

**CHAPTER**

**73**

**ENGINE FUEL AND CONTROL**



CHAPTER 73  
ENGINE FUEL AND CONTROL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
73-EFFECTIVE PAGES		1 thru 2		Aug 10/2009	73-22-31		101		Oct 20/2005
73-CONTENTS		1		Feb 09/2009			102		Oct 20/2005
		2		Feb 09/2009			103		Jul 17/2007
73-ALPHABETICAL INDEX		1		Jan 18/2007			104		Aug 13/2008
		2		BLANK			105		Feb 09/2009
73-21-11					73-23-11		101		Feb 09/2009
		101		Mar 31/2005	73-24-11		101		Mar 31/2005
		102		Feb 09/2009			102		Jul 17/2007
		103		Jan 14/2008			103		Feb 09/2009
73-21-12					73-24-12		101		Mar 31/2005
		101		Mar 31/2005			102		Feb 09/2009
		102		Feb 09/2009			103		Jan 14/2008
73-21-21					73-24-21		101		Mar 31/2005
		101		Mar 31/2005			102		Jul 17/2007
		102		Feb 09/2009			103		Feb 09/2009
73-21-31							101		Mar 31/2005
		101		Mar 31/2005			102		Jul 17/2007
		102		Feb 09/2009			103		Feb 09/2009
		103		Jan 14/2008	73-25-11		101		Apr 18/2006
73-22-11							102		Feb 09/2009
		101		Feb 09/2009					

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

**73-EFFECTIVE PAGES**



CHAPTER 73  
ENGINE FUEL AND CONTROL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
73-25-21		101		Apr 18/2006					
		102		Feb 09/2009					
73-31-11		101		Feb 09/2009					
73-32-11		101		Feb 09/2009					

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

**73-EFFECTIVE PAGES**

Page 2  
Aug 10/2009

D280A203



CHAPTER 73  
ENGINE FUEL AND CONTROL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<b><u>ENGINE CONTROL SYSTEM</u></b>						
ENGINE EXTERNAL RESET AND CONFIGURATION CONTROL	73-21-11		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YL430
			103		Jan 14/2008	YM643-YM670
ELECTRONIC ENGINE CONTROL ALTERNATE MODE	73-21-12		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YM670
ENGINE THRUST-LEVER-ANGLE RESOLVER	73-21-21		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YM670
ENGINE BLEED AIR THRUST CONTROL	73-21-31		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YL430
			103		Jan 14/2008	YM643-YM670
<b><u>ELECTRICAL POWER AND CONTROL</u></b>						
ELECTRONIC ENGINE CONTROL ELECTRICAL POWER	73-22-11		101		Feb 09/2009	ALL
ENGINE RUNNING CONTROL	73-22-31		101		Oct 20/2005	YC001-YC003
			102		Oct 20/2005	YC004-YC007
			103		Jul 17/2007	YC008-YC030 YK901-YK905
			104		Aug 13/2008	YC031-YC050 YK906-YK909 YL401
			105		Feb 09/2009	YK910-YK920 YL421-YM670
<b><u>ENGINE IDLE CONTROL</u></b>						
ENGINE IDLE CONTROL	73-23-11		101		Feb 09/2009	ALL

CHAPTER 73  
ENGINE FUEL AND CONTROL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<b><u>ENGINE DATABUS OUTPUT</u></b>						
ENGINE 1 DATABUS OUTPUT	73-24-11		101		Mar 31/2005	YC001-YC007
			102		Jul 17/2007	YC008-YC030
			103		Feb 09/2009	YC031-YM670
ENGINE DATABUS INPUT	73-24-12		101		Mar 31/2005	YC001-YC007
			102		Feb 09/2009	YC008-YL430
			103		Jan 14/2008	YM643-YM670
ENGINE 2 DATABUS OUTPUT	73-24-21		101		Mar 31/2005	YC001-YC007
			102		Jul 17/2007	YC008-YC030
			103		Feb 09/2009	YC031-YM670
<b><u>ENGINE FUEL CONTROL</u></b>						
ENGINE 1 FUEL CONTROL	73-25-11		101		Apr 18/2006	YC001-YC016
			102		Feb 09/2009	YC017-YM670
ENGINE 2 FUEL CONTROL	73-25-21		101		Apr 18/2006	YC001-YC016
			102		Feb 09/2009	YC017-YM670
<b><u>FUEL FLOW INDICATING SYSTEM</u></b>						
ENGINE FUEL SYSTEM INDICATION	73-31-11		101		Feb 09/2009	ALL
<b><u>ENGINE FAULT INDICATION</u></b>						
ENGINE CONTROL FAULT INDICATION	73-32-11		101		Feb 09/2009	ALL

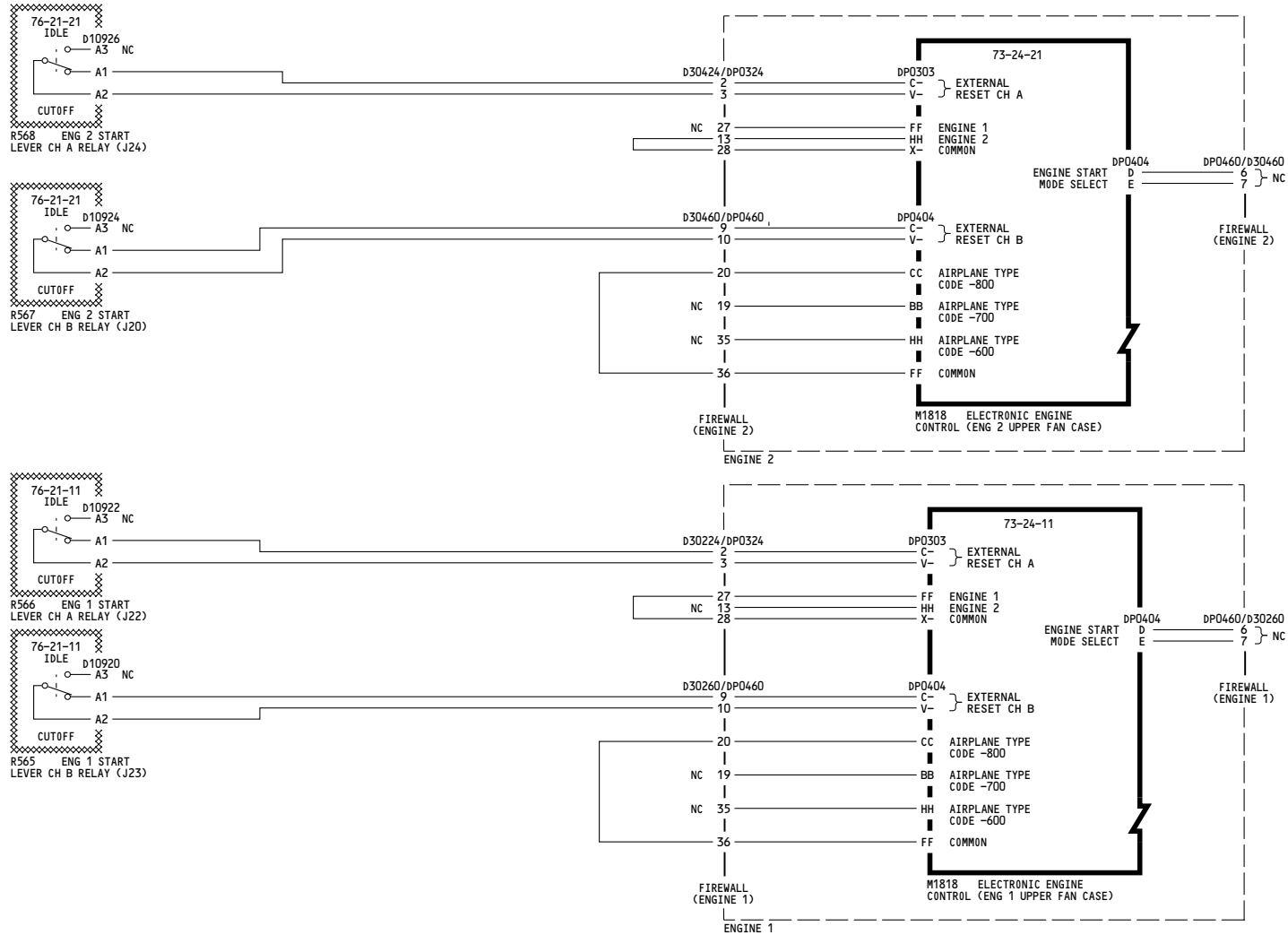
**CHAPTER 73  
ENGINE FUEL AND CONTROL**

CH-SC-SU	Title
73-21-12	ELECTRONIC ENGINE CONTROL ALTERNATE MODE
73-22-11	ELECTRONIC ENGINE CONTROL ELECTRICAL POWER
73-24-11	ENGINE 1 DATABUS OUTPUT
73-25-11	ENGINE 1 FUEL CONTROL
73-24-21	ENGINE 2 DATABUS OUTPUT
73-25-21	ENGINE 2 FUEL CONTROL
73-21-31	ENGINE BLEED AIR THRUST CONTROL
73-32-11	ENGINE CONTROL FAULT INDICATION
73-24-12	ENGINE DATABUS INPUT
73-21-11	ENGINE EXTERNAL RESET AND CONFIGURATION CONTROL
73-31-11	ENGINE FUEL SYSTEM INDICATION
73-23-11	ENGINE IDLE CONTROL
73-22-31	ENGINE RUNNING CONTROL
73-21-21	ENGINE THRUST-LEVER-ANGLE RESOLVER

CH-SC-SU	Title
----------	-------

**73-ALPHABETICAL INDEX**

-D  
2



YC001-YC007

**ENGINE EXTERNAL RESET AND CONFIGURATION CONTROL**

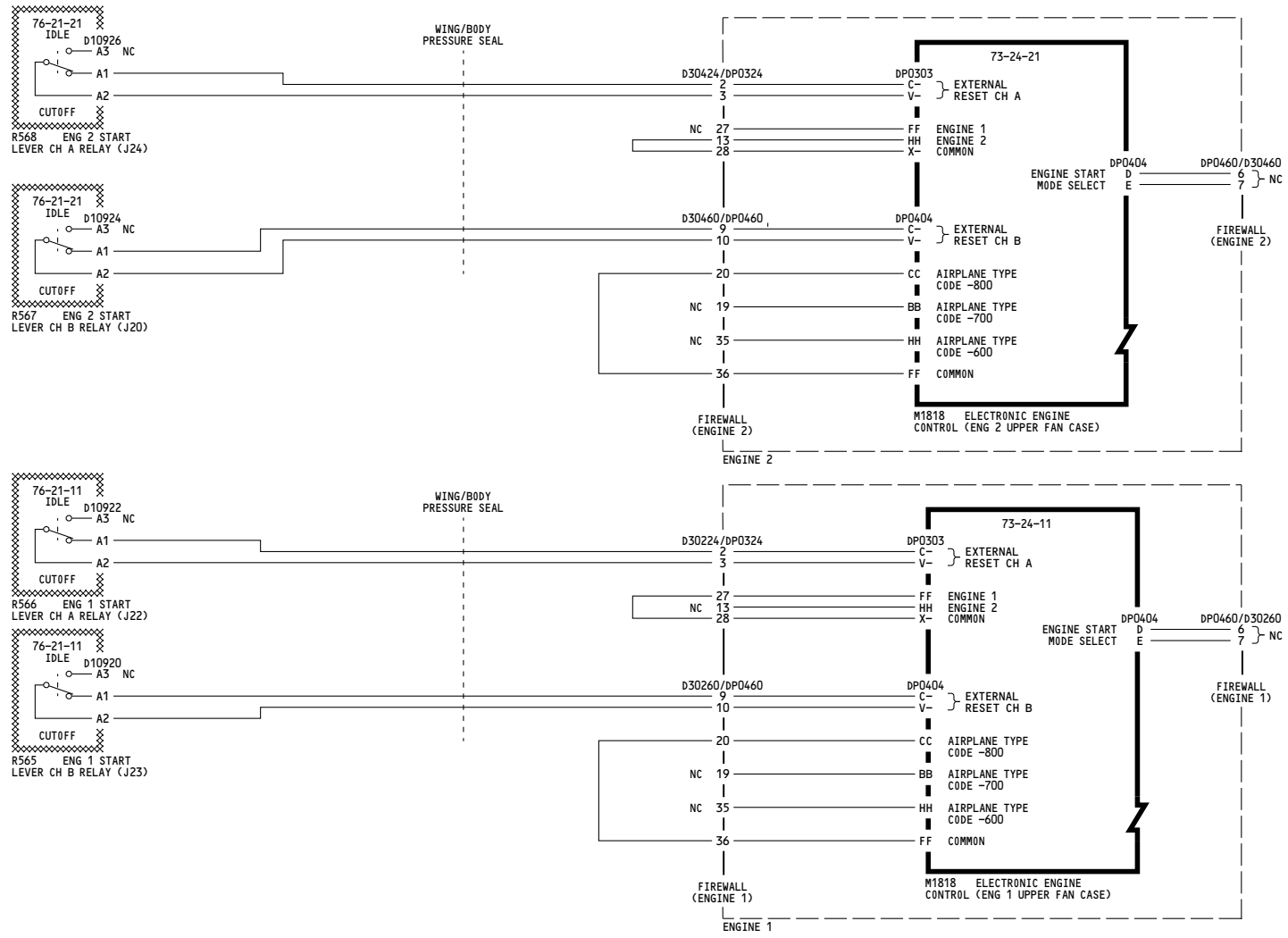
D280A203

**73-21-11**

Page 101

Mar 31/2005

-B  
6



<p>YC008-YL430</p>	<p><b>ENGINE EXTERNAL RESET AND CONFIGURATION CONTROL</b></p> <p>D280A203</p>
--------------------	---

