

# **CHAPTER 22 AUTOFLIGHT**

	CH-SC-SU	Schem	Page	Sheet	Date		CH-SC-SU	Schem	Page	Sheet	Date	
22-	-EFFECTIVE	PAGES					22-11-75 (d	cont.)	3		-	
			1		Jun 21/2016	R				4	Jun 21/201	6
			2		BLANK		22-11-81					
	-CONTENTS	;				R			1		Jun 21/201	6
R			1		Jun 21/2016		22-12-31					
R			2		Jun 21/2016	R			1		Jun 21/201	6
Α			3		Jun 21/2016		22-12-41					
Α			4		BLANK	R			1		Jun 21/201	6
22-	-ALPHABET	ICAL IND					22-13-11					
			1		Aug 15/2013				1	1	Apr 17/201	
			2		BLANK					2	Apr 17/201	
_	22-11-11					R			2	1	Jun 21/201	
R			1	1	Jun 21/2016	R				2	Jun 21/201	6
R	00 11 10			2	Jun 21/2016		22-14-11					
_	22-11-12					R			1	1	Jun 21/201	
R			1	1	Jun 21/2016	R				2	Jun 21/201	6
R				2	Jun 21/2016		22-18-11					
_	22-11-14					R			1		Jun 21/201	6
R			1		Jun 21/2016		22-23-11					
_	22-11-18								1		Aug 15/20	13
R			1		Jun 21/2016	R			2		Jun 21/201	6
_	22-11-31						22-23-12					
R			1	1	Jun 21/2016	R			1		Jun 21/201	6
R				2	Jun 21/2016		22-31-22					
	22-11-51					R			1		Jun 21/201	6
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				3	Aug 15/2013	Α			2		Jun 21/201	6
				4	Aug 15/2013		22-31-41					
R			2	1	Jun 21/2016				1		Mar 14/20	16
R				2	Jun 21/2016	Α			2		Jun 21/201	6
R				3	Jun 21/2016		22-31-51					
R				4	Jun 21/2016	R			1		Jun 21/201	6
R				5	Jun 21/2016		22-31-52					
	22-11-53					R			1		Jun 21/201	6
R			1		Jun 21/2016							
	22-11-75											
			1	1	Aug 18/2014							
				2	Aug 18/2014							
				3	Aug 18/2014							
				4	Aug 18/2014							
Α			1.1	1	Jun 21/2016							
Α				2	Jun 21/2016							
Α				3	Jun 21/2016							
Α				4	Jun 21/2016							
R			2	1	Jun 21/2016							
R				2	Jun 21/2016							
R				3	Jun 21/2016							
R				4	Jun 21/2016							
R			3	1	Jun 21/2016							
R				2	Jun 21/2016							
R				3	Jun 21/2016							

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



Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
DIGITAL FLIGHT CONTROL S	YSTEM					
DFCS - A AND B FCC POWER AND 26V AC EXCITATION	22-11-11		1	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
DFCS - A AND B SYSTEM INTERLOCKS	22-11-12		1	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
DFCS - INTERSYSTEM SWITCHING	22-11-14		1		Jun 21/2016	ALL
DFCS INTERSYSTEM SWITCHING - VHF NAV ANTENNAS	22-11-18		1		Jun 21/2016	ALL
DFCS - A AND B A/P ROLL SENSORS AND ACTUATORS	22-11-31		1	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
DFCS - DIGITAL BUS INTERFACES - OUTPUT	22-11-51		1	1	Aug 15/2013	YT101-YT103
				2	Aug 15/2013	YT101-YT103
				3	Aug 15/2013	YT101-YT103
				4	Aug 15/2013	YT101-YT103
			2	1	Jun 21/2016	YT104-YT133
				2	Jun 21/2016	YT104-YT133
				3	Jun 21/2016	YT104-YT133
				4	Jun 21/2016	YT104-YT133
				5	Jun 21/2016	YT104-YT133
DFCS - DIGITAL BUS INTERFACES - DATA LOADER	22-11-53		1		Jun 21/2016	ALL
DFCS - A AND B OPTION PINS	22-11-75		1	1	Aug 18/2014	YT101-YT104
				2	Aug 18/2014	YT101-YT104
				3	Aug 18/2014	YT101-YT104
				4	Aug 18/2014	YT101-YT104
			1.1	1	Jun 21/2016	YT101-YT104
				2	Jun 21/2016	YT101-YT104
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				4	Jun 21/2016	YT101-YT104



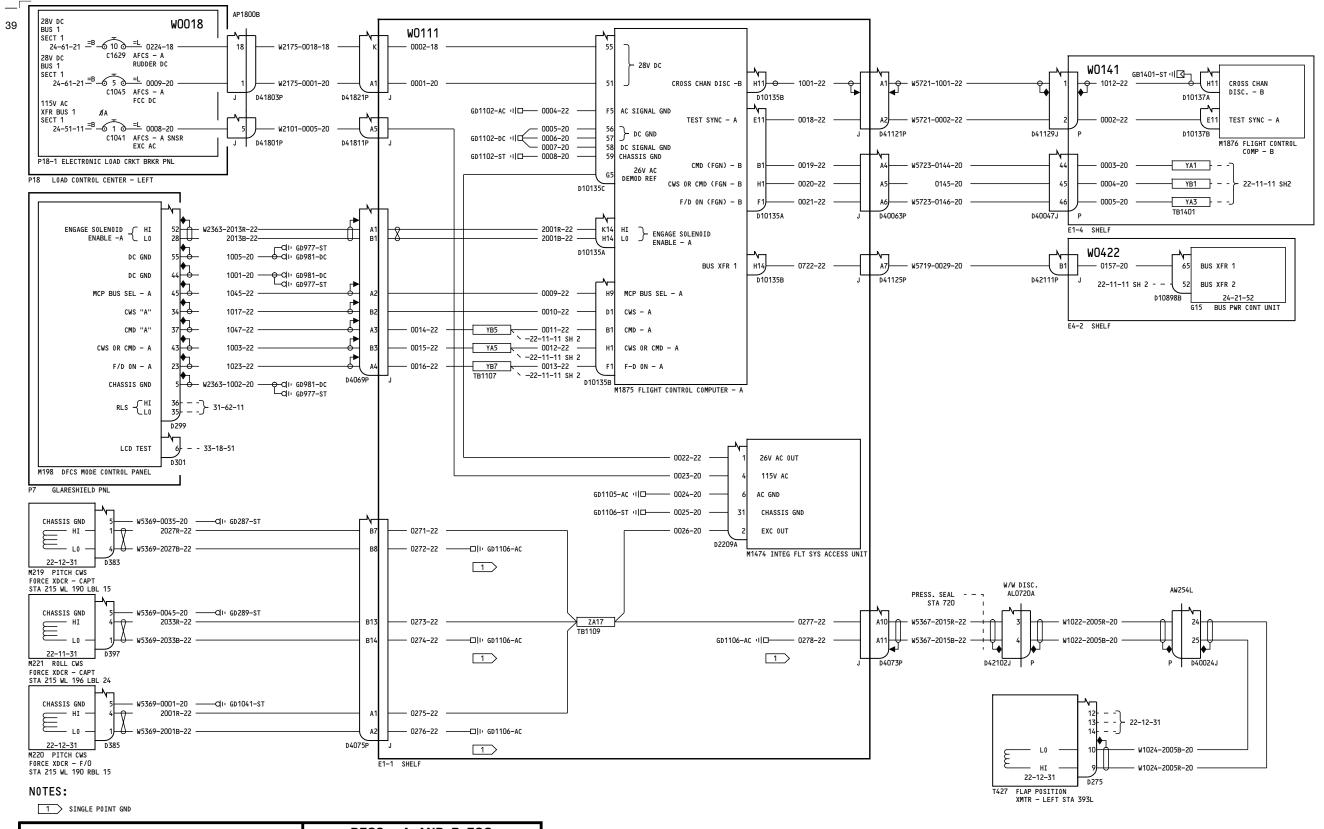
Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
DFCS - A AND B OPTION PINS (cont.)	22-11-75		2	1	Jun 21/2016	YT105-YT119 YT126-YT129
				2	Jun 21/2016	YT105-YT119 YT126-YT129
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				2	Jun 21/2016	YT120 YT130-YT133
				3	Jun 21/2016	YT120 YT130-YT133
				4	Jun 21/2016	YT120 YT130-YT133
DFCS - RUDDER COMMAND AND CONTROL	22-11-81		1		Jun 21/2016	ALL
DFCS - A A/P PITCH SENSORS AND ACTUATORS	22-12-31		1		Jun 21/2016	ALL
DFCS - B A/P PITCH SENSORS AND ACTUATORS	22-12-41		1		Jun 21/2016	ALL
DFCS - A AND B SPEED AND STABILIZER TRIM	22-13-11		1	1	Apr 17/2014	YT101-YT105
				2	Apr 17/2014	YT101-YT105
			2	1	Jun 21/2016	YT106-YT133
				2	Jun 21/2016	YT106-YT133
DFCS - ANNUNCIATION AND WARNING	22-14-11		1	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
DFCS - MACH TRIM YAW DAMPER SYSTEM	22-18-11		1		Jun 21/2016	ALL
YAW DAMPER ENGAGE INTERLOCKS	22-23-11		1		Aug 15/2013	YT101-YT103
			2		Jun 21/2016	YT104-YT133
YAW DAMPER RUDDER CONTROL	22-23-12		1		Jun 21/2016	
AUTOTHROTTLE SYSTEM						
AUTOTHROTTLE SYSTEM - DIGITAL INPUTS FROM SMYDC'S AND RA'S	22-31-22		1		Jun 21/2016	ALL



		AUTOFLIGI	11		
Title	CH-SC-SU	Schem Page	Sheet	Date	Effectivity
AUTOTHROTTLE SYSTEM - SERVO MOTOR 1	22-31-31	1		Mar 14/2016	YT101-YT117 YT126-YT131
		2		Jun 21/2016	YT118-YT120 YT132-YT133
AUTOTHROTTLE SYSTEM - SERVO MOTOR 2	22-31-41	1		Mar 14/2016	YT101-YT117 YT126-YT131
		2		Jun 21/2016	YT118-YT120 YT132-YT133
AUTOTHROTTLE SYSTEM - ENGAGE/DISENGAGE	22-31-51	1		Jun 21/2016	ALL
AUTOTHROTTLE SYSTEM - MODE ANNUNCIATION	22-31-52	1		Jun 21/2016	ALL



CH-SC-SU	Title
22-31-22	AUTOTHROTTLE SYSTEM - DIGITAL INPUTS FROM SMYDC'S AND RA'S
22-31-51	AUTOTHROTTLE SYSTEM - ENGAGE/DISENGAGE
22-31-52	AUTOTHROTTLE SYSTEM - MODE ANNUNCIATION
22-31-31	AUTOTHROTTLE SYSTEM - SERVO MOTOR 1
22-31-41	AUTOTHROTTLE SYSTEM - SERVO MOTOR 2
22-12-31	DFCS - A A/P PITCH SENSORS AND ACTUATORS
22-11-31	DFCS - A AND B A/P ROLL SENSORS AND ACTUATORS
22-11-11	DFCS - A AND B FCC POWER AND 26V AC EXCITATION
22-11-75	DFCS - A AND B OPTION PINS
22-13-11	DFCS - A AND B SPEED AND STABILIZER TRIM
22-11-12	DFCS - A AND B SYSTEM INTERLOCKS
22-14-11	DFCS - ANNUNCIATION AND WARNING
22-12-41	DFCS - B A/P PITCH SENSORS AND ACTUATORS
22-11-53	DFCS - DIGITAL BUS INTERFACES - DATA LOADER
22-11-51	DFCS - DIGITAL BUS INTERFACES - OUTPUT
22-11-14	DFCS - INTERSYSTEM SWITCHING
22-18-11	DFCS - MACH TRIM
22-11-81	DFCS - RUDDER COMMAND AND CONTROL
22-11-18	DFCS INTERSYSTEM SWITCHING - VHF NAV ANTENNAS
22-23-11	YAW DAMPER ENGAGE INTERLOCKS
22-23-12	YAW DAMPER RUDDER CONTROL



DFCS - A AND B FCC
POWER AND 26V AC
EXCITATION

D280A351

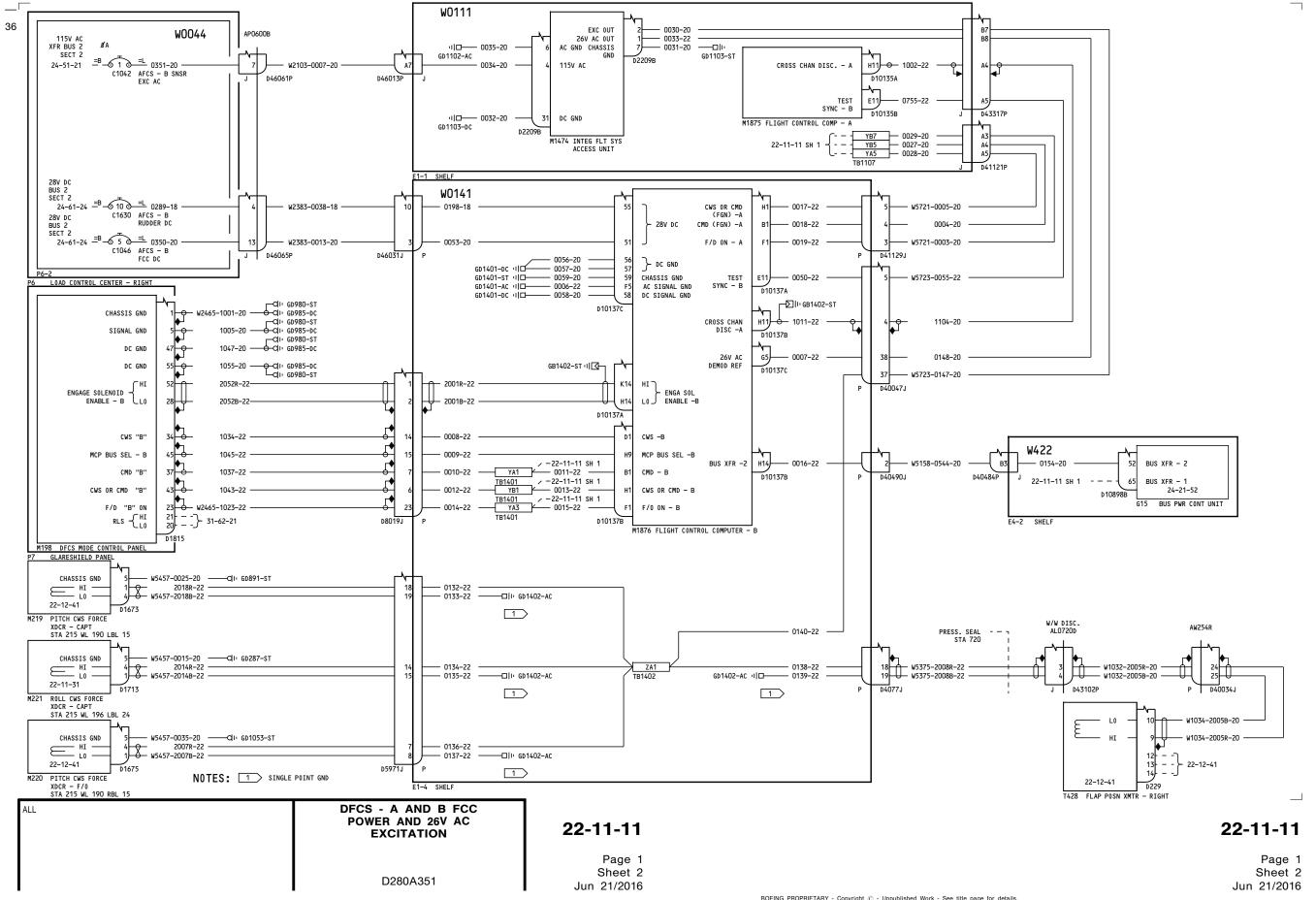
22-11-11

Page 1 Sheet 1 Jun 21/2016 22-11-11

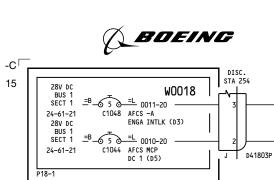
Page 1 Sheet 1 Jun 21/2016

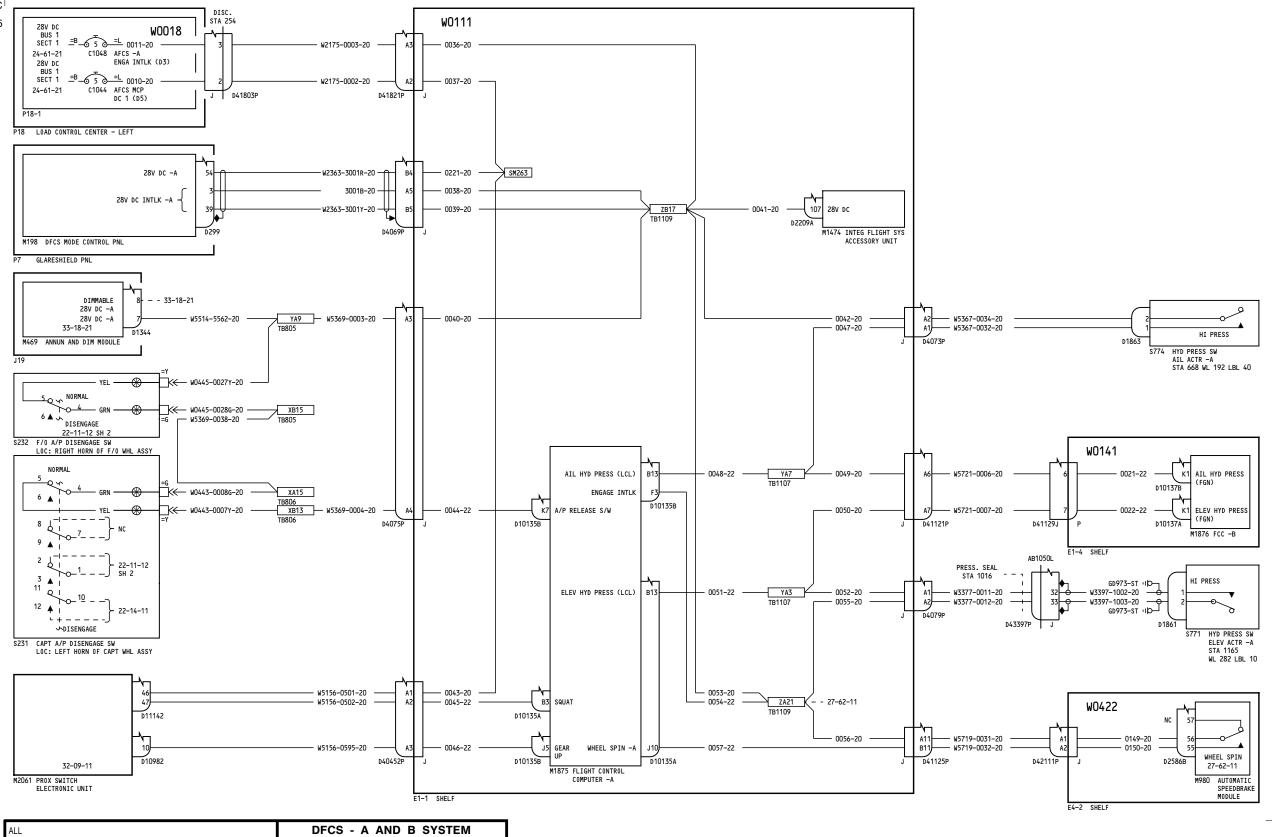
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#### 737-800 WIRING DIAGRAM MANUAL



