

CHAPTER

78

EXHAUST

CHAPTER 78
EXHAUST

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		2		BLANK					
78-ALPHABETICAL INDEX					78-36-22				
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A = Added, R = Revised, D = Deleted, O = Overflow

78-EFFECTIVE PAGES

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**CHAPTER 78
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	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
	<u>THRUST REVERSER SYSTEM</u>						
I	ENGINE THRUST REVERSER GENERAL SYSTEM FUNCTION	78-31-00		101		Jun 21/2016	ALL
I	ENGINE 1 THRUST REVERSER SYNCHRONOUS SHAFT LOCKS	78-32-51		101		Jun 21/2016	ALL
I	ENGINE 2 THRUST REVERSER SYNCHRONOUS SHAFT LOCKS	78-32-61		101		Jun 21/2016	ALL
	<u>THRUST REVERSER CONTROL SYSTEM</u>						
I	ENGINE 1 THRUST REVERSER CONTROL	78-34-11		101		Jun 21/2016	ALL
I	ENGINE 2 THRUST REVERSER CONTROL	78-34-21		101		Jun 21/2016	ALL
	<u>ENGINE THRUST REVERSER POSITION / THRUST LEVER INTERLOCK</u>						
I	ENGINE 1 THRUST REVERSER POSITION / THRUST LEVER INTERLOCK	78-35-11		101		Jun 21/2016	ALL
I	ENGINE 2 THRUST REVERSER POSITION / THRUST LEVER INTERLOCK	78-35-21		101		Jun 21/2016	ALL
	<u>THRUST REVERSER INDICATING SYSTEM</u>						
I	ENGINE 1 THRUST REVERSER FLIGHT DECK INDICATION	78-36-11		101		Jun 21/2016	ALL
I	ENGINE 1 THRUST REVERSER MAINTENANCE INDICATION	78-36-12		101		Jun 21/2016	ALL
I	ENGINE 2 THRUST REVERSER FLIGHT DECK INDICATION	78-36-21		101		Jun 21/2016	ALL
I	ENGINE 2 THRUST REVERSER MAINTENANCE INDICATION	78-36-22		101		Jun 21/2016	ALL

