CHAPTER 26 FIRE PROTECTION



CHAPTER 26 FIRE PROTECTION

CH-SC-SU	Schem Page	Shee	t Date			CH-SC-SU	Schem	Page	Sheet	Date
26-EFFECTIVE P	AGES					26-11-31 (cc	ont.)	101		
	1		Jun 21/2016	F	R				2	Jun 21/2016
	2		BLANK			26-12-11				
26-CONTENTS				F	R			101	1	Jun 21/2016
R	1		Jun 21/2016	l F	R				2	Jun 21/2016
R	2		Jun 21/2016			26-14-11				
26-ALPHABETIC					R			101		Jun 21/2016
	1		Aug 15/2013		-	26-16-21		101		0dil 21/2010
	2		BLANK		R	20 10 21		101	1	Jun 21/2016
26-00-01					R			101	2	Jun 21/2016
R	101		Jun 21/2016		1 1	26-16-22			۷	Juli 21/2010
26-00-05					R	20-10-22		101		l 04/0040
R	101		Jun 21/2016		n R			101	1	Jun 21/2016
26-11-11					ĸ	00 01 11			2	Jun 21/2016
	101	1	May 15/2015	1.	_	26-21-11				
		2	May 15/2015		R -			101	1	Jun 21/2016
R	102	1	Jun 21/2016		R				2	Jun 21/2016
R		2	Jun 21/2016	F	R				3	Jun 21/2016
26-11-21						26-23-11				
	101	1	May 15/2015	F	R			101		Jun 21/2016
		2	May 15/2015							
R	102	1	Jun 21/2016							
R		2	Jun 21/2016							
26-11-31		_								
R	101	1	Jun 21/2016							

A = Added, R = Revised, D = Deleted, O = Overflow

26-EFFECTIVE PAGES



CHAPTER 26 FIRE PROTECTION

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity		
	FIRE PROTECTION								
I	ENGINE AND APU FIRE/OVERHEAT DETECTION-SIMPLIFIED	26-00-01		101		Jun 21/2016	ALL		
ı	FIRE/OVERHEAT DETECTOR LOCATIONS	26-00-05		101		Jun 21/2016	ALL		
	ENGINE FIRE DETECTION								
	ENGINE NO.1 FIRE DETECTION	26-11-11		101	1	May 15/2015	YT101-YT112 YT126-YT131		
					2	May 15/2015	YT101-YT112 YT126-YT131		
ı				102	1	Jun 21/2016	YT113-YT120 YT132-YT133		
I					2	Jun 21/2016	YT113-YT120 YT132-YT133		
	ENGINE NO.2 FIRE DETECTION	26-11-21		101	1	May 15/2015	YT101-YT112 YT126-YT131		
					2	May 15/2015	YT101-YT112 YT126-YT131		
ı				102	1	Jun 21/2016	YT113-YT120 YT132-YT133		
I					2	Jun 21/2016	YT113-YT120 YT132-YT133		
ı	APU FIRE DETECTION	26-11-31		101	1	Jun 21/2016	ALL		
I					2	Jun 21/2016	ALL		
	OVERHEAT DETECTION SYSTEM								
I	WHEEL WELL, WING AND LOWER AFT BODY OVERHEAT DETECTION	26-12-11		101	1	Jun 21/2016	ALL		
ı					2	Jun 21/2016	ALL		
	LAVATORY SMOKE DETECTION								
ı	LAVATORY SMOKE DETECTORS	26-14-11		101		Jun 21/2016	ALL		
	CARGO COMPARTMENT SMOKE DETECTION								
I	FORWARD CARGO COMPARTMENT SMOKE DETECTION	26-16-21		101	1	Jun 21/2016	ALL		

26-CONTENTS

D280A451

Page 1 Jun 21/2016



CHAPTER 26 FIRE PROTECTION

FIRE PROTECTION								
Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity		
FORWARD CARGO COMPARTMENT SMOKE DETECTION (cont.)	26-16-21			2	Jun 21/2016	ALL		
AFT CARGO COMPARTMENT SMOKE DETECTION	26-16-22		101	1	Jun 21/2016	ALL		
				2	Jun 21/2016	ALL		
ENGINE FIRE EXTINGUISHING								
ENGINE AND APU FIRE EXTINGUISHING SYSTEM	26-21-11		101	1	Jun 21/2016	ALL		
				2	Jun 21/2016	ALL		
				3	Jun 21/2016	ALL		
CARGO COMPARTMENT FIRE EXTINGUISHING								
CARGO COMPARTMENT FIRE EXTINGUISHERS	26-23-11		101		Jun 21/2016	ALL		