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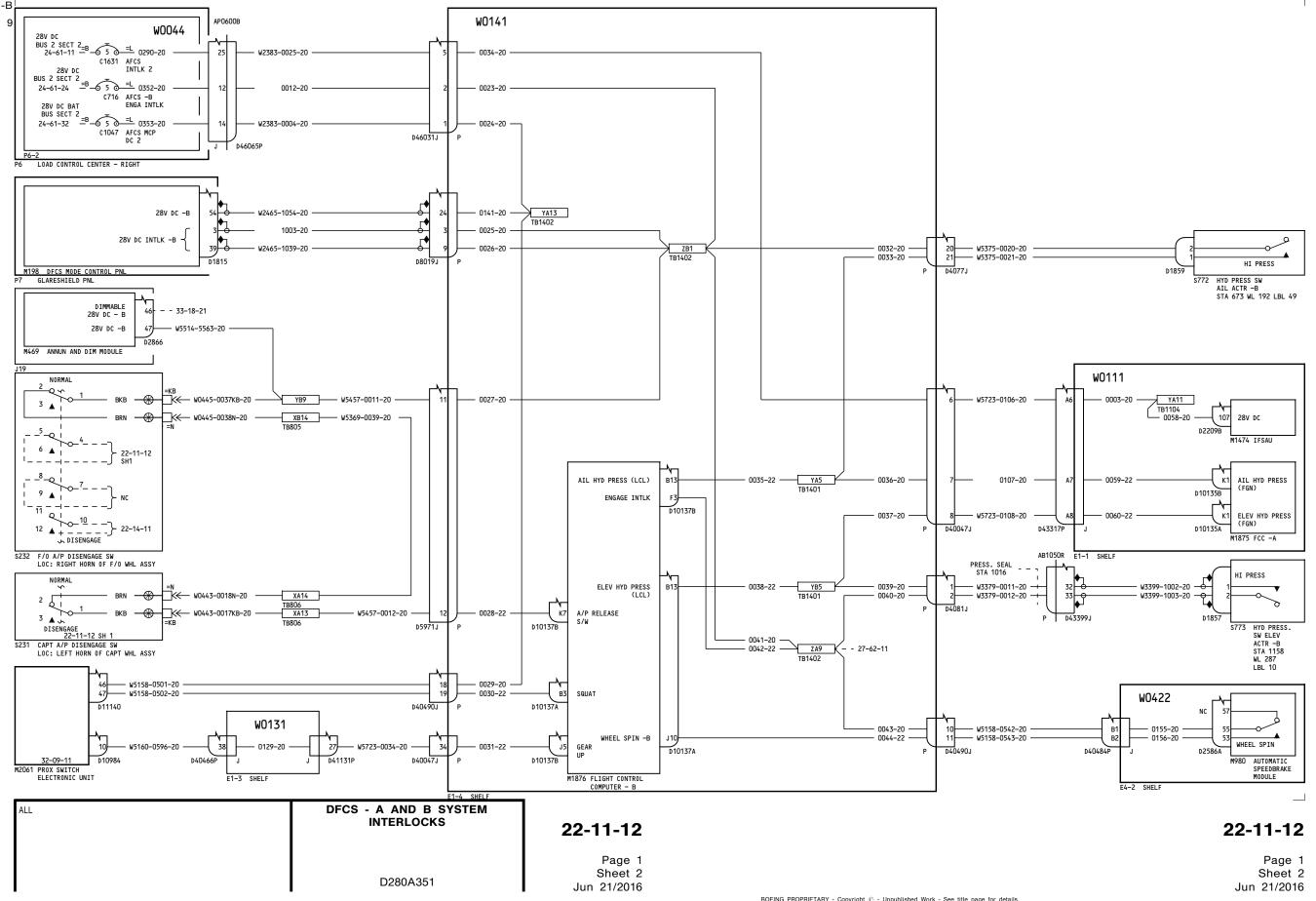


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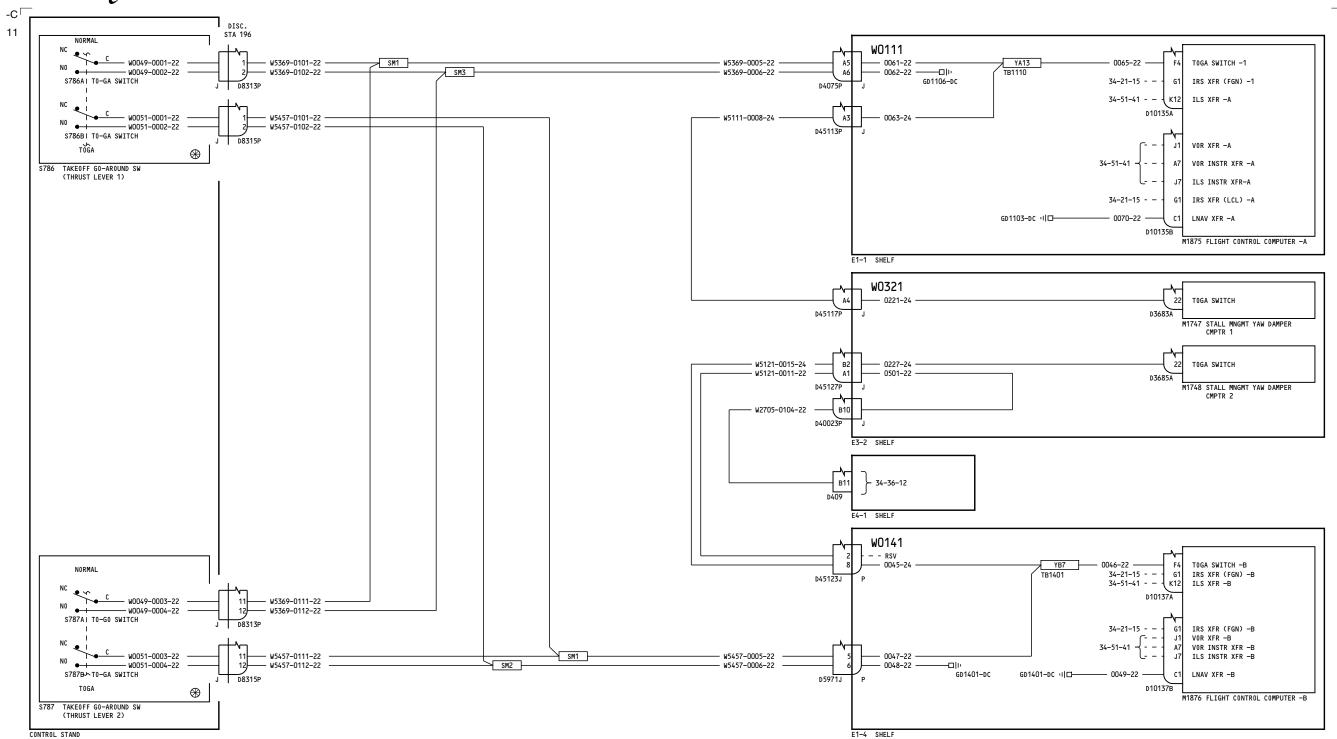
22-11-12

Page 1 Sheet 1 Jun 21/2016 22-11-12

Page 1 Sheet 1 Jun 21/2016



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**DFCS - INTERSYSTEM SWITCHING** D280A351

22-11-14

Jun 21/2016

Page 1

22-11-14

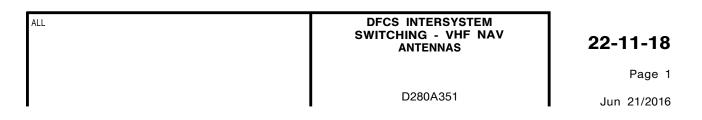
Page 1 Jun 21/2016

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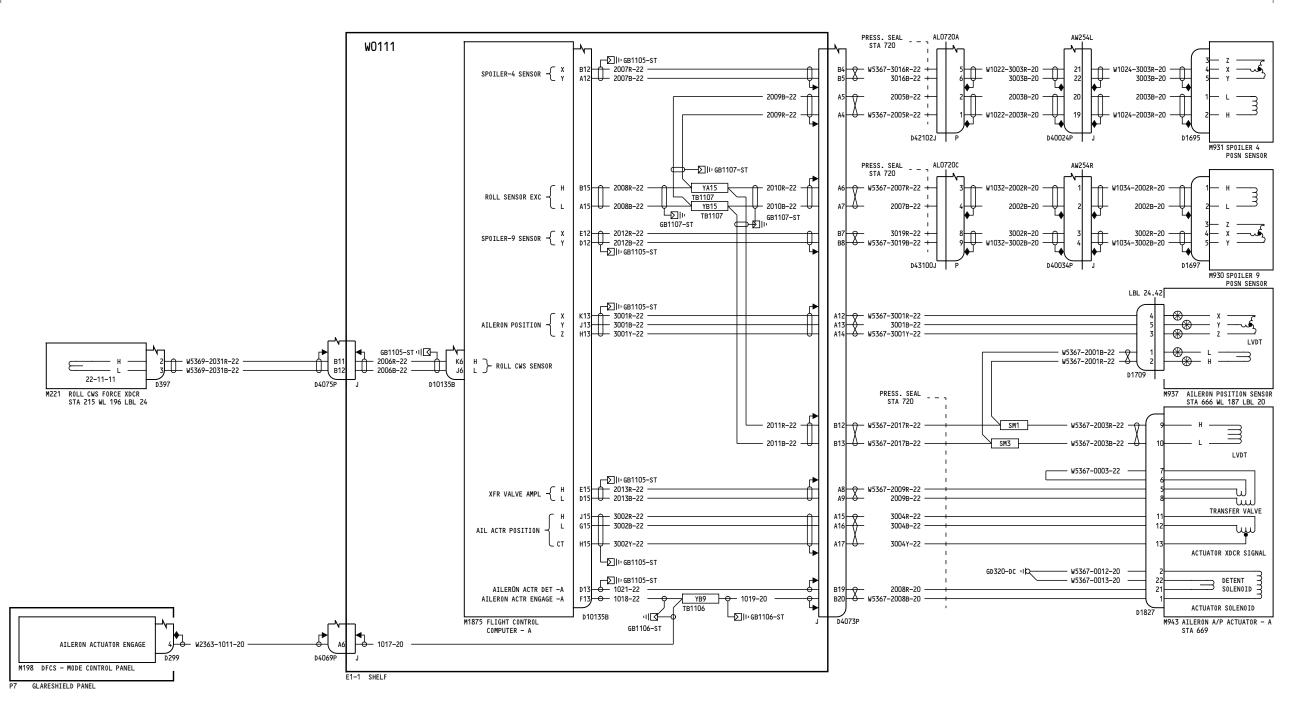
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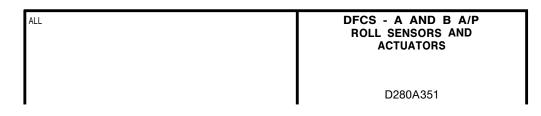
W0111 DC BUS ISOLATION -A DC BUS ISOLATION -A W0121 ILS RCVR TUNING INHIBIT YA15 TB1201 - W5111-0001-22 0072-22 FREQ LOCK D10719B D45113P REAR LOC ANT SEL -A M2104 MMR-1 34-51-41 ILS TEST INHB/ANT -A M1875 FCC -A D4029J E1-2 SHELF W0311 - 0110-22 - W5111-0025-22 FREQ LOCK D45111P M1735 RADIO ALT TRANSCEIVER -1 W0321 DC BUS FREQ LOCK — w5111-0026-22 ISOLATION -B M1474 INTEG FLT SYS ACCESS UNIT D45137P M1736 RADIO ALT TRANSCEIVER -2 E3-2 SHELF E1-1 SHELF W0141 DC BUS ISOLATION -B - W5723-0140-22 **—** 0060-22 W2149-0045-22 FREQ LOCK D303 34-51-41 P8-25 NAV CONT PNL - L YA9 TB1401 W5721-0021-22 FREQ LOCK REAR LOC ANT. SEL -B ILS TEST INHB/ANT -B M1876 FCC -B W0151 ILS RCVR INHIBIT TUNING F15 FREQ LOCK W2151-0045-22 W5121-0018-22 - 0063-22 0064-22 D45123P D10721B D305 34-51-41 D4031J D45125J M2105 MMR-2 P8-26 NAV CONT PNL - R E1-5 SHELF



22-11-18

Page 1
Jun 21/2016

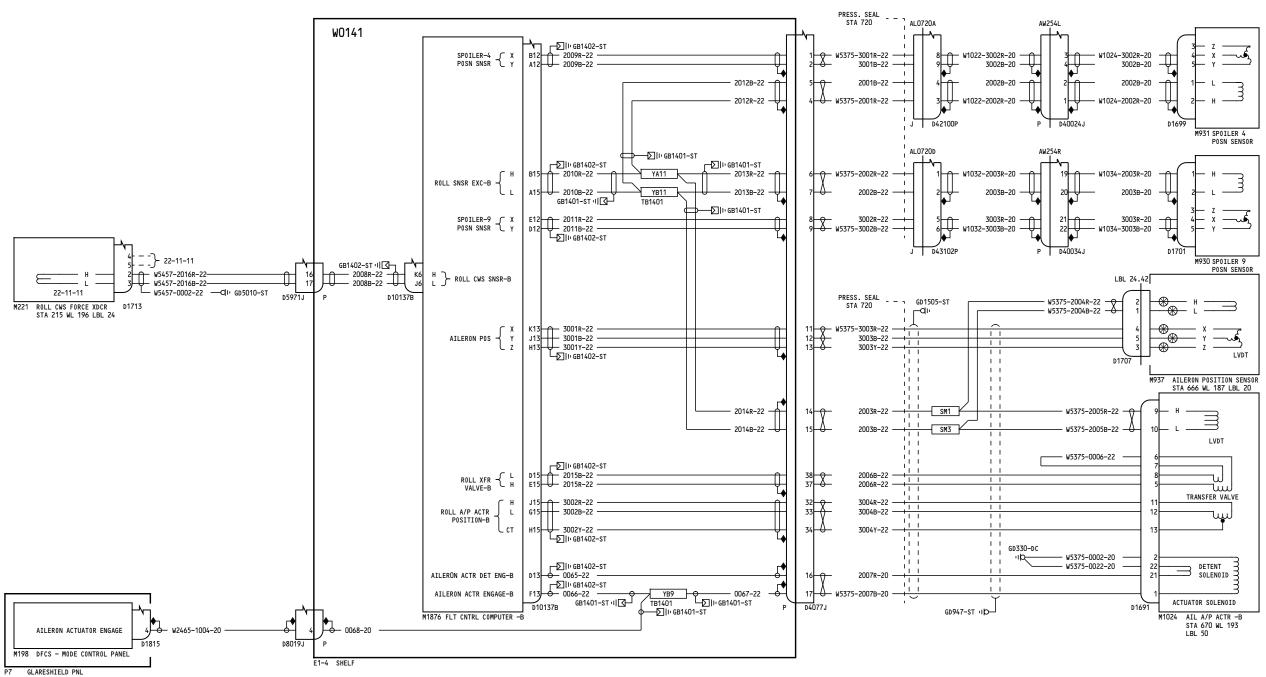




22-11-31

Page 1 Sheet 1 Jun 21/2016 22-11-31

Page 1 Sheet 1 Jun 21/2016 26



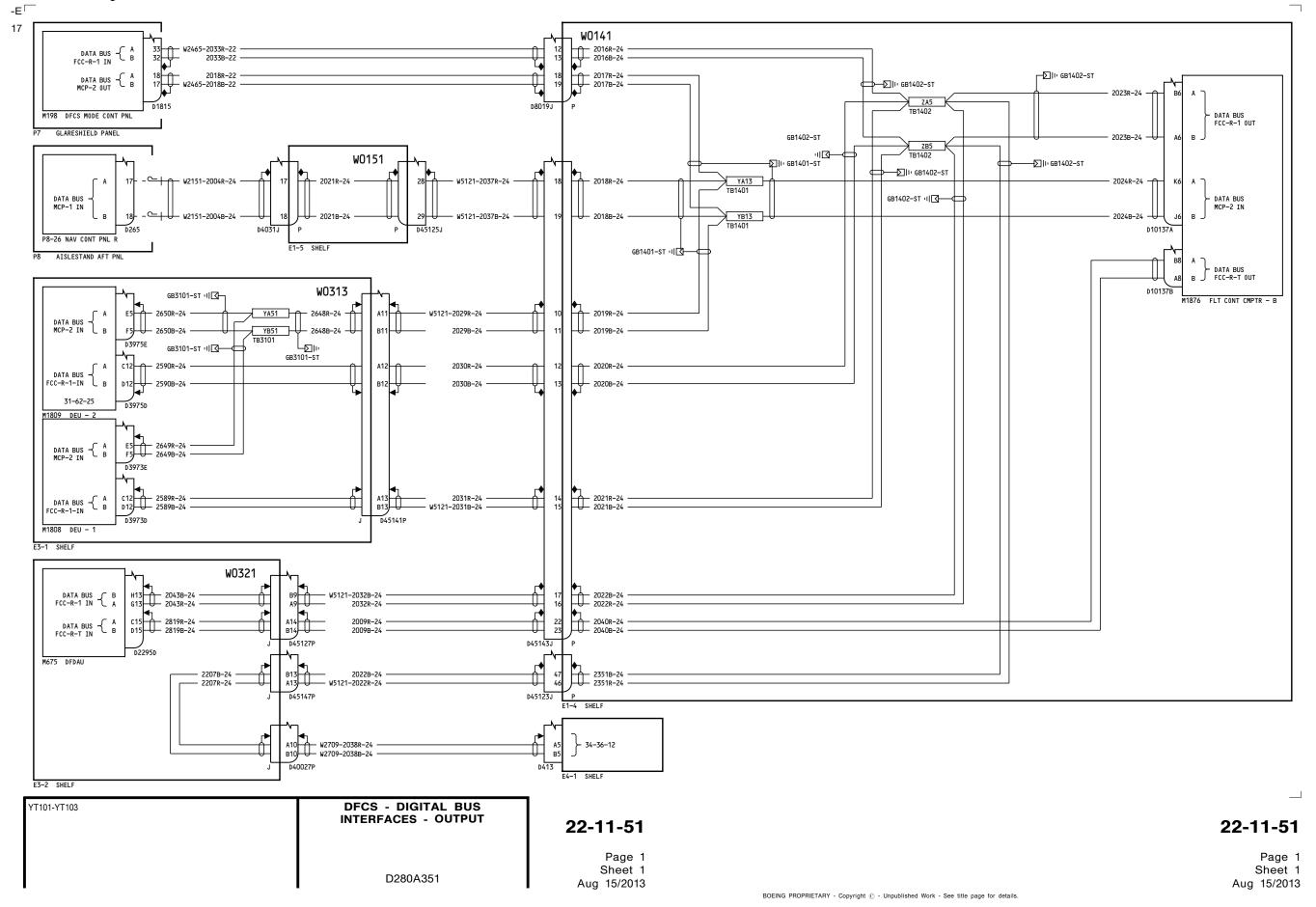
DFCS - A AND B A/P
ROLL SENSORS AND
ACTUATORS

