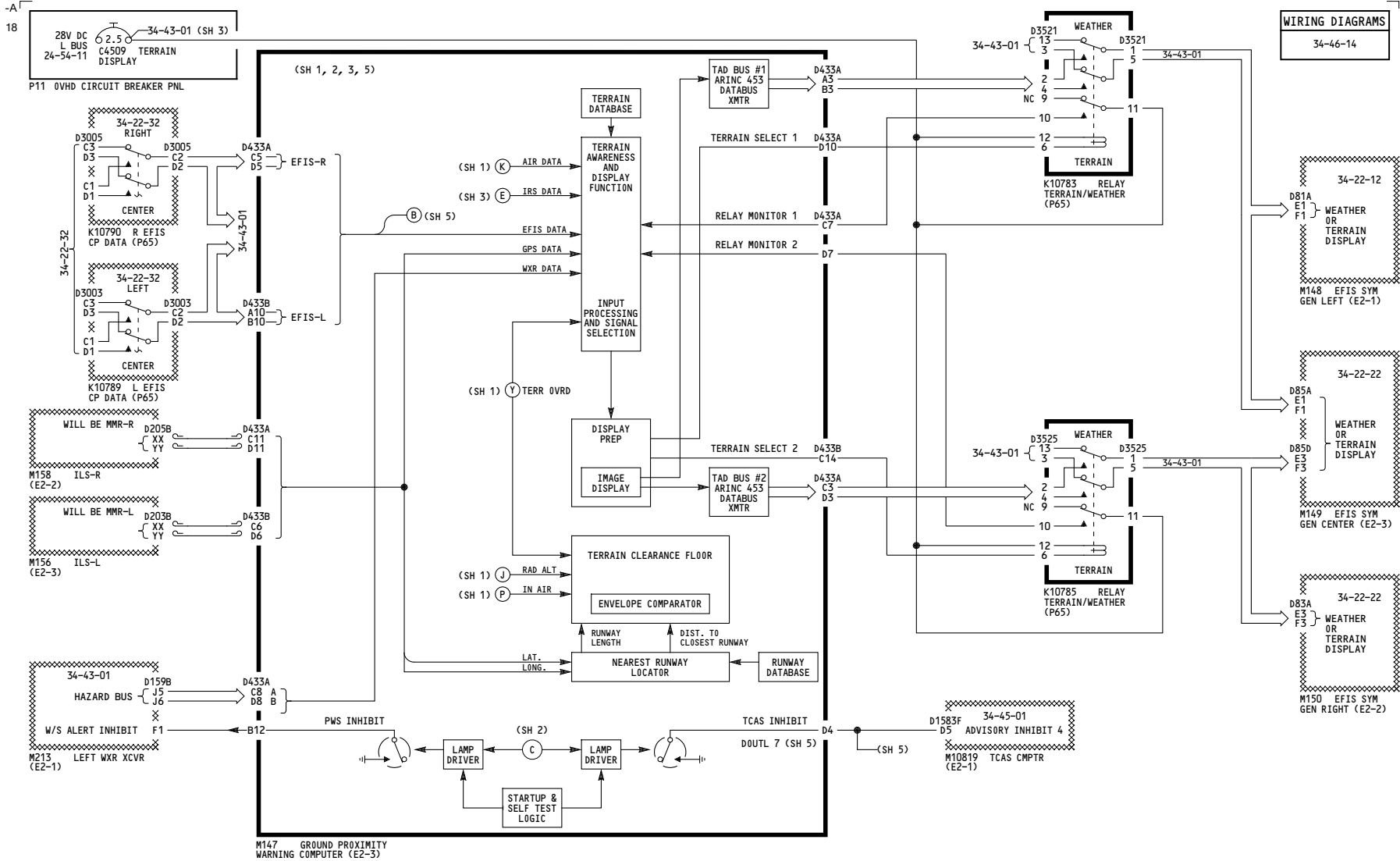
GROUND PROXIMITY WARNING SYSTEM

Incorporates 34-0200

D280N032S

34-46-01

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002

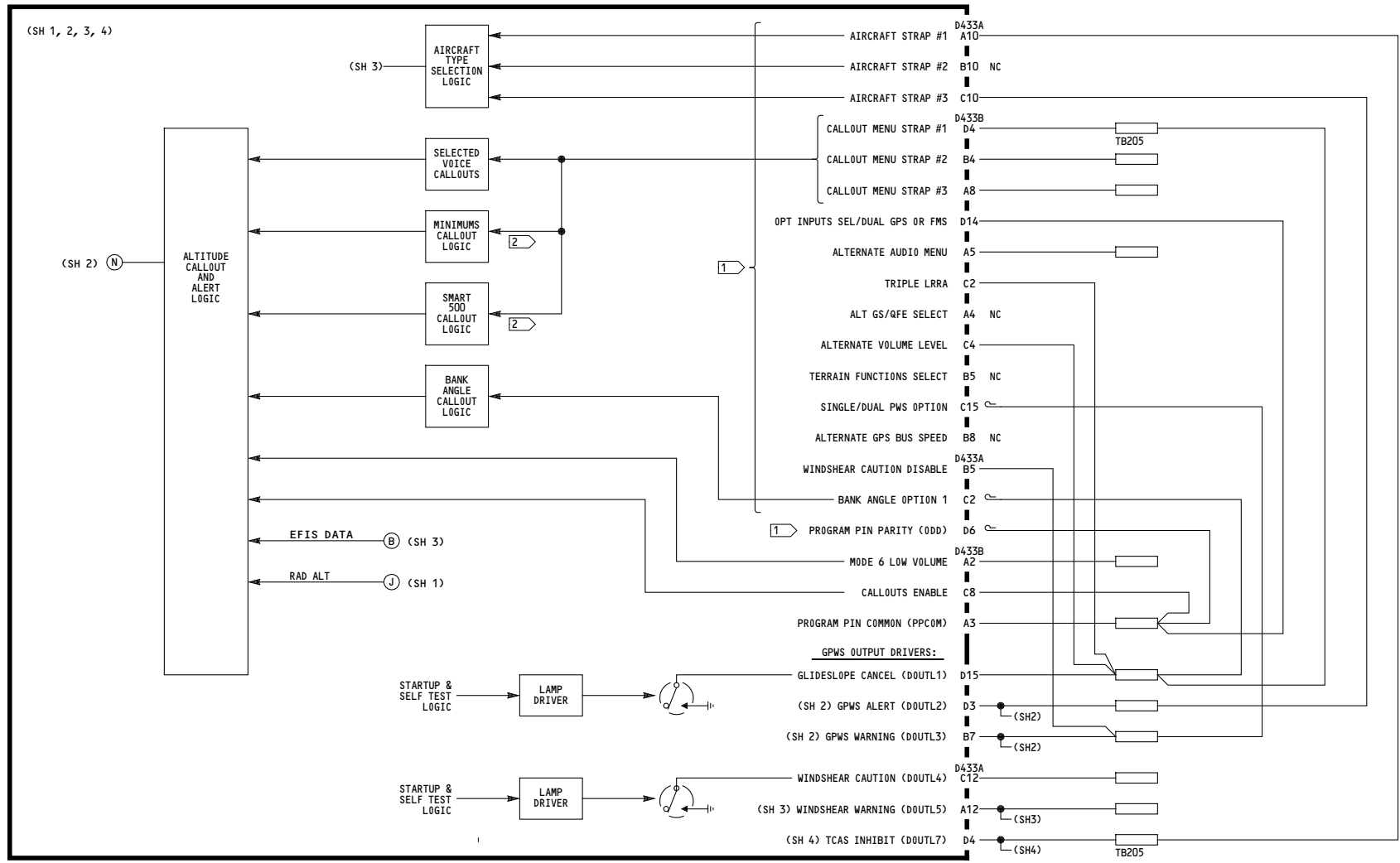
GROUND PROXIMITY WARNING SYSTEM

D280N032S

Incorporates 34-0200

34-46-01

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H147 GROUND PROX WARN COMPUTER (E2-3)

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.

002

GROUND PROXIMITY WARNING SYSTEM

Incorporates 34-0200

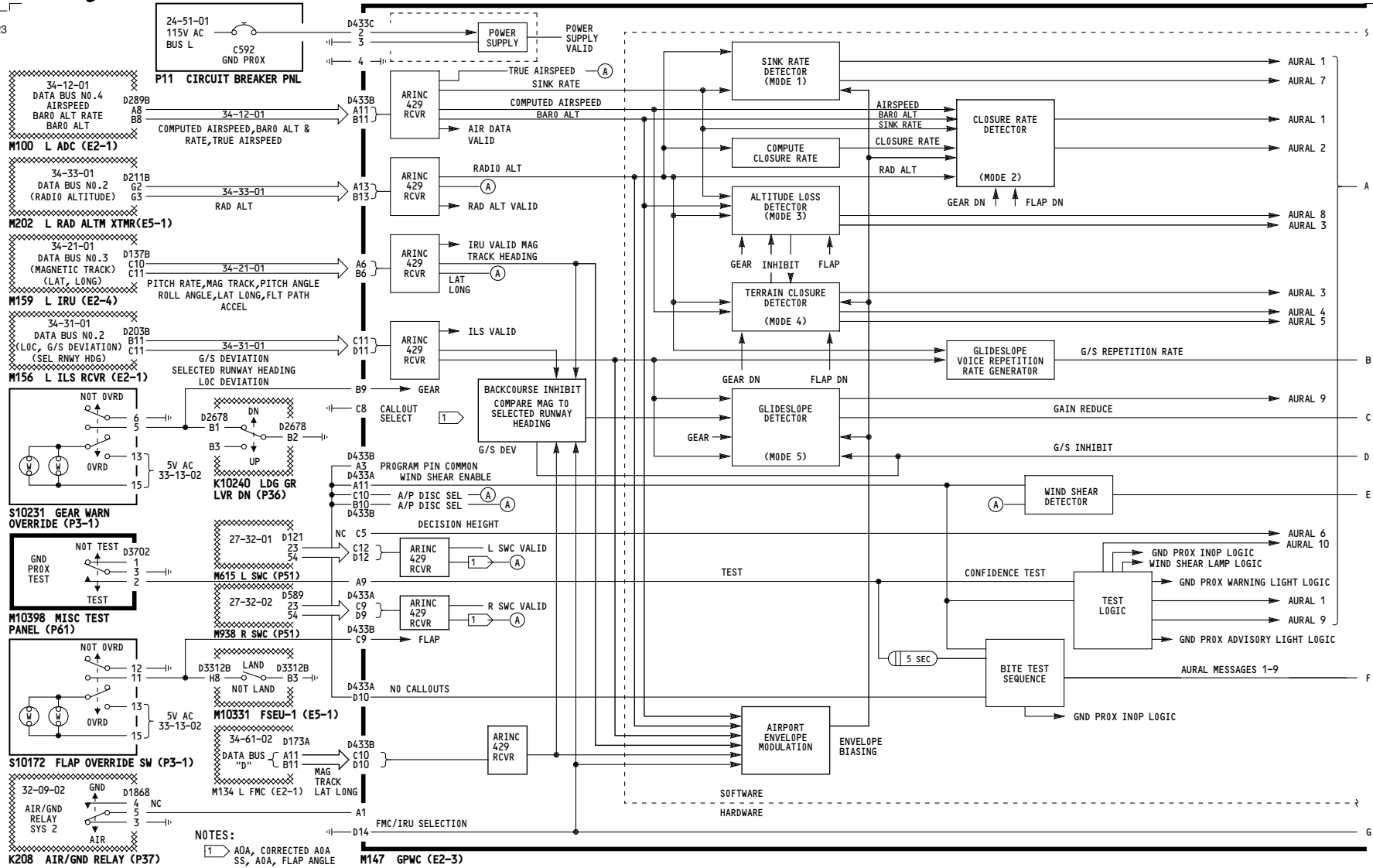
D280N032S

34-46-01

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Jan 21/2005

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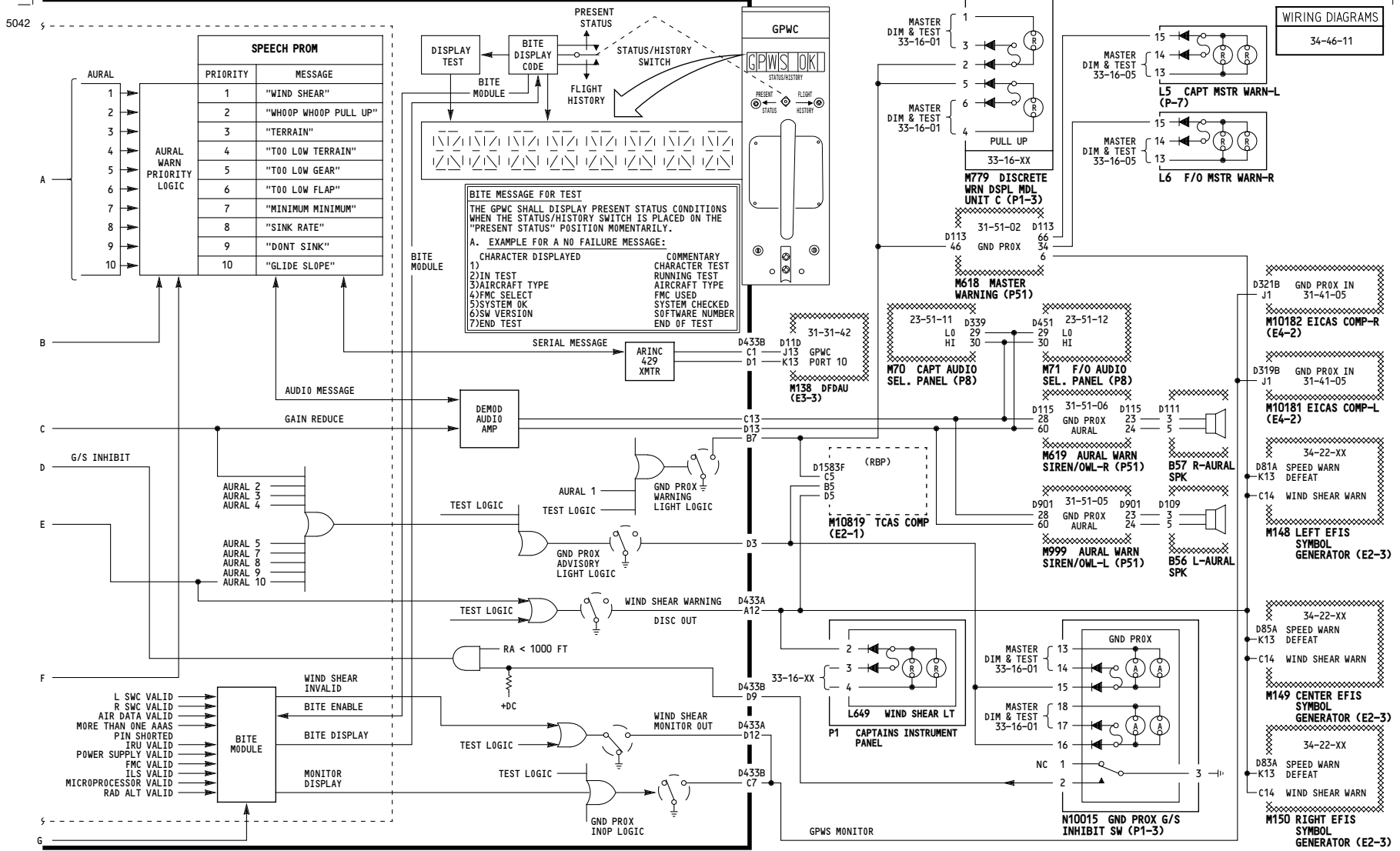


009

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01



009

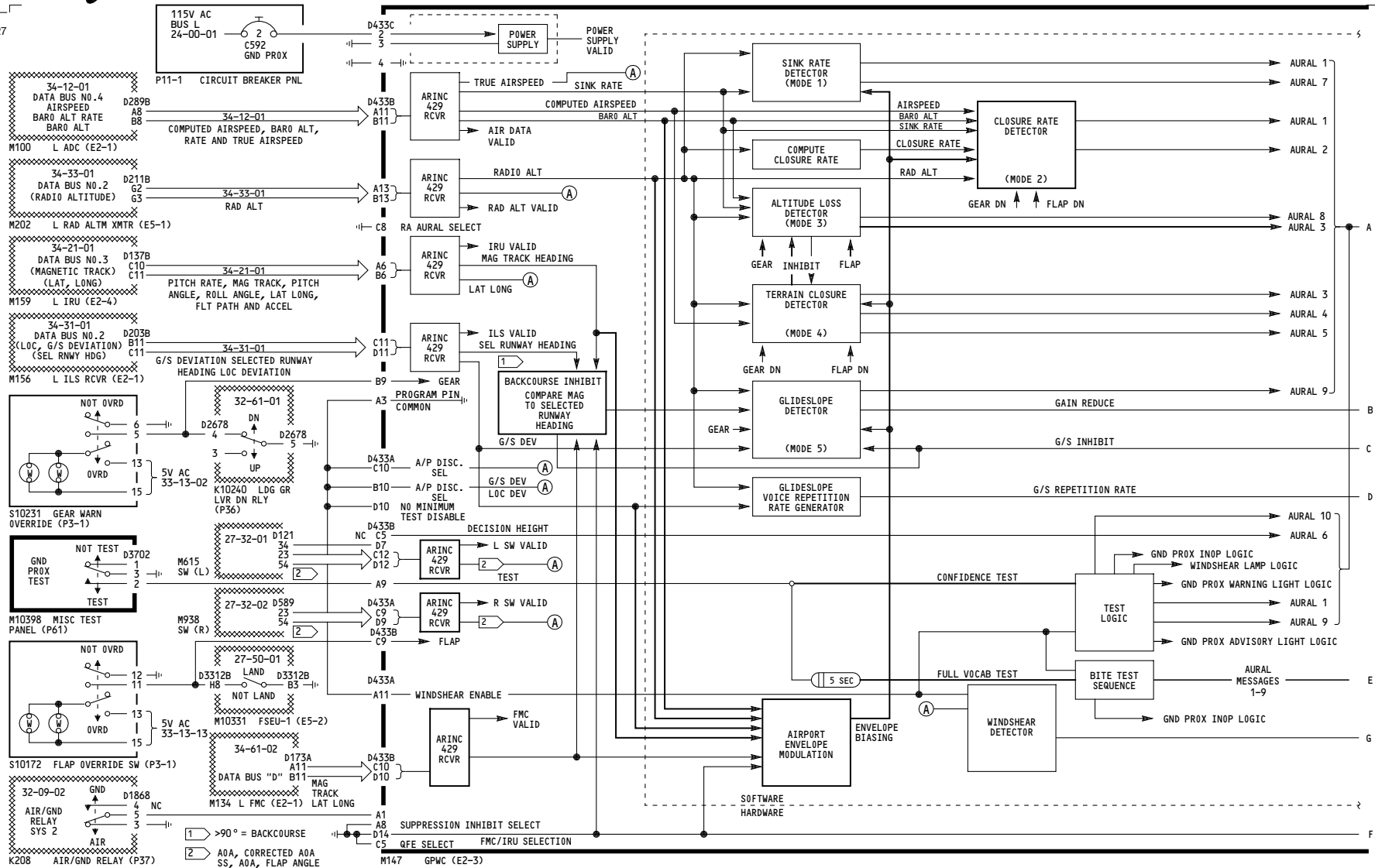
GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01

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Sheet 2
Jan 21/2005

5027

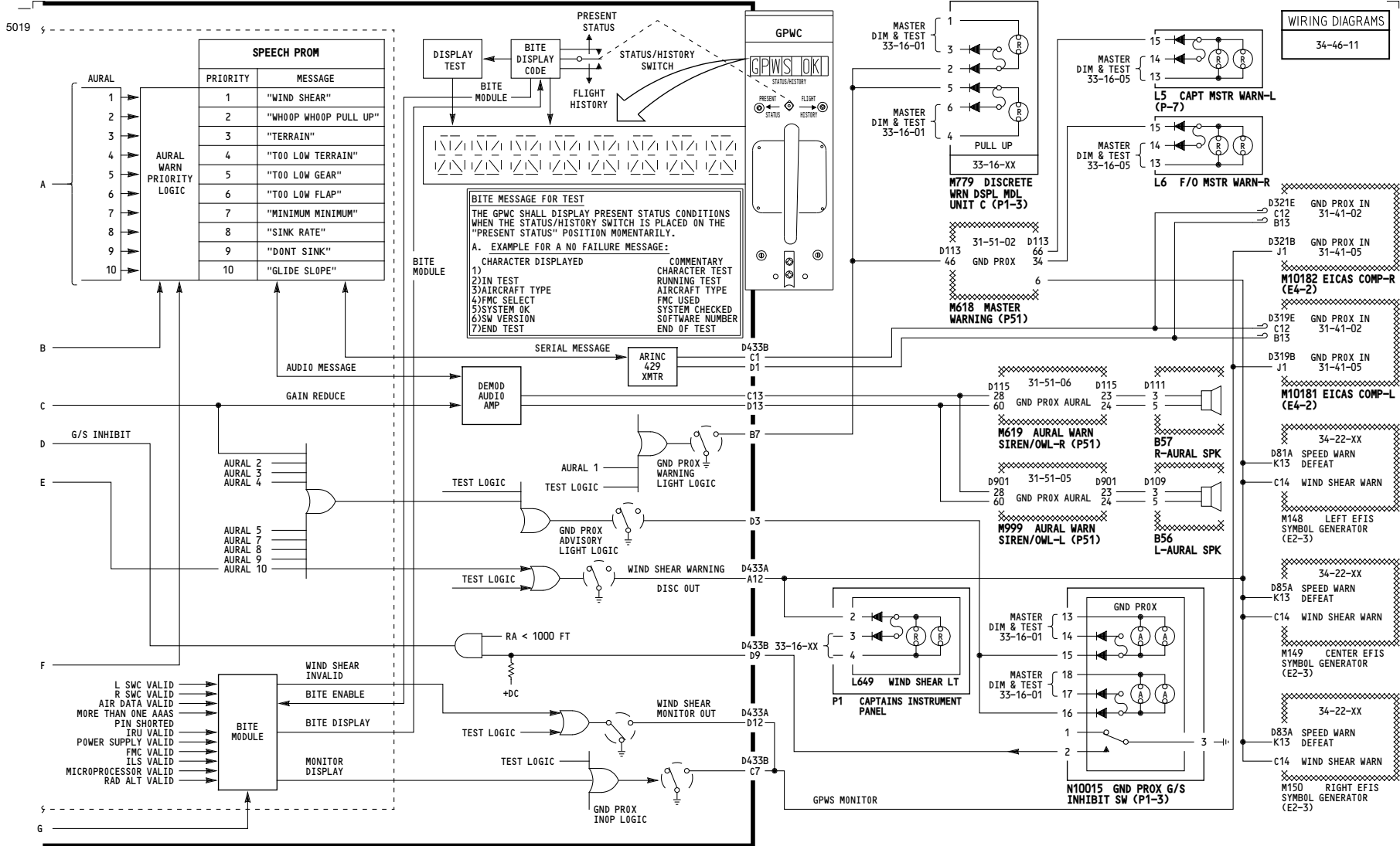


115-199

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01



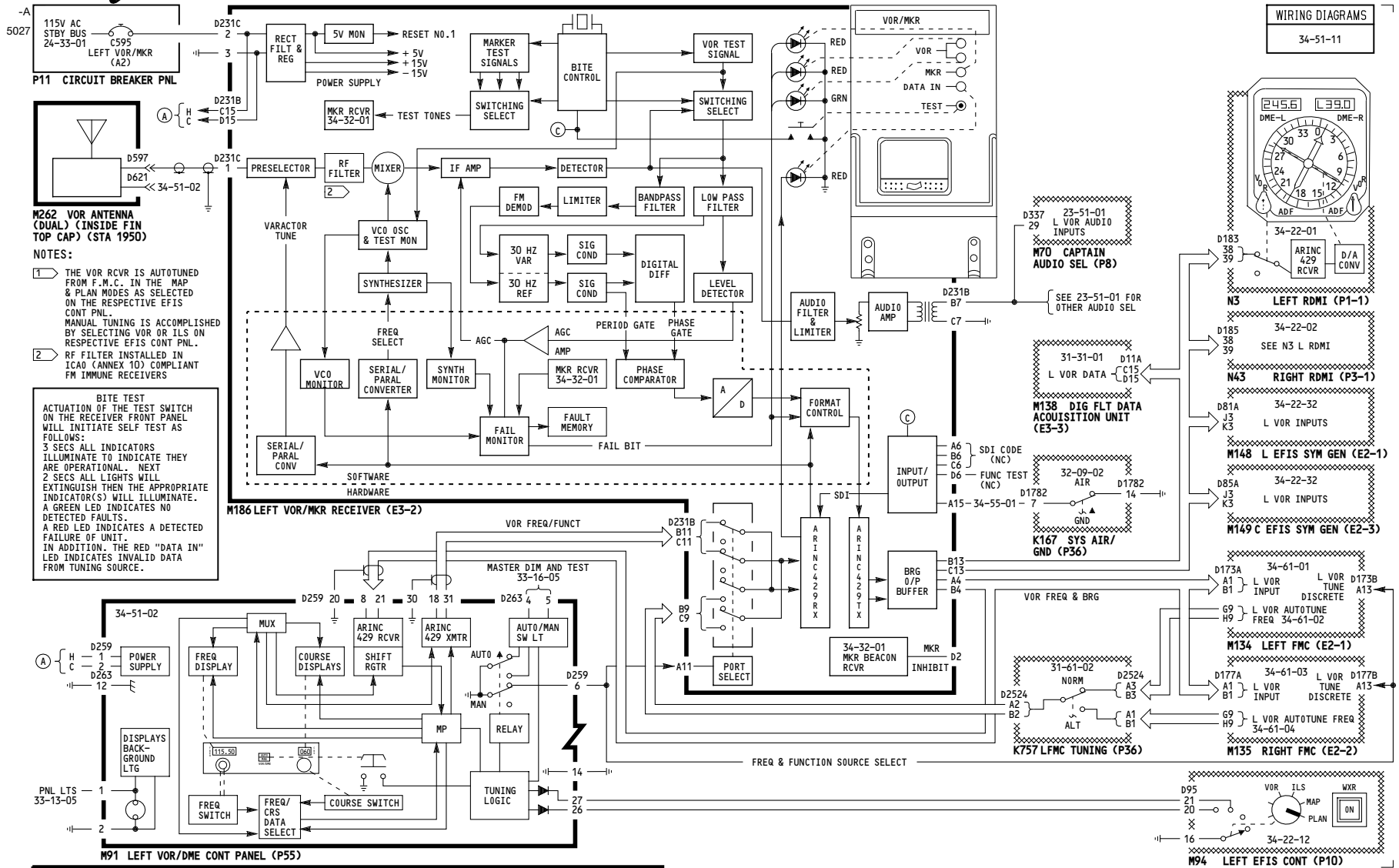
115-199

GROUND PROXIMITY WARNING SYSTEM

D280N032S

34-46-01

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Sheet 2
Jan 21/2005

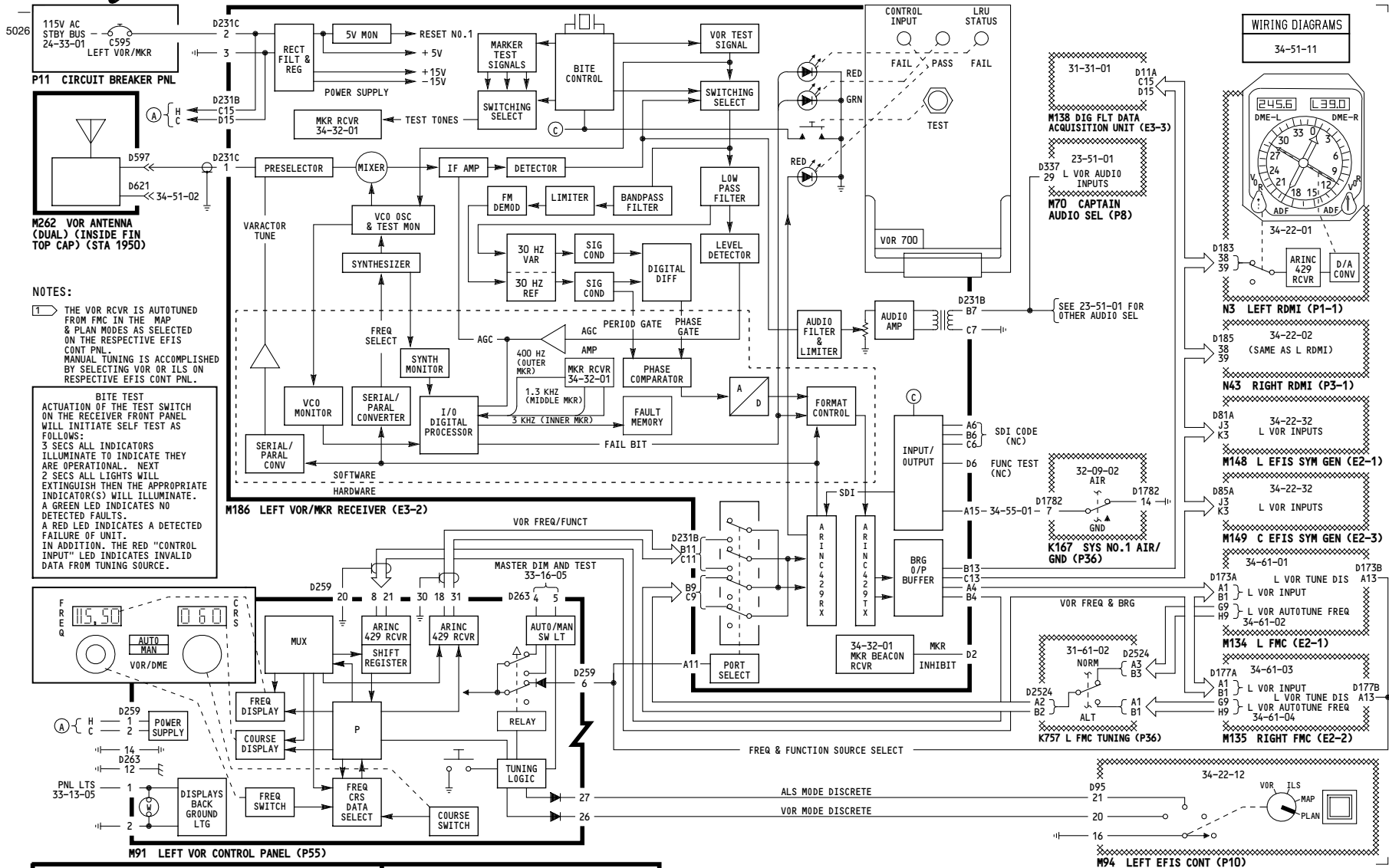


001, 009

LEFT VOR

D280N032S

34-51-01

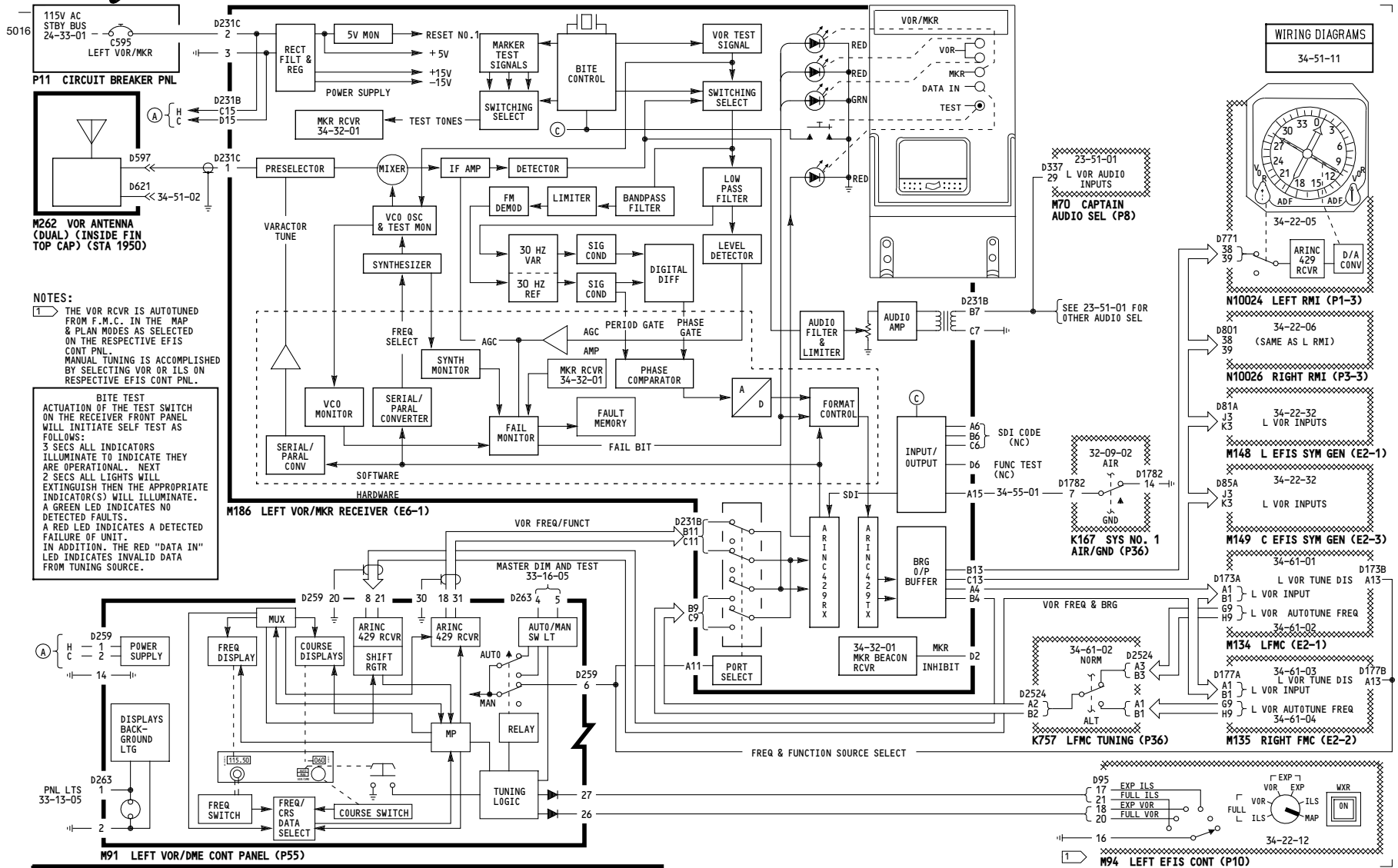


002-008, 010-099

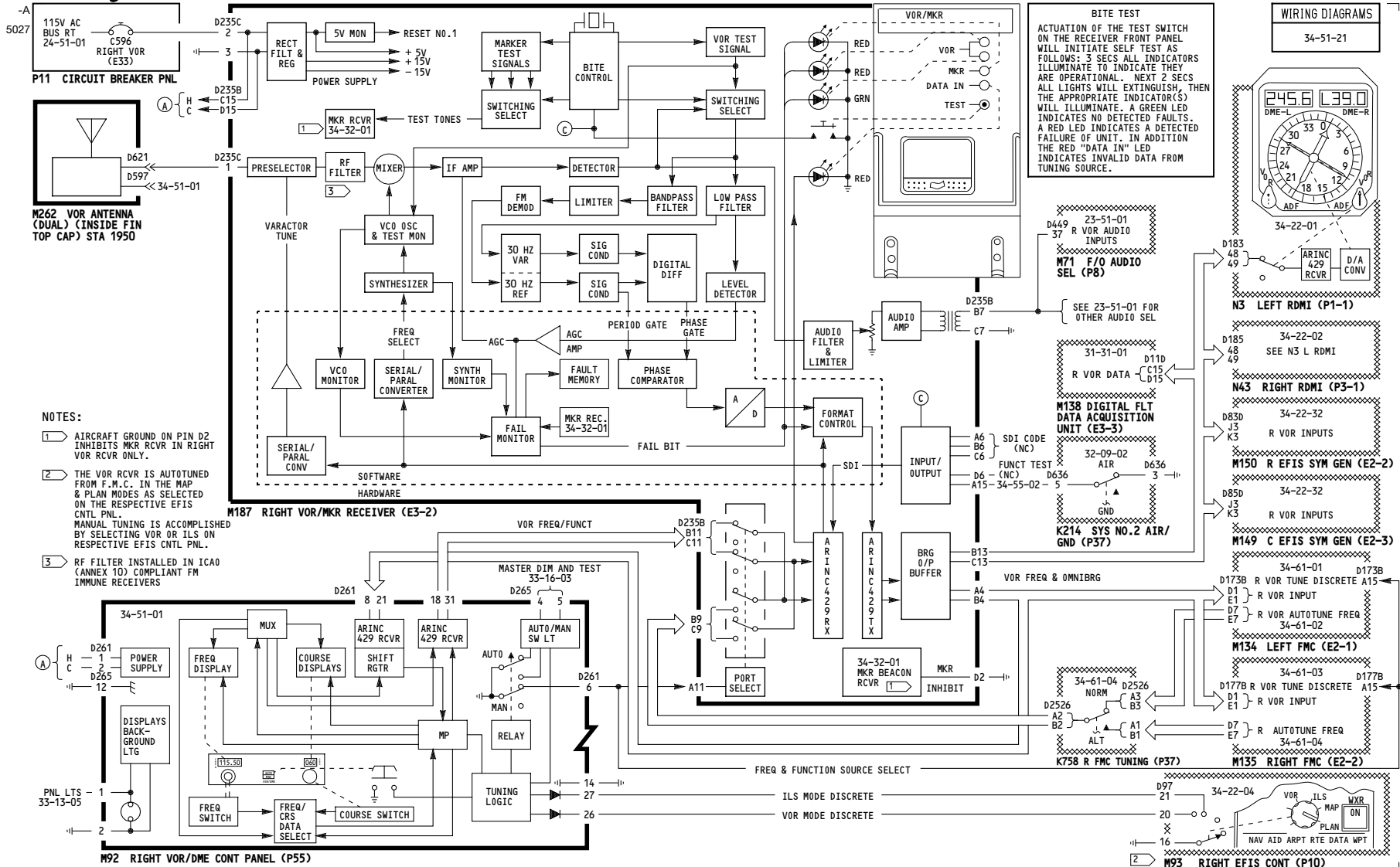
LEFT VOR

D280N032S

34-51-01

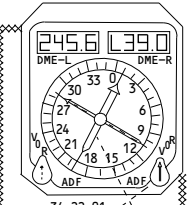


34-51-01



BITE TEST
 ACTUATION OF THE TEST SWITCH ON THE RECEIVER FRONT PANEL WILL INITIATE SELF TEST AS FOLLOWS: 3 SECS ALL INDICATORS ILLUMINATE TO INDICATE THEY ARE OPERATIONAL. NEXT 2 SECS ALL LIGHTS WILL EXTINGUISH. THEN THE APPROPRIATE INDICATOR(S) WILL ILLUMINATE. A GREEN LED INDICATES NO DETECTED FAULTS. A RED LED INDICATES A DETECTED FAILURE OF UNIT. IN ADDITION THE RED "DATA IN" LED INDICATES INVALID DATA FROM TUNING SOURCE.