26-CONTENTS

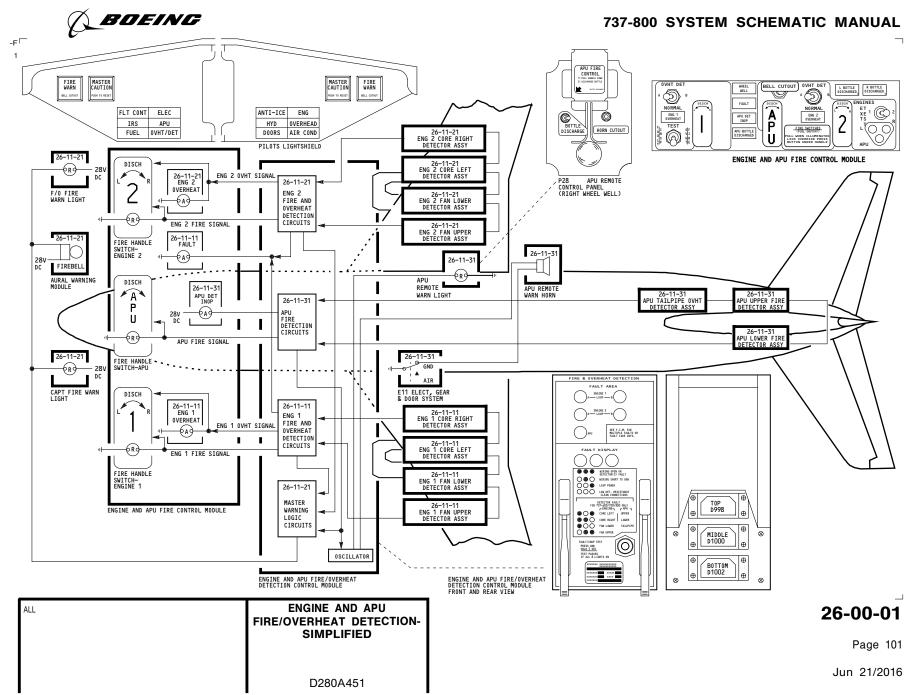


CHAPTER 26 FIRE PROTECTION

CH-SC-SU	Title
26-16-22	AFT CARGO COMPARTMENT SMOKE DETECTION
26-11-31	APU FIRE DETECTION
26-23-11	CARGO COMPARTMENT FIRE EXTINGUISHERS
26-21-11	ENGINE AND APU FIRE EXTINGUISHING SYSTEM
26-00-01	ENGINE AND APU FIRE/OVERHEAT DETECTION-SIMPLIFIED
26-11-11	ENGINE NO.1 FIRE DETECTION
26-11-21	ENGINE NO.2 FIRE DETECTION
26-00-05	FIRE/OVERHEAT DETECTOR LOCATIONS
26-16-21	FORWARD CARGO COMPARTMENT SMOKE DETECTION
26-14-11	LAVATORY SMOKE DETECTORS
26-12-11	WHEEL WELL, WING AND LOWER AFT BODY OVERHEAT DETECTION

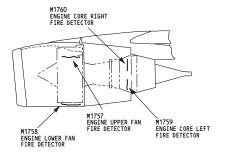
CH-SC-SU	Title		

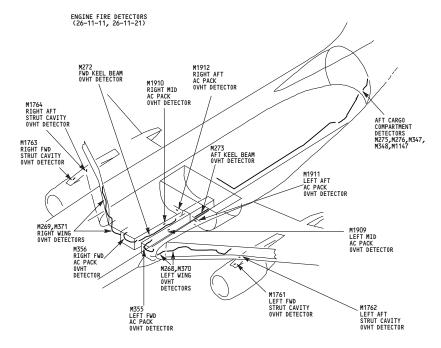
26-ALPHABETICAL INDEX

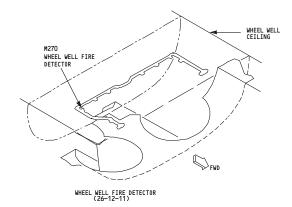




-D┌







COMPARTMENT OVERHEAT DETECTORS (26-12-11)

