

CHAPTER

49

AIRBORNE AUXILIARY POWER



CHAPTER 49
AIRBORNE AUXILIARY POWER

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
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49-CONTENTS		1		May 11/2009			105		Jan 14/2008
R		2		Aug 10/2009	49-52-01		101		Feb 09/2009
49-ALPHABETICAL INDEX		1		Jan 18/2007	49-52-31		101		Feb 09/2009
		2		BLANK			102		Jan 14/2008
49-00-00					49-61-01		101		Feb 09/2009
		101		Feb 09/2009					
49-31-00					49-62-01		101		Feb 09/2009
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		101		Feb 09/2009	R		101.1		Aug 10/2009
49-41-01					R		102		Aug 10/2009
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		103		Jan 18/2006					

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

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49-94-00		101		Feb 09/2009					
49-94-01		101		Feb 09/2009					
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		102		May 11/2009					

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

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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>AIRBORNE AUXILIARY POWER</u>						
APU GENERAL ARRANGEMENT	49-00-00		101		Feb 09/2009	ALL
<u>APU FUEL SYSTEM</u>						
APU FUEL DISTRIBUTION	49-31-00		101		Feb 09/2009	ALL
<u>APU IGNITION AND START SYSTEM</u>						
APU START SYSTEM	49-41-00		101		Feb 09/2009	ALL
APU START SYSTEM	49-41-01		101		Feb 09/2009	ALL
APU SCU/SPU START SYSTEM LOGIC	49-41-02		101	1	May 11/2009	ALL
				2	Feb 09/2009	ALL
				3	Feb 09/2009	ALL
APU IGNITION AND STARTING SYSTEM	49-41-11		101		Jan 18/2006	YC001-YC004
			102		Jul 17/2007	YC005-YC026
			103		Jan 18/2006	YC028-YC030
			104		Feb 09/2009	YC031-YL430
			105		Jan 14/2008	YM643-YM670
<u>APU BLEED AIR SYSTEM</u>						
APU ECU BLEED AIR AND SURGE CONTROL LOGIC	49-52-01		101		Feb 09/2009	ALL
APU BLEED AIR AND SURGE CONTROL SYSTEM	49-52-31		101		Feb 09/2009	YC001-YL430
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<u>APU CONTROLS</u>						
APU CONTROL	49-61-01		101		Feb 09/2009	ALL
<u>APU CONTROL SYSTEM</u>						
APU CONTROL SYSTEM	49-62-01		101		Feb 09/2009	ALL

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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
APU CONTROL- AIRPLANE INTERFACE	49-62-11		101.1		Aug 10/2009	YC001-YC011
			102		Aug 10/2009	YC012-YC026
			103		Aug 10/2009	YC028-YL430
			104		Aug 10/2009	YM643-YM670
APU CONTROL- APU INTERFACE	49-62-12		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YL430
			103		Jan 14/2008	YM643-YM670
ECU PINOUT	49-62-51		101		Feb 09/2009	YC001-YL430
			102		Jan 14/2008	YM643-YM670
<u>EGT INDICATING SYSTEM</u>						
APU EGT INDICATION	49-71-01		101		Feb 09/2009	ALL
APU EGT SYSTEM	49-71-21		101		Feb 09/2009	YC001-YL430
			102		Jan 14/2008	YM643-YM670
<u>APU OIL INDICATING SYSTEM</u>						
APU OIL DISTRIBUTION	49-94-00		101		Feb 09/2009	ALL
APU OIL INDICATION	49-94-01		101		Feb 09/2009	ALL
APU OIL SYSTEM	49-94-21		101		May 11/2009	YC001-YL430
			102		May 11/2009	YM643-YM670

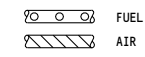
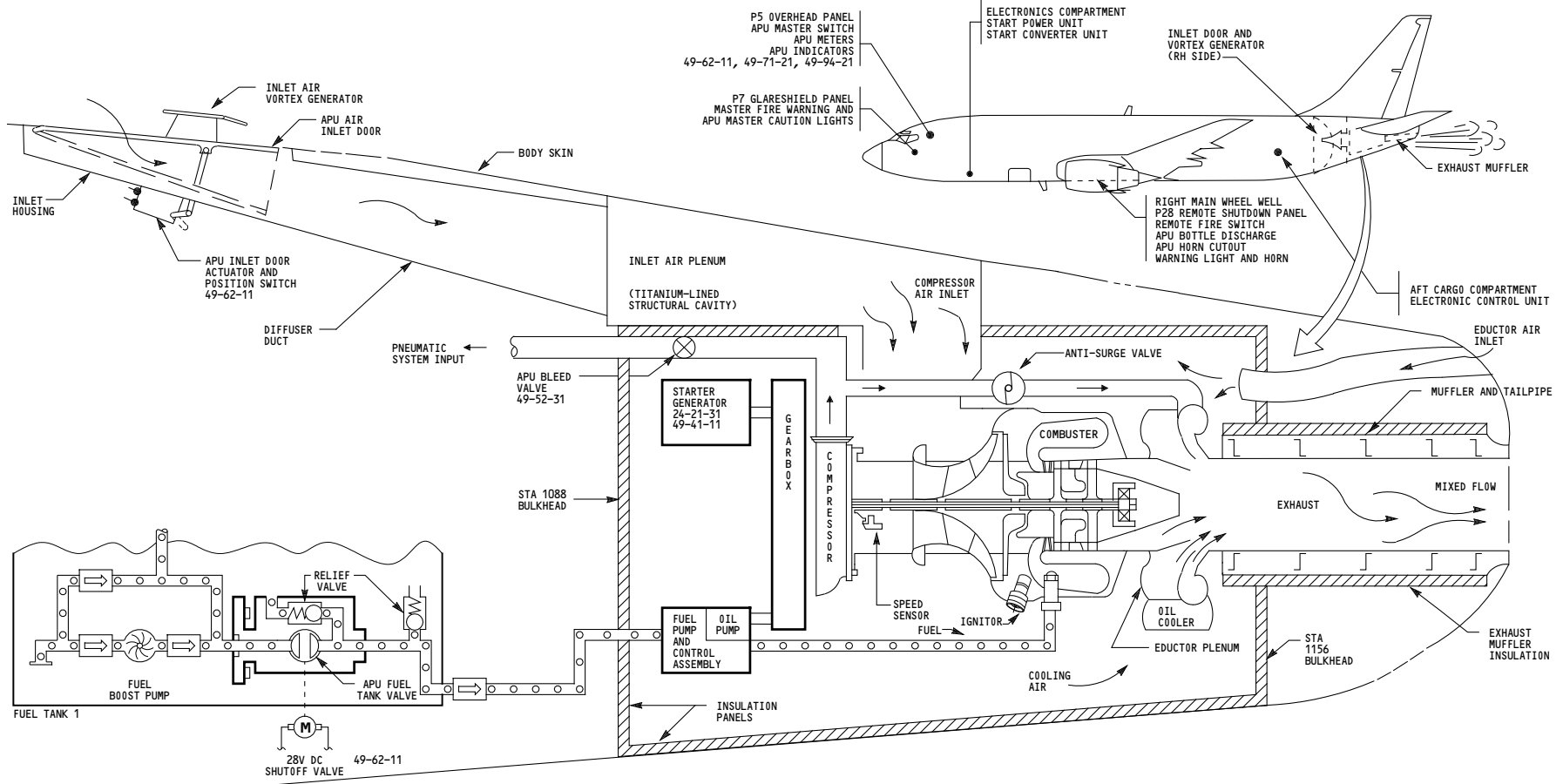
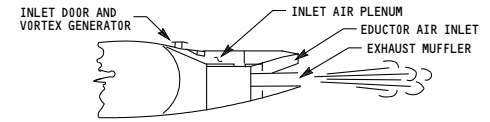
**CHAPTER 49
AIRBORNE AUXILIARY POWER**

CH-SC-SU	Title
49-52-31	APU BLEED AIR AND SURGE CONTROL SYSTEM
49-61-01	APU CONTROL
49-62-01	APU CONTROL SYSTEM
49-62-11	APU CONTROL- AIRPLANE INTERFACE
49-62-12	APU CONTROL- APU INTERFACE
49-52-01	APU ECU BLEED AIR AND SURGE CONTROL LOGIC
49-71-01	APU EGT INDICATION
49-71-21	APU EGT SYSTEM
49-31-00	APU FUEL DISTRIBUTION
49-00-00	APU GENERAL ARRANGEMENT
49-41-11	APU IGNITION AND STARTING SYSTEM
49-94-00	APU OIL DISTRIBUTION
49-94-01	APU OIL INDICATION
49-94-21	APU OIL SYSTEM
49-41-02	APU SCU/SPU START SYSTEM LOGIC
49-41-00	APU START SYSTEM
49-41-01	APU START SYSTEM
49-62-51	ECU PINOUT

CH-SC-SU	Title

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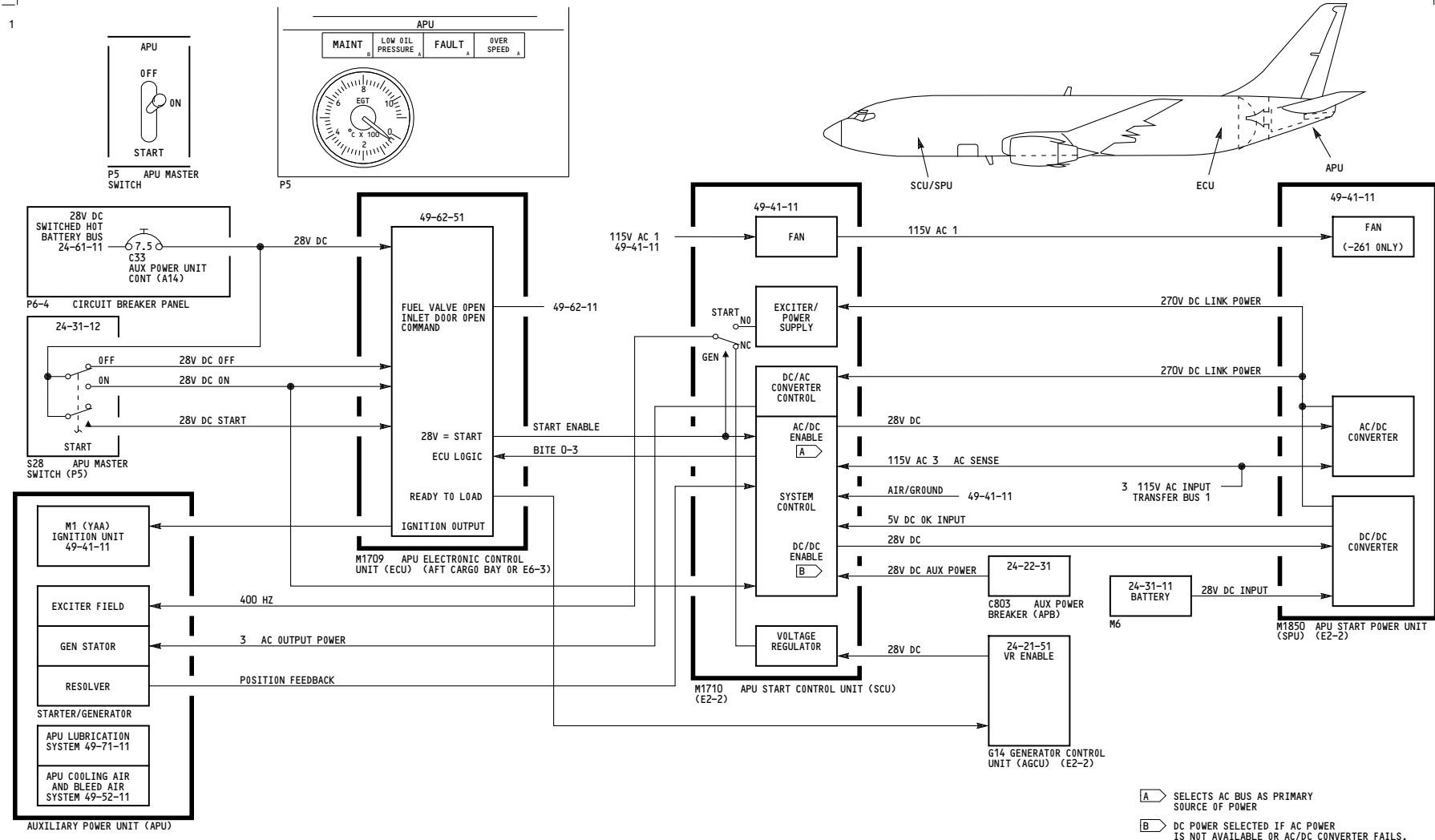
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ALL	APU GENERAL ARRANGEMENT
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49-00-00