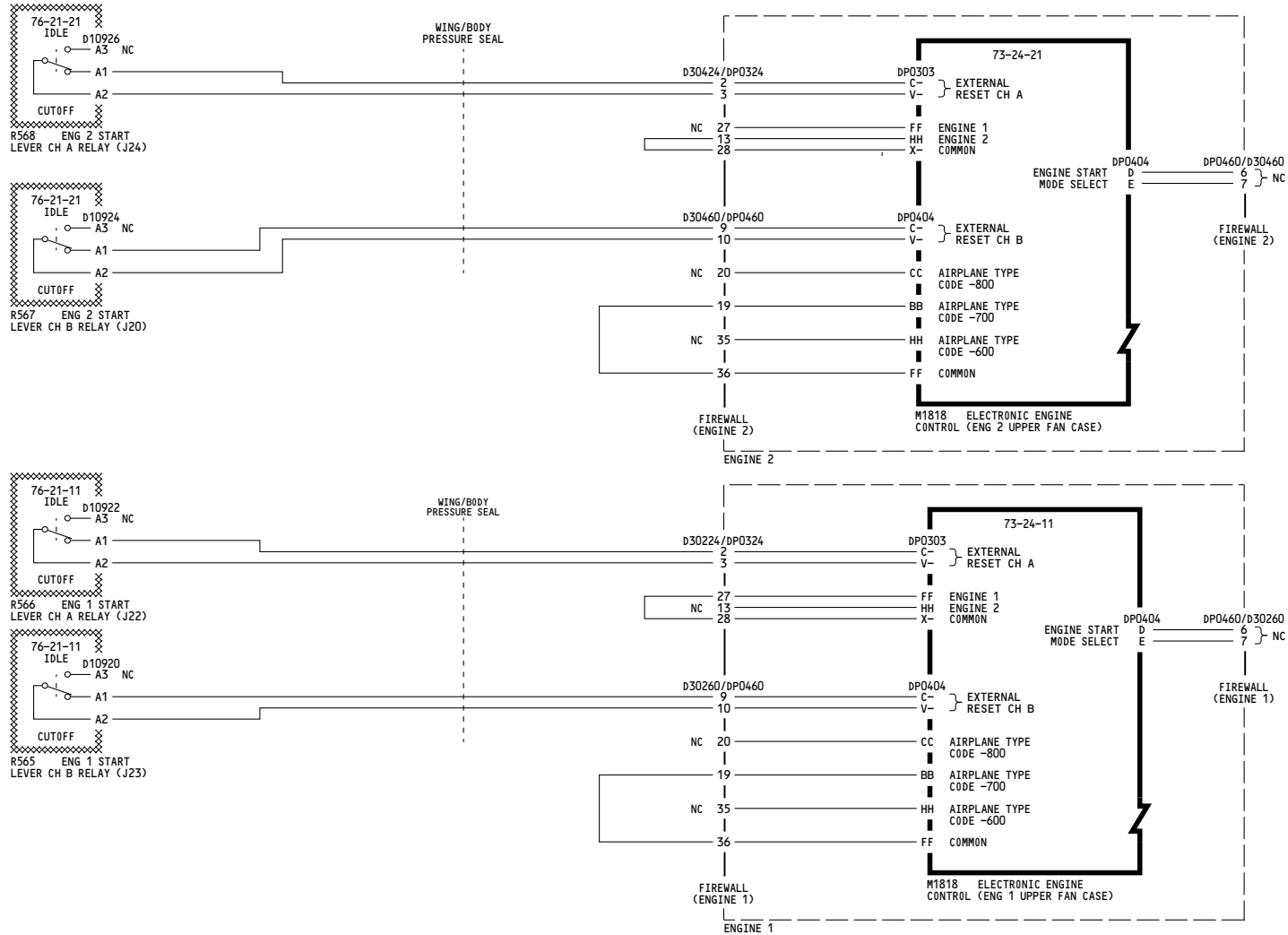
**73-21-11**

Page 102

Feb 09/2009



-B  
5

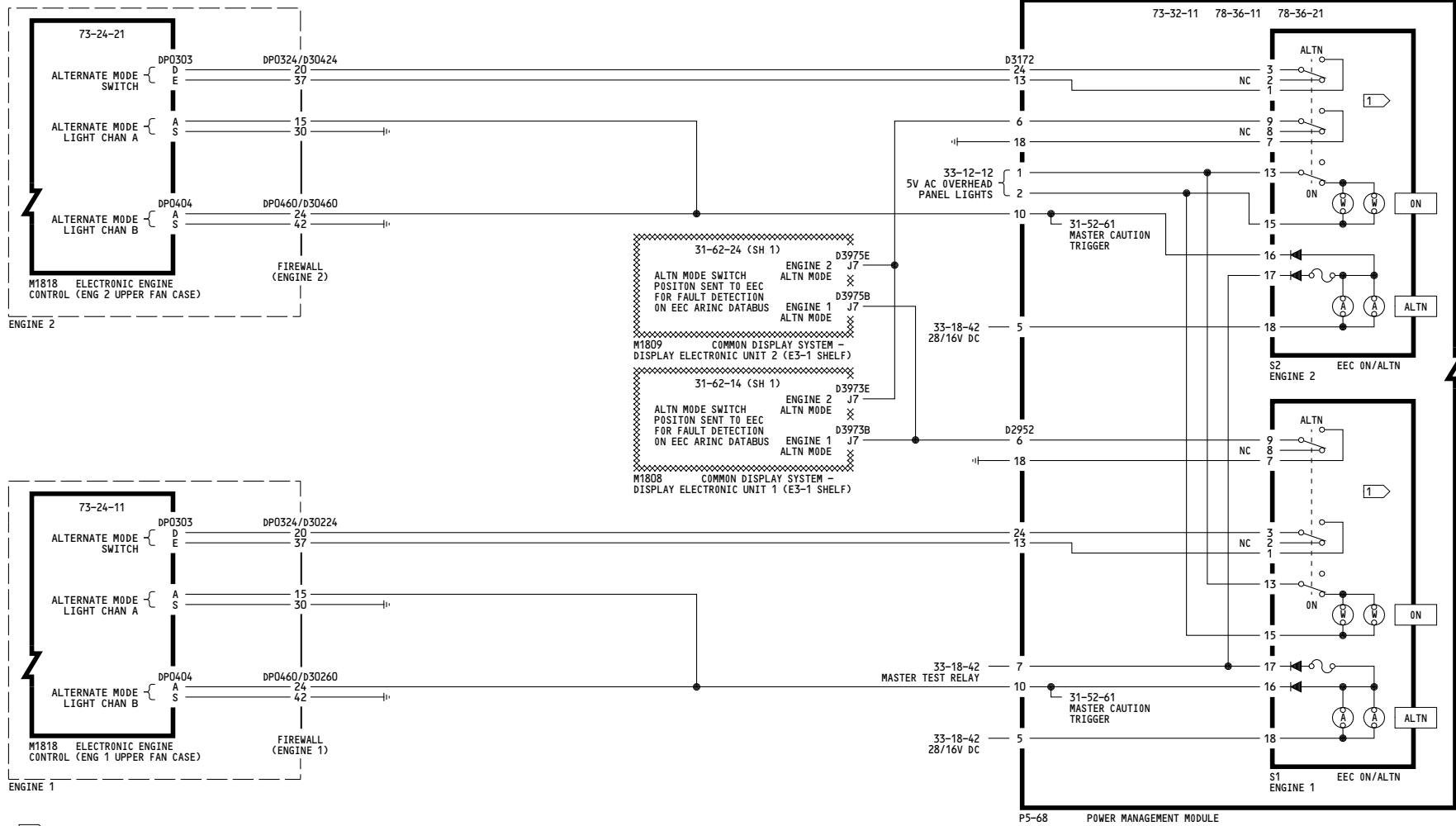


YM643-YM670	<p align="center"><b>ENGINE EXTERNAL RESET AND CONFIGURATION CONTROL</b></p> <p align="center">D280A203</p>
-------------	---

**73-21-11**

Page 103

Jan 14/2008



1 SWITCH IS SHOWN NORMALLY "ON"

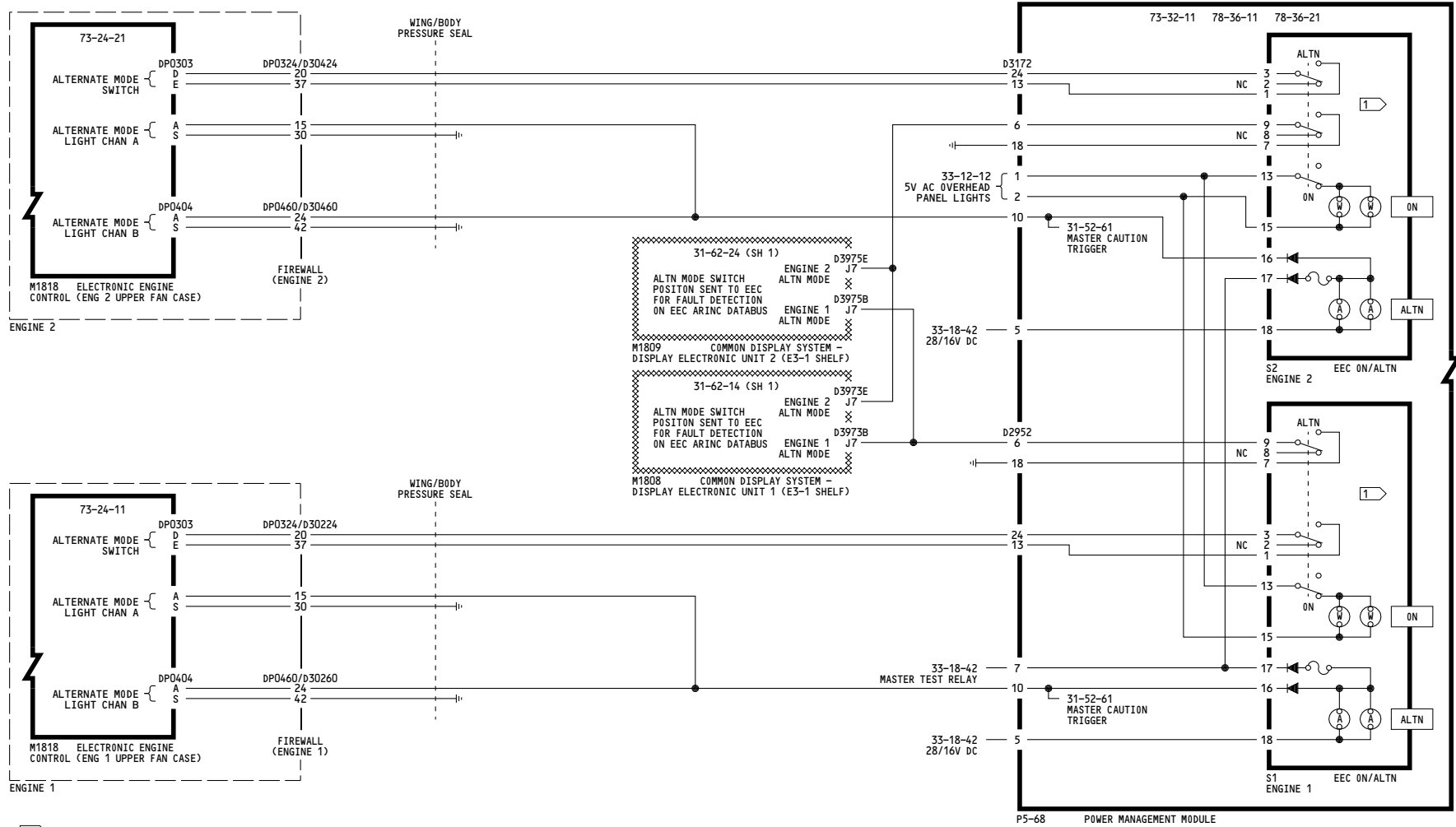
<p>YC001-YC007</p>	<p><b>ELECTRONIC ENGINE CONTROL ALTERNATE MODE</b></p> <p>D280A203</p>
--------------------	--

73-21-12

Page 101

Mar 31/2005

-A  
3



SWITCH IS SHOWN NORMALLY "ON"

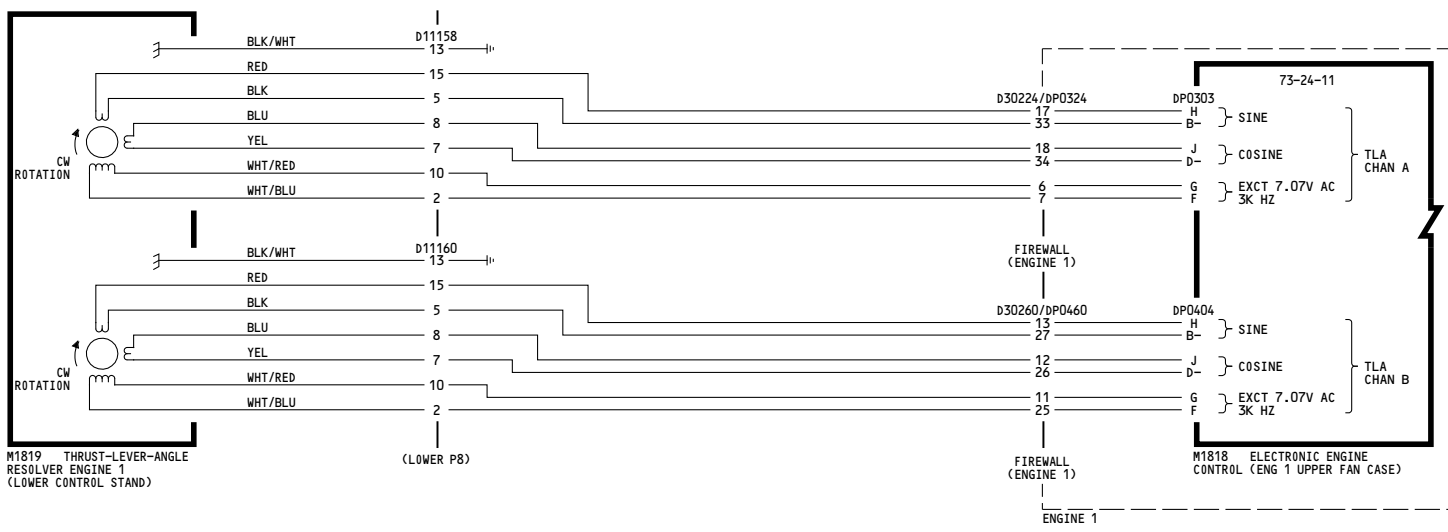
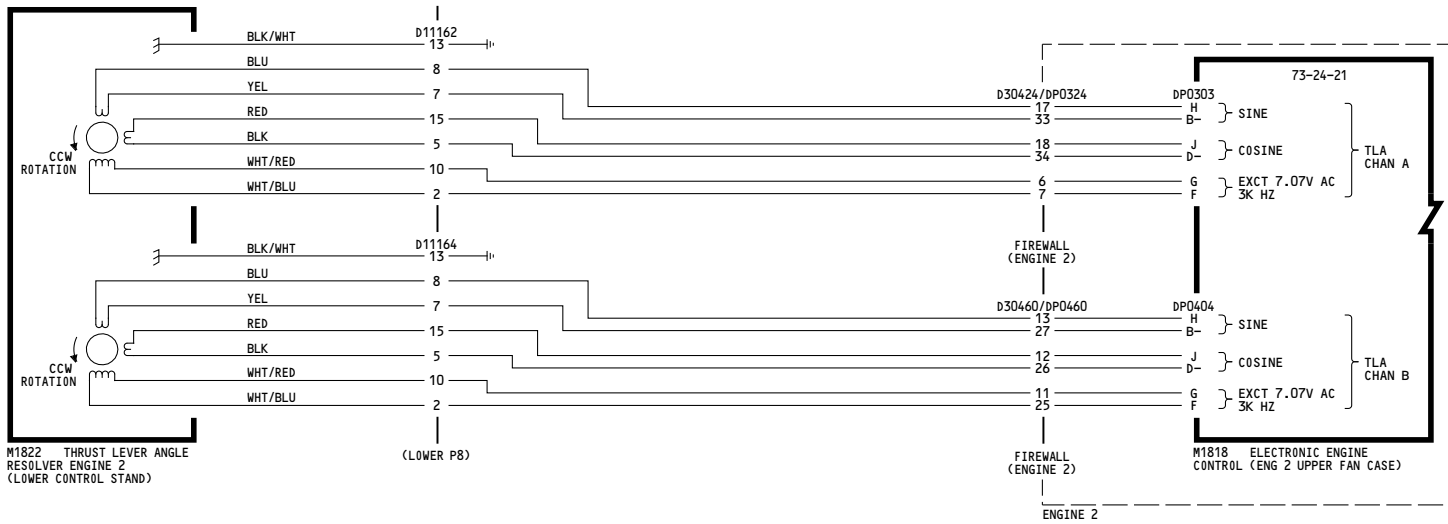
YC008-YM670	<b>ELECTRONIC ENGINE CONTROL ALTERNATE MODE</b>
	D280A203

**73-21-12**

Page 102

Feb 09/2009

-H  
1



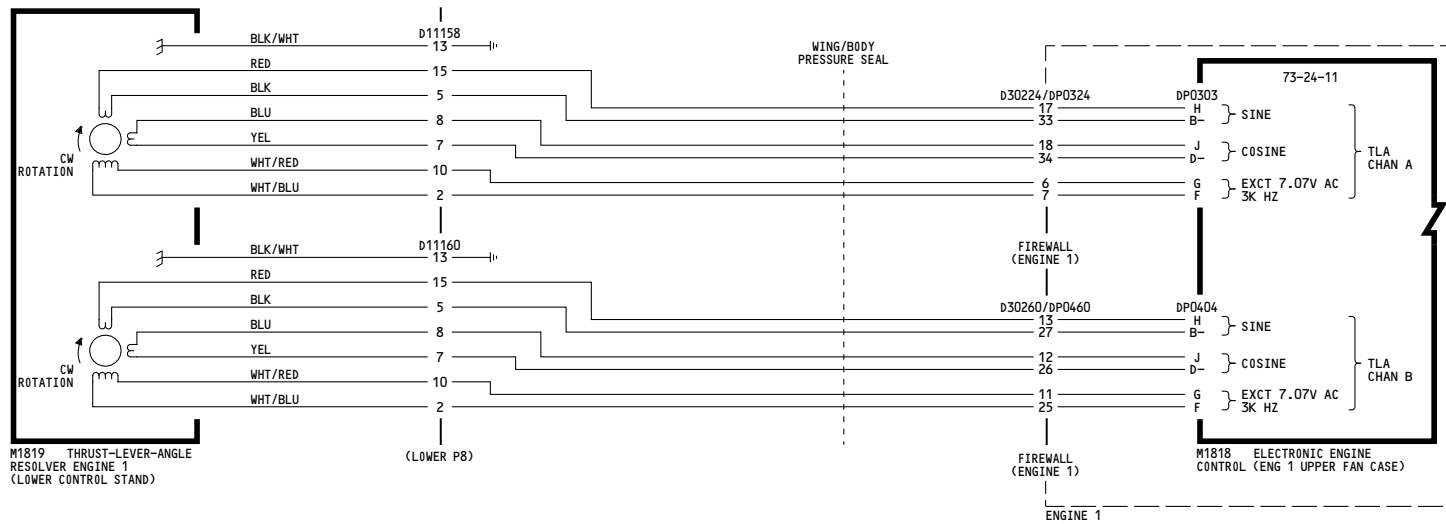
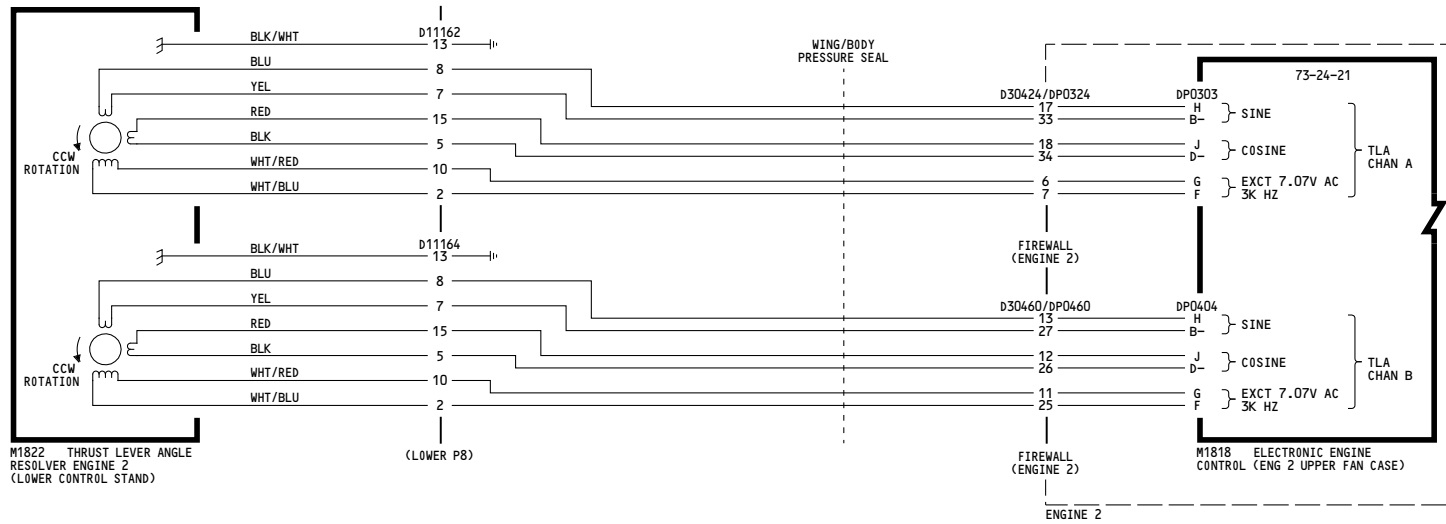
YC001-YC007	<p><b>ENGINE THRUST-LEVER-ANGLE RESOLVER</b></p> <p>D280A203</p>
-------------	--

