CHAPTER 23 COMMUNICATIONS



CHAPTER 23 COMMUNICATIONS

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	23-51-11									
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	HIGH FREQUENCY (HF) COMMUNICATION SYSTEM						
	HF COMMUNICATIONS 1	23-11-11		101	1	Aug 15/2013	YT101-YT103
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I				102	1	Jun 21/2016	YT104-YT133
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	HF COMMUNICATIONS 2 HF DATALINK	23-11-26		101		Apr 17/2014	YT101-YT105
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	VERY HIGH FREQUENCY (VHF) COMMUNICATION SYS	TEM					
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I	EMERGENCY LOCATOR TRANSMITTER (ELT)	23-24-11		101		Jun 21/2016	ALL
	AIRCRAFT COMMUNICATIONS ADDRESSING AND REP	ORTING SYST	TEM (ACAF	RS)			
ı	ACARS/CMU - POWER & CONTROL	23-27-31		101		Jun 21/2016	ALL
ı	ACARS/CMU - OUTPUT BUS 1 INTERFACES	23-27-32		101		Jun 21/2016	ALL
ı	ACARS/CMU - OUTPUT BUS 2 INTERFACES	23-27-33		101		Jun 21/2016	ALL
	ACARS/CMU - OUTPUT BUS 3 INTERFACES	23-27-34		101		Mar 14/2016	YT101-YT120
ı	ACARS/CMU - 716 VHF AND FMC INTERFACES	23-27-35		101		Jun 21/2016	ALL
	ACARS/CMU - OUTPUT BUS 4 INTERFACES	23-27-36		101		Apr 17/2014	YT101-YT105
ı				102		Jun 21/2016	YT106-YT133
ı	ACARS/CMU - OUTPUT BUS 6 AND BUS 7 INTERFACES	23-27-37		101		Jun 21/2016	ALL
	ACARS/CMU - OOOI, CREW ADVISORIES AND OUTPUT 8	23-27-38		101		Mar 14/2016	YT101-YT120
ı				102		Jun 21/2016	YT126-YT133
ı	ACARS/CMU - DATA LOADER AND PROGRAM PINS	23-27-39		101		Jun 21/2016	ALL
	PASSENGER ADDRESS SYSTEM						
ı	PASSENGER ADDRESS SYSTEM	23-31-11		101		Jun 21/2016	YT101-YT118 YT126-YT133
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ı	PASSENGER ADDRESS SYSTEM SPEAKERS	23-31-14		101	1	Jun 21/2016	ALL
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I	INTERPHONE ATTENDANT AND SERVICE	23-41-11		101		Jun 21/2016	ALL
	CABIN INTERPHONE SYSTEM						
ı	FLIGHT AND GROUND CREW CALL	23-42-11		101		Jun 21/2016	YT101-YT105 YT126-YT133
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I	CABIN INTERPHONE - BASELINE HANDSETS	23-42-12		101		Jun 21/2016	ALL
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23-27-33	ACARS/CMU - OUTPUT BUS 2 INTERFACES
23-27-34	ACARS/CMU - OUTPUT BUS 3 INTERFACES
23-27-36	ACARS/CMU - OUTPUT BUS 4 INTERFACES
23-27-37	ACARS/CMU - OUTPUT BUS 6 AND BUS 7 INTERFACES
23-27-31	ACARS/CMU - POWER & CONTROL
23-42-15	AFT ATTENDANT CONTROL PANEL
23-42-12	CABIN INTERPHONE - BASELINE HANDSETS
23-24-11	EMERGENCY LOCATOR TRANSMITTER (ELT)
23-42-11	FLIGHT AND GROUND CREW CALL
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23-43-11	GROUND CREW CALL
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23-11-16	HF COMMUNICATIONS 1 HF DATALINK
23-11-21	HF COMMUNICATIONS 2

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23-31-14	PASSENGER ADDRESS SYSTEM SPEAKERS
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23-12-41	VHF/HF COMMUNICATIONS
23-70-11	VIDEO SURVEILLANCE SYSTEM
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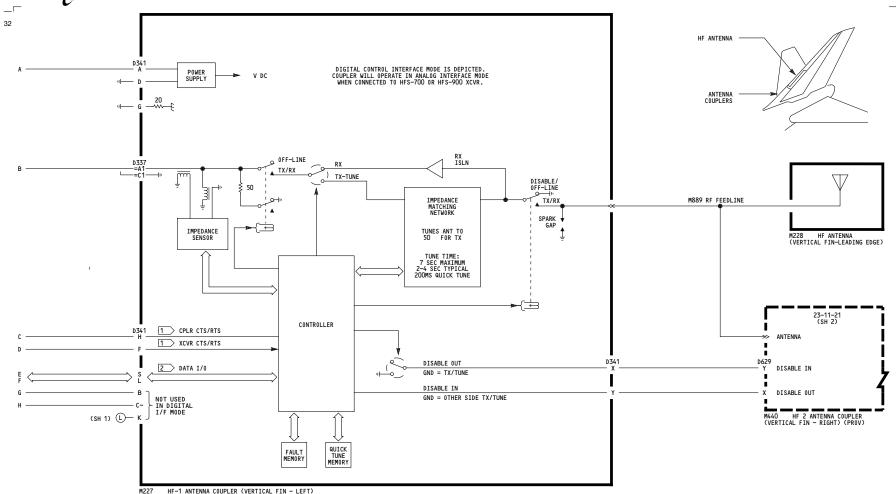
BOEING 737-800 SYSTEM SCHEMATIC MANUAL WIRING DIAGRAMS D345C 186 115V AC XFR BUS 1 SECT 1 23-11-11 POWER SUPPLY D345C C839 (E11) HF-1 SELCAL AUDIO 23-22-11 P18-2 CIRCUIT BREAKER PANEL --(M)-RX D345B BLOWER CONTROL +28V 23-12-11 RCV/SIDETONE AUDIO \exists BL0WER NC K3 ------+28V TX HEAD PHONE OPEN = RUN CONTINUOUS 118.000 🖨 (136.990) H) INTERNAL KEYLINE } (N) +12V VHF 1 VHF 2 VHF 3 AUDIO/ SIDETONE □---- D5 RF INPUT HF 1 AM HF 2 RF SENSITIVITY GND = MAX HF SENS RF I/0 RECEIVER TX =Ċ71 GND = SQUELCH OPEN RF SENS ₹⇒ TUNE PORT SELECT (GND = PORT A) SQUELCH 41-PORT SELECT SQUELCH CONTROL TUNE PORT A 429 RX C LRU STATUS OUTPUT DATA BUS $-\left\{ \begin{smallmatrix} A & 2 & - \\ B & 3 & - \\ D10601 \end{smallmatrix} \right.$ KEY INTERLOCK HF1 STATUS 429 PORT IN -{ A 17 C TUNE PORT B A 429 RX CONTROL FAIL O TEST P8-71 RADIO TUNING PANEL 1 TRANSMITTER +50 -+120 PHONE MIC HFS-900D RF OUTPUT TUNE LABEL SELECT XMTR SIDETONE 23-12-21 FREQUENCY AND MODE </l></l></l></l></l></ (GND = LABEL 205)OUTPUT DATA BUS $\{A \}$ 23-12-41 SDI 1 NC H4 H INTERNAL KEYLINE SDI O HF1 STATUS 429 PORT IN -{A 17 R 18 □ K4 ------1 COUPLER CTS/RTS NARROW/WIDE BAND 1 — J5 XCVR CTS/RTS (GND = WIDE) PTT (GND = KEYED) P8-72 RADIO TUNING PANEL 2 2 C1 COUPLER DATA I/O 23-12-31 D345R NOT USED IN DIGITAL MODE D10605 MIC AUDIO HF1 STATUS 429 PORT IN - A 17 B 18 FAULT \$.....X KEY EVENT OUTPUT __ 31-31-17 23-11-16 P8-73 RADIO TUNING PANEL 3 16V DC MEMORY BITE 23-51-11 D2501b (SH 1) HI C6 MC 0UTPUT - HI C6 M6 - MIC BIAS D14-D250' TF? GND = PIT KEYED TEST GRN | 429 RX XCVR FAULT { PASS FAIL RED (► MIC ISO INPUT -{ HI A 429 TX LRU STATUS NOTES: TRI-LEVEL DISCRETE LOW/GND = CTS 7.5V DC = RTS HIGH/OPEN = IDLE COUPLER OR ANTENNA FAULT MIC ISO OUTPUT -{ HI J3 KEY INTERLOCK TUNING INPUT FAULT BI-DIRECTIONAL BUS CONTROL DATA STATUS DATA FAULT DATA CONTROL FAIL L) HF-1 TRANSCEIVER (E6-2) M1353 REMOTE ELECTRONICS UNIT (E4-1) (SH 2) **HF COMMUNICATIONS 1** YT101-YT103 23-11-11 Page 101

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NOTES:

TRI-LEVEL DISCRETE
LOW/GND = CTS
7.5V DC = RTS
HIGH/OPEN = IDLE

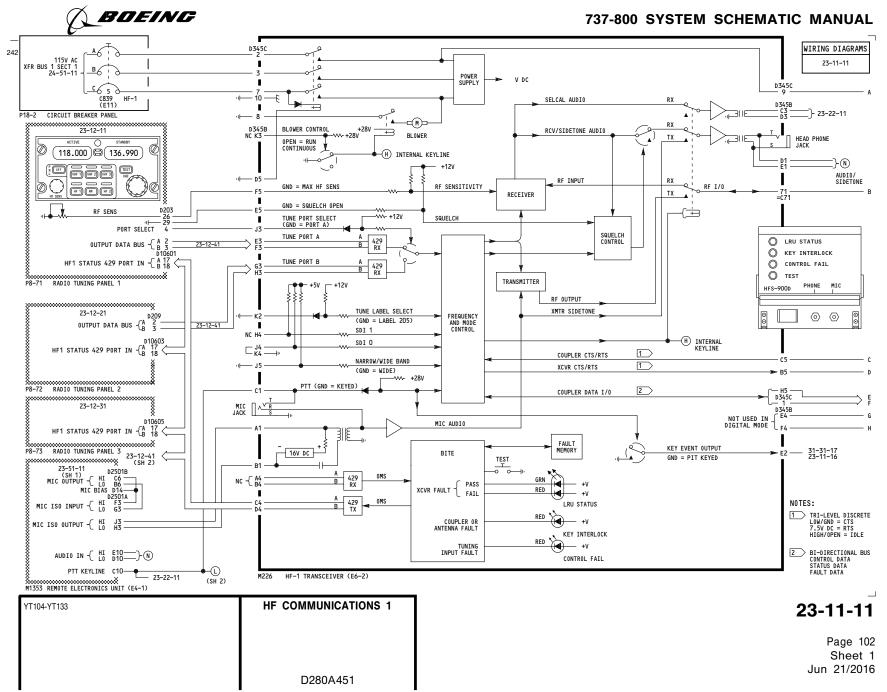
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YT101-YT103 HF COMMUNICATIONS 1

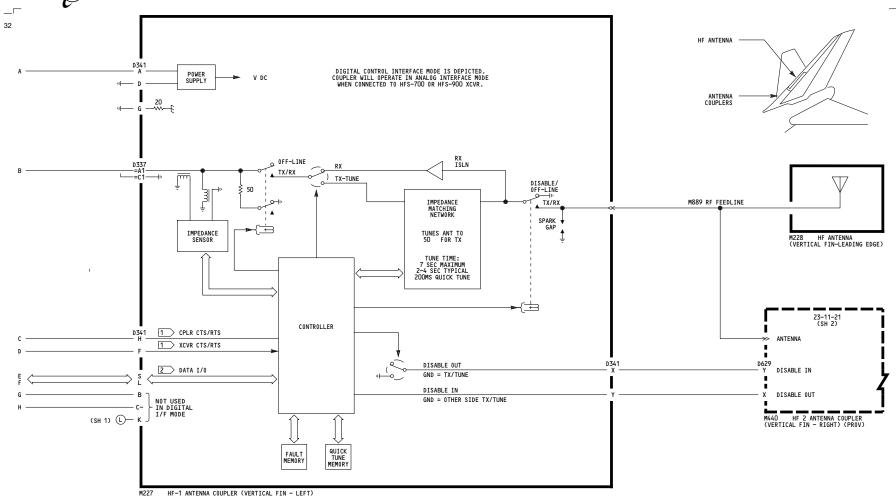
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NOTES:

TRI-LEVEL DISCRETE
LOW/GND = CTS
7.5V DC = RTS
HIGH/OPEN = IDLE

BI-DIRECTIONAL BUS CONTROL DATA STATUS DATA FAULT DATA

HF COMMUNICATIONS 1

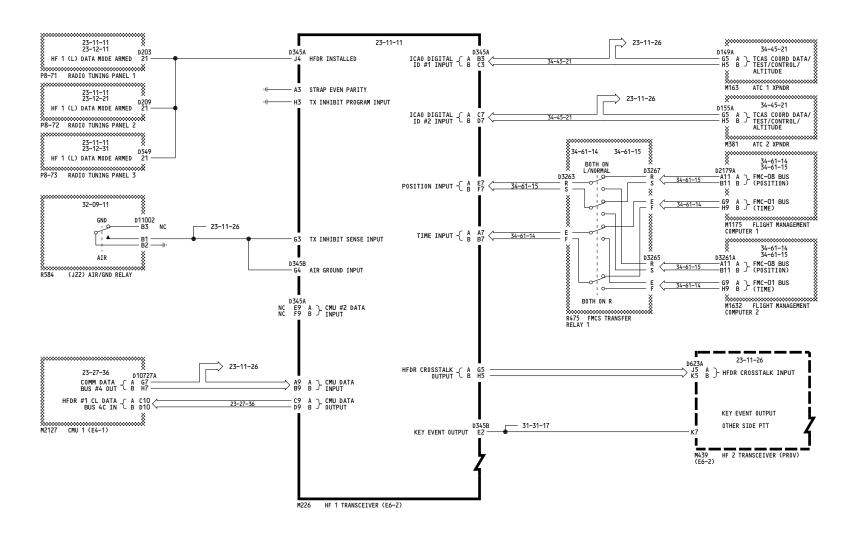
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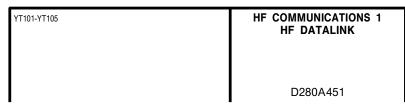
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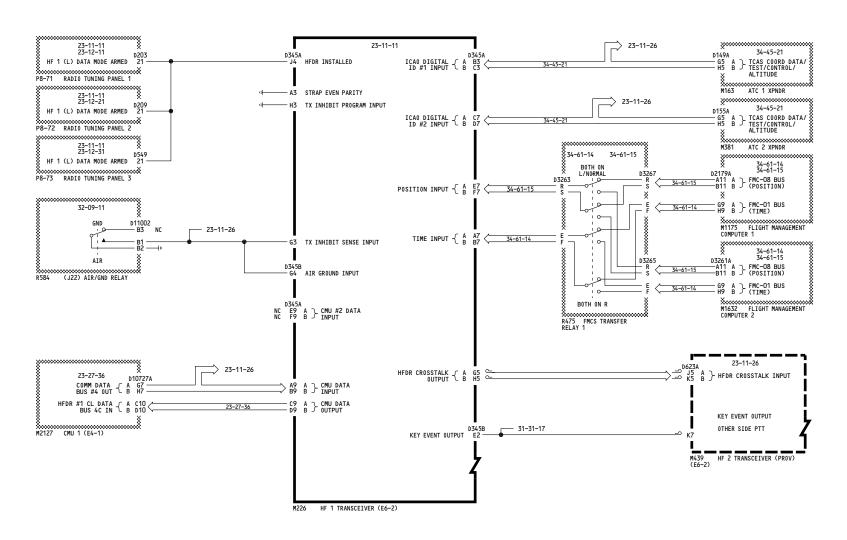
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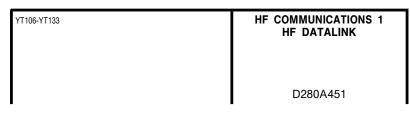
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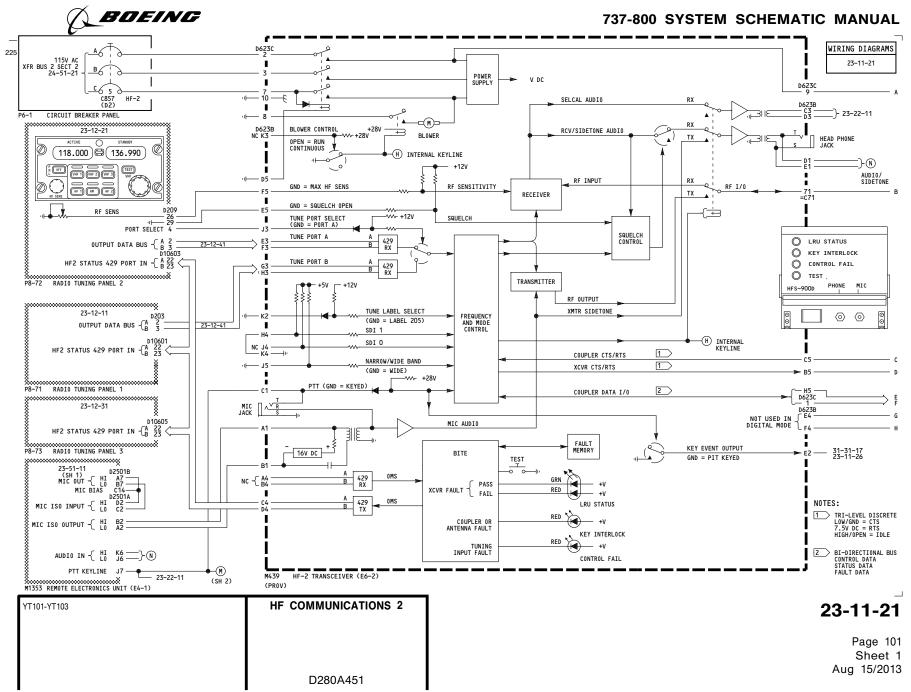