FIRE/OVERHEAT DETECTOR LOCATIONS

D280A451

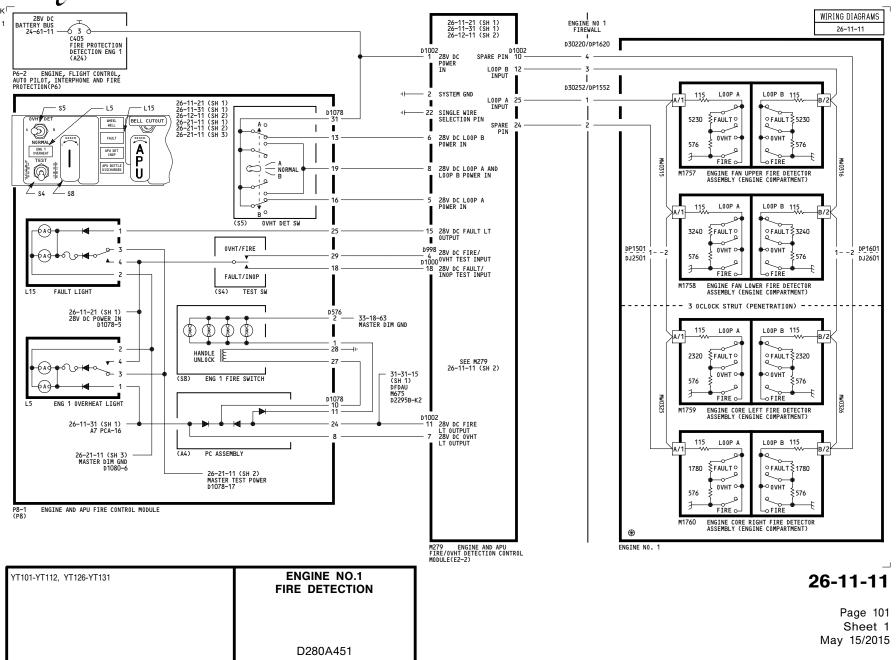
26-00-05

Page 101

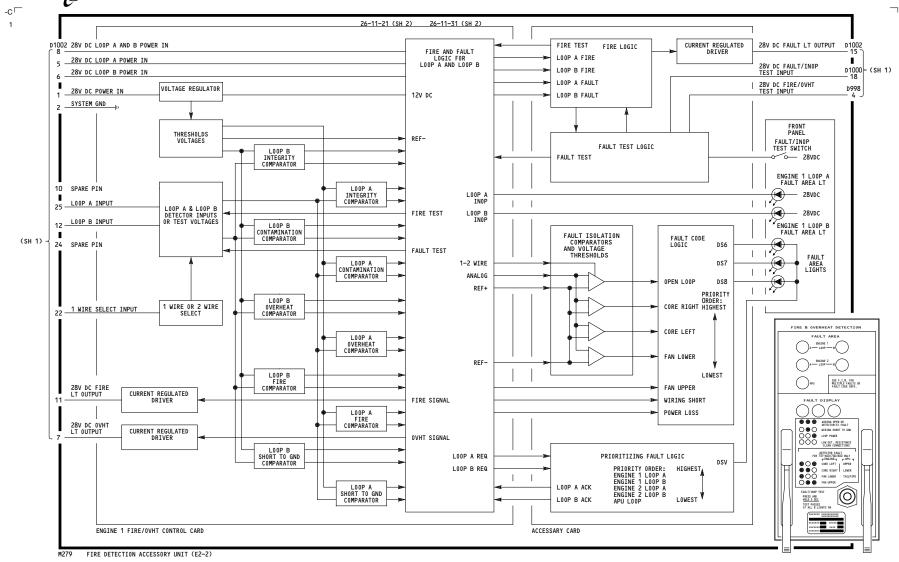
Jun 21/2016



(BOEING







YT101-YT112, YT126-YT131

ENGINE NO.1
FIRE DETECTION

D280A451

26-11-11

Page 101 Sheet 2 May 15/2015

BOEING 737-800 SYSTEM SCHEMATIC MANUAL WIRING DIAGRAMS 28V DC ENGINE NO 1 FIREWALL 26-11-21 (SH 1) 26-11-31 (SH 1) 26-12-11 (SH 2) BATTERY BUS 24-61-11 26-11-11 C405 FIRE PROTECTION DETECTION ENG 1 (A24) D30220/DP1620 D1002 D1002 SPARE PIN 10 -28V DC P6-2 ENGINE, FLIGHT CONTROL, AUTO PILOT, INTERPHONE AND FIRE PROTECTION(P6) INPUT D30252/DP1552 LOOP A L00P B 115 - 2 SYSTEM GND LOOP A 26-11-21 (SH 1) 26-11-31 (SH 1) 26-12-11 (SH 2) 26-21-11 (SH 1) 26-21-11 (SH 2) 26-21-11 (SH 3) - L5 - L15 I _{D1078} 22 SINGLE WIRE 5230 \$ FAULT 9 ○ FAULT ₹ 5230 SELECTION PIN BELL CUTOUT WHEEL NORMAL * SPARE 24 PIN • OVHT FAULT 28V DC LOOP B OVHT O POWER IN 576 APU DET INOP ENG 1 OVERHEAT TEST FIRE o--⊙FIRE APU BOTTLE DISCHARGED 8 28V DC LOOP A AND - NORMAL Ù M1757 ENGINE FAN UPPER FIRE DETECTOR ASSEMBLY (ENGINE COMPARTMENT) ∠ s4 ∠ s8 28V DC LOOP A POWER IN LOOP A L00P B 115 (\$5) OVHT DET SW · 15 28V DC FAULT LT 9 FAULT \$3240 OVHT/FIRE D998 28V DC_FIRE/ 0VHT ⊶ THV0 1--2 D1000 OVHT TEST INPUT 18 28V DC FAULT/ INOP TEST INPUT DJ2501 576 DJ2601 FAULT/INOP ENGINE FAN LOWER FIRE DETECTOR (S4) TEST SW FAULT LIGHT ASSEMBLY (ENGINE COMPARTMENT) 3 OCLOCK STRUT (PENETRATION) -26-11-21 (SH 1) 28V DC POWER IN D1078-5 D576 33-18-63 MASTER DIM GND (1) 115 LOOP A L00P B 115 UNLOCK E ○ FAULT \2320 2320 \$FAULT ♀ SEE M279 26-11-11 (SH 2) (A) 00 M 31-31-15 (SH 1) 0VHT ○ **●**O OVHT (S8) ENG 1 FIRE SWITCH DFDAU M675 D2295B-K2 D1078 ENG 1 OVERHEAT LIGHT ENGINE CORE LEFT FIRE DETECTOR ASSEMBLY (ENGINE COMPARTMENT) D1UU2 → 11 28V DC FIRE LT OUTPUT — 7 28V DC OVHT 26-11-31 (SH 1) A7 PCA-16 115 LOOP A L00P B 115 LT OUTPUT PC ASSEMBLY 26-21-11 (SH 3) MASTER DIM GND 1780 \$ FAULT 9 °FAULT ₹1780 26-21-11 (SH 2) MASTER TEST POWER D1078-17 **◆**○ 0VHT 0VHT ⊶ ₹576 76-21-11 ENGINE AND APU FIRE CONTROL MODULE D11288 8 0 FIRE o-33-18-63 ENGINE CORE RIGHT FIRE DETECTOR ASSEMBLY (ENGINE COMPARTMENT) S1 M3118 ENG FUEL M279 ENGINE AND APU FIRE/OVHT DETECTION CONTROL MODULE(E2-2) ENGINE NO. 1 **ENGINE NO.1** YT113-YT120, YT132-YT133 26-11-11

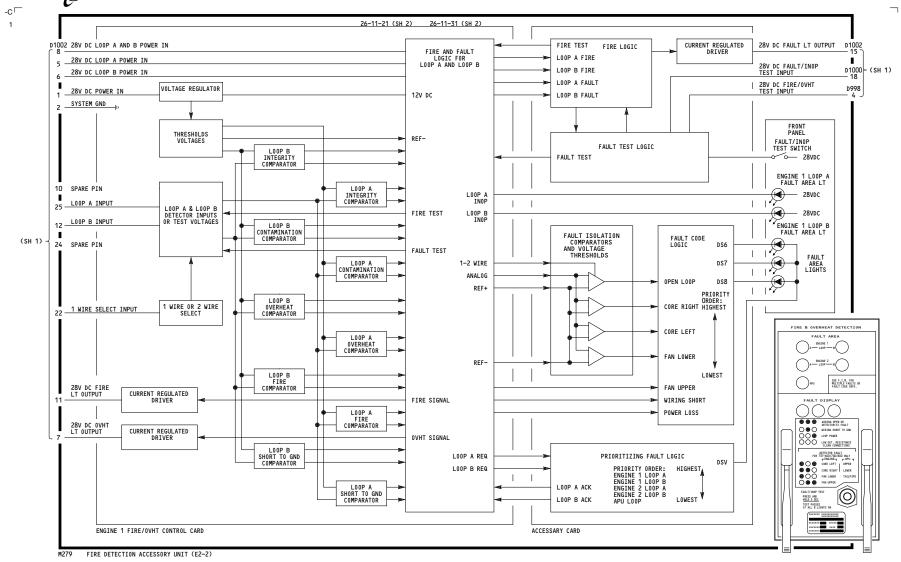
FIRE DETECTION

D280A451

BOEING PROPRIETARY - Copyright () - Unpublished Work - See title page for details.