**73-21-21**

Page 101

Mar 31/2005

-A  
2

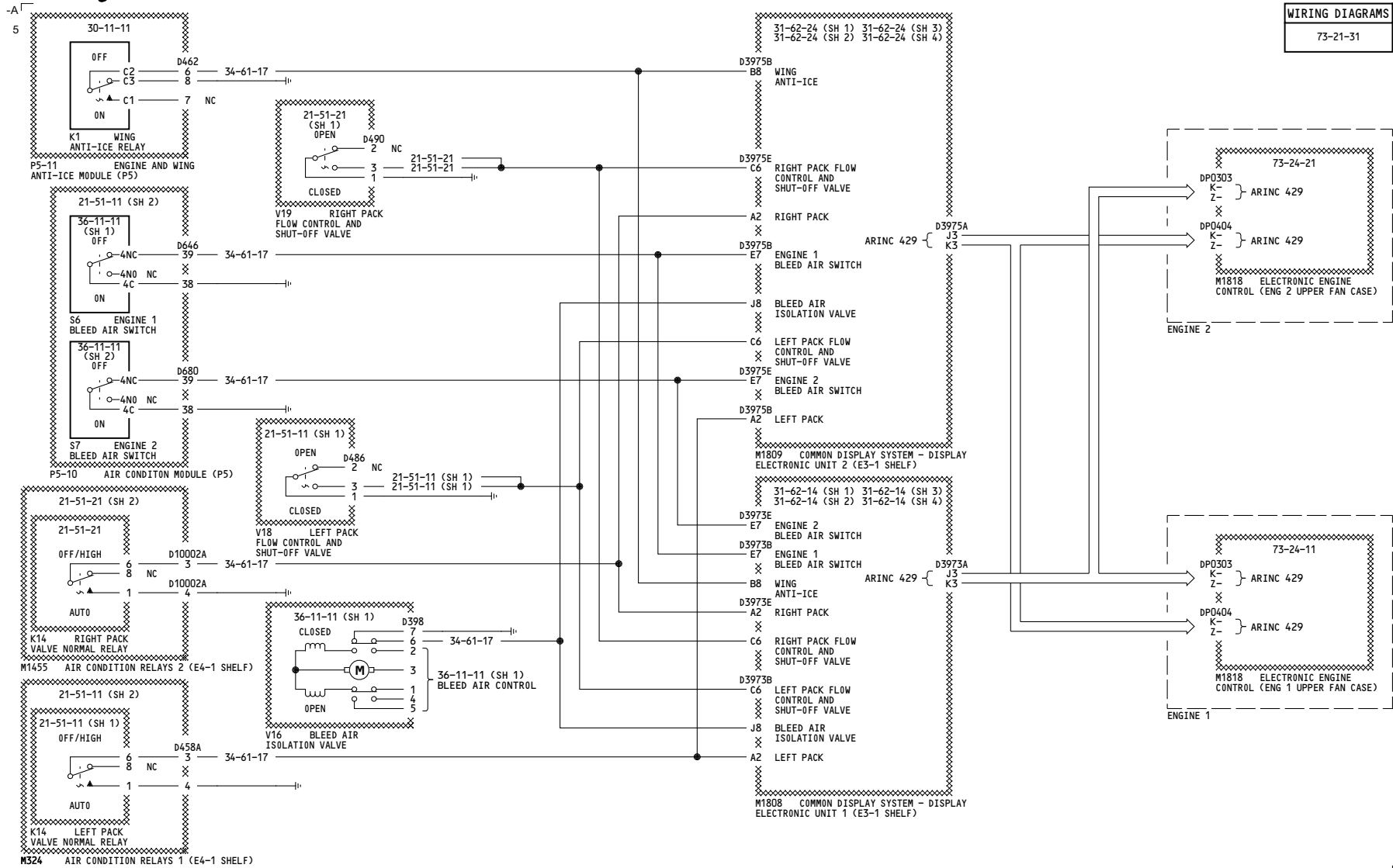


YC008-YM670	<b>ENGINE THRUST-LEVER-ANGLE RESOLVER</b>
	D280A203

**73-21-21**

Page 102

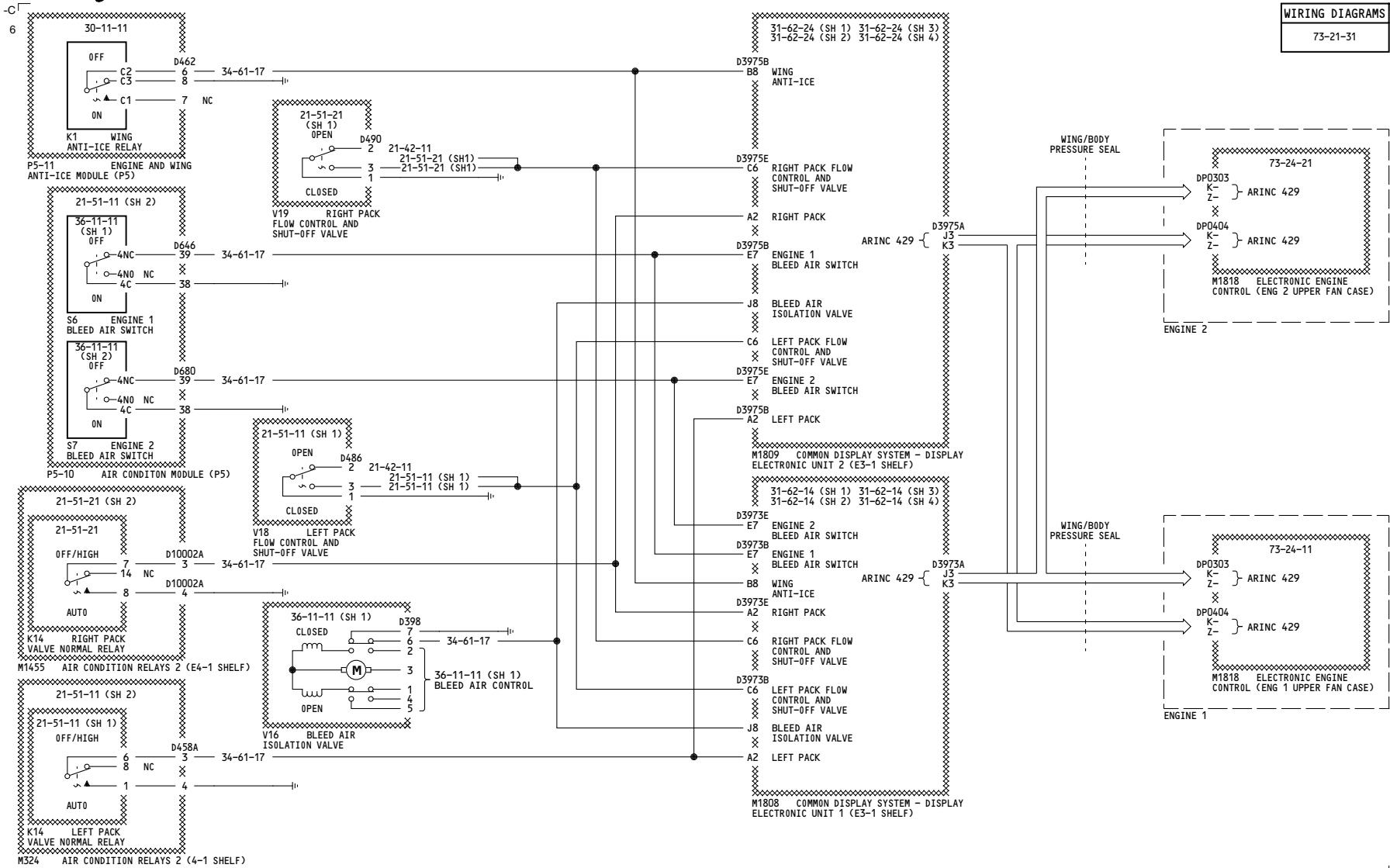
Feb 09/2009



YCO01-YCO07

**ENGINE BLEED AIR THRUST CONTROL**

D280A203

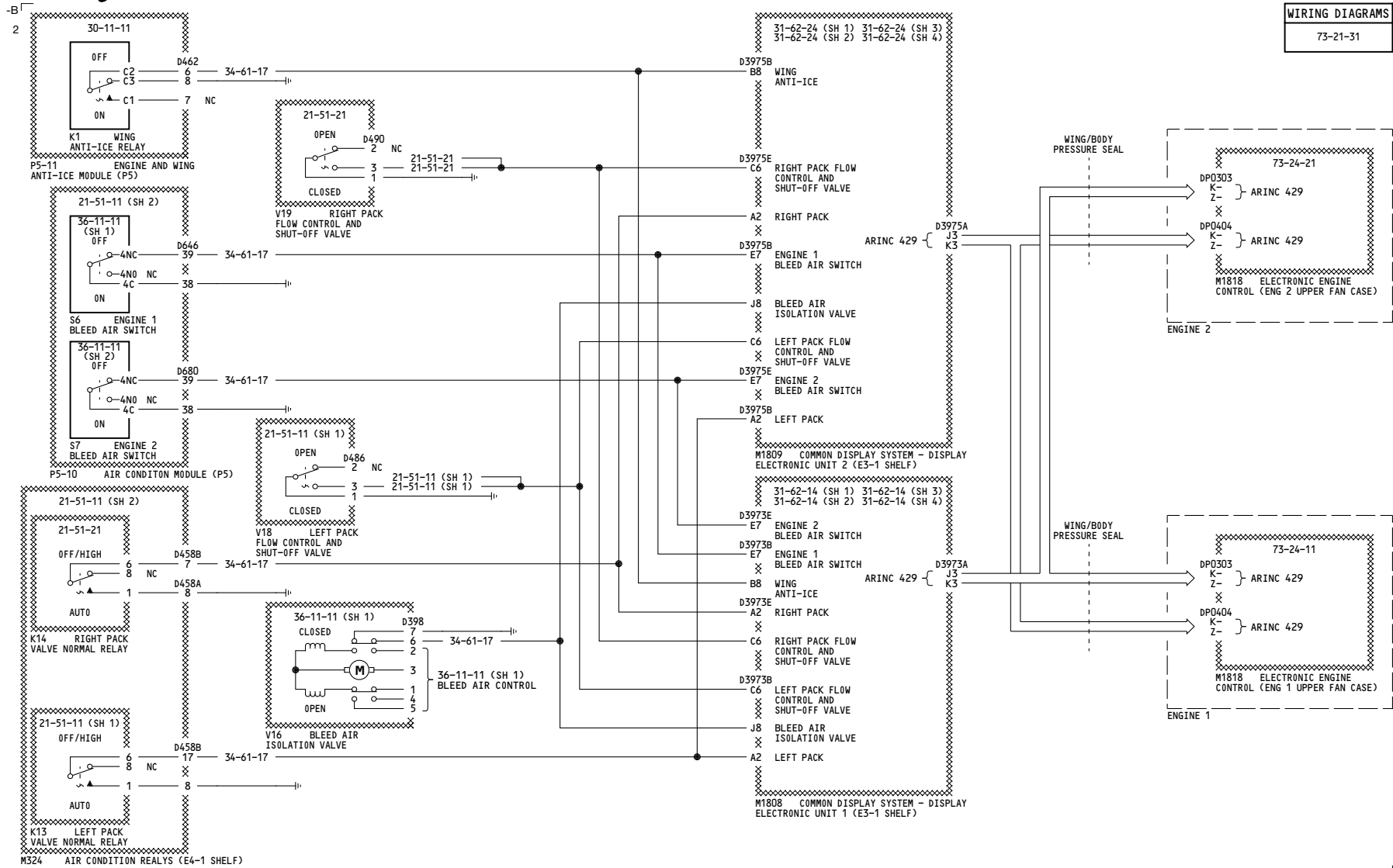


YC008-YL430

**ENGINE BLEED AIR THRUST CONTROL**

D280A203

**73-21-31**



YM643-YM670

**ENGINE BLEED AIR  
THRUST CONTROL**

D280A203

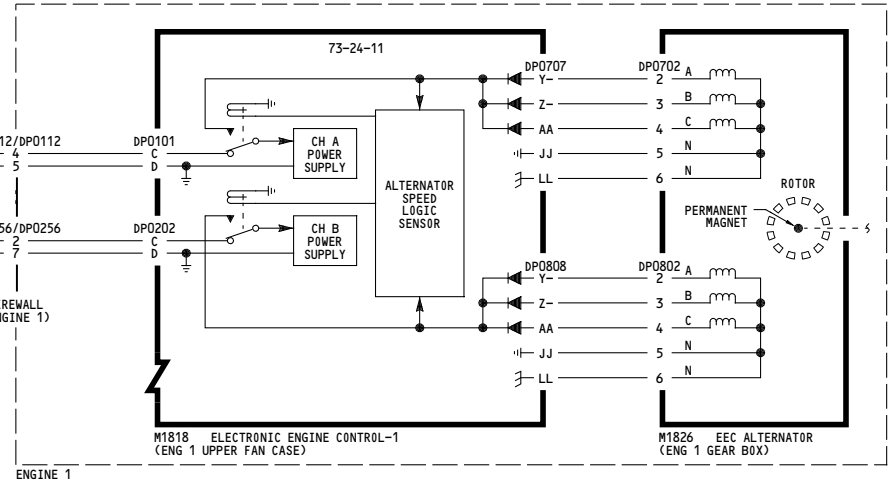
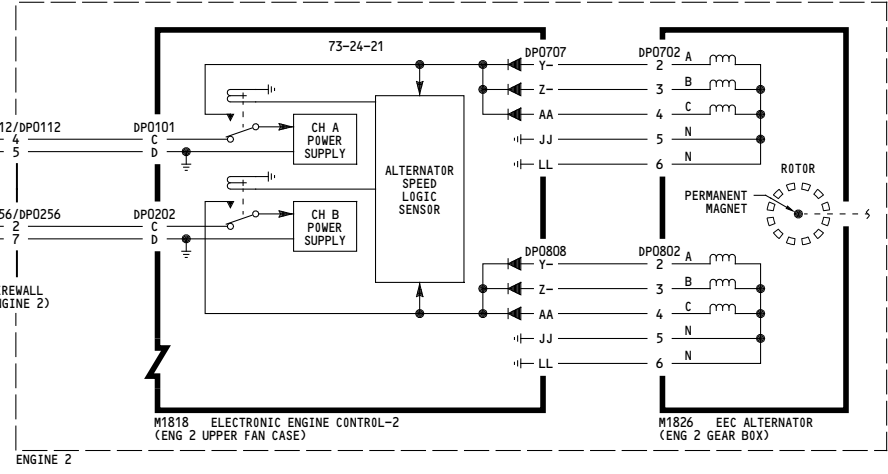
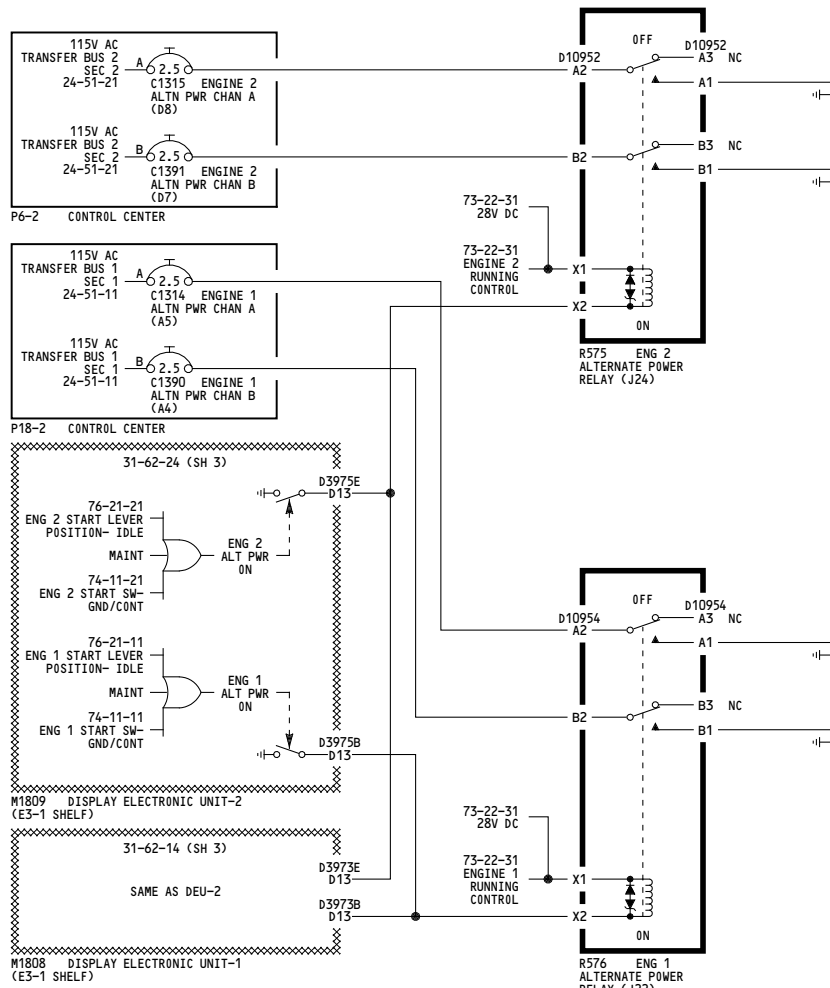
**73-21-31**