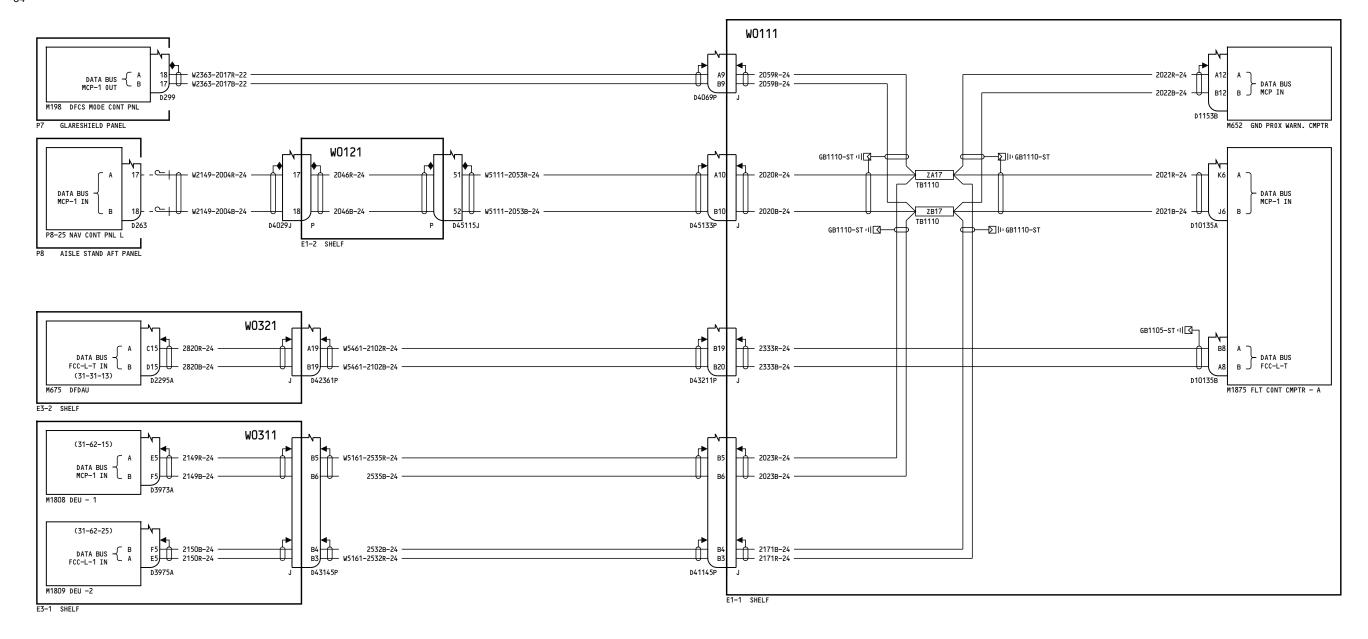
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22-11-31

Page 1 Sheet 2 Jun 21/2016 22-11-31

Page 1 Sheet 2 Jun 21/2016





PT101-YT103

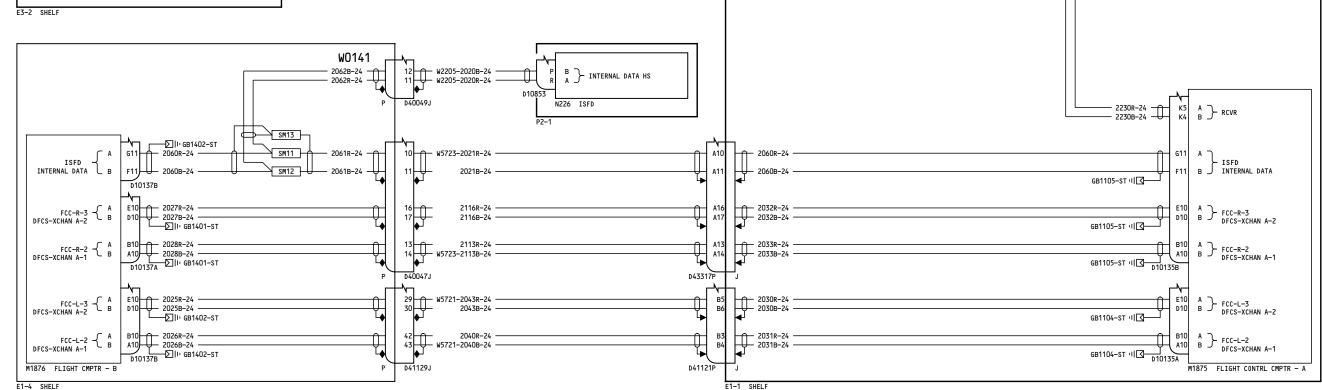
DFCS - DIGITAL BUS INTERFACES - OUTPUT

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22-11-51

Page 1 Sheet 2 Aug 15/2013 22-11-51

Page 1 Sheet 2 Aug 15/2013



YT101-YT103

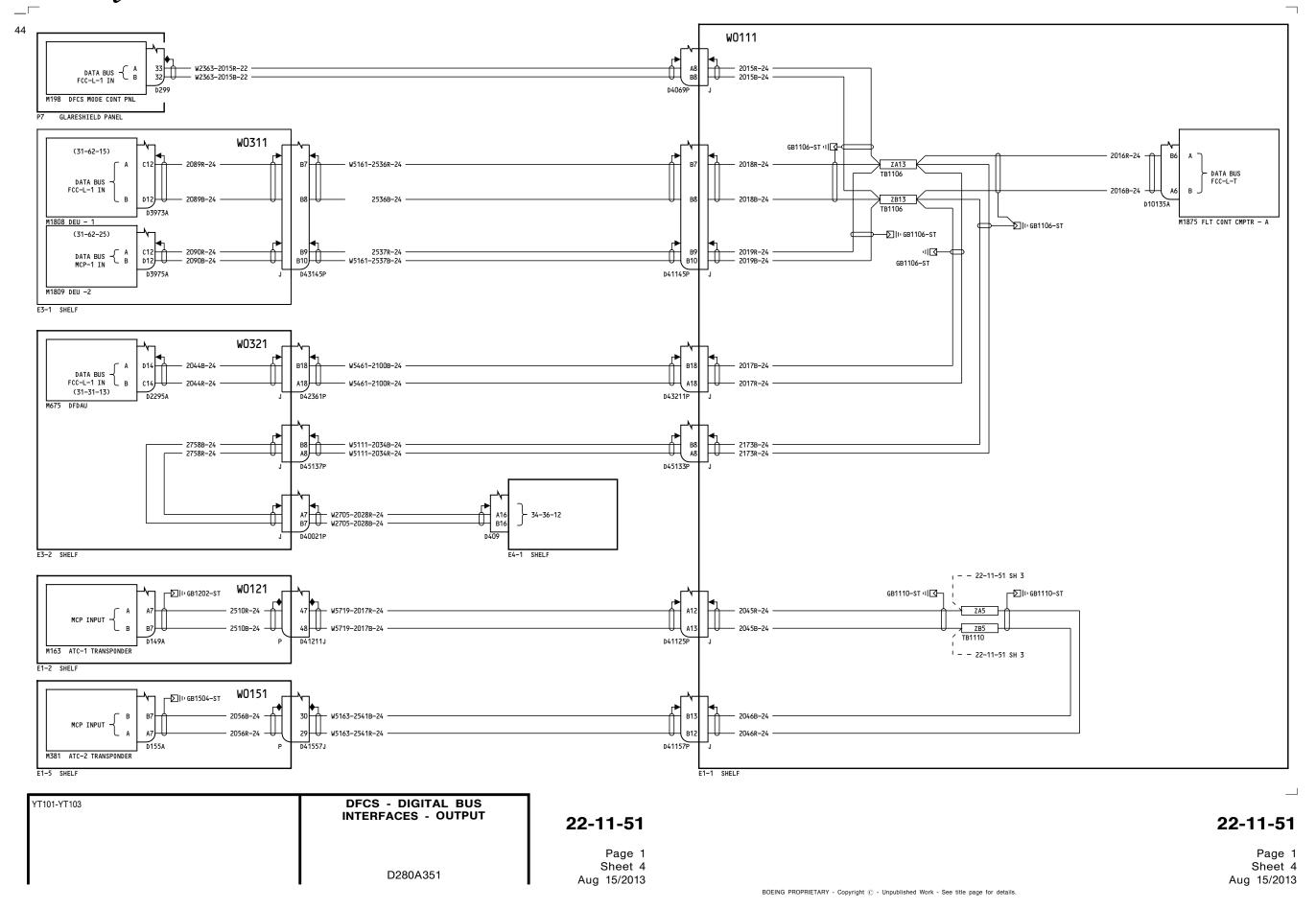
DFCS - DIGITAL BUS INTERFACES - OUTPUT

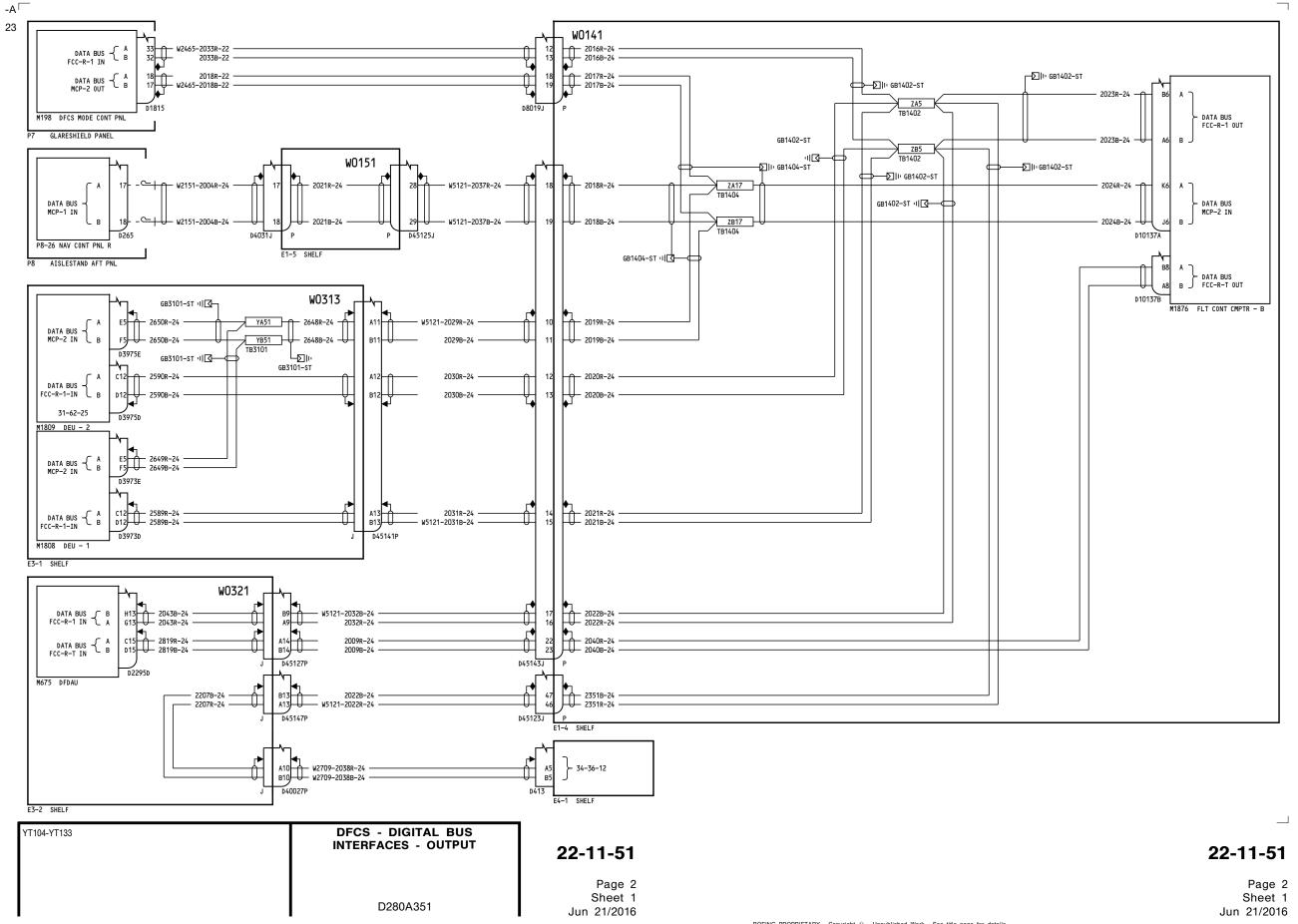
D280A351

22-11-51

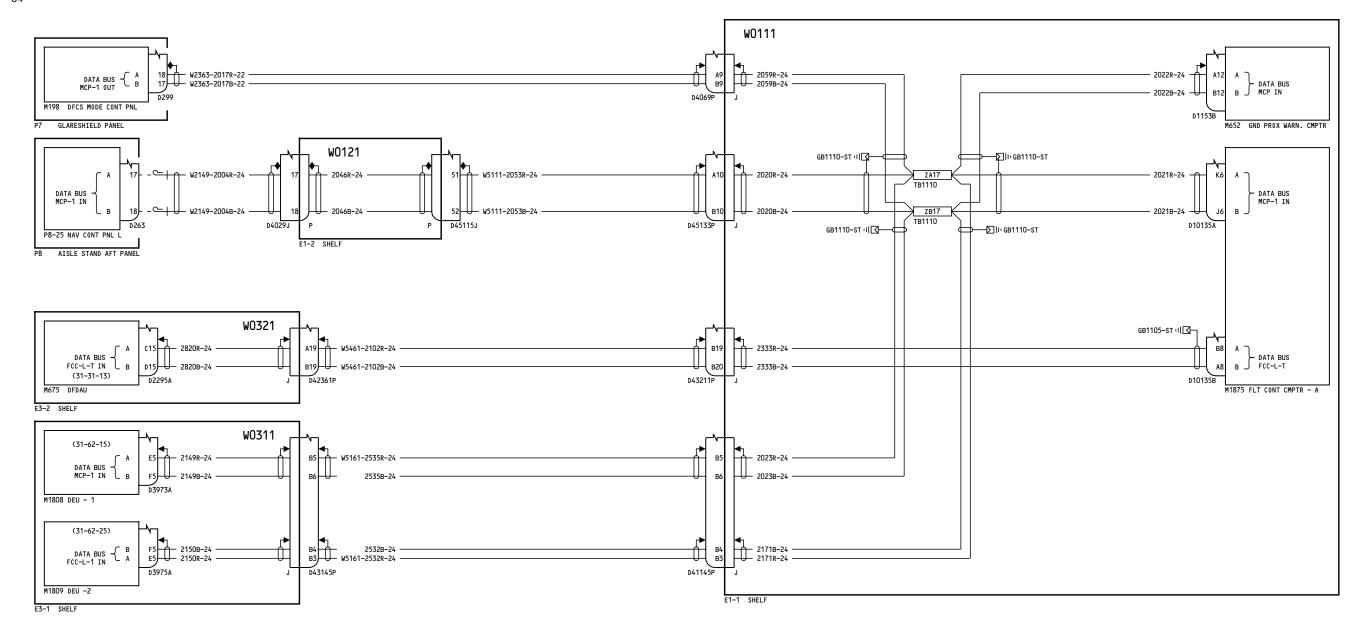
Page 1 Sheet 3 Aug 15/2013 22-11-51

Page 1 Sheet 3 Aug 15/2013





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DFCS - DIGITAL BUS INTERFACES - OUTPUT