Page 102 Sheet 1 Jun 21/2016





YT113-YT120, YT132-YT133

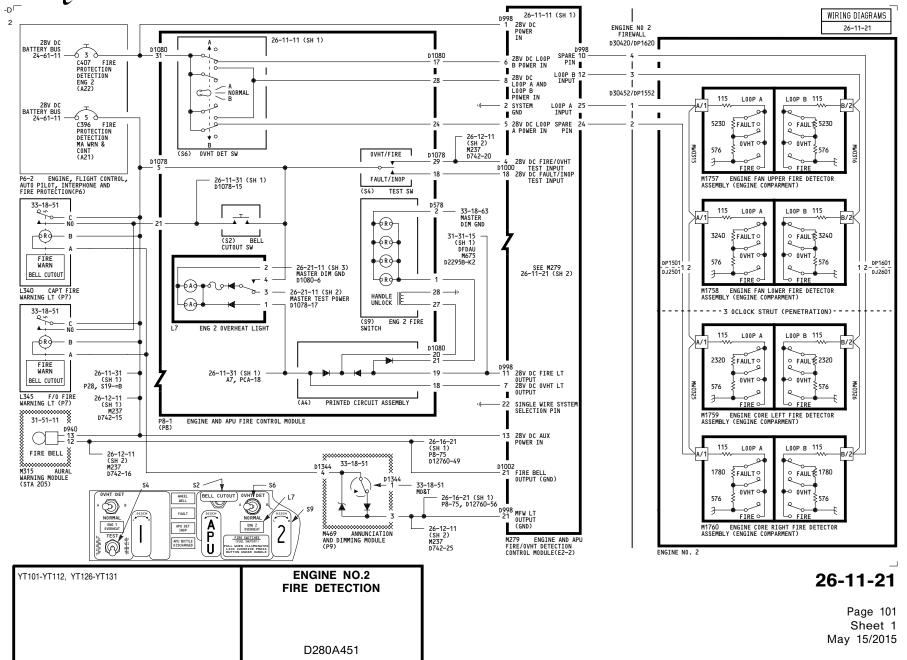
ENGINE NO.1
FIRE DETECTION

D280A451

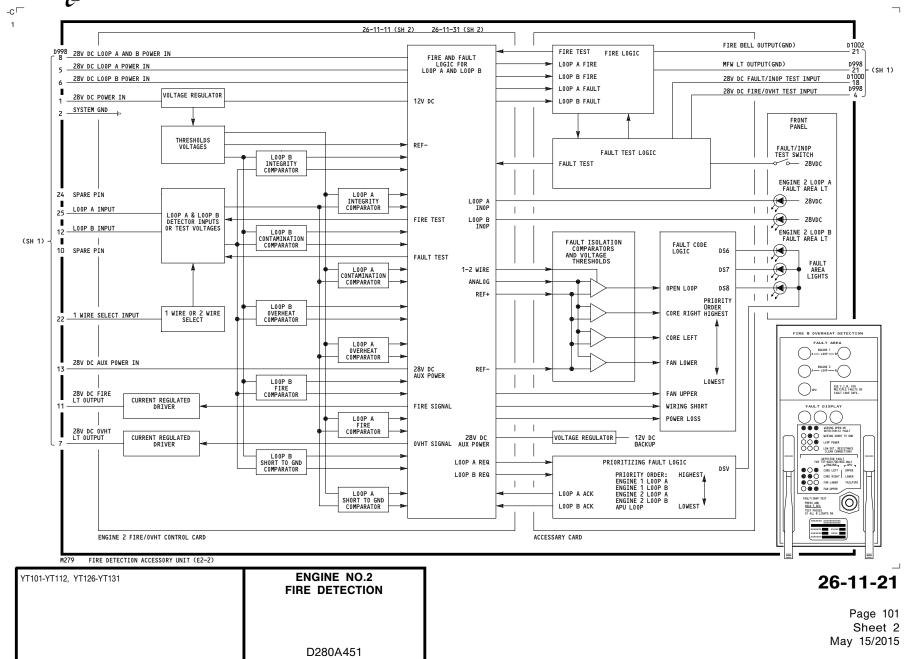
26-11-11

Page 102 Sheet 2 Jun 21/2016

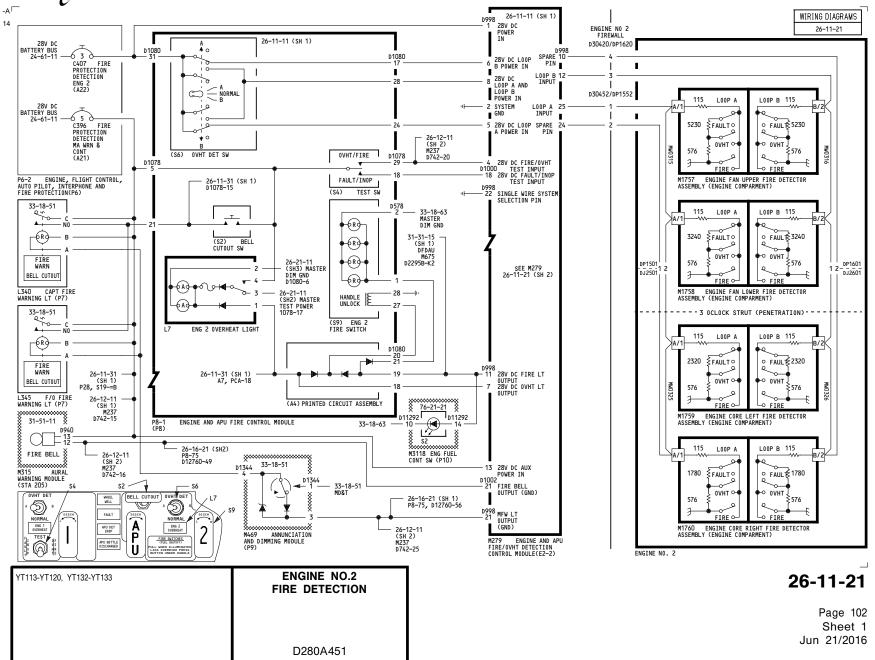




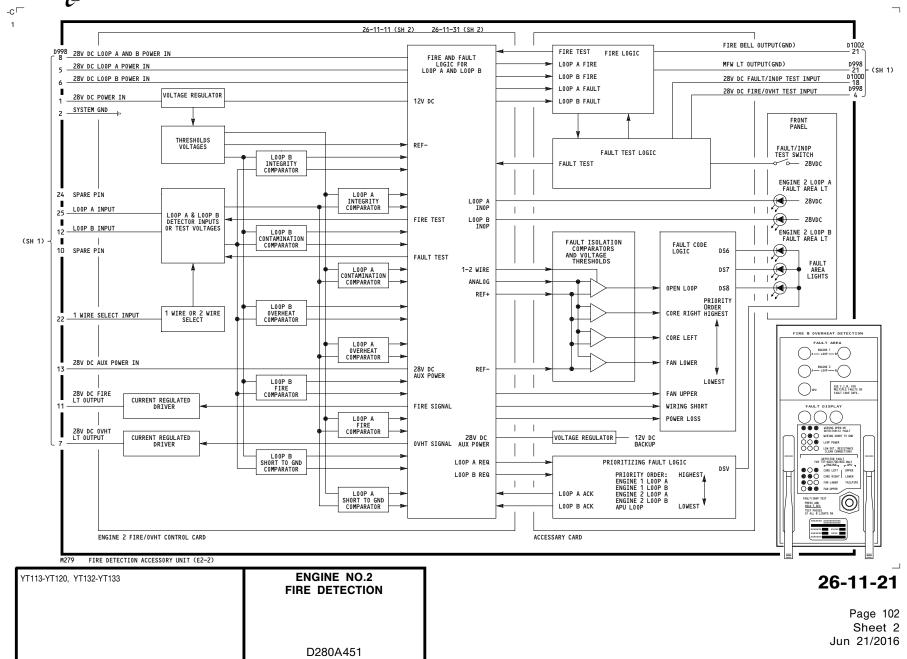








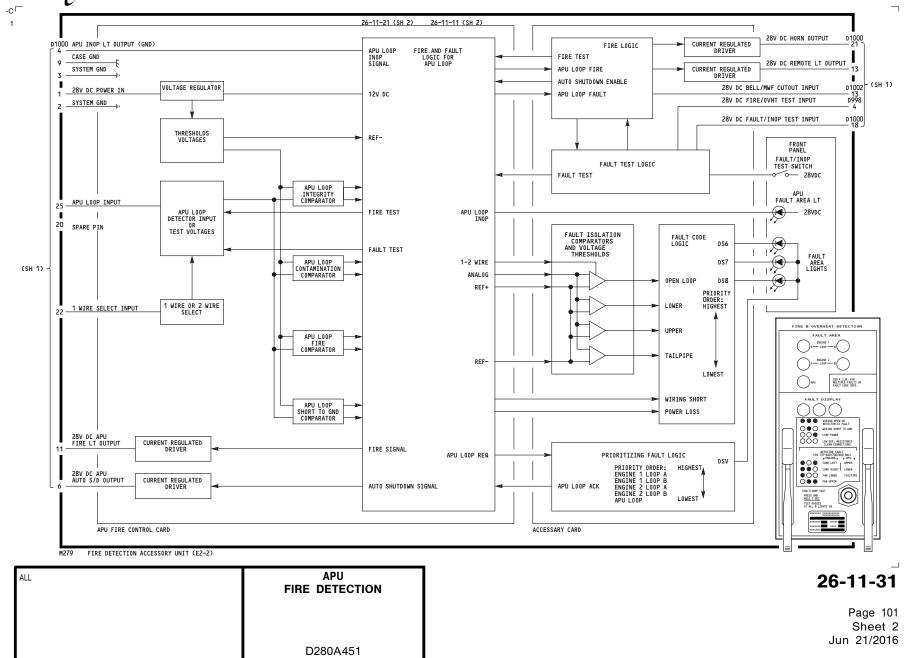




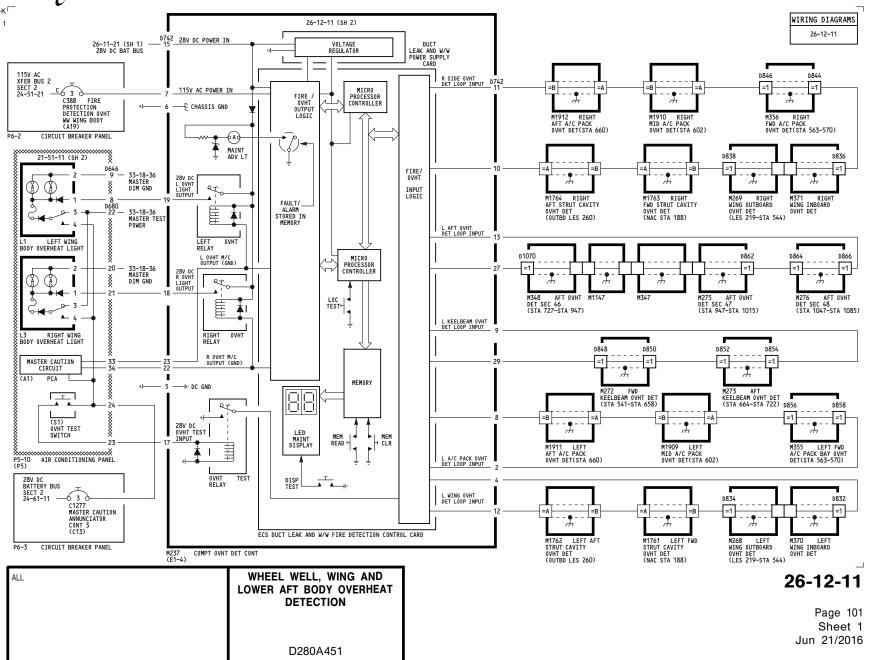
BOEING 737-800 SYSTEM SCHEMATIC MANUAL 26-11-11 (SH 1) 28V DC WIRING DIAGRAMS BATTERY BUS 24-61-11 D1000 — 1 28V DC PWR IN C403 FIRE PROTECTION DETECTION APU (A23) 26-11-31 - 6 28V DC ■ APU AUTO SHUTDOWN OUTPUT 49-62-11 26-21-11 (SH 3) 28V DC BATTERY BUS 24-61-11 D1000 L00P INPUT 25 — C396 FIRE PROTECTION DETECTION MA WRN & CONT (A21) — 9 CASE GND FIRE 🖰 APU FIREWALL □- 2 SYSTEM GND DISC. 3830 ·I── 3 SYSTEM GND P6-2 ENGINE AND FLIGHT CONTROL, AUTO PILOT, INTERPHONE AND FIRE DETECTION (P6) □ 22 SINGLE WIRE SYSTEM ■ SELECTION PIN D40060J/P FAULT O FIRE O BELL CUTOUT 26-11-11 (SH 1) SEE M279 26-11-31 (SH 2) M1925 APU TAILPIPE OVHT DETECTOR ASSEMBLY (APU COMPARTMENT) W D1078 2870 A P NORMAL ENG 1 OVERHEAT ·I---- 10 FAULT O APU DET INSP D1002 — 13 28V DC MFW LT AND BELL CUTOUT INPUT TEST BELL 26-11-21 SW D1078-21 M1755 APU UPPER FIRE DETECTOR ASSEMBLY (APU COMPARTMENT) (S2) CUTOUT SW ∟L13 \$10~ <u></u> ∽ \$4 OVHT/FIRE — 4 28V DC FIRE/OVHT TEST INPUT D40062J/P . 