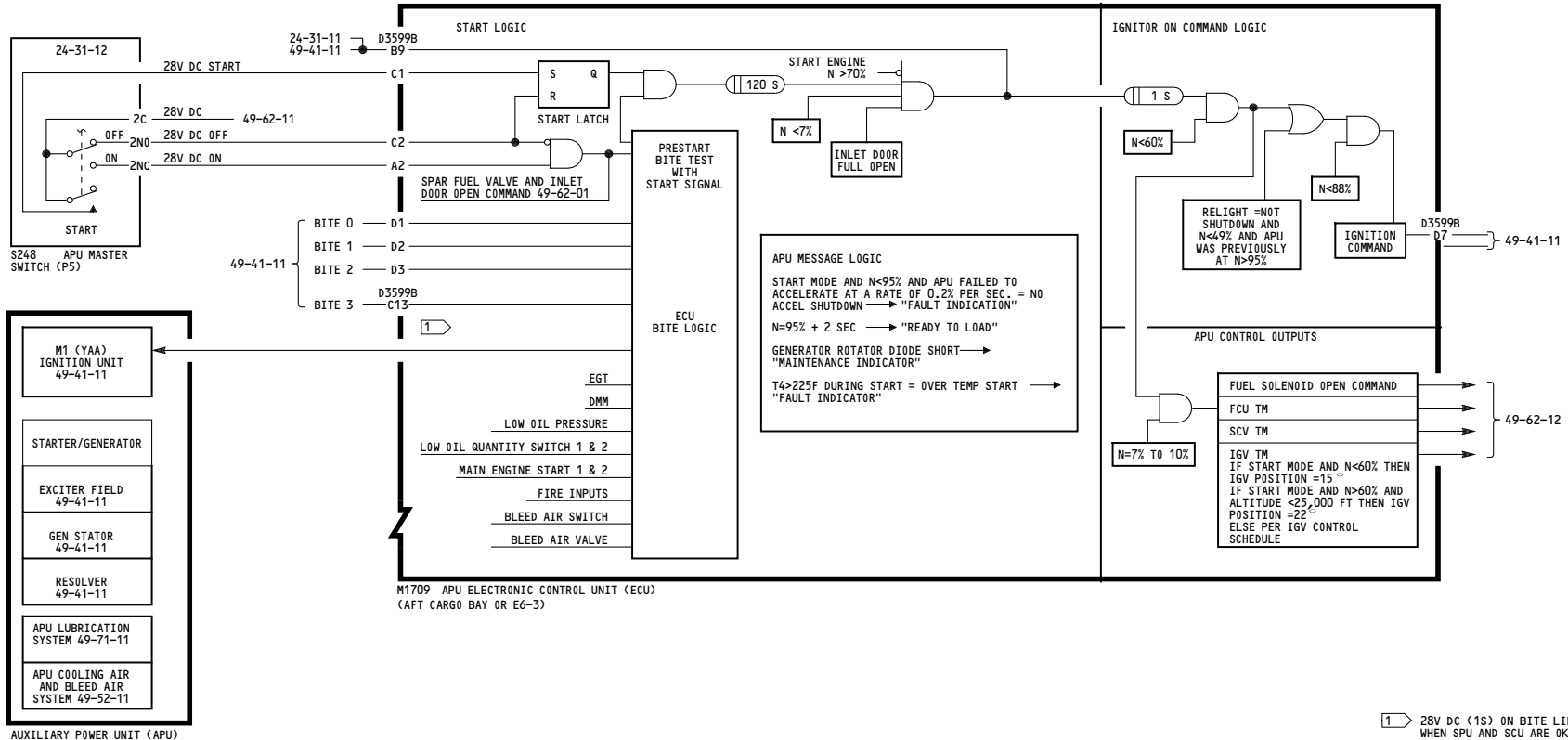
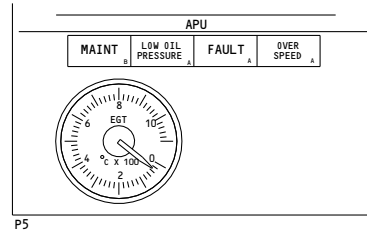
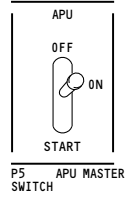
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ALL	APU START SYSTEM
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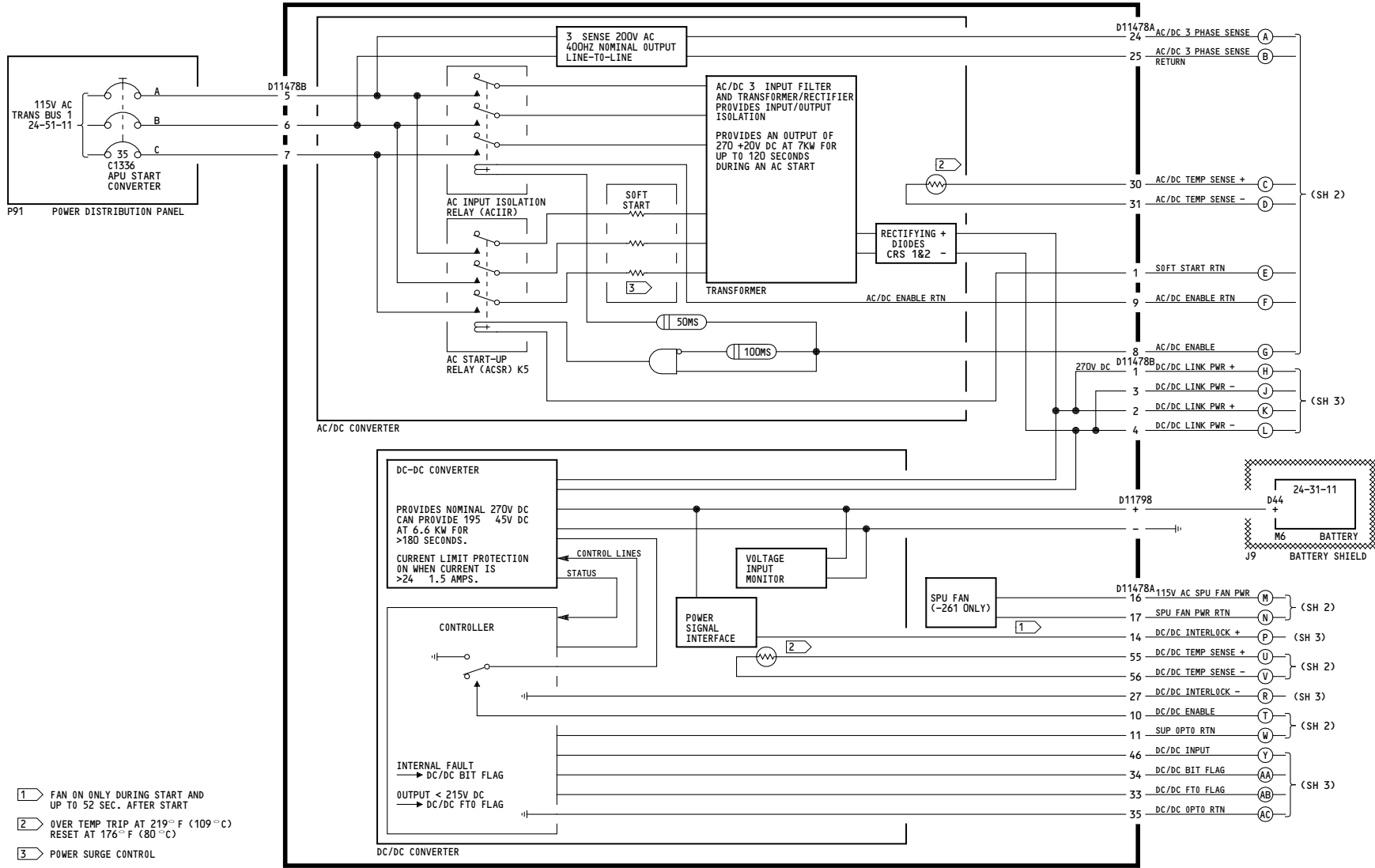
49-41-01

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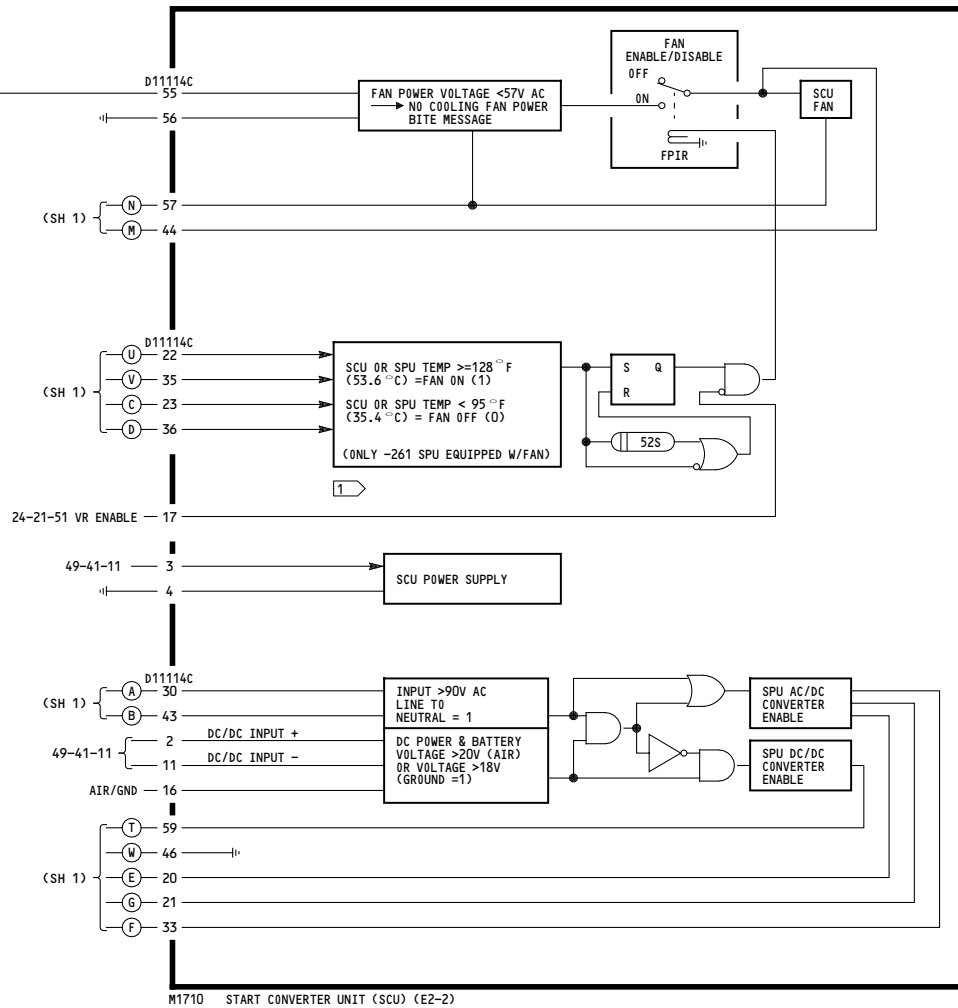
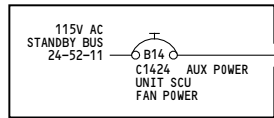
- 1 FAN ON ONLY DURING START AND UP TO 52 SEC. AFTER START
- 2 OVER TEMP TRIP AT 219°F (109°C) RESET AT 176°F (80°C)
- 3 POWER SURGE CONTROL

M1850 START POWER UNIT (SPU) (E2-2)

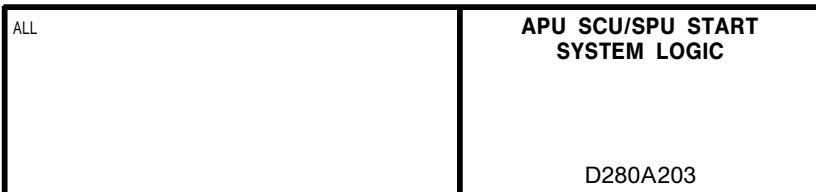
ALL	<p>APU SCU/SPU START SYSTEM LOGIC</p> <p>D280A203</p>
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49-41-02