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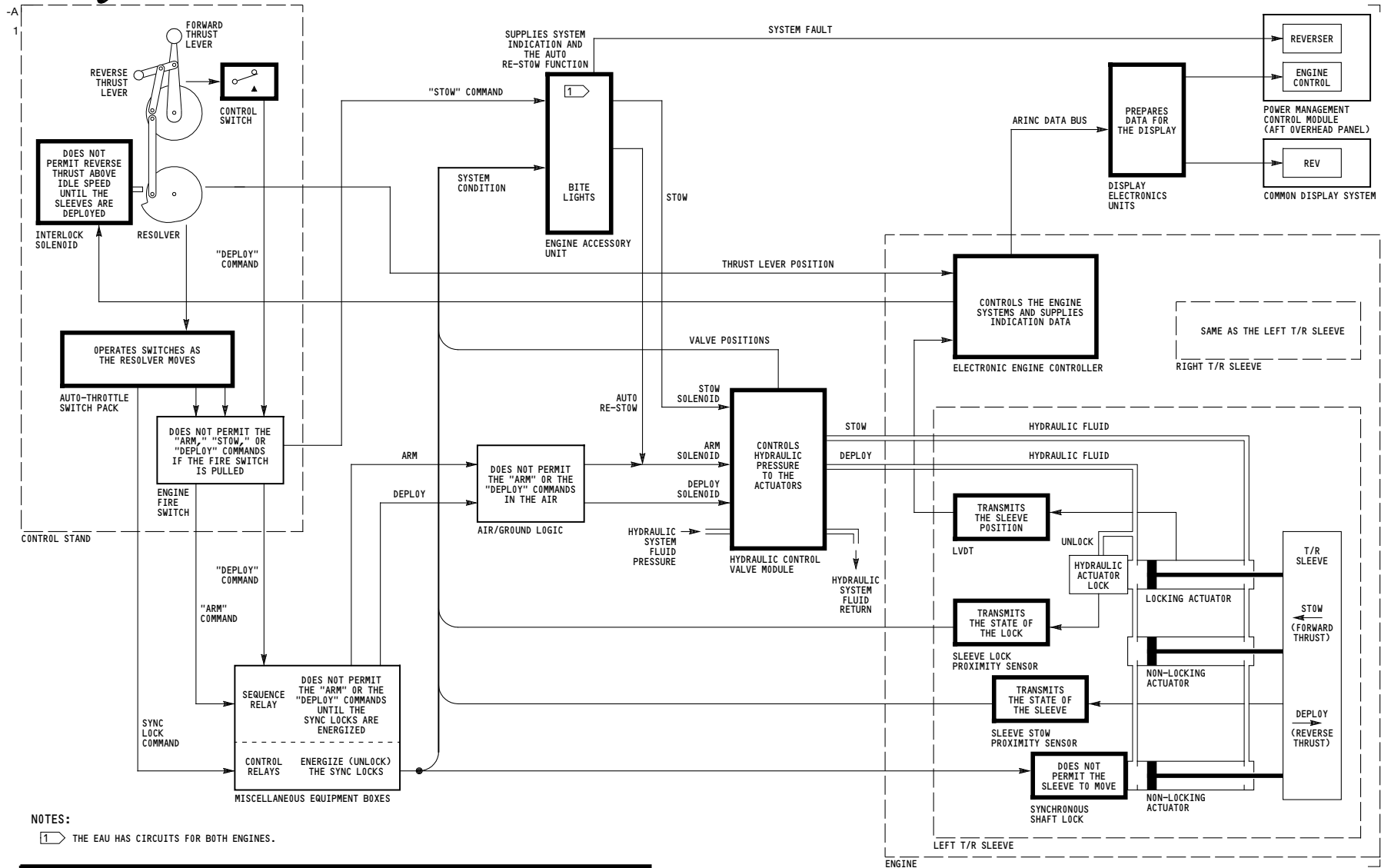
CH-SC-SU	Title
78-34-11	ENGINE 1 THRUST REVERSER CONTROL
78-36-11	ENGINE 1 THRUST REVERSER FLIGHT DECK INDICATION
78-36-12	ENGINE 1 THRUST REVERSER MAINTENANCE INDICATION
78-35-11	ENGINE 1 THRUST REVERSER POSITION / THRUST LEVER INTERLOCK
78-32-51	ENGINE 1 THRUST REVERSER SYNCHRONOUS SHAFT LOCKS
78-34-21	ENGINE 2 THRUST REVERSER CONTROL
78-36-21	ENGINE 2 THRUST REVERSER FLIGHT DECK INDICATION
78-36-22	ENGINE 2 THRUST REVERSER MAINTENANCE INDICATION
78-35-21	ENGINE 2 THRUST REVERSER POSITION / THRUST LEVER INTERLOCK
78-32-61	ENGINE 2 THRUST REVERSER SYNCHRONOUS SHAFT LOCKS
78-31-00	ENGINE THRUST REVERSER GENERAL SYSTEM FUNCTION