18 28V DC FAULT/INOP TEST INPUT FIRE ≎ FAULT/INOP 2370 (S4) FIRE TEST SW APU INOP LT OUTPUT (GND) FAULT O 26-21-11 (SH 2) MASTER DIM POWER 26-21-11 (SH 3) M1756 APU LOWER FIRE DETECTOR ASSEMBLY 0580 SPARE 20 NC 33-18-63 MASTER DIM GND (APU COMPARTMENT) **→**(R)-(STA 1088 STA 1138 31-31-15 (SH 1) M675 D2295D-F3 D1078 26-21-11 (SH 3) -(A) **→**(R)-28V DC APU REMOTE FIRE LT OUTPUT D48080P/J (R) 28V DC 28 APU FIRE 28V DC APU FIRE LT OUTPUT HORN OUTPUT L315 APU - 27 APU DETECTOR INOP LT L13 REMOTE FIRE LT M279 ENGINE & APU FIRE/OVERHEAT DETECTION CONTROL MODULE (E2-2) (A4) PCA D580 26-21-11 (SH 3) MASTER TEST GND 26-12-11 (SH 2) M237 26-16-21 (SH 1) P8-75, D12760-34 28 HANDLE UNLOCK D742-14 26-11-21 (SH 1) M279 _______ (S10) APU FIRE SW D998-13 POWER S19 · V+ SUPPLY REMOTE HORN ₩ D11142 D11142 LOGIC CIRCUIT 31-52-45 MASTER CAUTION AIR SENSING M277 APU REMOTE WARN HORN (STA 727 MAIN WHEEL WELL) P28 APU FIRE CONTROL PANEL (STA 727 MAIN WHEEL WELL) RECALL OUTPUT LATCH DRIVER 26-11-11 31-52-45 MASTER CAUTION LIGHT (SH 1) L5-1 M2061 PSEU RESET CIRCUIT 26-11-21 (SH 1) L7-1 MASTER CAUTION PCA P8-1 (P8) ENGINE AND APU FIRE CONTROL MODULE APU 26-11-31 ALL FIRE DETECTION Page 101 Sheet 1 Jun 21/2016