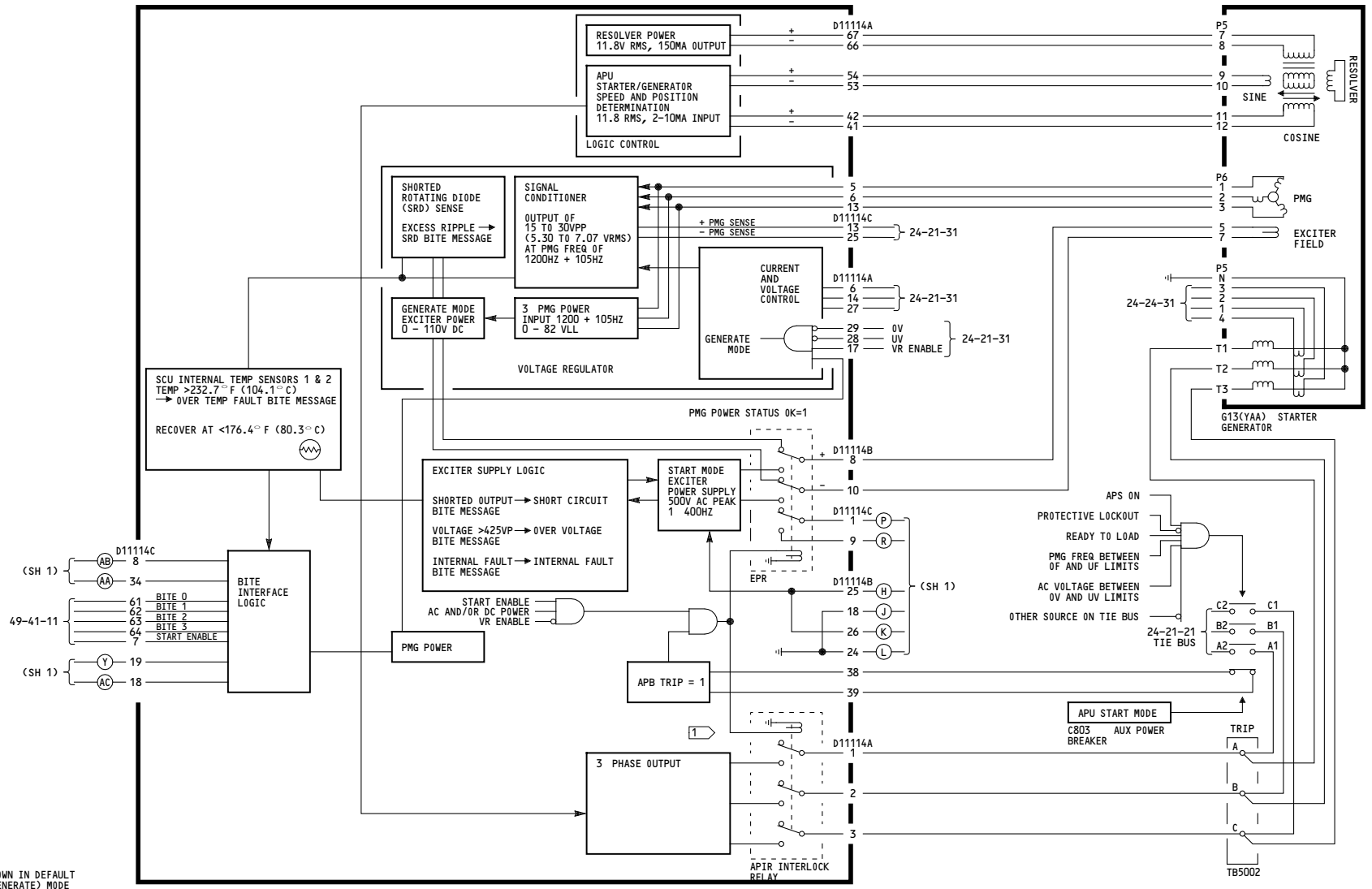
-D
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1 FAN(S) ON ONLY DURING START AND UP TO 52 SEC. AFTER START



-A
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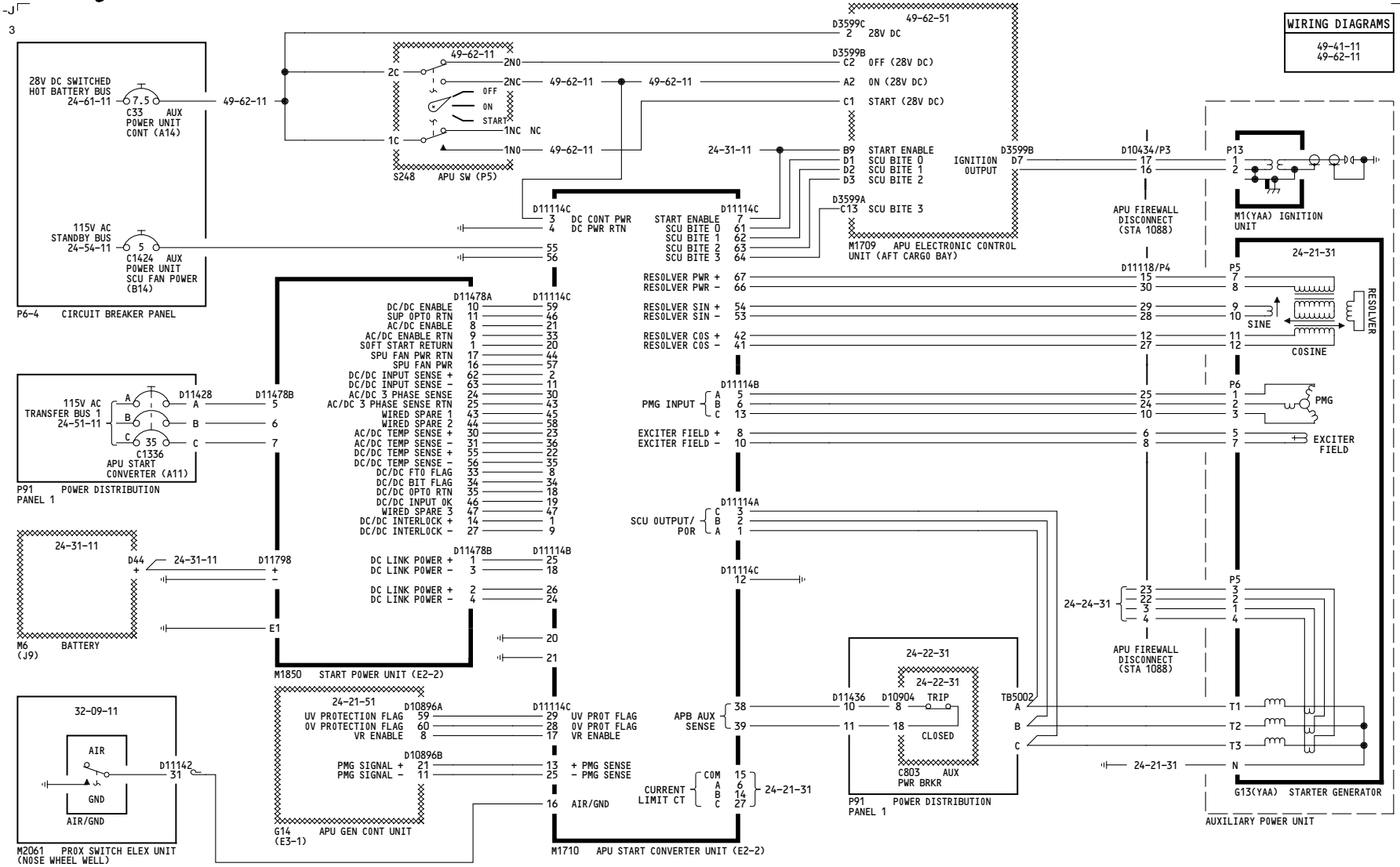
1 SHOWN IN DEFAULT (GENERATE) MODE

M1710 START CONVERTER UNIT (E2-2)

ALL	<p>APU SCU/SPU START SYSTEM LOGIC</p> <p>D280A203</p>
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49-41-02