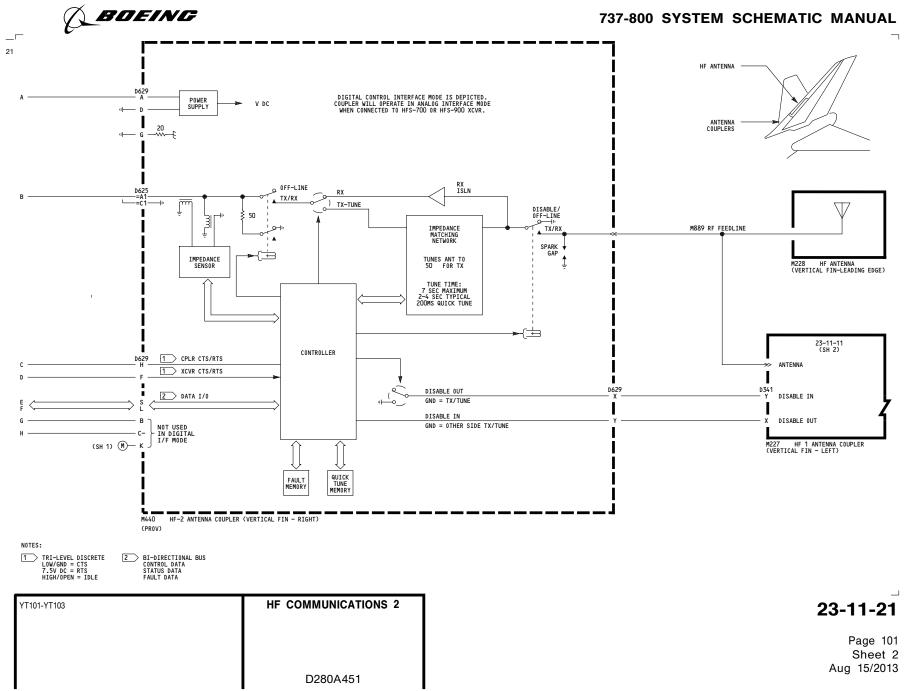


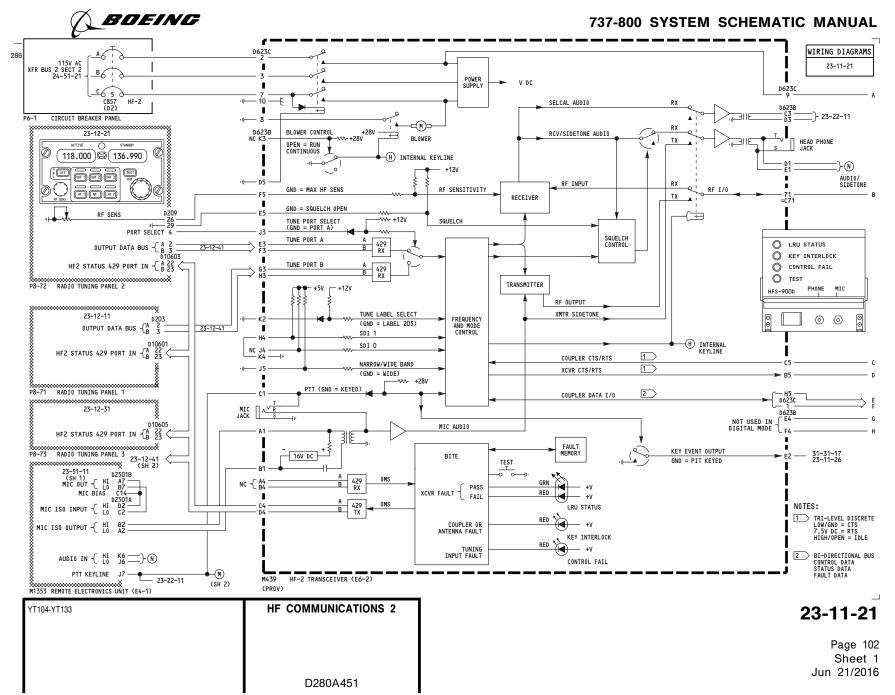
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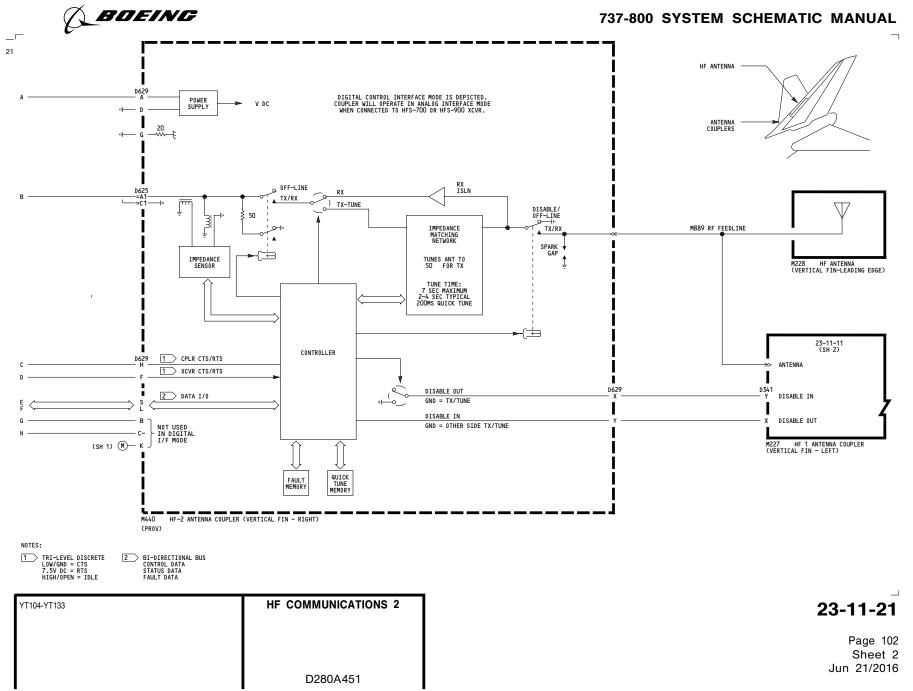
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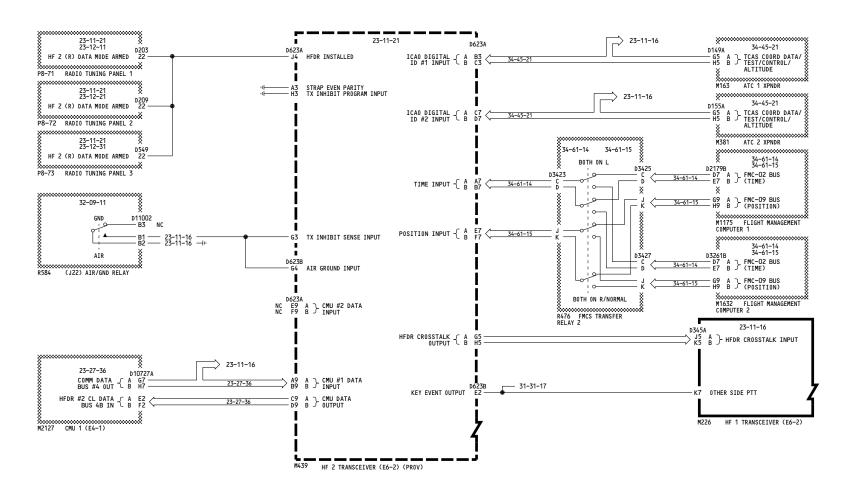












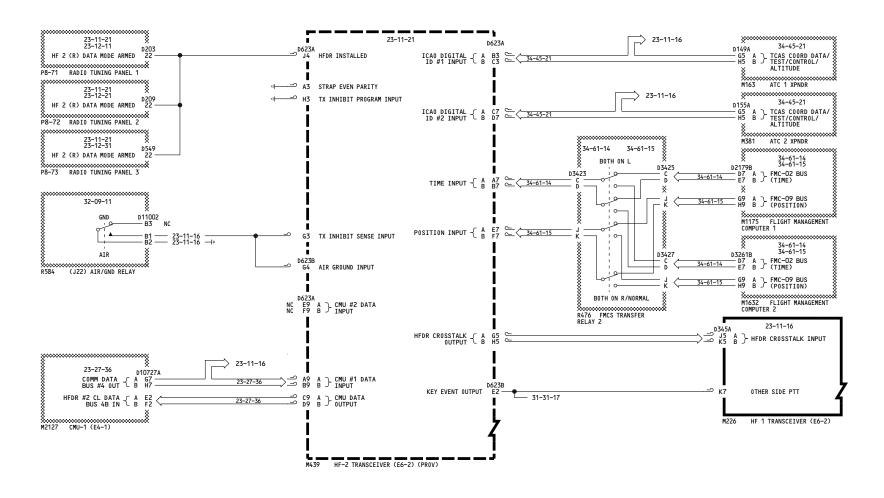
YT101-YT105	HF COMMUNICATIONS 2 HF DATALINK
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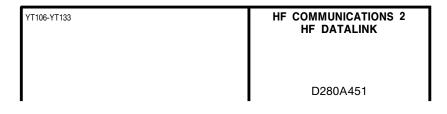
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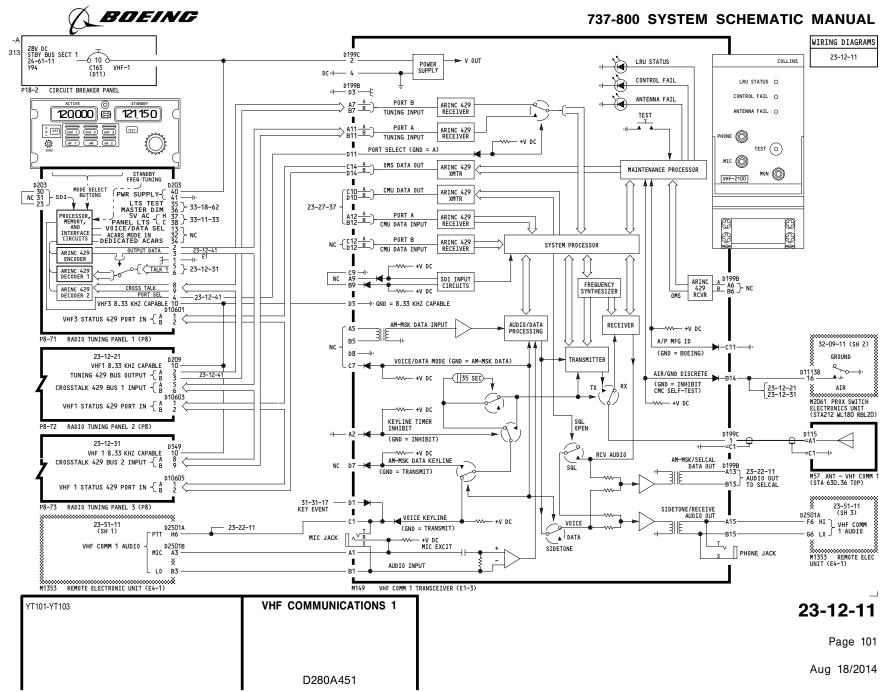