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22-11-51

Page 2 Sheet 2 Jun 21/2016 22-11-51

Page 2 Sheet 2 Jun 21/2016

YT104-YT133 **DFCS - DIGITAL BUS INTERFACES - OUTPUT** D280A351

D41129J

D10137B DIII GB1402-ST

DFCS-XCHAN A-1

E1-4 SHELF

M1876 FLIGHT CMPTR - B

22-11-51

D41121P

E1-1 SHELF

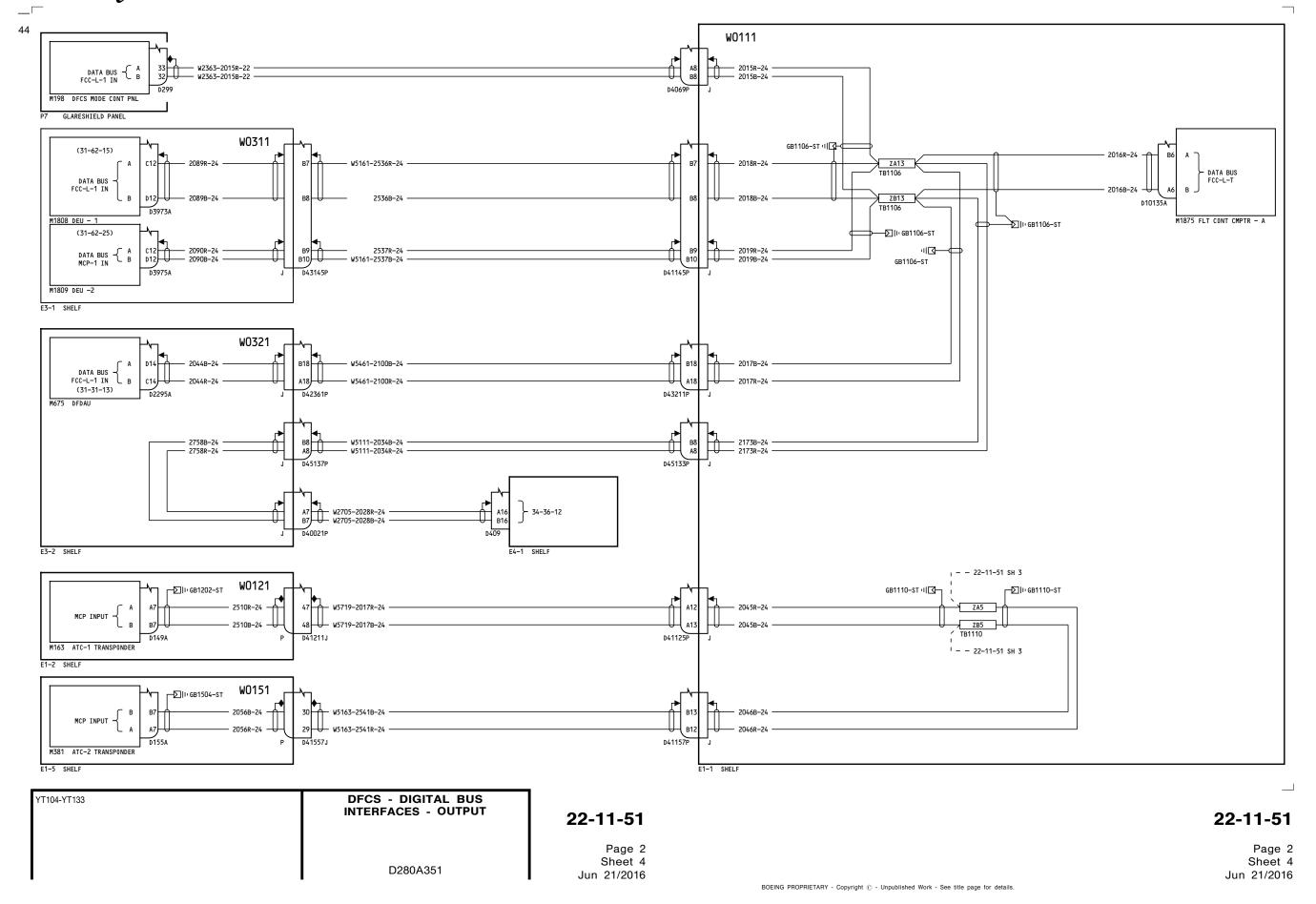
Page 2 Sheet 3 Jun 21/2016 22-11-51

DFCS-XCHAN A-1

M1875 FLIGHT CONTRL CMPTR - A

GB1104-ST 11 D10135A

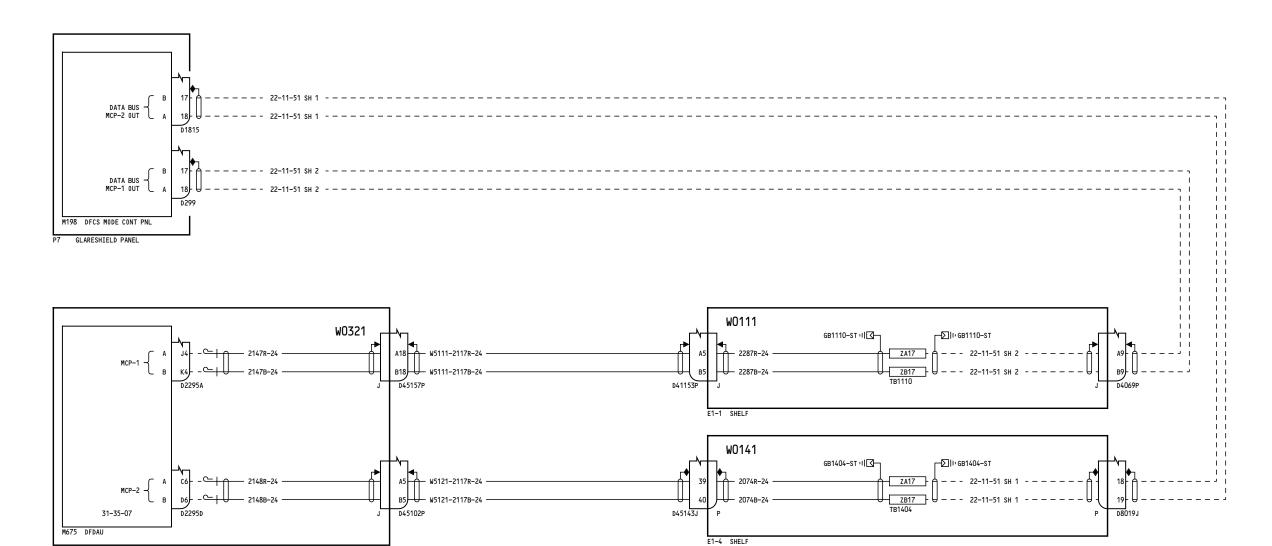
Page 2 Sheet 3 Jun 21/2016





-A —

E3-2 SHELF



DFCS - DIGITAL BUS INTERFACES - OUTPUT

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22-11-51

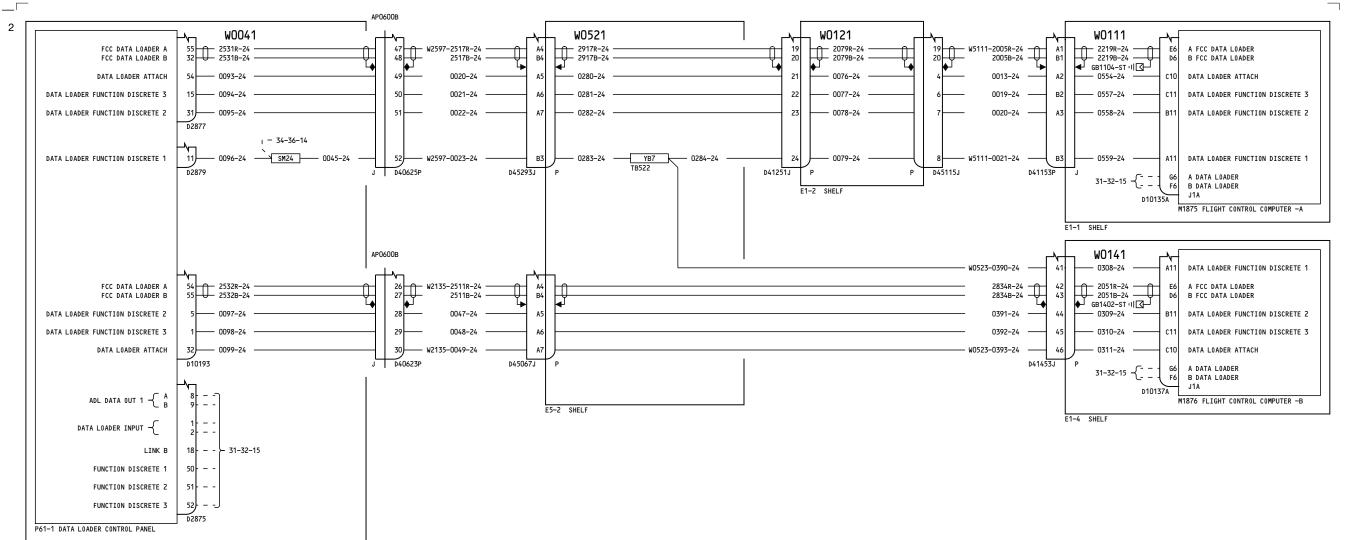
Page 2 Sheet 5 Jun 21/2016 22-11-51

Page 2 Sheet 5 Jun 21/2016



P61 PANEL

#### 737-800 WIRING DIAGRAM MANUAL



DFCS - DIGITAL BUS INTERFACES - DATA LOADER

D280A351

22-11-53

Page 1
Jun 21/2016

22-11-53

Page 1

Jun 21/2016

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#### 737-800 WIRING DIAGRAM MANUAL

723 W0111 - 0101-24 ALTITUDE ALERT 200FT/750FT FIXED - 0102-24 A/S WARN - 0103-24 CWS WARN CWS OVERRIDE SINGLE IRU - 0106-24 HDG SEL - 0107-24 - 0108-24 CONFIGURATION PINS → EDFCS 1 INHIBIT GS CAPT BEFORE LOC CAPT 12 -ALT/SPD INTVN - 0112-24 AP MODEL ID O AP MODEL ID 1 AP MODEL ID 2 AP MODEL ID 3 AP MODEL ID 4 13 S DUAL CHANNEL 15 MLS INSTALLED - 0115-24 16 GLS INSTALLED - 0444-24 <sup>17</sup> > RADIO ALTITUDE < 10 FT (A) J3- - - 78-34-11 <sup>18</sup> >> G3- - - 32-64-21 RADIO ALTITUDE < 200 FT <sup>19</sup> ≥ RADIO ALTITUDE < 500 FT RADIO ALTITUDE < 1000 FT 21 > RADIO ALTITUDE < 1500 FT 22 >> RADIO ALTITUDE < 800 FT C1- - 32-64-21 23 > ODD PARITY кв 0124-24 (J1A) D10135A GD1104-DC ·I|□--- 0125-22 ---M1992 PROGRAM SW MODULE AUTOPILOT SYS A — 0081-22 ——□|I: GD1103-DC DME HOLD RADIO ALTITUDE < 10 FT (B) J3- - - 27-62-11 A INDEX D10135B (J1B)

E1-1 SHELF

#### NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

M1875 FLIGHT CONTROL COMPUTER -A

YT101-YT104	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 1 Sheet 1 Aug 18/2014 M1992 (W0119)

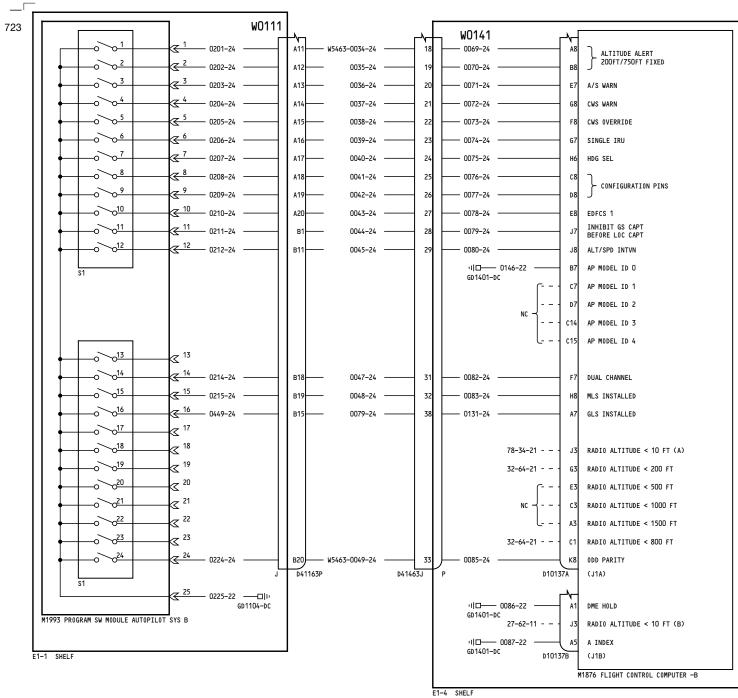
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#### 22-11-75

Page 1 Sheet 1 Aug 18/2014

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NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT101-YT104	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 1 Sheet 2 Aug 18/2014 1

	M1993												(W01	19)									
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22-11-75

Page 1 Sheet 2 Aug 18/2014



18

#### 737-800 WIRING DIAGRAM MANUAL

1 W0111 INTLK 1 INTLK 2 - 0762-24 INTLK 3 **—** 0763-24 OPC ENABLE SFP - 0766-24 AUTO ARM 2ND CHANNEL (J1A) D10135A MDA OPTION EDFCS 2 EXTERNAL A/T WINGLETS (J1B) D10135B A/T OPER DISABLE (J1C) D10135C FP ROLLOUT **—** 0773**–**24 CAT IIIB C14 0787-24 ADIRU-3 - 0788-24 ILS-3 D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A GD1104-DC :||□─── 0790-24 — M2539 PROGRAM SW MODULE AUTOPILOT SYS A w2363−1014−22 -CAT IIIB LOCKOUT (J101) 22-14-11 M198 DFCS MODE CONT PNL E1-1 SHELF

NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT101-YT104	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 1 Sheet 3 Aug 18/2014 22-11-75

(WO119)

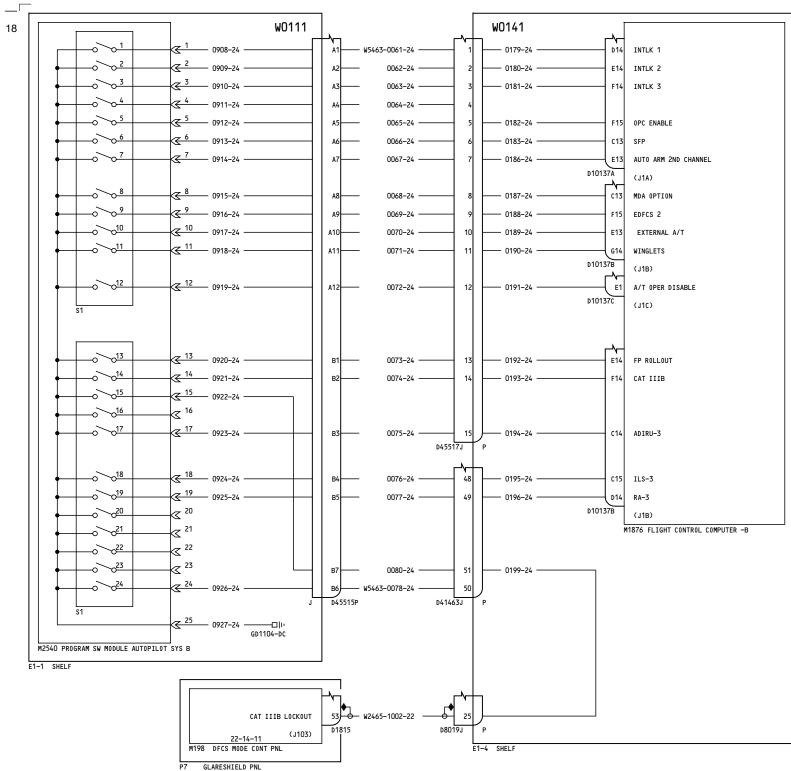
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Page 1 Sheet 3 Aug 18/2014

GLARESHIELD PNL

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#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT101-YT104

DFCS - A AND B
OPTION PINS

D280A351

22-11-75

Page 1 Sheet 4 Aug 18/2014

22-11-75

Page 1 Sheet 4 Aug 18/2014

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#### 737-800 WIRING DIAGRAM MANUAL

965 W0111 - 0101-24 ALTITUDE ALERT 200FT/900FT FIXED - 0102-24 - 0103-24 A/S WARN CWS OVERRIDE SINGLE IRU - 0106-24 HDG SEL - 0107-24 - 0108-24 CONFIGURATION PINS → EDFCS 1 INHIBIT GS CAPT BEFORE LOC CAPT 12 -ALT/SPD INTVN - 0112-24 AP MODEL ID O AP MODEL ID 1 AP MODEL ID 2 AP MODEL ID 3 AP MODEL ID 4 13 S DUAL CHANNEL 15 MLS INSTALLED - 0115-24 16 > GLS INSTALLED - 0444-24 <sup>17</sup> > RADIO ALTITUDE < 10 FT (A) J3- - - 78-34-11 <sup>18</sup> > G3- - - 32-64-21 RADIO ALTITUDE < 200 FT <sup>19</sup> > RADIO ALTITUDE < 500 FT RADIO ALTITUDE < 1000 FT <sup>21</sup> ∑' RADIO ALTITUDE < 1500 FT 22 >> RADIO ALTITUDE < 800 FT C1- - 32-64-21 23 > ODD PARITY кв 0124-24 (J1A) D10135A GD1104-DC ·I|□--- 0125-22 ---M1992 PROGRAM SW MODULE AUTOPILOT SYS A — 0081-22 ——□|I: GD1103-DC DME HOLD RADIO ALTITUDE < 10 FT (B) J3- - - 27-62-11 A INDEX D10135B (J1B)

E1-1 SHELF

#### NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

M1875 FLIGHT CONTROL COMPUTER -A

YT101-YT104	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

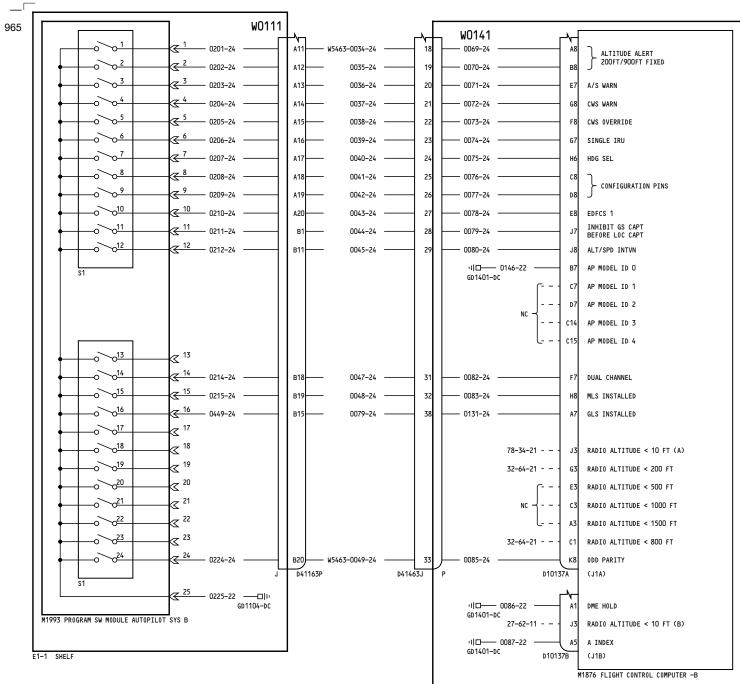
Page 1.1 Sheet 1 Jun 21/2016 Incorporates → 22-1295

22-11-75

Page 1.1 Sheet 1 Jun 21/2016

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E1-4 SHELF

NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT101-YT104	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 1.1 Sheet 2 Jun 21/2016 Incorporates
22-1295

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 1 1 1 1 1 0 0 0 1 1 0 1 1 1 1 0 1 0 0 0 0 0 0 0 0 0

22-11-75

Page 1.1 Sheet 2 Jun 21/2016



18

#### 737-800 WIRING DIAGRAM MANUAL

1 W0111 INTLK 1 - 0761-24 INTLK 2 - 0762-24 INTLK 3 **—** 0763-24 OPC ENABLE SFP - 0766-24 AUTO ARM 2ND CHANNEL (J1A) D10135A MDA OPTION EDFCS 2 EXTERNAL A/T WINGLETS (J1B) D10135B A/T OPER DISABLE (J1C) D10135C FP ROLLOUT **—** 0773**–**24 CAT IIIB C14 0787-24 -ADIRU-3 ILS-3 **—** 0788–24 D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A GD1104-DC :I|□----- 0790-24 --M2539 PROGRAM SW MODULE AUTOPILOT SYS A A15 W2363-1014-22 -(J101)

NOTES:

E1-1 SHELF

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT101-YT104 DFCS - A AND B **OPTION PINS** D280A351