Page 103

Jan 14/2008



-K  
1

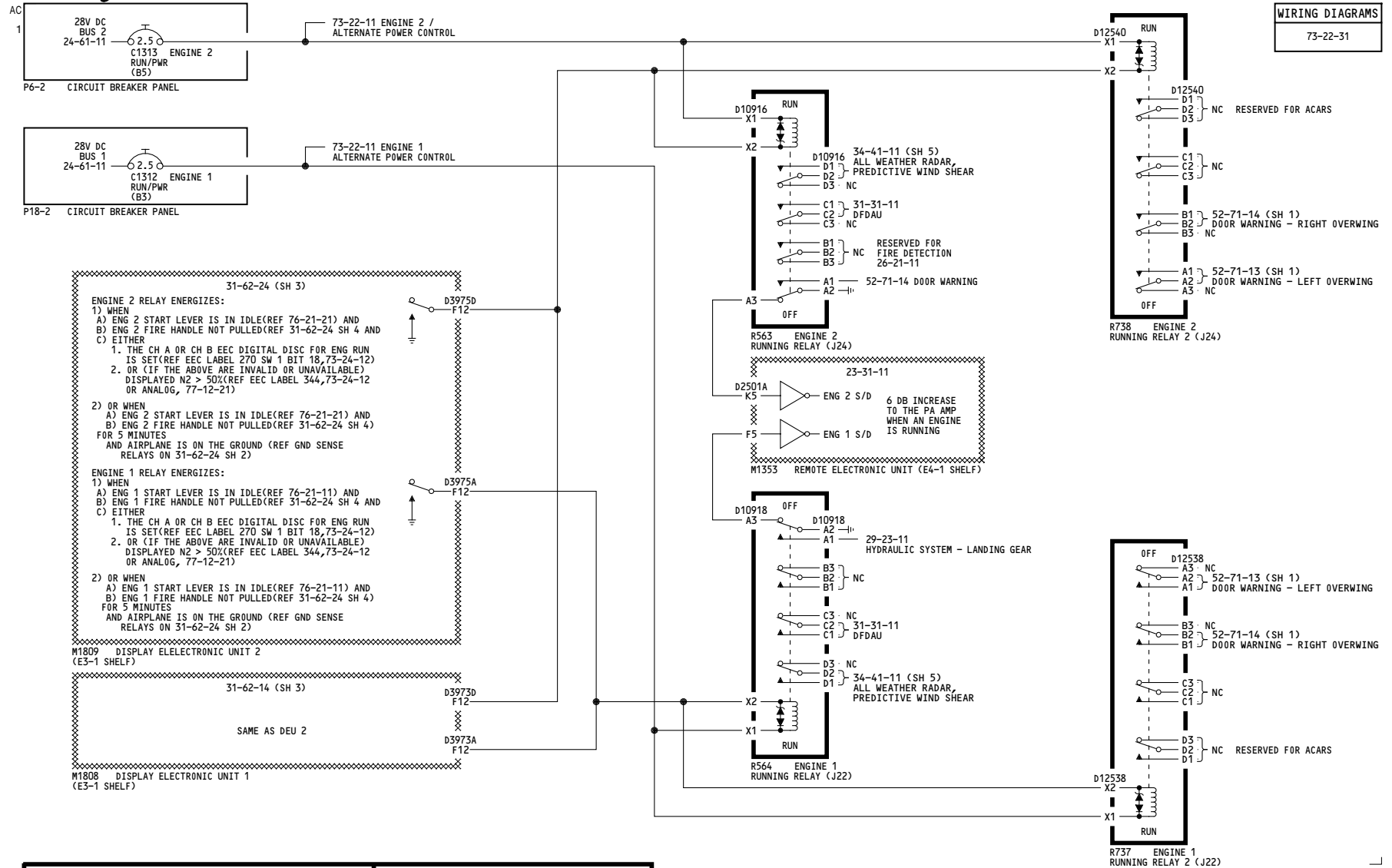


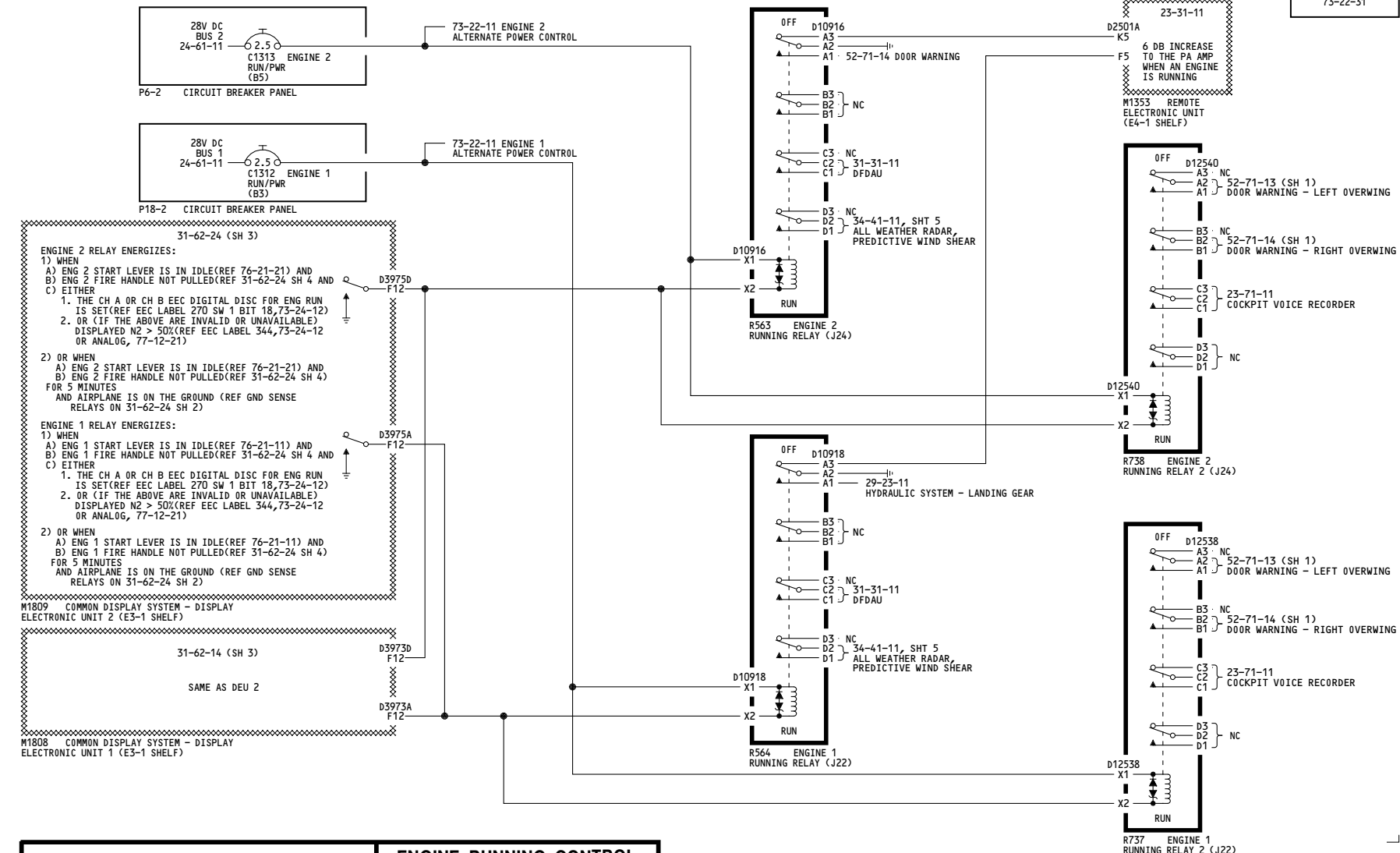
ALL

**ELECTRONIC ENGINE CONTROL ELECTRICAL POWER**

D280A203

**73-22-11**

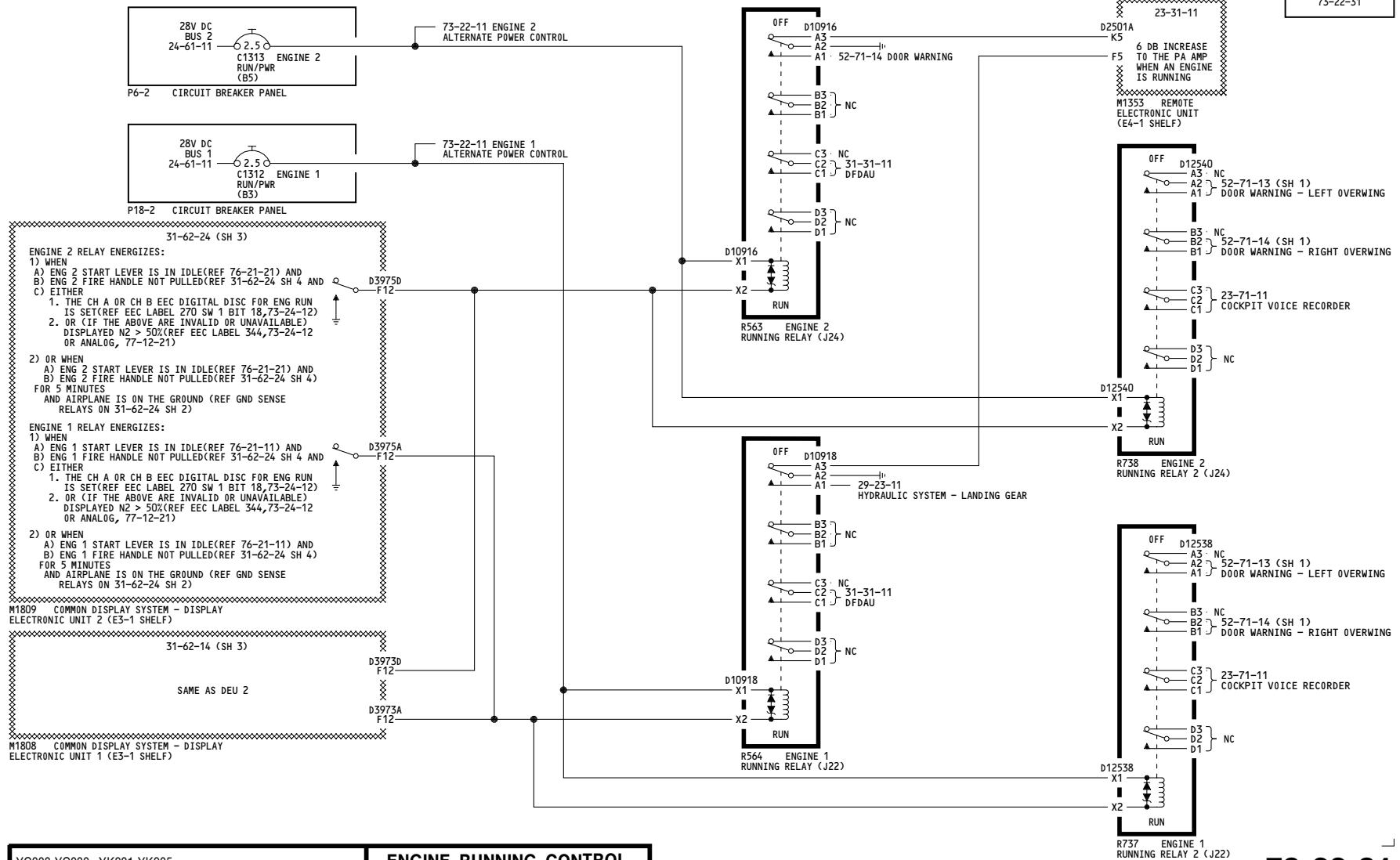




<p>YC004-YC007</p>	<p><b>ENGINE RUNNING CONTROL</b></p> <p>D280A203</p>
--------------------	--