WIRING DIAGRAMS
 34-51-21



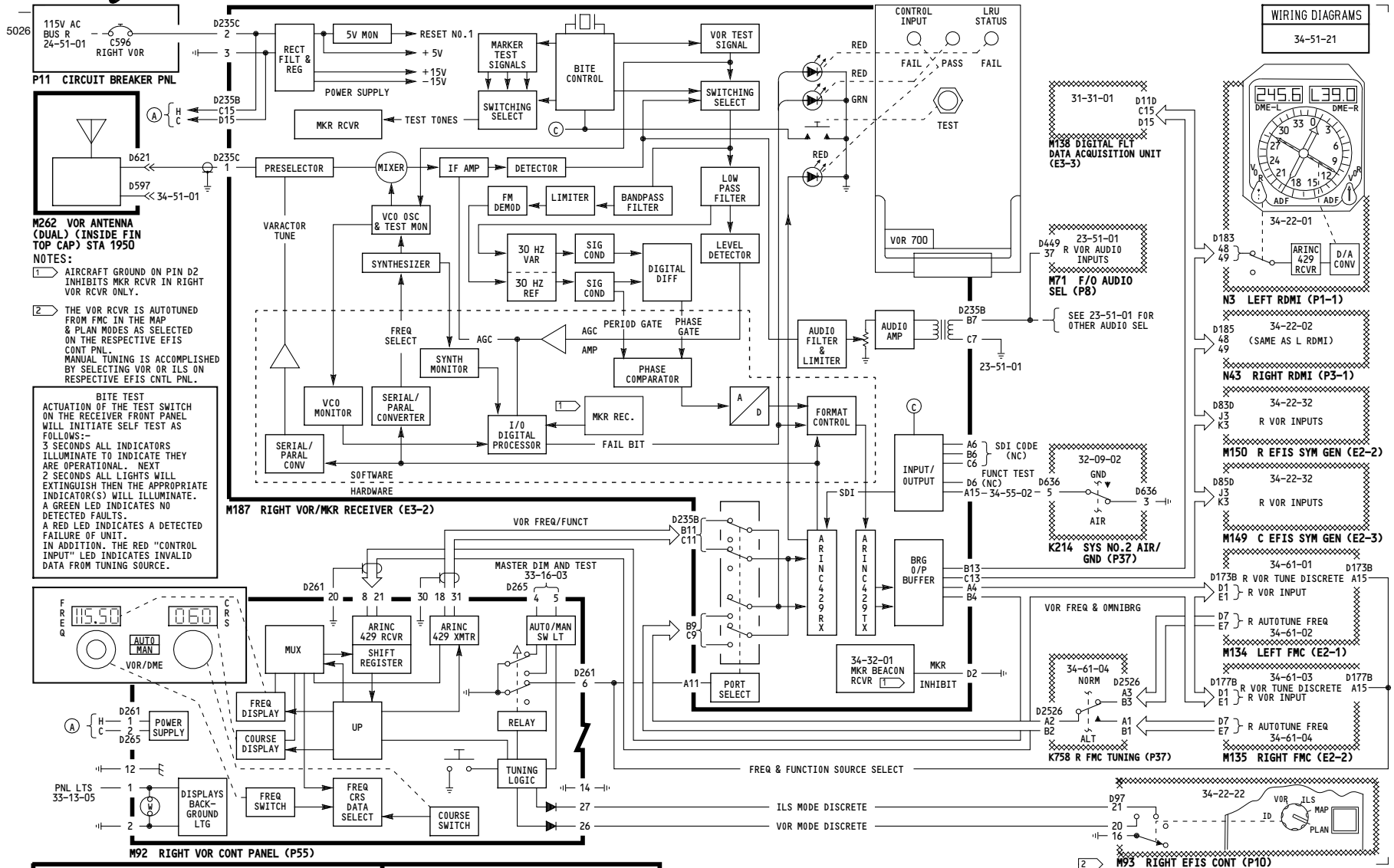
- NOTES:**
- AIRCRAFT GROUND ON PIN D2 INHIBITS MKR RCVR IN RIGHT VOR RCVR ONLY.
 - THE VOR RCVR IS AUTOTUNED FROM F.M.C. IN THE MAP & PLAN MODES AS SELECTED ON THE RESPECTIVE EFIS CNTL PNL. MANUAL TUNING IS ACCOMPLISHED BY SELECTING VOR OR ILS ON RESPECTIVE EFIS CNTL PNL.
 - RF FILTER INSTALLED IN ICAO (ANNEX 10) COMPLIANT FM IMMUNE RECEIVERS

001, 009

RIGHT VOR

D280N032S

34-51-02

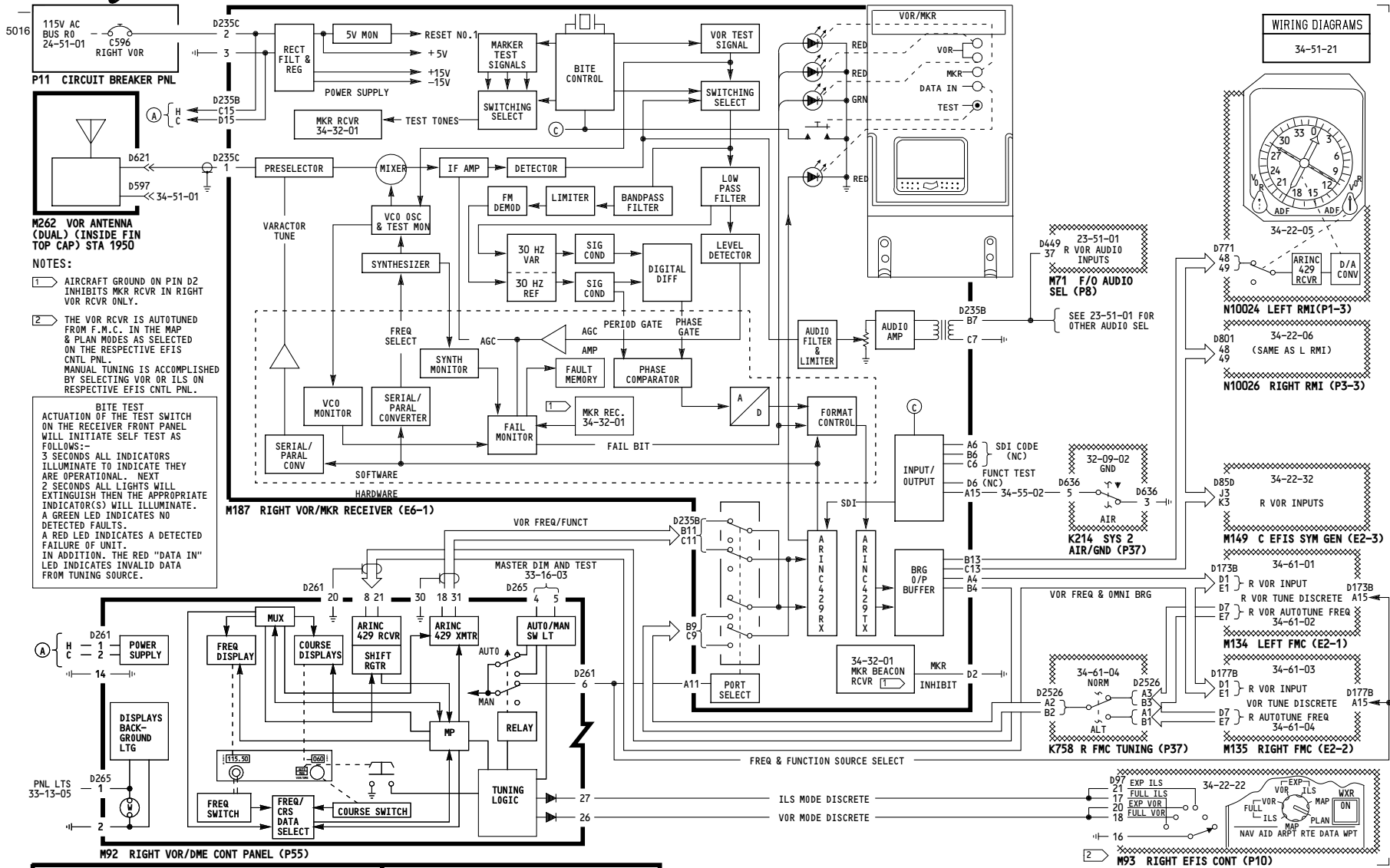


002-008, 010-099

RIGHT VOR

D280N032S

34-51-02

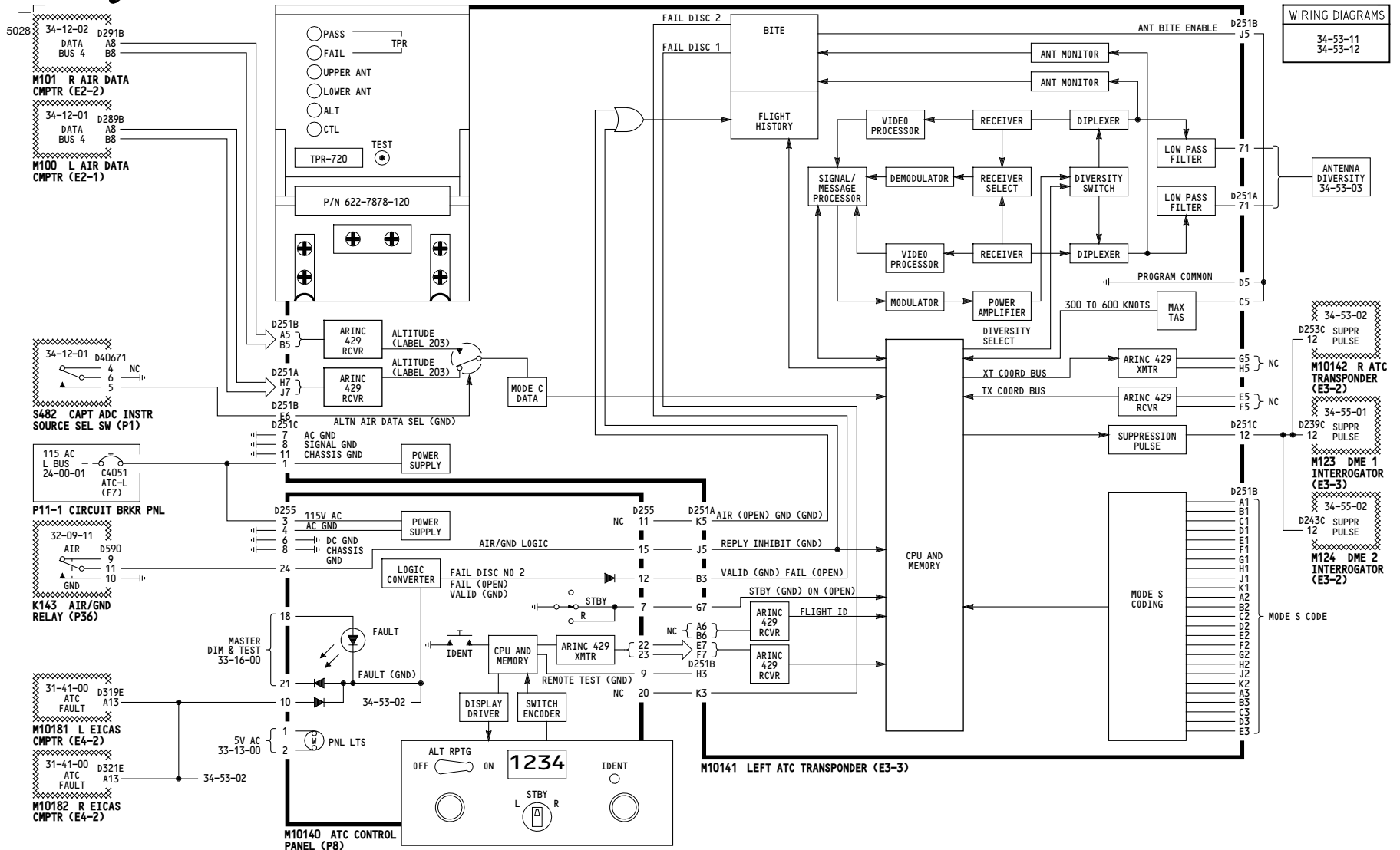


115-199

RIGHT VOR

D280N032S

34-51-02

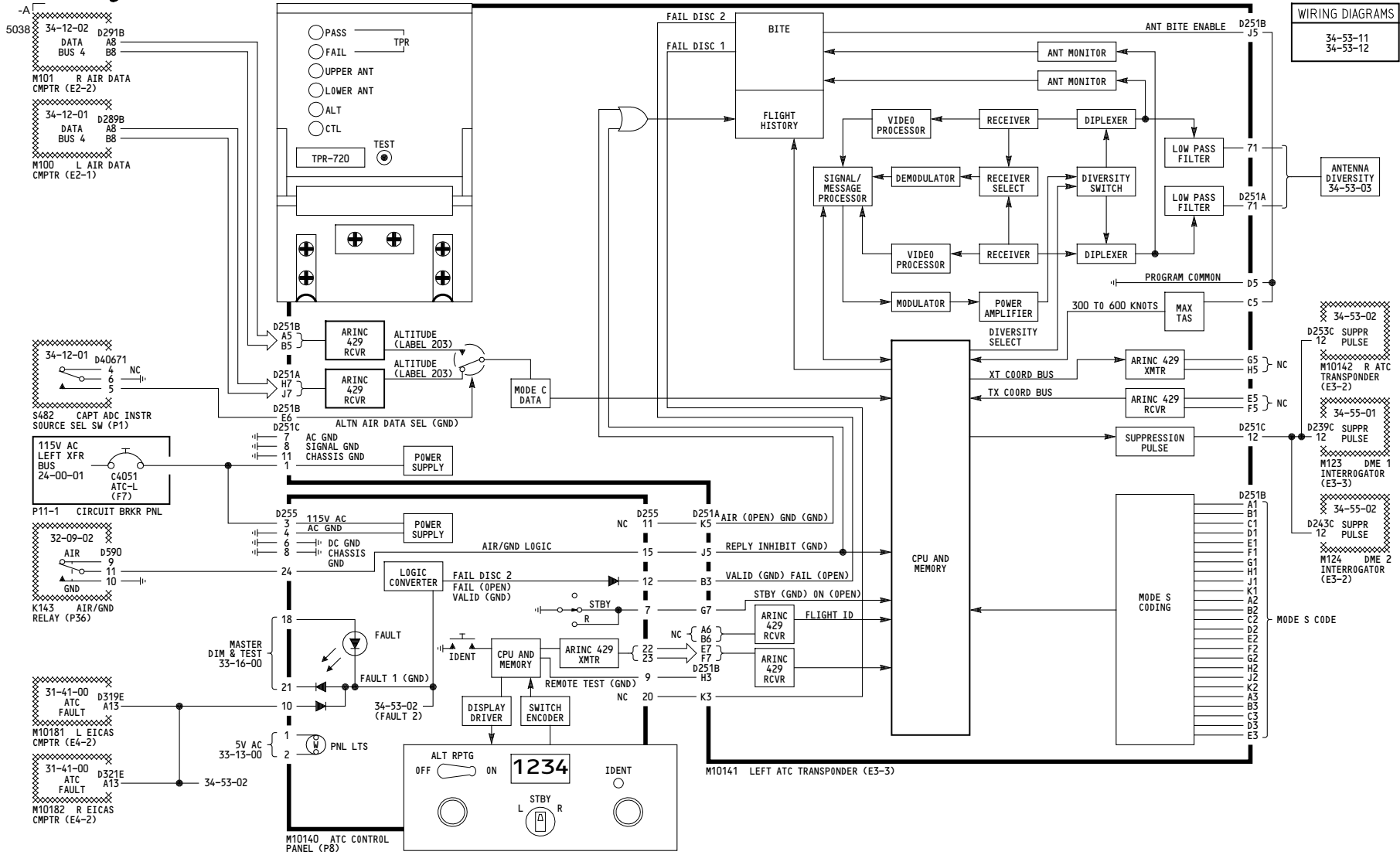


001-002

ATC TRANSPONDER - LEFT

D280N032S

34-53-01



WIRING DIAGRAMS
34-53-11
34-53-12

34-53-02
D253C SUPPR PULSE
M10142 R ATC TRANSPONDER (E3-2)
34-55-01
D239C SUPPR PULSE
M123 DME 1 INTERROGATOR (E3-3)
34-55-02
D243C SUPPR PULSE
M124 DME 2 INTERROGATOR (E3-2)

34-53-01

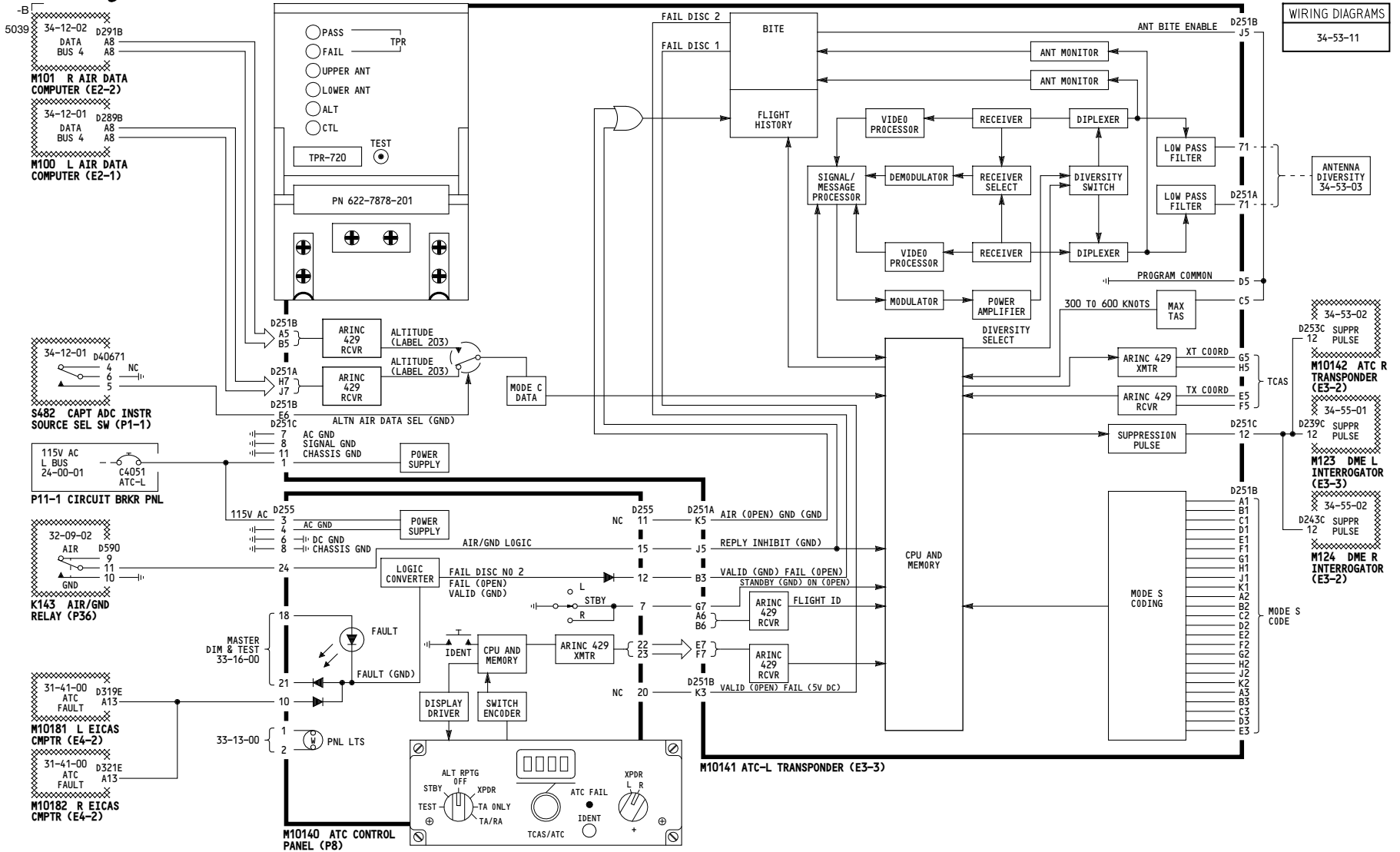
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003-006

ATC TRANSPONDER - LEFT

D280N032S



007-099

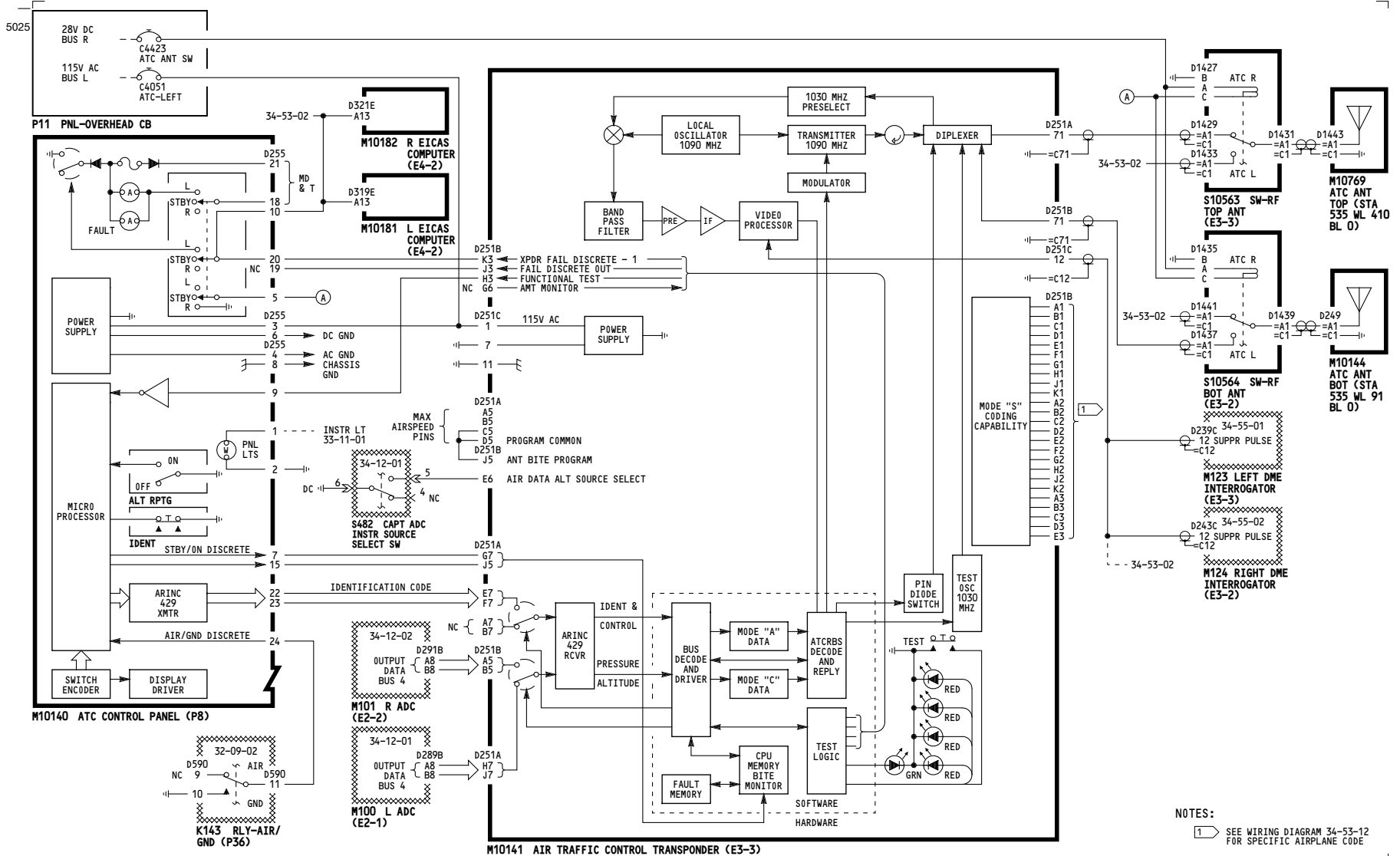
ATC TRANSPONDER - LEFT

34-53-01

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D280N032S



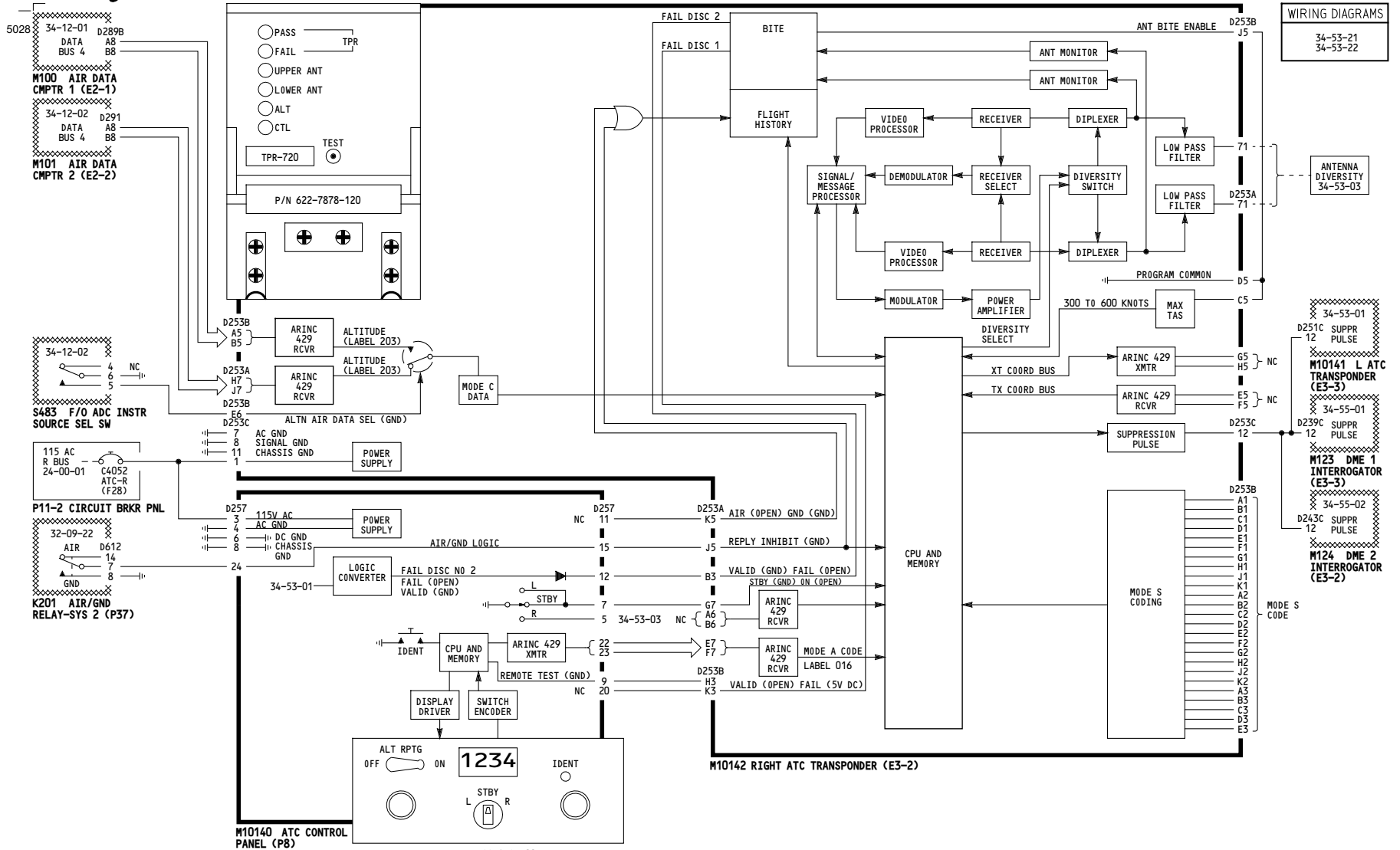
NOTES:
 1 SEE WIRING DIAGRAM 34-53-12 FOR SPECIFIC AIRPLANE CODE

115-199

ATC TRANSPONDER - LEFT

D280N032S

34-53-01

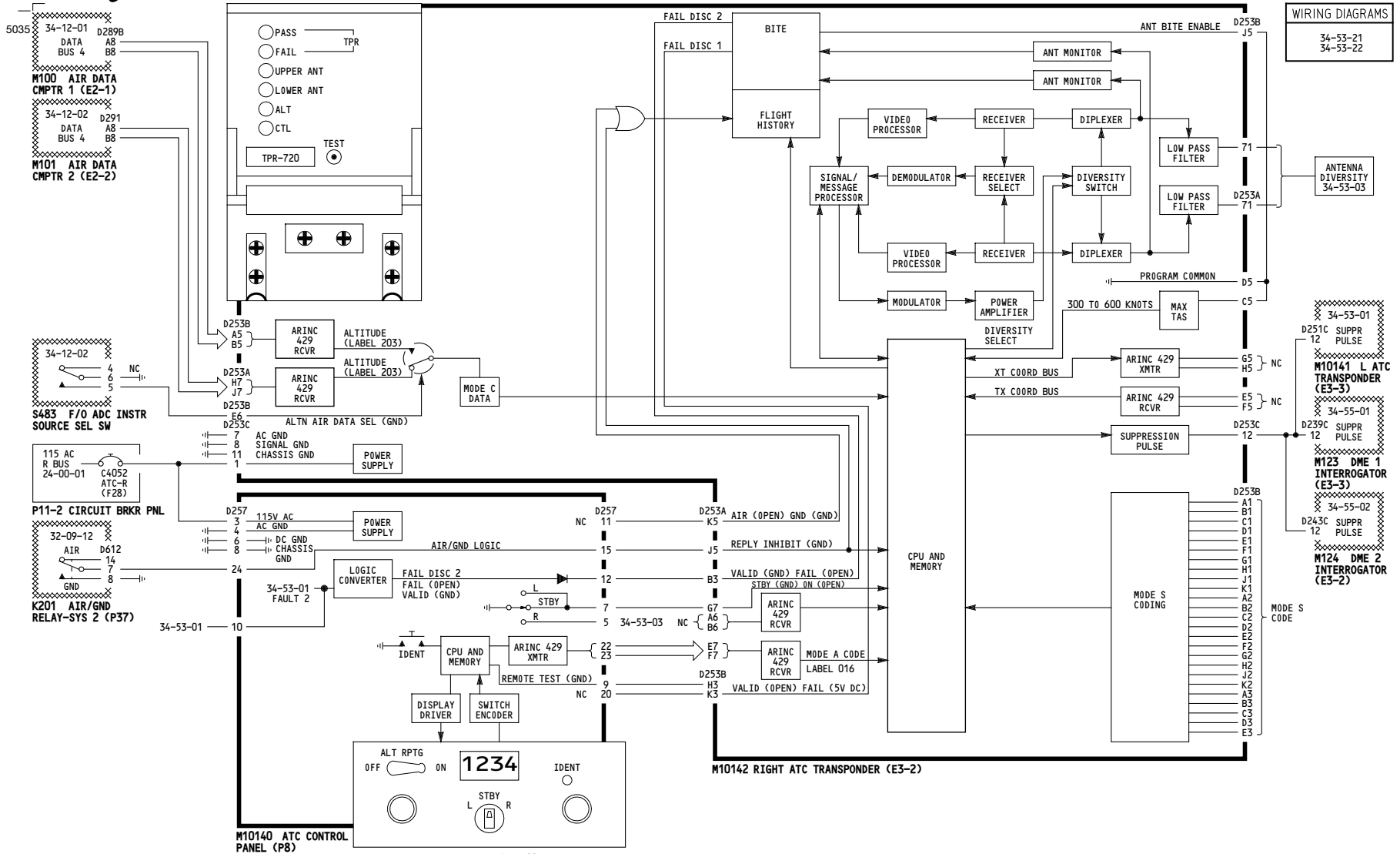


001-002

ATC TRANSPONDER - RIGHT

D280N032S

34-53-02



WIRING DIAGRAMS
34-53-21
34-53-22

34-53-01
D251C SUPPR PULSE
M10141 L ATC TRANSPONDER (E3-3)
34-55-01
D239C SUPPR PULSE
M123 DME 1 INTERROGATOR (E3-3)
34-55-02
D243C SUPPR PULSE
M124 DME 2 INTERROGATOR (E3-2)

003-006

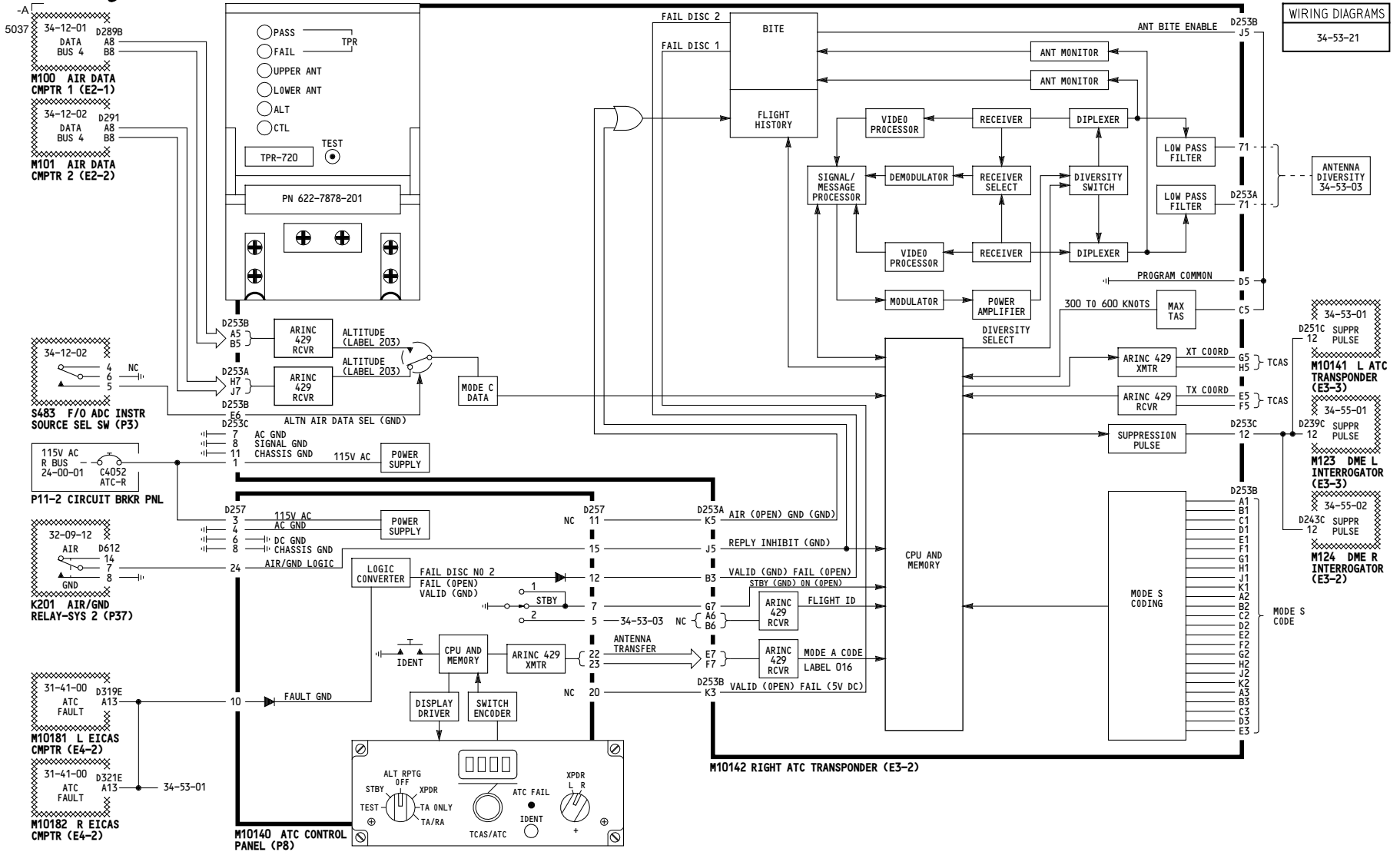
ATC TRANSPONDER - RIGHT

D280N032S

34-53-02

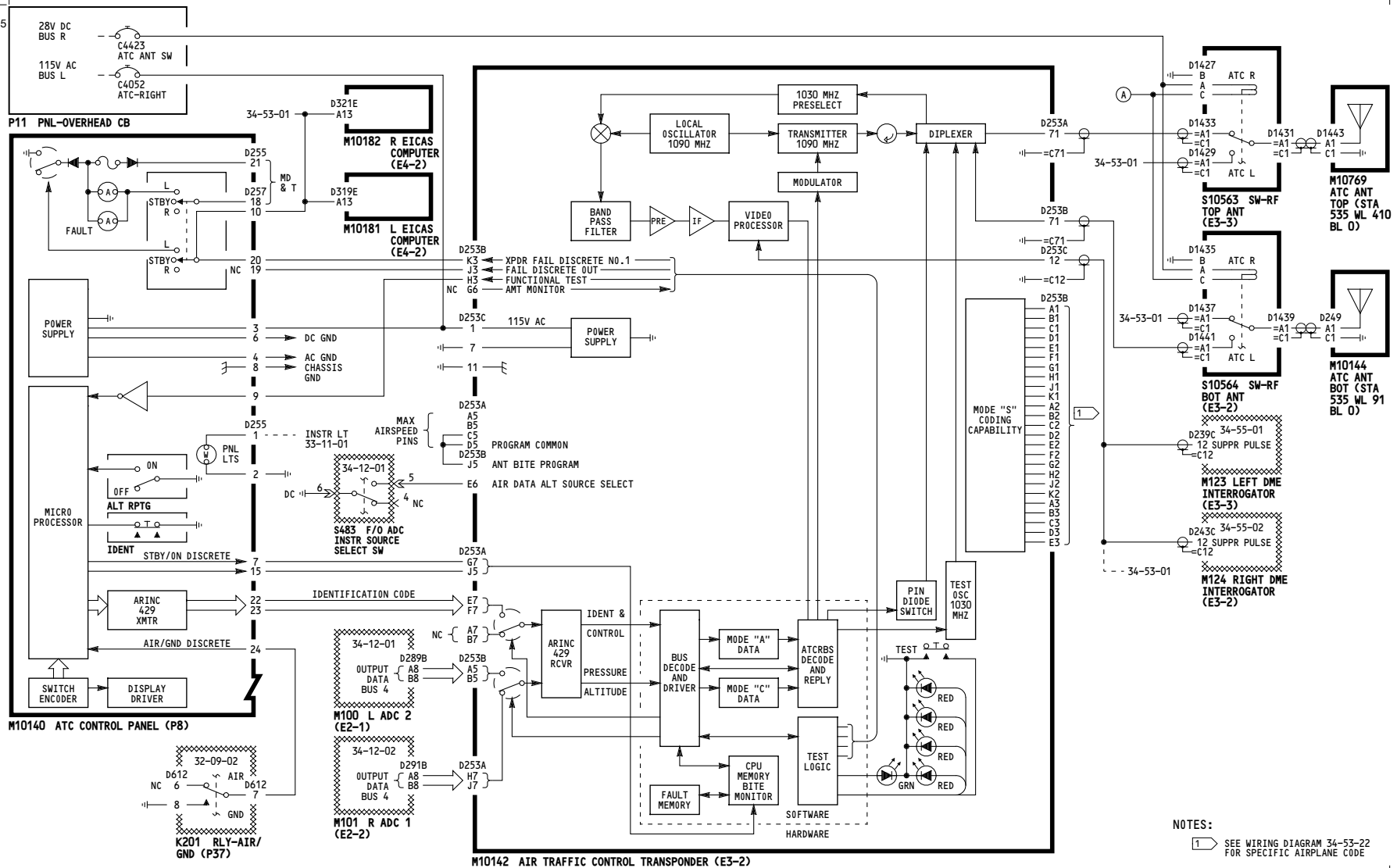
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34-53-02