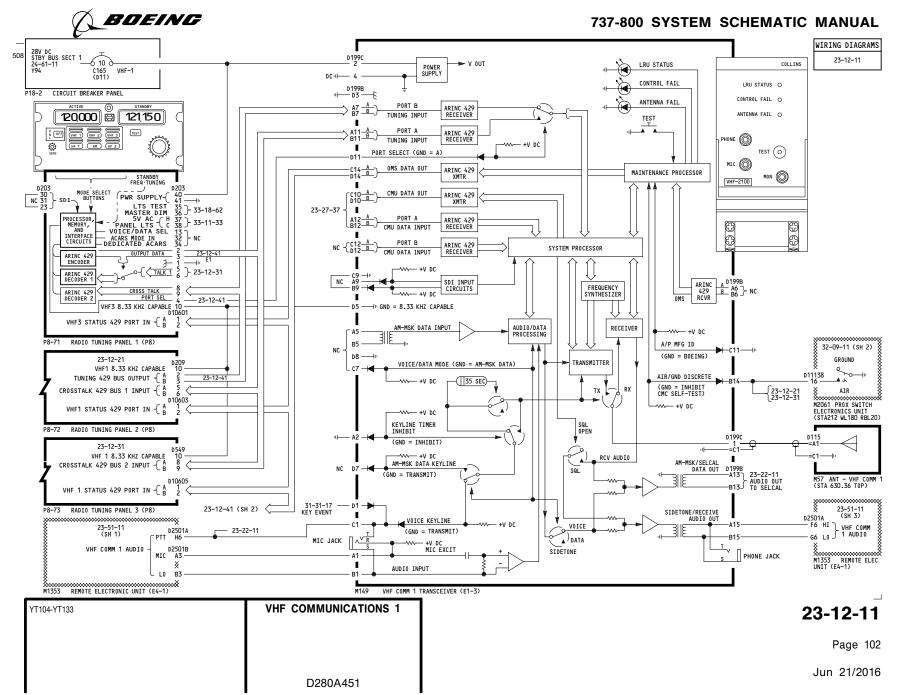


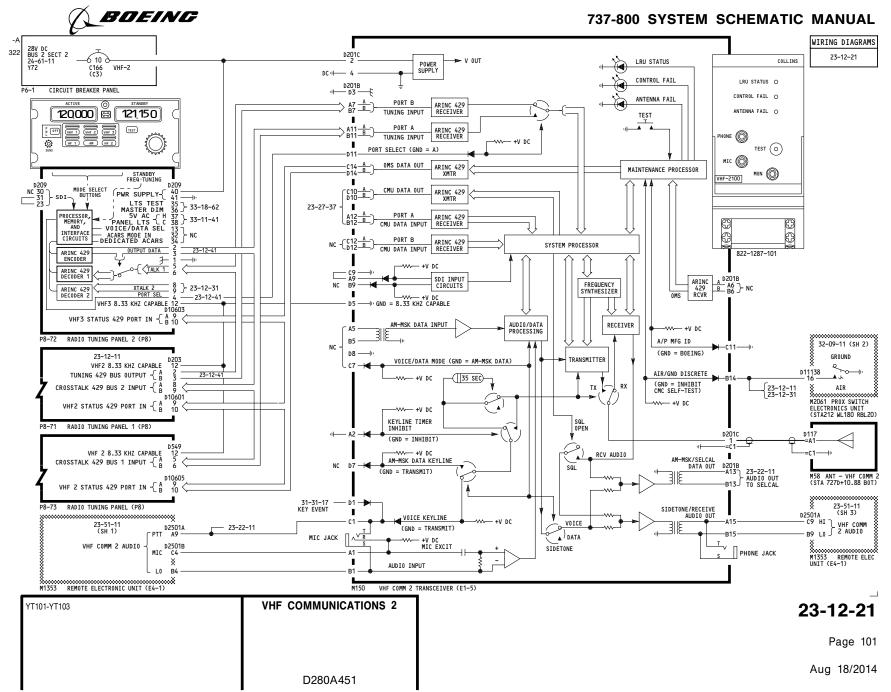
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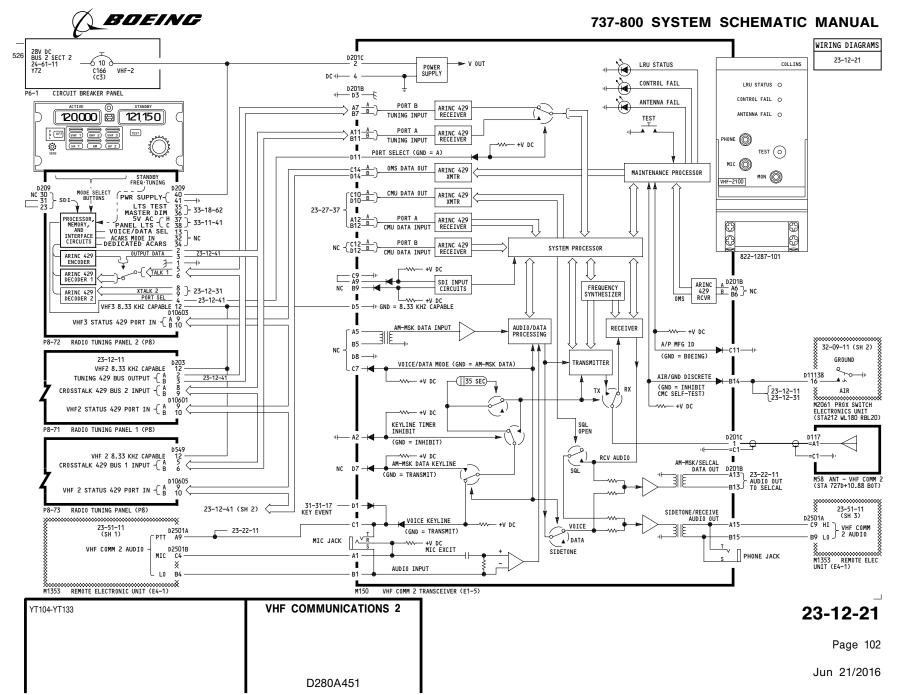
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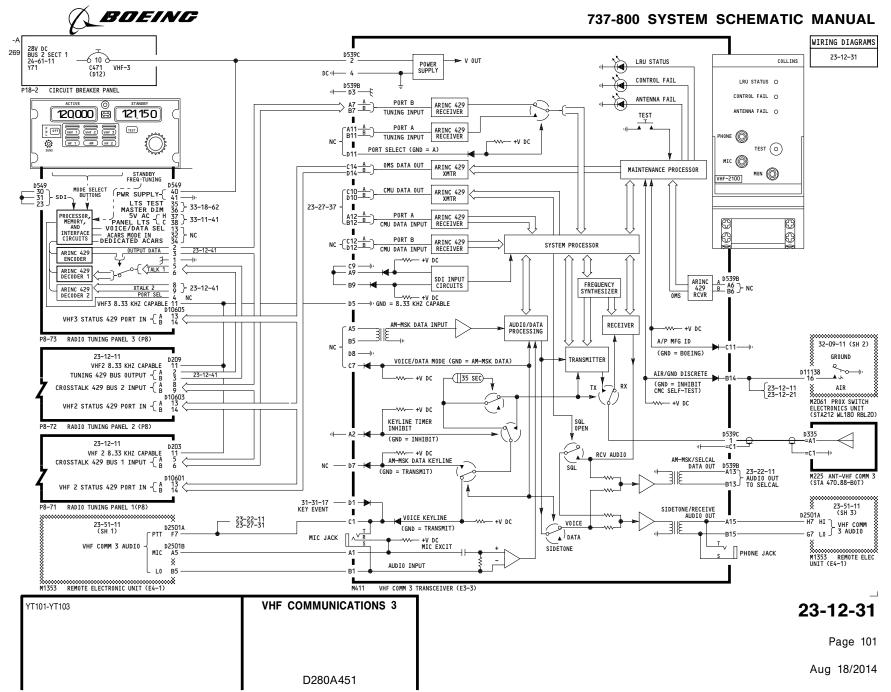
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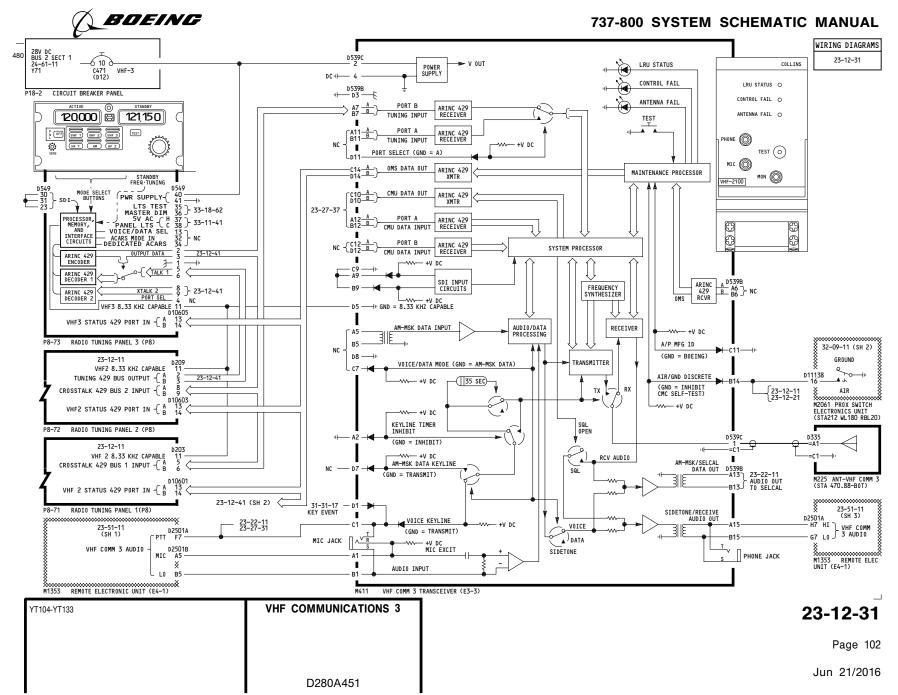












BOEING 737-800 SYSTEM SCHEMATIC MANUAL -A WIRING DIAGRAMS 0 N 131 D539B 23-12-31 A7 PORT B (IN) 23-12-31 23-12-31 LCD DISPLAYS OUTPUT BUS { A 429 I/0 SDI PINS 4 SDI PINS INPUT XTALK 1 -{ A PROCESSOR, MODE SELECT * BUTTONS * PORT SEL DISC MEMORY, M411 VHF COMM 3 TRANSCEIVER (E3-3) AND PNL OFF INPUT XTALK 2 -{ A STANDBY FREQ TUNING INTERFACE × ××× ××× ××× D623B 23-11-21 X E3 } PORT A (IN) D623B CIRCUITS CROSS-TUNE ANNUNCIATOR VHF-C ARMED VHF-R ARMED VHF-L ARMED 23-27-31 -(W)-SDI PINS { H4 NC HF-1 DATA MODE ARMED 21 --- 23-11-16 FREQ XFER G3 } PORT B (IN) BUTTON HF-2 DATA MODE ARMED 22 --- 23-11-26 PORT SELECT (GND = PORT A) J3 RADIO TUNING PANEL 3 X XXX XXX XXX XXX M439 HF 2 TRANSCEIVER (E6-2) (PROV) 23-12-21 OUTPUT DATA BUS { { 23-12-21 INPUT XTALK BUS 1 - { 5 D201B ⇒A11 B11 → PORT A (IN) PORT SELECT (OUT) SDI PINS { A9 NC C9 • A7 } PORT B (IN) INPUT XTALK BUS 2 -{ 8 PORT SELECT (GND = PORT A) VHF-C ARMED 14 VHF-R ARMED 15 VHF-L ARMED 19 23-27-31 -D11 - SDI PINS M150 VHF COMM 2 TRANSCEIVER (E1-5) HF-1 DATA MODE ARMED 21 --- 23-11-16 HF-2 DATA MODE ARMED 22 --- 23-11-26 D345B 23-11-11 (SH 1) F3 PORT A (IN) RADIO TUNING PANEL 2 D345B × SDI PINS G3 } PORT B (IN) 23-12-11 PORT SELECT (GND = PORT A) J3 OUTPUT DATA BUS { { M226 HF 1 TRANSCEIVER (E6-2) INPUT XTALK BUS 1 ₹ PORT SELECT (OUT) INPUT XTALK BUS 2 { 23-12-11 D199R D203 ----- 30 NC 31 VHF-C ARMED VHF-R ARMED VHF-L ARMED $>_{B11}^{A11}$ PORT A (IN) - 23-27-31 - SDI PINS • SDI PINS -HF-1 DATA MODE ARMED 21 --- 23-11-16 A7 }- PORT B (IN) HF-2 DATA MODE ARMED 22 --- 23-11-26 NC C7 VOICE/DATA SEL PORT SELECT (GND = PORT A) RADIO TUNING PANEL 1 M149 VHF COMM 1 TRANSCEIVER (E1-3) **VHF/HF COMMUNICATIONS** YT101-YT103 23-12-41 Page 101 Aug 15/2013

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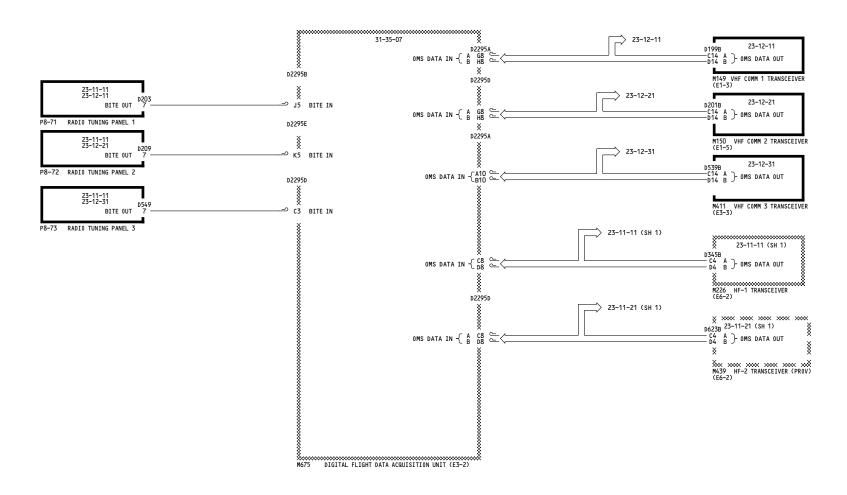
BOEING 737-800 SYSTEM SCHEMATIC MANUAL WIRING DIAGRAMS 0 N 228 D539B 23-12-31 A7 PORT B (IN) 23-12-31 23-12-31 LCD DISPLAYS OUTPUT BUS -{ A 429 I/0 SDI PINS 4 SDI PINS INPUT XTALK 1 -{ A PROCESSOR, MODE SELECT * BUTTONS * PORT SEL DISC MEMORY, M411 VHF COMM 3 TRANSCEIVER (E3-3) AND PNL OFF INPUT XTALK 2 -{ A STANDBY FREQ TUNING INTERFACE × ××× ××× ××× D623B 23-11-21 X E3 } PORT A (IN) D623B CIRCUITS CROSS-TUNE ANNUNCIATOR VHF-C ARMED VHF-R ARMED VHF-L ARMED - 23-27-31 -(W)-SDI PINS { H4 NC HF-1 DATA MODE ARMED 21 --- 23-11-16 FREQ XFER G3 } PORT B (IN) BUTTON HF-2 DATA MODE ARMED 22 --- 23-11-26 PORT SELECT (GND = PORT A) J3 RADIO TUNING PANEL 3 X XXXX XXX XXX XXX M439 HF 2 TRANSCEIVER (E6-2) (PROV) 23-12-21 OUTPUT DATA BUS { { 23-12-21 INPUT XTALK BUS 1 - { 5 D201B ⇒A11 B11 → PORT A (IN) PORT SELECT (OUT) SDI PINS { A9 NC C9 • A7 } PORT B (IN) INPUT XTALK BUS 2 -{ 8 PORT SELECT (GND = PORT A) VHF-C ARMED 14 VHF-R ARMED 15 VHF-L ARMED 19 23-27-31 -D11 - SDI PINS M150 VHF COMM 2 TRANSCEIVER (E1-5) HF-1 DATA MODE ARMED 21 --- 23-11-16 HF-2 DATA MODE ARMED 22 --- 23-11-26 D345B 23-11-11 (SH 1) F3 PORT A (IN) RADIO TUNING PANEL 2 D345B × SDI PINS G3 } PORT B (IN) 23-12-11 PORT SELECT (GND = PORT A) J3 OUTPUT DATA BUS { { M226 HF 1 TRANSCEIVER (E6-2) INPUT XTALK BUS 1 ₹ PORT SELECT (OUT) INPUT XTALK BUS 2 { 23-12-11 D199R D203 ----- 30 NC 31 VHF-C ARMED VHF-R ARMED VHF-L ARMED >A11 B11 → PORT A (IN) - 23-27-31 - SDI PINS • SDI PINS -HF-1 DATA MODE ARMED 21 --- 23-11-16 A7 }- PORT B (IN) HF-2 DATA MODE ARMED 22 --- 23-11-26 NC C7 VOICE/DATA SEL PORT SELECT (GND = PORT A) RADIO TUNING PANEL 1 M149 VHF COMM 1 TRANSCEIVER (E1-3) **VHF/HF COMMUNICATIONS** YT104-YT133 23-12-41 Page 102 Sheet 1