WIRING DIAGRAMS
49-41-11
49-62-11



YCO05-YCO26

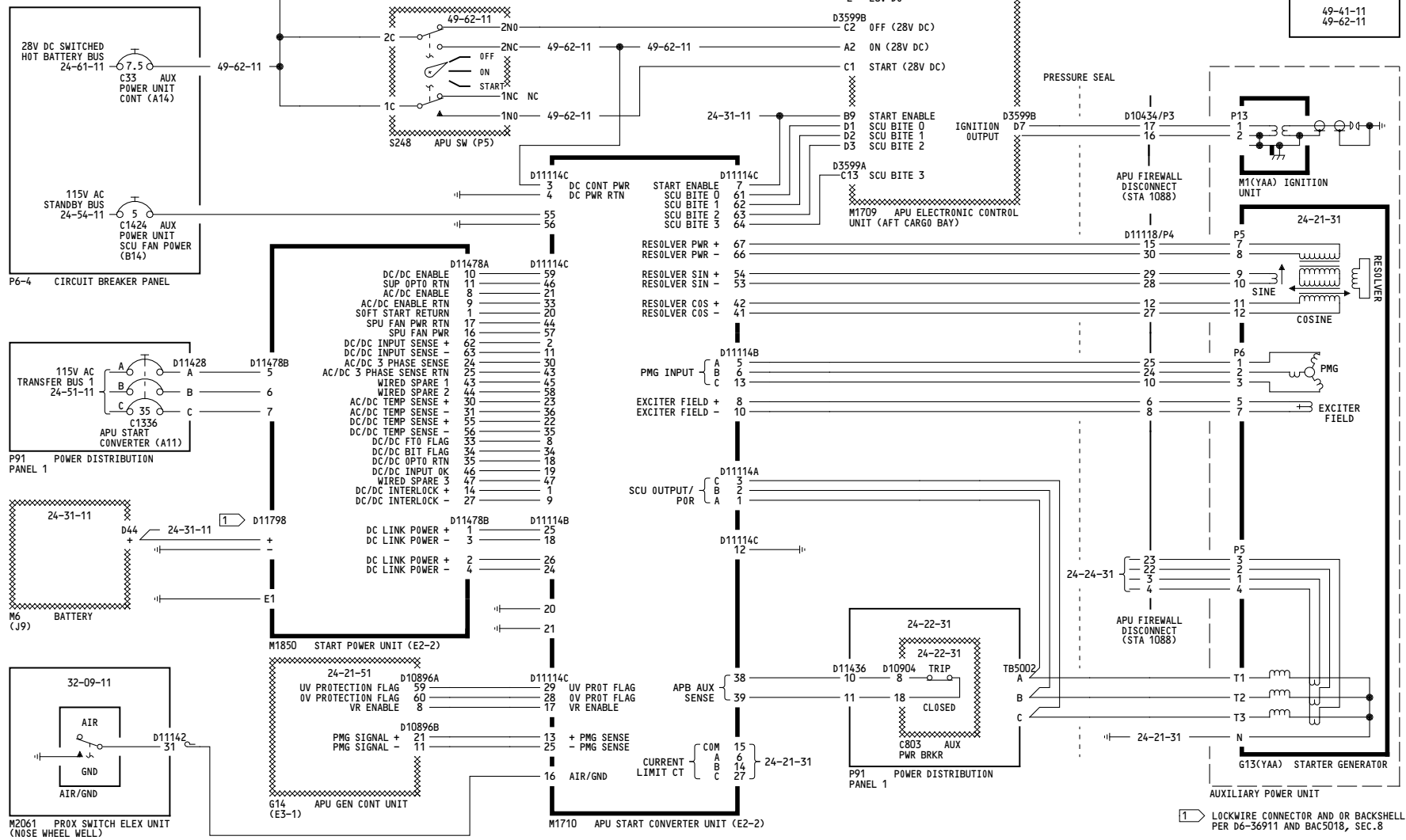
APU IGNITION AND STARTING SYSTEM

D280A203

49-41-11

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10

WIRING DIAGRAMS
49-41-11
49-62-11



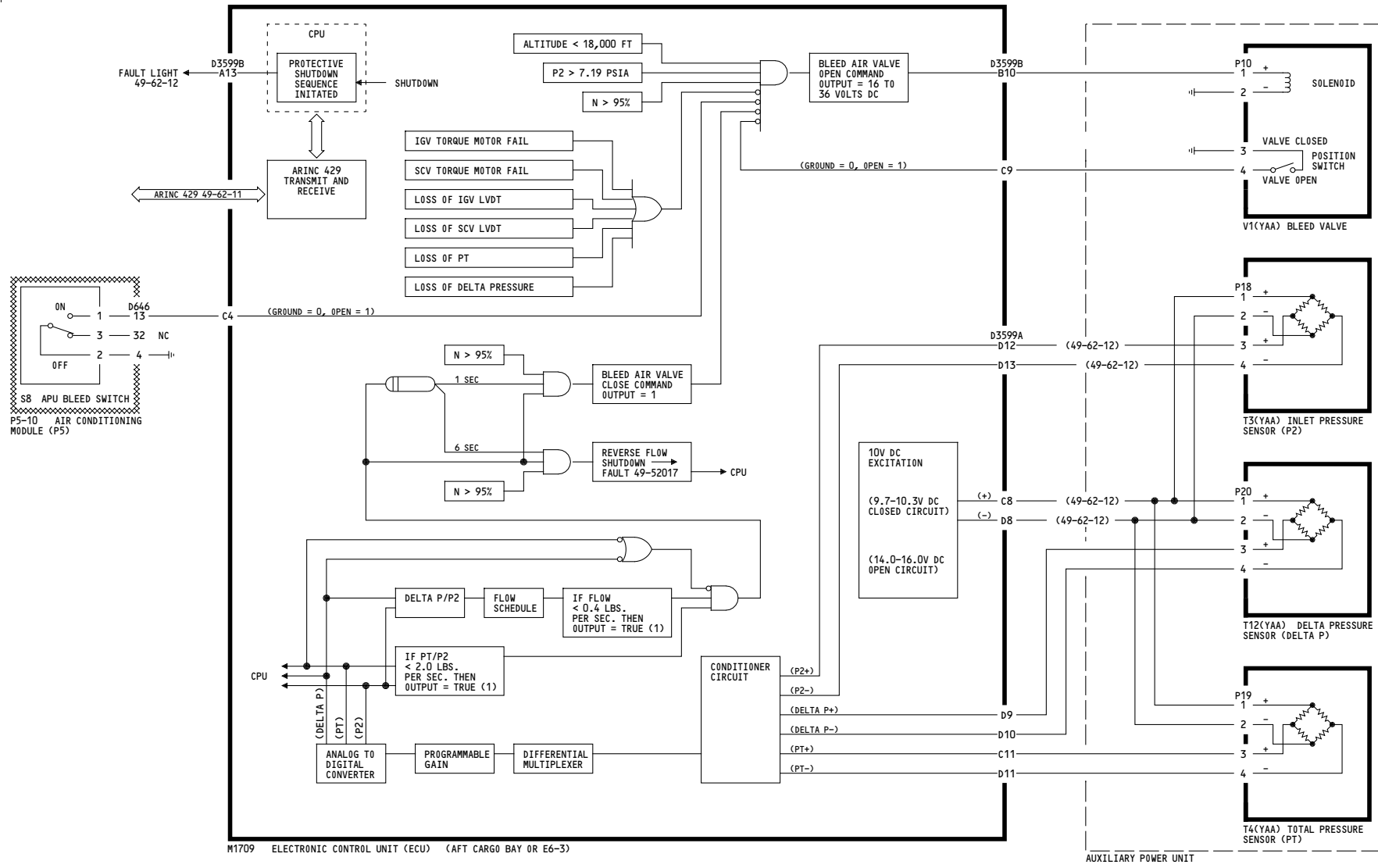
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APU IGNITION AND STARTING SYSTEM

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49-41-11

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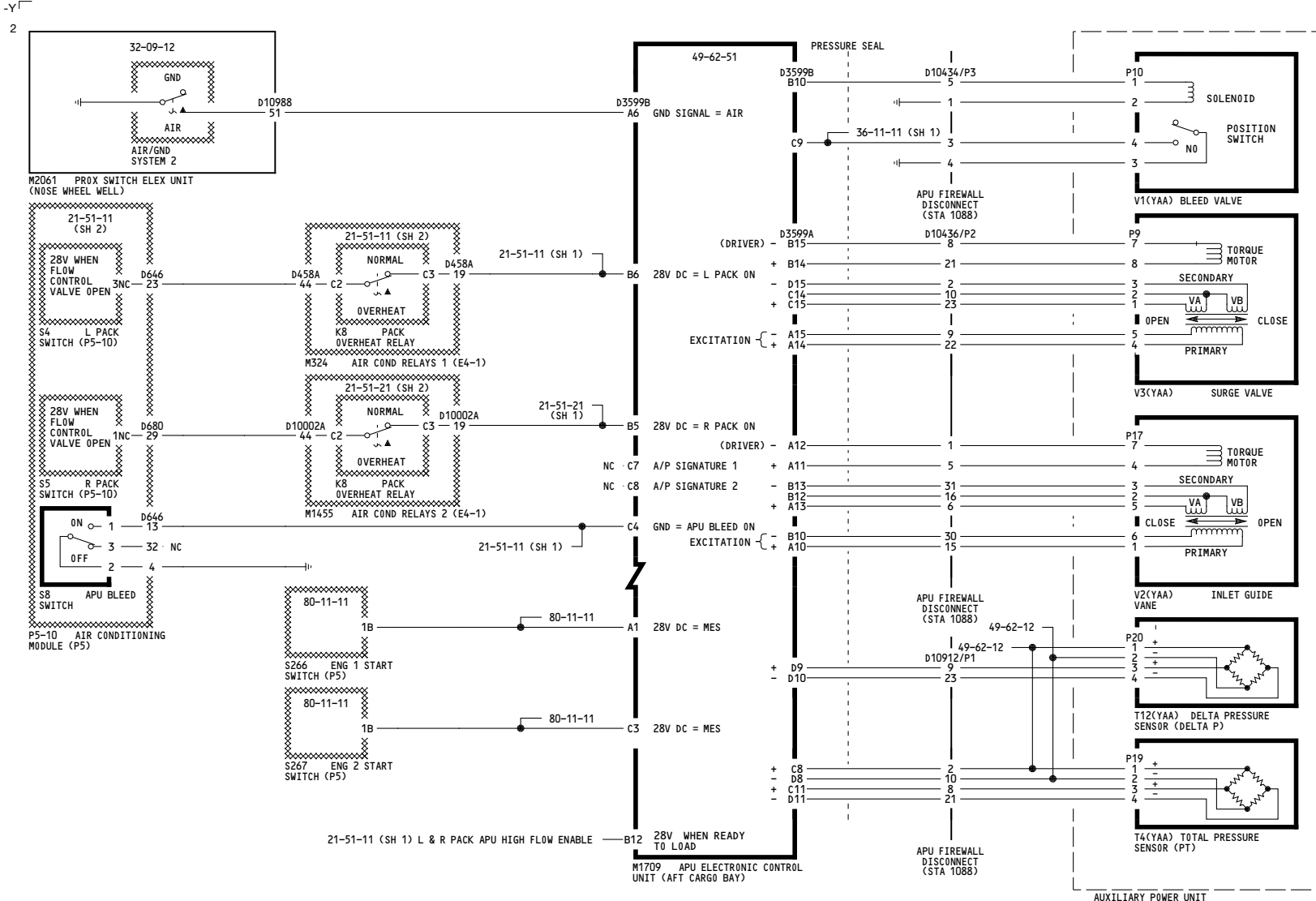


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49-52-01

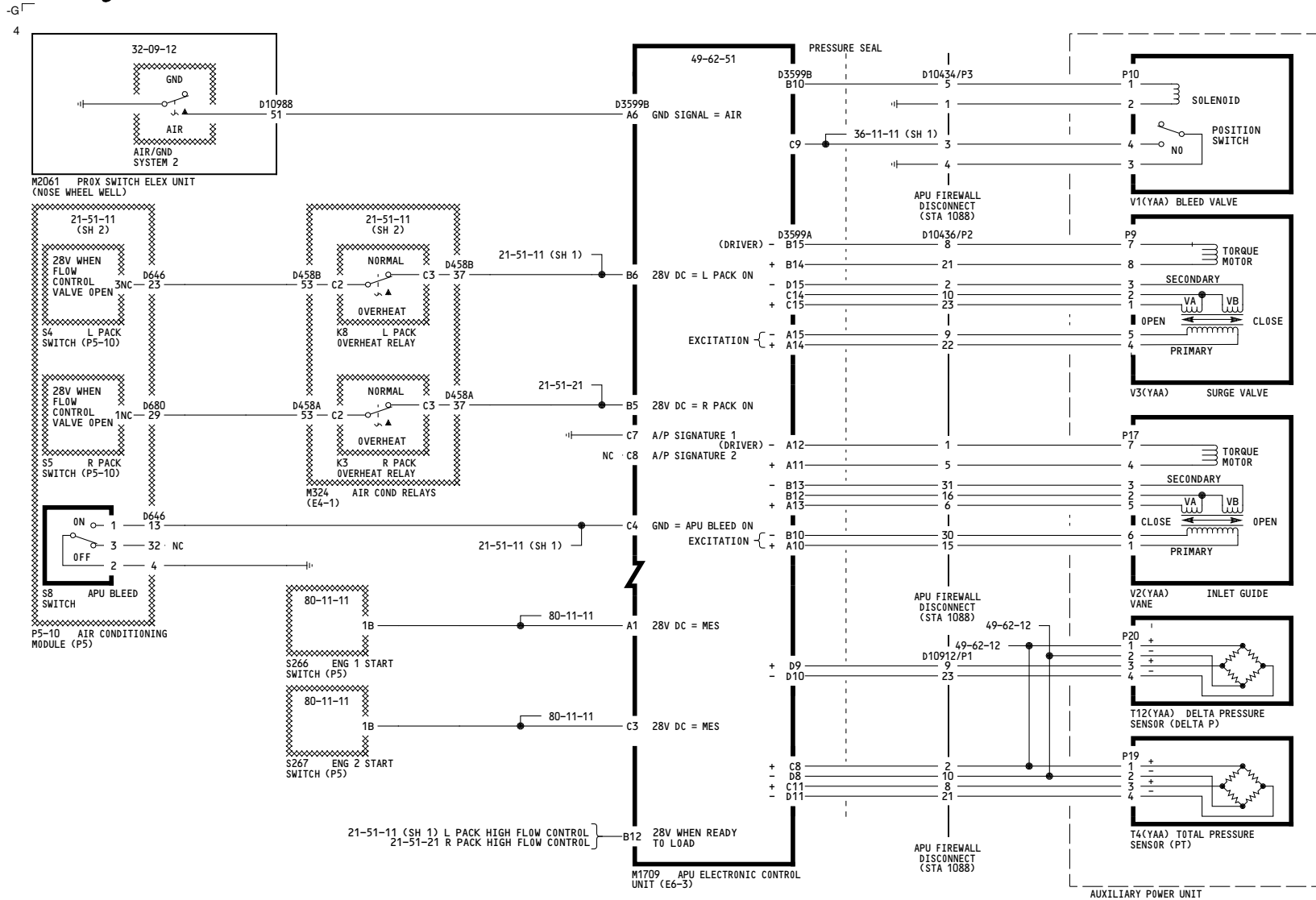
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<p>YC001-YL430</p>	<p>APU BLEED AIR AND SURGE CONTROL SYSTEM</p> <p>D280A203</p>
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49-52-31