22-11-75

Page 1.1 Sheet 3 Jun 21/2016 22-11-75

Page 1.1 Sheet 3 Jun 21/2016

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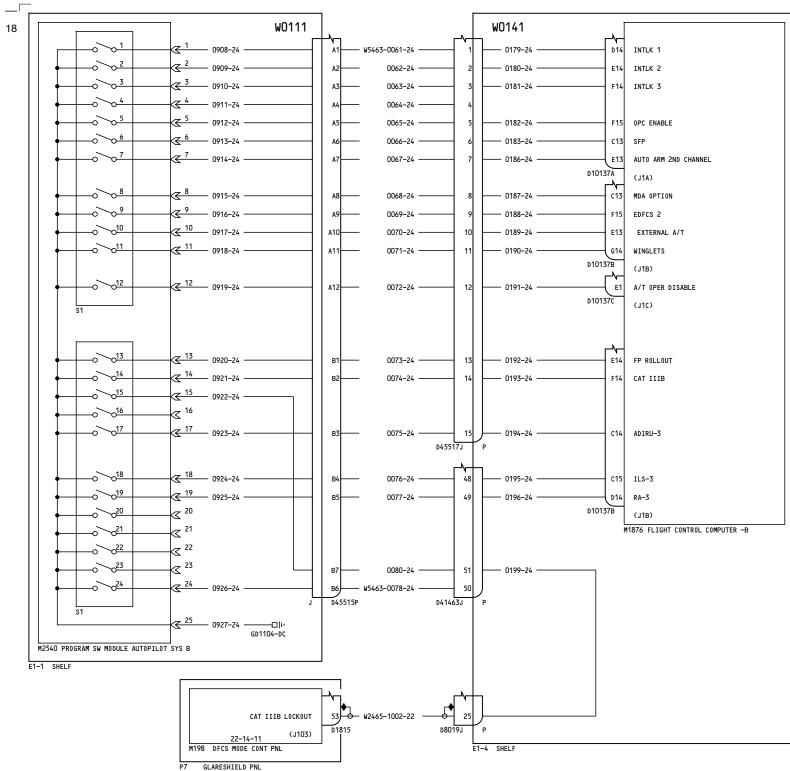
CAT IIIB LOCKOUT 22-14-11 M198 DFCS MODE CONT PNL GLARESHIELD PNL

(WO119)

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

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#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

DFCS - A AND B OPTION PINS

D280A351

22-11-75

Page 1.1 Sheet 4 Jun 21/2016 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0

22-11-75

Page 1.1 Sheet 4 Jun 21/2016

# BOEING

#### 737-800 WIRING DIAGRAM MANUAL

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259

W0111 - 0101-24 ALTITUDE ALERT 200FT/900FT FIXED - 0102-24 A/S WARN - 0103-24 CWS WARN CWS OVERRIDE SINGLE IRU - 0106-24 HDG SEL CONFIGURATION PINS EDFCS 1 INHIBIT GS CAPT BEFORE LOC CAPT ALT/SPD INTVN - 0112-24 — 0116-22 ——□|ı GD1102-DC AP MODEL ID O AP MODEL ID 1 AP MODEL ID 2 AP MODEL ID 3 AP MODEL ID 4 DUAL CHANNEL MLS INSTALLED GLS INSTALLED - 0444-24 RADIO ALTITUDE < 10 FT (A) J3- - - 78-34-11 <sup>18</sup> ≥ RADIO ALTITUDE < 200 FT - - 32-64-21 RADIO ALTITUDE < 500 FT RADIO ALTITUDE < 1000 FT RADIO ALTITUDE < 1500 FT RADIO ALTITUDE < 800 FT - - 32-64-21 ODD PARITY - 0124-24 (J1A) D10135A GD1104-DC :||□---- 0125-22 ---M1992 PROGRAM SW MODULE AUTOPILOT SYS A - 0081-22 ---□|I: GD1103-DC DME HOLD RADIO ALTITUDE < 10 FT (B) - 27-62-11 A INDEX D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A

E1-1 SHELF

#### NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT105-YT119, YT126-YT129	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 2 Sheet 1 Jun 21/2016 1

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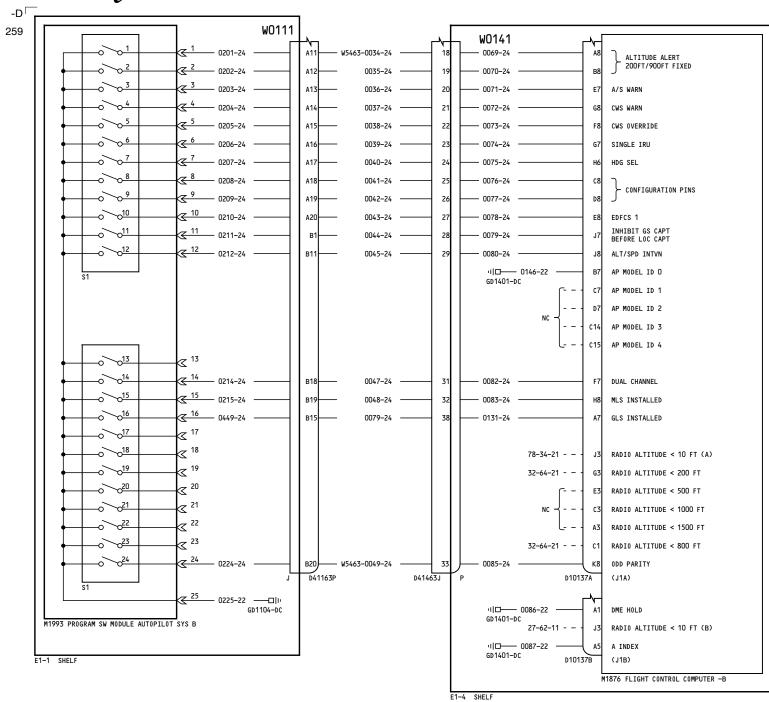
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Page 2 Sheet 1 Jun 21/2016

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#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT105-YT119, YT126-YT129	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 2 Sheet 2 Jun 21/2016 22-11-75

Page 2 Sheet 2 Jun 21/2016



18

#### 737-800 WIRING DIAGRAM MANUAL

1 W0111 INTLK 1 - 0761-24 INTLK 2 - 0762-24 INTLK 3 **—** 0763-24 OPC ENABLE SFP - 0766-24 AUTO ARM 2ND CHANNEL - 0767-24 (J1A) D10135A MDA OPTION EDFCS 2 EXTERNAL A/T WINGLETS (J1B) D10135B A/T OPER DISABLE (J1C) D10135C FP ROLLOUT **—** 0773**–**24 CAT IIIB C14 0787-24 -ADIRU-3 ILS-3 **—** 0788–24 D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A GD1104-DC :||□------ 0790-24 ---M2539 PROGRAM SW MODULE AUTOPILOT SYS A A15 W2363-1014-22 -(J101)

NOTES:

E1-1 SHELF

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

PT105-YT119, YT126-YT129

DFCS - A AND B
OPTION PINS

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22-11-75

Page 2 Sheet 3 Jun 21/2016 22-11-75

Page 2 Sheet 3 Jun 21/2016

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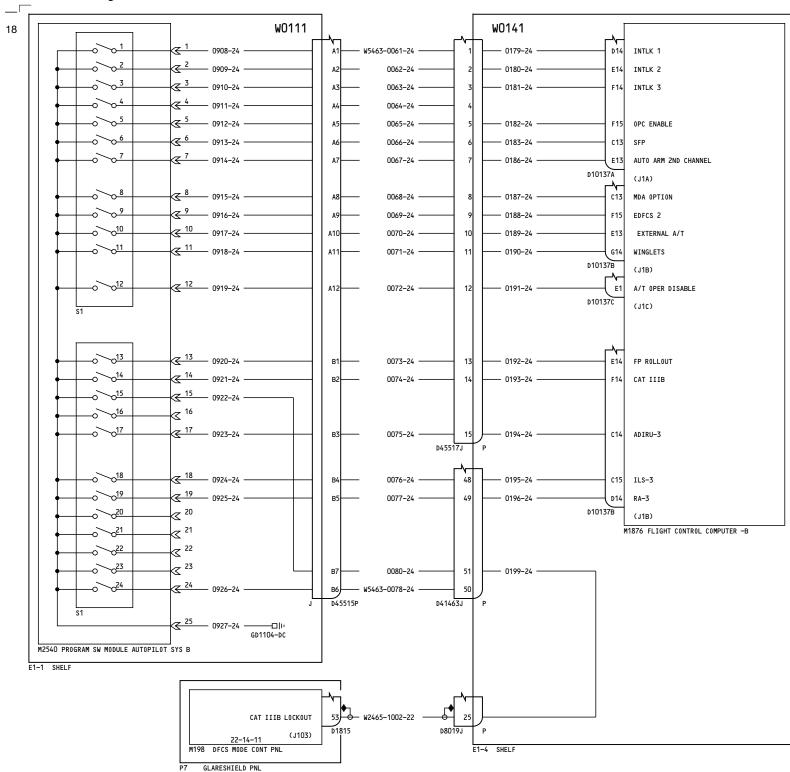
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(WO119)

6 CAT IIIB LOCKOUT
(J101)
22-14-11
M198 DFCS MODE CONT PNL
P7 GLARESHIELD PNL

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#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT105-YT119, YT126-YT129

DFCS - A AND B
OPTION PINS

D280A351

22-11-75

Page 2 Sheet 4 Jun 21/2016 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0

22-11-75

Page 2 Sheet 4 Jun 21/2016

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#### 737-800 WIRING DIAGRAM MANUAL

-A

505

W0111 - 0101-24 ALTITUDE ALERT 200FT/900FT FIXED - 0102-24 A/S WARN - 0103-24 CWS WARN RESRV1 SINGLE IRU - 0106-24 - 0107-24 HDG SEL - 0108-24 CONFIGURATION PINS EDFCS 1 INHIBIT GS CAPT BEFORE LOC CAPT 12 -ALT/SPD INTVN - 0112-24 AP MODEL ID O AP MODEL ID 1 AP MODEL ID 2 AP MODEL ID 3 AP MODEL ID 4 <sup>13</sup> >> DUAL CHANNEL 15 MLS INSTALLED - 0115-24 16 GLS INSTALLED - 0444-24 <sup>17</sup> > RADIO ALTITUDE < 10 FT (A) J3- - - 78-34-11 <sup>18</sup> >> RADIO ALTITUDE < 200 FT G3- - - 32-64-21 <sup>19</sup> ≥ RADIO ALTITUDE < 500 FT RADIO ALTITUDE < 1000 FT 21 > RADIO ALTITUDE < 1500 FT 22 >> RADIO ALTITUDE < 800 FT C1- - 32-64-21 23 > ODD PARITY кв 0124-24 (J1A) D10135A GD1104-DC :||□---- 0125-22 ---M1992 PROGRAM SW MODULE AUTOPILOT SYS A — 0081-22 ——□|I: GD1103-DC DME HOLD RADIO ALTITUDE < 10 FT (B) J3- - - 27-62-11 A INDEX D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A

1-1 SHELF

#### NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT120, YT130-YT133	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 3 Sheet 1 Jun 21/2016 1

M1992											(W0119)												
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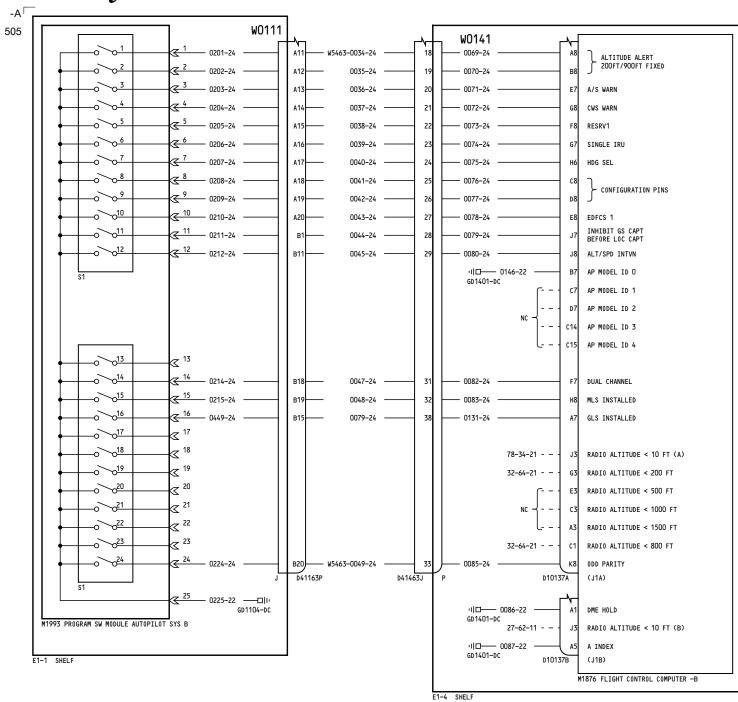
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Page 3 Sheet 1 Jun 21/2016

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#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

YT120, YT130-YT133	DFCS - A AND B OPTION PINS
	D280A351

22-11-75

Page 3 Sheet 2 Jun 21/2016 22-11-75

Page 3 Sheet 2 Jun 21/2016



18

#### 737-800 WIRING DIAGRAM MANUAL

1 W0111 INTLK 1 - 0761-24 INTLK 2 - 0762-24 INTLK 3 **—** 0763-24 OPC ENABLE SFP - 0766-24 AUTO ARM 2ND CHANNEL (J1A) D10135A MDA OPTION EDFCS 2 EXTERNAL A/T WINGLETS (J1B) D10135B A/T OPER DISABLE (J1C) D10135C FP ROLLOUT **—** 0773**–**24 CAT IIIB C14 0787-24 -ADIRU-3 ILS-3 **—** 0788–24 D10135B (J1B) M1875 FLIGHT CONTROL COMPUTER -A GD1104-DC :I|□----- 0790-24 --M2539 PROGRAM SW MODULE AUTOPILOT SYS A A15 W2363-1014-22 -CAT IIIB LOCKOUT (J101) 22-14-11 M198 DFCS MODE CONT PNL

NOTES:

E1-1 SHELF

1 SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

PT120, YT130-YT133

DFCS - A AND B
OPTION PINS

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Page 3 Sheet 3 Jun 21/2016 22-11-75

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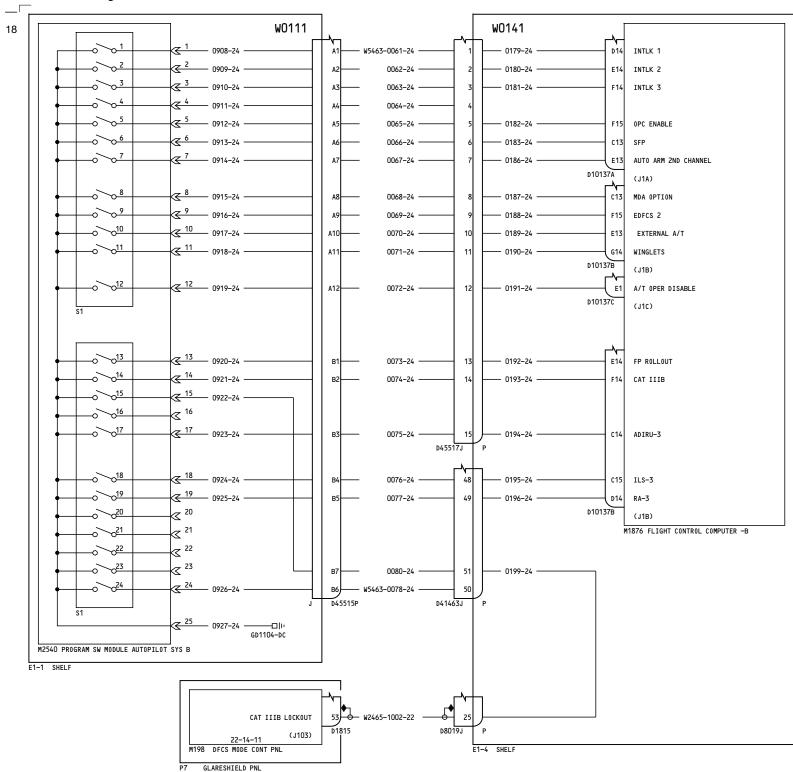
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GLARESHIELD PNL

## ( BOEING

#### 737-800 WIRING DIAGRAM MANUAL



NOTES:

SEE CHART FOR SWITCH POSITION
LOGIC "1" SWITCH IS ON (CLOSED)
LOGIC "0" SWITCH IS OFF (OPEN)

PT120, YT130-YT133

DFCS - A AND B OPTION PINS

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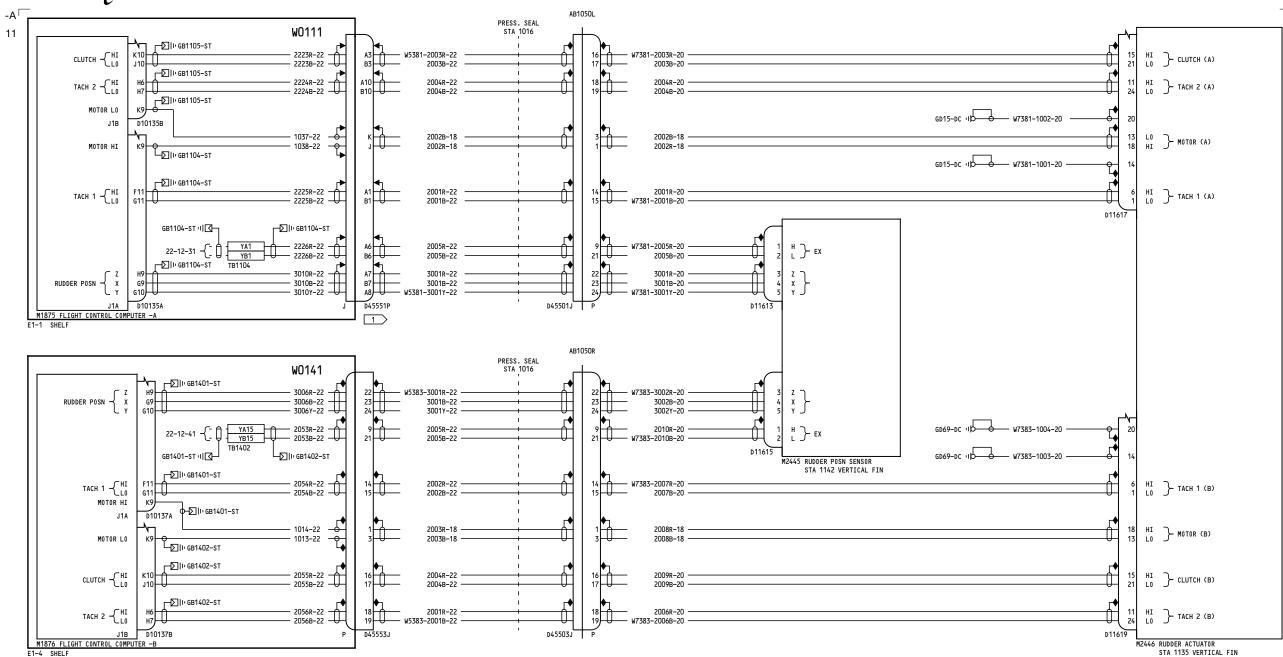
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22-11-75

Page 3 Sheet 4 Jun 21/2016





NOTES:

1 COIL AND STOW CONNECTOR PER BAC 5162 WHEN MATING EQUIPMENT NOT INSTALLED.

DFCS - RUDDER COMMAND
AND CONTROL

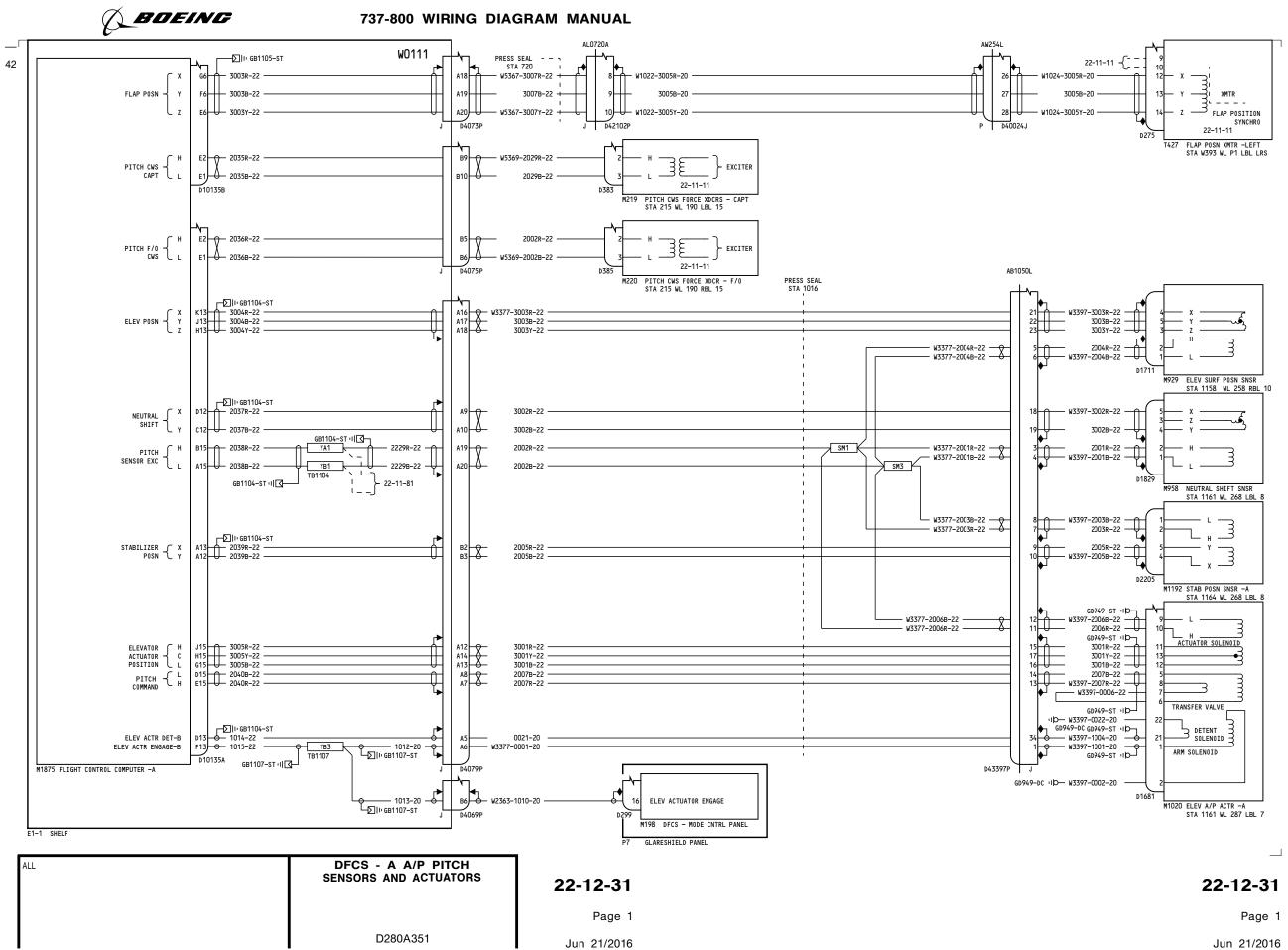
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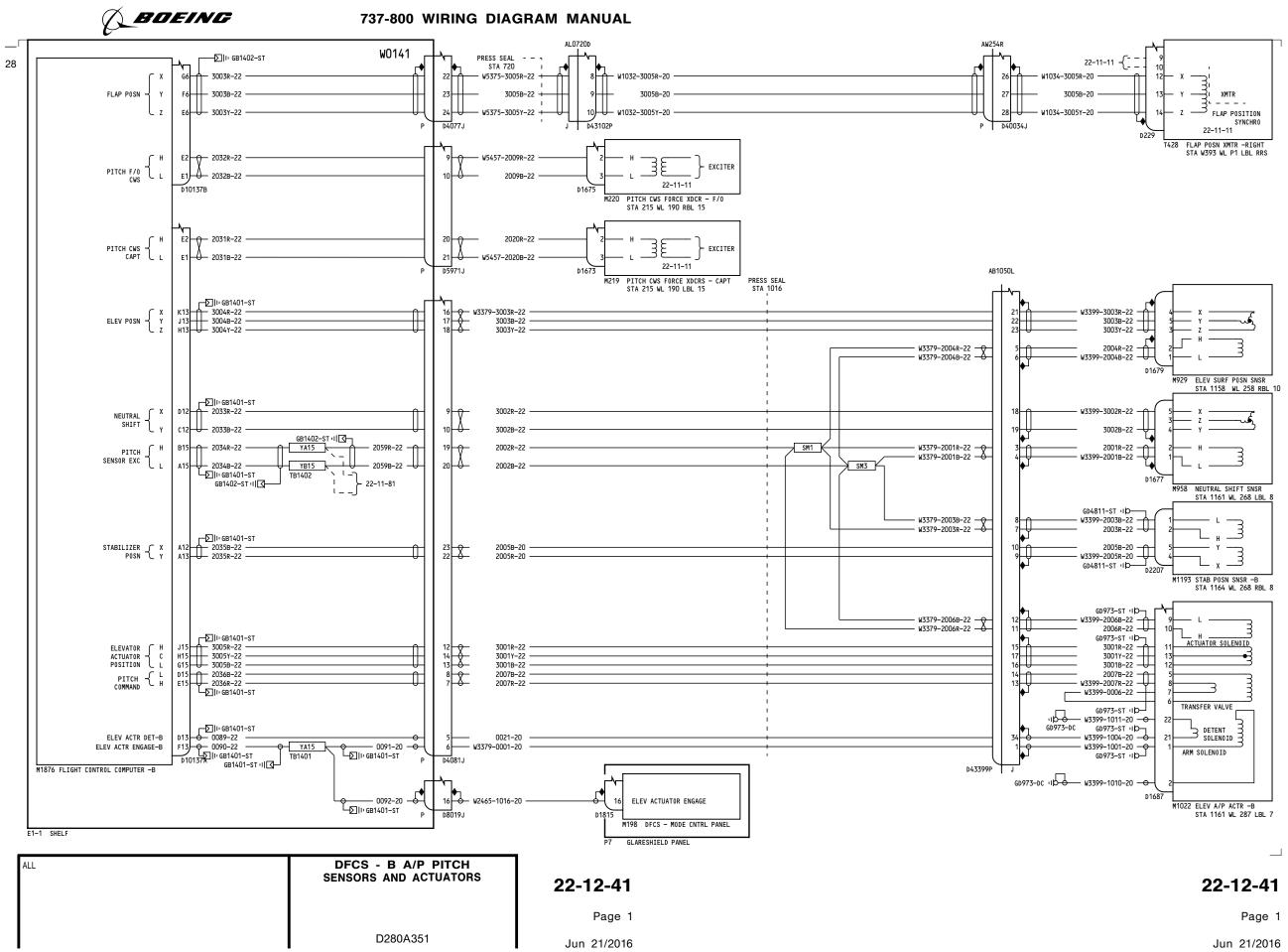
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Jun 21/2016

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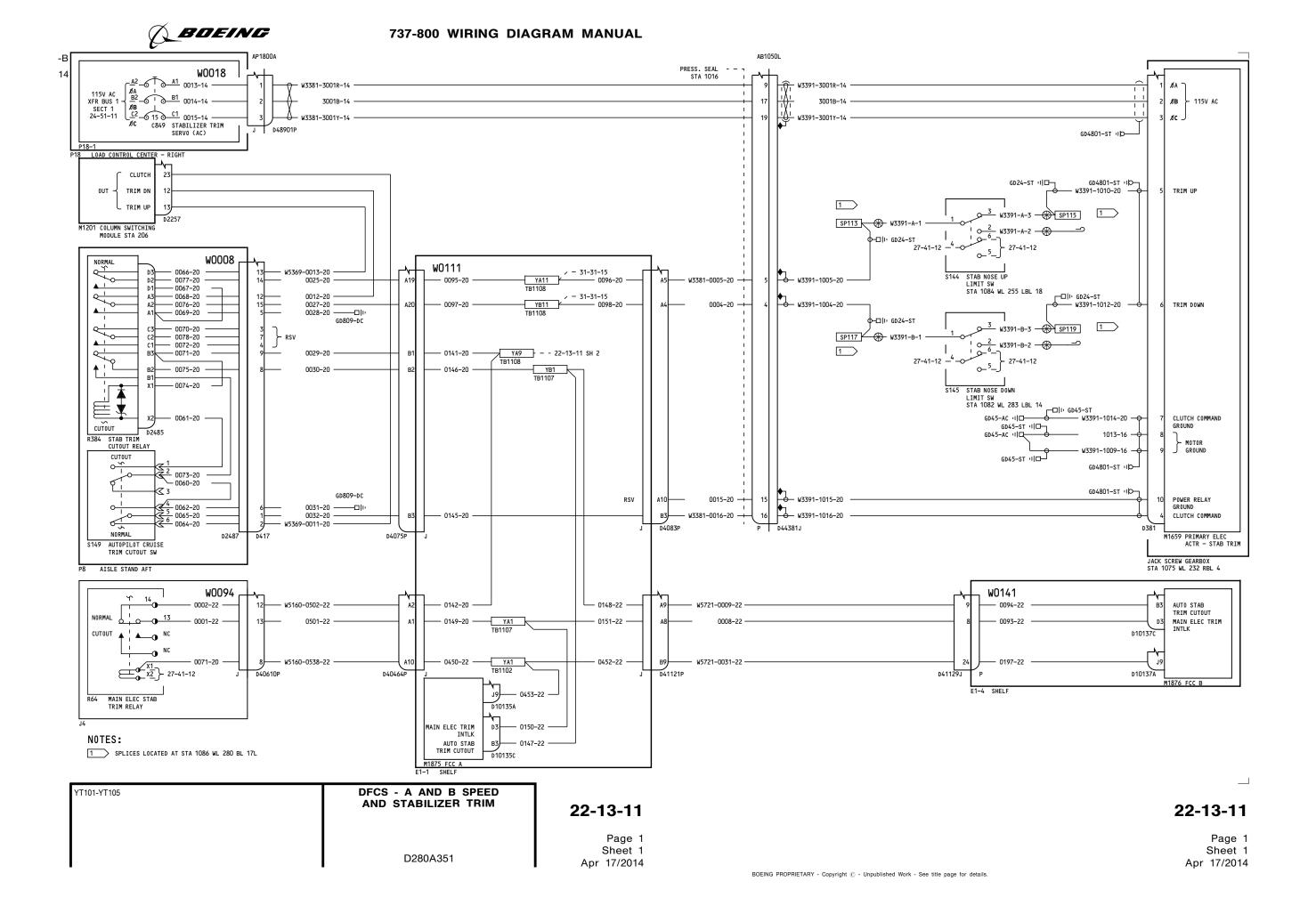
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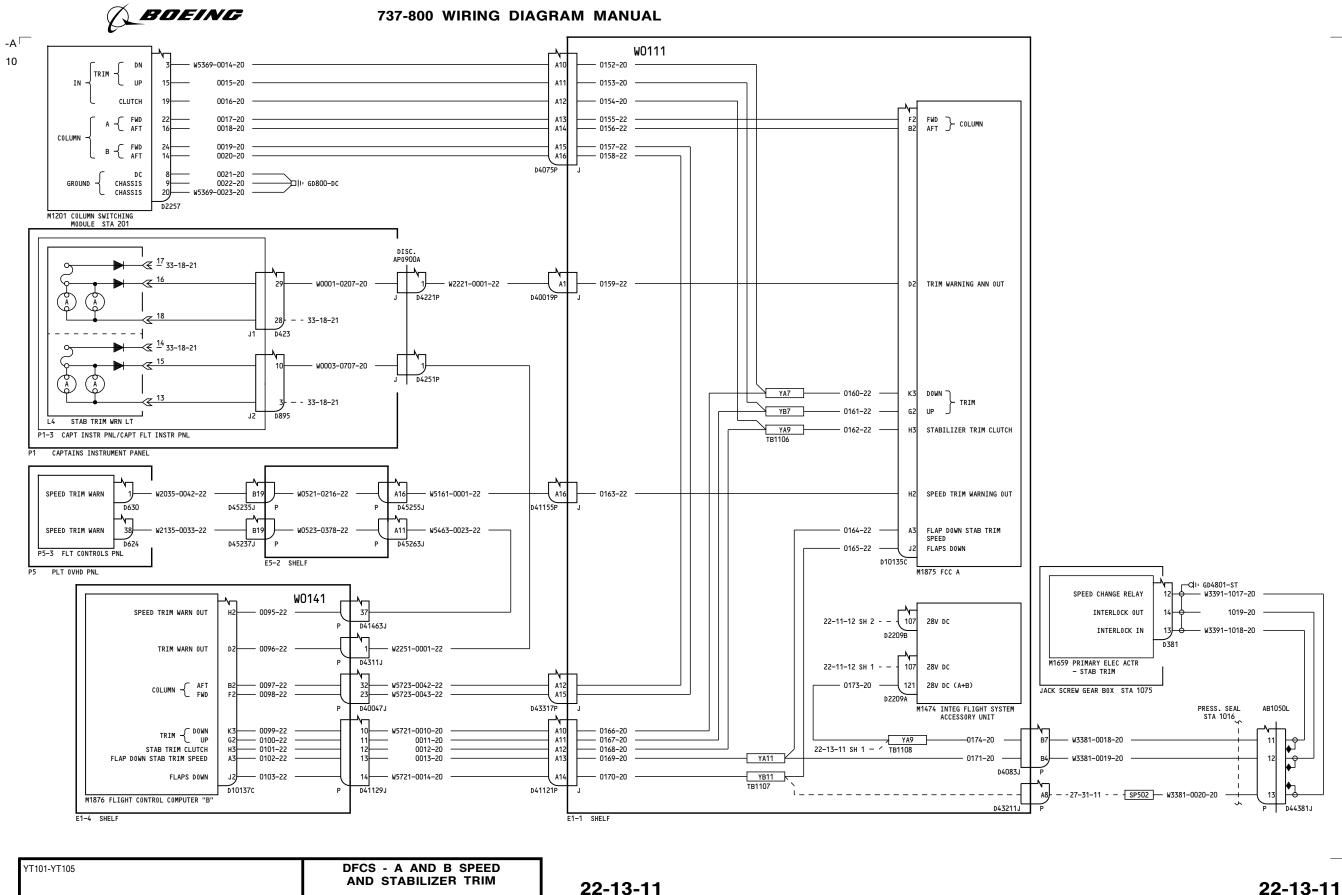


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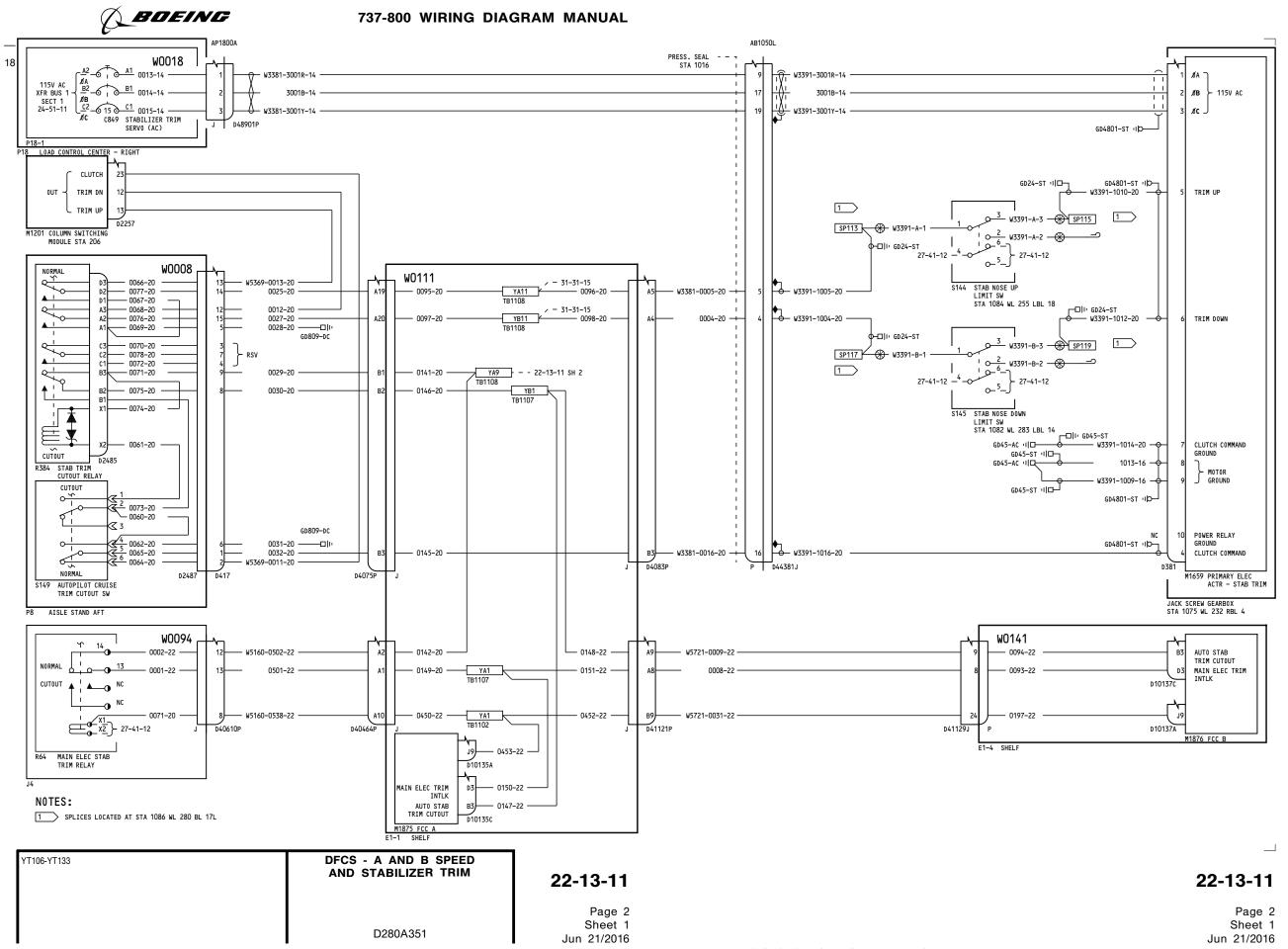
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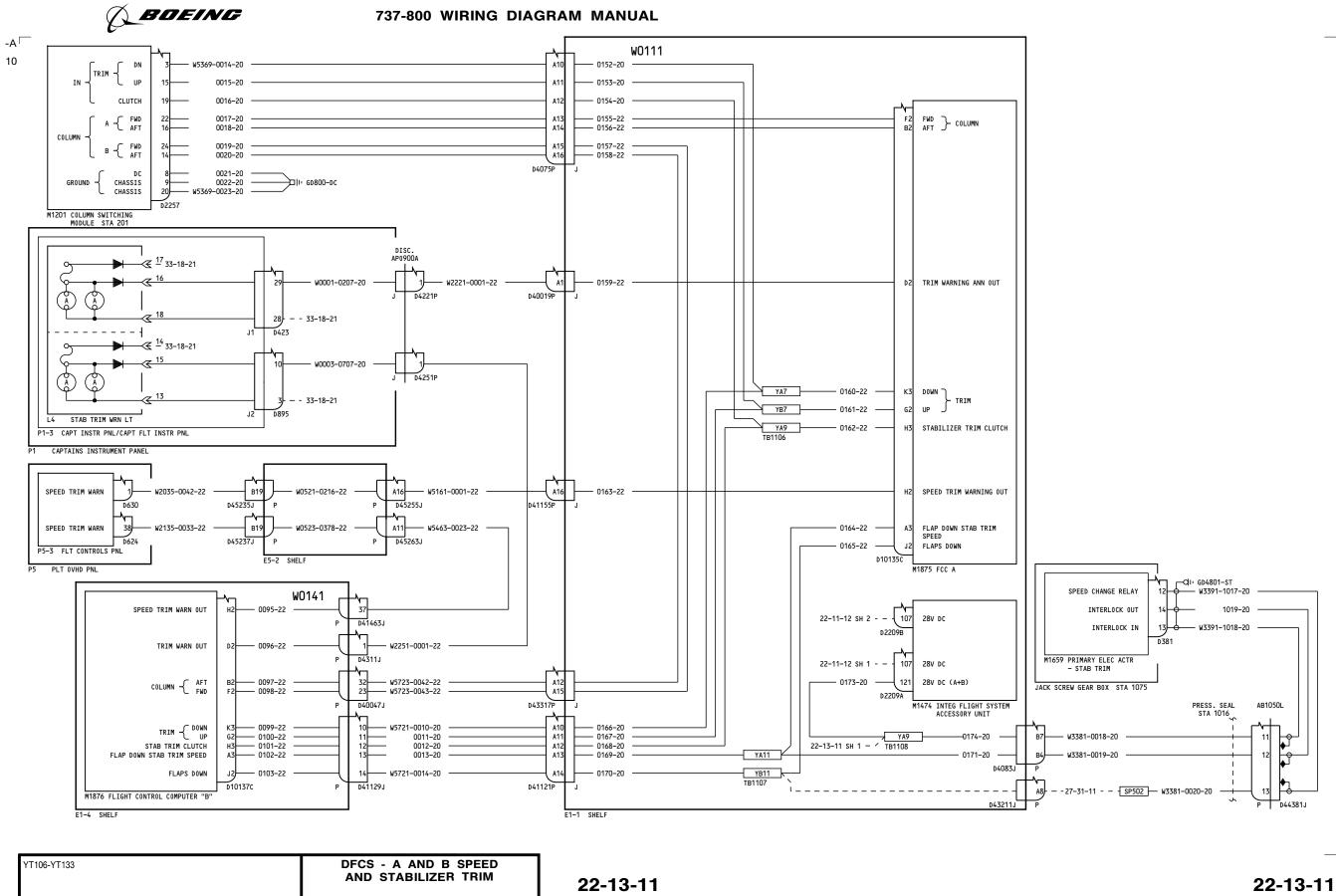
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22-13-11