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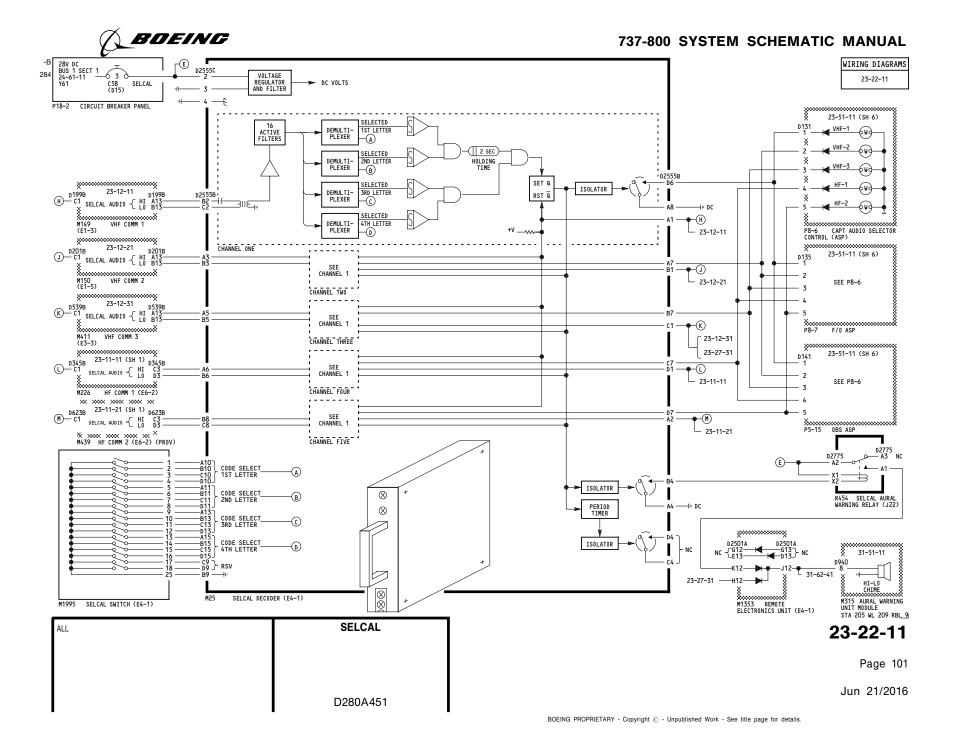
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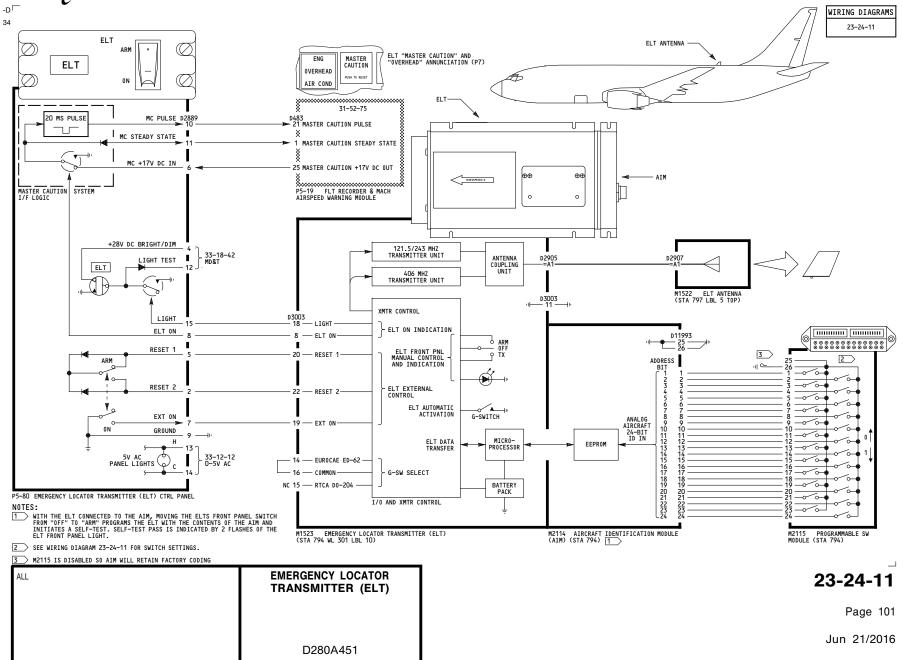
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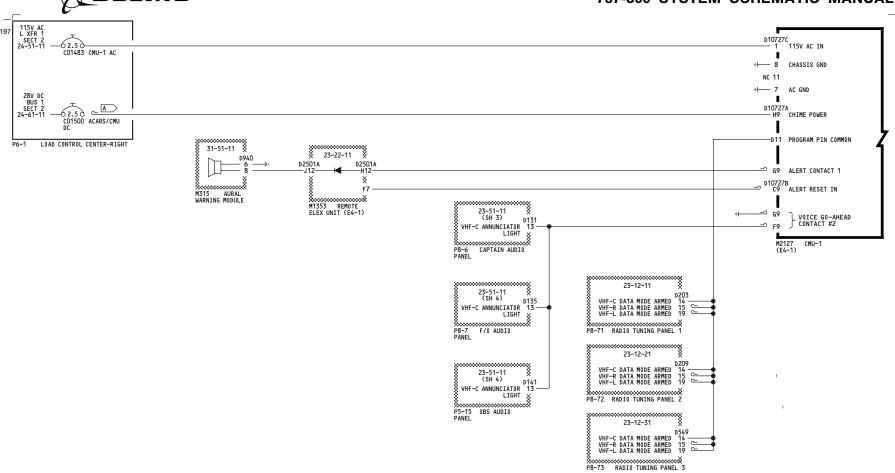
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ALL	ACARS/CMU - POWER & CONTROL
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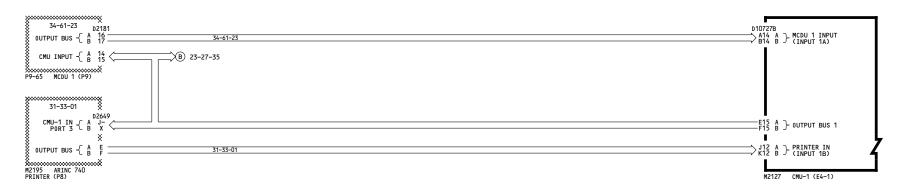
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ACARS/CMU OUTPUT BUS 1
INTERFACES

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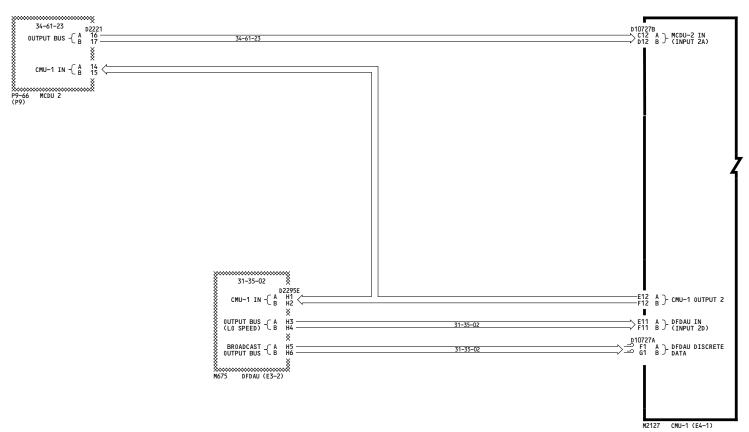
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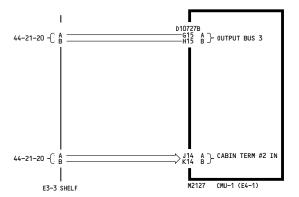
ALL	ACARS/CMU - OUTPUT BUS 2 INTERFACES
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ACARS/CMU OUTPUT BUS 3
INTERFACES

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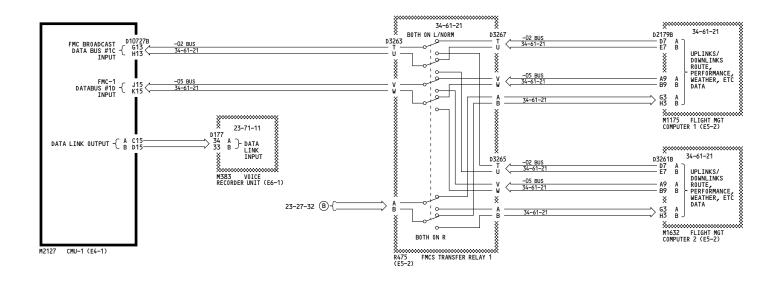
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ACARS/CMU 716 VHF AND FMC
INTERFACES

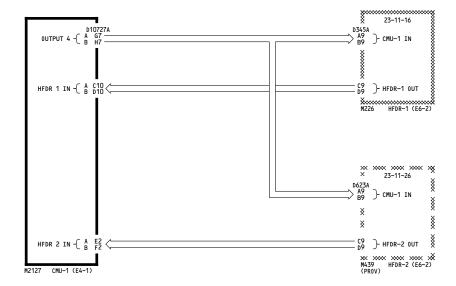
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ACARS/CMU - OUTPUT BUS 4 INTERFACES

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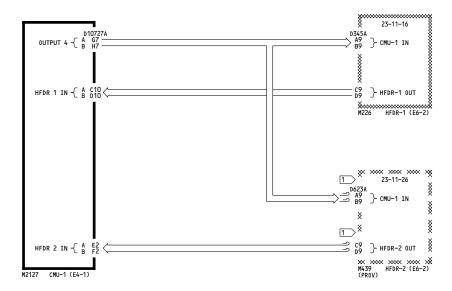
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NOTES:

1 CAP & STOW NEAR CONNECTOR D623A

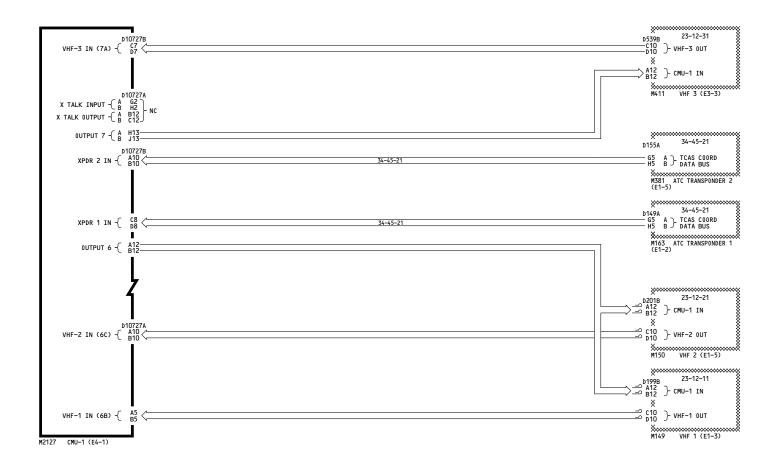
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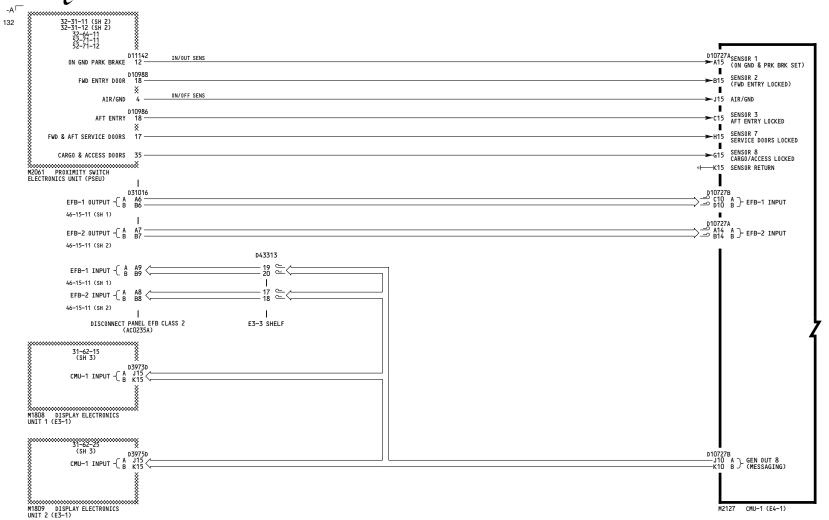
ACARS/CMU OUTPUT BUS 6 AND BUS 7
INTERFACES

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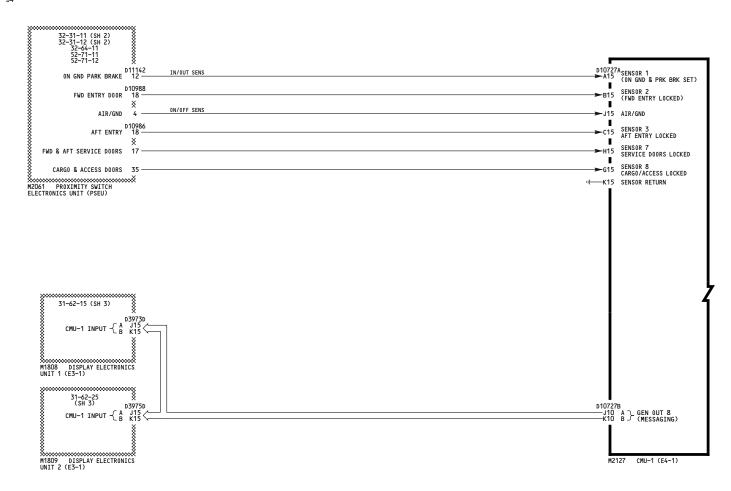




YT101-YT120	ACARS/CMU - OOOI, CREW ADVISORIES	23-27-38
	AND OUTPUT 8	Page 101
	D280A451	Mar 14/2016

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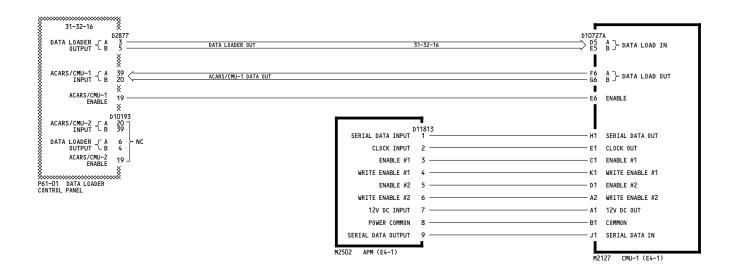
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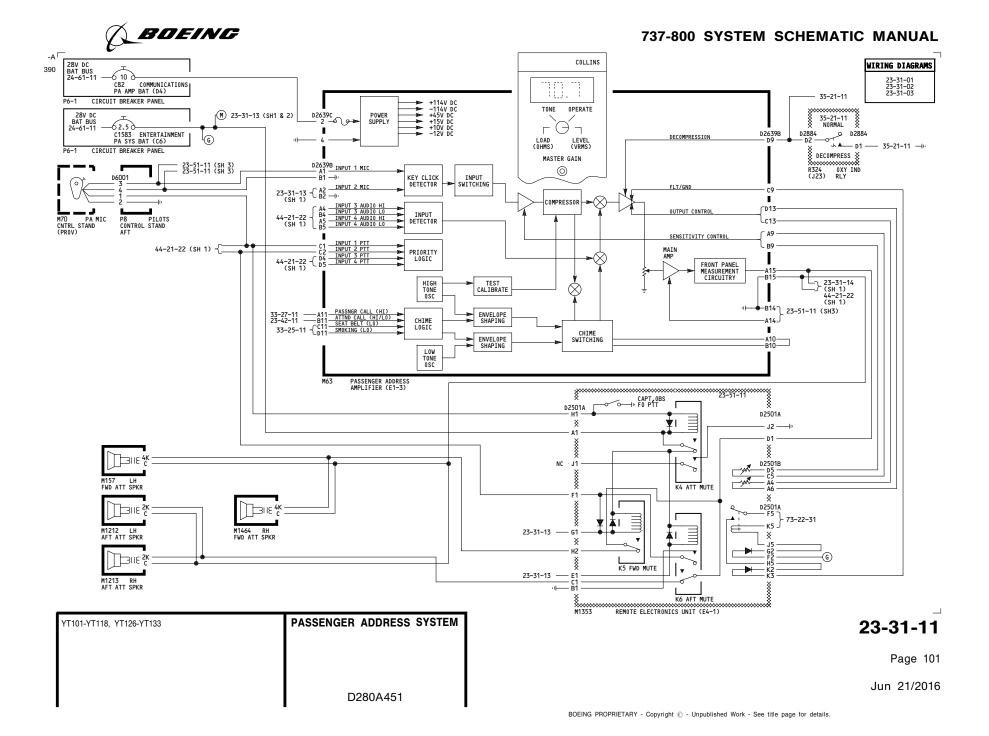