YM643-YM670

APU BLEED AIR AND SURGE CONTROL SYSTEM

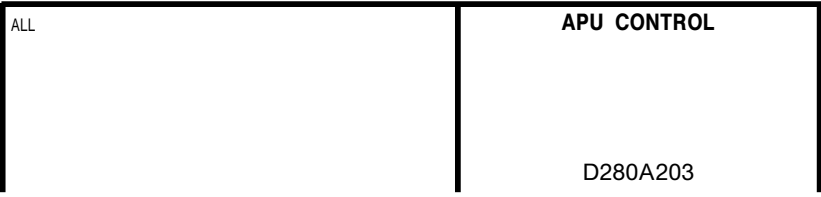
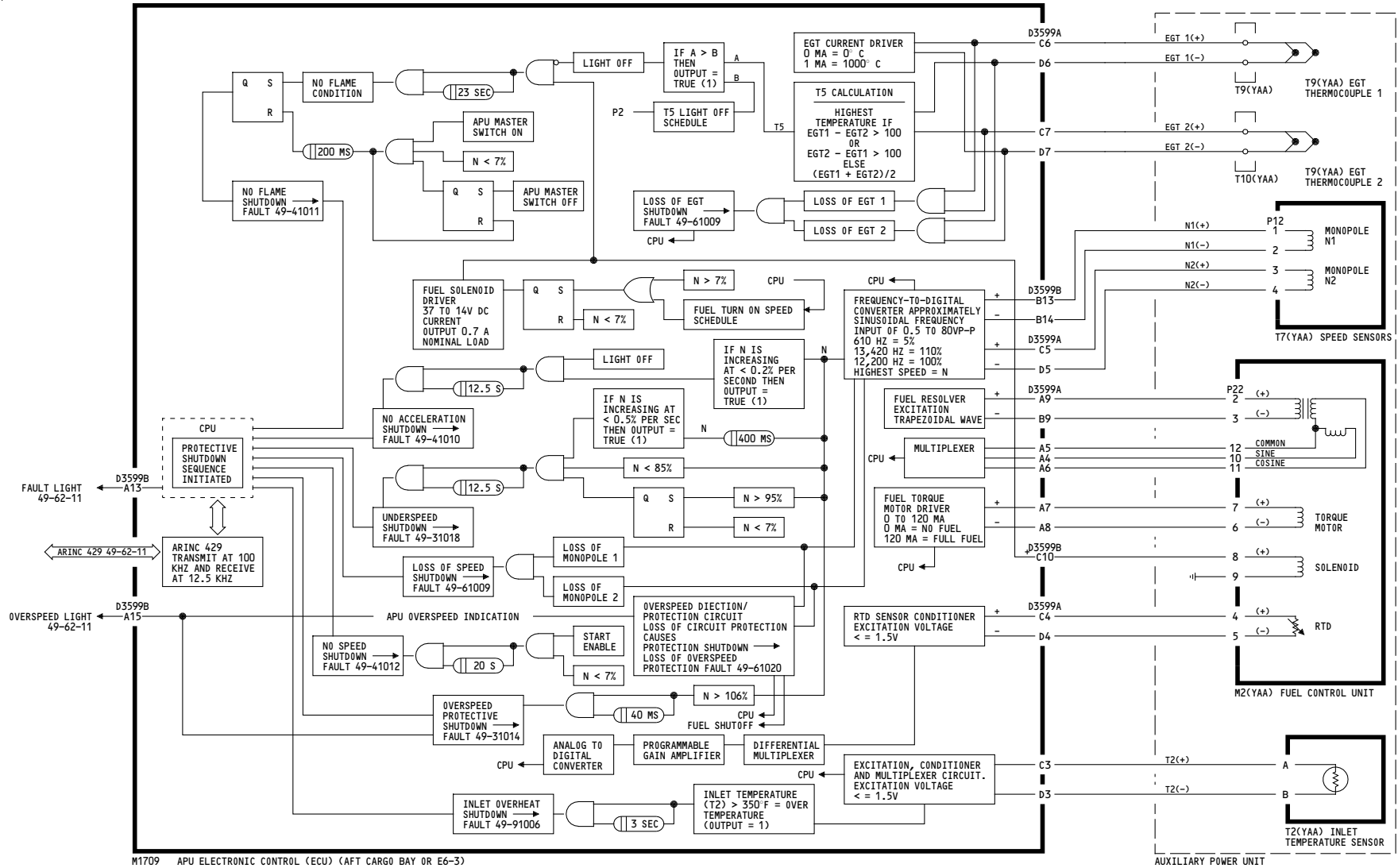
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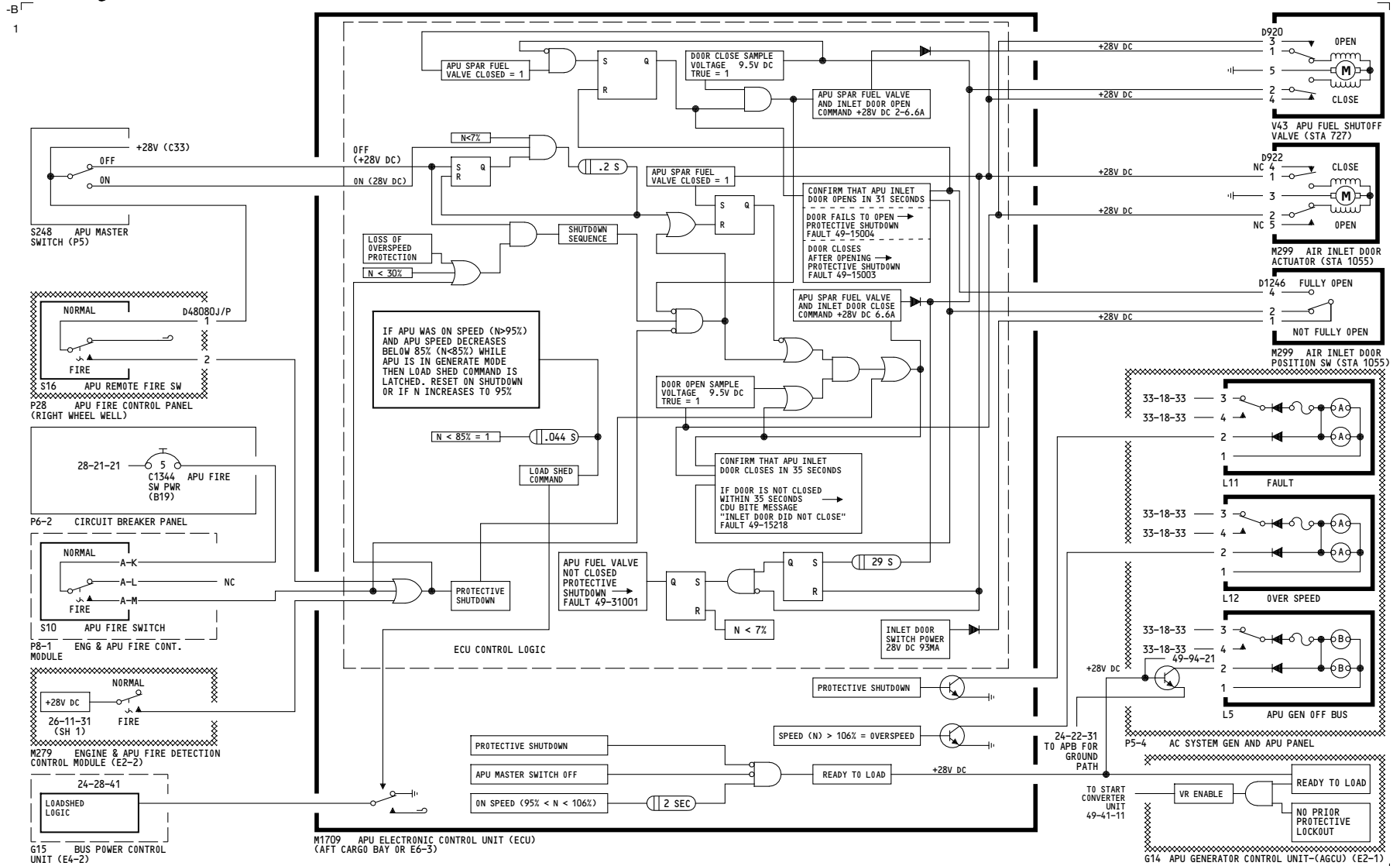
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49-61-01

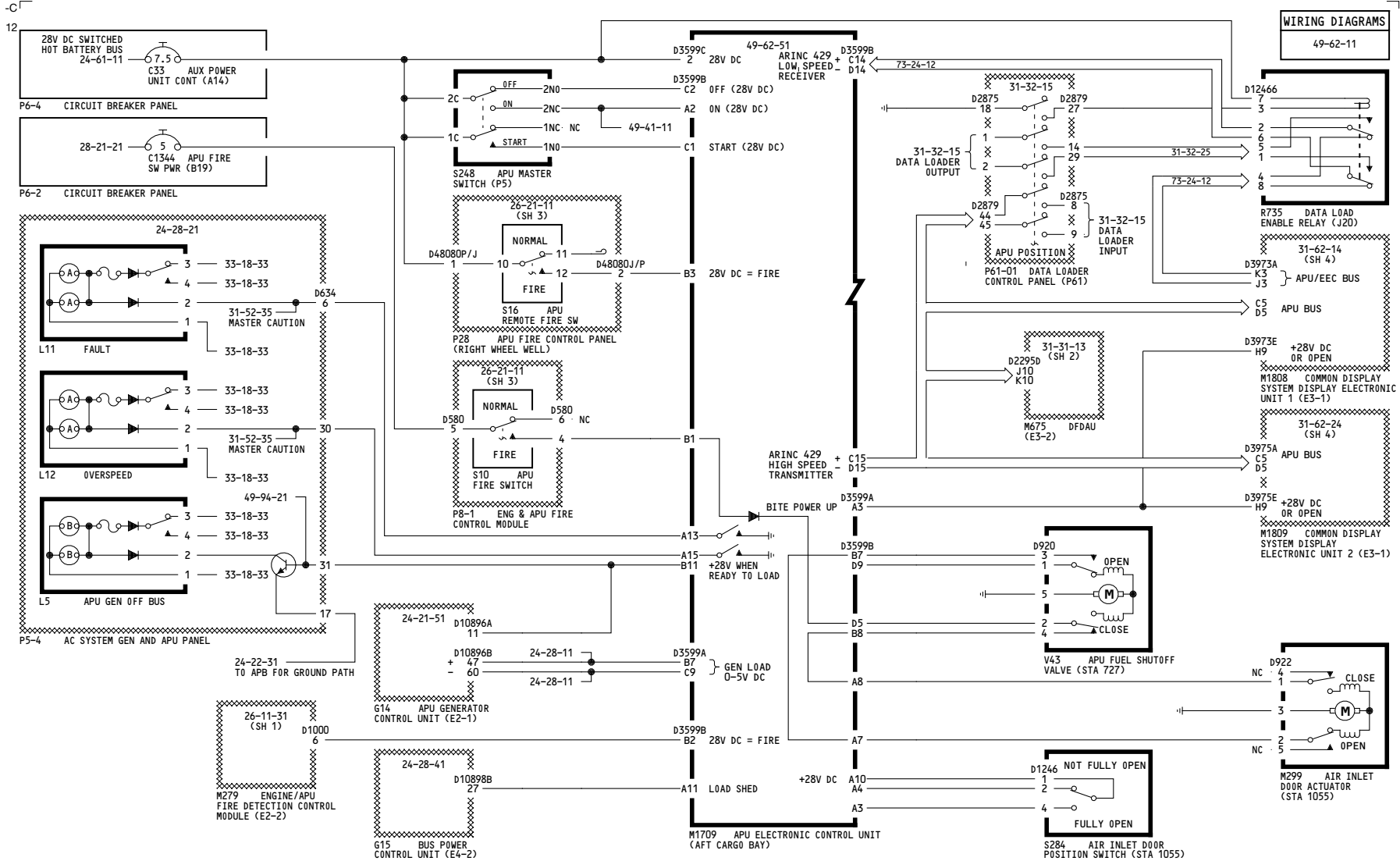
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ALL	APU CONTROL SYSTEM
D280A203	

49-62-01



YC001-YC011

APU CONTROL-AIRPLANE INTERFACE

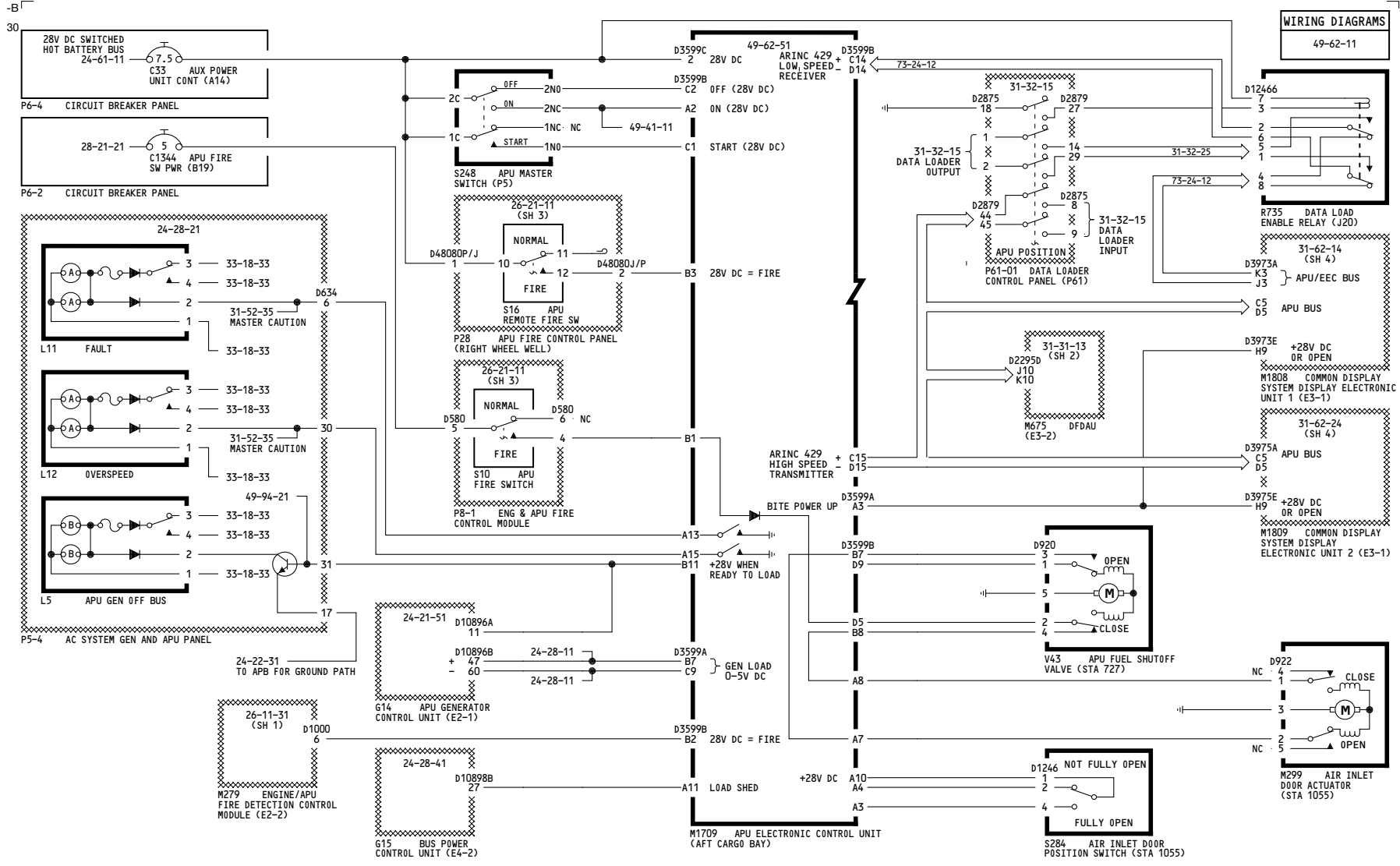
Incorporates
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 49-1119