5025



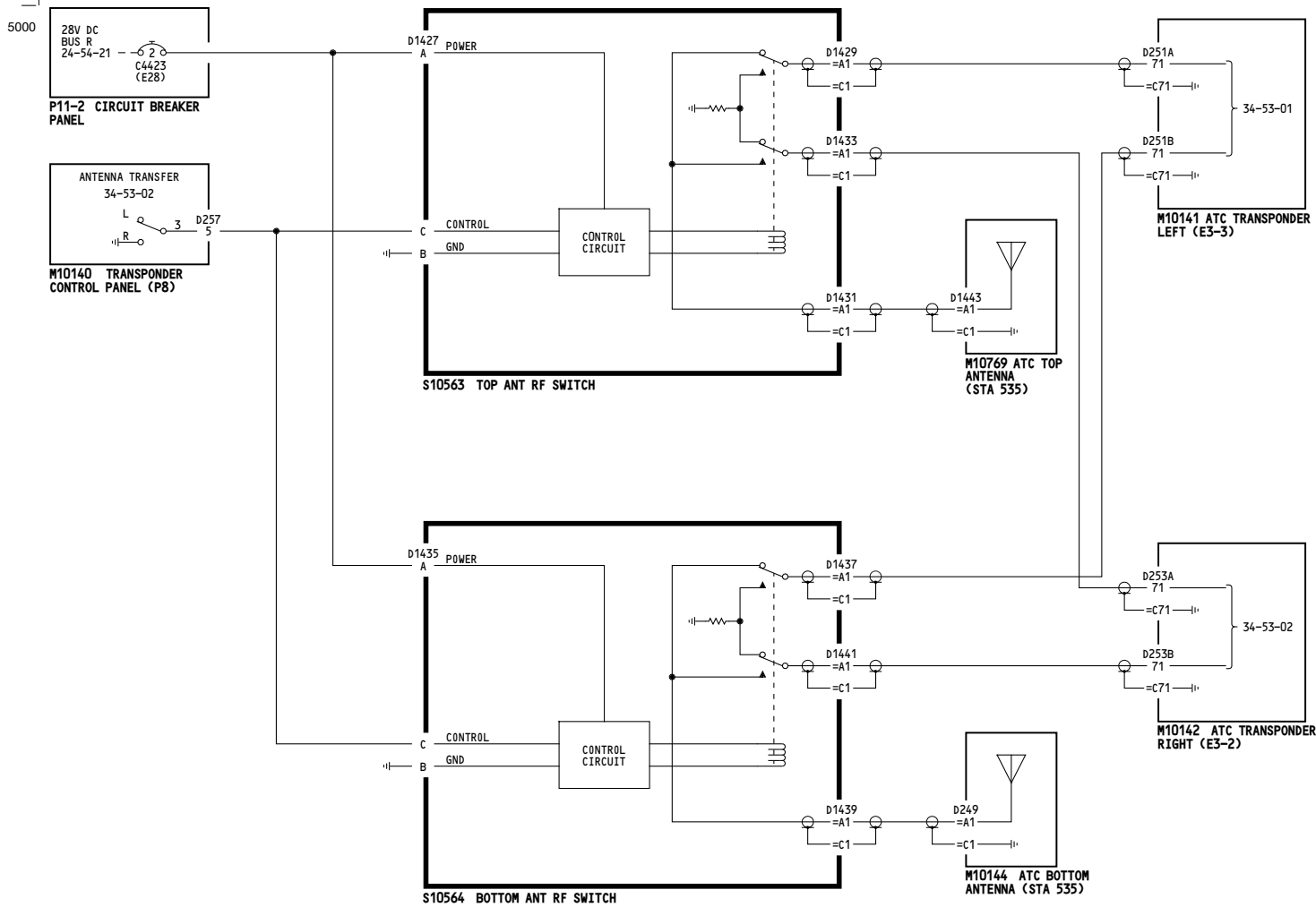
115-199

ATC TRANSPONDER - RIGHT

D280N032S

34-53-02

WIRING DIAGRAMS
34-53-11
34-53-21

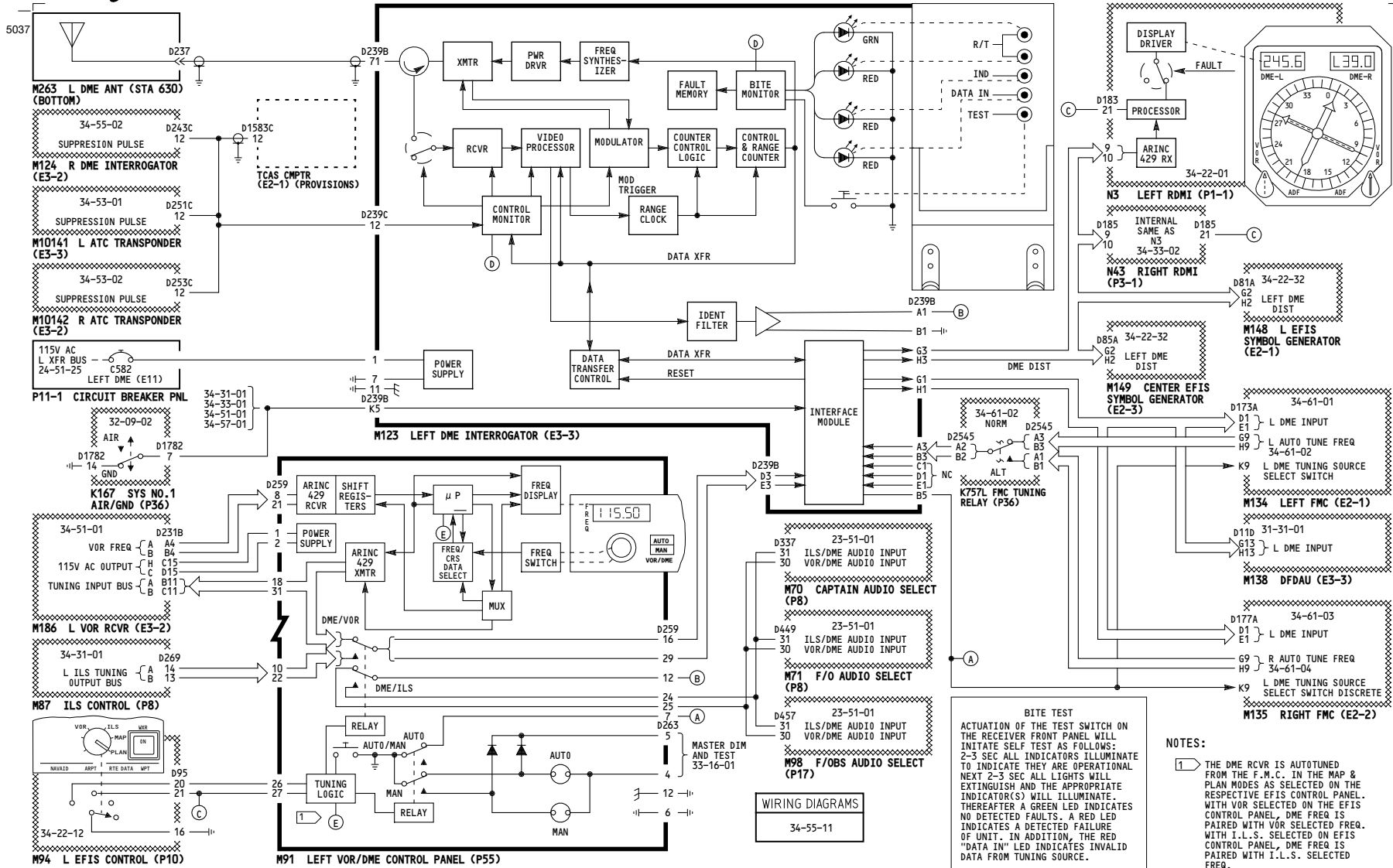


| | |
|-----|---|
| ALL | <p>ATC ANTENNA SELECT</p> <p>D280N032S</p> |
|-----|---|

34-53-03

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BITE TEST
 ACTUATION OF THE TEST SWITCH ON THE RECEIVER FRONT PANEL WILL INITIATE SELF TEST AS FOLLOWS: 2-3 SEC ALL INDICATORS ILLUMINATE TO INDICATE THEY ARE OPERATIONAL NEXT 2-3 SEC ALL LIGHTS WILL EXTINGUISH AND THE APPROPRIATE INDICATOR(S) WILL ILLUMINATE. THEREAFTER A GREEN LED INDICATES NO DETECTED FAILURES. A RED LED INDICATES A DETECTED FAILURE OF UNIT. IN ADDITION, THE RED "DATA IN" LED INDICATES INVALID DATA FROM TUNING SOURCE.

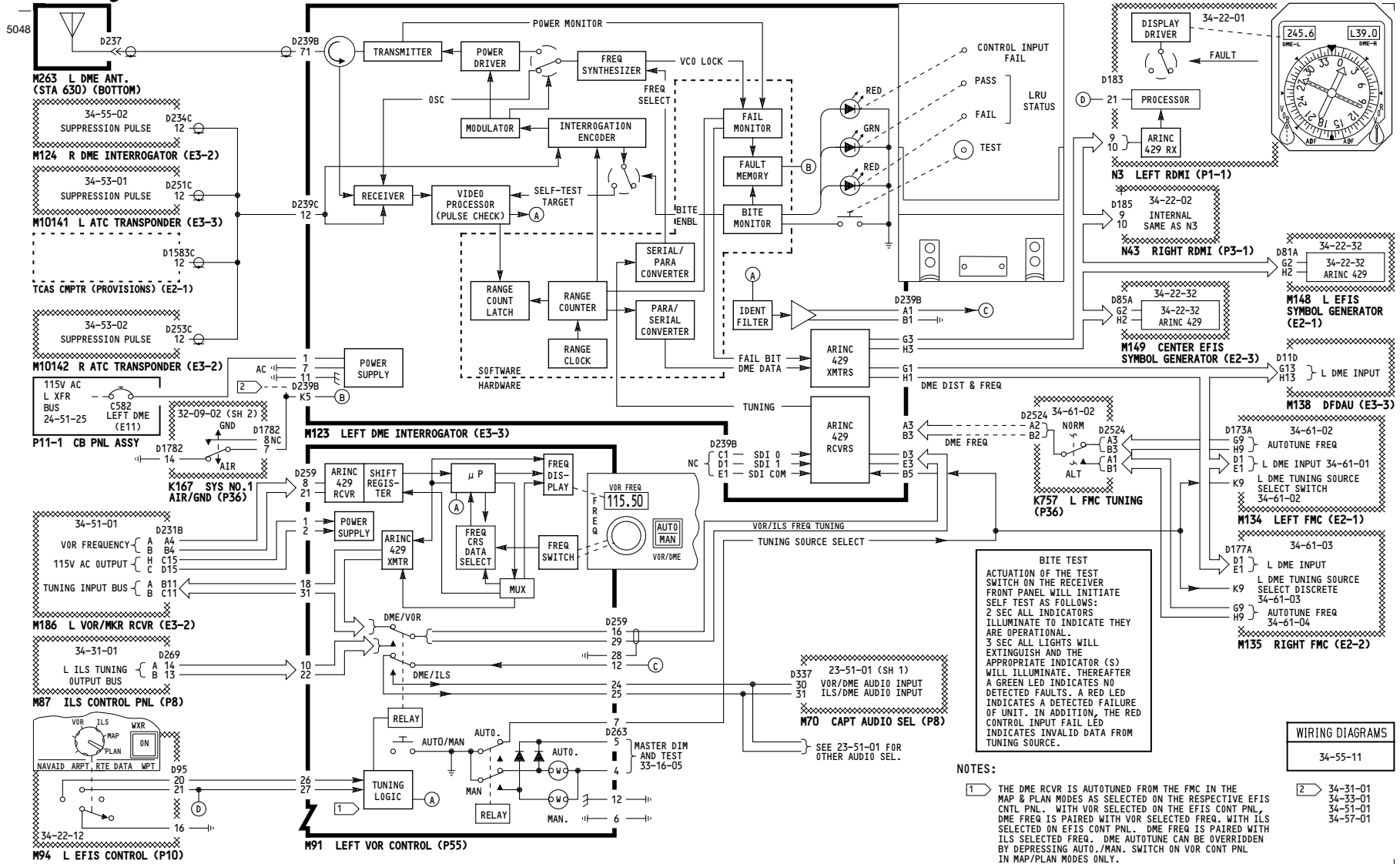
NOTES:
 1 THE DME RCVR IS AUTOTUNED FROM THE F.M.C. IN THE MAP & PLAN MODES AS SELECTED ON THE RESPECTIVE EFIS CONTROL PANEL. WITH VOR SELECTED ON THE EFIS CONTROL PANEL, DME FREQ IS PAIRED WITH VOR SELECTED FREQ. WITH I.L.S. SELECTED ON EFIS CONTROL PANEL, DME FREQ IS PAIRED WITH I.L.S. SELECTED FREQ.

001, 009

DME - LEFT

D280N032S

34-55-01



BITE TEST
 ACTUATION OF THE TEST SWITCH ON THE RECEIVER FRONT PANEL WILL INITIATE SELF TEST AS FOLLOWS:
 2 SEC ALL INDICATORS ILLUMINATE TO INDICATE THEY ARE OPERATIONAL.
 3 SEC ALL LIGHTS WILL EXTINGUISH AND THE APPROPRIATE INDICATOR (S) WILL ILLUMINATE. THEREAFTER A GREEN LED INDICATES NO DETECTED FAULTS, A RED LED INDICATES A DETECTED FAILURE OF UNIT. IN ADDITION, THE RED CONTROL INPUT FAIL LED INDICATES INVALID DATA FROM TUNING SOURCE.

- NOTES:**
- 1 THE DME RCVR IS AUTOTUNED FROM THE FMC IN THE MAP & PLAN MODES AS SELECTED ON THE RESPECTIVE EFIS CNTL PNL. WITH VOR SELECTED ON THE EFIS CONT PNL, DME FREQ IS PAIRED WITH VOR SELECTED FREQ. WITH ILS SELECTED ON EFIS CONT PNL, DME FREQ IS PAIRED WITH ILS SELECTED FREQ. DME AUTOTUNE CAN BE OVERRIDDEN BY DEPRESSING AUTO./MAN. SWITCH ON VOR CONT PNL IN MAP/PLAN MODES ONLY.
 - 2

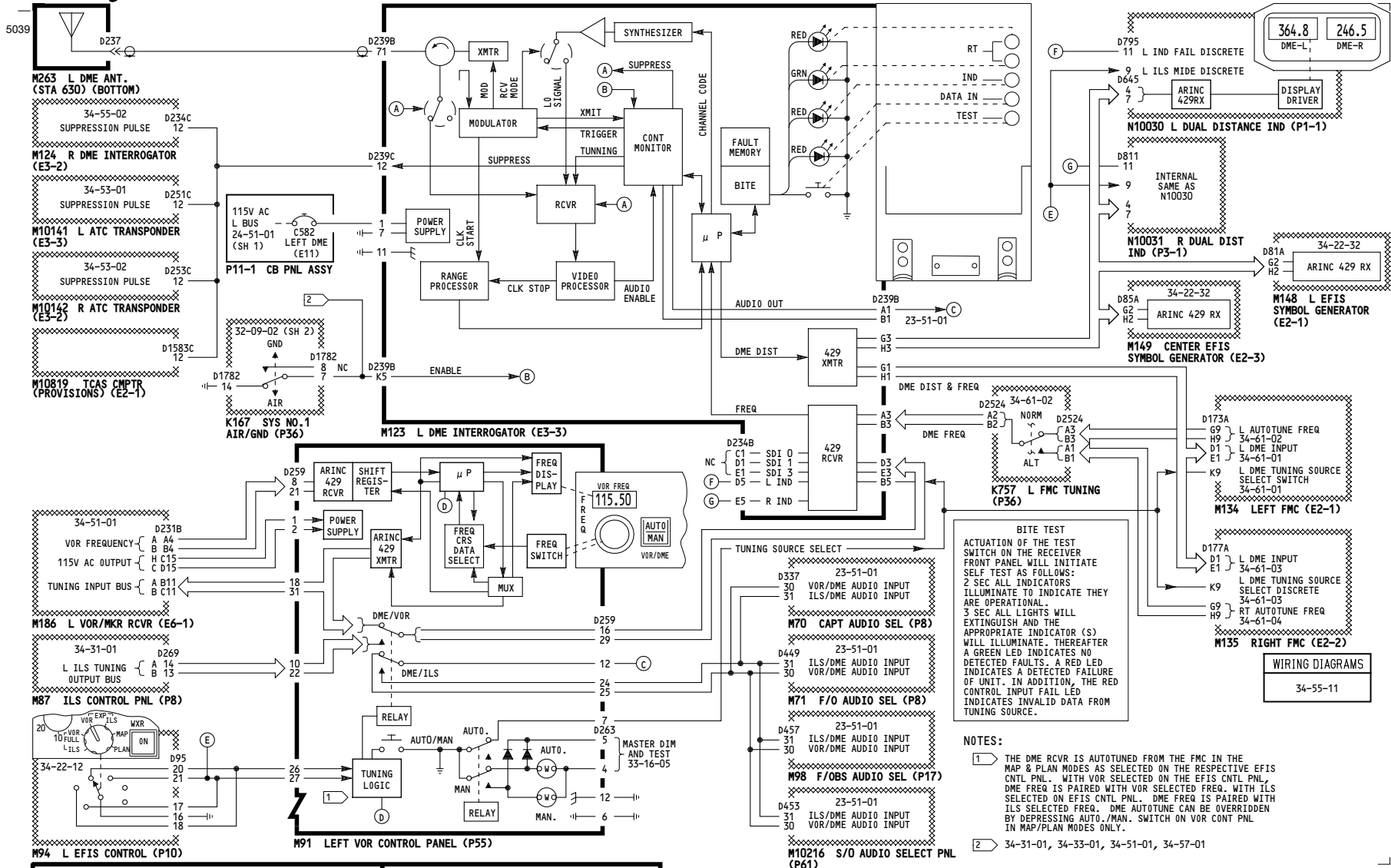
WIRING DIAGRAMS 34-55-11

002-008, 010-099

DME - LEFT

D280N032S

34-55-01

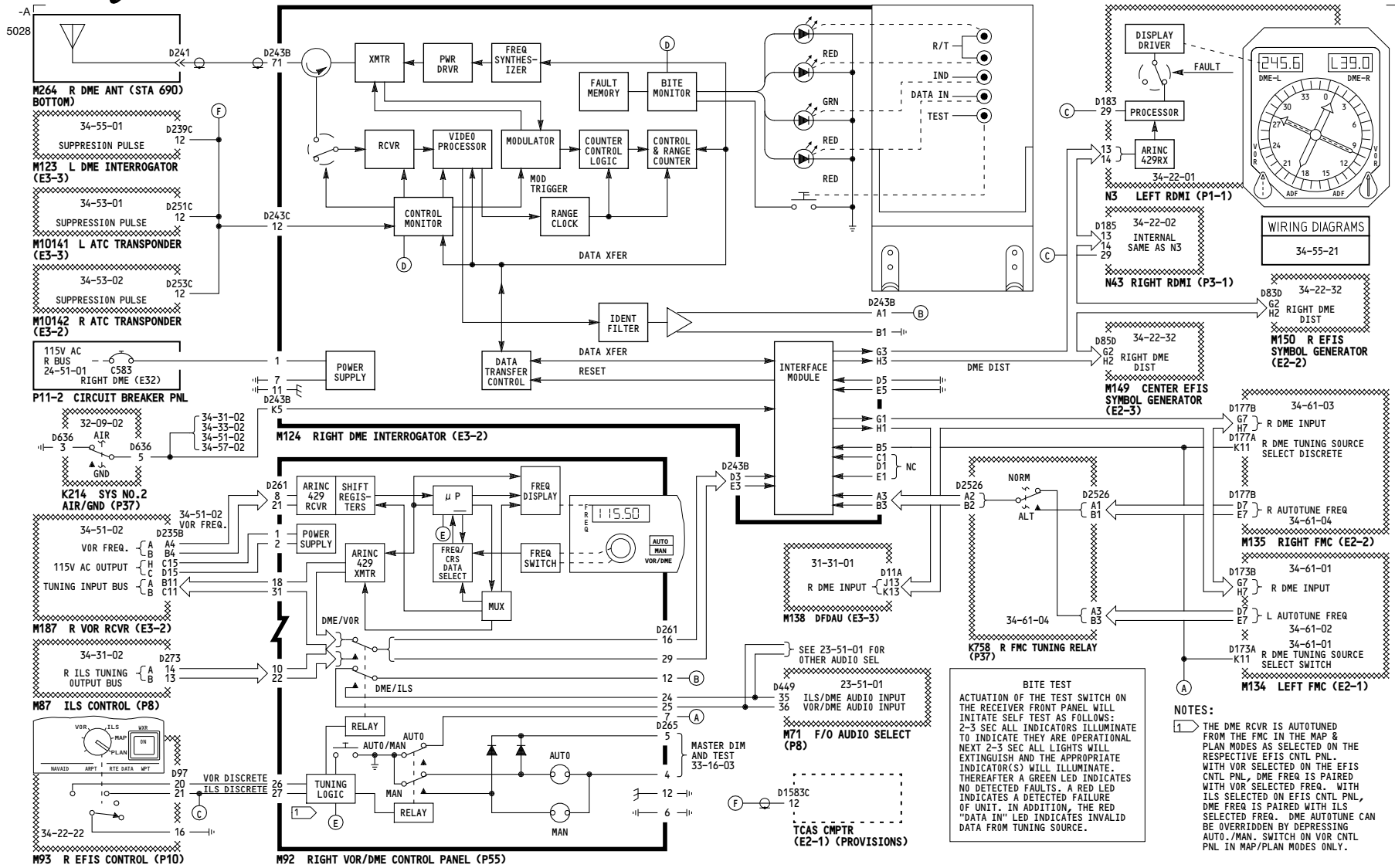


115-199

DME - LEFT

D280N032S

34-55-01



001, 009

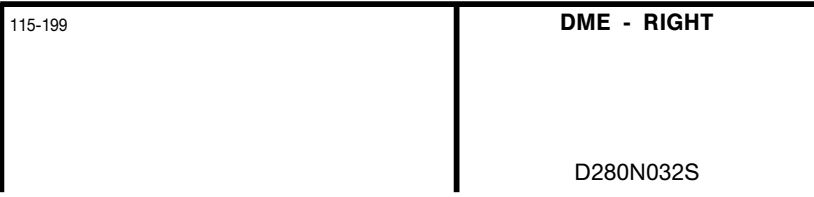
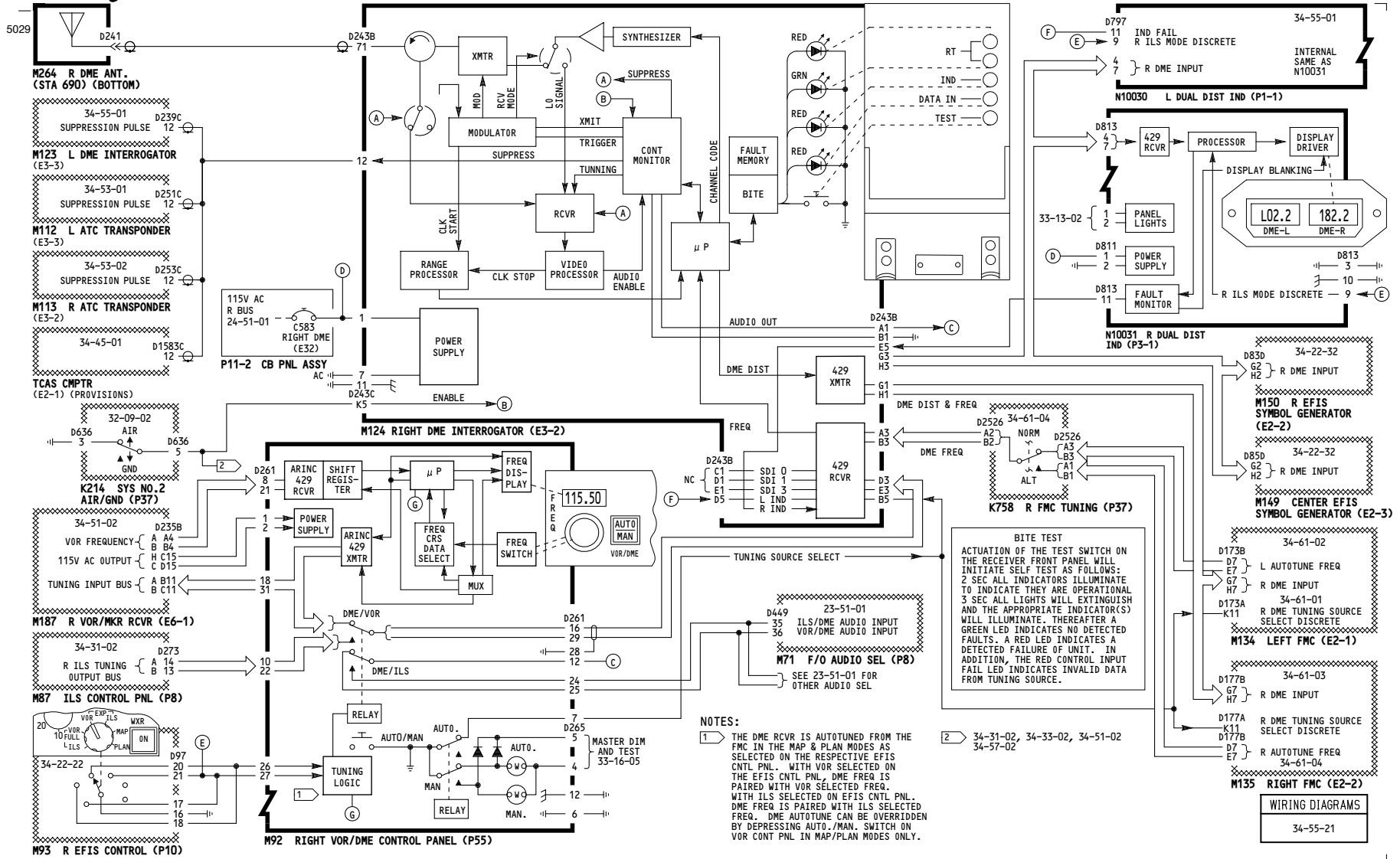
DME - RIGHT

D280N032S

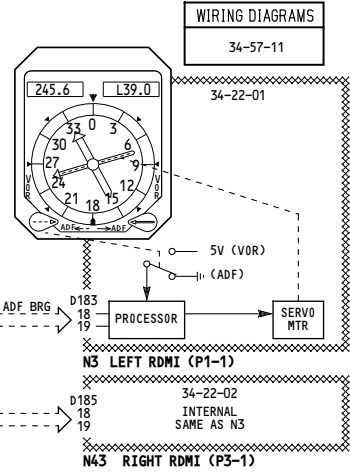
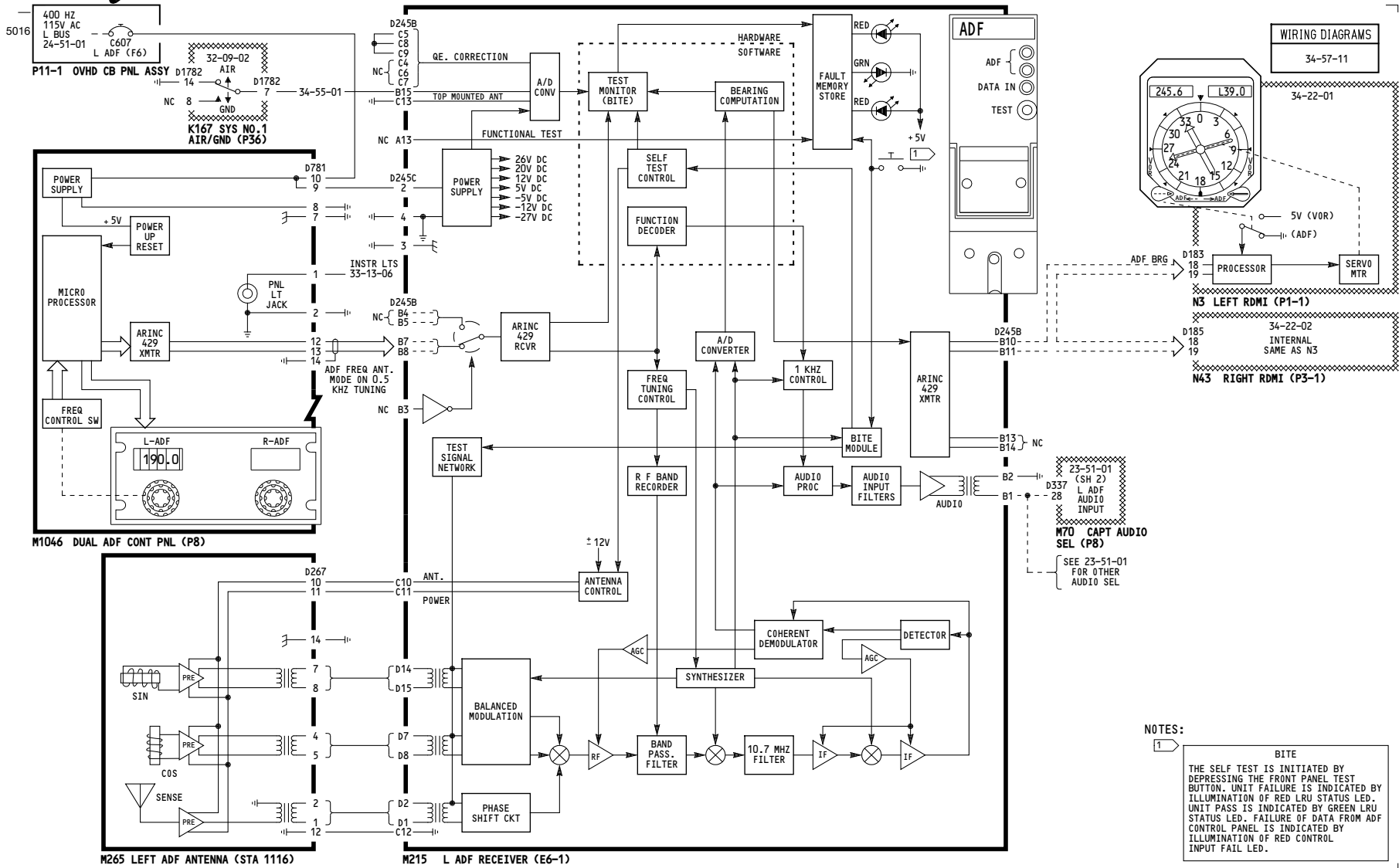
34-55-02

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34-55-02



NOTES:

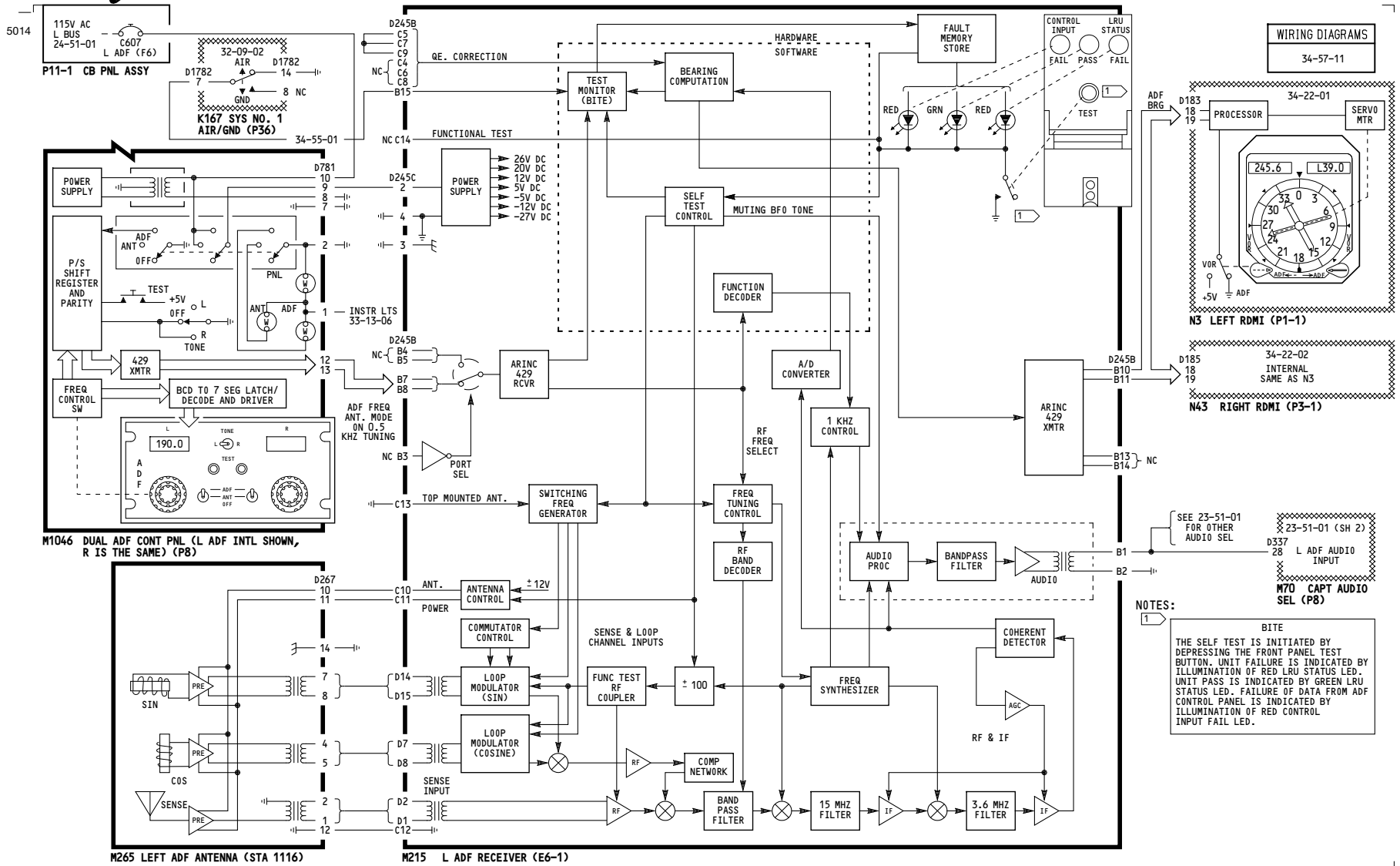
1 → BITE
 THE SELF TEST IS INITIATED BY DEPRESSING THE FRONT PANEL TEST BUTTON. UNIT FAILURE IS INDICATED BY ILLUMINATION OF RED LRU STATUS LED. UNIT PASS IS INDICATED BY GREEN LRU STATUS LED. FAILURE OF DATA FROM ADF CONTROL PANEL IS INDICATED BY ILLUMINATION OF RED CONTROL INPUT FAIL LED.