Page 1 Sheet 2 Apr 17/2014





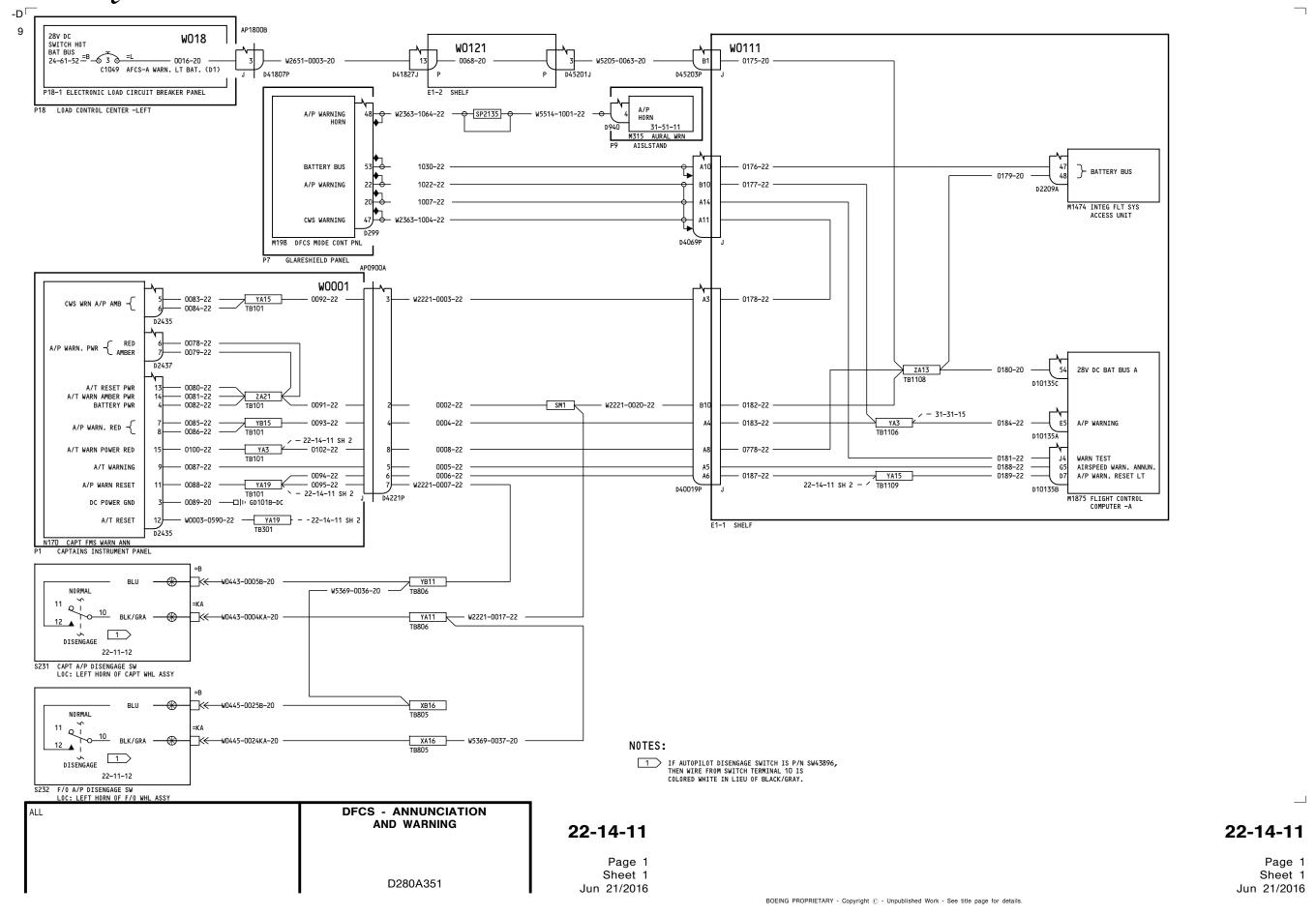
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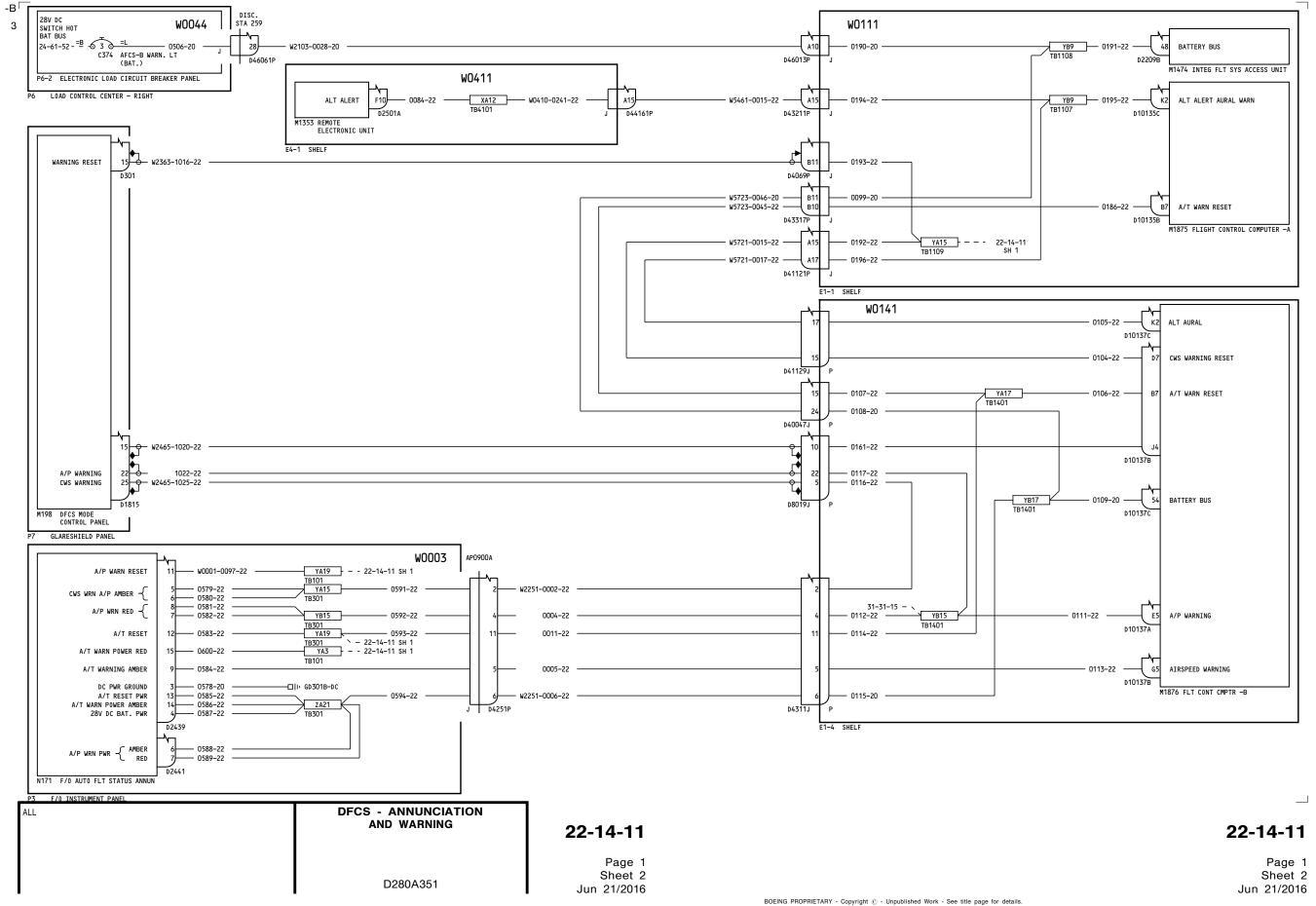
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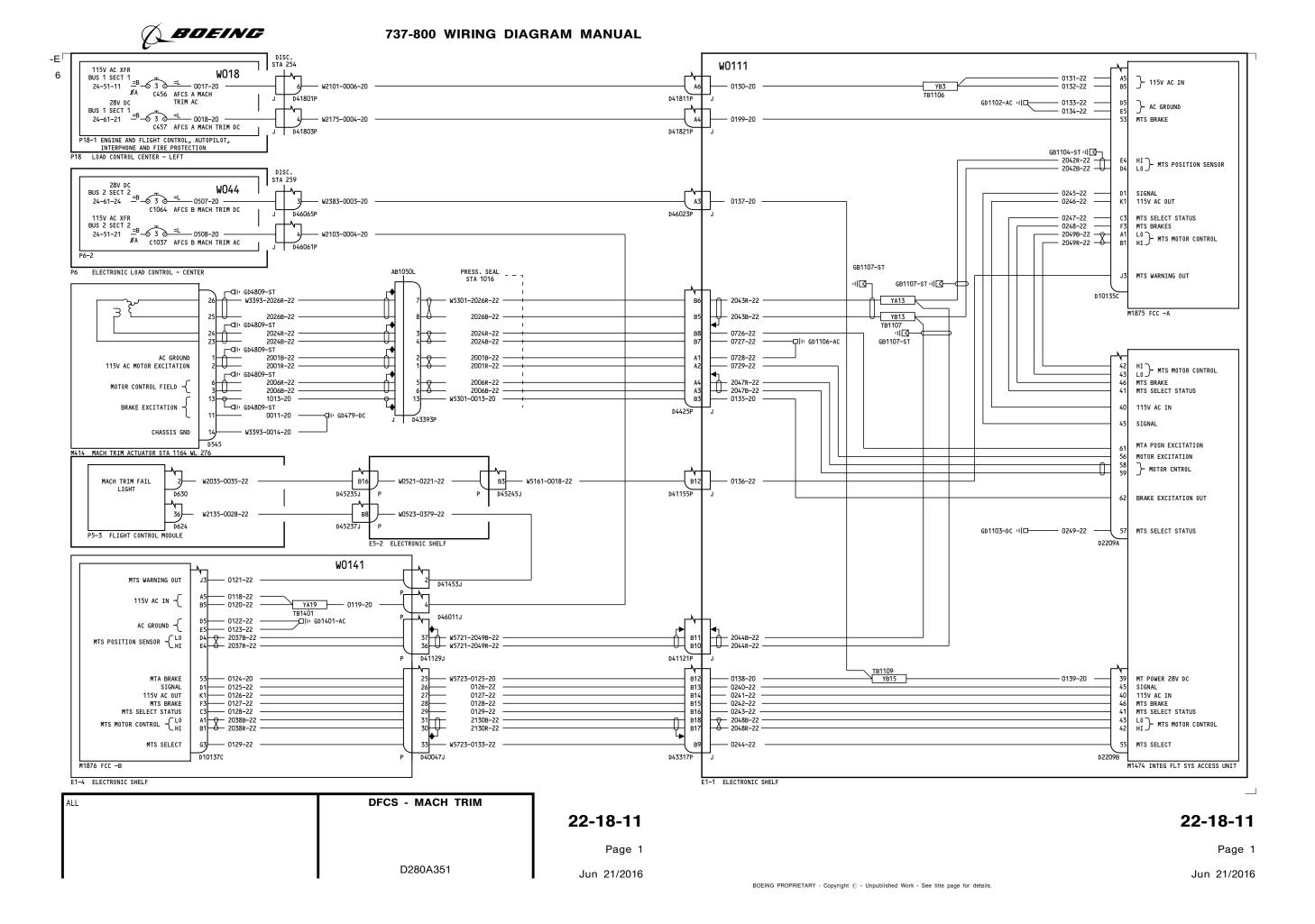
Page 2 Sheet 2 Jun 21/2016



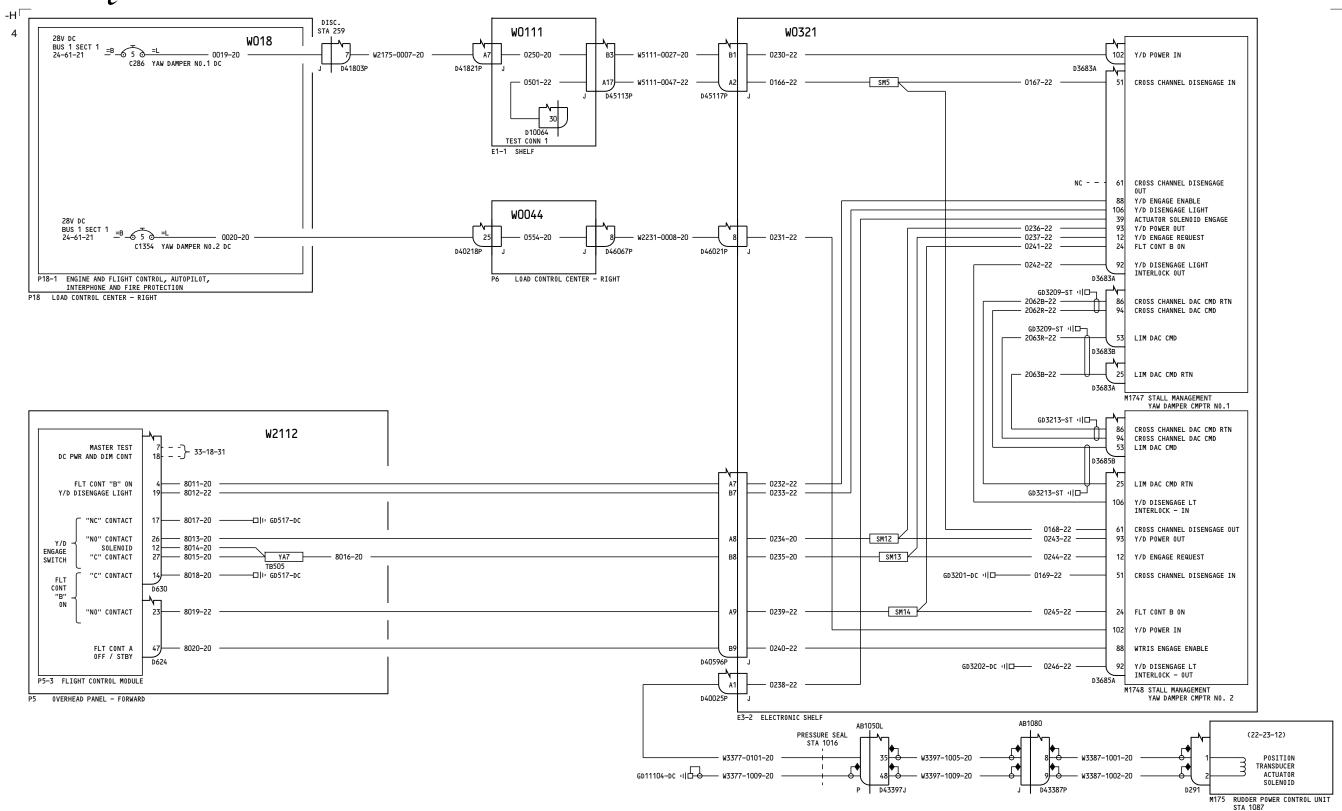
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#### 737-800 WIRING DIAGRAM MANUAL