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49-62-11

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WIRING DIAGRAMS
49-62-11

YC028-YL430

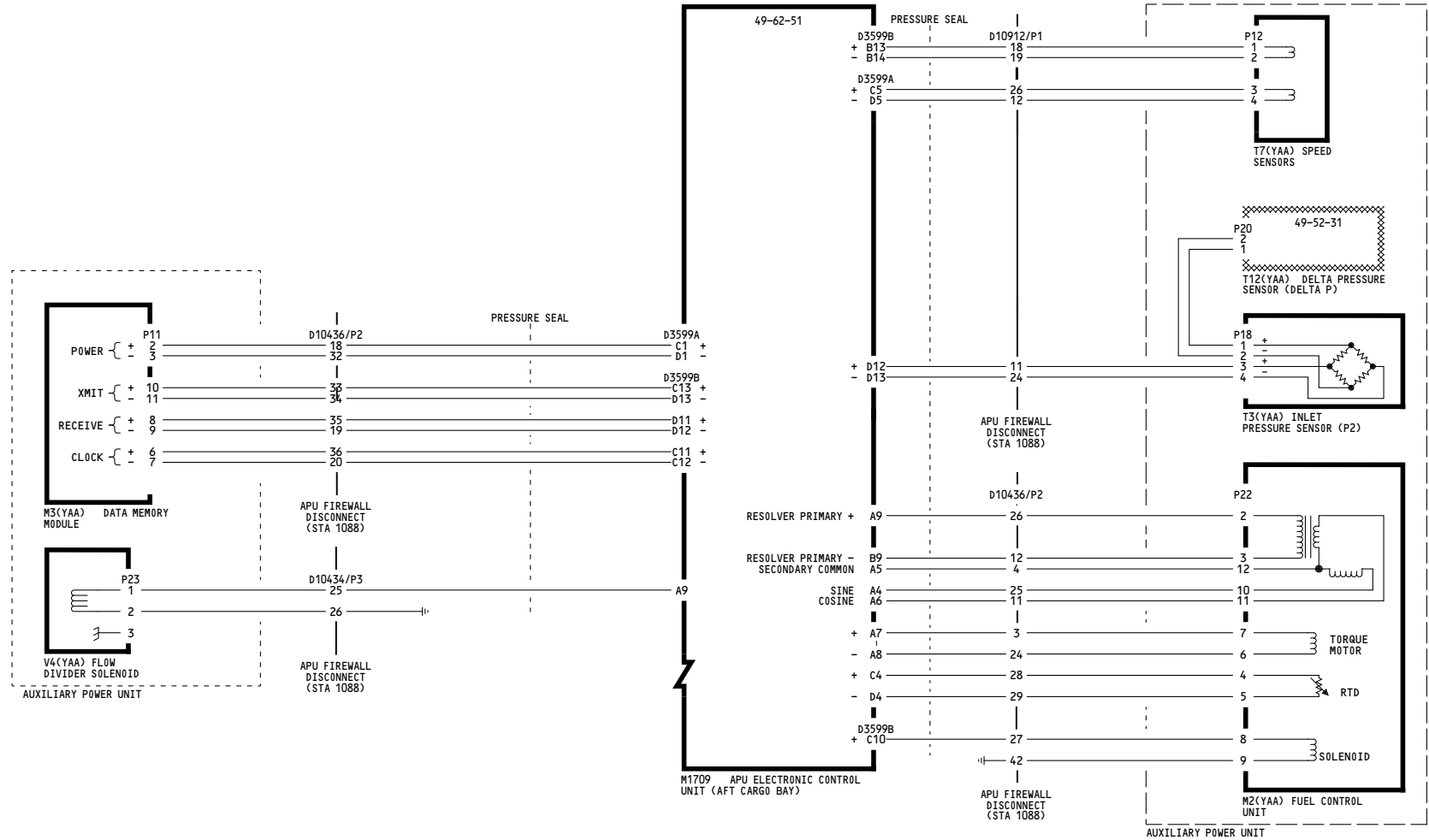
APU CONTROL-AIRPLANE INTERFACE

D280A203

49-62-11

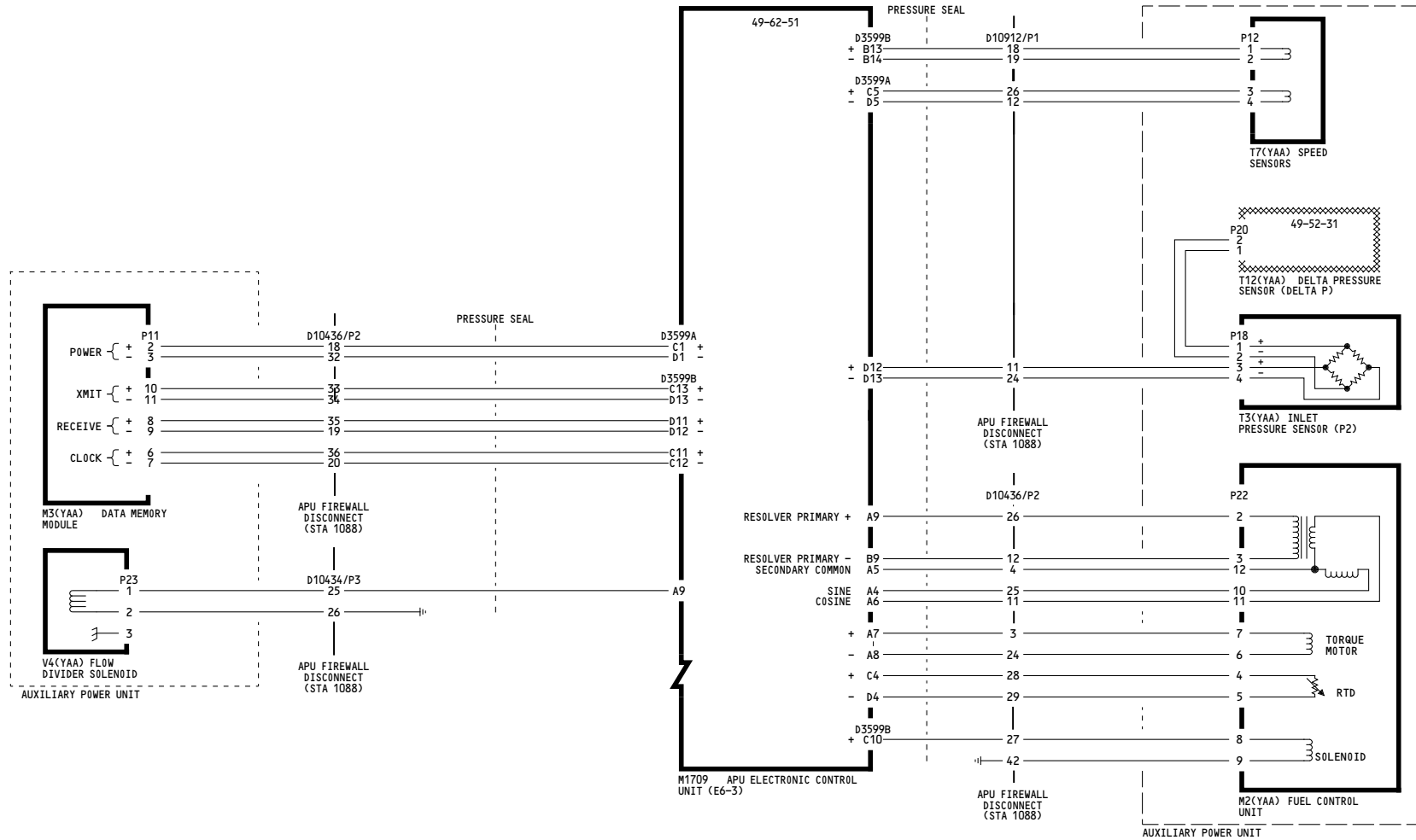
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YC008-YL430	<p>APU CONTROL- APU INTERFACE</p> <p>D280A203</p>
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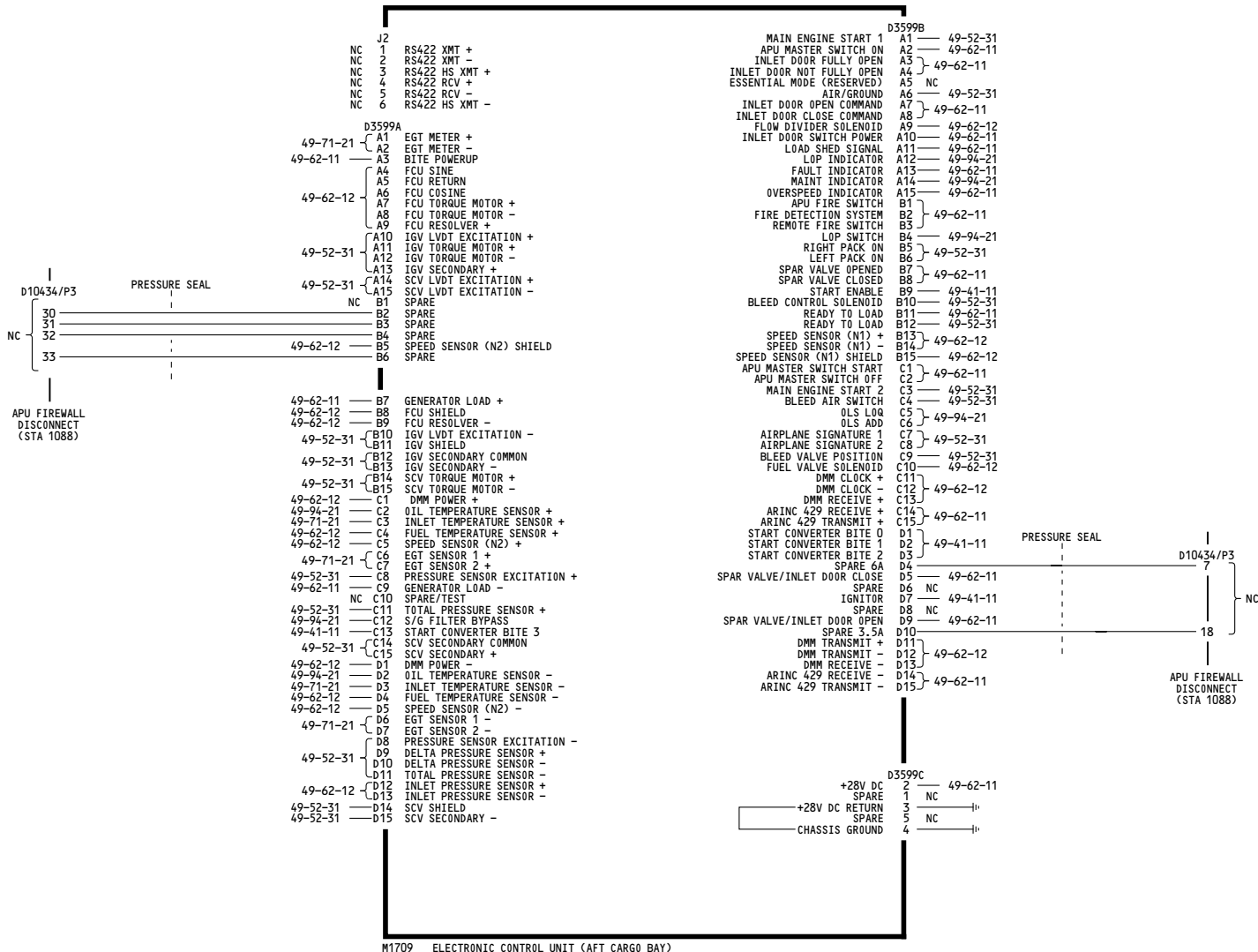
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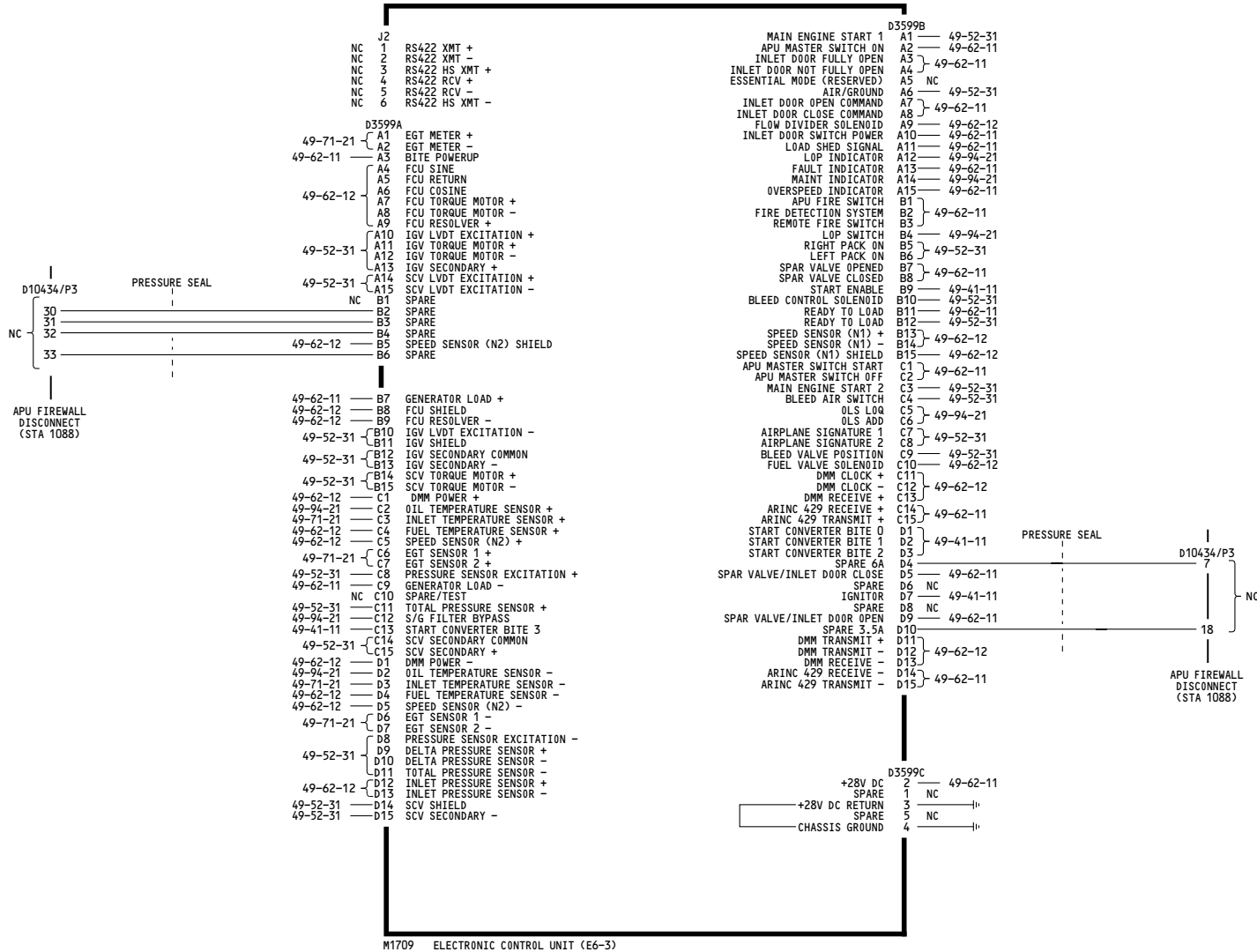
YM643-YM670	APU CONTROL- APU INTERFACE
	D280A203