001

ADF - LEFT

D280N032S

34-57-01



002-008, 010-099

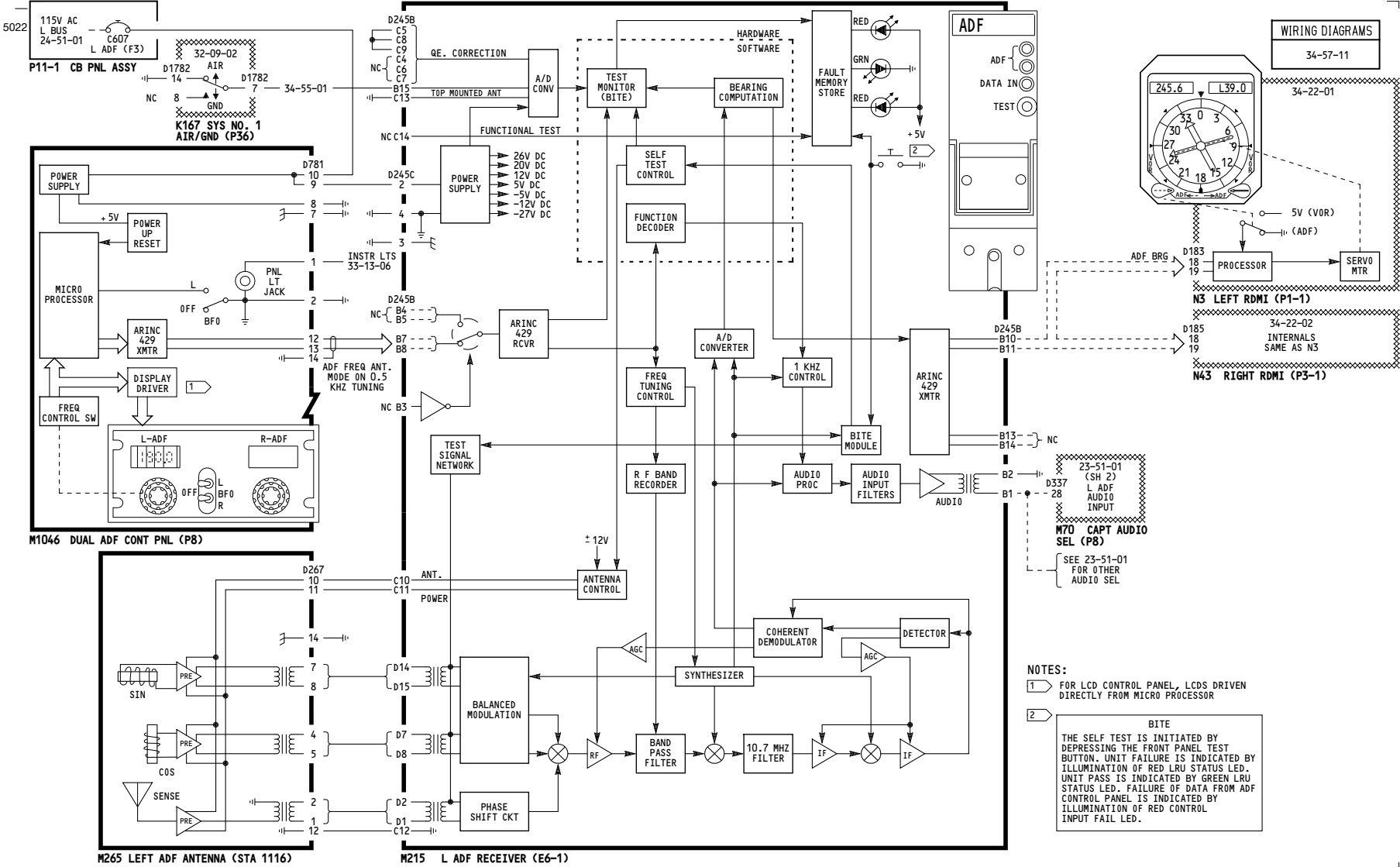
ADF - LEFT

D280N032S

34-57-01

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NOTES:
 1 FOR LCD CONTROL PANEL, LCDS DRIVEN DIRECTLY FROM MICRO PROCESSOR
 2

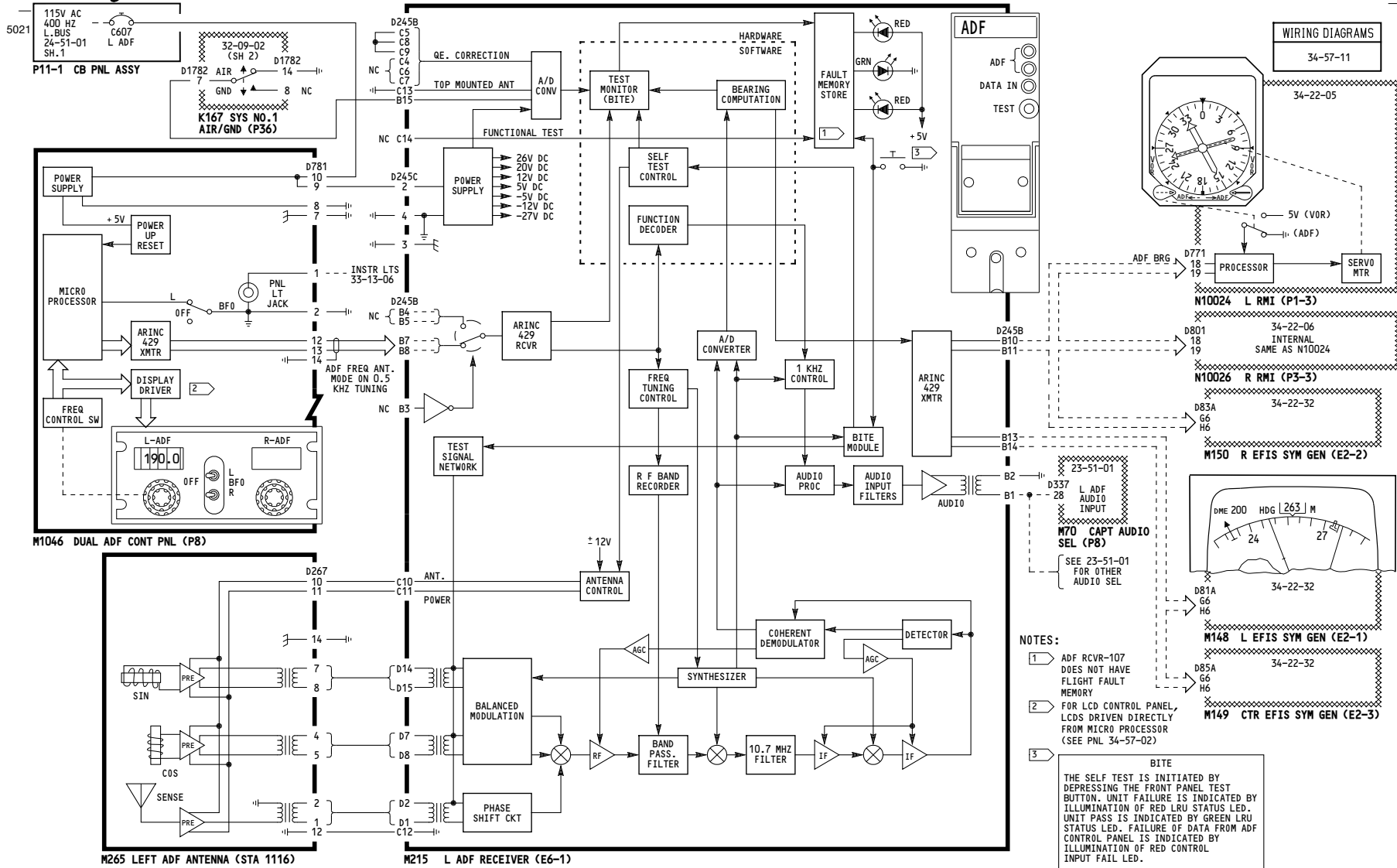
BITE
 THE SELF TEST IS INITIATED BY DEPRESSING THE FRONT PANEL TEST BUTTON. UNIT FAILURE IS INDICATED BY ILLUMINATION OF RED LRU STATUS LED. UNIT PASS IS INDICATED BY GREEN LRU STATUS LED. FAILURE OF DATA FROM ADF CONTROL PANEL IS INDICATED BY ILLUMINATION OF RED CONTROL INPUT FAIL LED.

009

ADF - LEFT

D280N032S

34-57-01

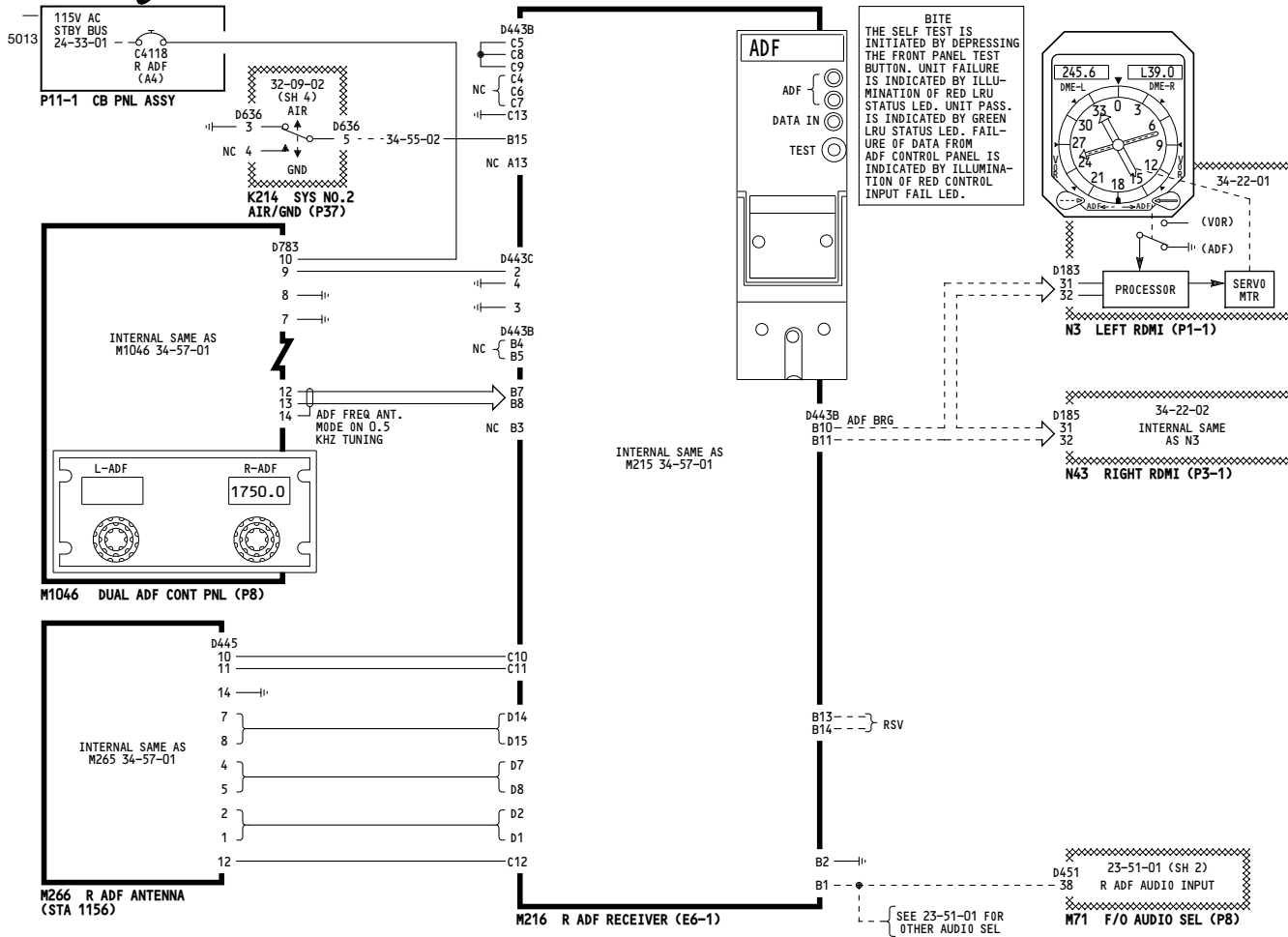


115-199

ADF - LEFT

D280N032S

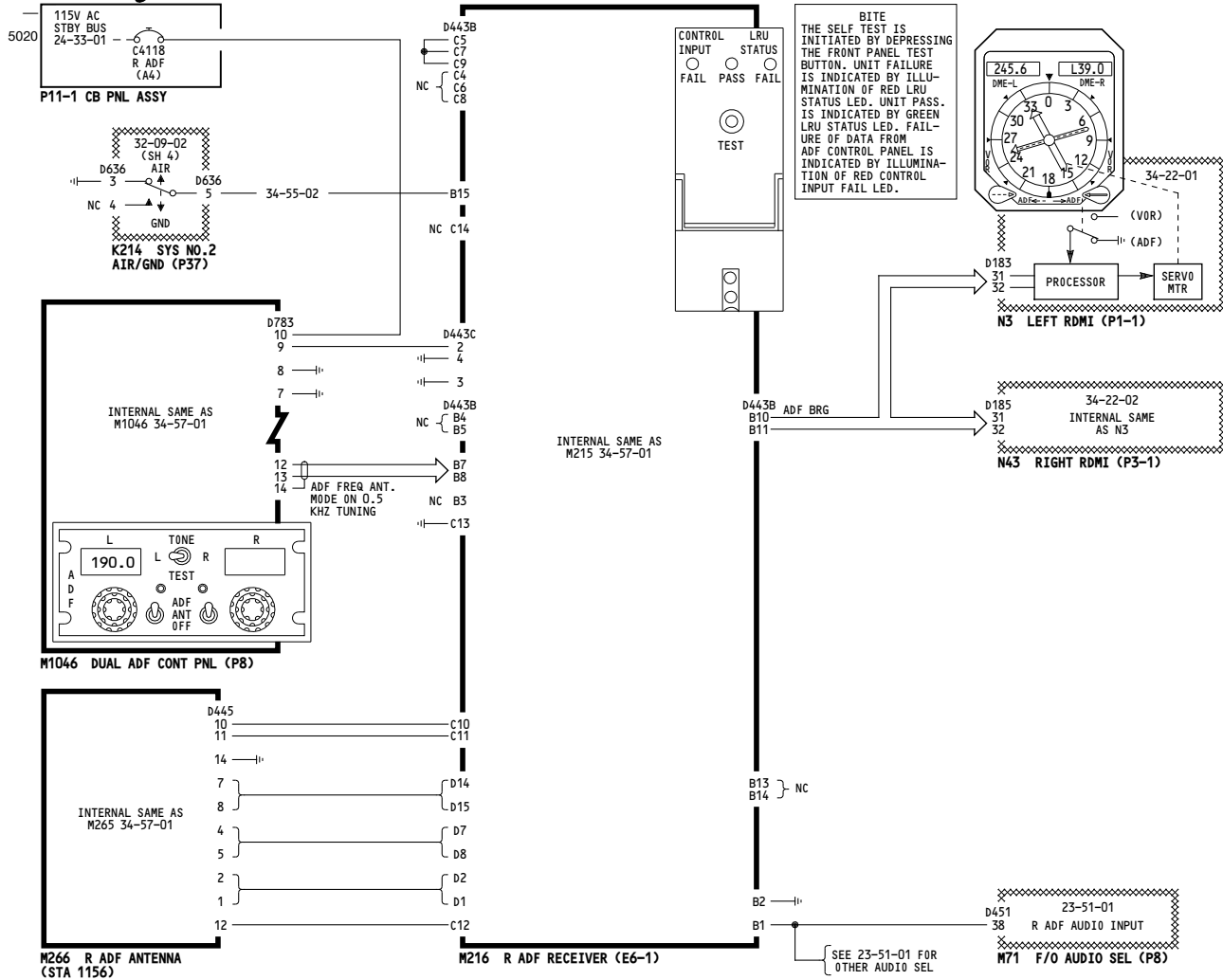
34-57-01



| | |
|-----|---|
| 001 | <p>ADF - RIGHT</p> <p>D280N032S</p> |
|-----|---|

34-57-02

WIRING DIAGRAMS
34-57-21



002-008, 010-099

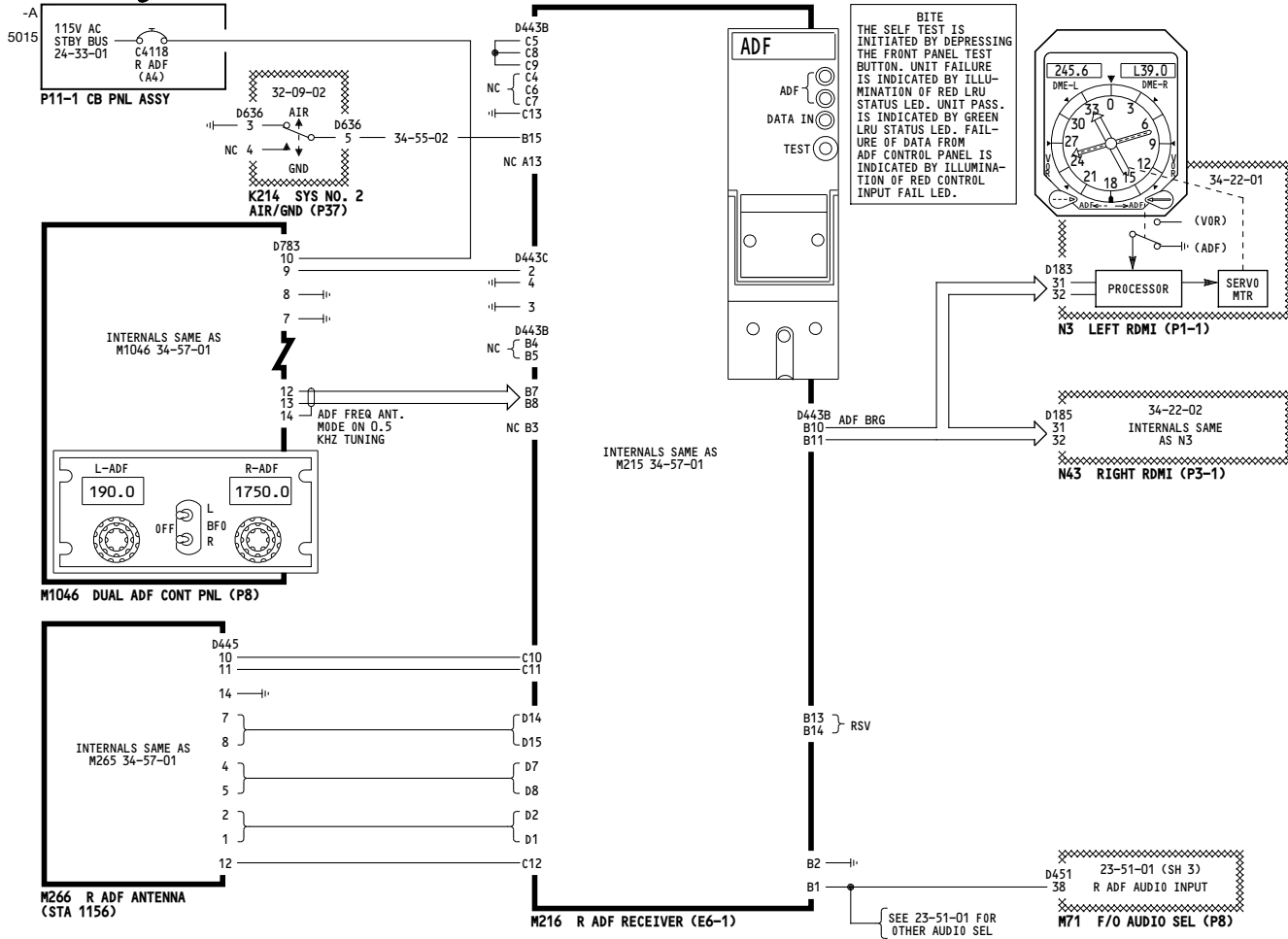
ADF - RIGHT

D280N032S

34-57-02

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009

ADF - RIGHT

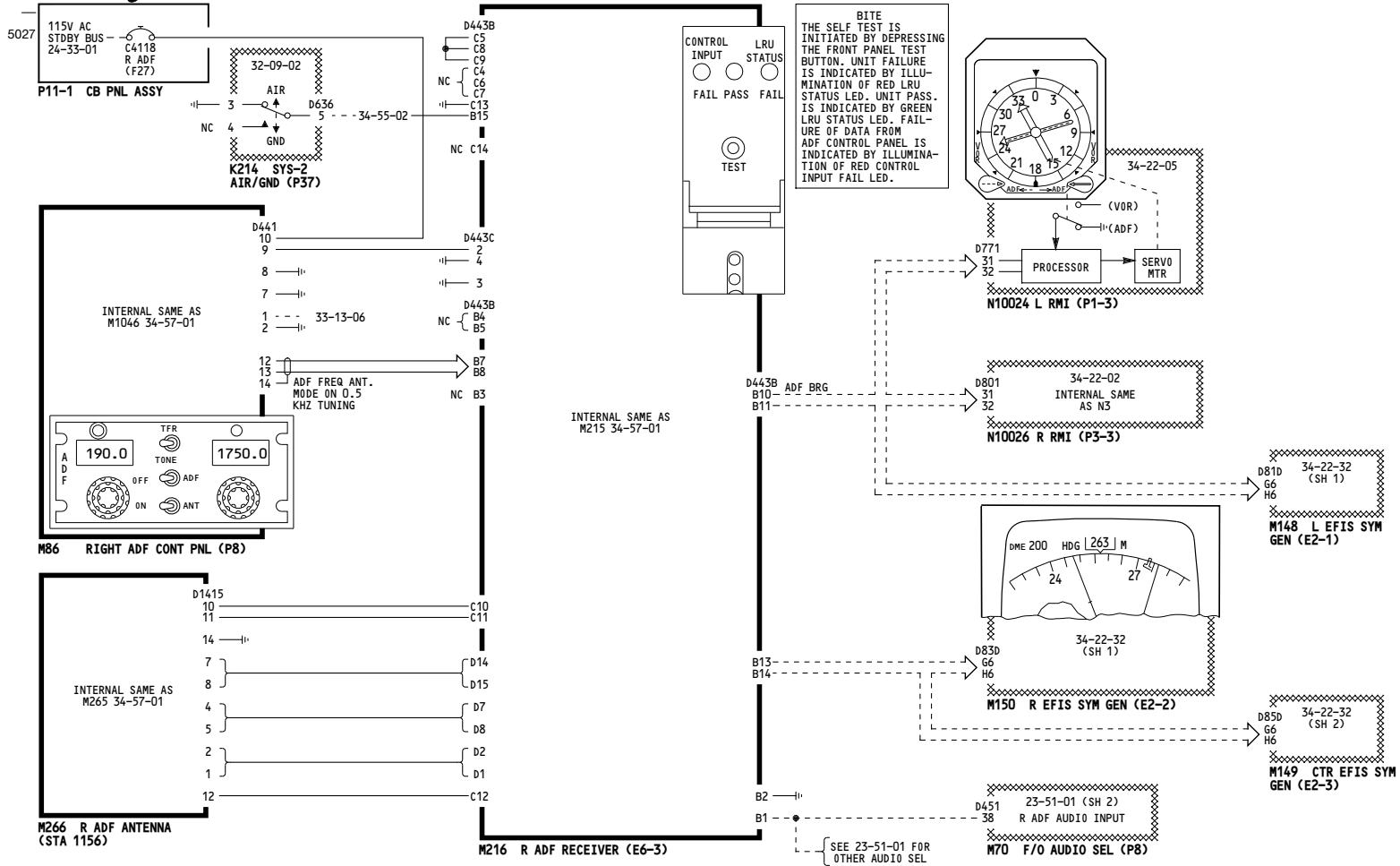
D280N032S

34-57-02

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WIRING DIAGRAMS
34-57-21

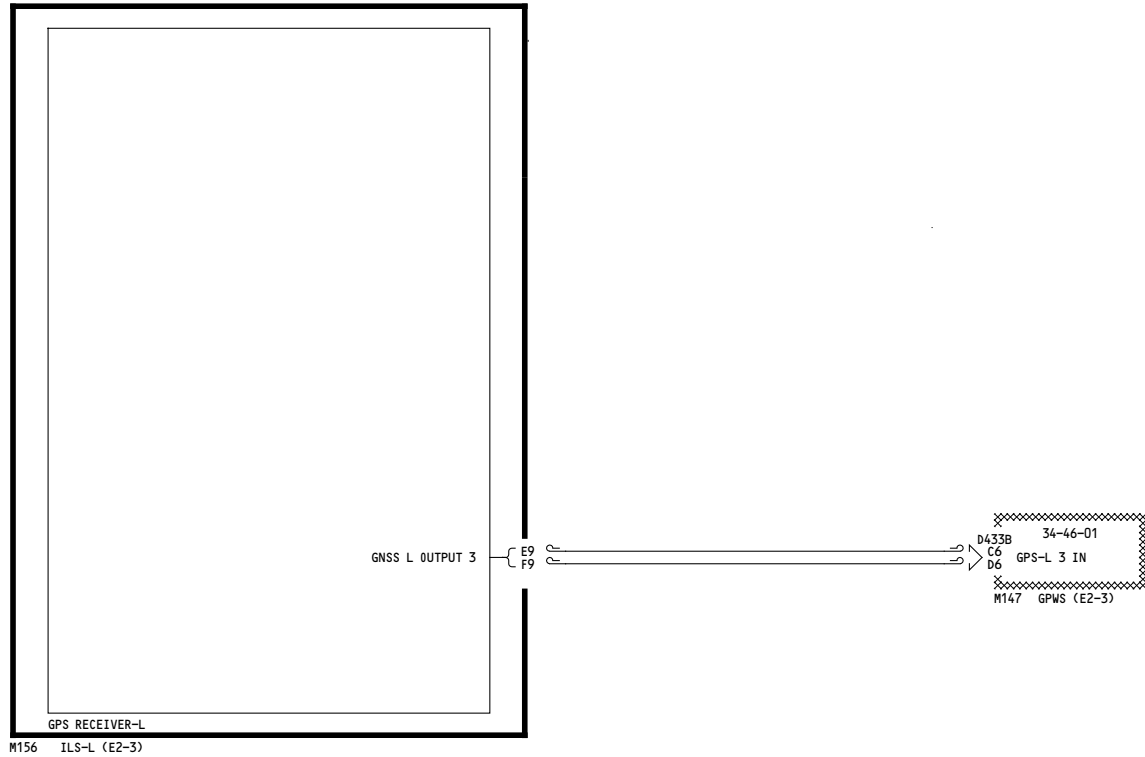


| | |
|---------|--------------------|
| 115-199 | ADF - RIGHT |
| | D280N032S |

34-57-02

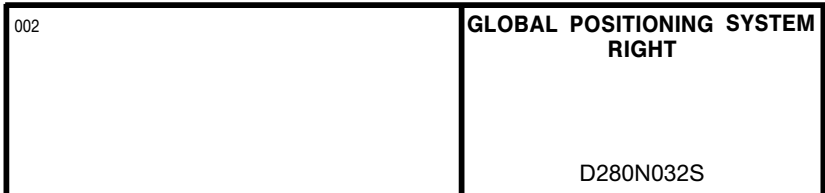
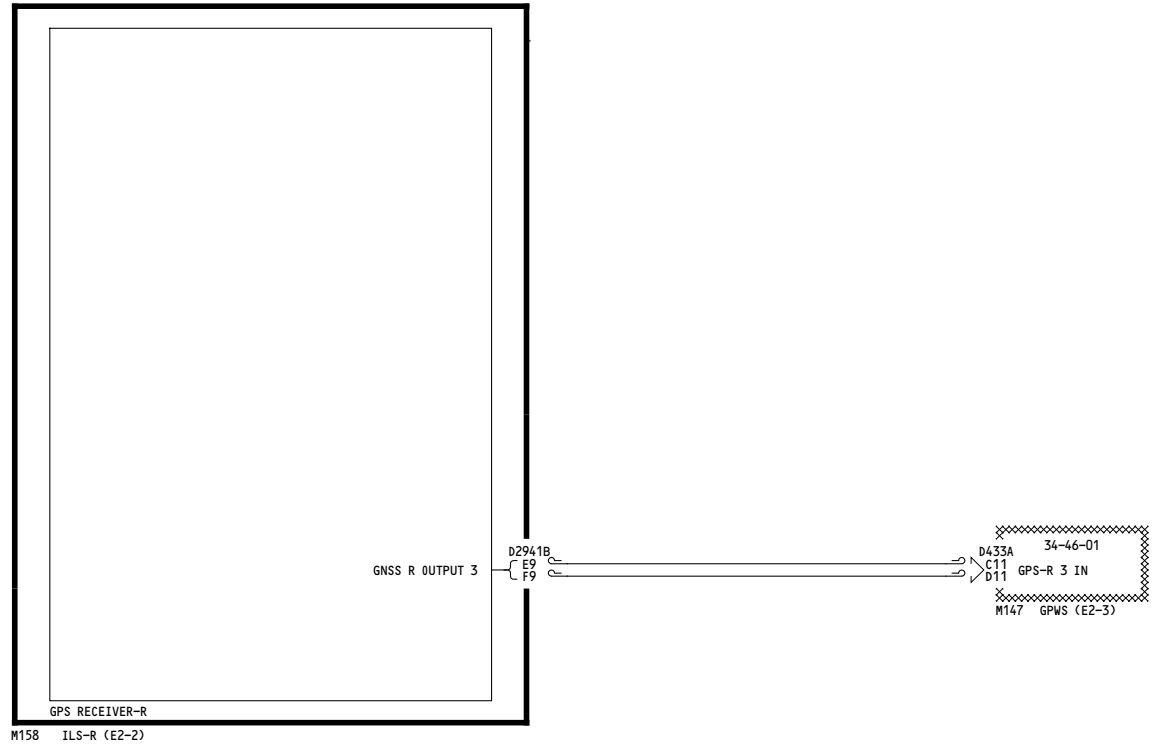
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| | |
|-----|---|
| 002 | <p>GLOBAL POSITIONING SYSTEM LEFT</p> <p>D280N032S</p> |
|-----|---|

Incorporates
▶ 34-0200



Incorporates
34-0200

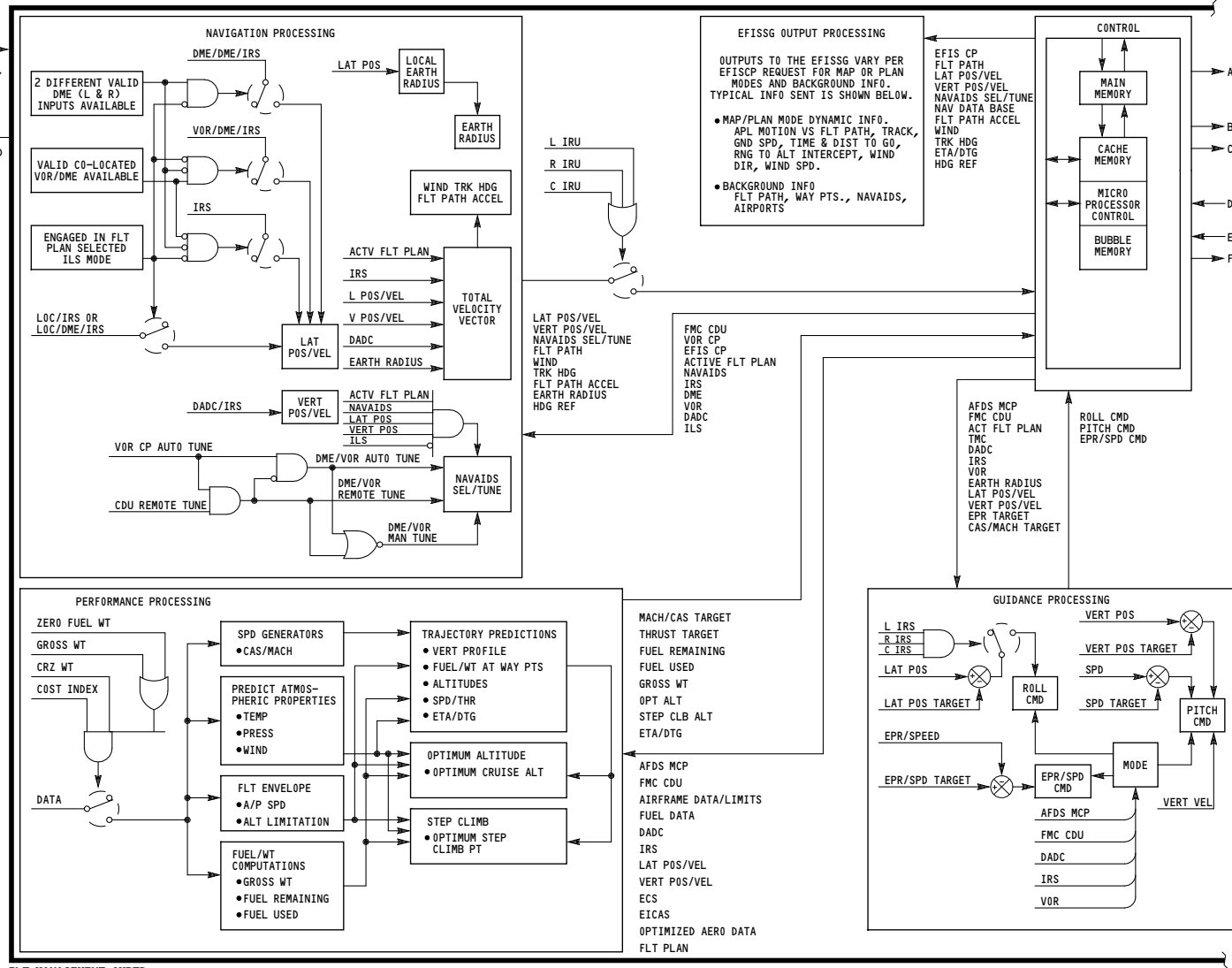
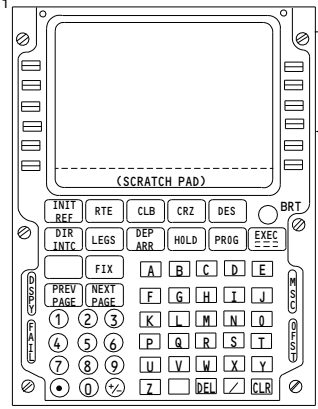
34-58-02

Page 101.1

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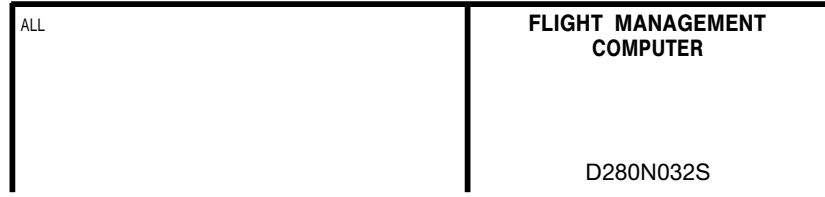
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5111