D280A451

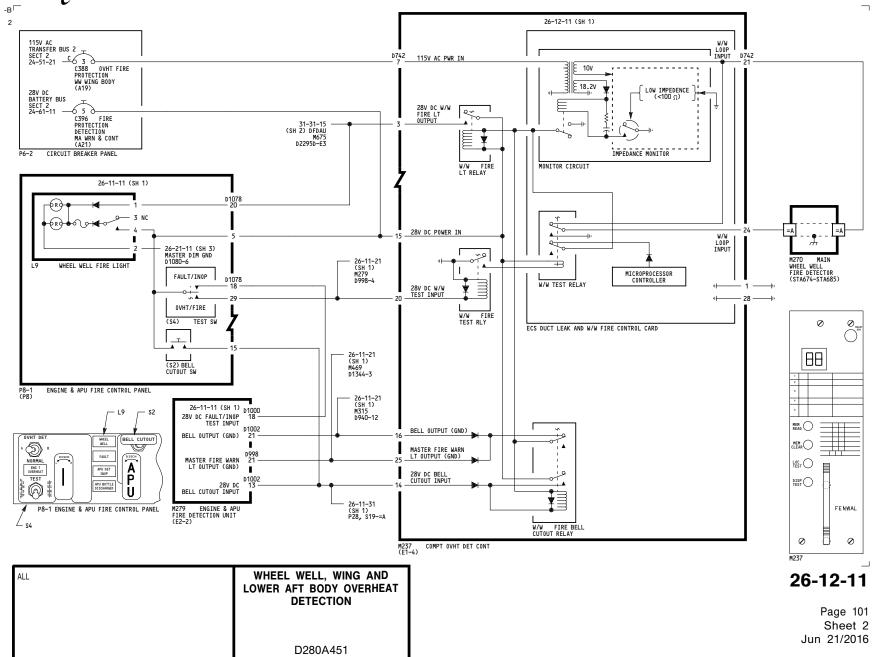










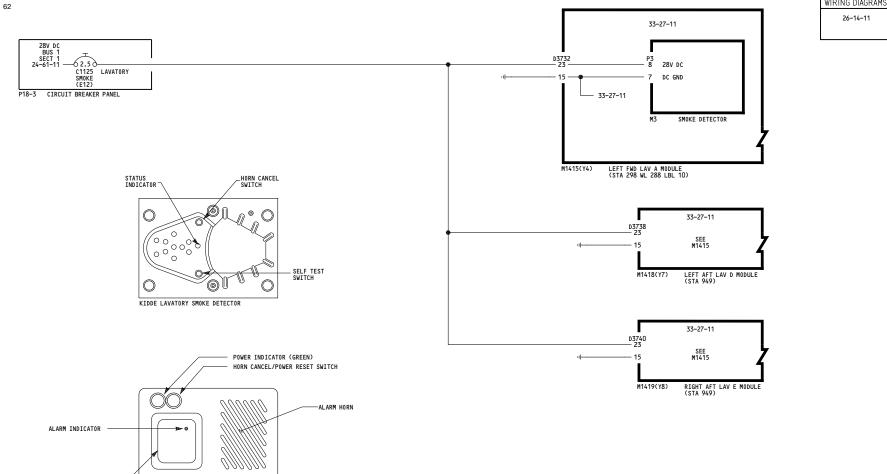




SMOKE SENSOR

737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS 26-14-11



SAME AS SH CONF 3

ALL	LAVATORY SMOKE DETECTORS
	D280A451

JAMCO LAVATORY SMOKE DETECTOR