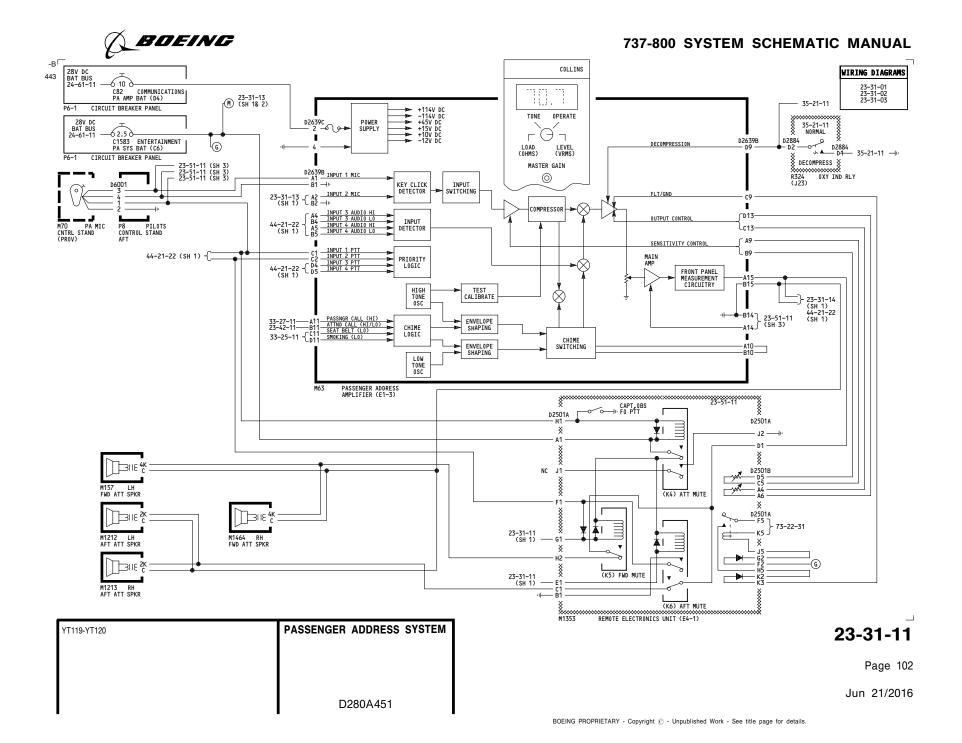
ACARS/CMU DATA LOADER AND
PROGRAM PINS

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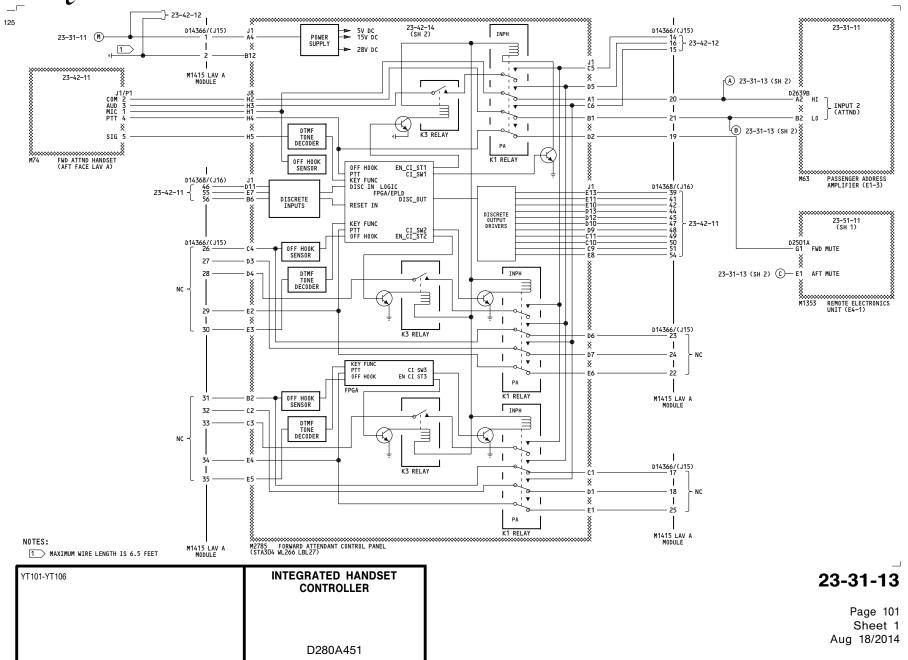
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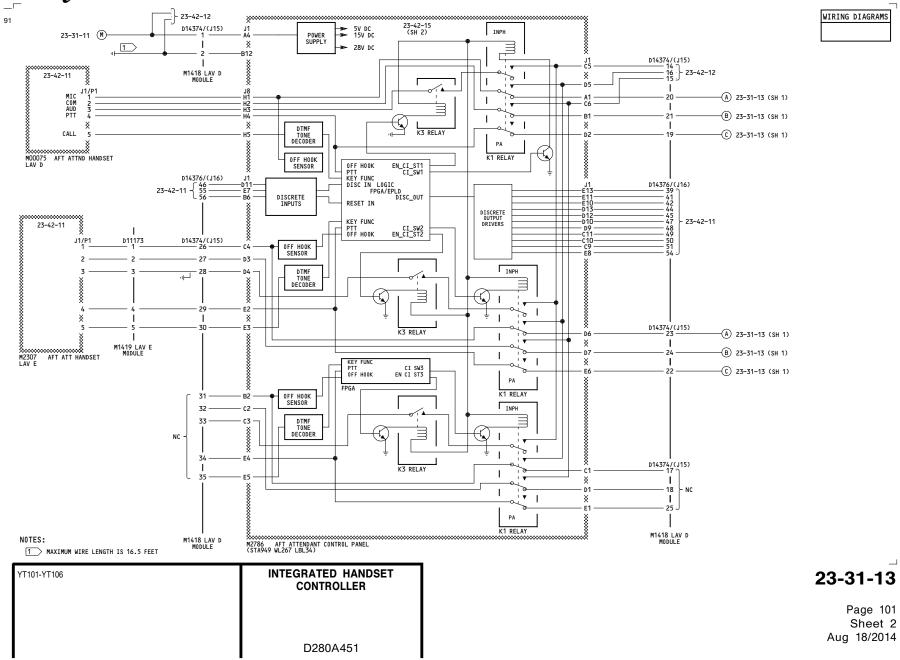




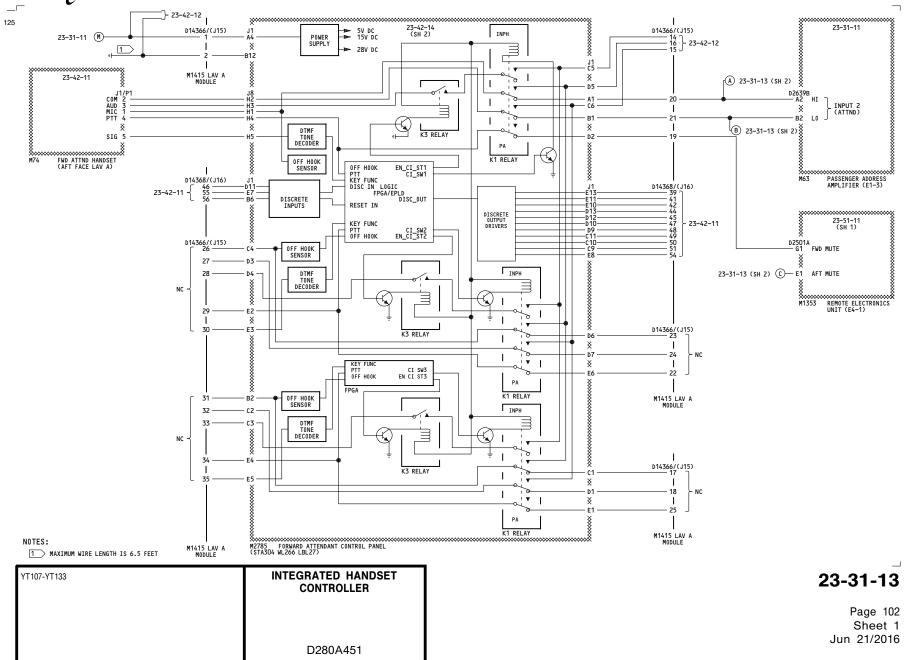


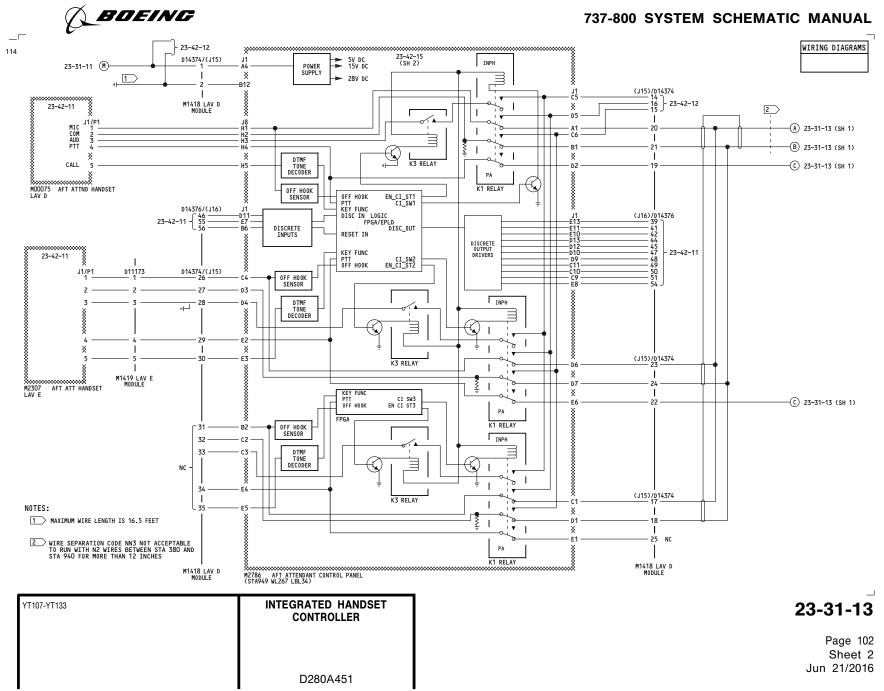










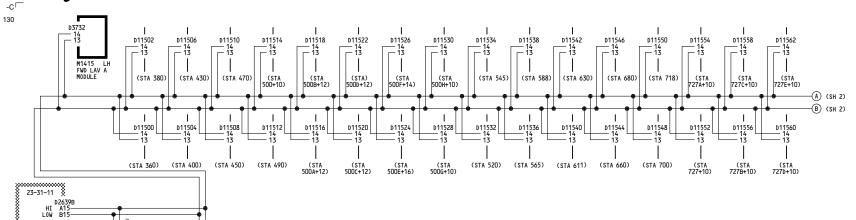


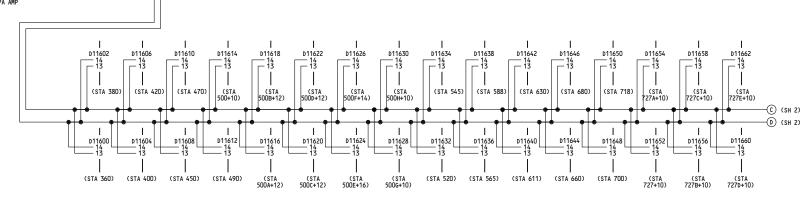
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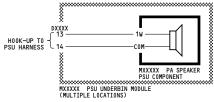
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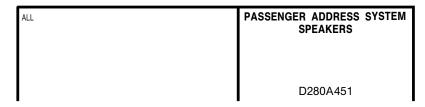
M63 (E1-3)

737-800 SYSTEM SCHEMATIC MANUAL









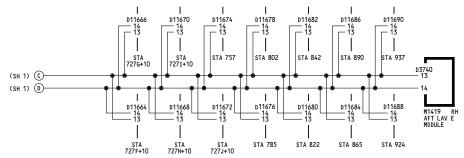
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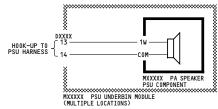
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| D11566 — 14 ┌ 13 | | 011570 |— 14 |— 13 D11574 — 14 — 13 D11578 — 14 — 13 D11582 — 14 — 13 D11586 — 14 — 13 D11590 — 14 — 13 (STA 727G+10) (STA 727I+10) (STA 890) (STA 757) (STA 802) (STA 842) (STA 937) (SH 1) A (SH 1) B-D11584 M1418 LI AFT LAV D MODULE (STA 727H+10) (STA 785) (STA 822) (STA 865) (STA 924)





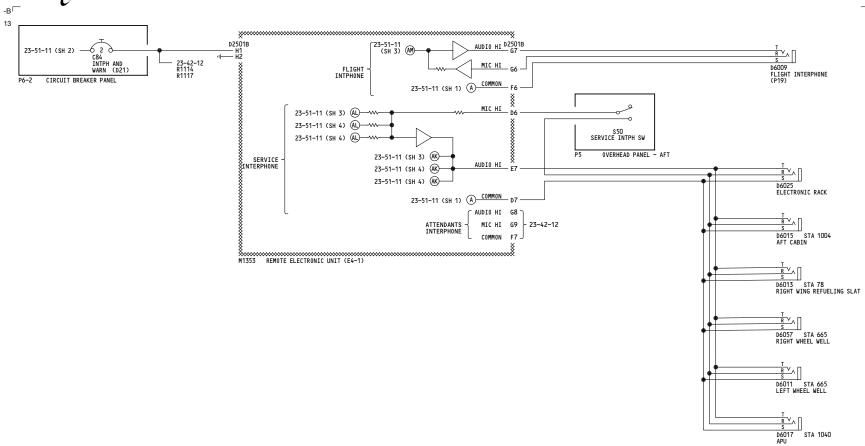
ALL	PASSENGER ADDRESS SYSTEM SPEAKERS
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737-800 SYSTEM SCHEMATIC MANUAL



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BOEING 737-800 SYSTEM SCHEMATIC MANUAL -A WIRING DIAGRAMS 28V DC 193 BUS 1 SEC 1 24-61-11 (SH 1) 23-42-14 (SH 2) 23-42-11 C73 PASSENGER CABIN CREW CALL (A9) D14368/(J16) NC 55 - 23-43-11 ALERT 31-51-11 × D940 FWD ALERT CHIME AFT IHC LOC HIGH TONE CHIME NC P18-3 CIRCUIT BREAKER PANEL -D12 LOCAL SPEAKER NC × MUTE M315 AURAL WARNING MODULE (P9 AFT FACE) -E10 FWD OPT ATT HS EN NC × P1/J1 CABIN CALL CHIME FWD CALL LIGHT 28V DC (LATCHED) MIC HI MIC RESET 23-43-11 H00K × 2 COM REC 33-51-14 33-27-11 - E8 FD CALL RESET -D11 FLIGHT DECK CALL INPUT S36 ATTENDANT CALL SWITCH (P5) AUD AUD D10180 D10180 -D10 AFT CABIN CALL LIGHT D9 FWD CABIN CALL LIGHT CALL 33-27-11 -C11 CREW CALL RESET T T T T NC 50 -C10 FLIGHT DECK ALERT LIGHT L1223 EXIT LOCATOR SIGN (STA964 WL293 BLO) (AFT DOOR CEILING) NC · 51 C9 CABIN ALERT CHIME PTT 4 PTT PTT M1415 LAV A MODULE MIC &....X M2785 FORWARD ATTENDANT CONTROL PANEL (STA304 WL266 LBL27) (STA305 WL290 33-51-12 33-27-11 M74 FWD ATT HANDSET (LAV A) (STA304 WL256 LBL26) LBL16) D3160 D3160 23-42-15 (SH 2) D14376/(J16) P1/J1 33-27-11 23-31-11 -C11 CREW CALL RESET MIC HI TWO TONE B11— CHIME X GND AUD L1086 EXIT LOCATOR SIGN (STA304 WL285 BL0) (FWD DOOR CEILING) B6 AFT IHC LOC SEE M74 × -E10 FWD OPT ATT HS EN NC 42 M63 PASSENGER ADDRESS AMPLIFIER (E1-3) •:: × M75 AFT ATT HANDSET (LAV D) (STA949 WL256 LBL28) -E13 FWD ALERT CHIME FD CALL RESET LOCAL SPEAKER (J15)/D14374 26 27 27 28 D11173 P1/J1 MUTE -D13 CABIN CALL CHIME MIC HI GND C AUD 123 456 -E11 FWD CALL LIGHT 28V DC SEE M74 (LATCHED) 789 × 23-43-11 -CALL PTT D9 FWD CABIN CALL LIGHT * 0 # ALERT 0 46 -D11 FLIGHT DECK CALL INPUT M1418 LAV D MODULE M1419 LAV E M2307 AFT ATT HANDSET (LAV E) (STA949 WL256 RBL28) MODILLE NC 47 -D10 AFT CABIN CALL LIGHT 50 -C10 FLIGHT DECK ALERT LIGHT - C9 CABIN ALERT CHIME l · 51 M1418 LAV D MODULE (STA950 M2786 AFT ATTENDANT CONTROL PANEL (STA949 WL267 LBL34) FLIGHT AND GROUND CREW YT101-YT105, YT126-YT133 23-42-11 CALL Page 101 Jun 21/2016 D280A451