**73-22-31**

8

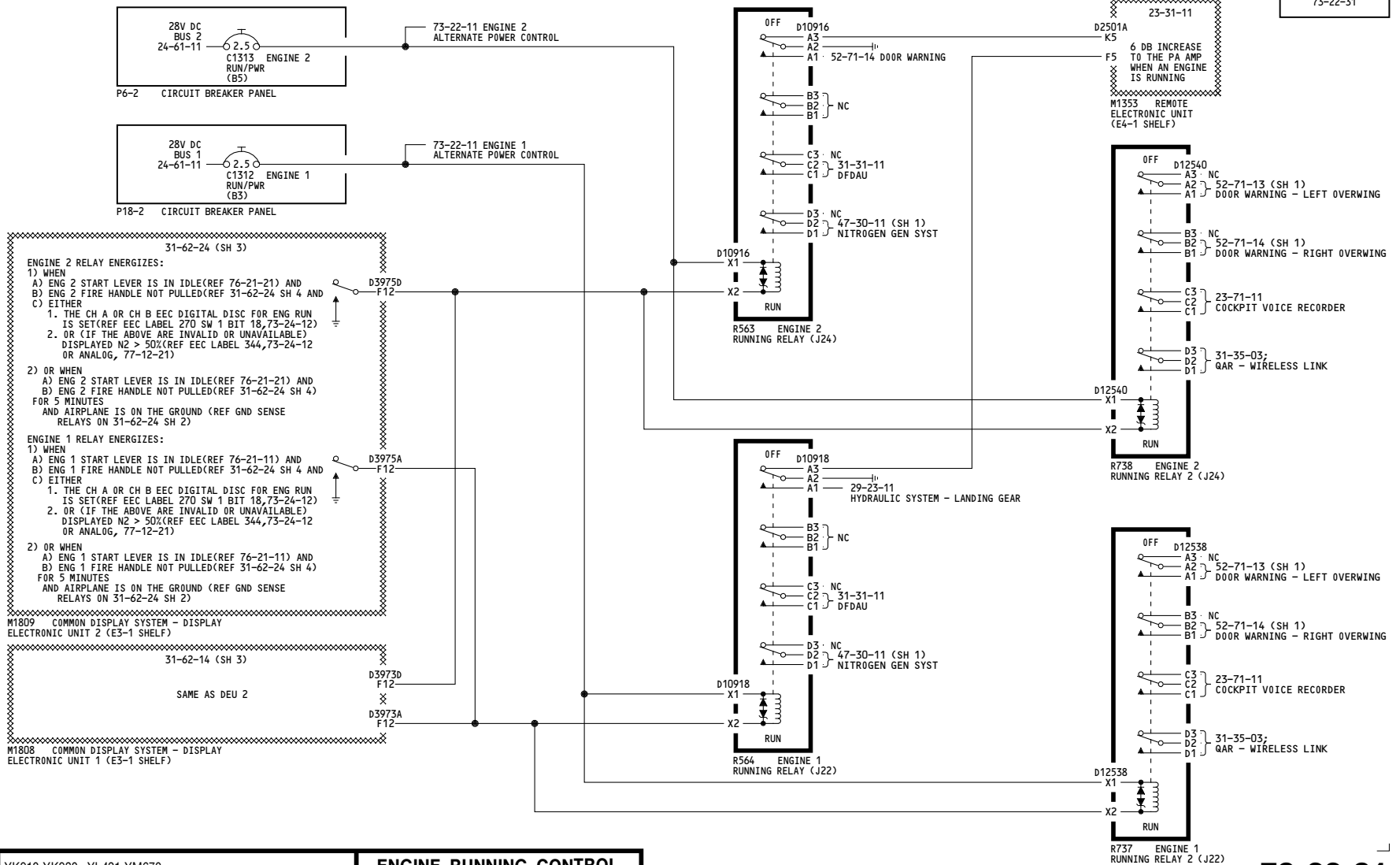


YC008-YC030, YK901-YK905	<b>ENGINE RUNNING CONTROL</b>
	D280A203

**73-22-31**

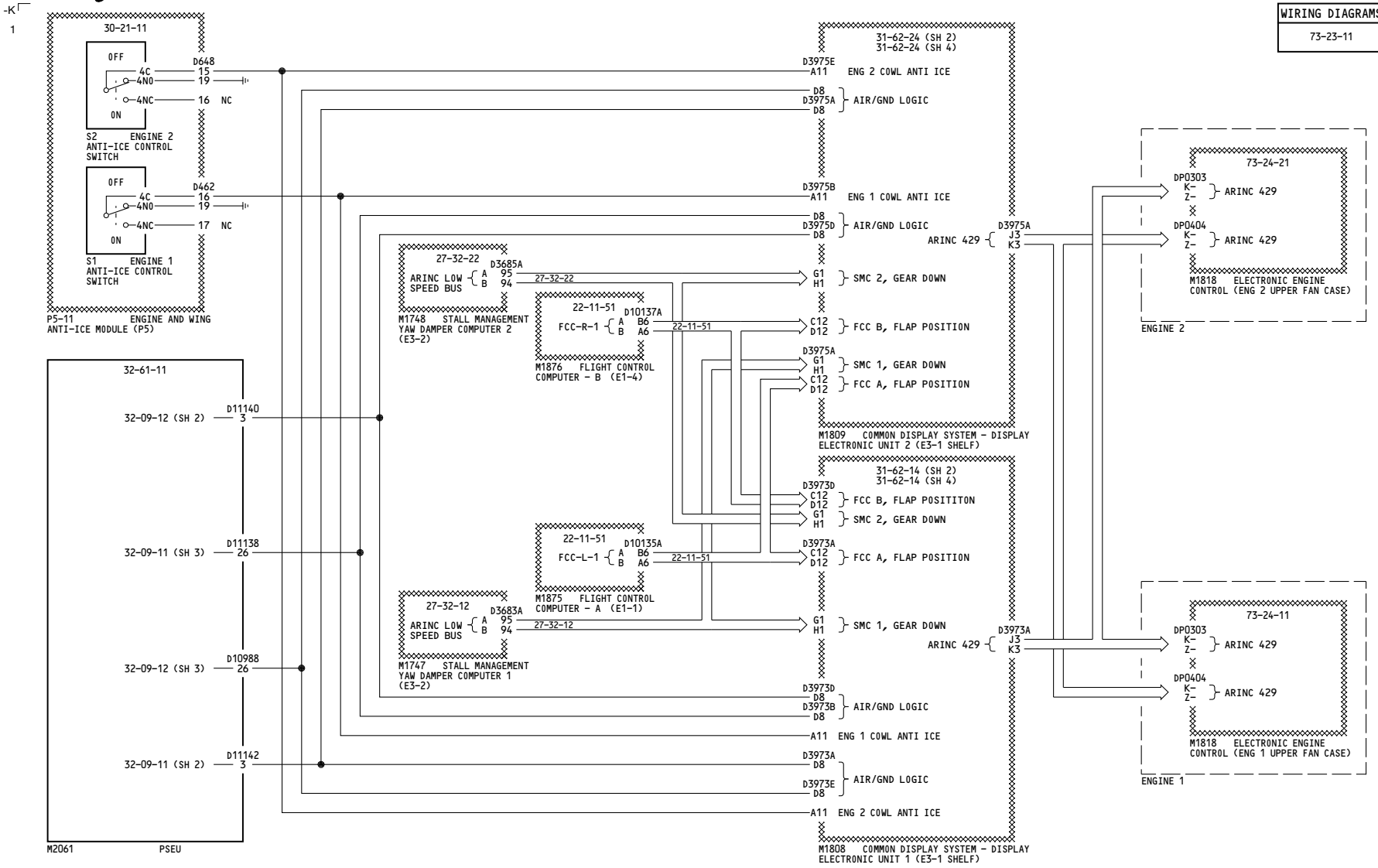


-A  
35

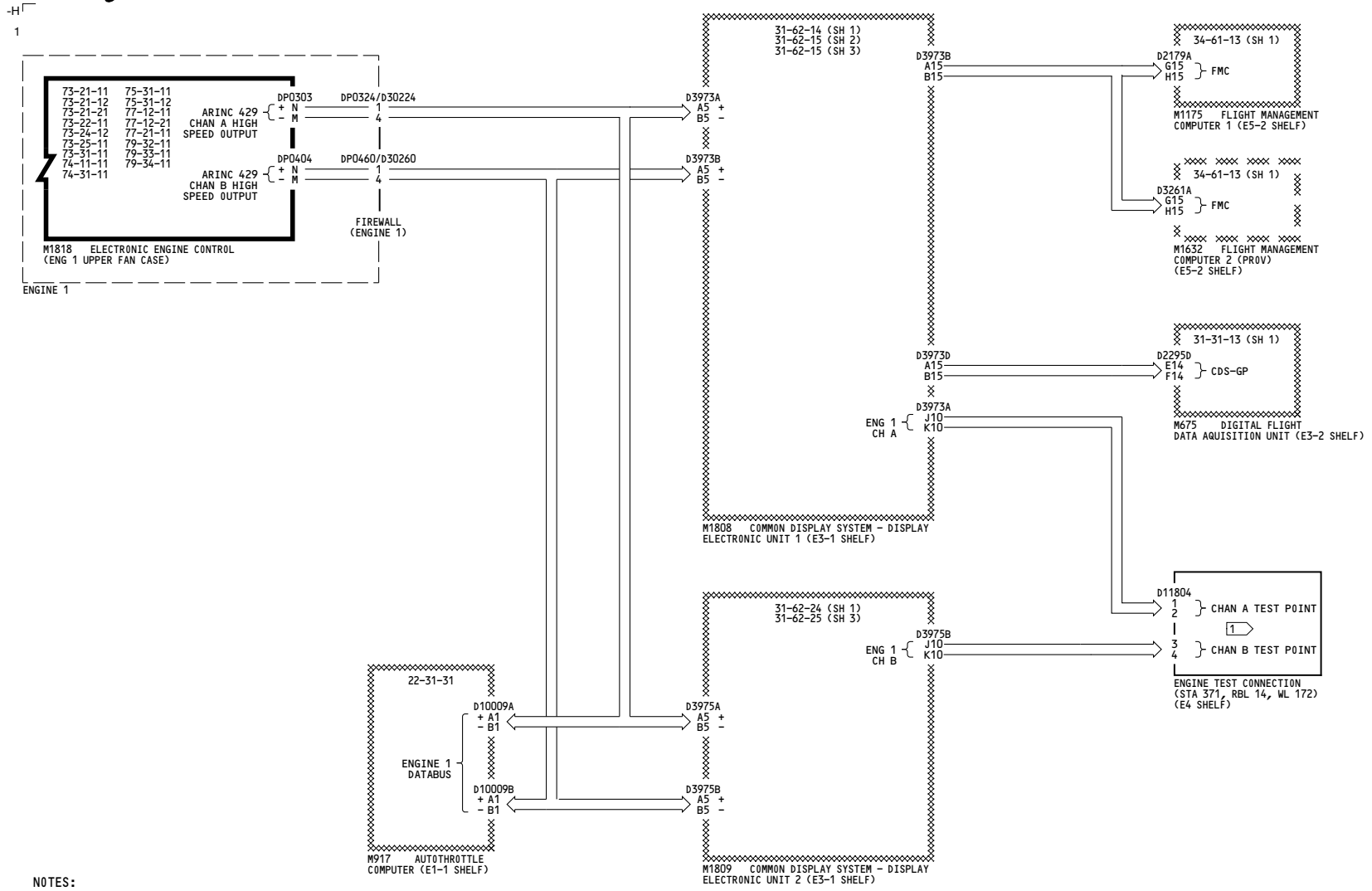


YK910-YK920, YL421-YM670	<b>ENGINE RUNNING CONTROL</b>
D280A203	

**73-22-31**



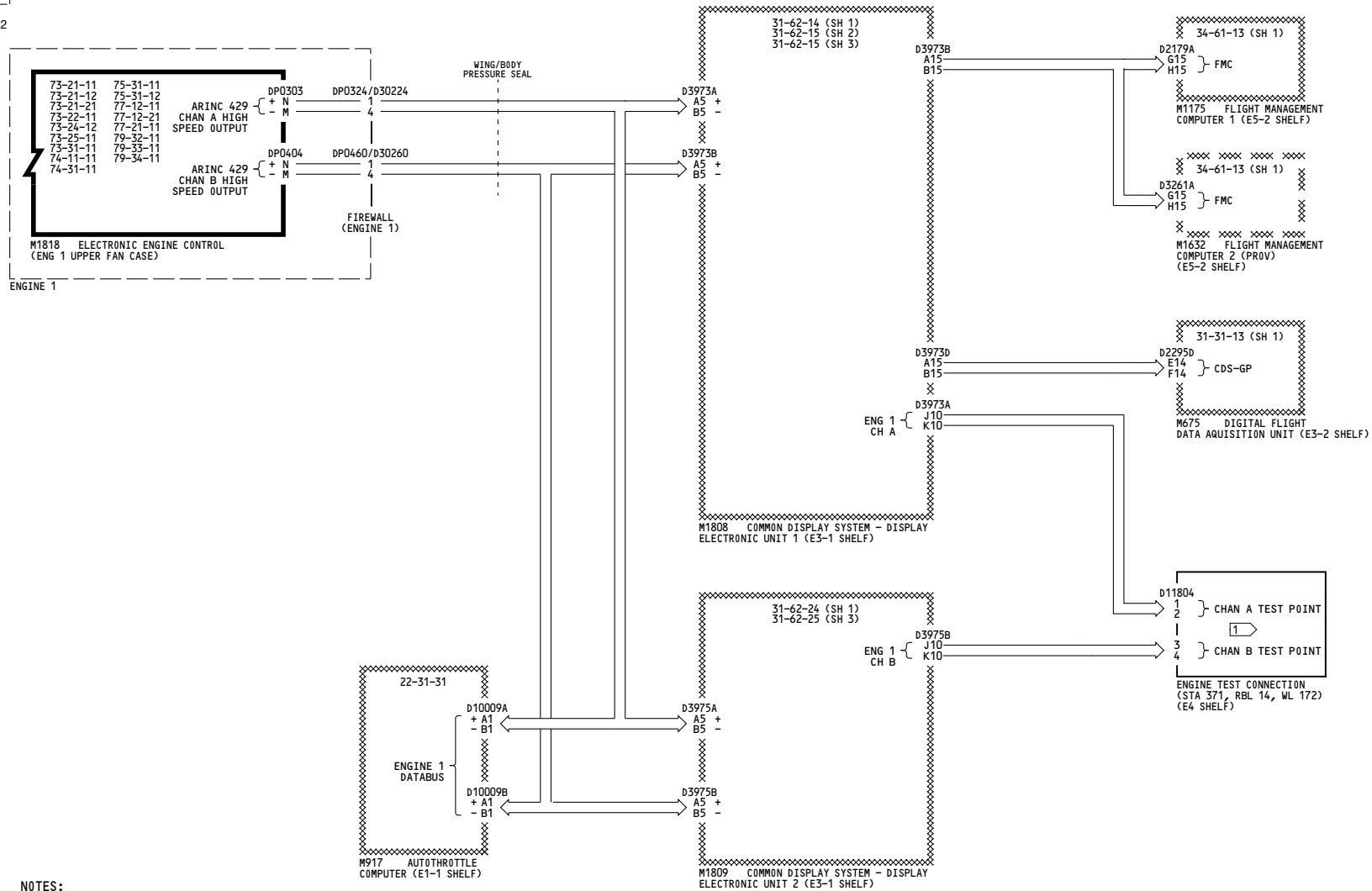
ALL	<b>ENGINE IDLE CONTROL</b>
	D280A203



NOTES:  
 1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

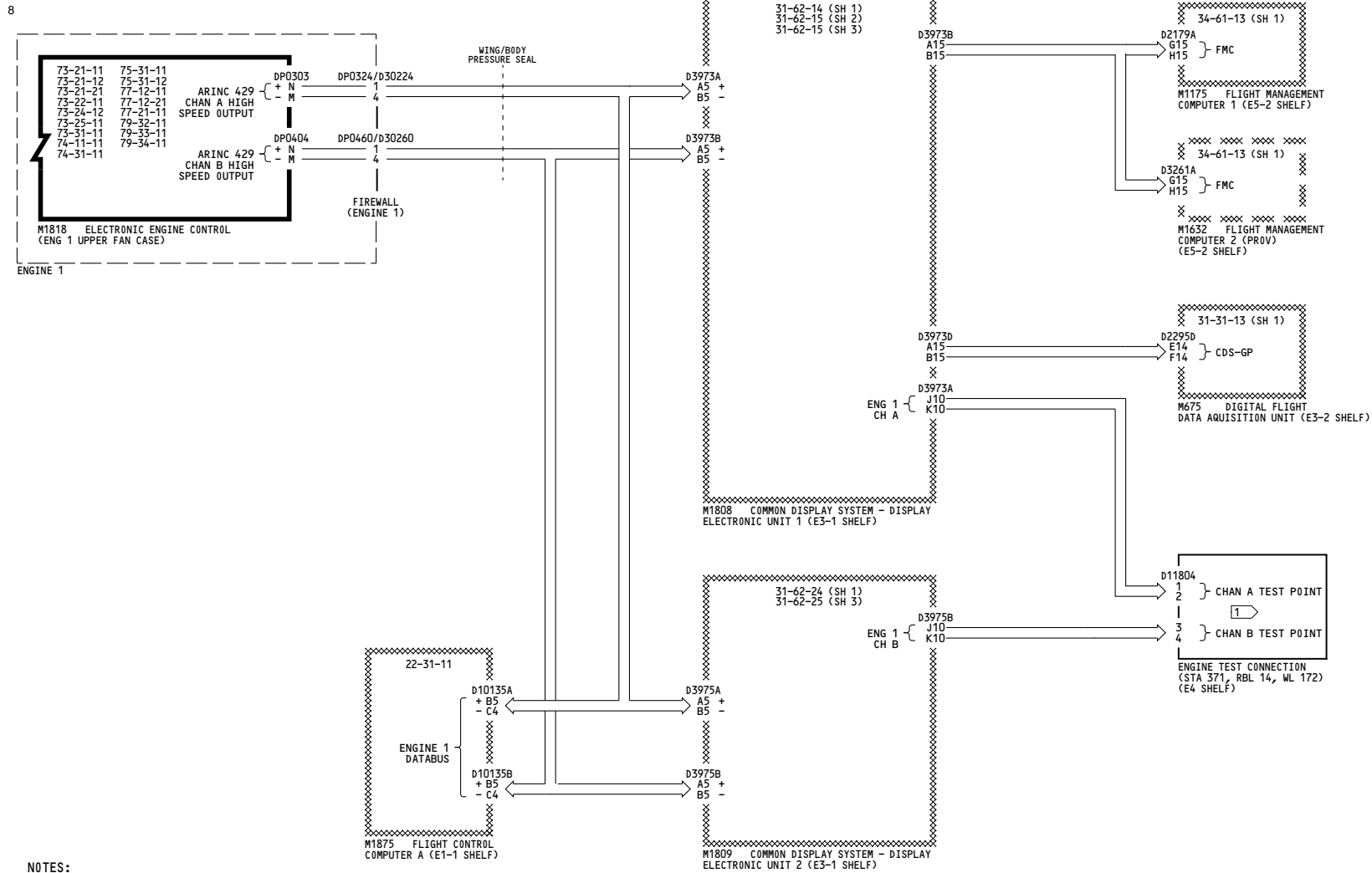
YC001-YC007	<b>ENGINE 1 DATABUS OUTPUT</b>
	D280A203