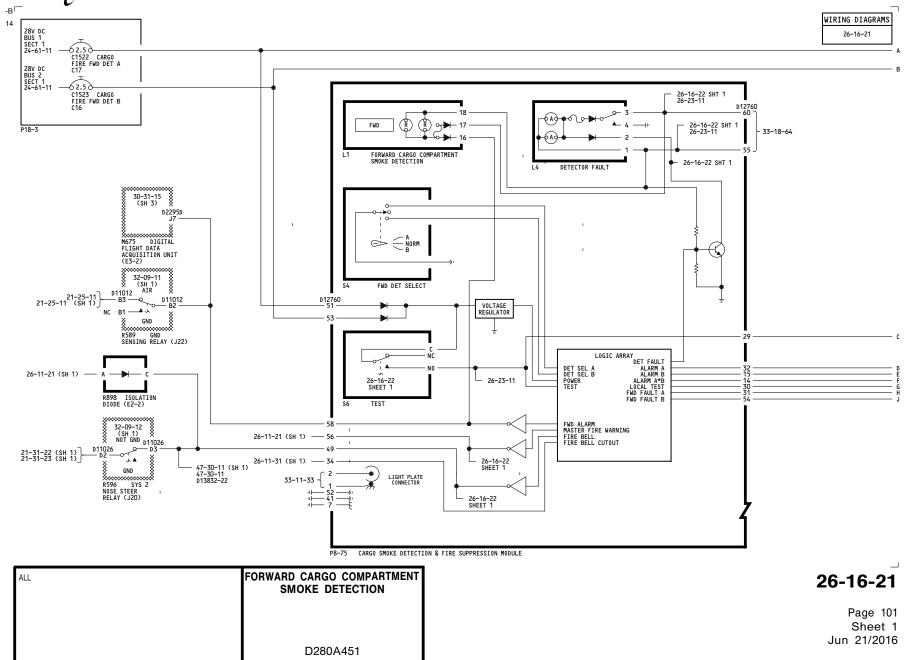
26-14-11

Page 101

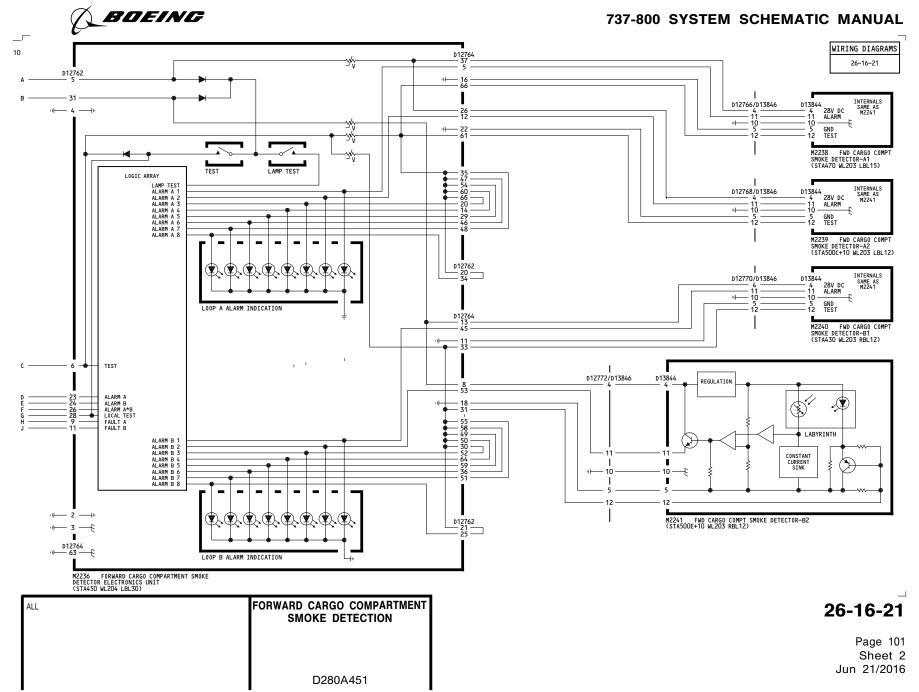
Jun 21/2016



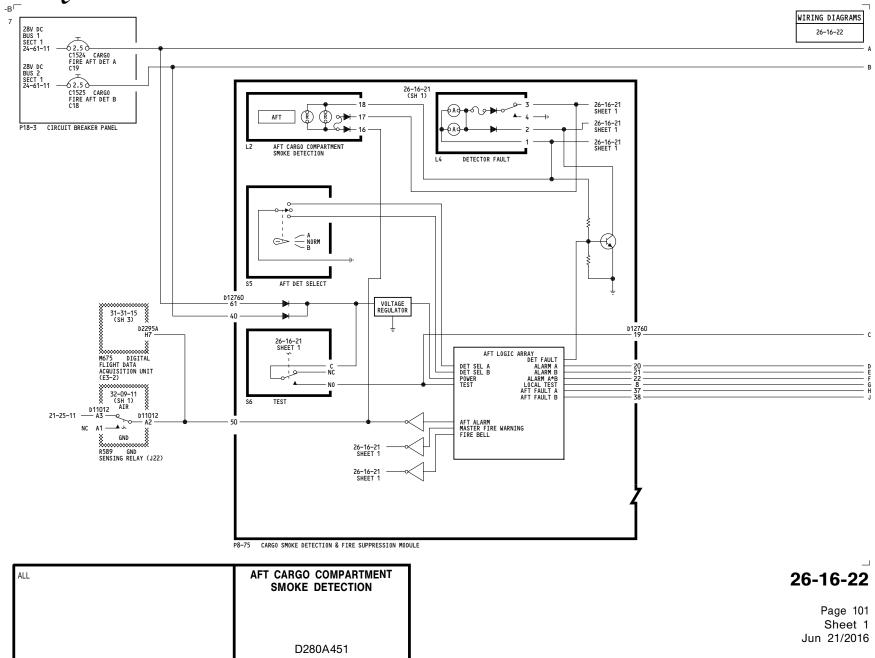


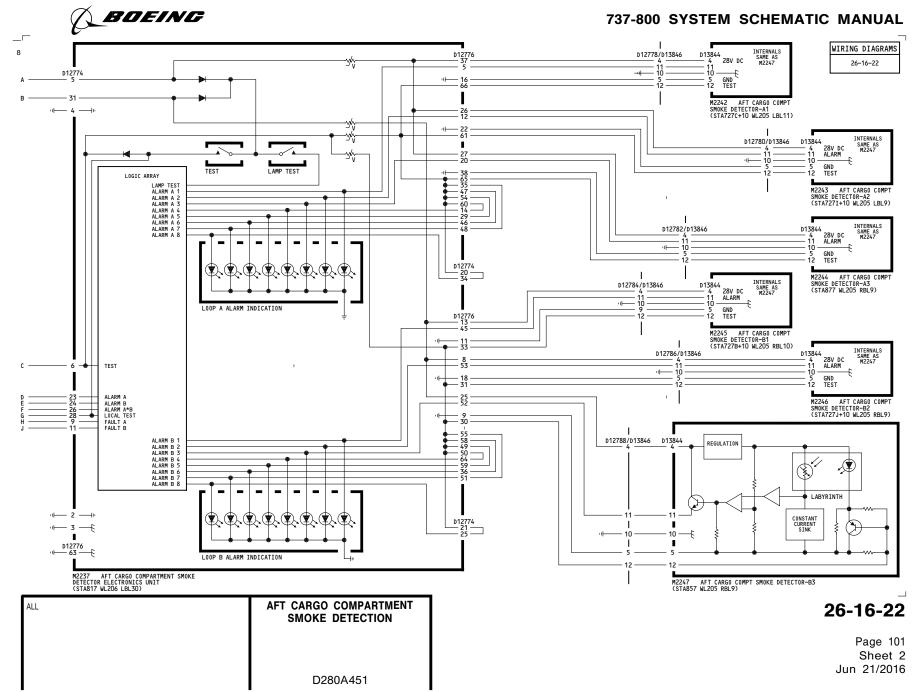


BOEING PROPRIETARY - Copyright () - Unpublished Work - See title page for details.