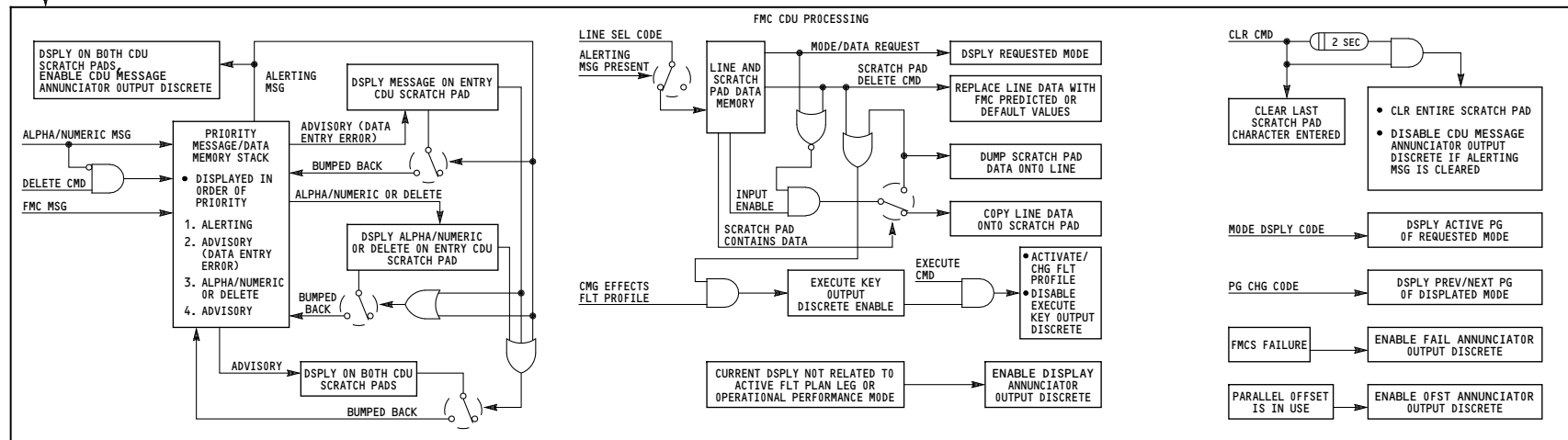
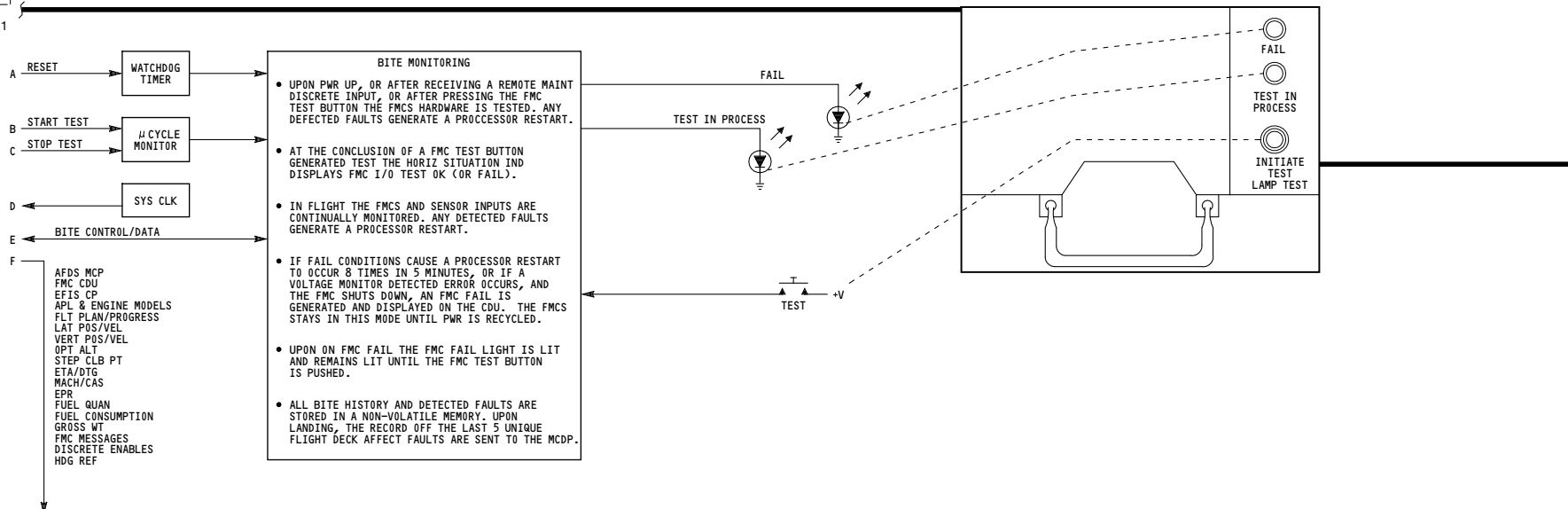
NOTES:
 1 TYPICAL FOR
 L FMC, M134 (E2-1)
 R FMC, M135 (E2-2)

1 FLT MANAGEMENT CMPTR



34-60-01

5111

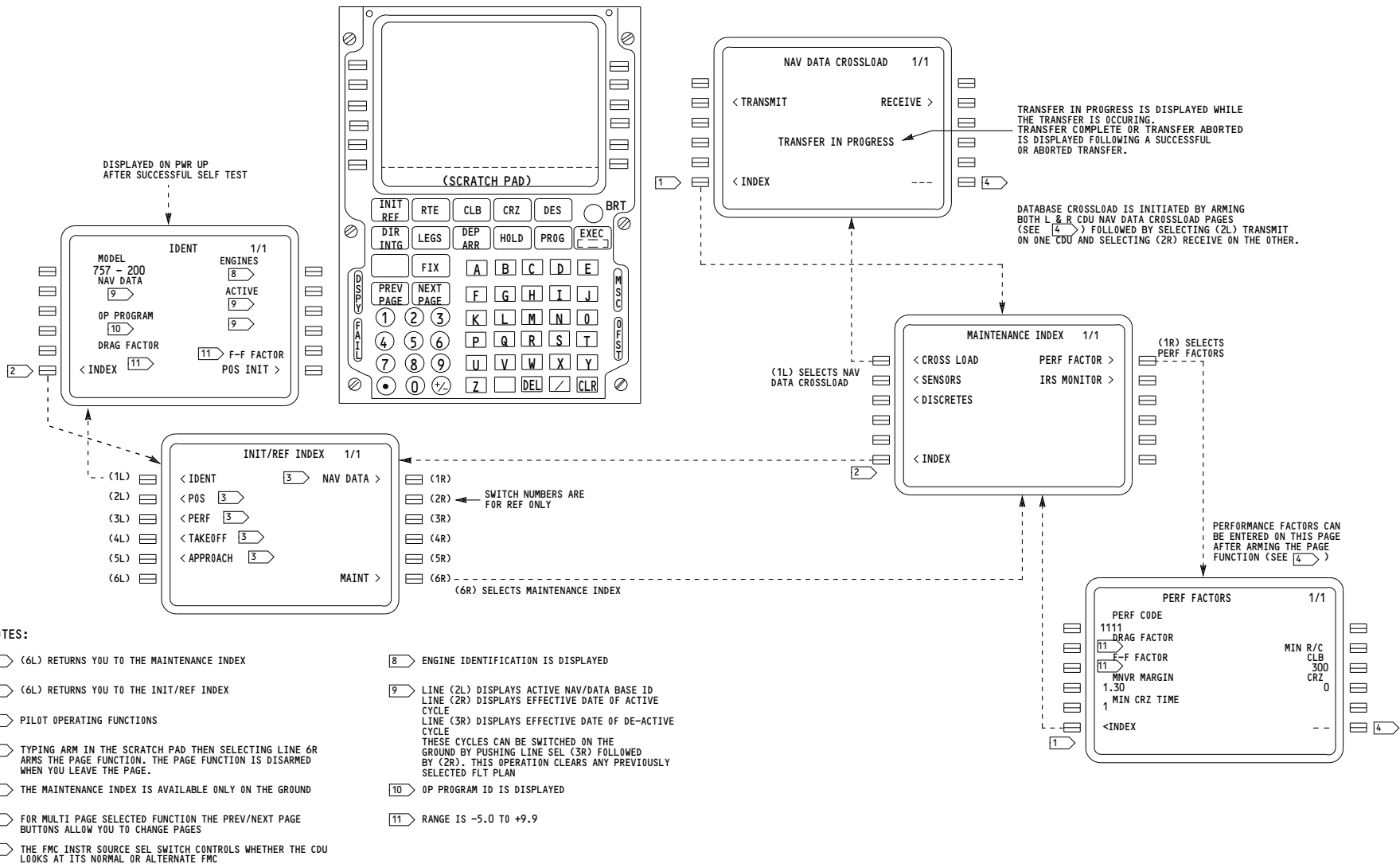


FLT MANAGEMENT CMPTR

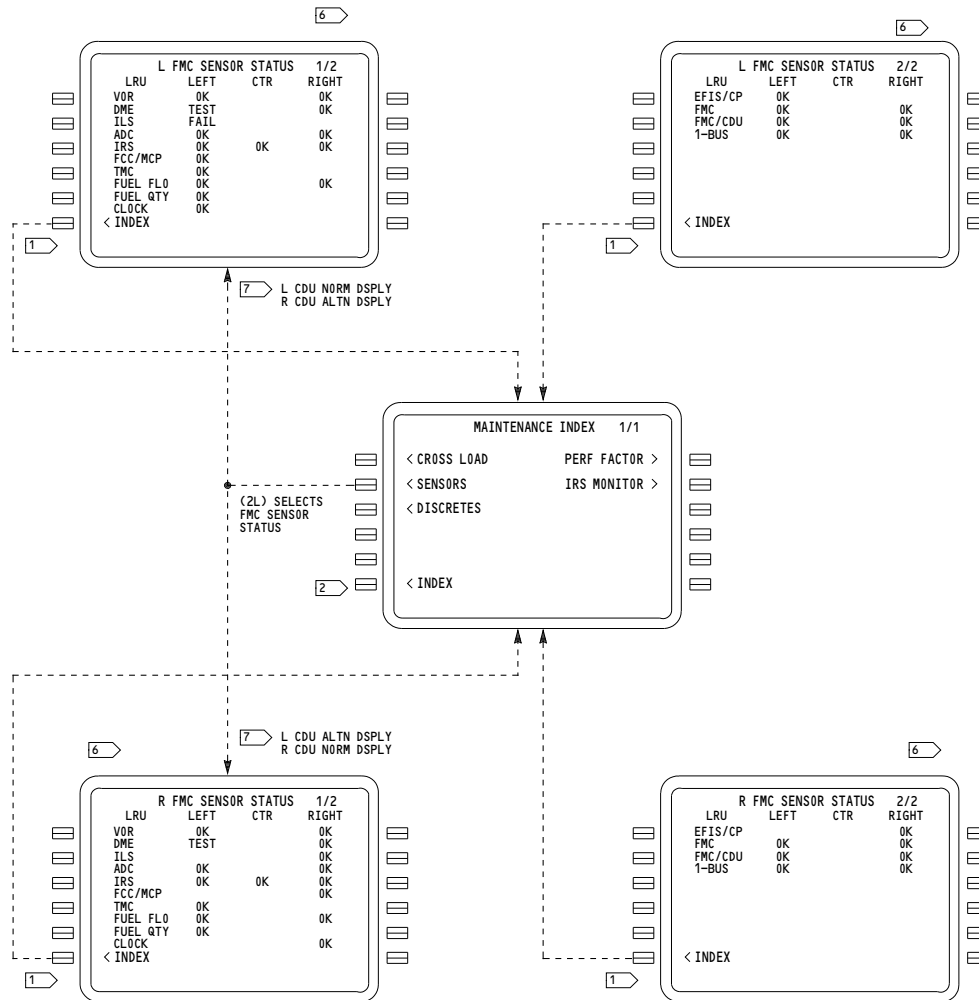
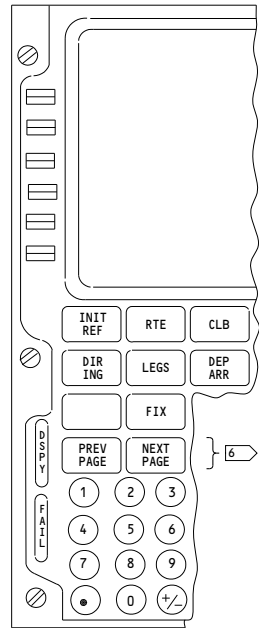
| | |
|-----|---|
| ALL | <p>FLIGHT MANAGEMENT COMPUTER</p> <p>D280N032S</p> |
|-----|---|

34-60-01

5101



| | |
|------------------|-------------------------------|
| 001-008, 010-099 | FMCS MAINTENANCE INDEX |
| D280N032S | |



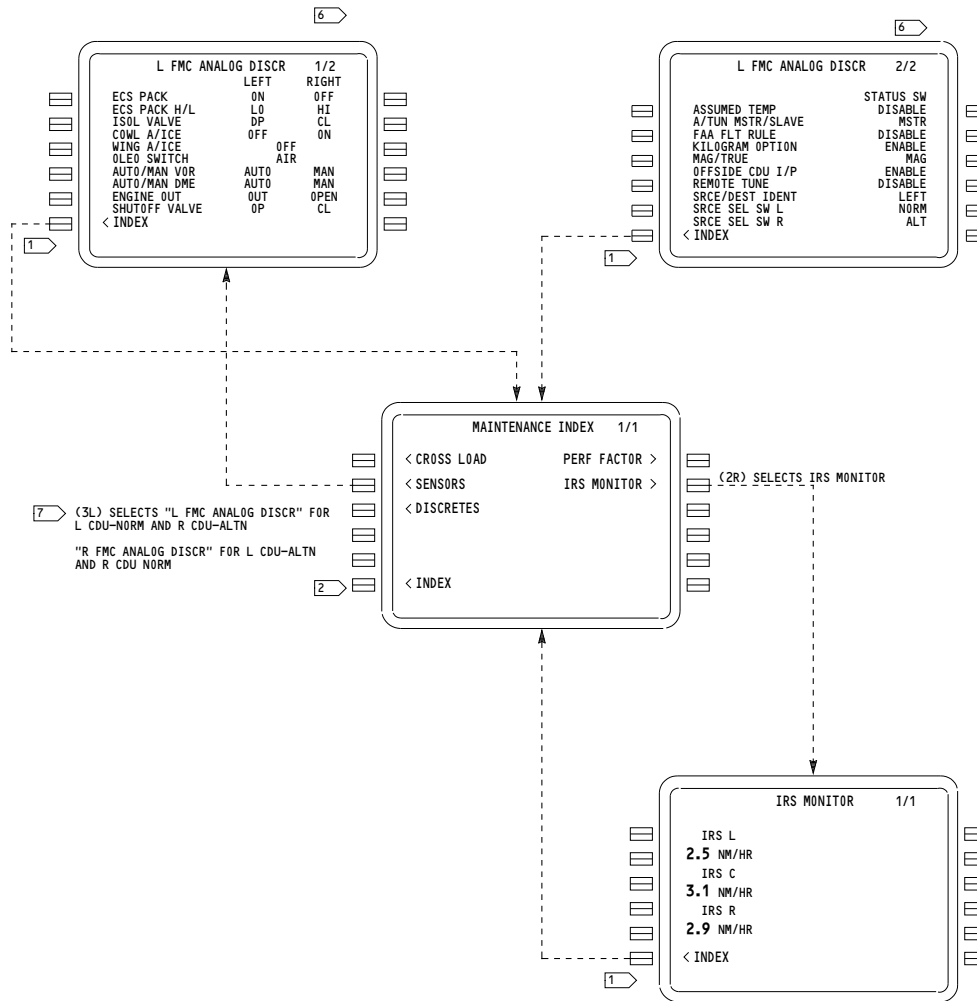
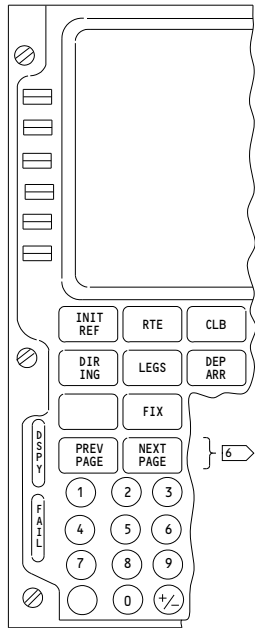
001-008, 010-099

FMCS MAINTENANCE INDEX

D280N032S

34-60-02

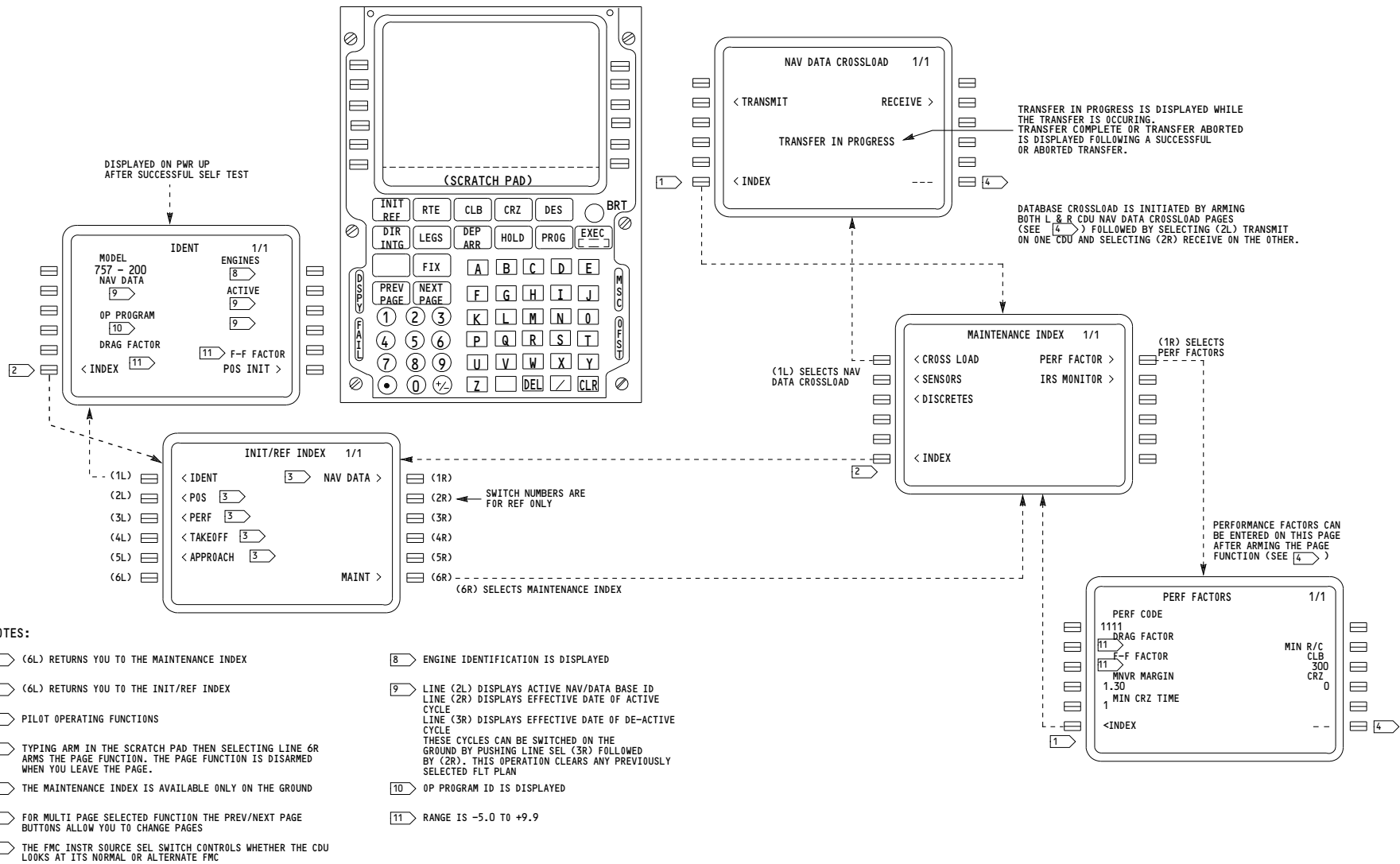
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| | |
|------------------|---|
| 001-008, 010-099 | <p align="center">FMCS MAINTENANCE INDEX</p> <p align="center">D280N032S</p> |
|------------------|---|

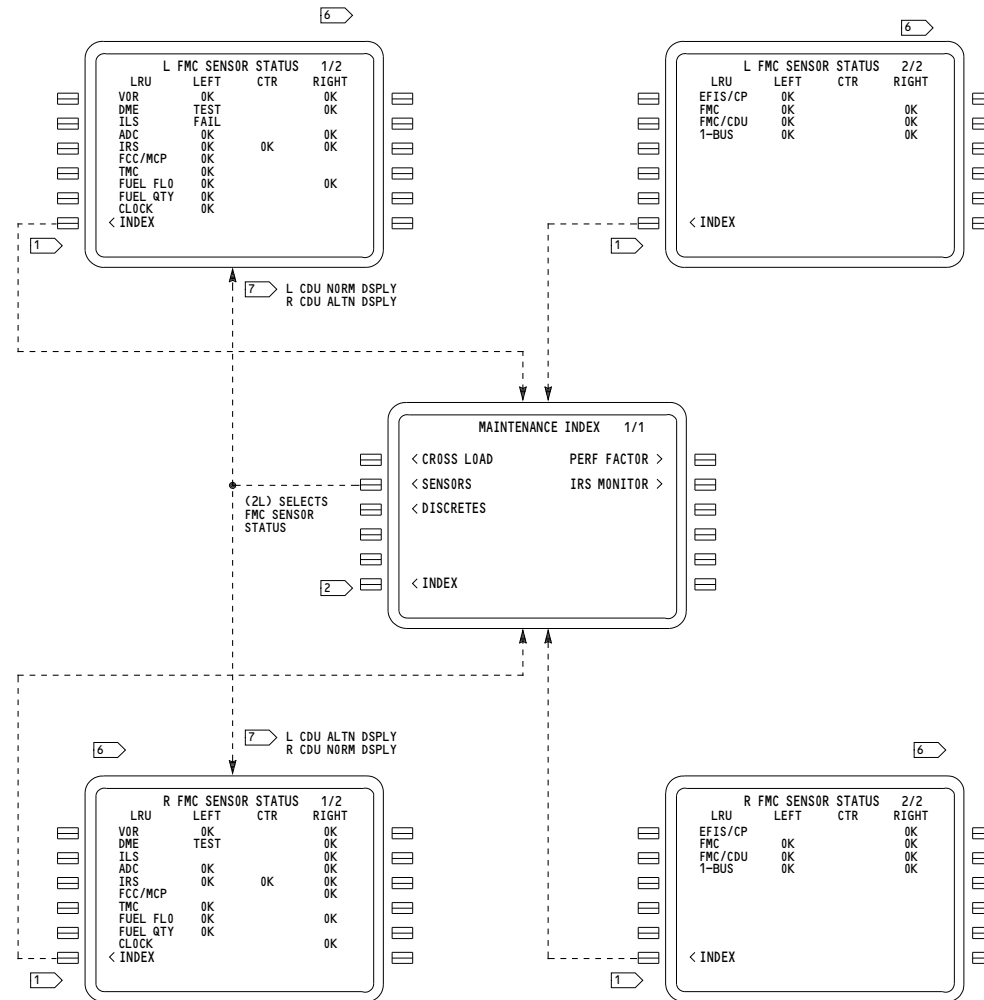
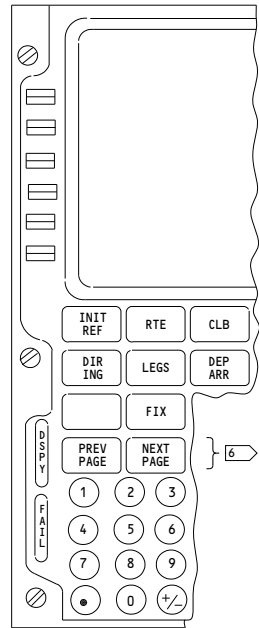
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5101



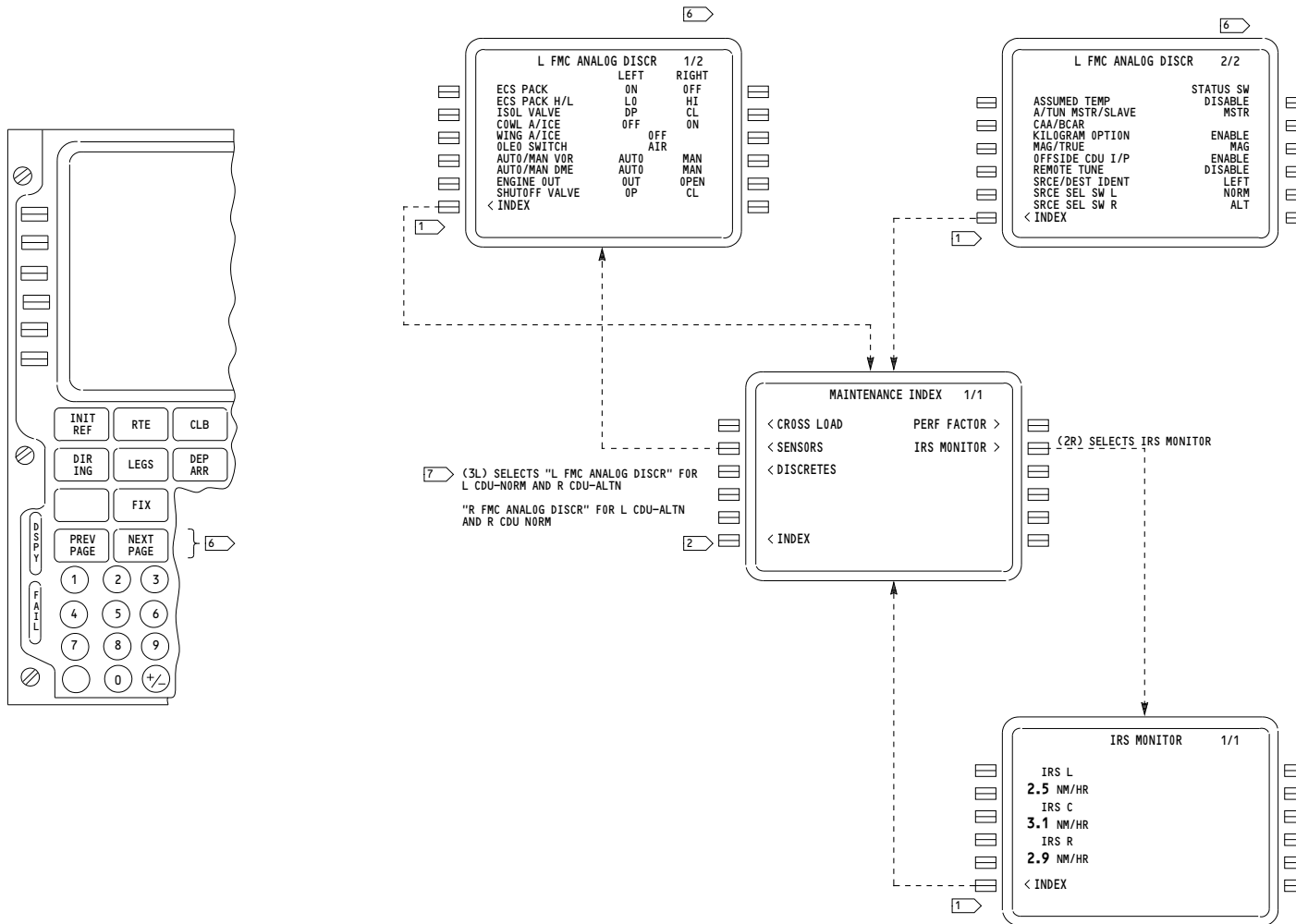
| | |
|-----------|-------------------------------|
| 009 | FMCS MAINTENANCE INDEX |
| D280N032S | |

34-60-02



| | |
|-----------|-------------------------------|
| 009 | FMCS MAINTENANCE INDEX |
| D280N032S | |

5131



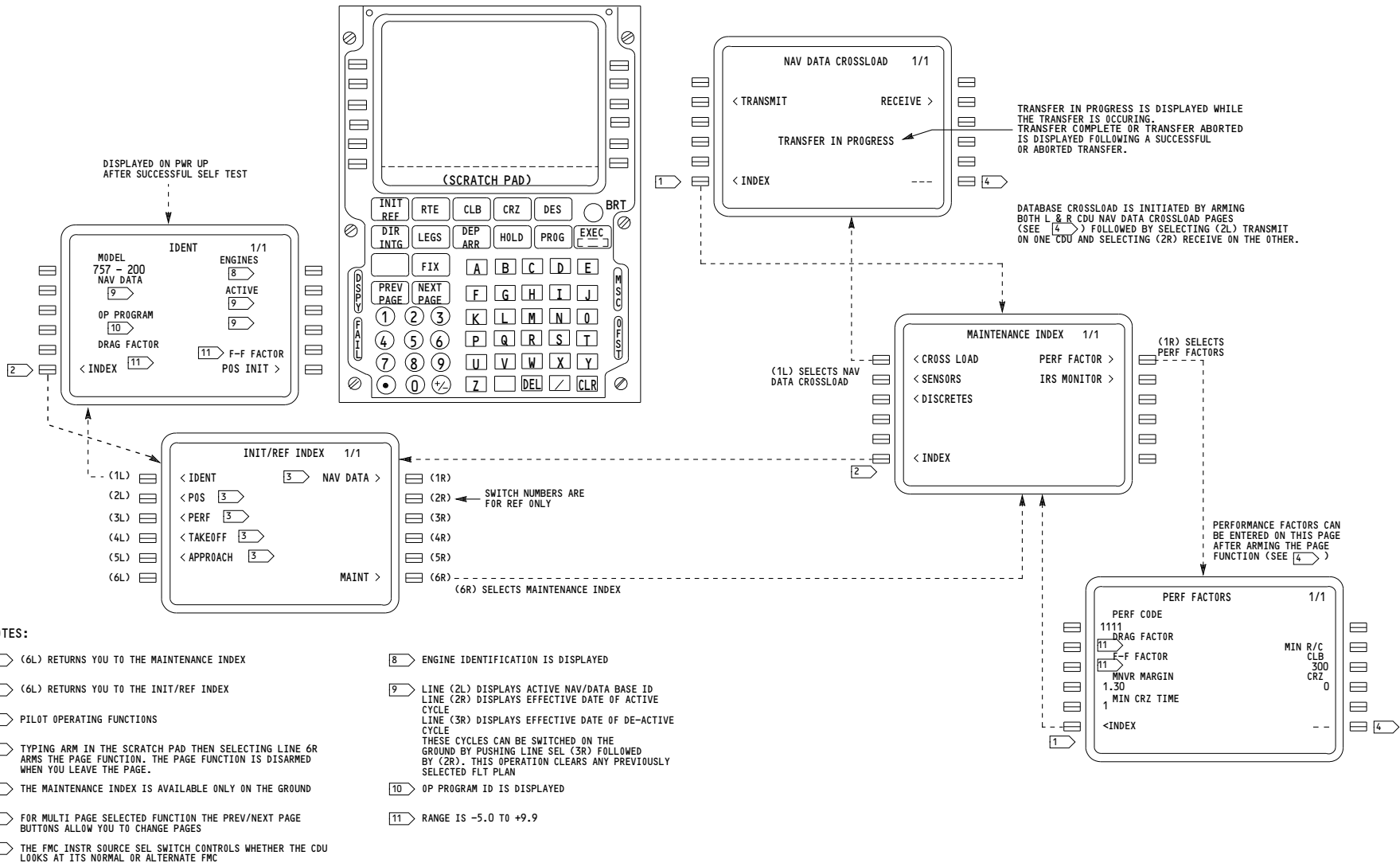
| | |
|-----|-------------------------------|
| 009 | FMCS MAINTENANCE INDEX |
| | D280N032S |

34-60-02

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5101



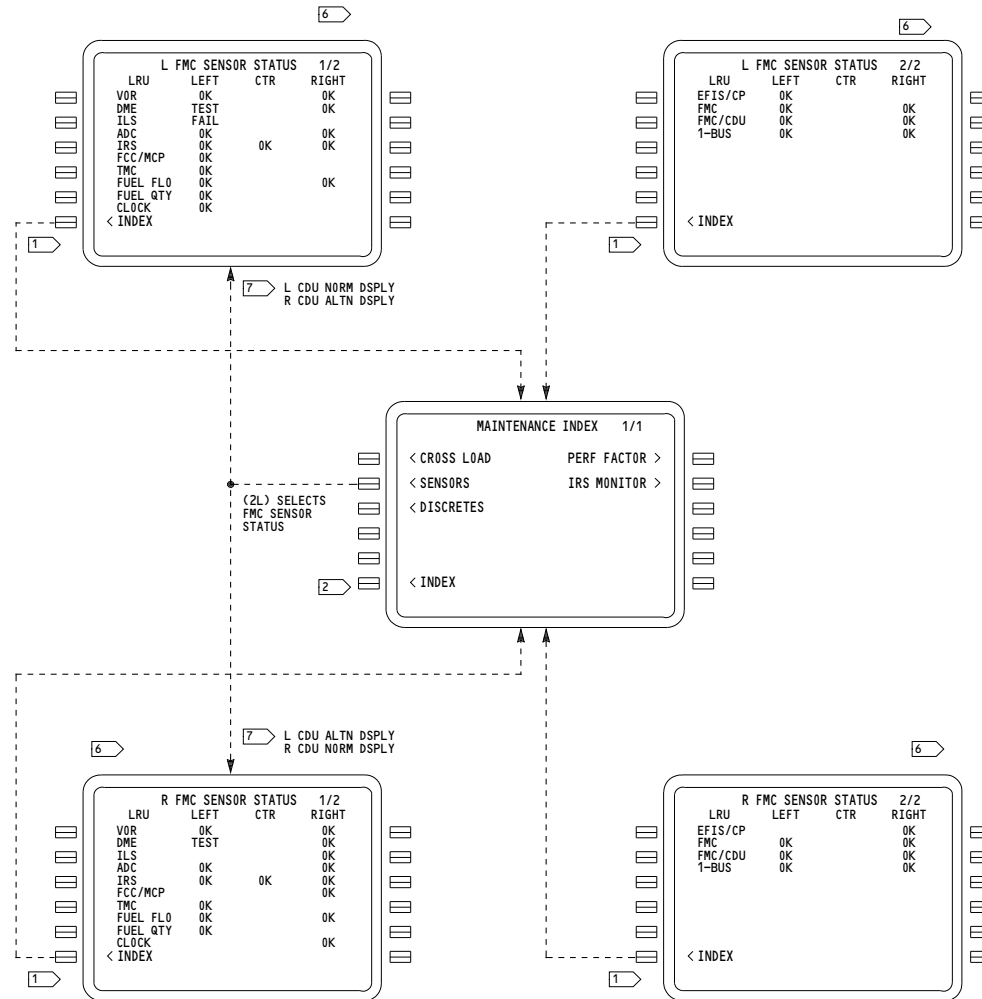
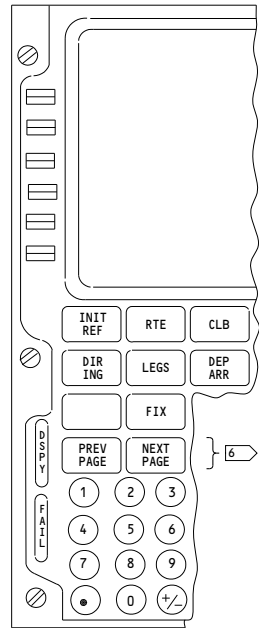
115-199

FMCS MAINTENANCE INDEX

D280N032S

34-60-02

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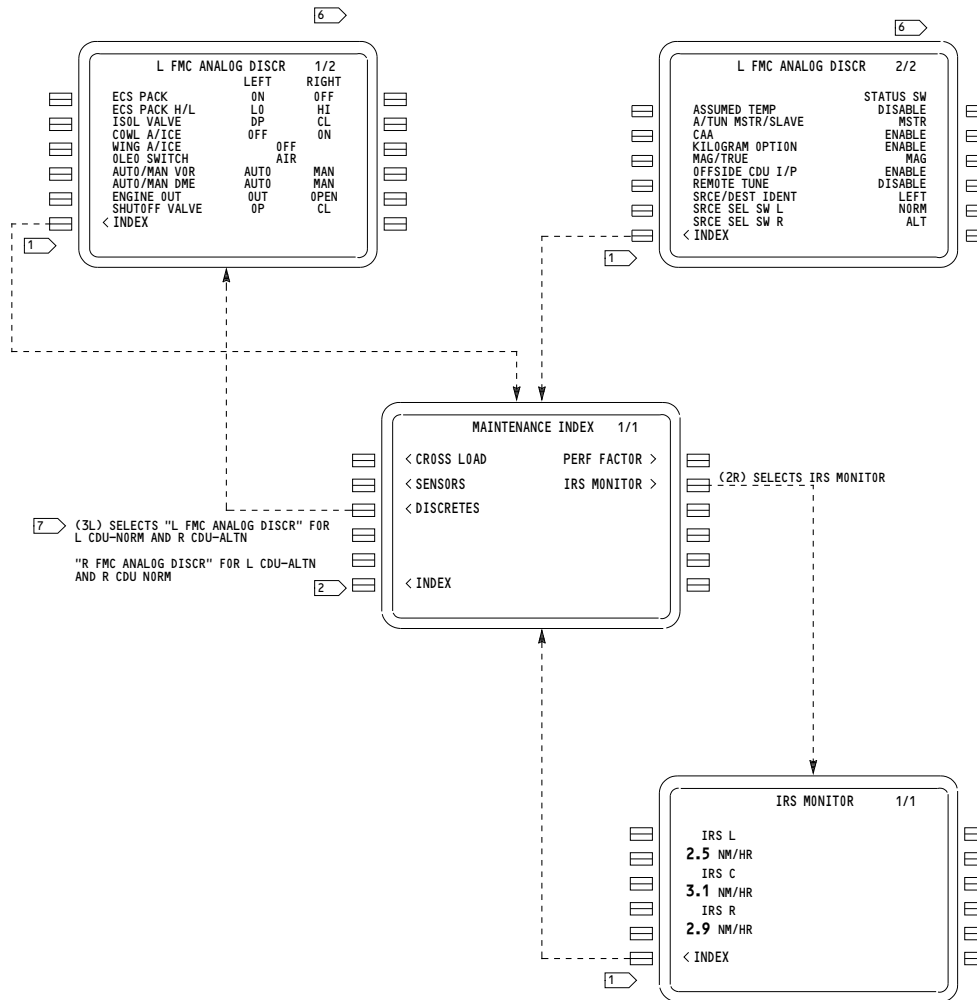
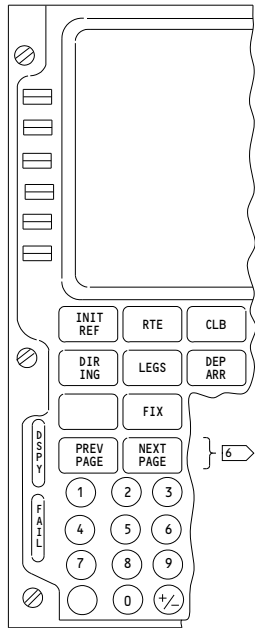
115-199