**NOTES:**  
 1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

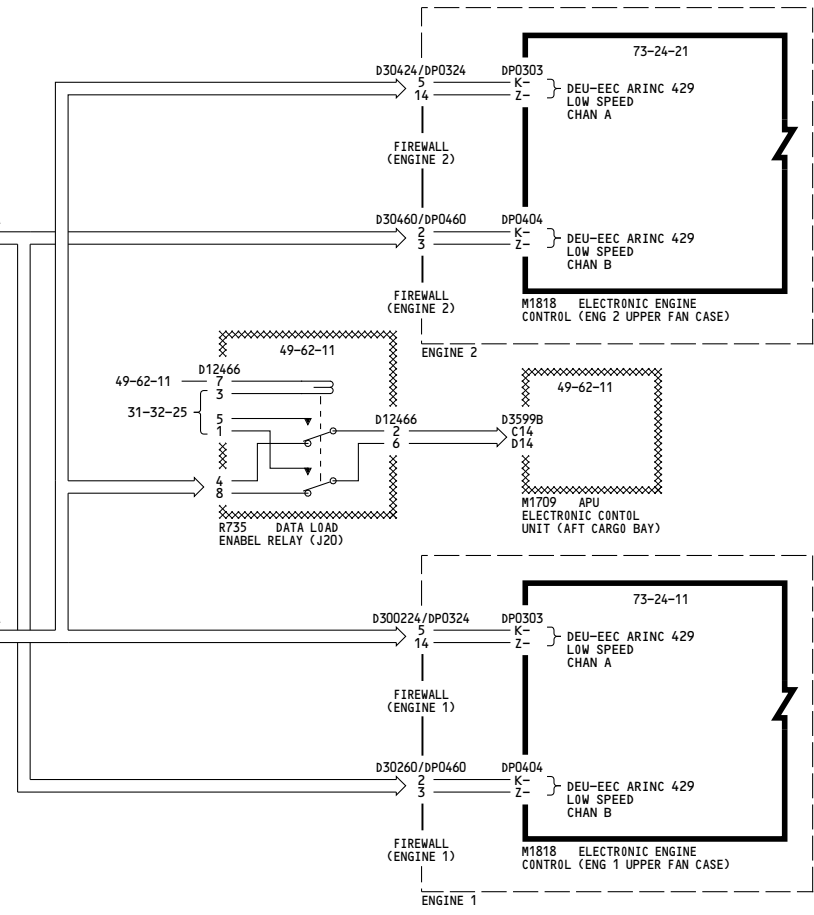
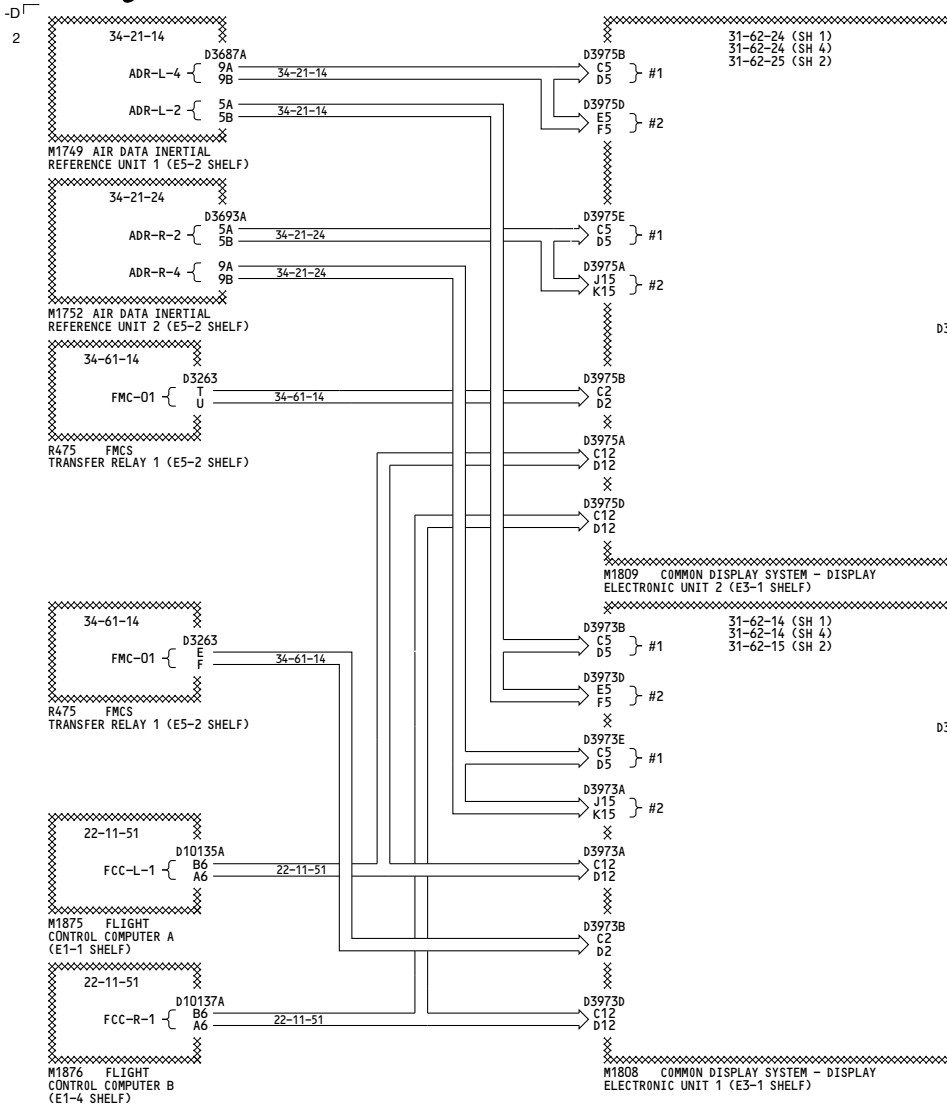
YC008-YC030	<b>ENGINE 1 DATABUS OUTPUT</b>
	D280A203



NOTES:

1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

YC031-YM670	<b>ENGINE 1 DATABUS OUTPUT</b>
	D280A203

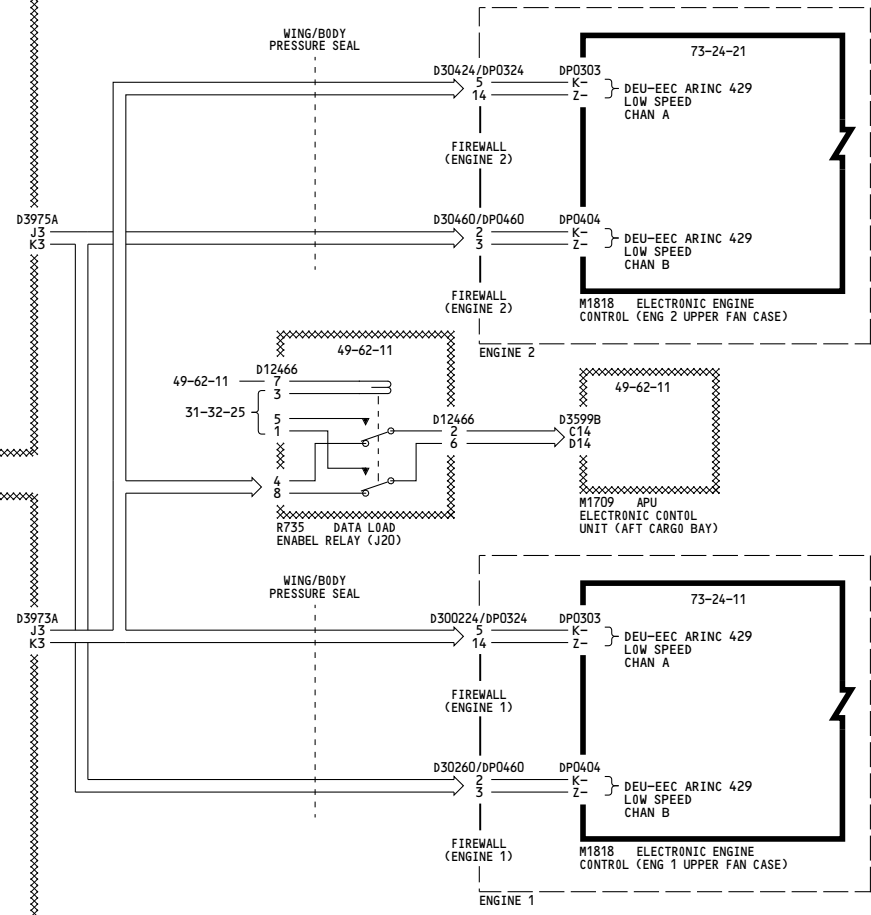
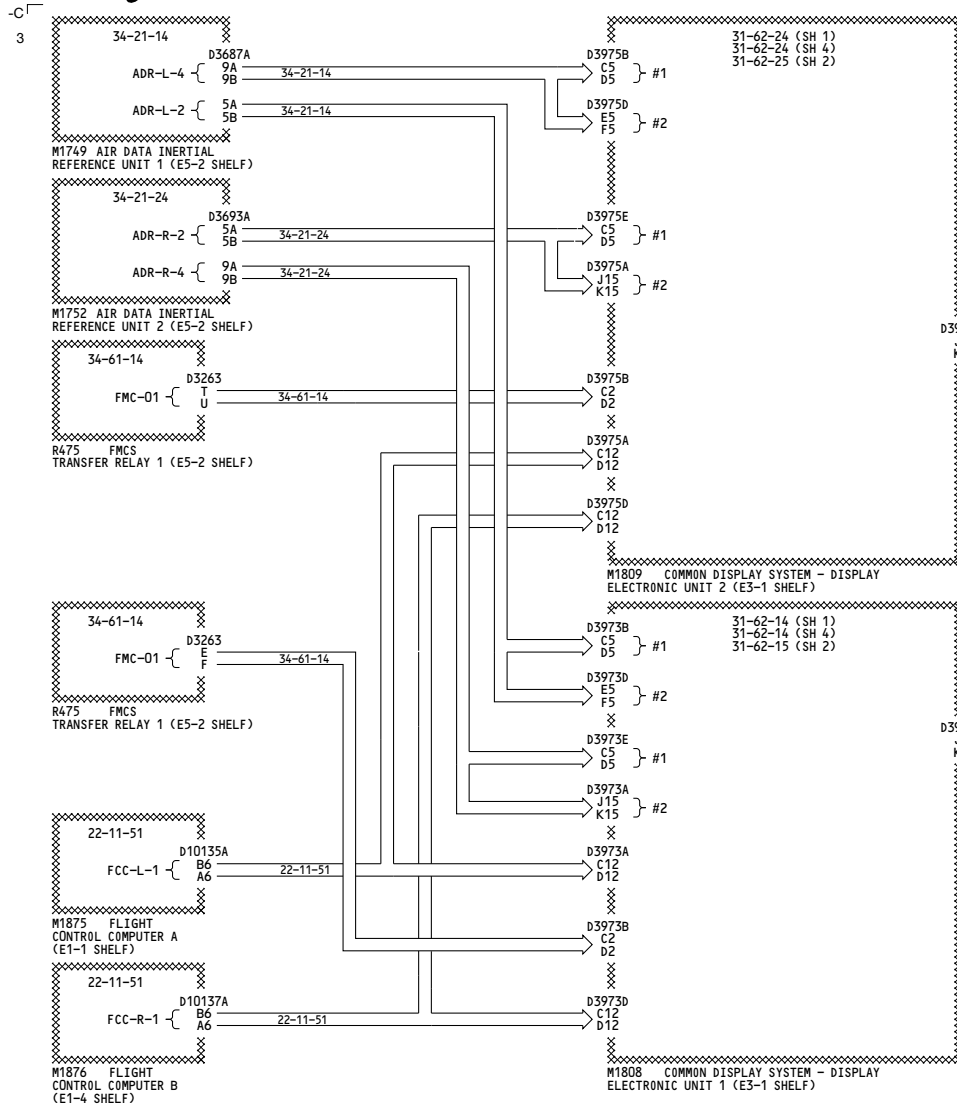


YC001-YC007

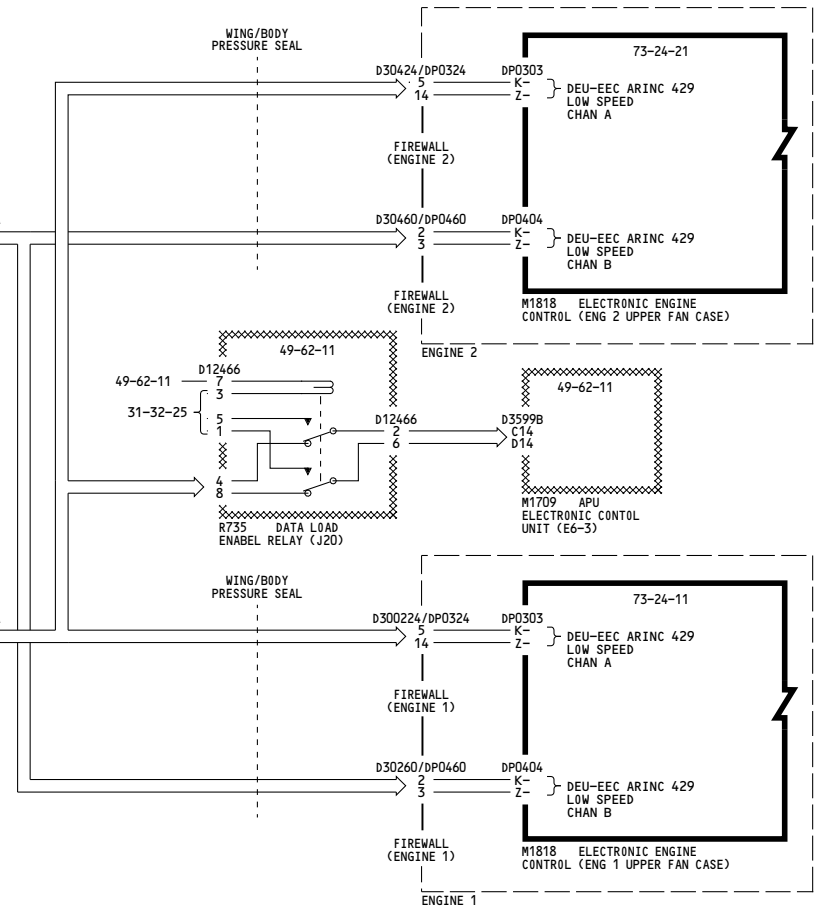
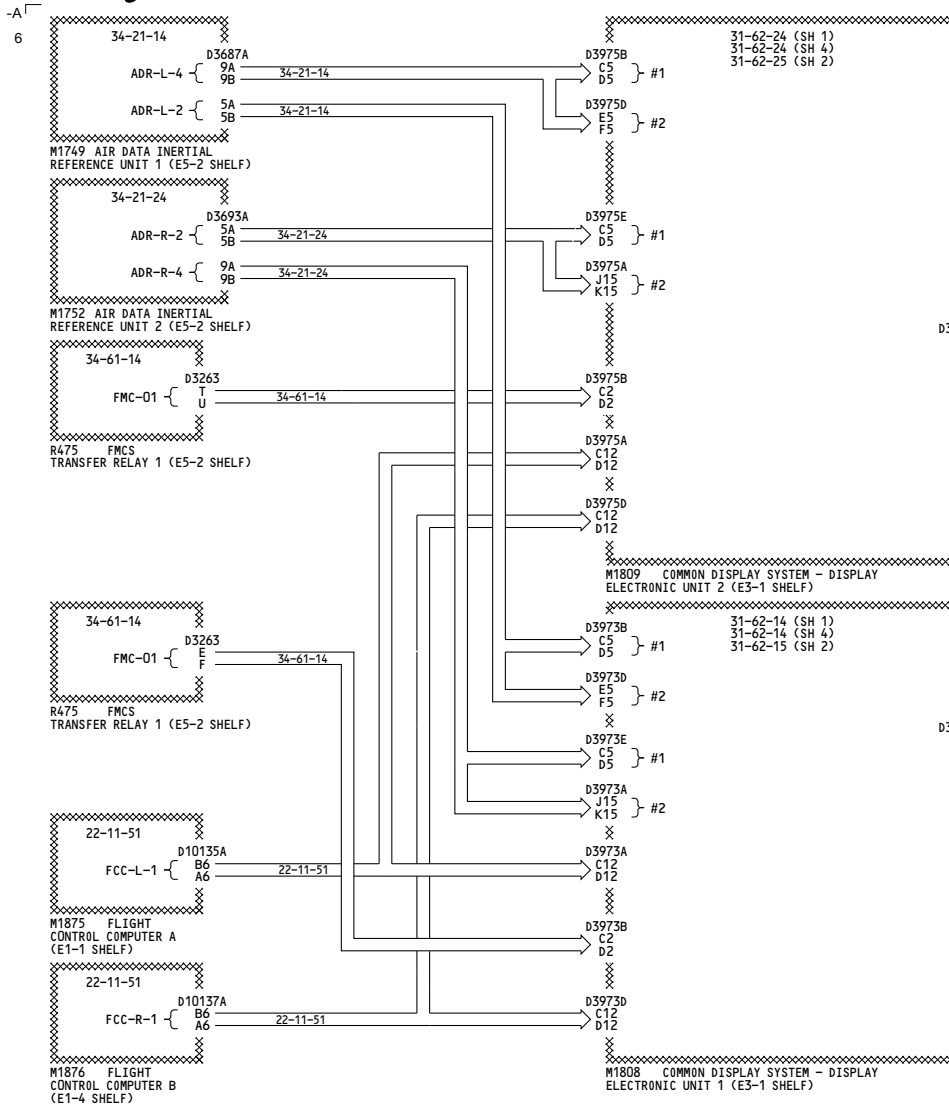
ENGINE DATABUS INPUT