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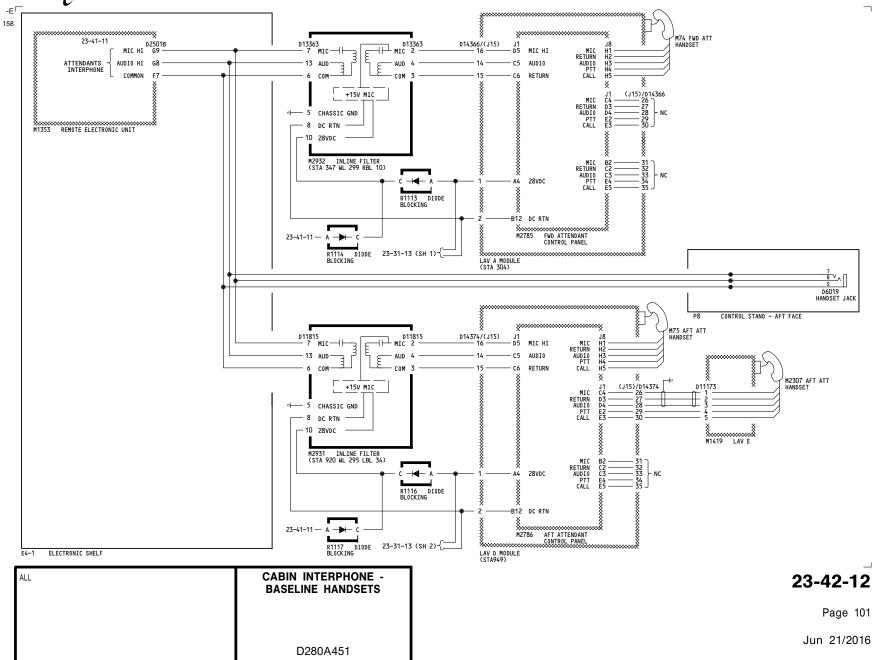
BOEING 737-800 SYSTEM SCHEMATIC MANUAL WIRING DIAGRAMS 28V DC 23-42-14 (SH 2) 199 BUS 1 SEC 1 23-42-11 D14368/(J16) NC 55 -62.50 24-61-11 (SH 1) J1 E7 ALERT C73 PASSENGER CABIN CREW CALL (A9) - 23-43-11 31-51-11 _{D940} HI TONE -E13 FWD ALERT CHIME -B6 AFT IHC LOC NC LO TONE 9 -B P18-3 CIRCUIT BREAKER PANEL NC D12 LOCAL SPEAKER &.....X × MUTE M315 AURAL WARNING MODULE (P9 AFT FACE) E10 FWD OPT ATT HS EN NC. P1/J1 CABIN CALL CHIME M FWD CALL LIGHT 28V DC (LATCHED) MIC HI MIC RESET 23-43-11 H00K × COM 33-51-14 33-27-11 - E8 FD CALL RESET -D11 FLIGHT DECK CALL INPUT AUD DTMF S36 ATTENDANT CALL SWITCH (P5) DECODER AUD D10180 D10180 -D10 AFT CABIN CALL LIGHT D9 FWD CABIN CALL LIGHT CALL H5 33-27-11 -C11 CREW CALL RESET P 0 P P F P C10 FLIGHT DECK ALERT LIGHT L1223 EXIT LOCATOR SIGN (STA964 WL293 BLO) (AFT DOOR CEILING) NC 51 C9 CABIN ALERT CHIME M1415 LAV A MODULE PTT 33-51-12 33-27-11 &....X M2785 FORWARD ATTENDANT CONTROL PANEL (STA304 WL266 LBL27) (STA305 WL290 M74 FWD ATT HANDSET (LAV A) (STA304 WL256 LBL26) D3160 — 6 — D3160 -6Pg 33-27-11 23-31-11 23-42-15 (SH 2) L1086 EXIT LOCATOR SIGN (STA304 WL285 BL0) (FWD DOOR CEILING) D14376/(J16) J8 H1 H2 H3 P1/J1 TWO TONE CHIME CREW CALL RESET MIC HI GND AUD AFT IHC LOC - B6 SEE M74 CALL × M63 PASSENGER ADDRESS AMPLIFIER (E1-3) NC 42 -E10 FWD OPT ATT HS EN •: :• AFT ATT HANDSET (LAV D) (STA949 WL256 LBL28) -F13 FWD ALERT CHIME 23-43-11 FD CALL RESET LOCAL SPEAKER (J15)/D14374 D11173 P1/.I1 1 2 3 -D13 CABIN CALL CHIME D12759 INACTIVE 456 E11 FWD CALL LIGHT 28V DC SEE M74 × (LATCHED) D12759 789 -(A) D9 FWD CABIN CALL LIGHT **③ ◎** ALERT PASSENGER ADDRESS PUSH TO TALK -D11 FLIGHT DECK CALL INPUT M1418 LAV D MODULE LAV E DISCONNECT M2307 AFT ATT HANDSET (LAV E) (STA949 WL256 RBL28) 23-42-14 SH 1 33-18-37 NC 47 -D10 AFT CABIN CALL LIGHT D14364/(J14) ACTIVE 50 C10 FLIGHT DECK ALERT LIGHT R1046 CABIN READY (J20) C9 CABIN ALERT CHIME ۱ ۱ CABIN READY M1418 LAV D MODULE (STA950 M2786 AFT ATTENDANT CONTROL PANEL (STA949 WL267 LBL34) S1148 CABIN READY (P5) FPGA M1415 LAV A MODULE SWITCH CIRCUITRY PROCESSOR 11492 CABIN READY (P5) M2785 FWD ATTENDANT CONTROL PANEL FLIGHT AND GROUND CREW 23-42-11 YT106-YT120 CALL Page 102

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BOEING 23-41-11

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BOEING 737-800 SYSTEM SCHEMATIC MANUAL WIRING DIAGRAMS 0 28V DC GND SERV BUS 24-61-11 23-42-14 D14370/(J18) C1936 ATTEND PANELS ➤ 3.3V DC SEE SH 2 00 POWER SUPPLY **→** 5V DC B 23-42-15 (SH 1) 00 CIRCUIT BREAKER PANEL (J18)/D14370 X 32-09-12 D10988 (SH 3) A3 -WEIGHT ON WHEELS E7 - 47 | ▶| | R1101 23-42-15 (SH 1) (A) RS 485+ RS 485-SHIELD Xxxxx M2061 485 BUS A4 A5 A6 A7 PSEU TIA 485 DRIVER 1 - 48 NC CELLPHONE ENABLE E8 33-24-11 (FWD/MID COVE, DIRECT & SIDEWALL L) FLIGHT DECK DOOR E9 TOKEN SIG TOKEN REF C) 23-42-15 (SH 1) DECOMPRESSION E10 RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF 485 BUS TIA 485 (J15)/D14366 33-22-11 (LEFT WASH/CROSSBIN & COS) DRIVER 2 SMOKE DETECTOR RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF 485 BUS B6 B7 TIA 485 DRIVER 3 33-22-11 (RIGHT CROSSBIN/WASH & COS) ENTERTAINMENT - 44-21-10 485 BUS C2 C2 C3 C4 RS 485+ RS 485-SHIELD TOKEN SIG TIA 485 DRIVER 4 33-21-11 (SIDEWALL R, AFT COVE & DIRECT) PROCESSOR (J14)/D14364 TOKEN REF CABIN TEMP - 21-61-13 23-42-15 (SH 1) (J18)/D14378 RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF 485 BUS TIA 485 DRIVER 5 WORK LIGHTS - (A22) 22 }- 33-26-11 FPGA DRIVERS THRESHOLD -{B24-C25-26 27 }- 33-29-11 M1418 LAV D MODULE 31-32-25 RELAYS 35 36 38 37 44-35-20 D2879 PC POWER D6 ENABLE IN AIR D12945 LCD/TS DRIVER CABIN READY - NC ______C1 ____ _____D3 NC 0.0131 + 0.0208 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 031-32-25 C2 (J16)/D14368 CARGO LIGHTS A24 A } DATA LOAD OUT LCD TOUCH SCREEN DISPLAY ▲—__ B1 429 SHIELD D14364/(J14) POTABLE WATER A/D CONVERTER (A) __ X1 ⇉ ON GND D23 SPECIAL FUNCTION 1 VACUUM WATER WASTE RO1066 ACP DATA LOAD 13 -D19 SPECIAL FUNCTION 2 RELAY (J39) -E28 SPECIAL FUNCTION 3 NOTES: M1415 LAV A MODULE (STA305 WL290 LBL 14) M1415 LAV A MODULE (STA305 WL290 LBL 14) M2785 FWD ATTENDANT CONTROL PANEL (STA304 WL267 LBL27) FORWARD ATTENDANT YT101-YT105

CONTROL PANEL D280A451

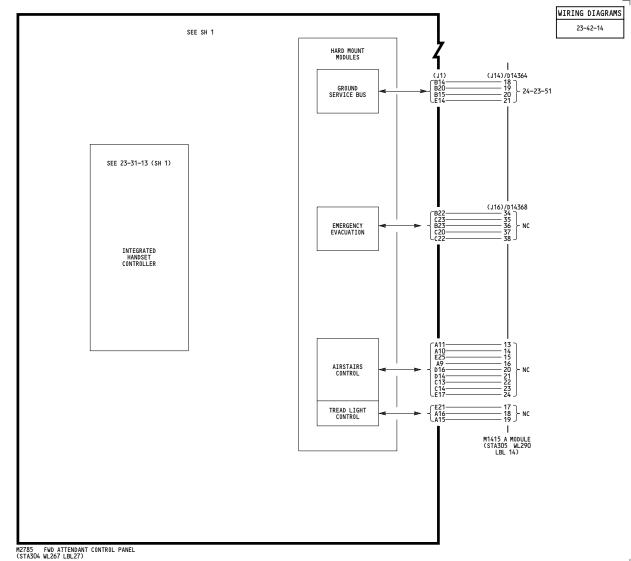
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737-800 SYSTEM SCHEMATIC MANUAL



YT101-YT105

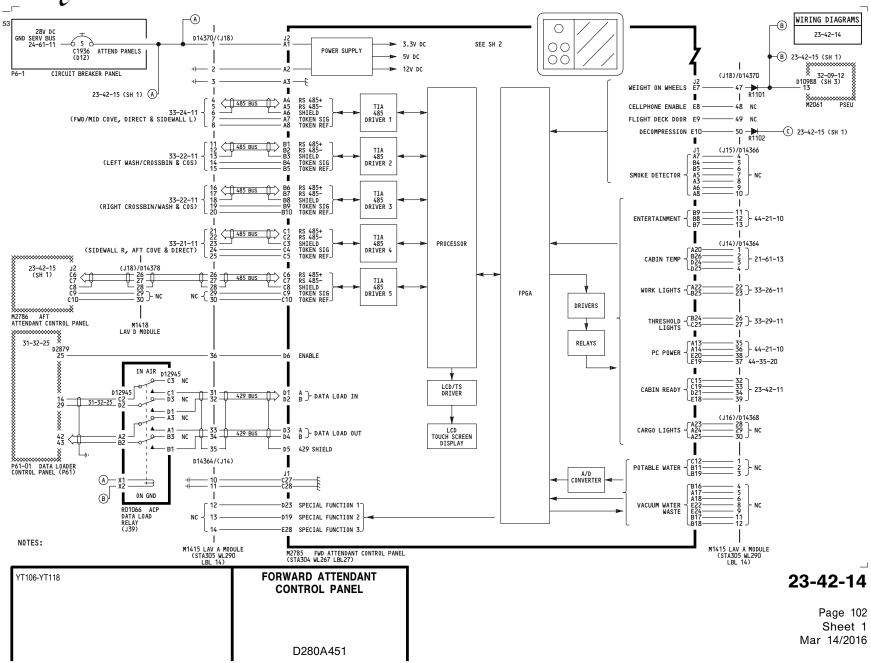
FORWARD ATTENDANT
CONTROL PANEL

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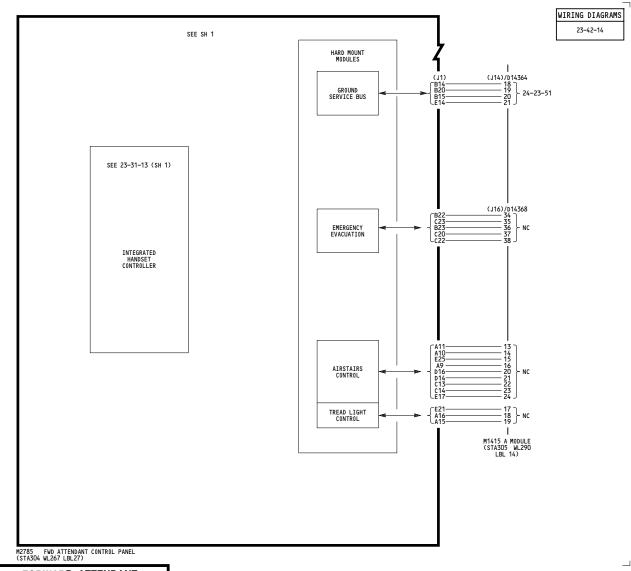
BOEING 28V DC GND SERV BUS 24-61-11 C1936 ATTEND PANELS CIRCUIT BREAKER PANEL





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737-800 SYSTEM SCHEMATIC MANUAL



PT106-YT118

FORWARD ATTENDANT
CONTROL PANEL

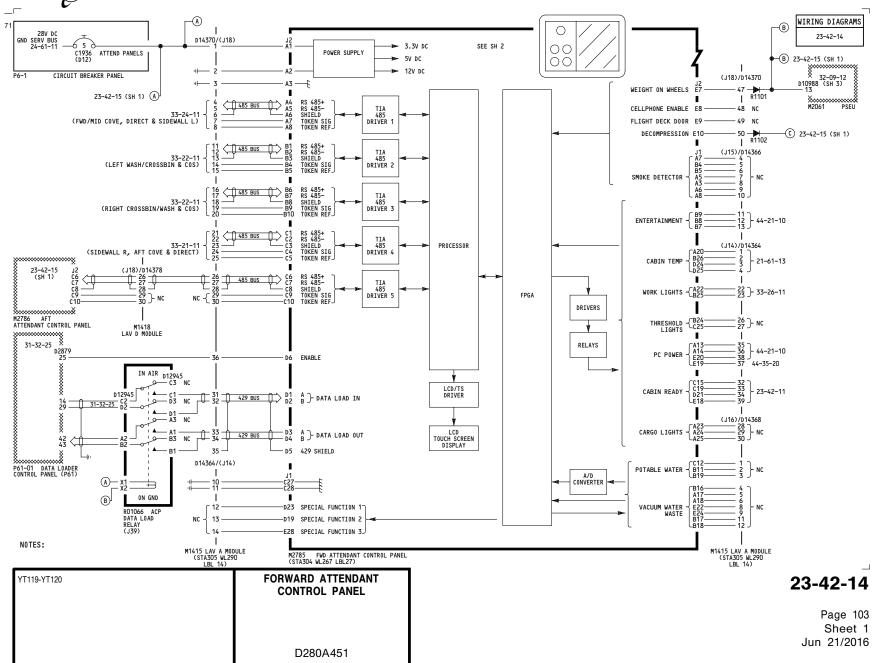
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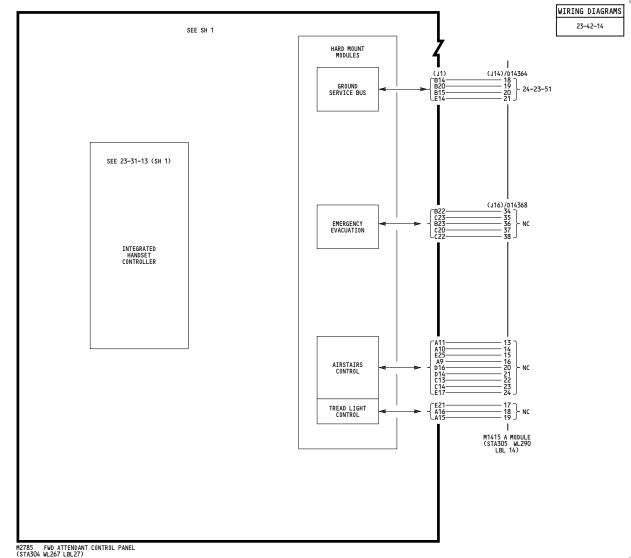


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FORWARD ATTENDANT CONTROL PANEL