FMCS MAINTENANCE INDEX

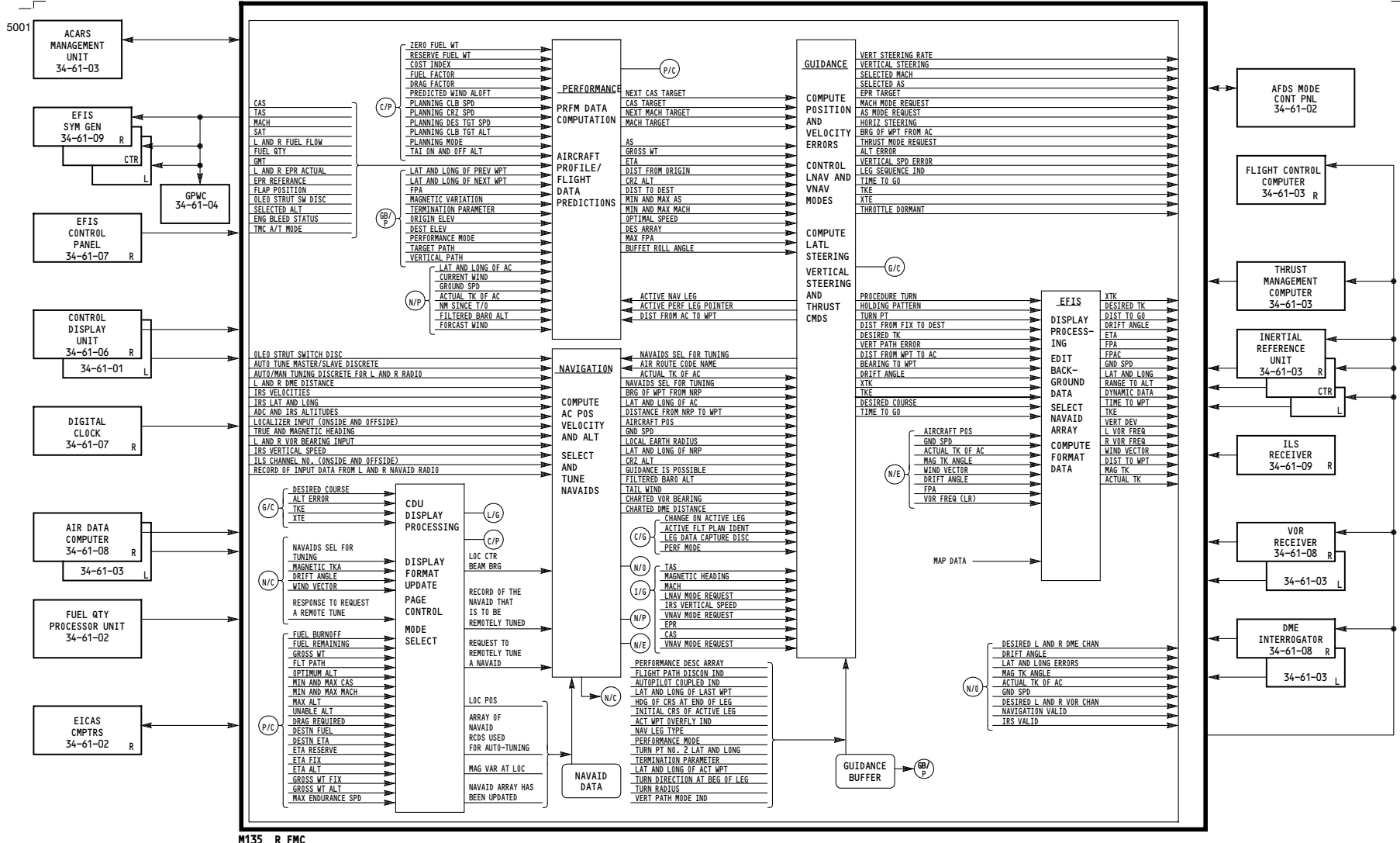
D280N032S

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M135 R FMC

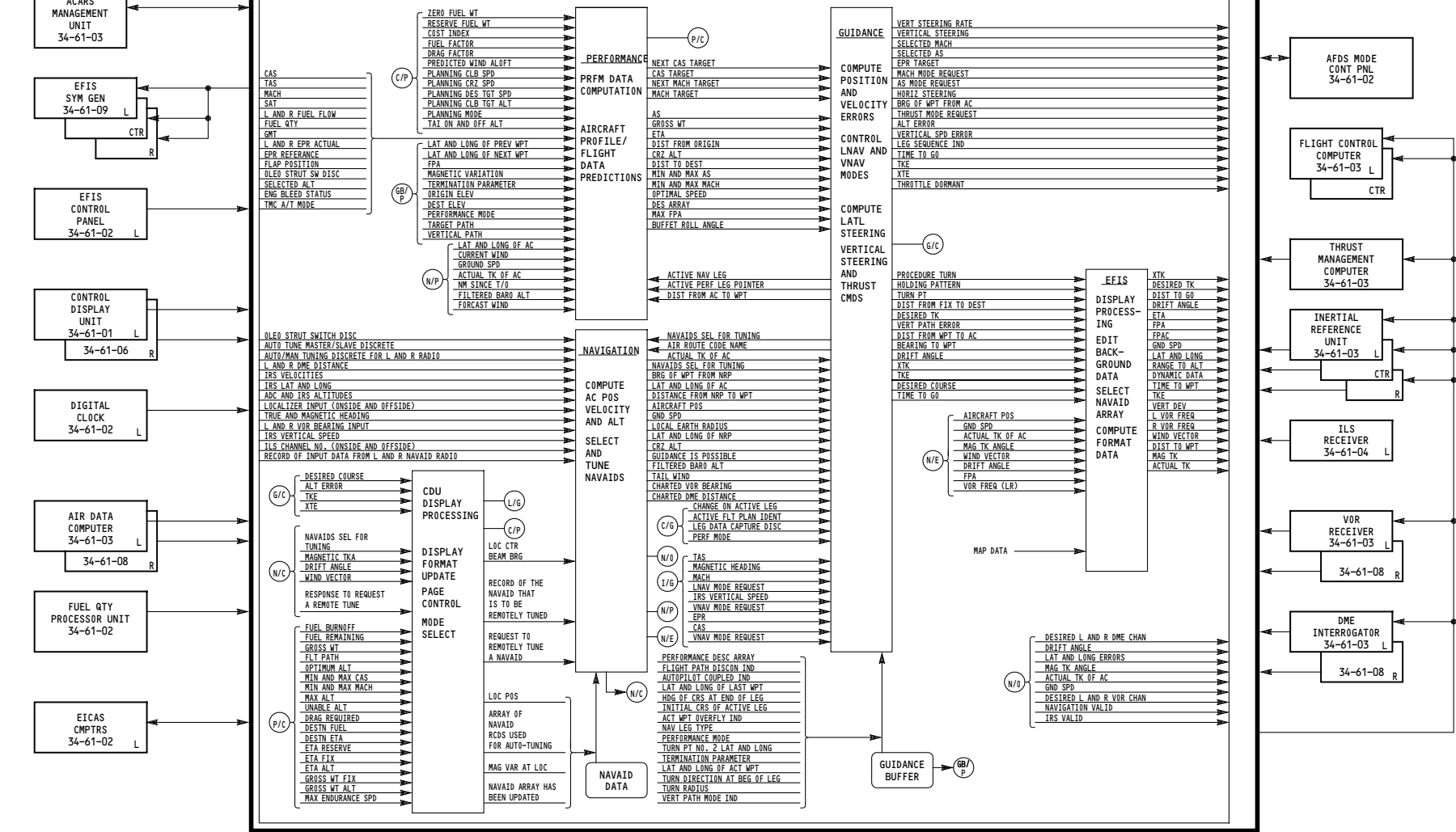
001-099

FLIGHT MANAGEMENT CMPTR SYSTEM (LEFT - RIGHT FMCS) - SIMPLIFIED

D280N032S

34-61-00

5000



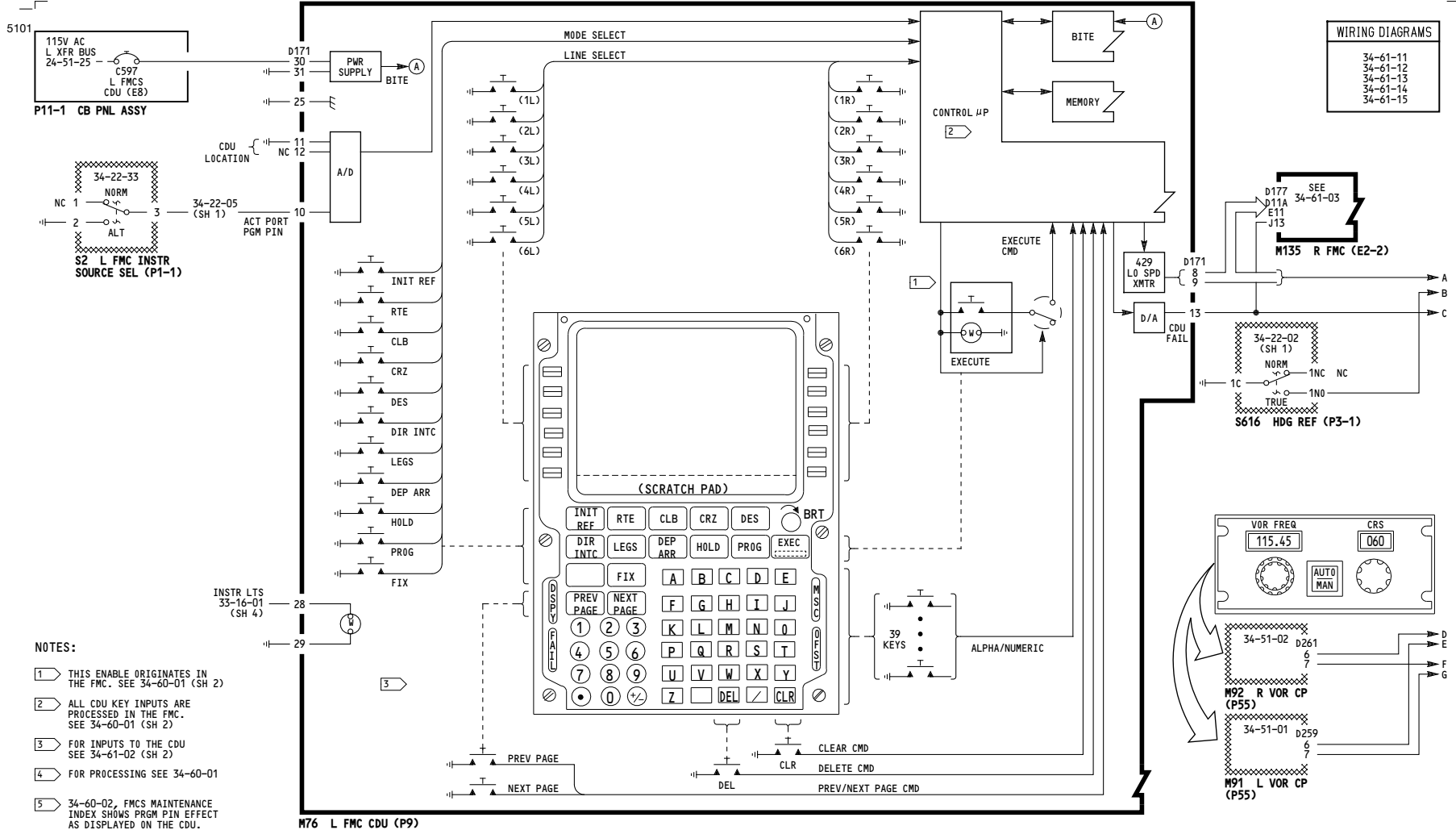
M134 L FMC

001-099

FLIGHT MANAGEMENT CMPTR SYSTEM (LEFT - RIGHT FMCS) - SIMPLIFIED

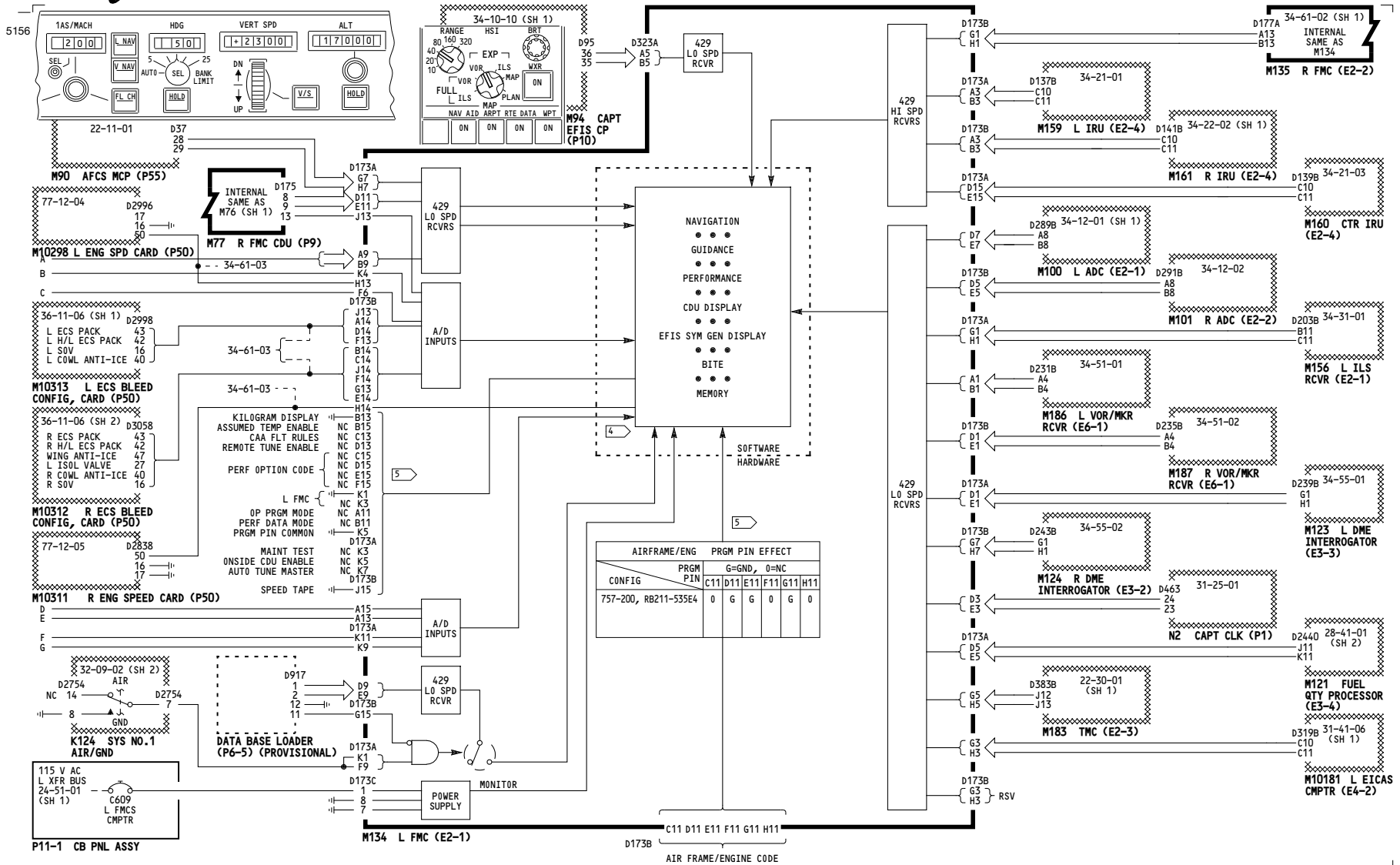
D280N032S

34-61-00



| | |
|------------------|--|
| 001-008, 010-099 | <p align="center">LEFT FMC INPUTS</p> <p align="center">D280N032S</p> |
|------------------|--|

34-61-01

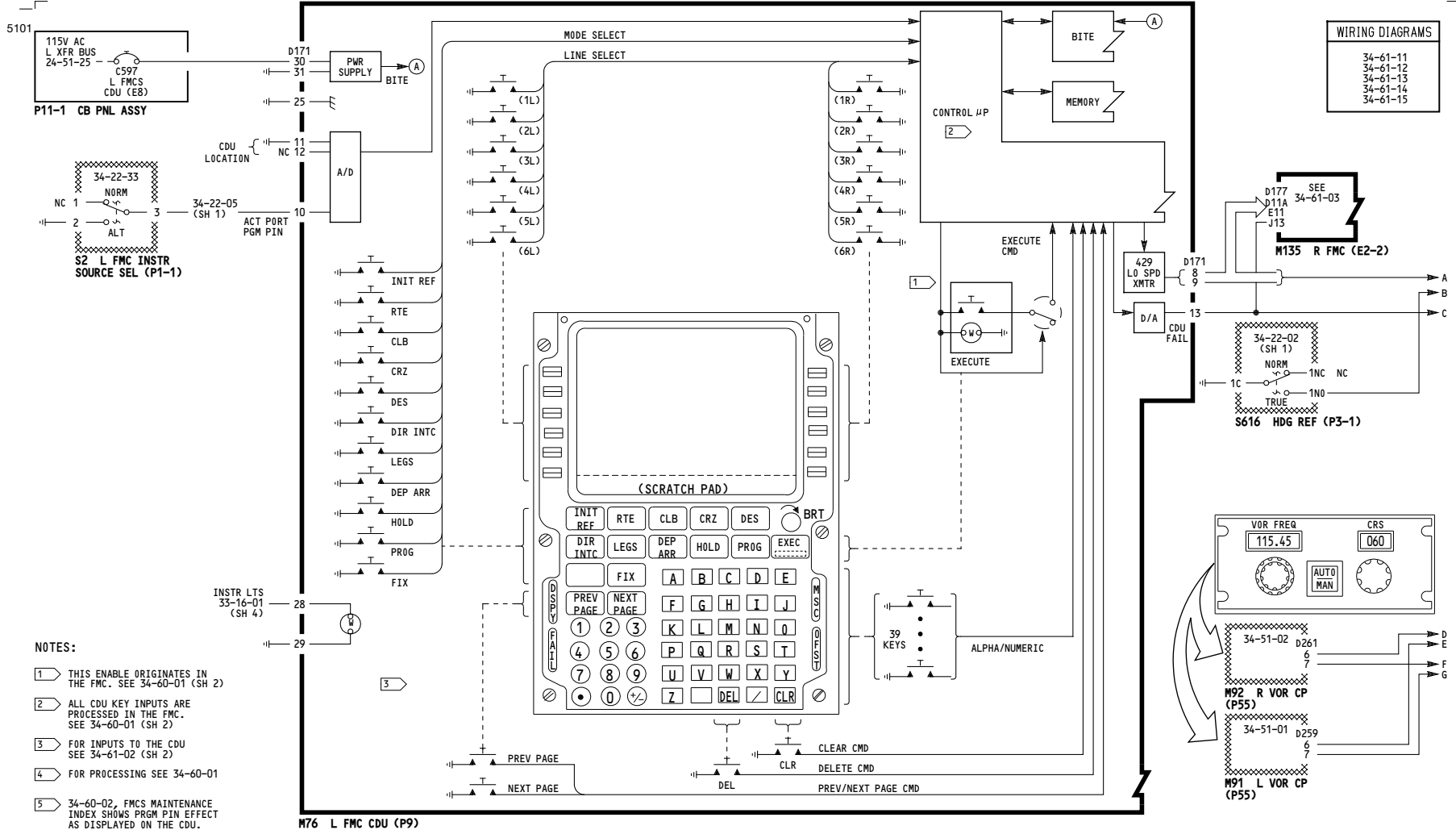


001-008, 010-099

LEFT FMC INPUTS

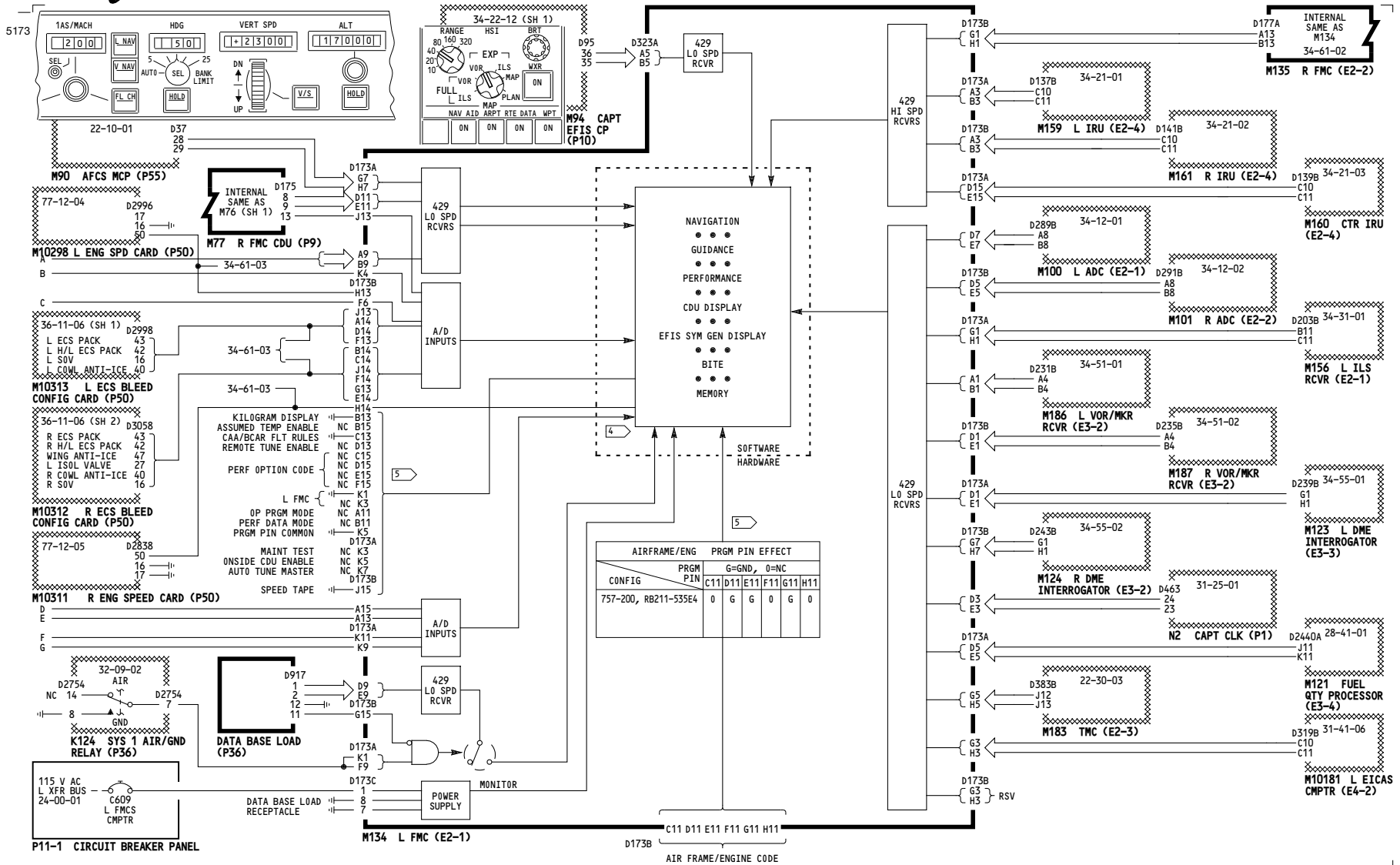
D280N032S

34-61-01



| | |
|-----|---|
| 009 | <p>LEFT FMC INPUTS</p> <p>D280N032S</p> |
|-----|---|

34-61-01

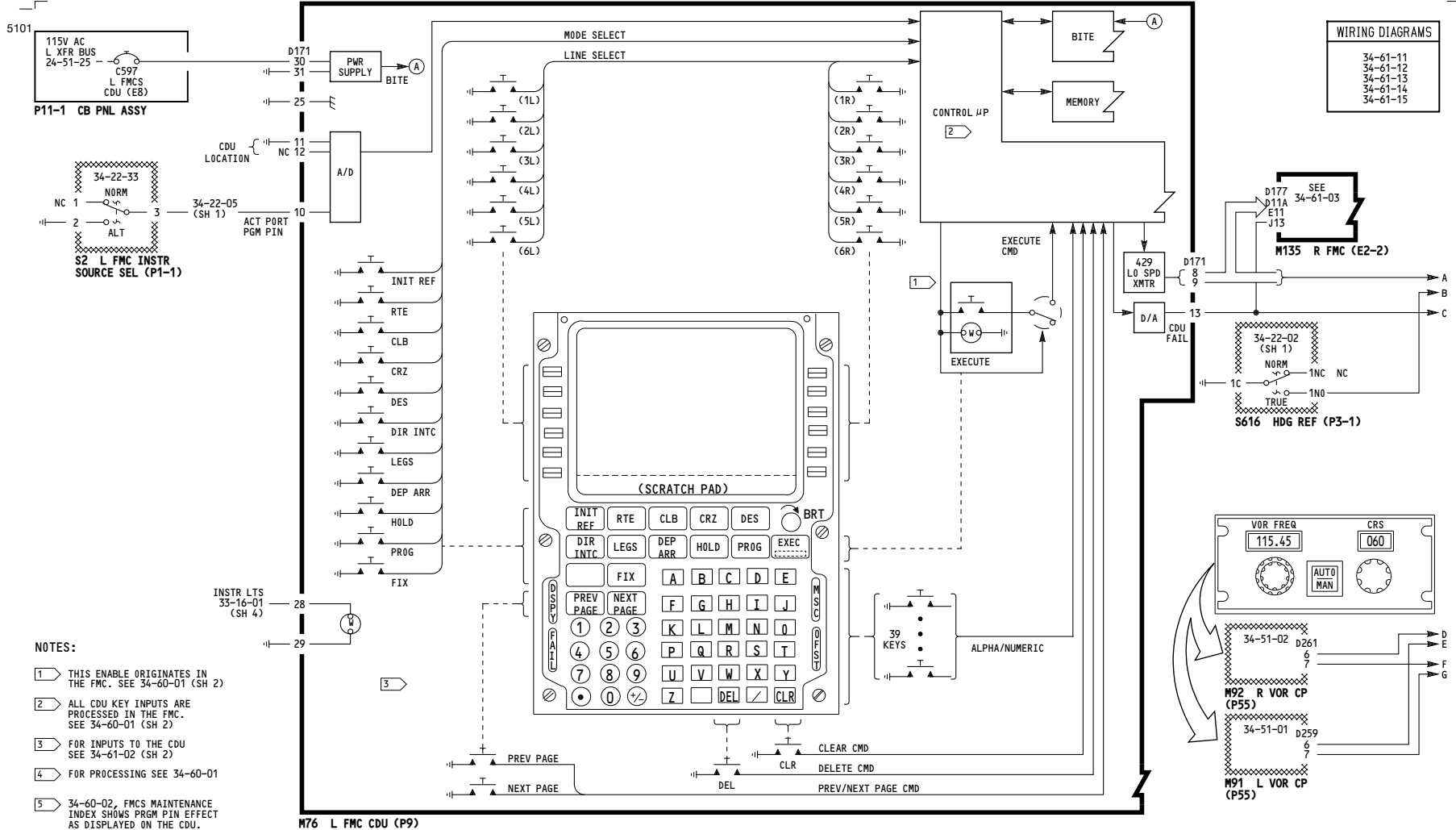


009

LEFT FMC INPUTS

D280N032S

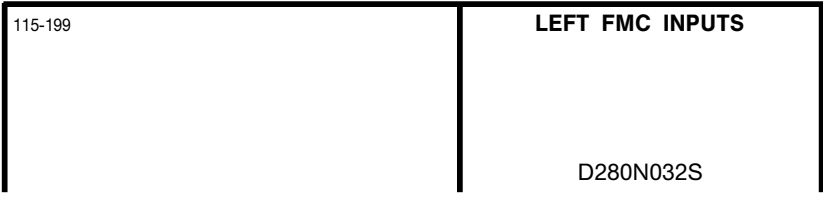
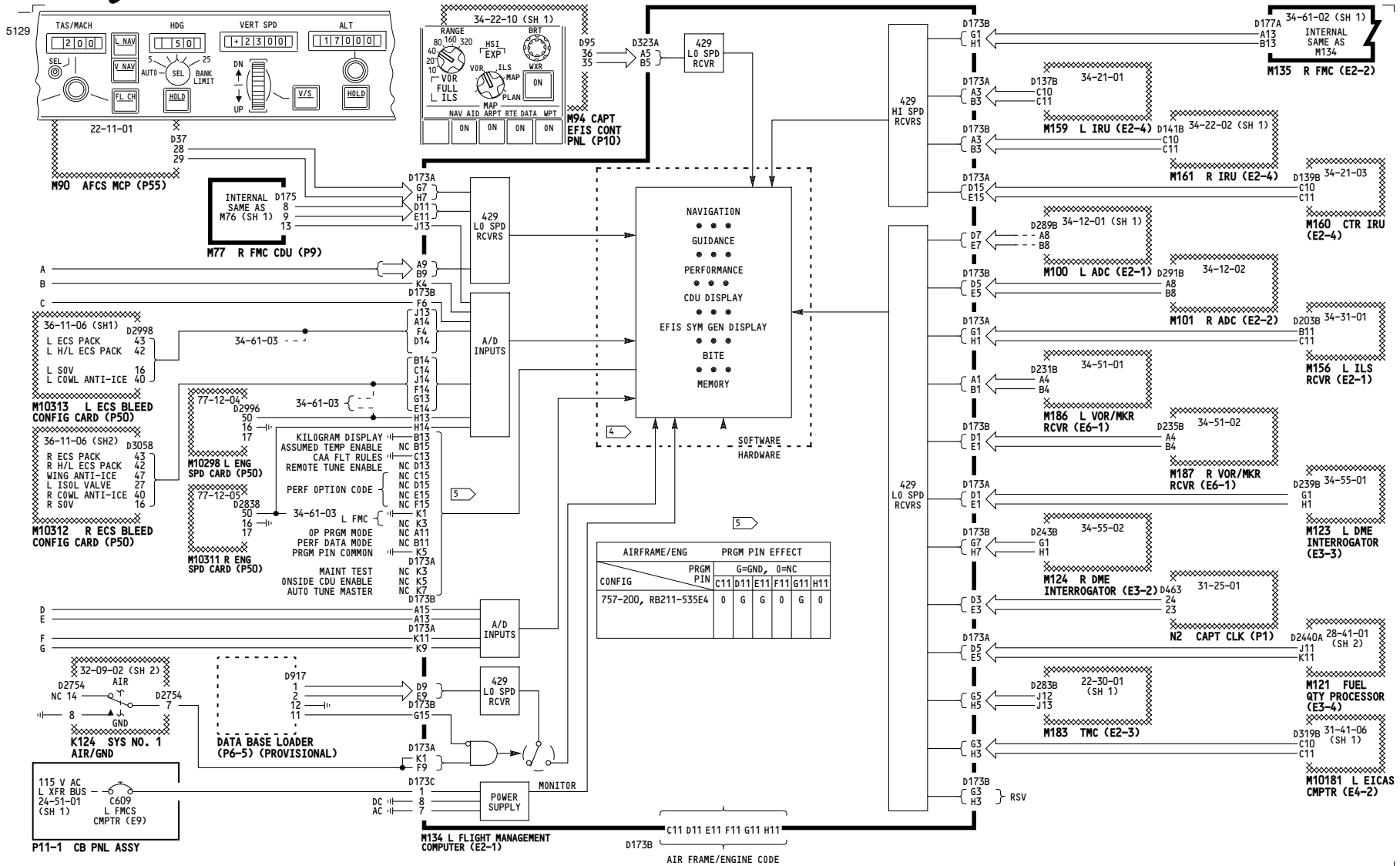
34-61-01



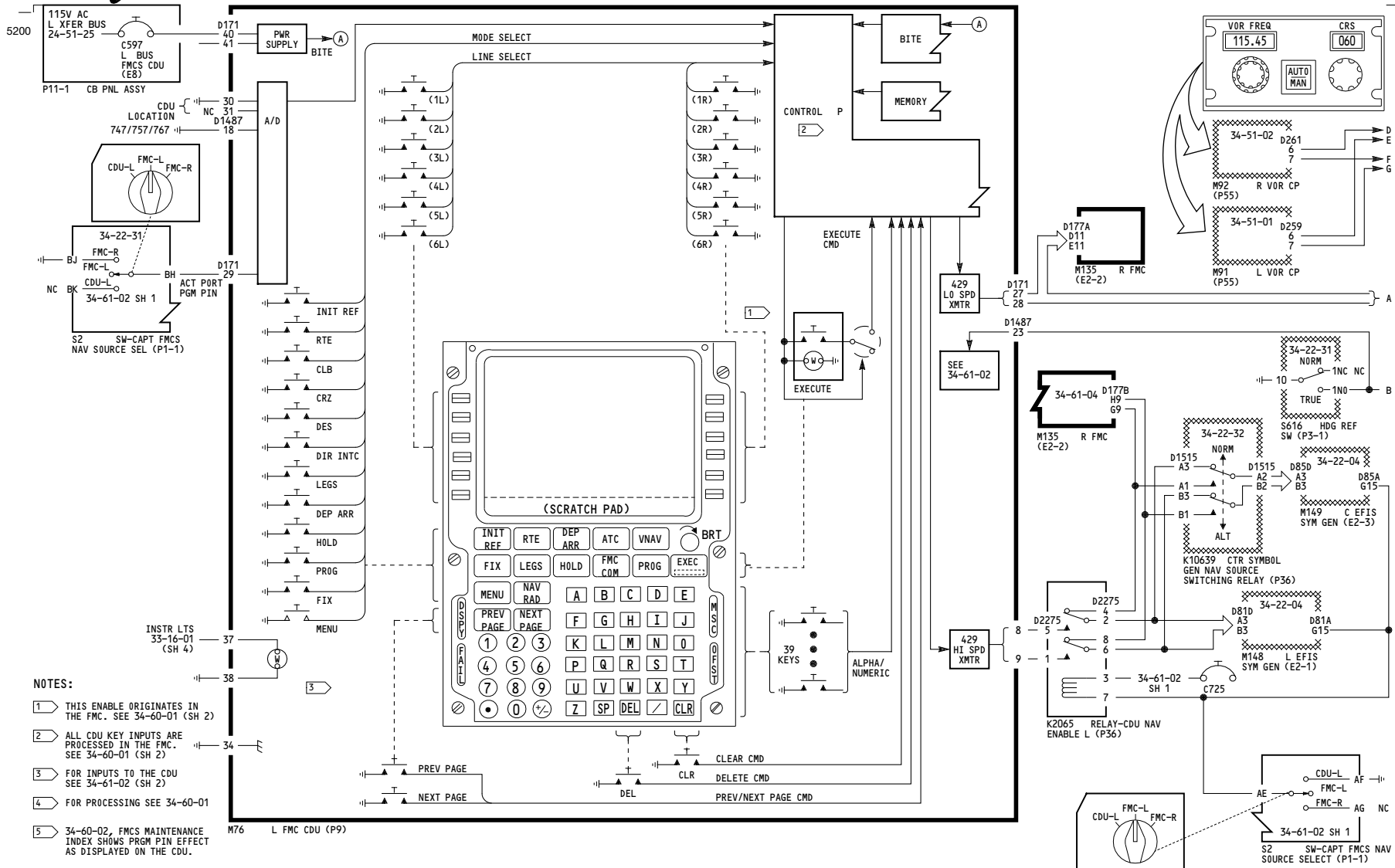
- NOTES:**
- THIS ENABLE ORIGINATES IN THE FMC. SEE 34-60-01 (SH 2)
 - ALL CDU KEY INPUTS ARE PROCESSED IN THE FMC. SEE 34-60-01 (SH 2)
 - FOR INPUTS TO THE CDU SEE 34-61-02 (SH 2)
 - FOR PROCESSING SEE 34-60-01
 - 34-60-02, FMCs MAINTENANCE INDEX SHOWS PRGM PIN EFFECT AS DISPLAYED ON THE CDU.

| | |
|---------|------------------------|
| 115-199 | LEFT FMC INPUTS |
| | D280N032S |

34-61-01



34-61-01



NOTES:

- 1 THIS ENABLE ORIGINATES IN THE FMC. SEE 34-60-01 (SH 2)
- 2 ALL CDU KEY INPUTS ARE PROCESSED IN THE FMC. SEE 34-60-01 (SH 2)
- 3 FOR INPUTS TO THE CDU SEE 34-61-02 (SH 2)
- 4 FOR PROCESSING SEE 34-60-01
- 5 34-60-02, FMCs MAINTENANCE INDEX SHOWS PRGM PIN EFFECT AS DISPLAYED ON THE CDU.