D280A203

73-24-12



YC008-YL430	<b>ENGINE DATABUS INPUT</b>
	D280A203

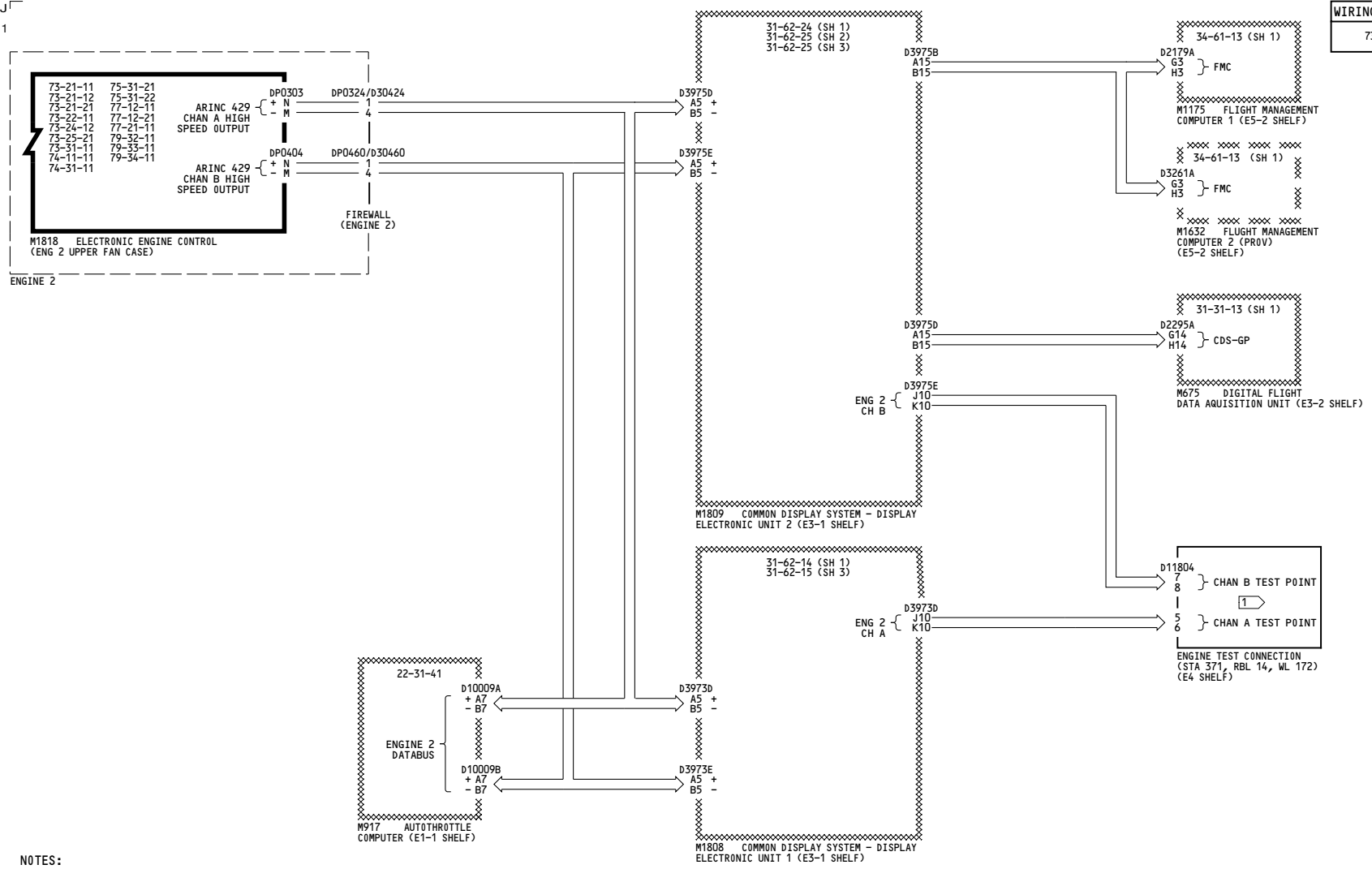


YM643-YM670

ENGINE DATABUS INPUT

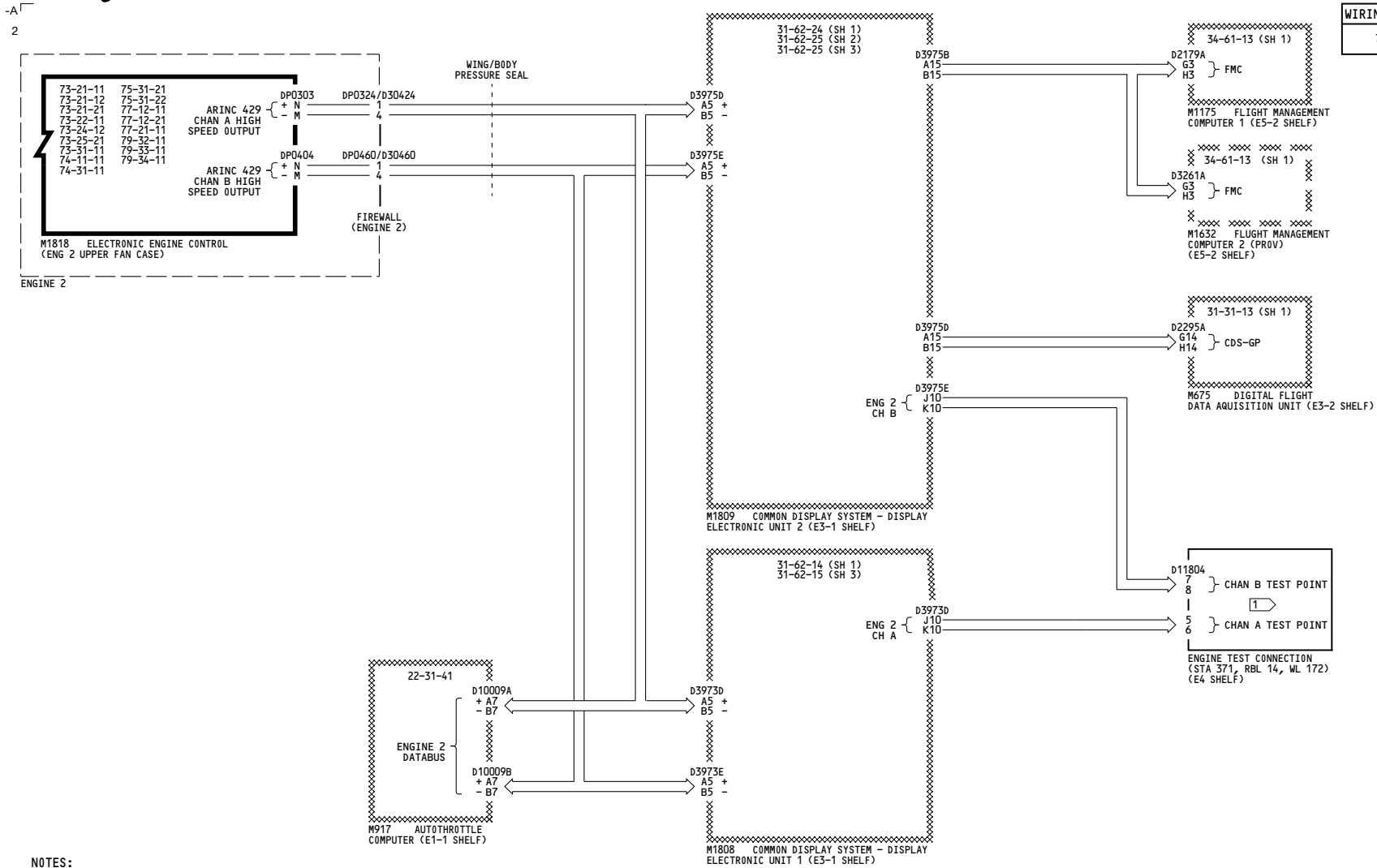
D280A203

73-24-12



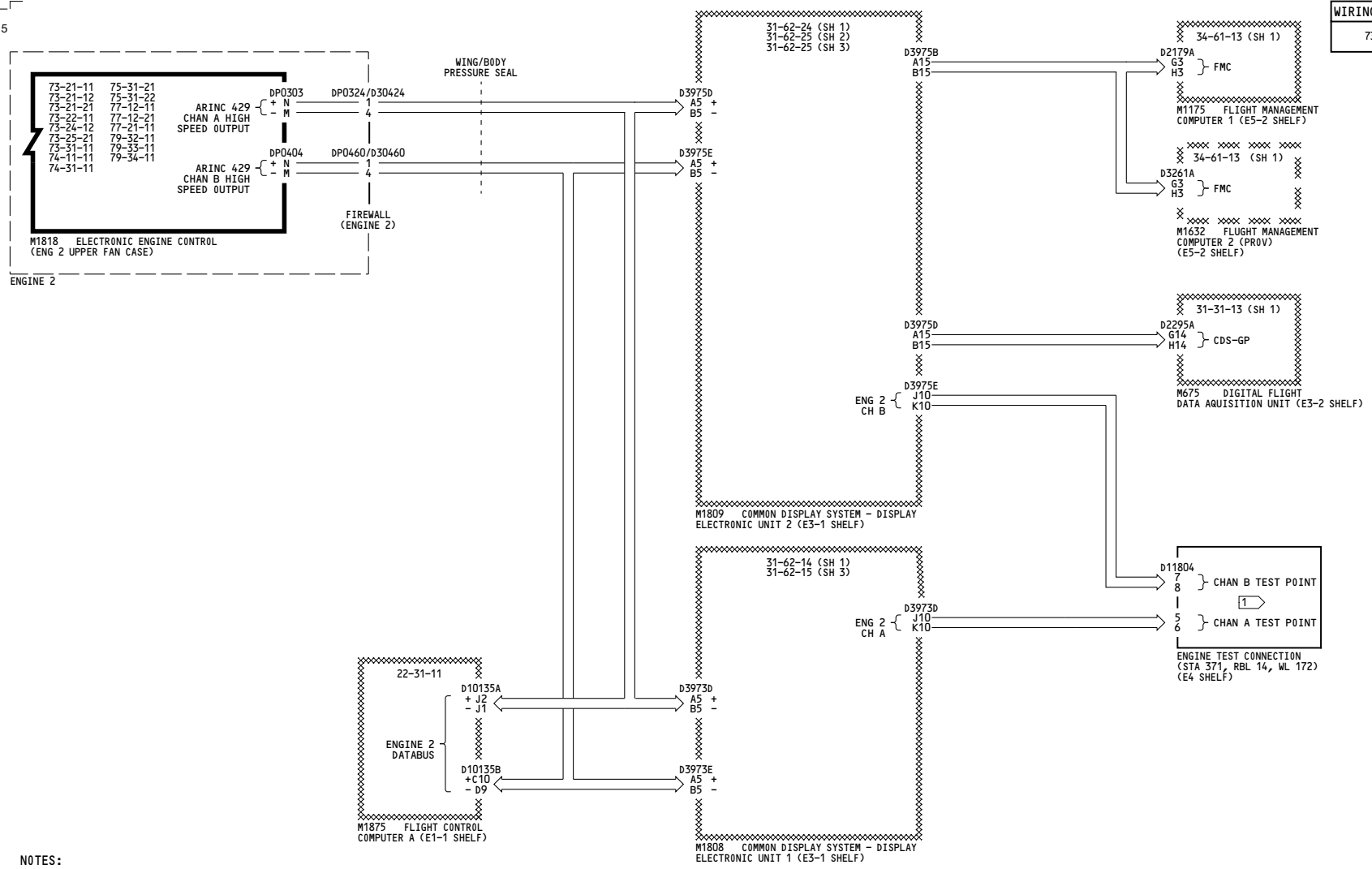
**NOTES:**  
 1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

YCO01-YCO07	<p align="center"><b>ENGINE 2 DATABUS OUTPUT</b></p> <p align="center">D280A203</p>
-------------	---



NOTES:  
 1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

YC008-YC030	<p align="center"><b>ENGINE 2 DATABUS OUTPUT</b></p> <p align="center">D280A203</p>
-------------	---

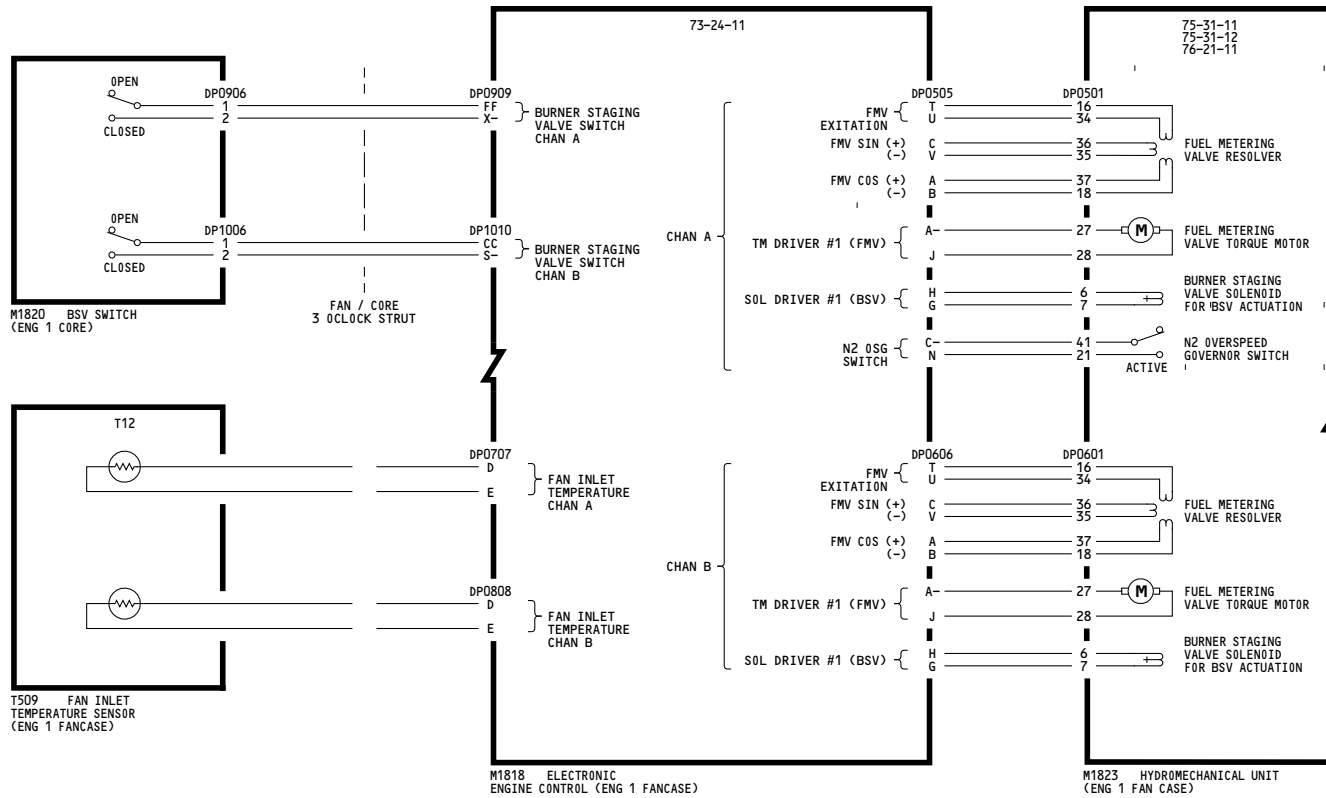


**NOTES:**  
 1 TEST POINT FOR DATA ACQUISITION FOR ENGINE AND ELECTRONIC ENGINE CONTROL PARAMETERS

YC031-YM670	<p align="center"><b>ENGINE 2 DATABUS OUTPUT</b></p> <p align="center">D280A203</p>
-------------	---



1



NOTES:  
1 SINGLE ANNULAR COMBUSTOR CONFIGURATION

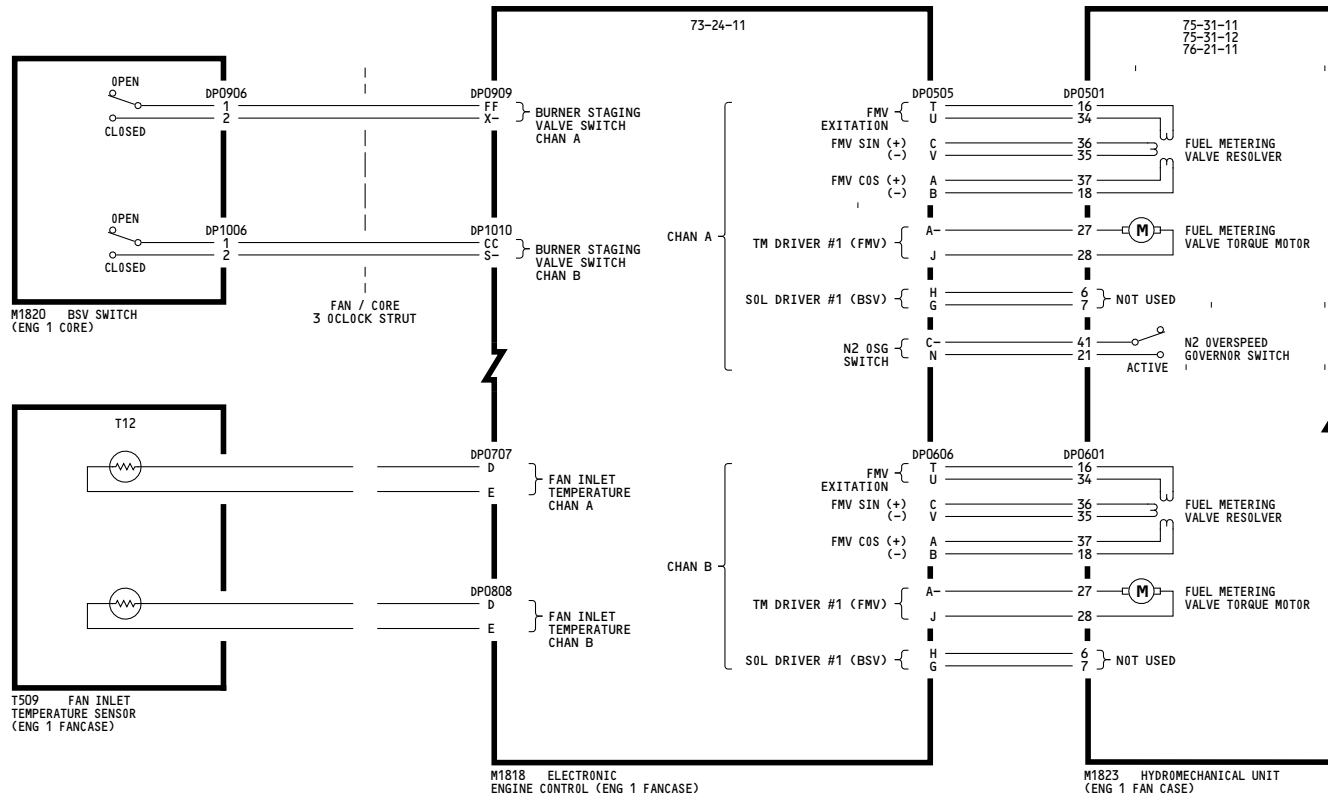
YC001-YC016	<b>ENGINE 1 FUEL CONTROL</b>
	D280A203