49-62-12

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YC001-YL430	ECU PINOUT
	D280A203

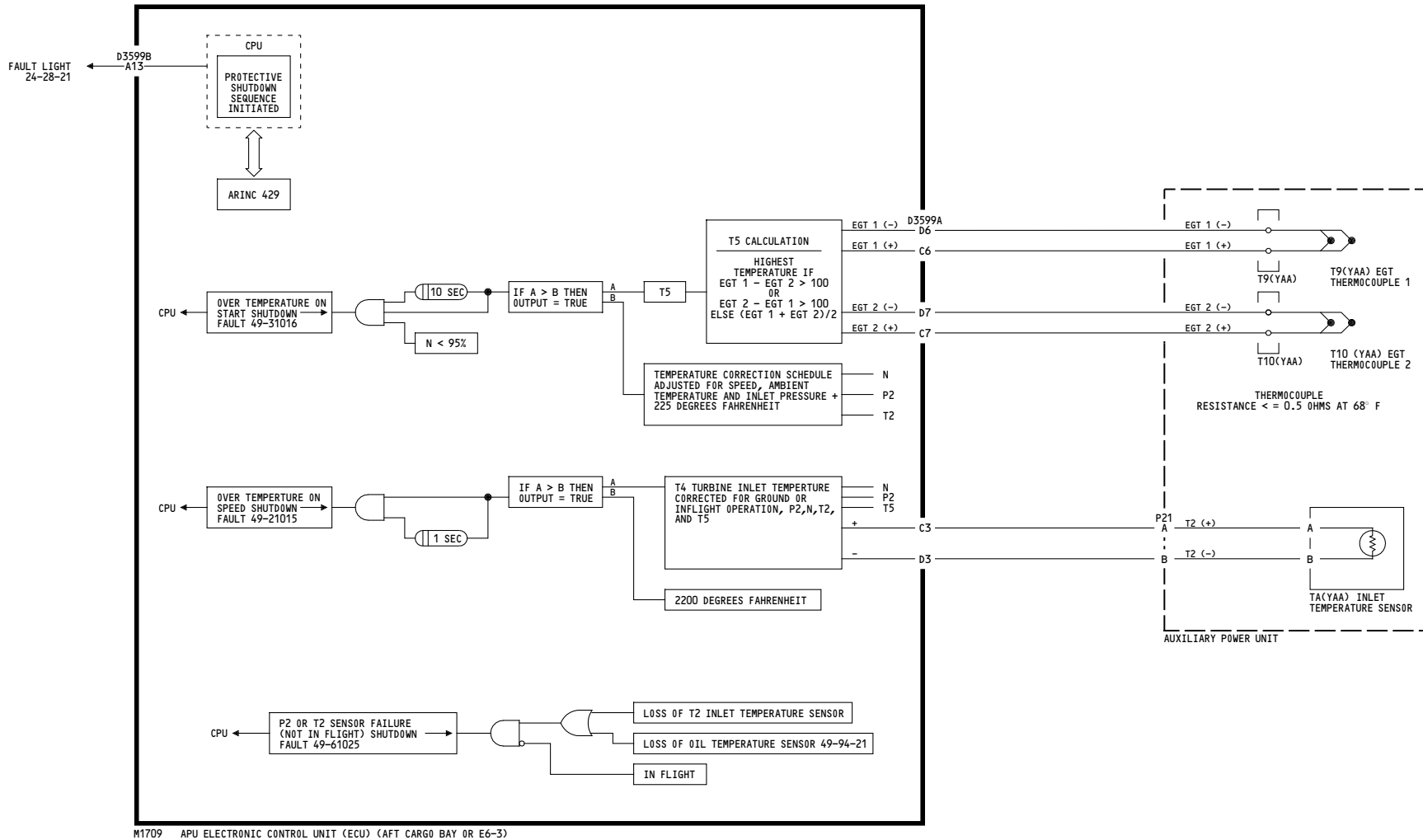


YM643-YM670

ECU PINOUT

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ALL	APU EGT INDICATION
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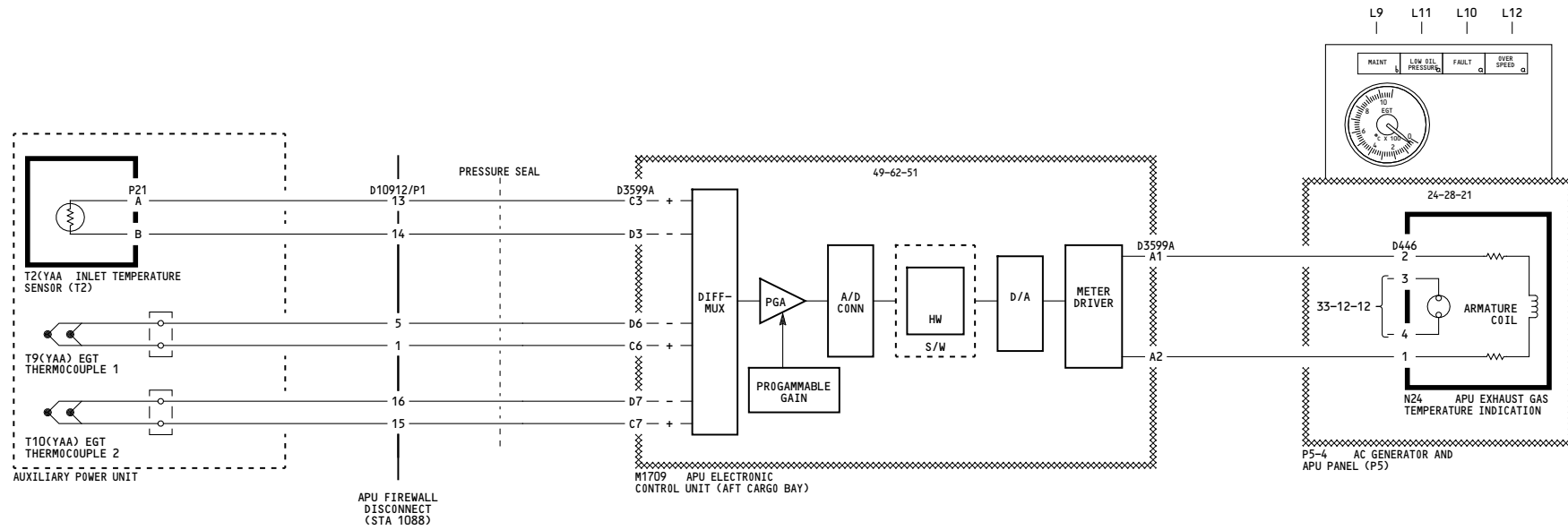
49-71-01

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WIRING DIAGRAMS
49-71-21



YC001-YL430	<p align="center">APU EGT SYSTEM</p> <p align="center">D280A203</p>
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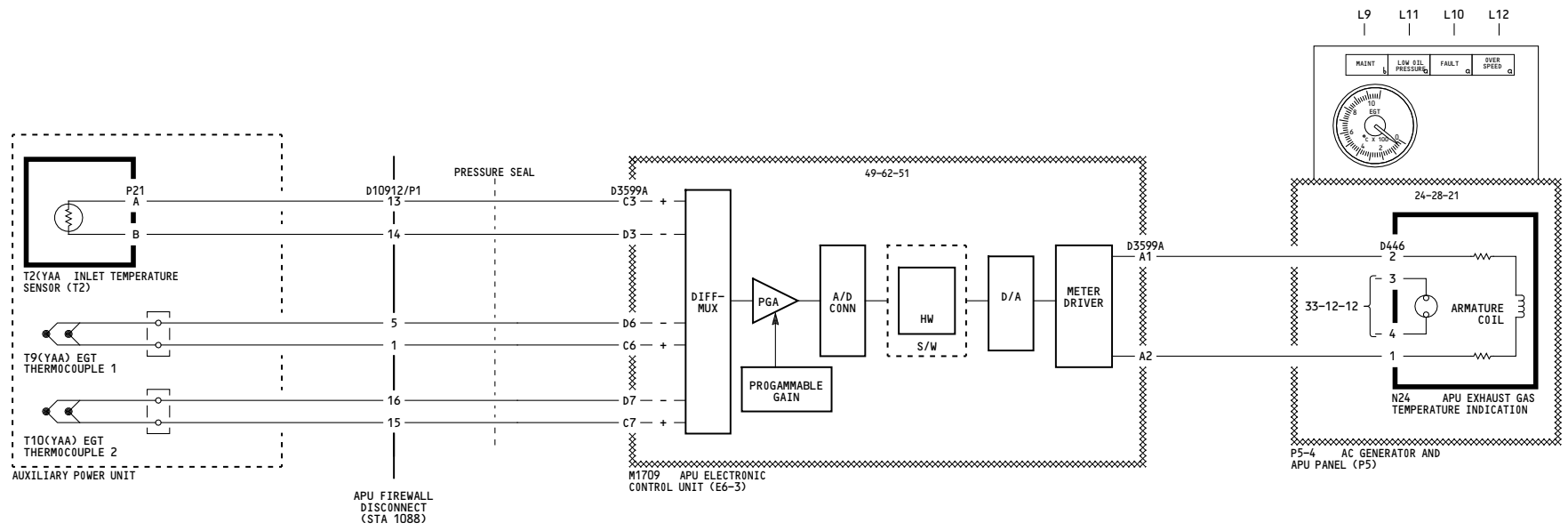
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WIRING DIAGRAMS
49-71-21