115

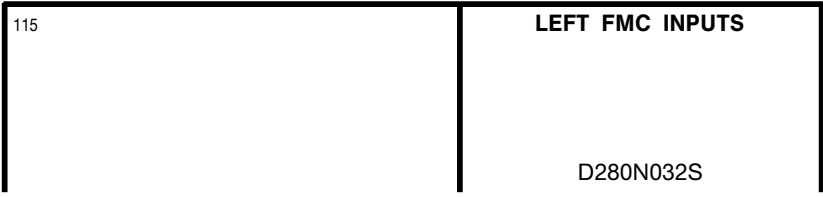
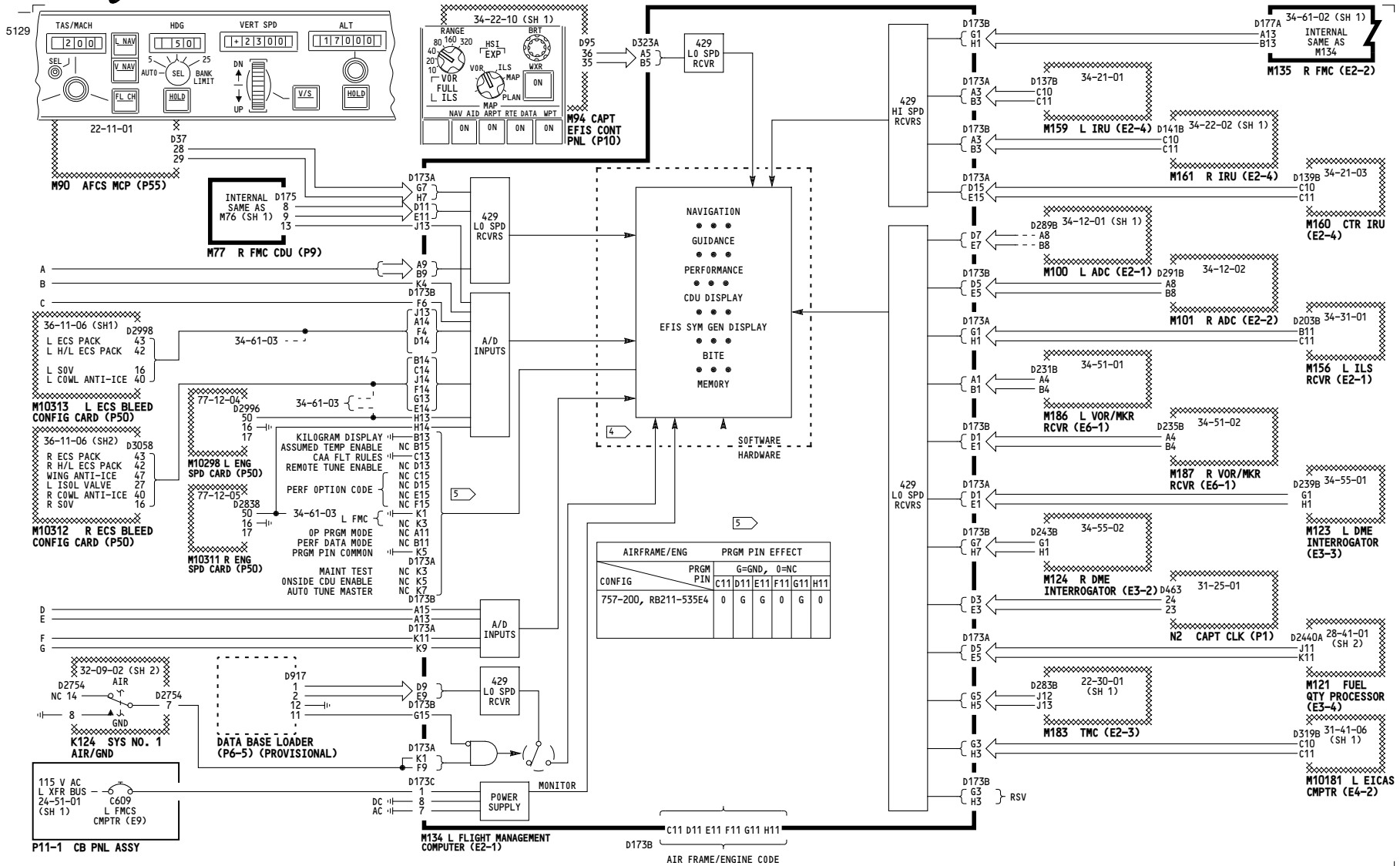
LEFT FMC INPUTS

Incorporates
34-0414

D280N032S

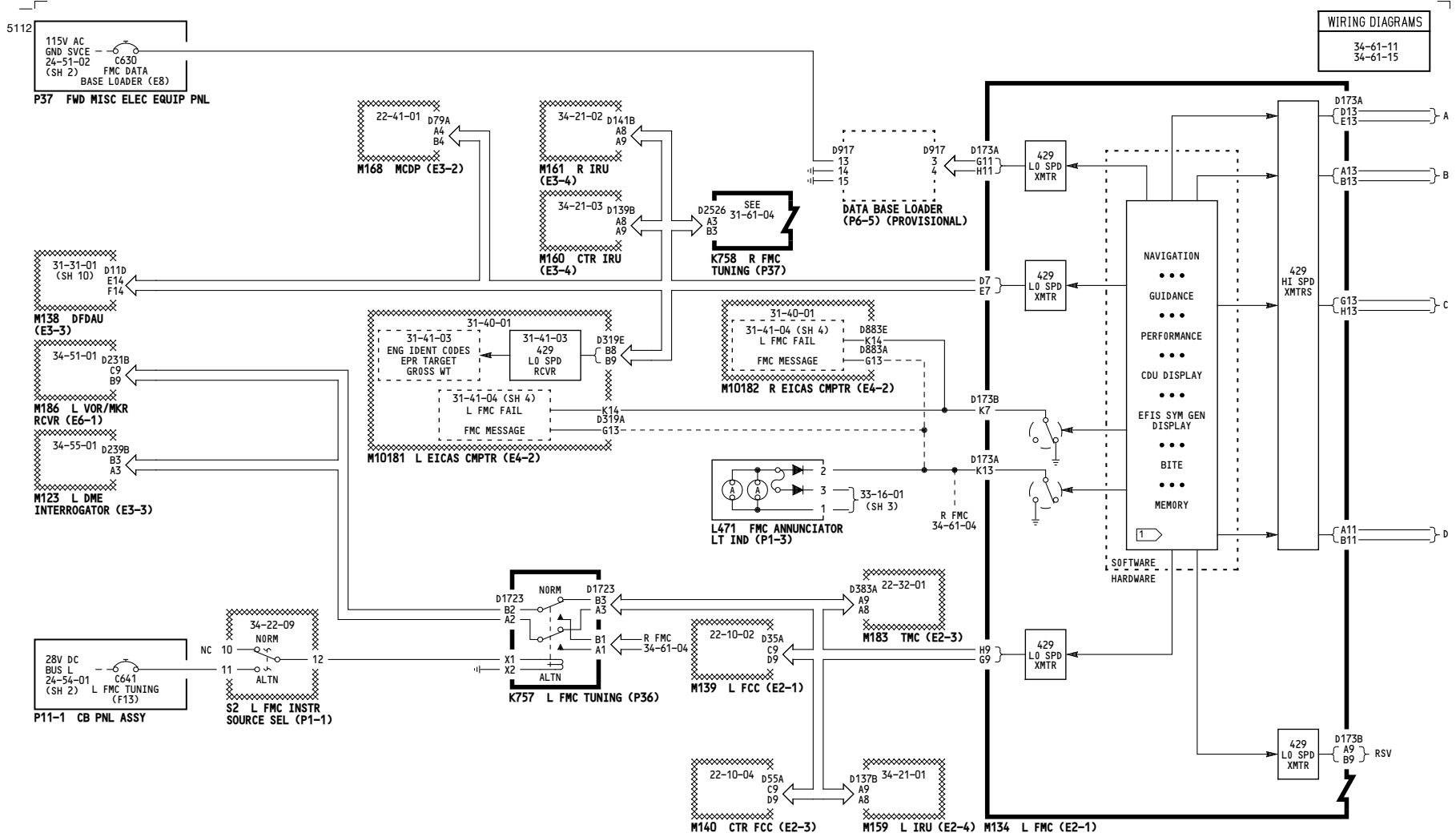
34-61-01

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34-61-01

Page 103.1
 Sheet 2
 Oct 09/2008

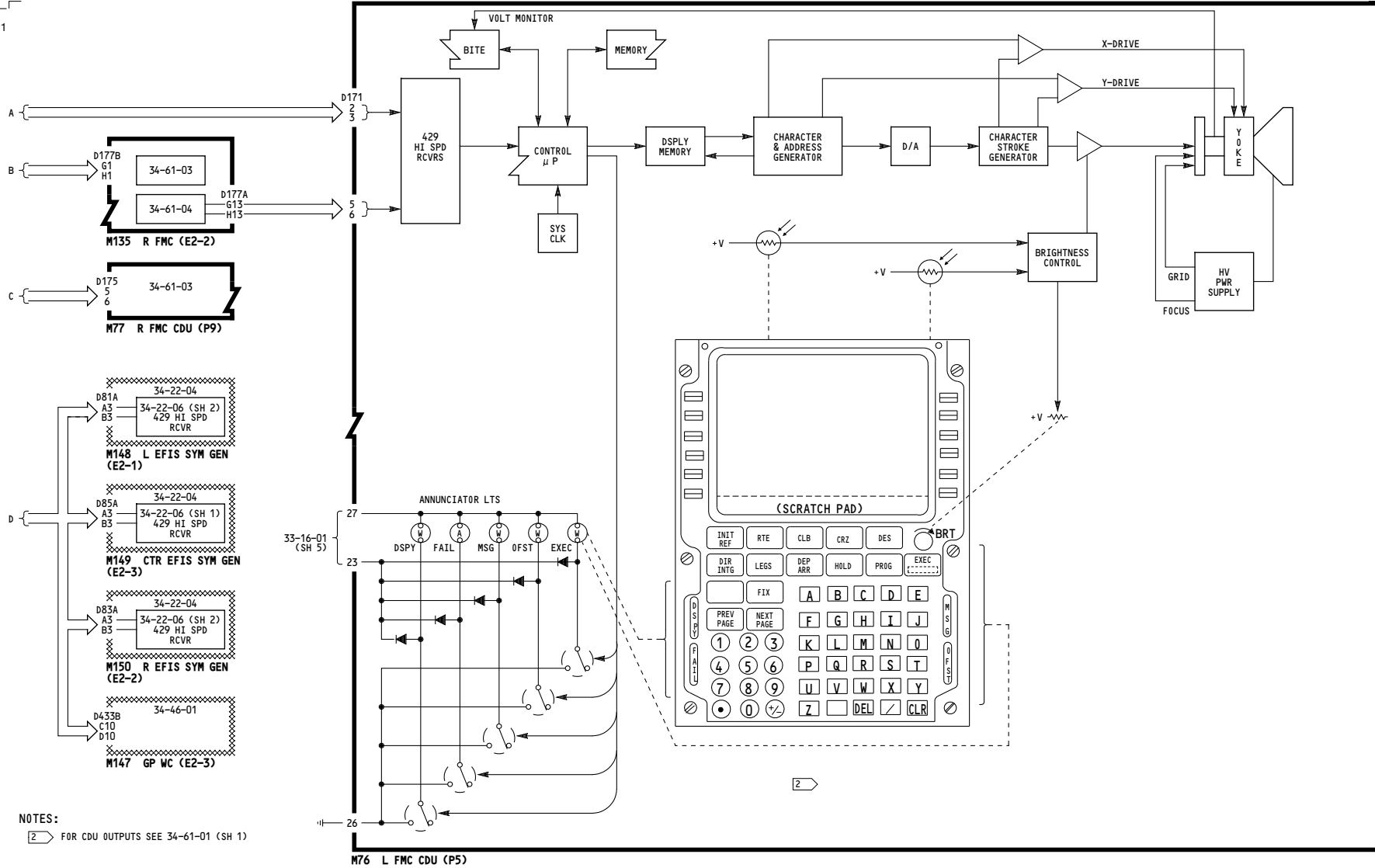


NOTES:
1 FOR PROCESSING
SEE 34-60-01

| | |
|------------------|------------------|
| 001-008, 115-199 | LEFT FMC OUTPUTS |
| D280N032S | |

34-61-02

5101

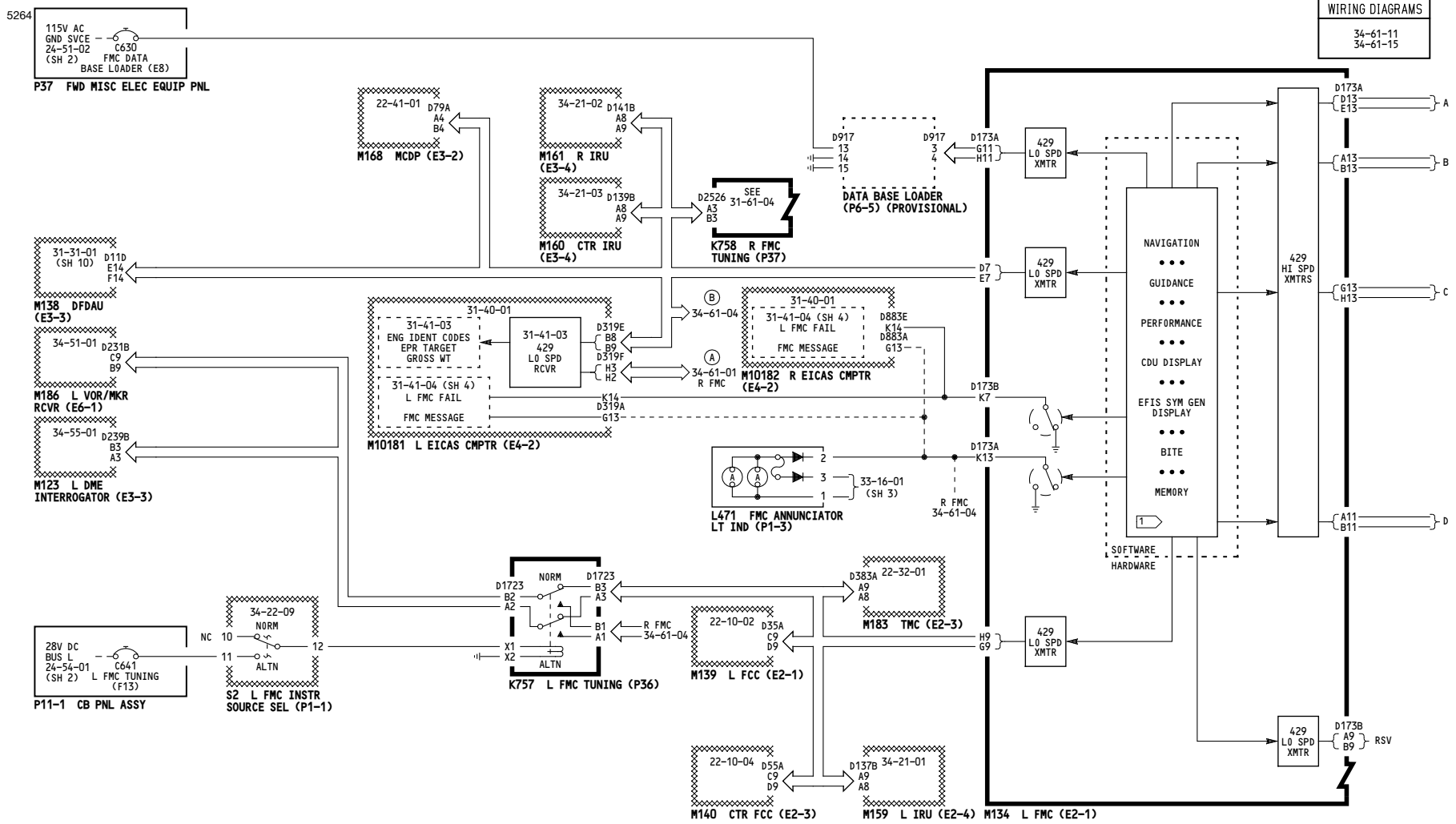


NOTES:
 [2] FOR CDU OUTPUTS SEE 34-61-01 (SH 1)

| | |
|------------------|--|
| 001-008, 115-199 | LEFT FMC OUTPUTS D280N032S |
|------------------|--|

34-61-02

WIRING DIAGRAMS
34-61-11
34-61-15



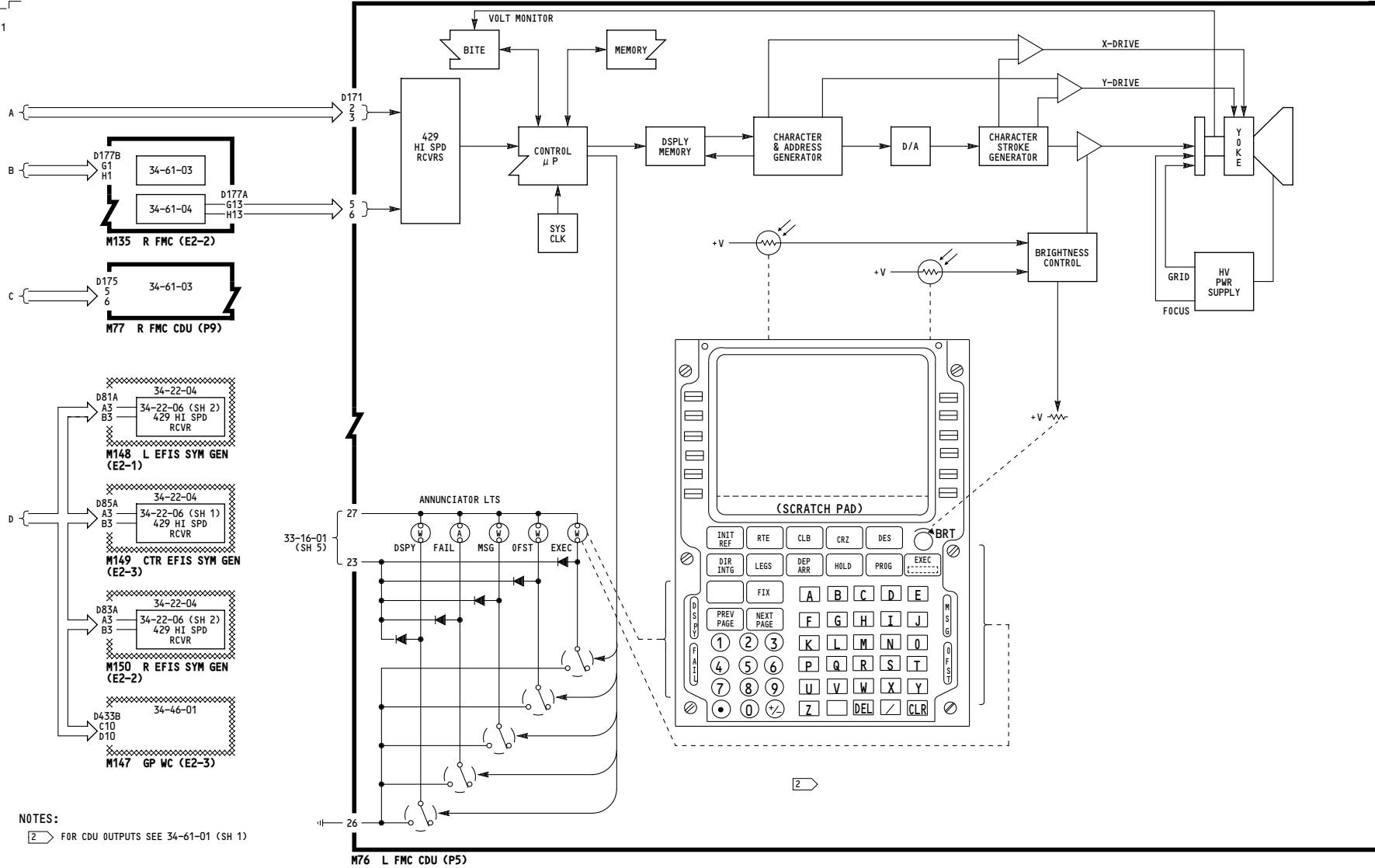
NOTES:
1 FOR PROCESSING
SEE 34-60-01

| | |
|-----------|-------------------------|
| 003 | LEFT FMC OUTPUTS |
| D280N032S | |

Incorporates
34-0301

34-61-02

5101



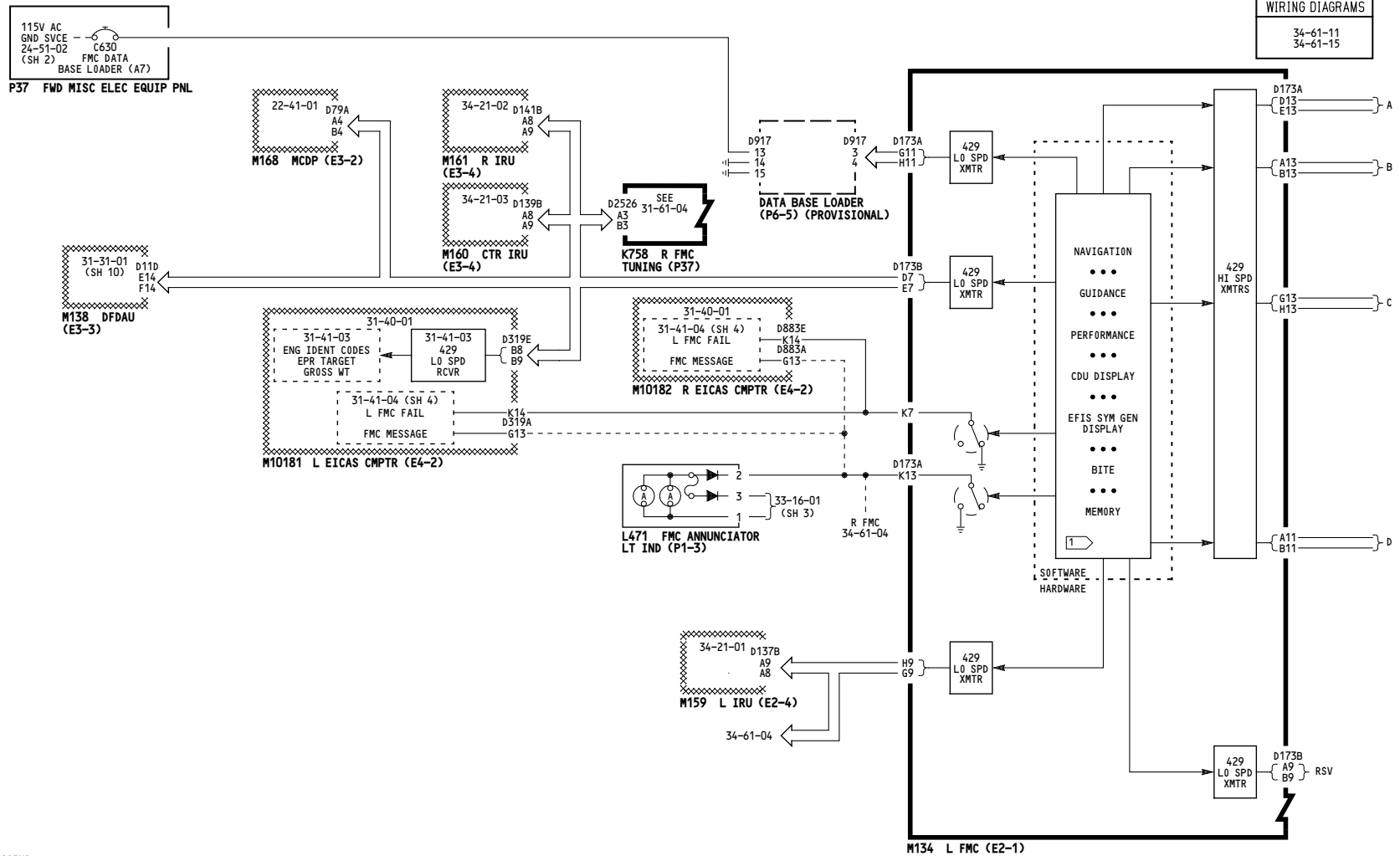
NOTES:
 [2] FOR CDU OUTPUTS SEE 34-61-01 (SH 1)

| | |
|-----|-------------------------|
| 003 | LEFT FMC OUTPUTS |
| | D280N032S |

34-61-02

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WIRING DIAGRAMS
34-61-11
34-61-15

NOTES:
1 FOR PROCESSING
SEE 34-60-01

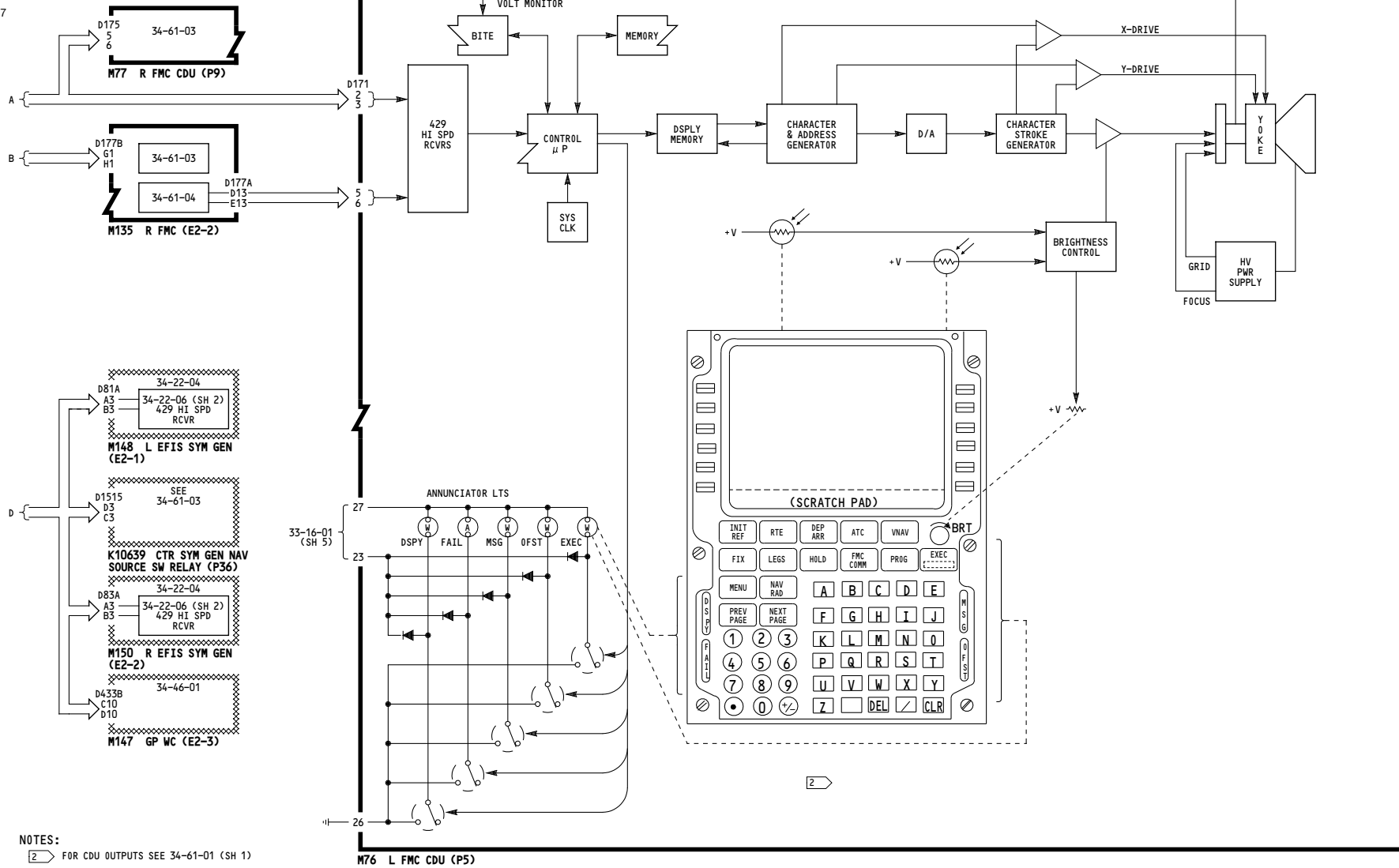
| | |
|-----|------------------|
| 115 | LEFT FMC OUTPUTS |
| | D280N032S |

Incorporates
34-0414

34-61-02

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Sheet 1
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5187



NOTES:
 [2] FOR CDU OUTPUTS SEE 34-61-01 (SH 1)

115

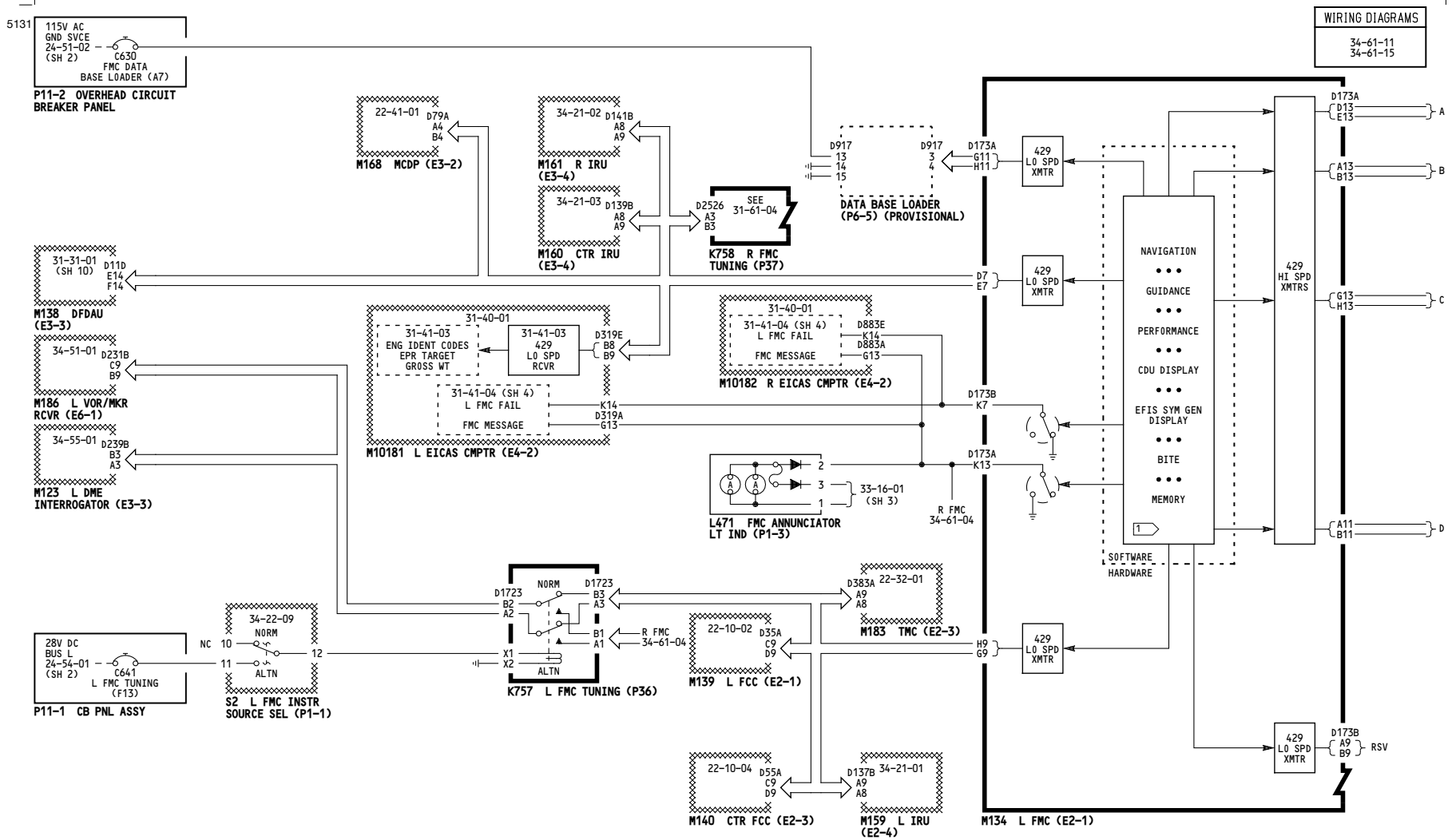
LEFT FMC OUTPUTS

Incorporates
 34-0414

D280N032S

34-61-02

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 Sheet 2
 Oct 09/2008



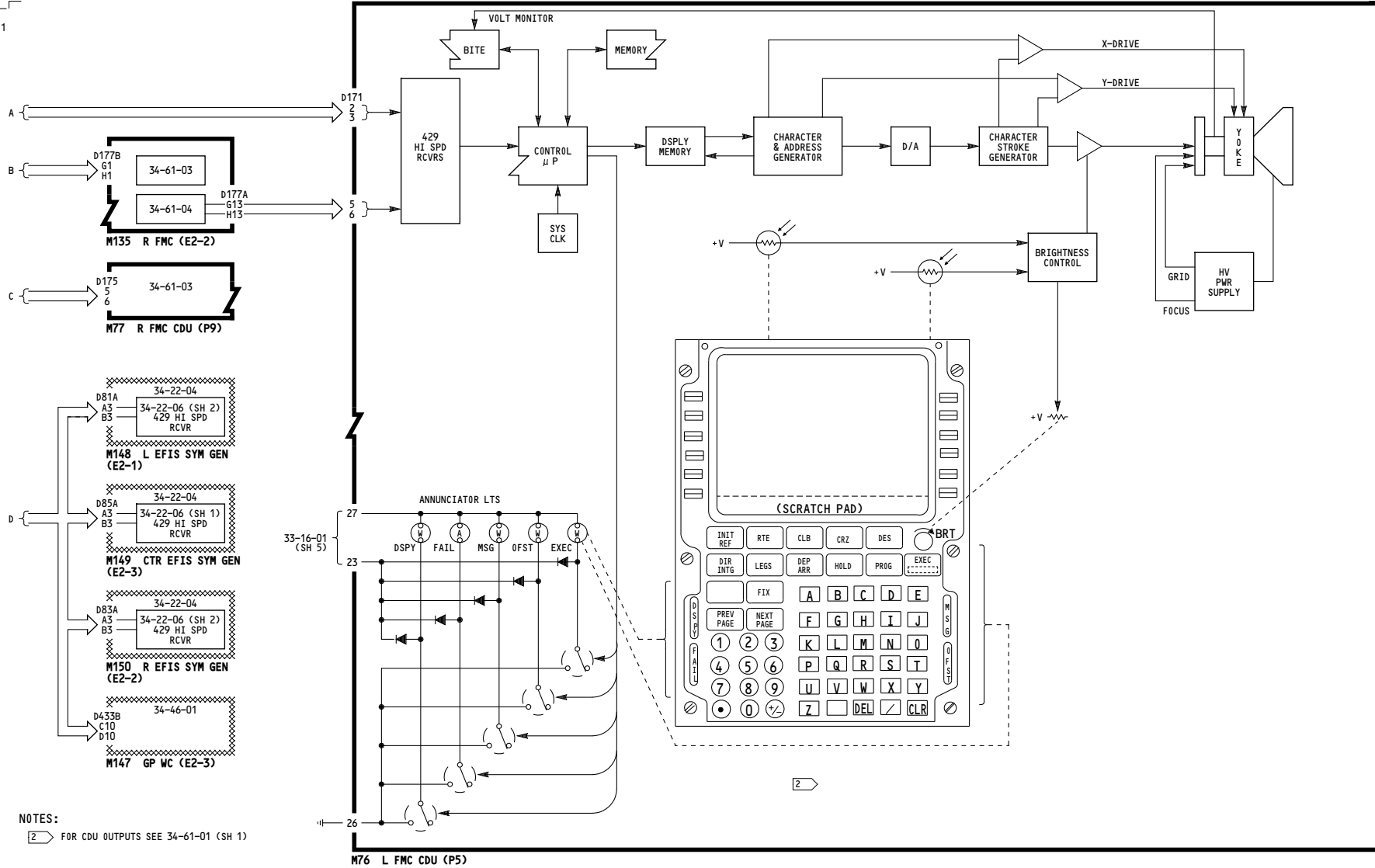
WIRING DIAGRAMS
34-61-11
34-61-15

NOTES:
① FOR PROCESSING
SEE 34-60-01

| | |
|-----------|------------------|
| 009-099 | LEFT FMC OUTPUTS |
| D280N032S | |

34-61-02

5101



NOTES:
 [2] FOR CDU OUTPUTS SEE 34-61-01 (SH 1)