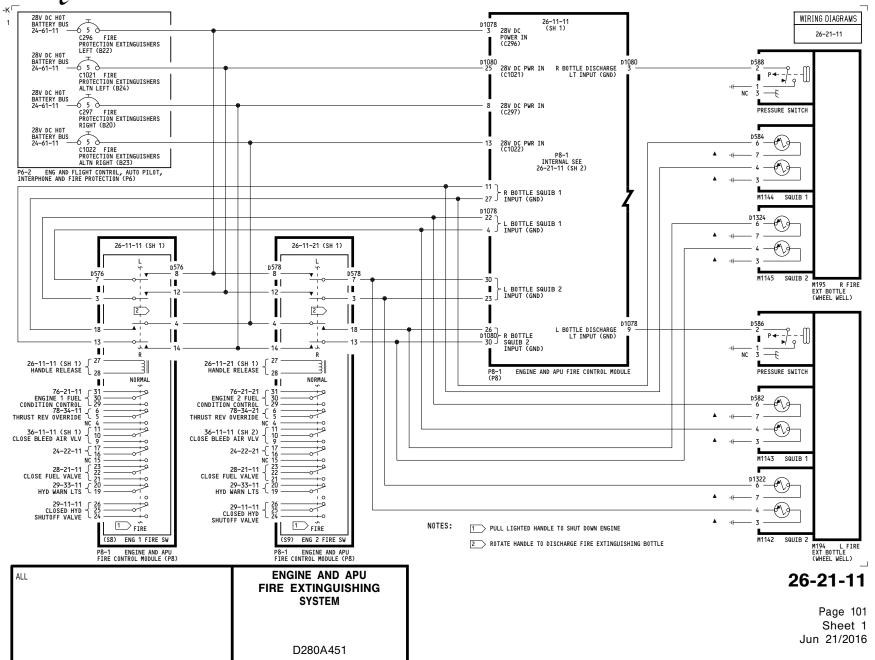


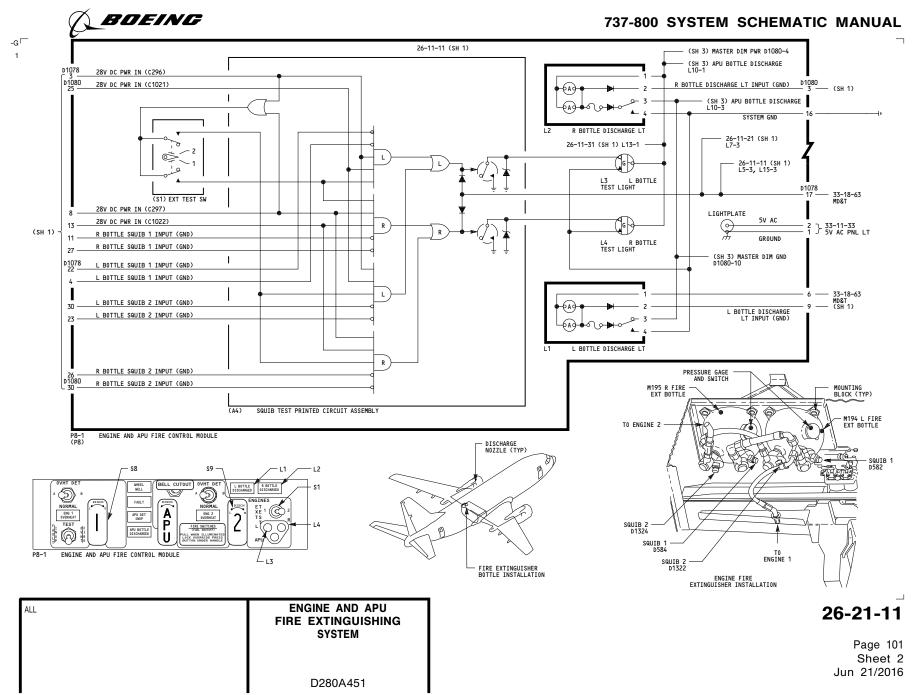






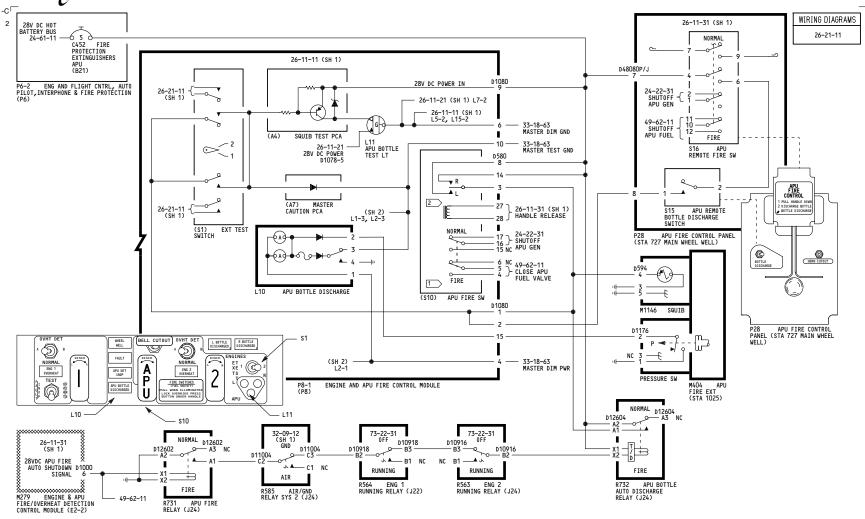






() BOEING

737-800 SYSTEM SCHEMATIC MANUAL



NOTES

- 1 PULL LIGHTED HANDLE TO SHUTDOWN APU
- ROTATE HANDLE TO DISCHARGE FIRE EXTINGUISHING BOTTLE



26-21-11

Page 101 Sheet 3 Jun 21/2016