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23-42-14

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BOEING 737-800 SYSTEM SCHEMATIC MANUAL -c「 WIRING DIAGRAMS 0 28V DC GND SERV BUS 24-61-11 23-42-14 D14370/(J18) -6 5 2 ➤ 3.3V DC SEE SH 2 00 C1936 ATTEND PANELS (D12) POWER SUPPLY **→** 5V DC B 23-42-15 (SH 1) 00 CIRCUIT BREAKER PANEL (J18)/D14370 X 32-09-12 D10988 (SH 3) A3 -WEIGHT ON WHEELS E7 - 47 | ▶| | R1101 23-42-15 (SH 1) (A) RS 485+ RS 485-SHIELD Xxxxx M2061 485 BUS A4 A5 A6 A7 PSEU TIA 485 DRIVER 1 - 48 NC CELLPHONE ENABLE E8 33-24-11 (FWD/MID COVE, DIRECT & SIDEWALL L) FLIGHT DECK DOOR E9 TOKEN SIG TOKEN REF 50 N R1102 C) 23-42-15 (SH 1) DECOMPRESSION E10 RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF 485 BUS TIA 485 (J15)/D14366 33-22-11 (LEFT WASH/CROSSBIN & COS) DRIVER 2 SMOKE DETECTOR RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF 485 BUS B6 B7 TIA 485 DRIVER 3 33-22-11 (RIGHT CROSSBIN/WASH & COS) - 44-21-10 485 BUS C2 C2 C3 C4 RS 485+ RS 485-SHIELD TOKEN SIG TIA 485 DRIVER 4 33-21-11 (SIDEWALL R, AFT COVE & DIRECT) PROCESSOR (J14)/D14364 TOKEN REF CABIN TEMP - 21-61-13 23-42-15 (J18)/D14378 RS 485+ RS 485-SHIELD TOKEN SIG TOKEN REF (SH 1) 485 BUS TIA 485 DRIVER 5 WORK LIGHTS - (A22) 22 }- 33-26-11 FPGA DRIVERS THRESHOLD -{B24-C25-26 27 }- 33-29-11 M1418 LAV D MODULE 31-32-25 RELAYS 35 36 38 37 NC ENTERTAINMENT (IFE, PC POWER, D2879 D6 ENABLE WIFIS TE20 IN AIR D12945 LCD/TS DRIVER CABIN READY - NC ______C1 ____ _____D3 NC 0.0131 + 0.0208 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 0.0008 + 031-32-25 C2 (J16)/D14368 A } DATA LOAD OUT LCD TOUCH SCREEN CARGO LIGHTS DISPLAY ▲—__ B1 429 SHIELD D14364/(J14) POTABLE WATER A/D CONVERTER (A) __ X1 ⇉ ON GND D23 SPECIAL FUNCTION 1 VACUUM WATER RO1066 ACP DATA LOAD WASTE 13 -D19 SPECIAL FUNCTION 2 RELAY (J39) -E28 SPECIAL FUNCTION 3 NOTES: M1415 LAV A MODULE (STA305 WL290 LBL 14) M1415 LAV A MODULE (STA305 WL290 LBL 14) M2785 FWD ATTENDANT CONTROL PANEL (STA304 WL267 LBL27) FORWARD ATTENDANT YT126-YT131 23-42-14 CONTROL PANEL Page 104 Sheet 1

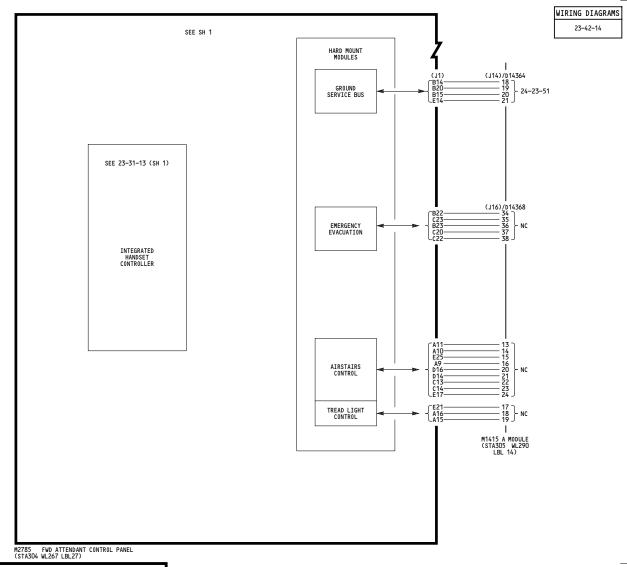
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737-800 SYSTEM SCHEMATIC MANUAL



YT126-YT131

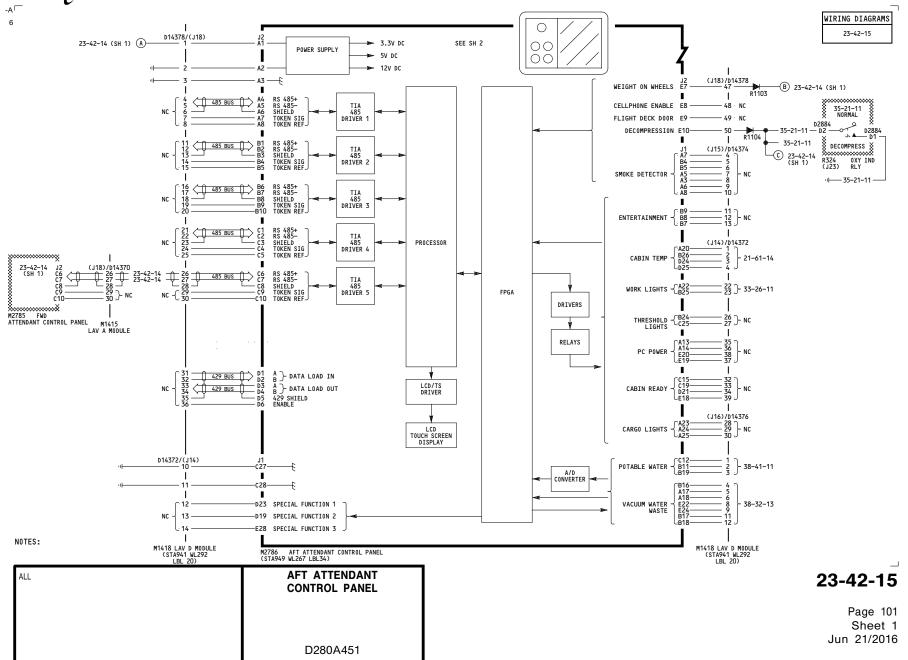
FORWARD ATTENDANT
CONTROL PANEL

D280A451

23-42-14

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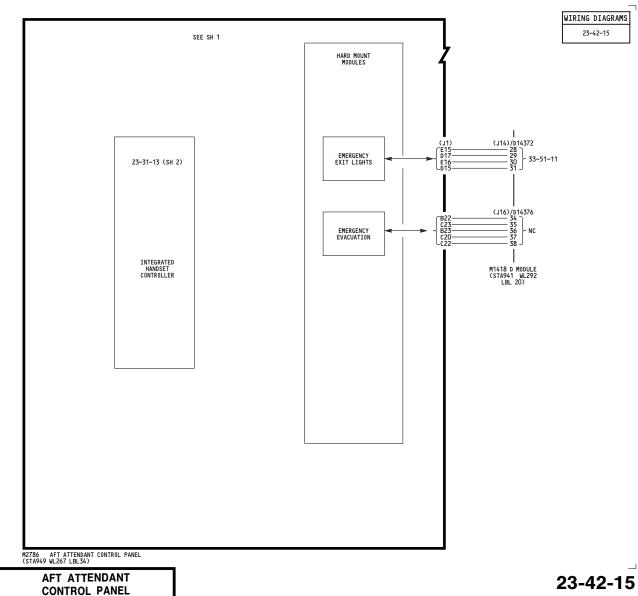


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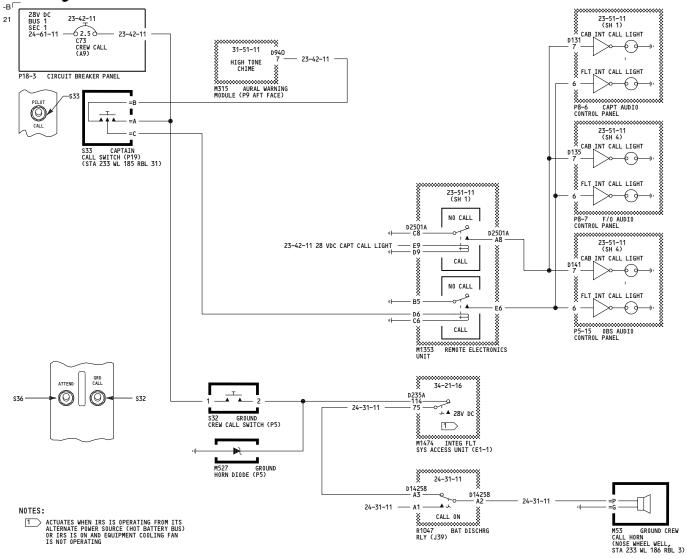
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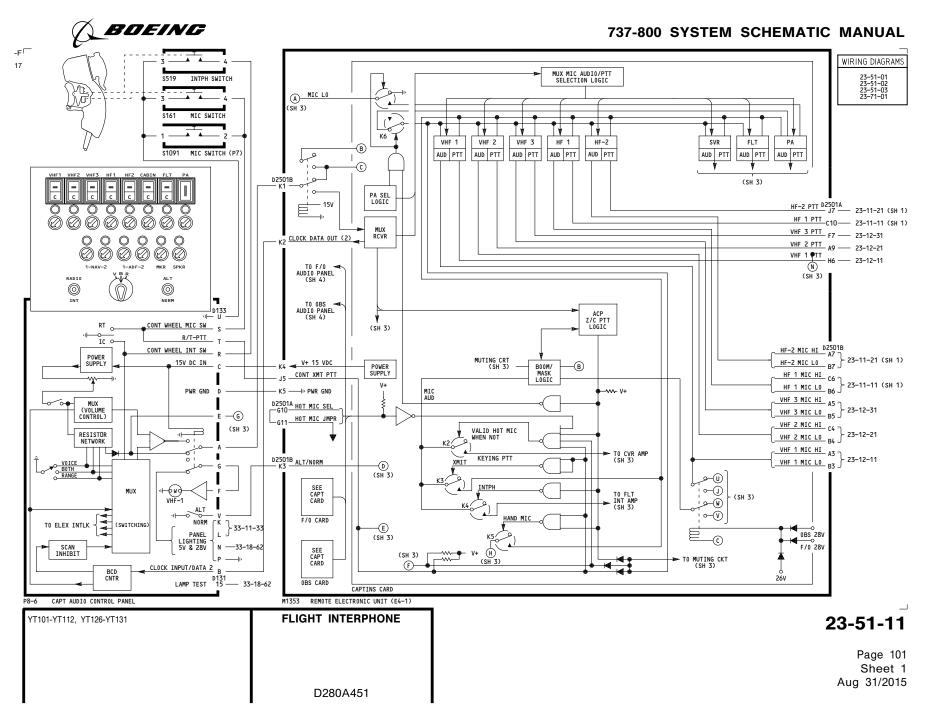
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D280A451

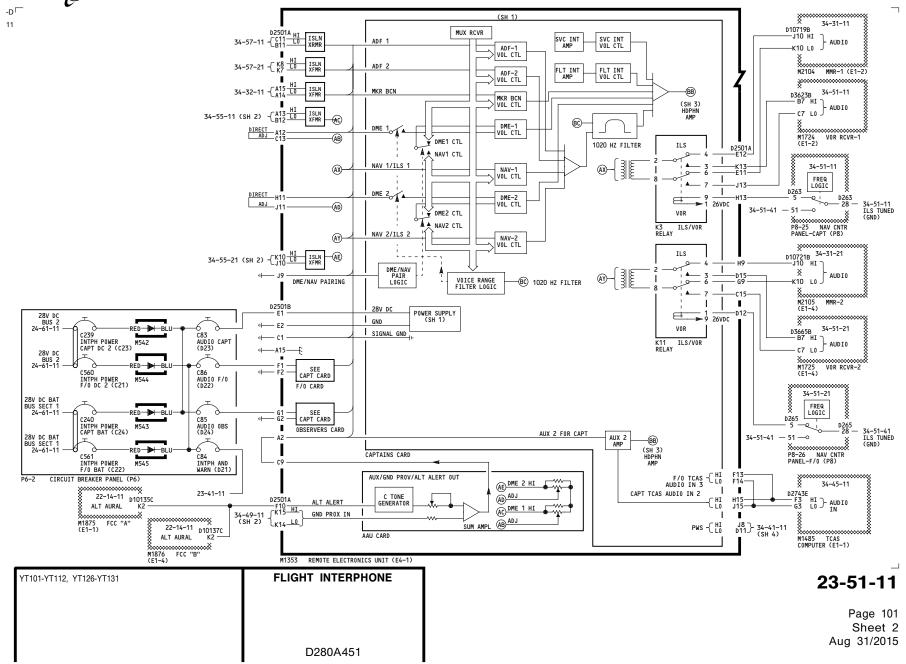
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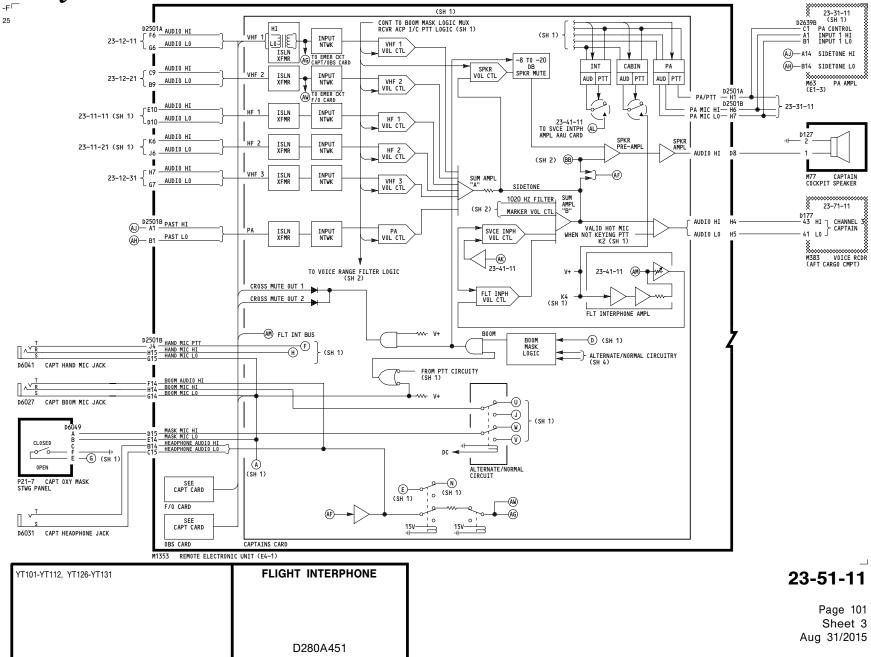