**73-25-11**

Page 101

Apr 18/2006

-A  
3



**NOTES:**

1 SINGLE ANNULAR COMBUSTER CONFIGURATION

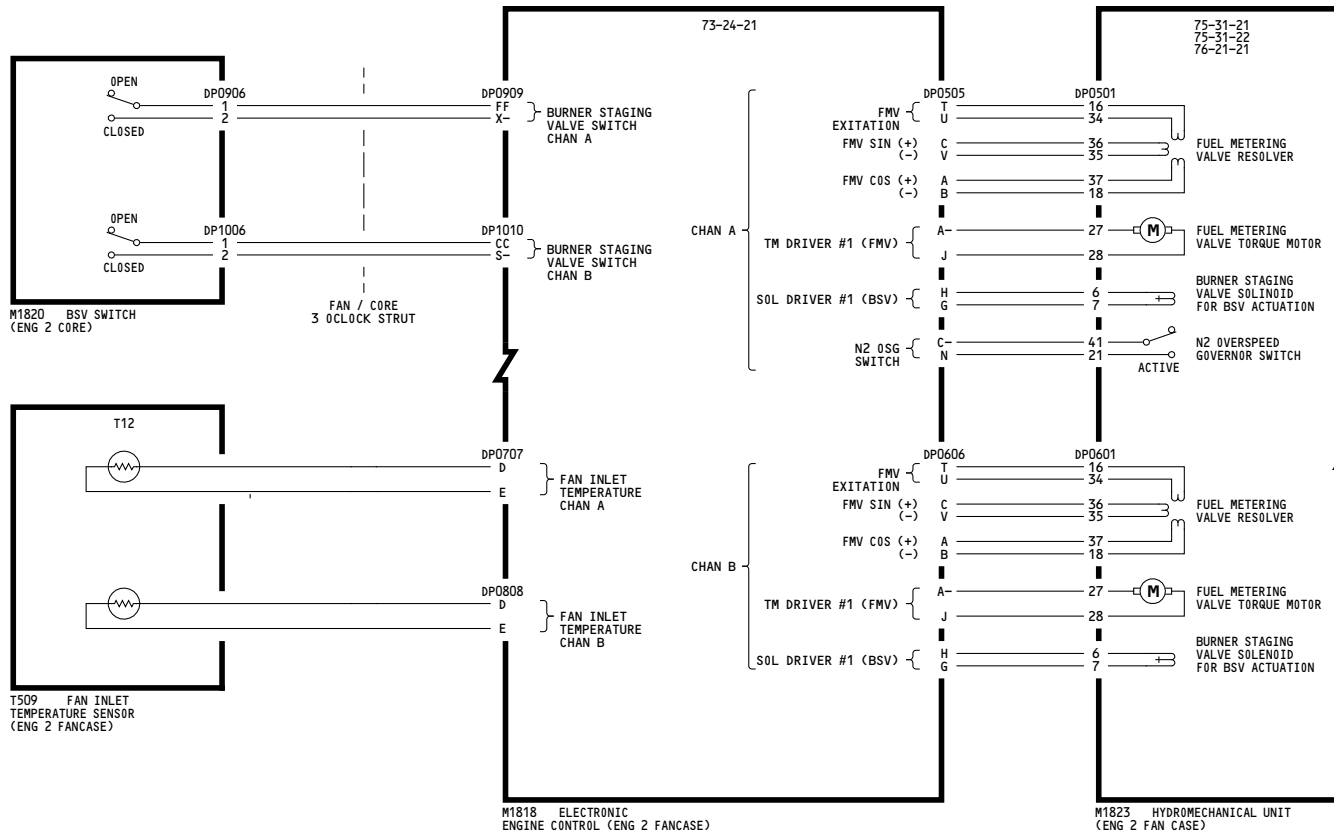
YC017-YM670	<b>ENGINE 1 FUEL CONTROL</b>
D280A203	

**73-25-11**

Page 102

Feb 09/2009

-H  
1



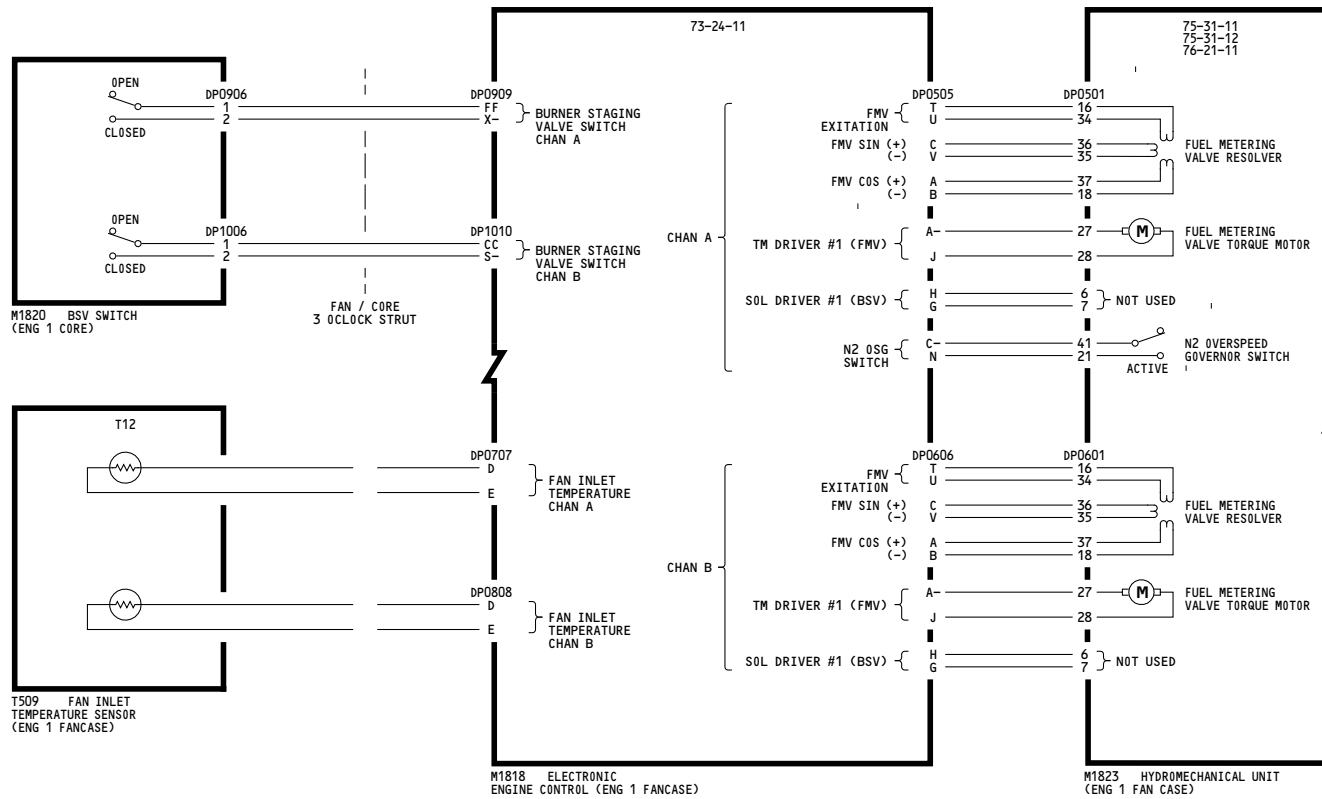
NOTES:  
1 SINGLE ANNULAR COMBUSTER CONFIGURATION

YC001-YC016	<p align="center"><b>ENGINE 2 FUEL CONTROL</b></p> <p align="center">D280A203</p>
-------------	---

**73-25-21**

Page 101

Apr 18/2006

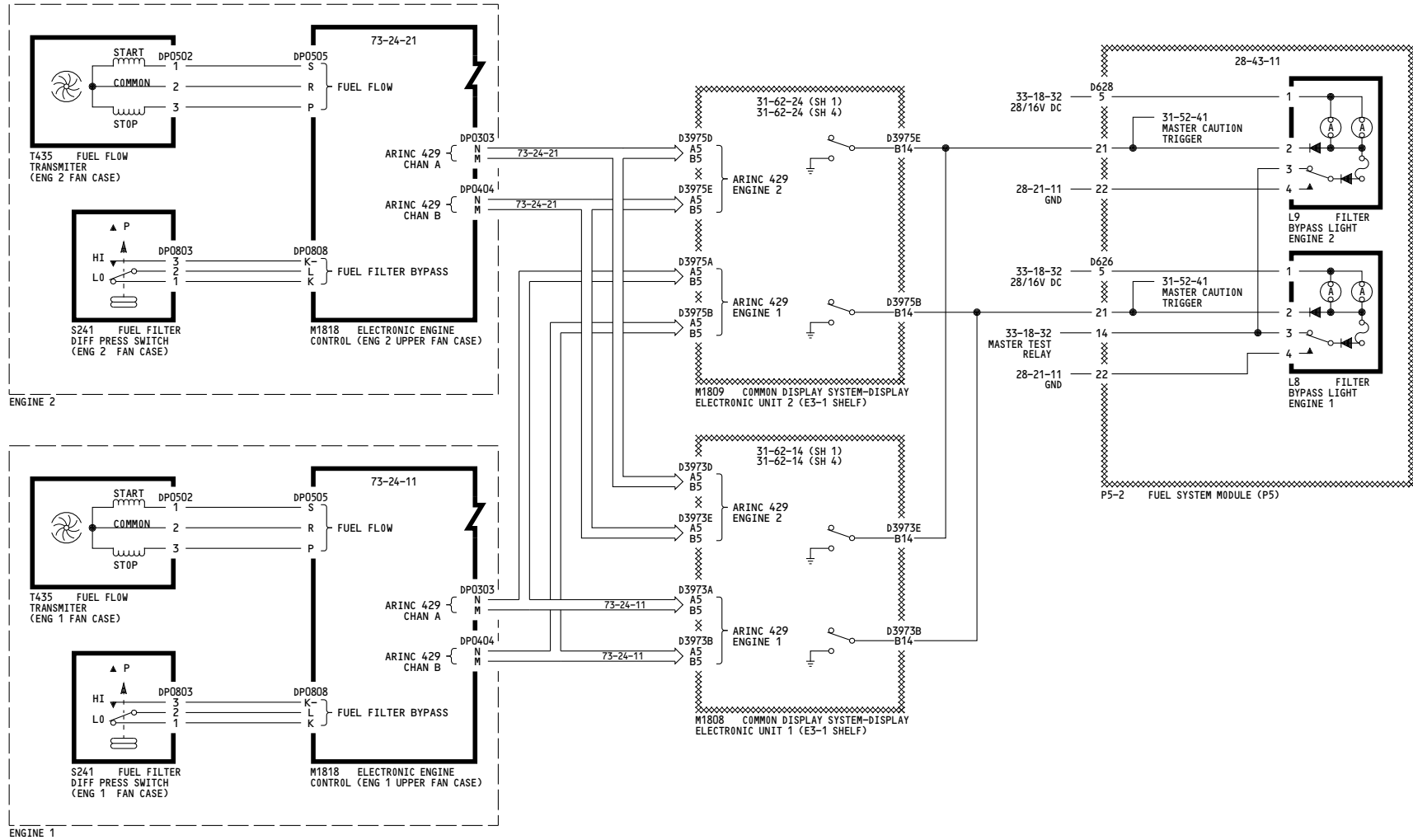


**NOTES:**

1 SINGLE ANNULAR COMBUSTER CONFIGURATION

YC017-YM670	<p align="center"><b>ENGINE 2 FUEL CONTROL</b></p> <p align="center">D280A203</p>
-------------	---

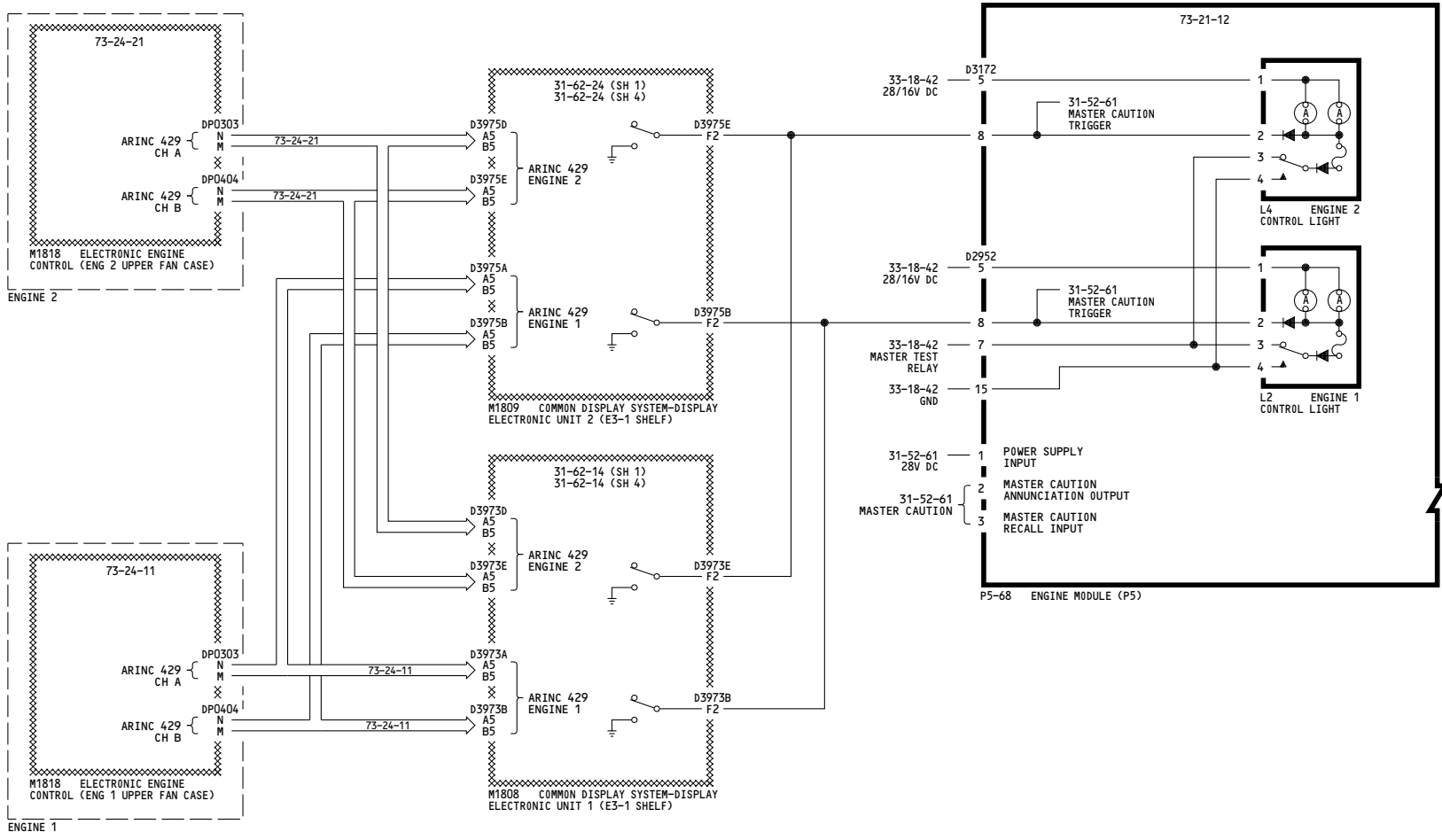
-E  
1



ALL	<p><b>ENGINE FUEL SYSTEM INDICATION</b></p> <p>D280A203</p>
-----	---

**73-31-11**

-E-  
1



ALL	<p><b>ENGINE CONTROL FAULT INDICATION</b></p> <p>D280A203</p>
-----	---