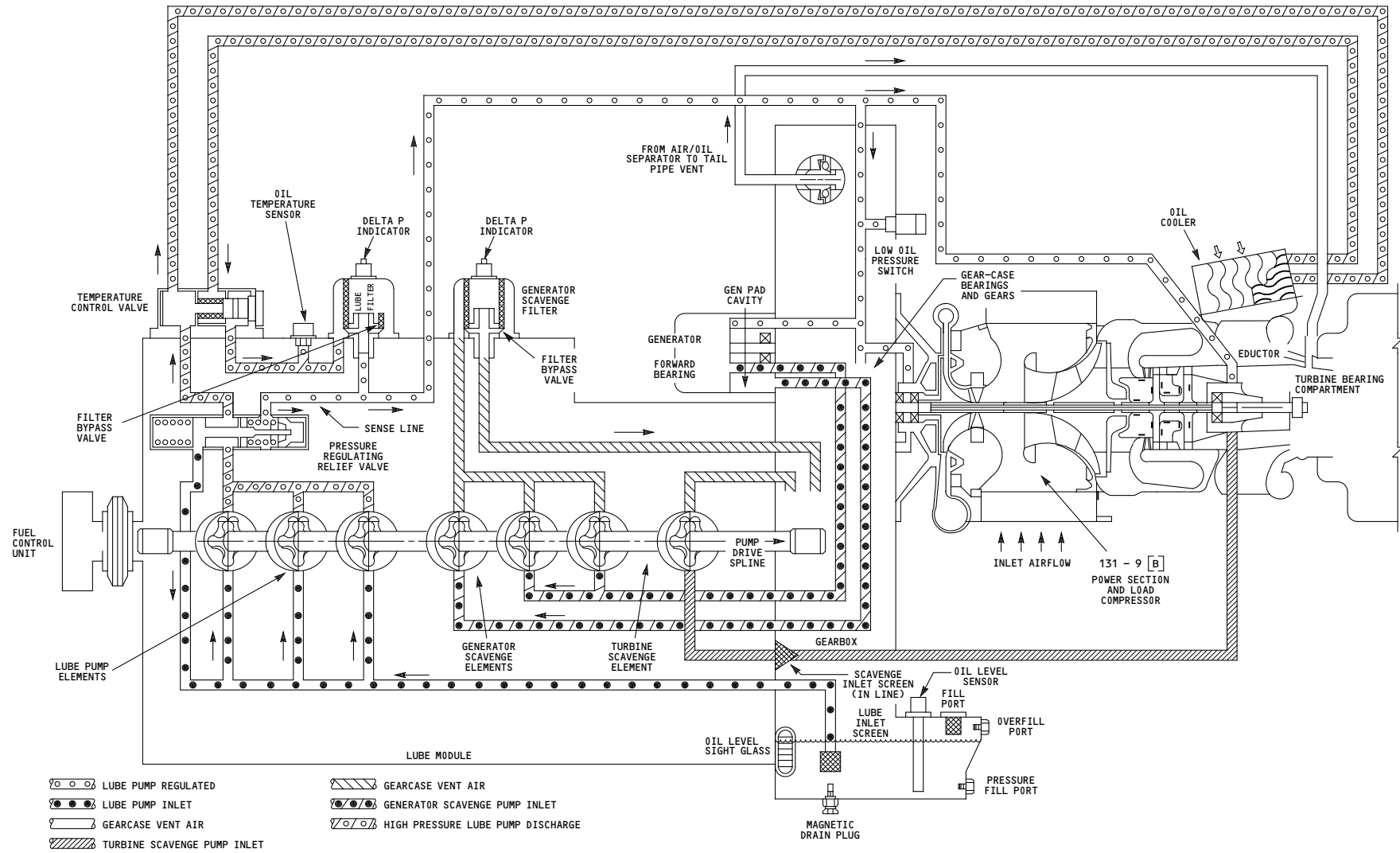
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49-71-21

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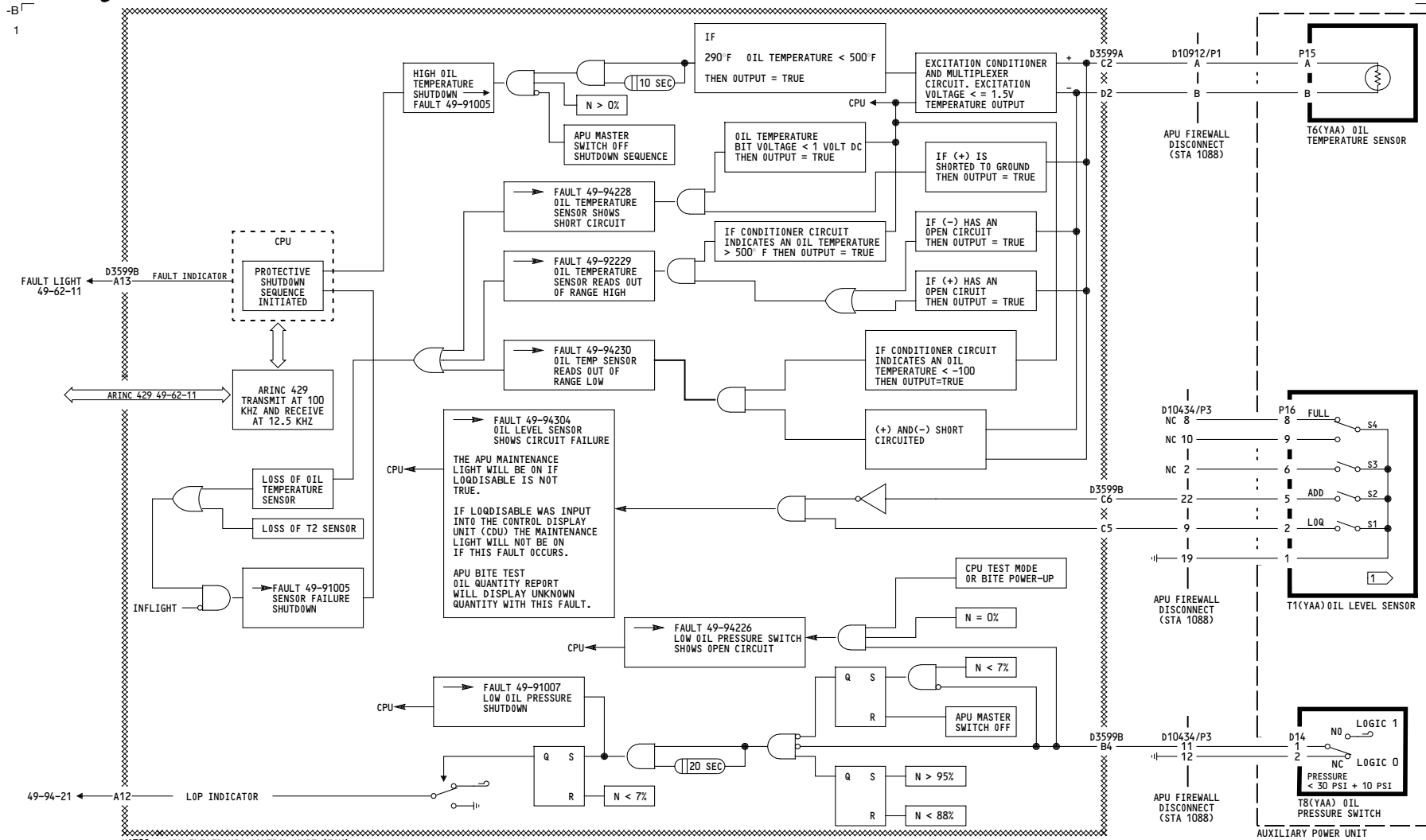


ALL	APU OIL DISTRIBUTION
	D280A203

49-94-00

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NOTES:
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ALL	APU OIL INDICATION
	D280A203

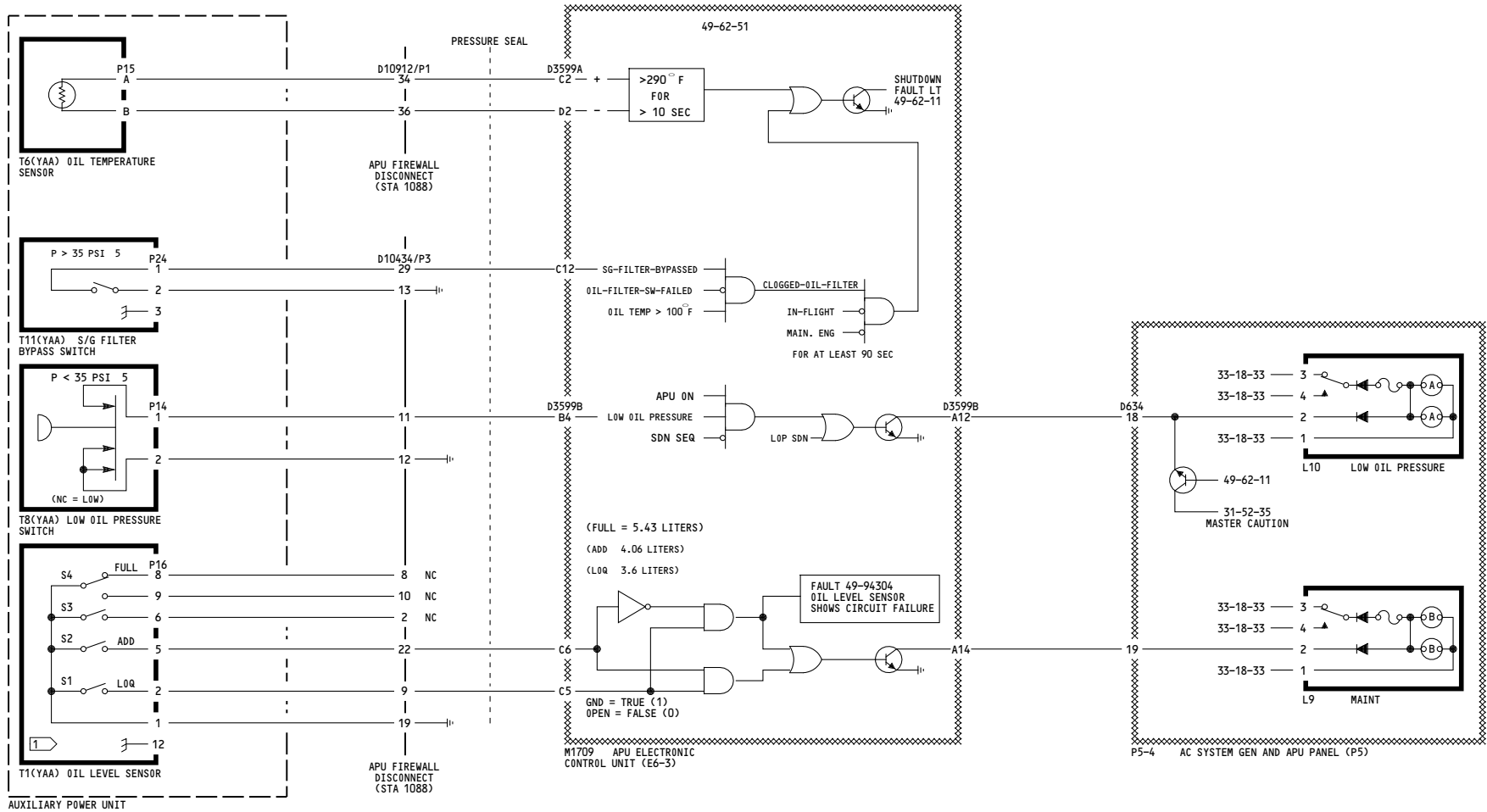
49-94-01

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WIRING DIAGRAMS
49-94-21



NOTES:
1 SHOWN IN FULL OIL POSITION WITH ENGINE OFF.

<p>YM643-YM670</p>	<p>APU OIL SYSTEM</p> <p>D280A203</p>
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