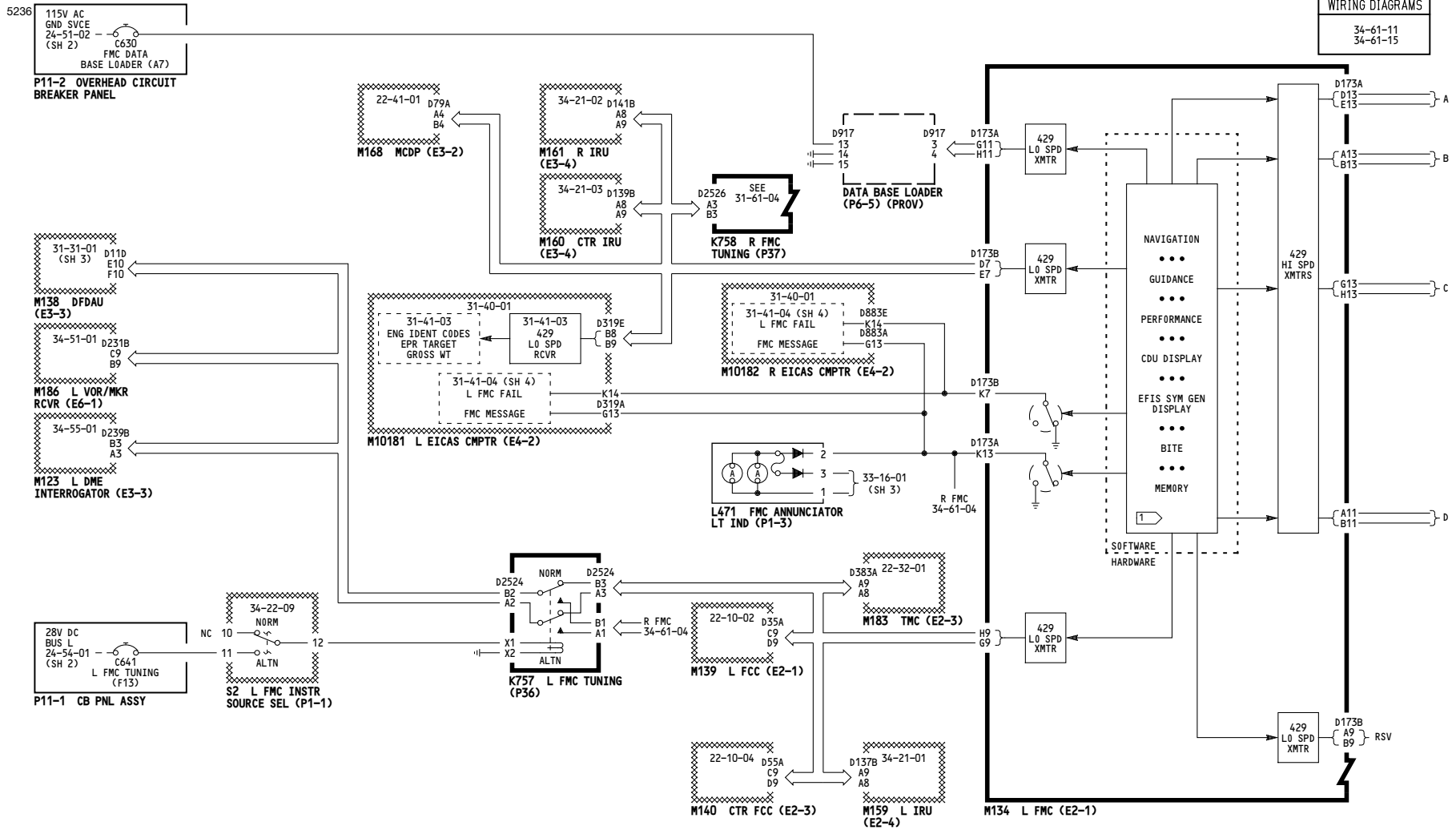
009-099

LEFT FMC OUTPUTS

D280N032S

34-61-02

WIRING DIAGRAMS
34-61-11
34-61-15

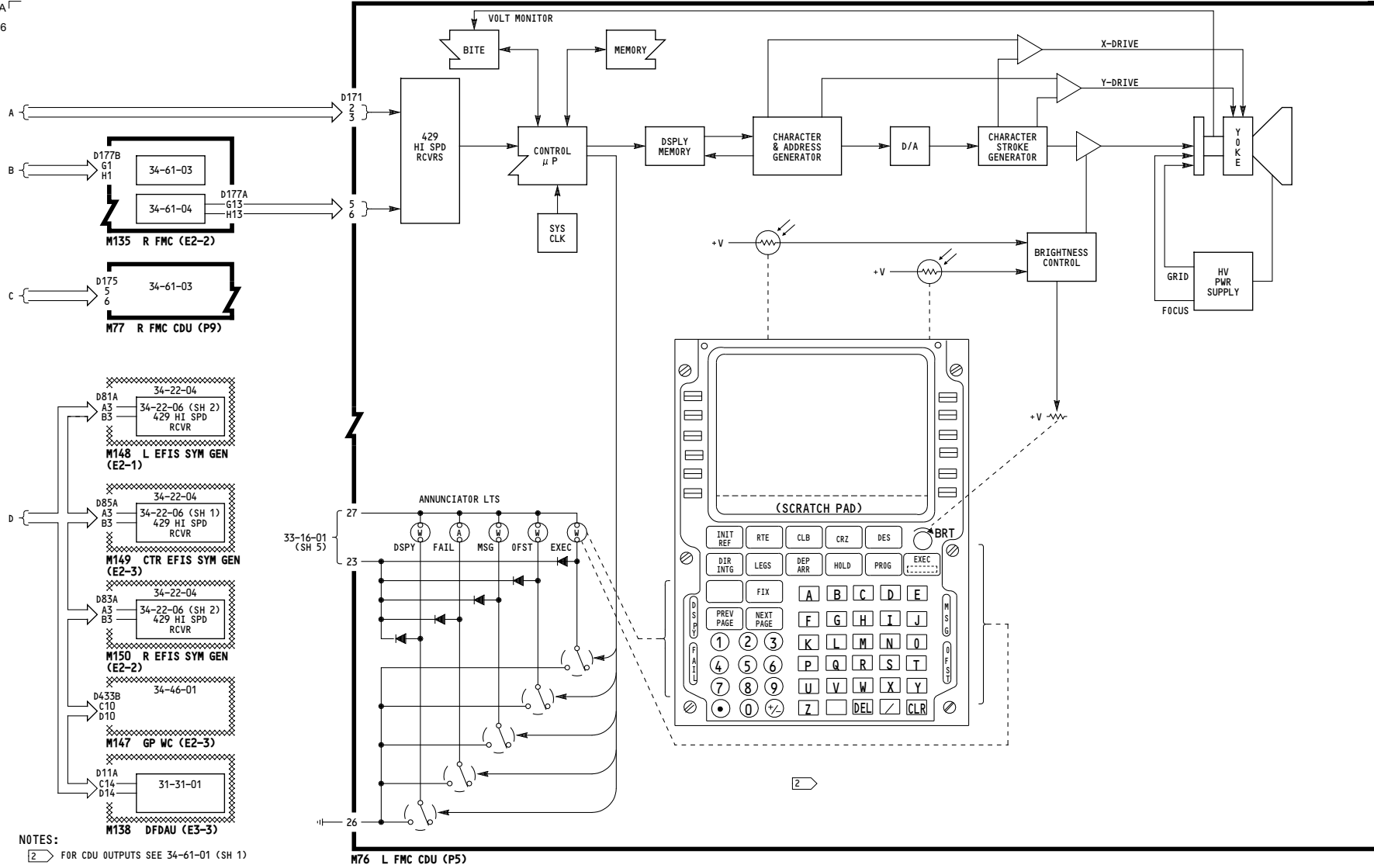


NOTES:
1 FOR PROCESSING
SEE 34-60-01

| | |
|---------|-------------------------|
| 010-011 | LEFT FMC OUTPUTS |
| | Incorporates 31-0094 |
| | D280N032S |

34-61-02

-A
5116



NOTES:
 [2] FOR CDU OUTPUTS SEE 34-61-01 (SH 1)

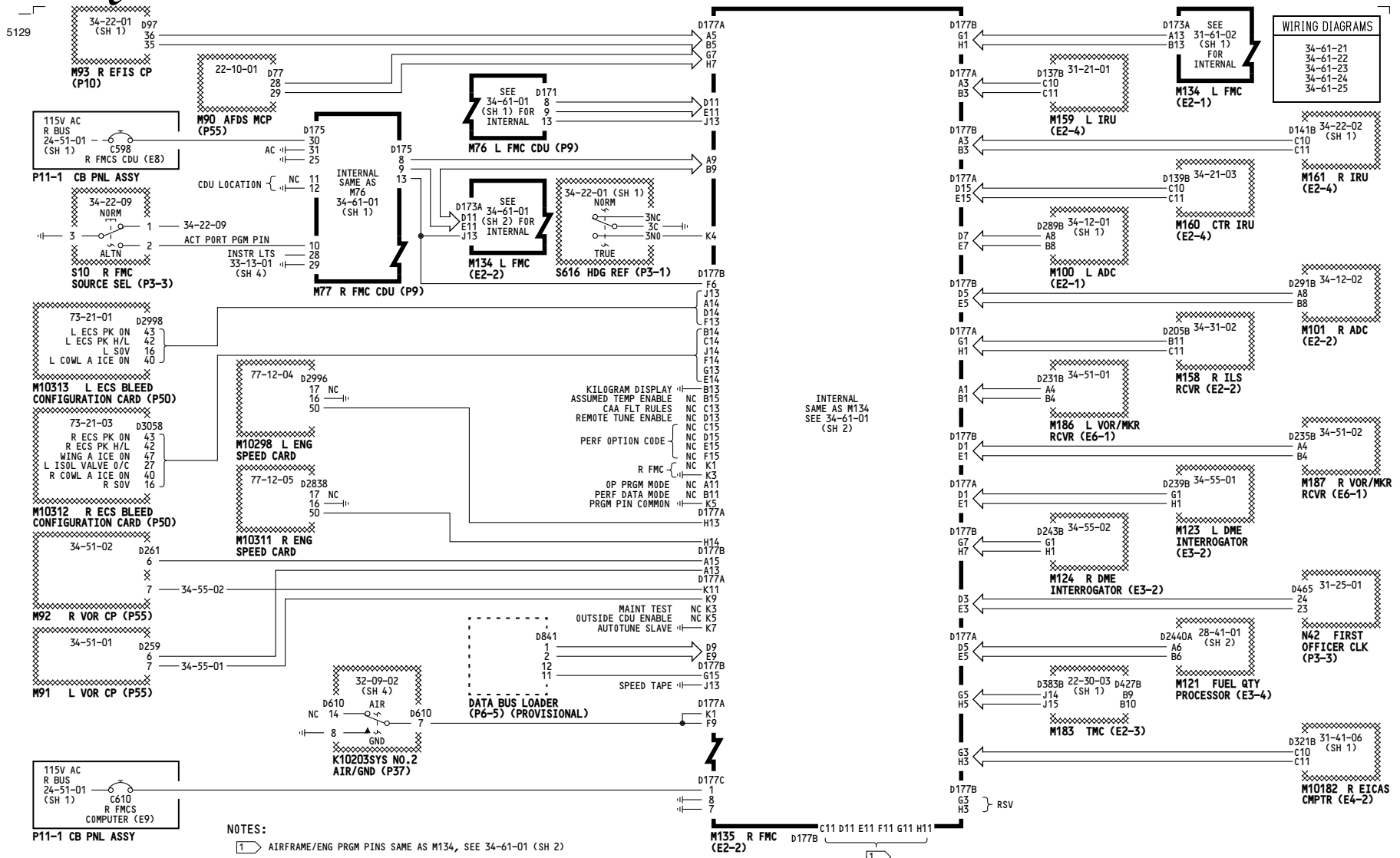
010-011

LEFT FMC OUTPUTS

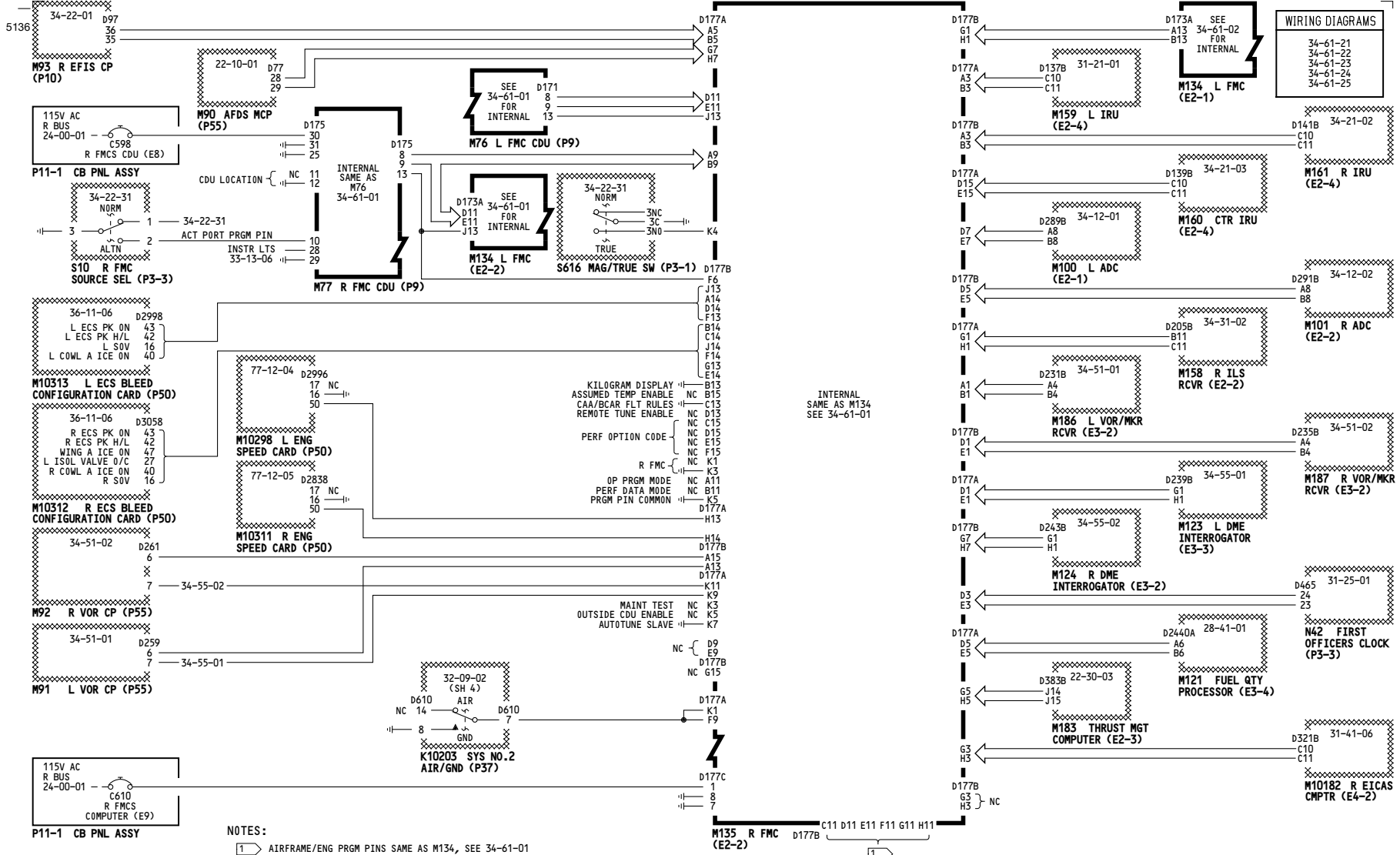
D280N032S

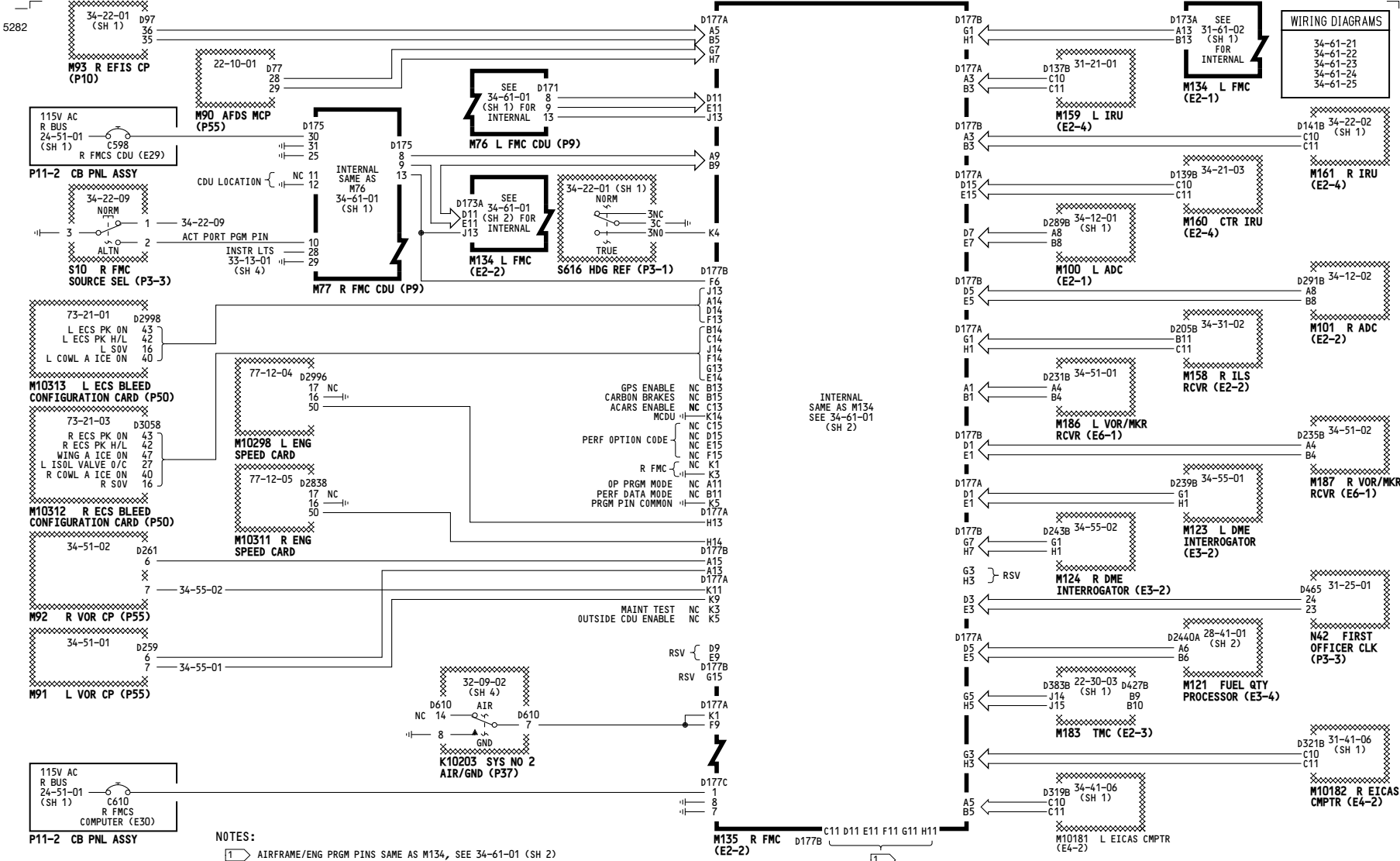
Incorporates
 31-0094

34-61-02



34-61-03





WIRING DIAGRAMS
 34-61-21
 34-61-22
 34-61-23
 34-61-24
 34-61-25

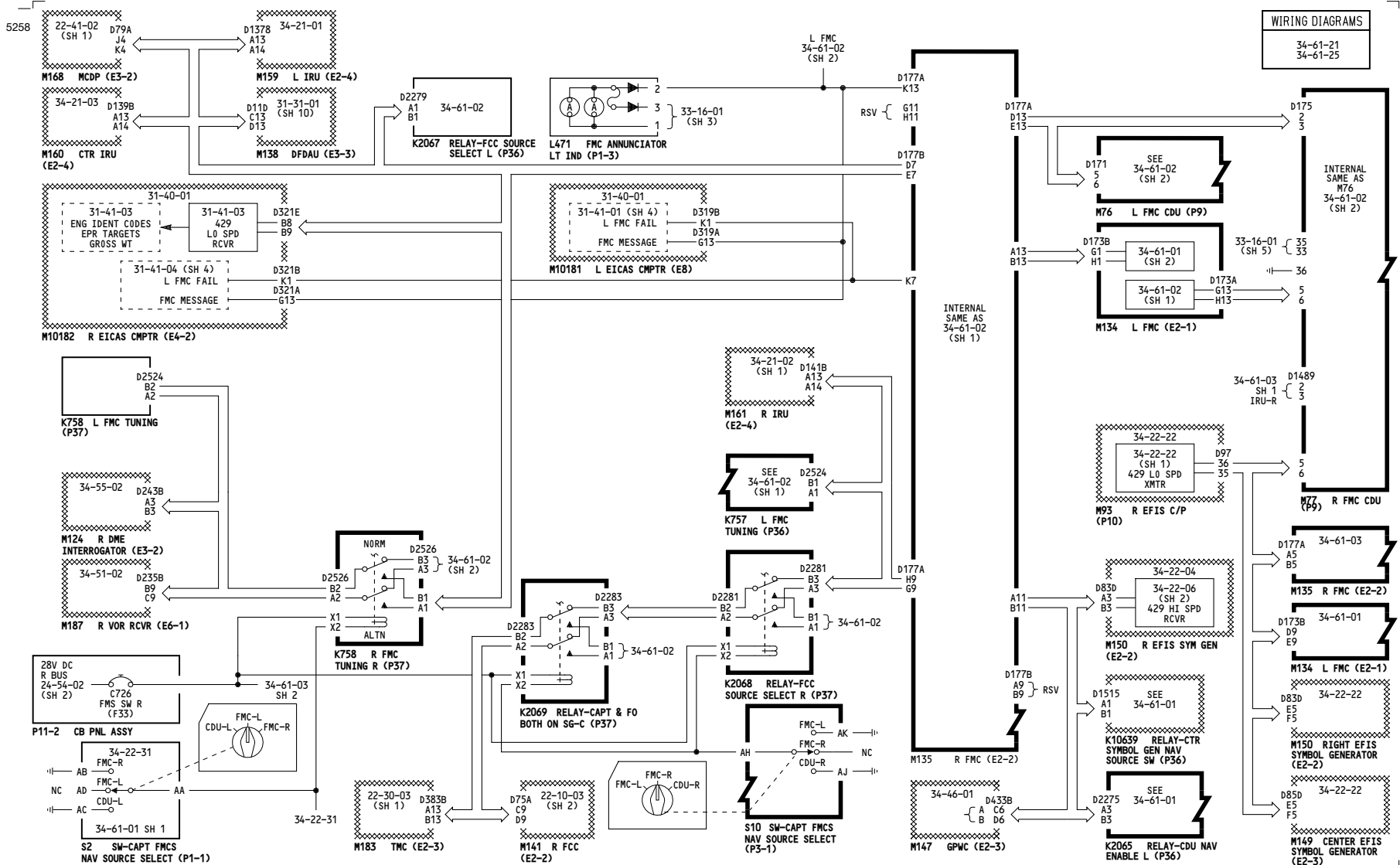
NOTES:
 1 AIRFRAME/ENG PRGM PINS SAME AS M134, SEE 34-61-01 (SH 2)

| | |
|-------------------------|-------------------------|
| 115 | RIGHT FMC INPUTS |
| Incorporates 34-0414 | |
| D280N032S | |

34-61-03

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WIRING DIAGRAMS
34-61-21
34-61-25

INTERNAL SAME AS
34-61-02
(SH 1)

INTERNAL SAME AS
M76
34-61-02
(SH 2)

INTERNAL SAME AS
34-61-02
(SH 1)

34-61-03
SH 1
IRU-R

34-61-03
A5
B5

34-61-01
D9
E9

34-22-22

34-22-22

115

RIGHT FMC OUTPUTS

Incorporates
34-0414

D280N032S

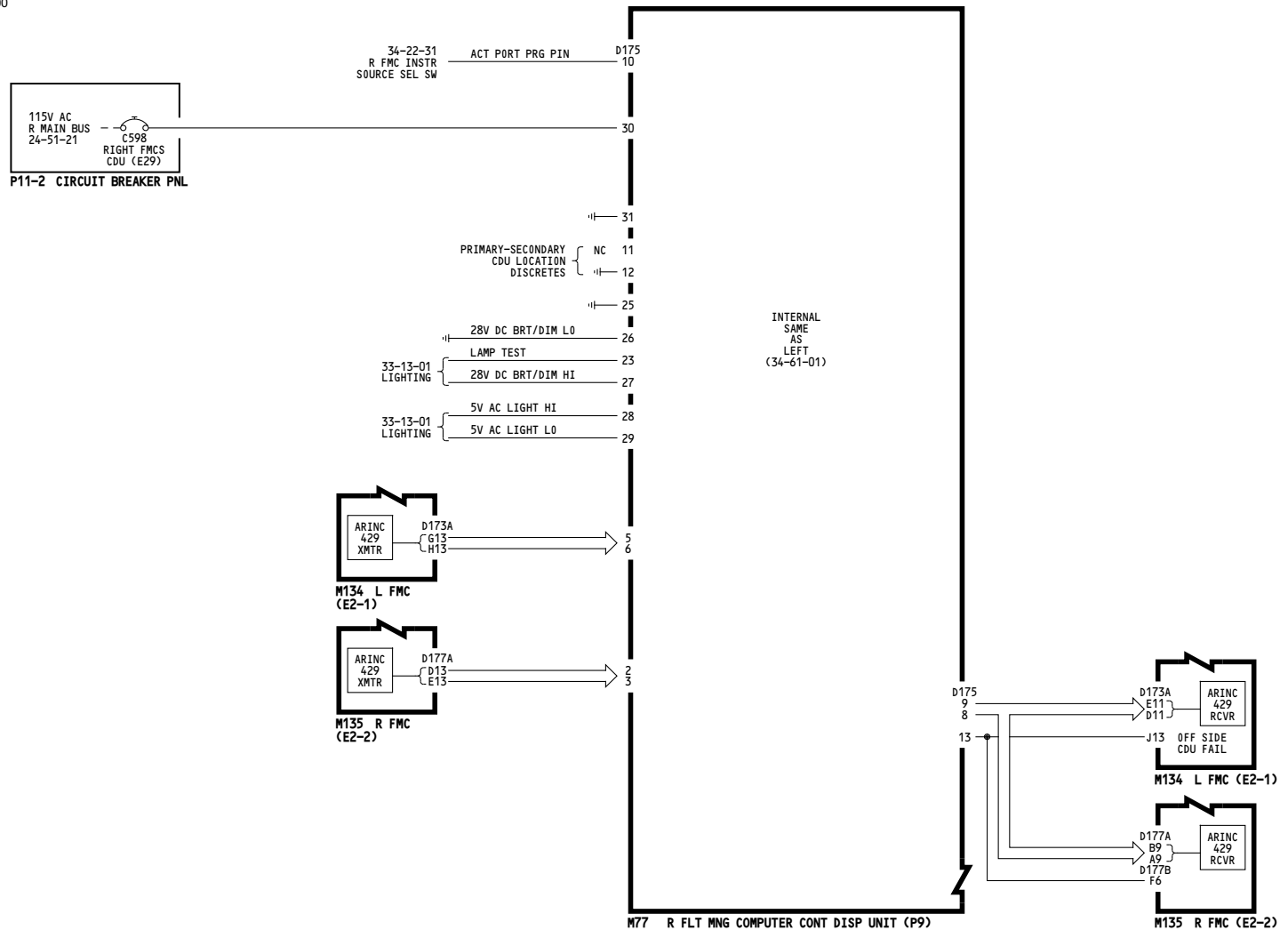
34-61-04

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WIRING DIAGRAMS
34-61-11
34-61-21

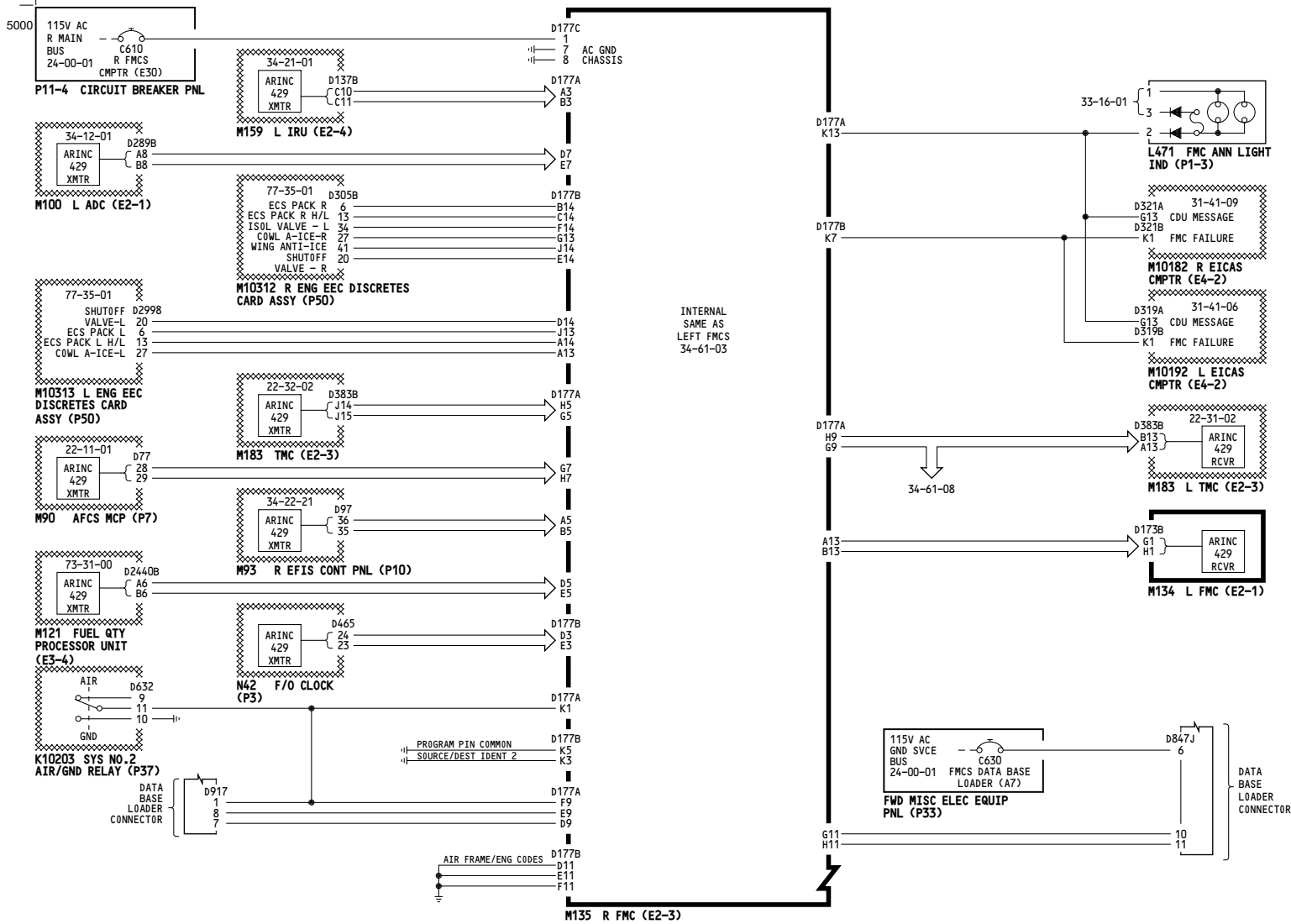


| | |
|---------|--|
| 001-099 | <p align="center">FMCS CONTROL DISPLAY UNIT (CDU) - RIGHT</p> <p align="center">D280N032S</p> |
|---------|--|

34-61-06

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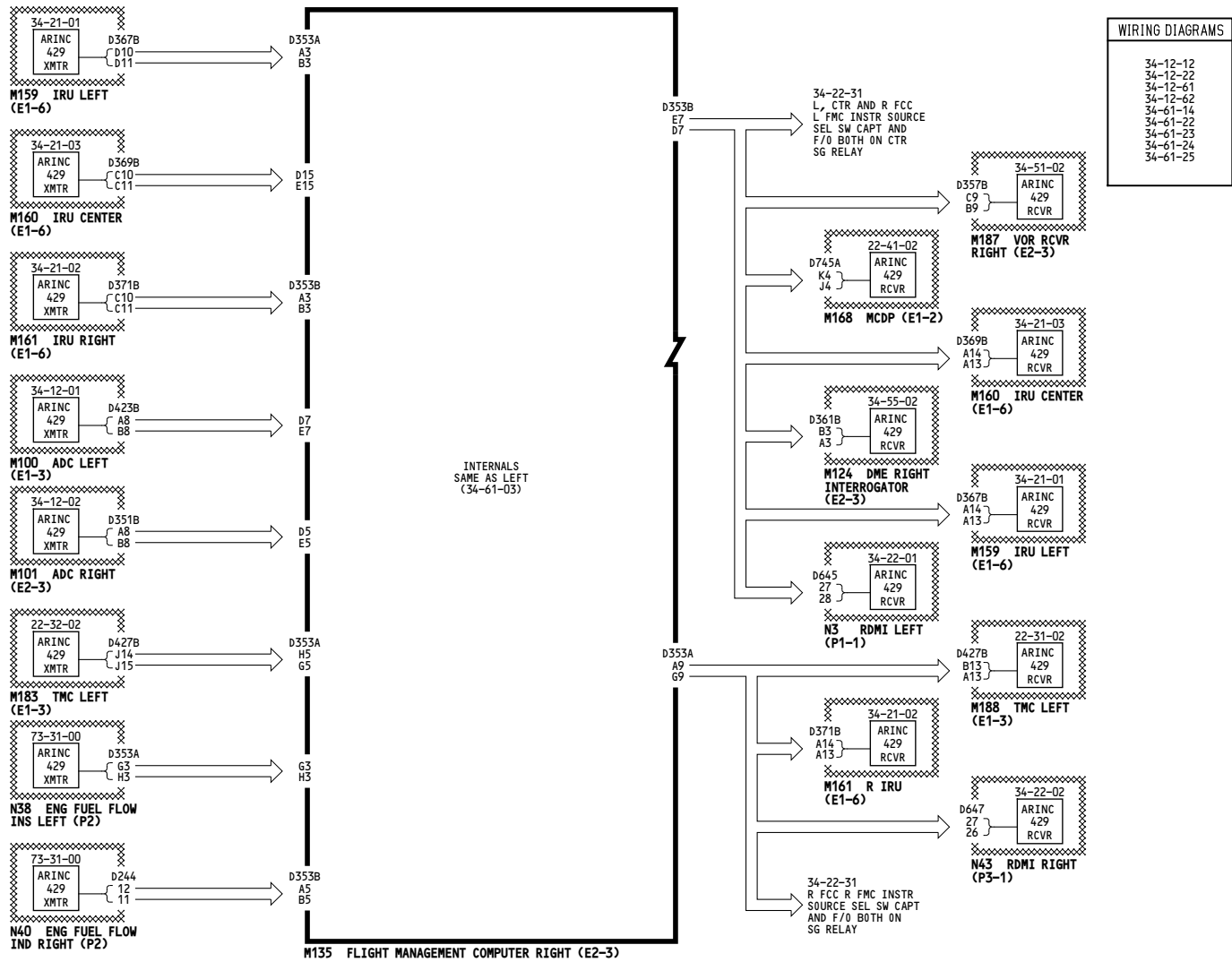
WIRING DIAGRAMS

| |
|----------|
| 22-32-11 |
| 31-21-11 |
| 34-61-11 |
| 34-61-12 |
| 34-61-13 |
| 34-61-15 |
| 34-61-21 |
| 34-61-22 |
| 34-61-23 |
| 34-61-24 |
| 34-61-25 |

| | |
|---------|--|
| 001-099 | FMCS VNAV MODE LOGIC - RIGHT D280N032S |
|---------|--|

34-61-07

5000



001-099

FMCS VNAV STEERING COMMANDS - RIGHT

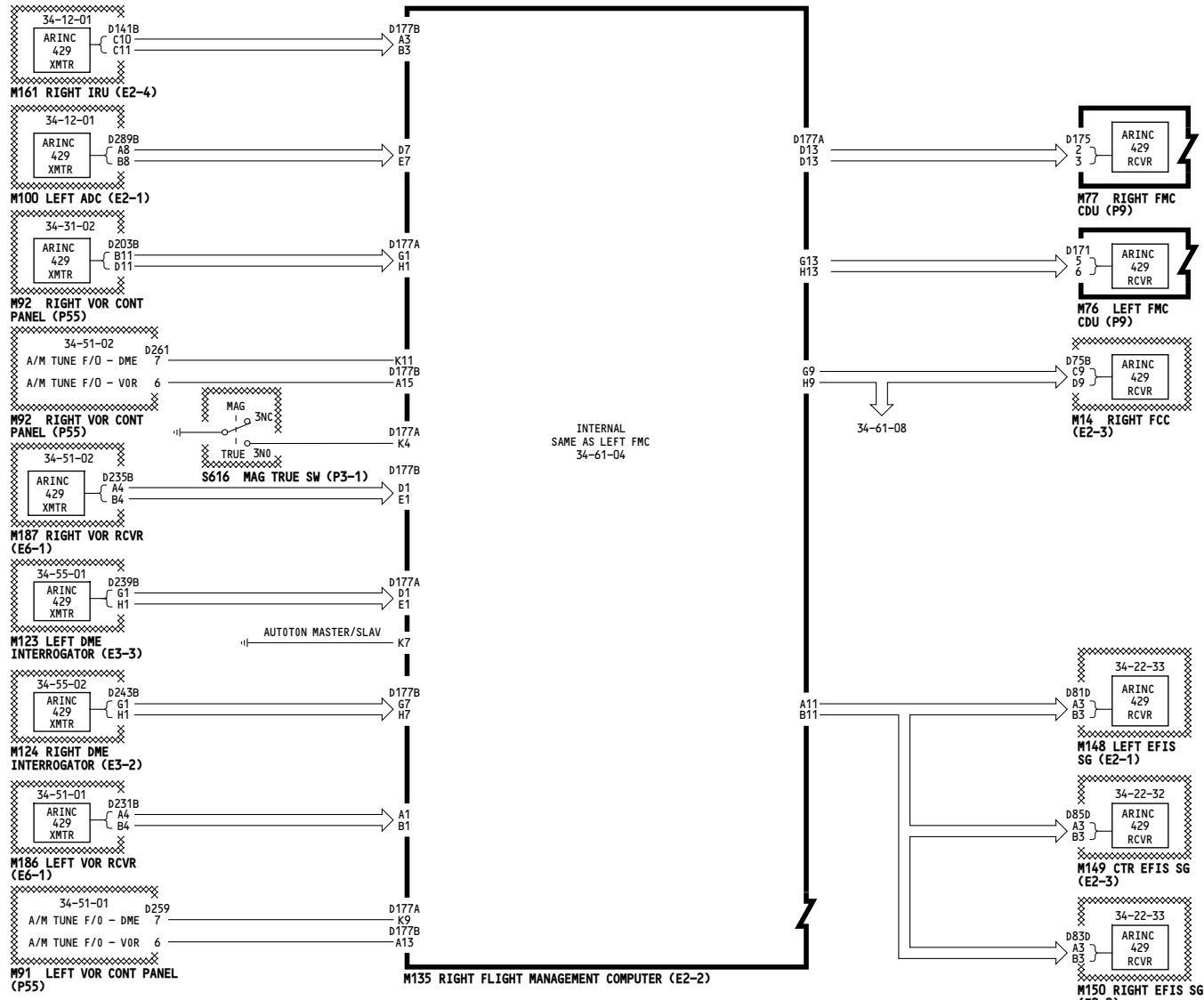
D280N032S

34-61-08

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| WIRING DIAGRAMS | |
|-----------------|--|
| 34-22-18 | |
| 34-22-28 | |
| 34-22-38 | |
| 34-51-11 | |
| 34-51-21 | |
| 34-61-12 | |
| 34-61-13 | |
| 34-61-21 | |
| 34-61-22 | |
| 34-61-23 | |
| 34-61-25 | |

INTERNAL
SAME AS LEFT FMC
34-61-04

| | |
|---------|--|
| 001-099 | <p>FMCS LNAV STEERING COMMANDS - RIGHT</p> <p>D280N032S</p> |
|---------|--|

34-61-09