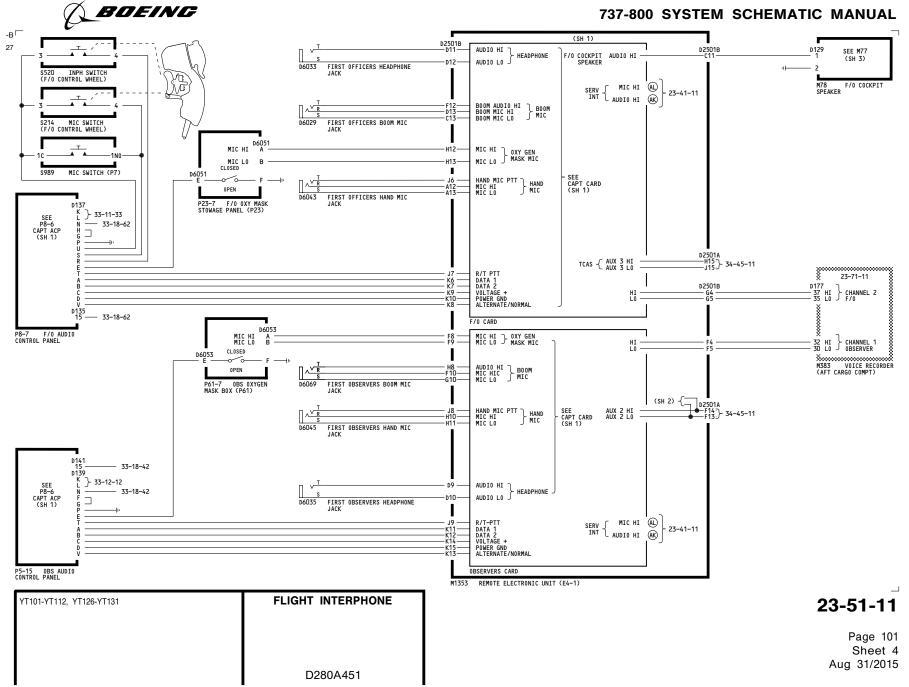






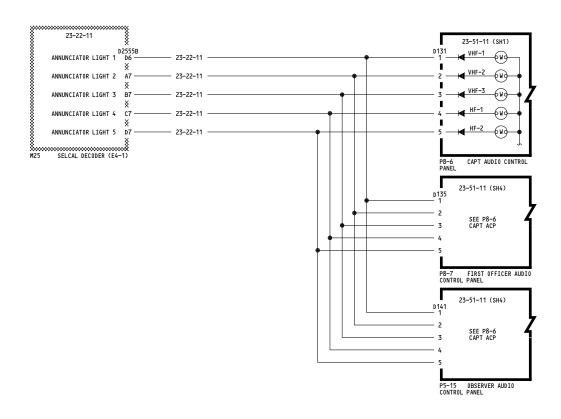








WIRING DIAGRAMS 23-22-11

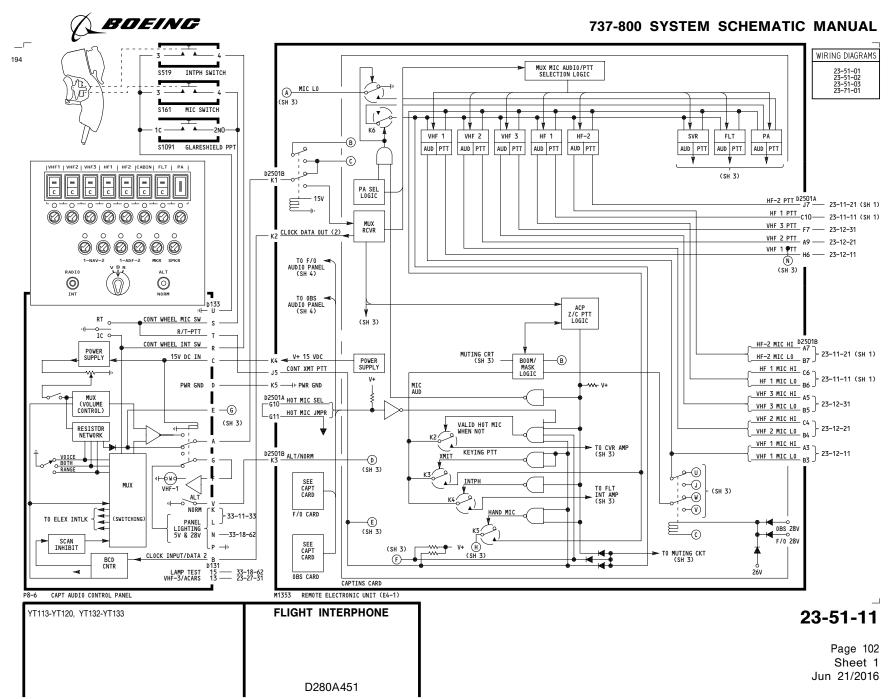


YT101-YT112, YT126-YT131	FLIGHT INTERPHONE
	D280A451

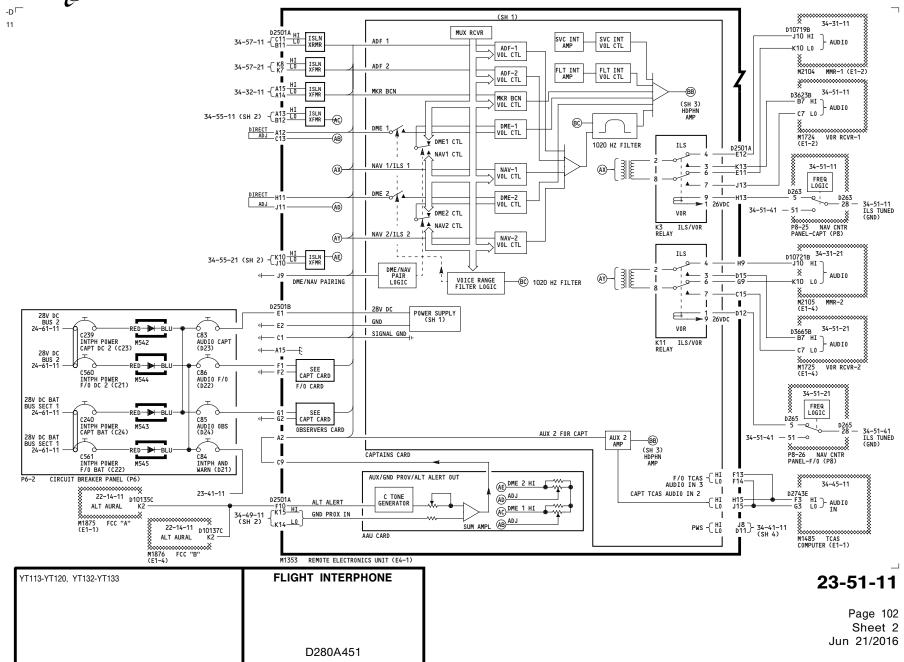
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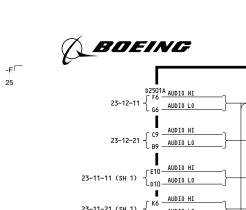
Page 101 Sheet 5 Aug 31/2015

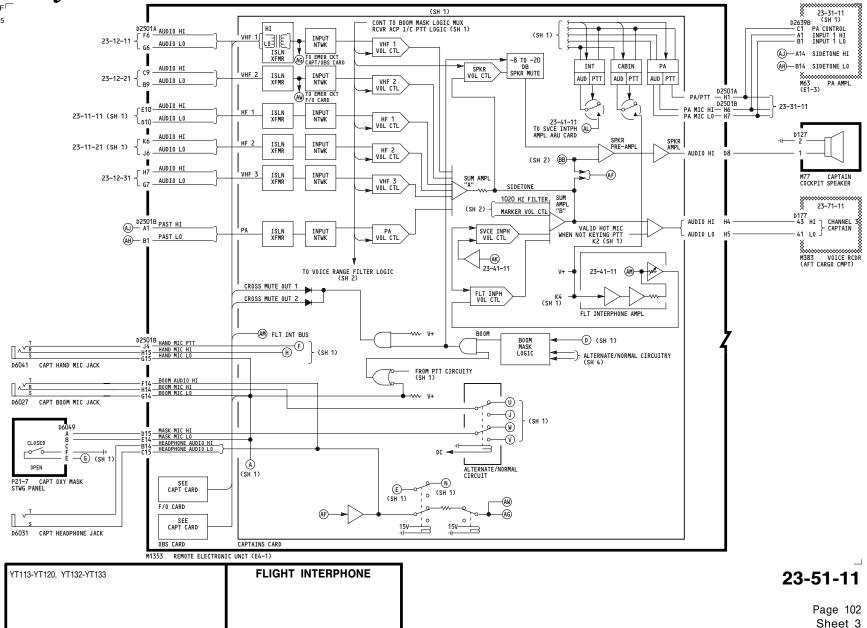








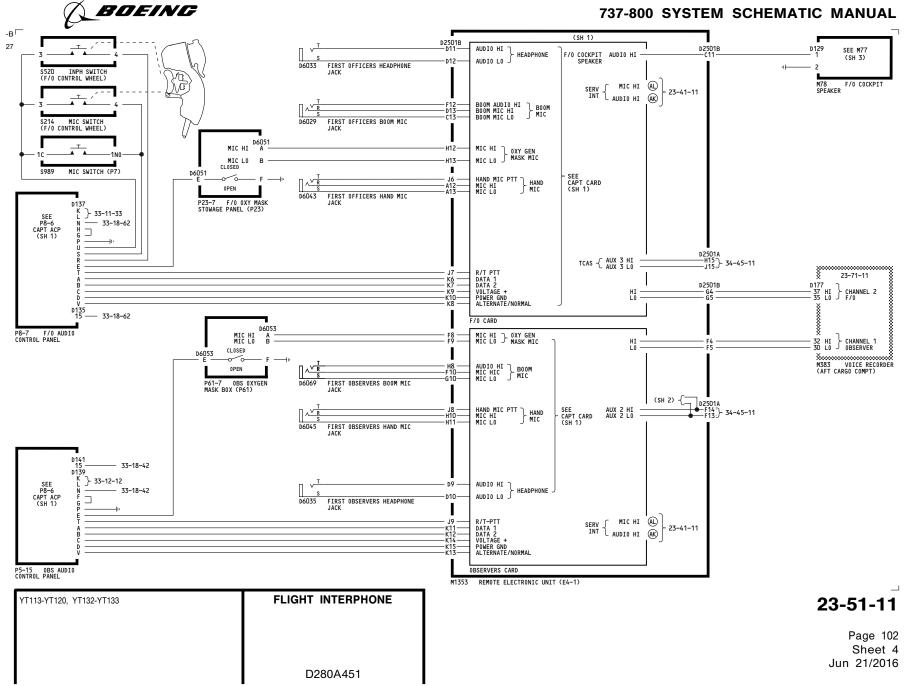




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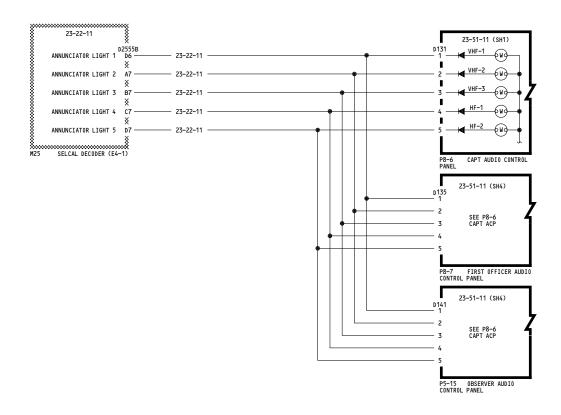
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Jun 21/2016





WIRING DIAGRAMS 23-22-11



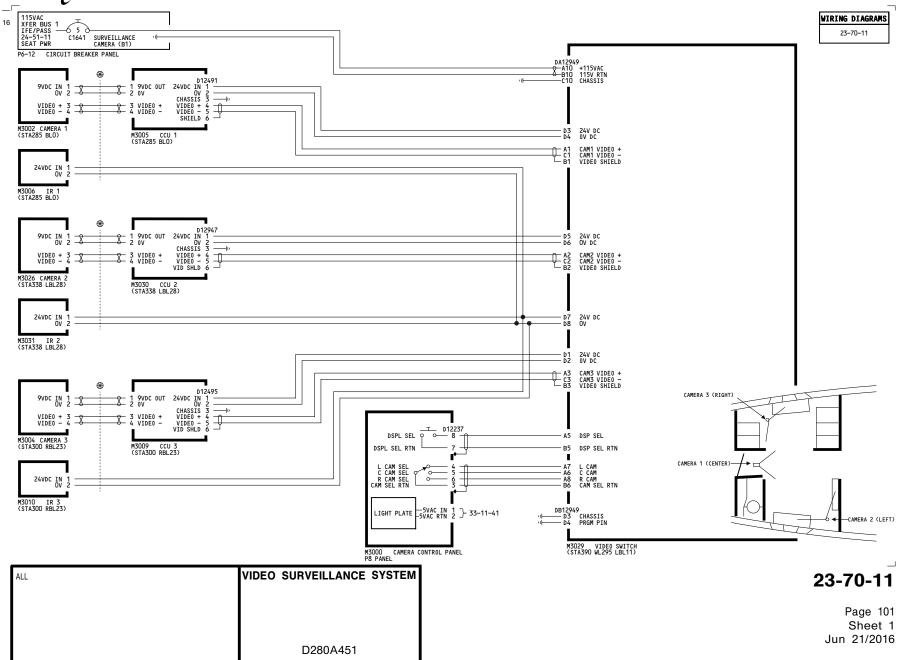
YT113-YT120, YT132-YT133	FLIGHT INTERPHONE
	D280A451

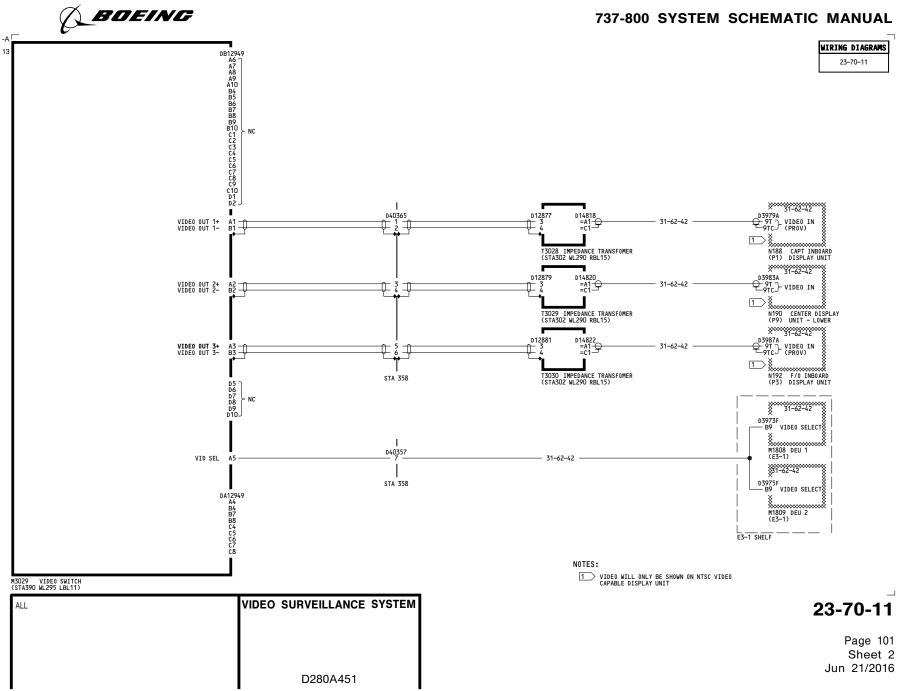
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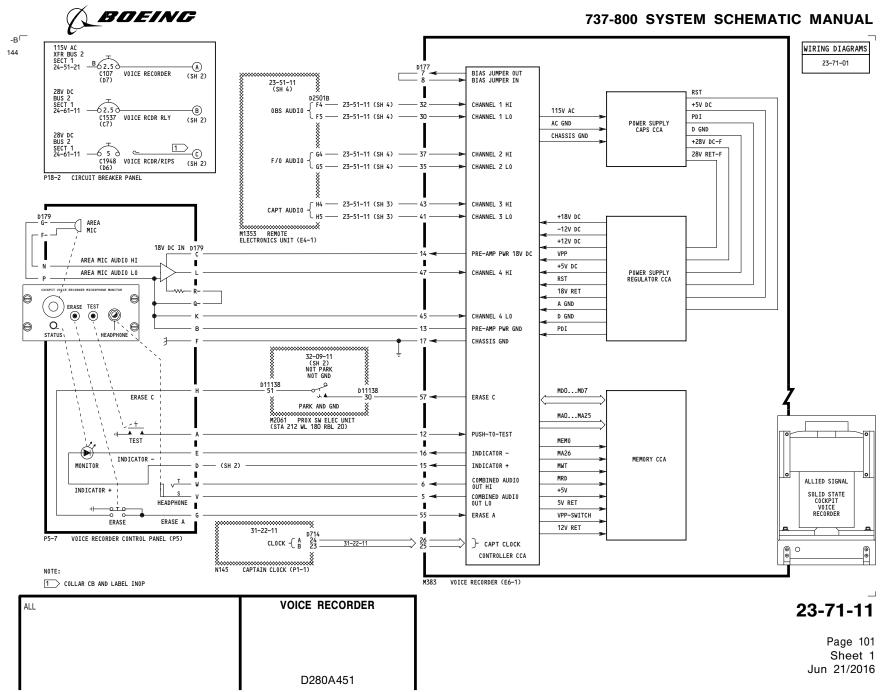
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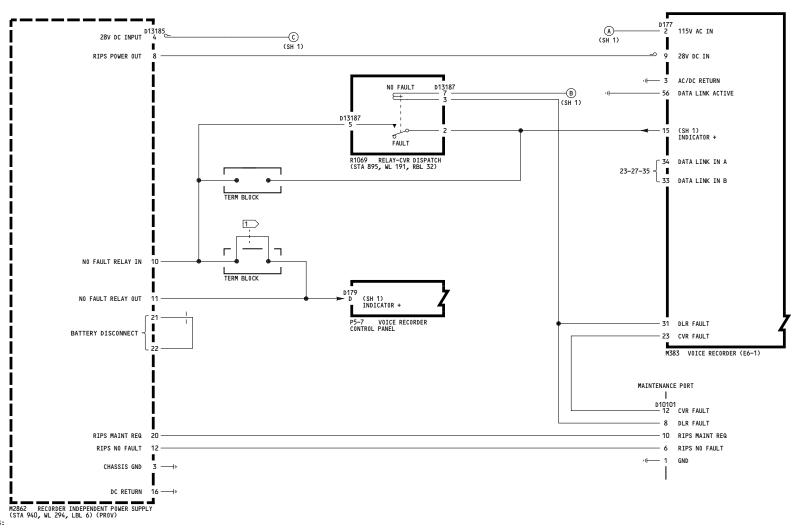






-A -

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1 TERMINAL BLOCK JUMPER WIRE

ALL VOICE RECORDER

D280A451

23-71-11

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