YT101-YT103

YAW DAMPER ENGAGE INTERLOCKS

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22-23-11

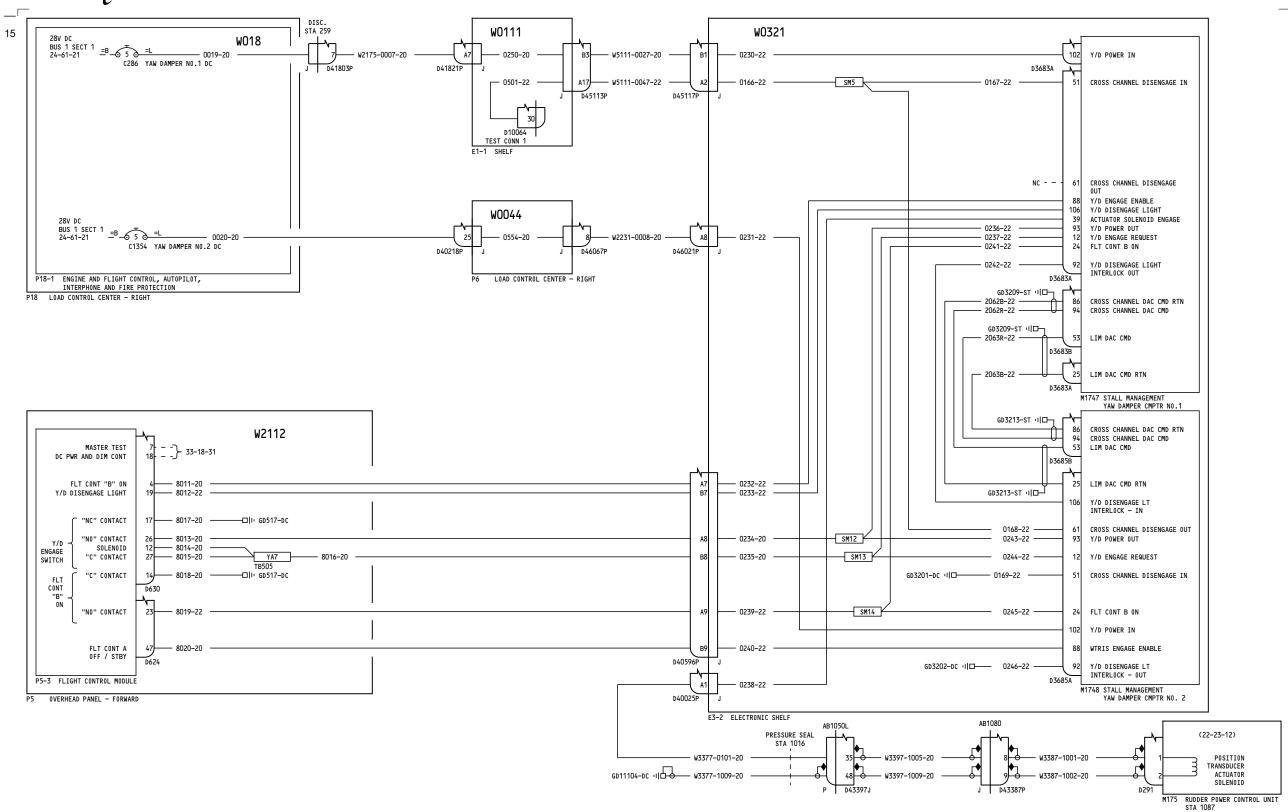
Page 1
Aug 15/2013

22-23-11

Page 1

Aug 15/2013





YT104-YT133

YAW DAMPER ENGAGE INTERLOCKS

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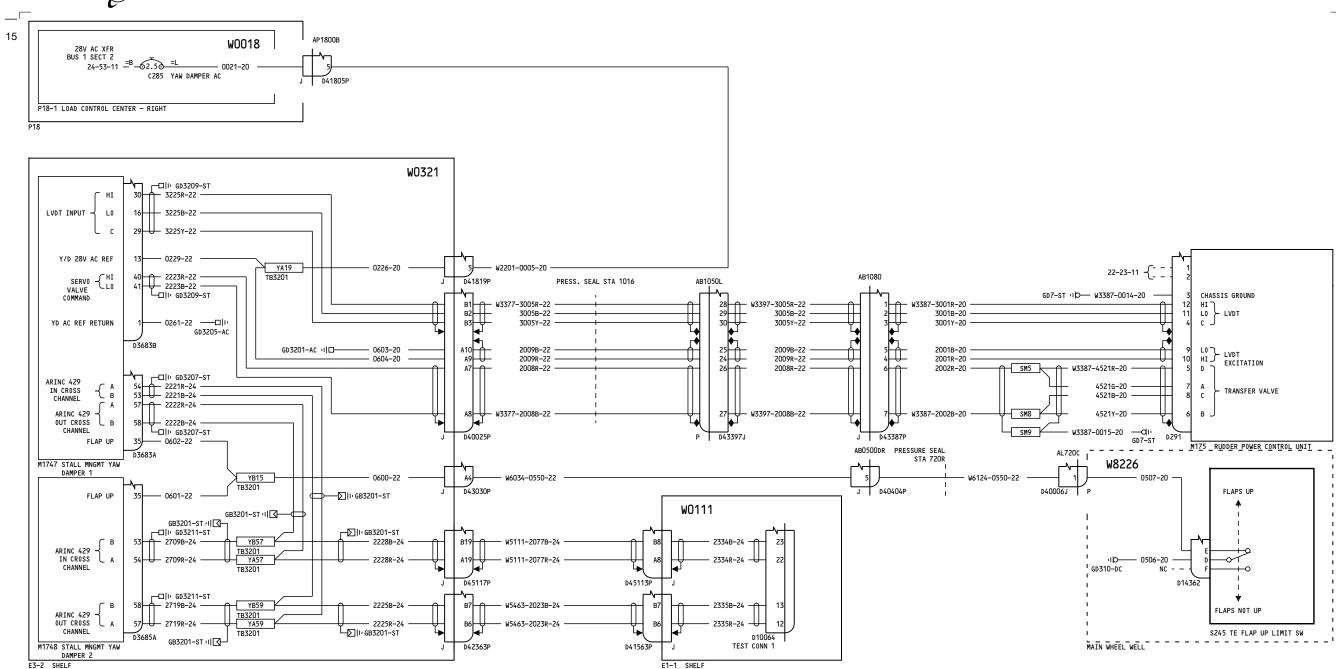
Page 2
Jun 21/2016

22-23-11

Jun 21/2016

Page 2





ALL YAW DAMPER RUDDER CONTROL

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22-23-12

Page 1

Jun 21/2016

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Page 1

Jun 21/2016

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AUTOTHROTTLE SYSTEM DIGITAL INPUTS FROM
SMYDC'S AND RA'S

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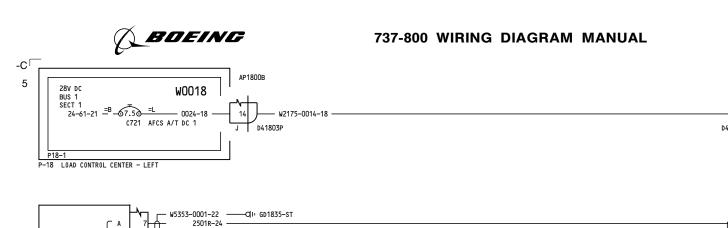
22-31-22

Page 1
Jun 21/2016

22-31-22

Page 1

Jun 21/2016



429 RCVR

R INSTL GND CASE GND

L INSTL GND

LOGIC POWER

MOTOR POWER

LOGIC PWR RETURN

MOTOR POWER RETURN

429 XMTR

M1836 AUTOTHROTTLE SERVO MOTOR 1

2501B-24

0003-22 ---

2002B-24

2001R-22 -

2001B-22

W5353-2504B-24

0002-22 —— dı GD1836-DC

0004-22 —— Cli GD1835-ST 2504R-24

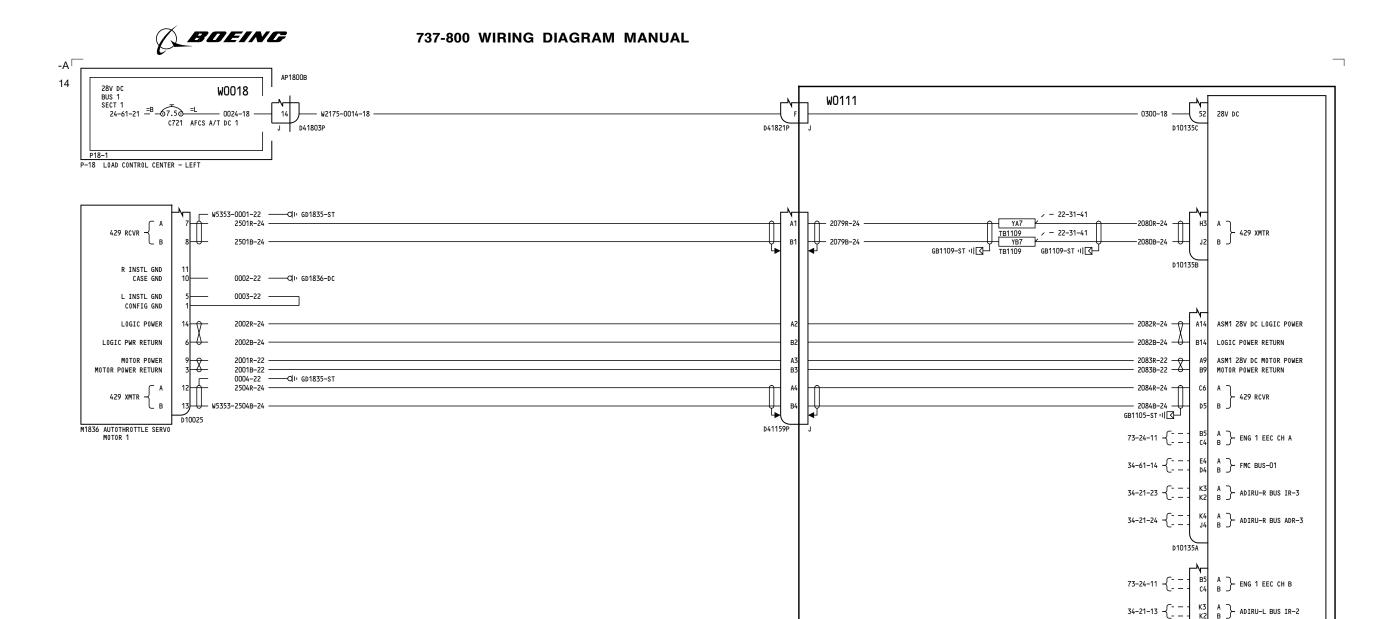
W0111 52 28V DC D41821P D10135C TB1109 YB7 GB1109-ST II TB1109 z - 22-31-41 D10135B ASM1 28V DC LOGIC POWER LOGIC POWER RETURN - 2083R-22 -- 2083B-22 -ASM1 28V DC MOTOR POWER GB1105−ST :II D41159P 73-24-11 - { - -A B ENG 1 EEC CH A 34-61-14 -{ - -34-21-23 -{- -34-21-24 -{- -ADIRU-R BUS ADR-3 D10135A A } ENG 1 EEC CH B 34-21-13 -{- -- ADIRU-L BUS IR-2 34-21-14 -{\_\_\_ ADIRU-L BUS ADR-1 22-11-51 -{- -M1875 FLIGHT CONTROL COMPUTER-A E1-1 SHELF

YT101-YT117, YT126-YT131 **AUTOTHROTTLE SYSTEM -SERVO MOTOR 1** D280A351

22-31-31

Page 1 Mar 14/2016 22-31-31

Page 1 Mar 14/2016



YT118-YT120, YT132-YT133

AUTOTHROTTLE SYSTEM SERVO MOTOR 1

D280A351

22-31-31

Jun 21/2016

Page 2

22-31-31

- ADIRU-L BUS ADR-1

M1875 FLIGHT CONTROL COMPUTER-A

34-21-14 -{\_\_\_

22-11-51 -{- -

Page 2
Jun 21/2016

E1-1 SHELF

W0111 YA7 TB1109 YB7 TB1109 2501B-24 GB1109−ST יIIဩ— 0002-22 —— di GD1837-DC 0003-22 ----2085R-24 ASM2 28V DC LOGIC POWER LOGIC POWER RETURN 2002B-24 ASM2 28V DC MOTOR POWER MOTOR POWER RETURN 2001R-22 - W5397-2504B-24 - 2087B-24 GB1105-ST 11 D41161P M1837 AUTOTHROTTLE SERVO MOTOR 2 B4 A R/A-1 BUS-1 34-33-11 -{- \_ A }- FCC X-CH #2 D10135B 73-24-21 -{- -} ENG 2 EEC CH A D10135A M1875 FLIGHT CONTROL COMPUTER-A

E1-1 SHELF

AUTOTHROTTLE SYSTEM SERVO MOTOR 2

D280A351

22-31-41

Page 1 Mar 14/2016 22-31-41

Page 1 Mar 14/2016

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-A -

W0111 YA7 TB1109 YB7 TB1109 2501B-24 GB1109−ST יIIဩ— 0002-22 —— di GD1837-DC 0003-22 ----2002R-24 2085R-24 ASM2 28V DC LOGIC POWER LOGIC POWER RETURN 2002B-24 ASM2 28V DC MOTOR POWER MOTOR POWER RETURN 2001R-22 W5397-2504B-24 - 2087B-24 GB1105-ST 11 D41161P M1837 AUTOTHROTTLE SERVO MOTOR 2 B4 A B R/A-1 BUS-1 34-33-11 -{- \_ A }- FCC X-CH #2 D10135B F ENG 2 EEC CH A D10135A M1875 FLIGHT CONTROL COMPUTER-A

E1-1 SHELF

AUTOTHROTTLE SYSTEM - SERVO MOTOR 2

D280A351

22-31-41

Jun 21/2016

Page 2

22-31-41

Page 2
Jun 21/2016

-B □ 6

> W0111 W0049 - 0005-22 -A/T ENGAGE HOLD ON 0108-22 D4075P D10135A 5369-0107-22 ———||I: GD800-DC S113 AUTOTHROTTLE
> DISENGAGE SWITCH ₩, BACC45FT12C12P LOC: THROTTLE LEVER-1 CONTROL STAND W0141 W0051 - 0005-22 W5457-0105-22 W5463-0014-22 - 0343-22 SP3101 0108-22 A/T CUTOFF/RESET 0106-22 W5457-0001-22 0203-22 W5463-0008-22 - 0335-22 D5971J GD1106-DC ·I|□--- 0777-22 -SIGNAL GND S114 AUTOTHROTTLE DISENGAGE SWITCH ⊕ J D8315P BACC45FT12B12P LOC: THROTTLE LEVER-2 CONTROL STAND W0003 AP0900A - - 22-14-11 / — 31–31–15 YB3 - 0336-22 -W5463-0009-22 **—** 0338-22 E9 F/O DISENGAGE WARN. **—** 0601–22 J D4251P D4311J D41463J D41163P \_ \_}\_ 22-14-11 22-14-11 SH 2 - - B7 WARNING LT RESET D10135B - - 22-31-11 22-14-11 E1-4 SHELF N171 F/0 FMS WARN ANNUNCIATOR P3 FIRST OFFICERS INSTRUMENT PANEL W0001 AP0900A - - <del>- 22-14-11</del> - - 22-31-11 YB13 TB1109 CAPT DISENGAGE WARN 0341-22 22-14-11 J D4221P D40019P N170 CAPT FMS WARN ANNUNCIATOR CAPAINS INSTRUMENT PANEL - - 33-11-31 LIGHT D299 - dı GD981-DC - dı GD977-ST 10 W2363-1015-22 -OFF 13 w2363-1009-22 K7 A/T ENGAGE LOGIC 0344-22 — 7 W2363-1008-22 0345-22 — A/T ENGAGE 28V DC A/T ENGAGE D4069P D10135A SOLENOID SWITCH D301 M1875 FCC-A - 33-11-31 E1-1 SHELF M198 DFCS MODE CONTROL PANEL
> P7 GLARESHIELD PANEL **AUTOTHROTTLE SYSTEM -ENGAGE/DISENGAGE** 22-31-51 22-31-51

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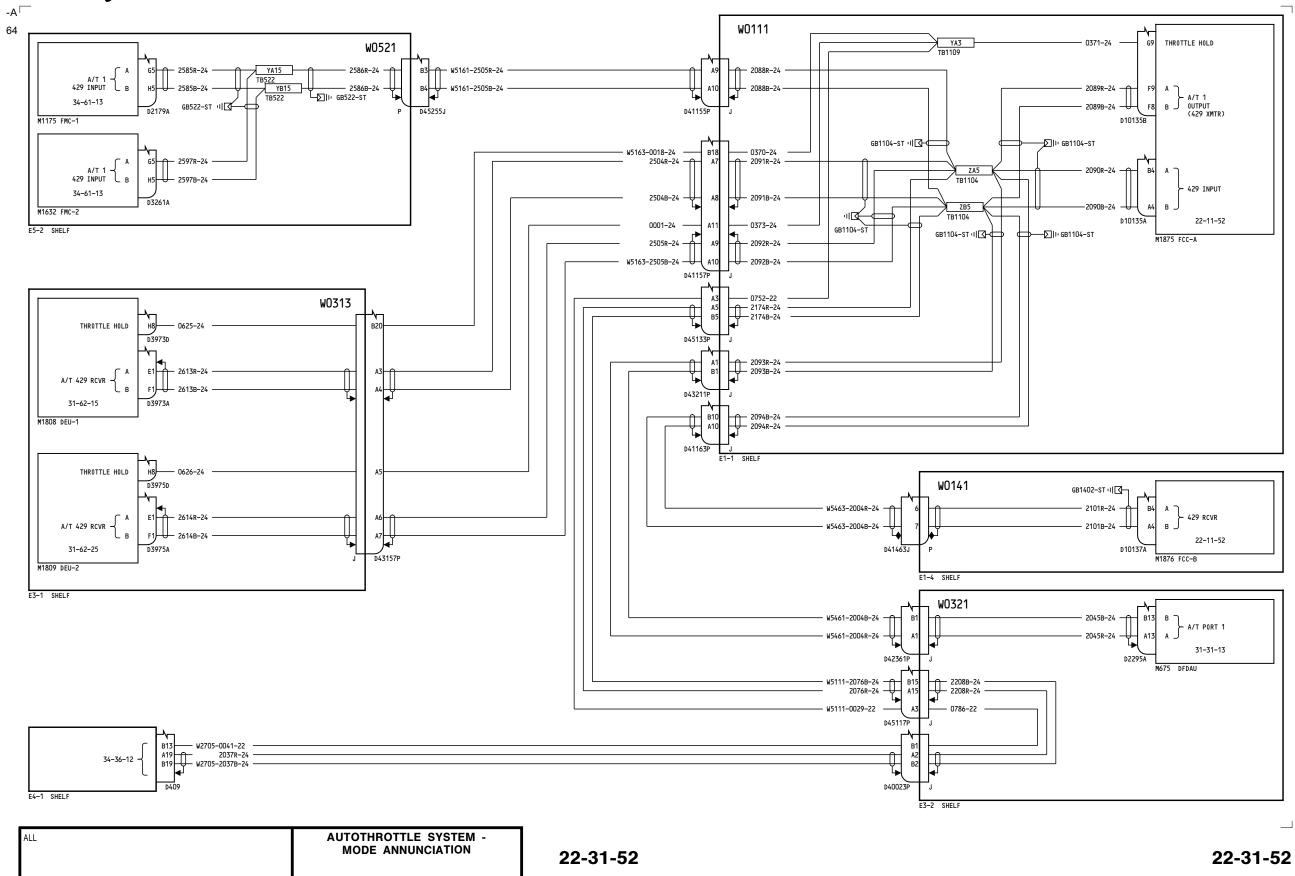
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Page 1

Jun 21/2016



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Jun 21/2016

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Jun 21/2016