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ALL ENGINE THRUST REVERSER GENERAL SYSTEM FUNCTION

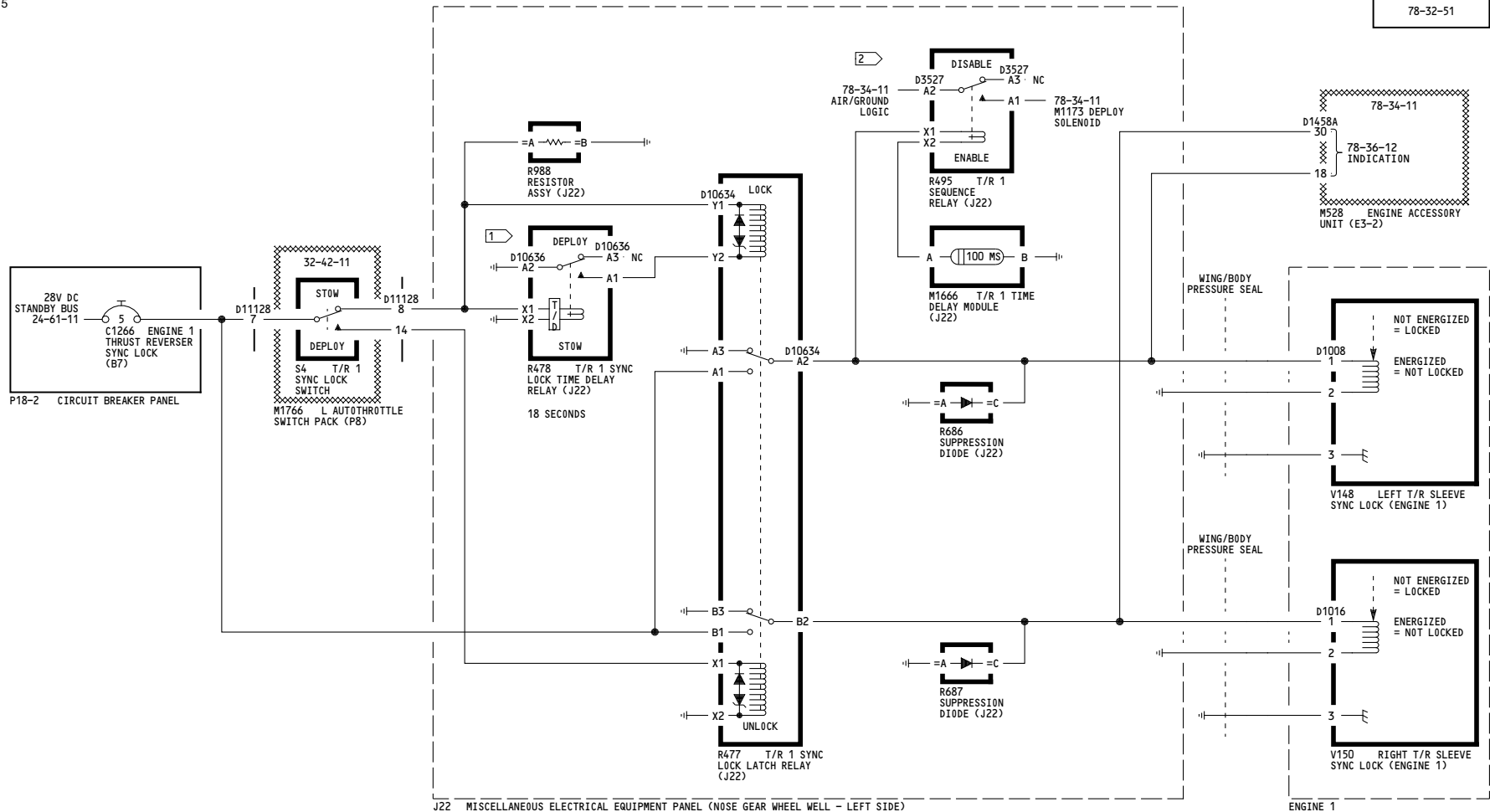
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NOTES:

- 1 THE 18 SECOND TIME DELAY PERMITS THE THRUST REVERSER SLEEVES TO CLOSE BEFORE THE SYNC LOCKS DE-ENERGIZE AND LOCK.
- 2 THE 100 MS TIME DELAY PERMITS THE SYNC LOCK TO UNLOCK BEFORE THE DEPLOY VALVE OPENS.

ALL

**ENGINE 1 THRUST REVERSER
SYNCHRONOUS SHAFT LOCKS**

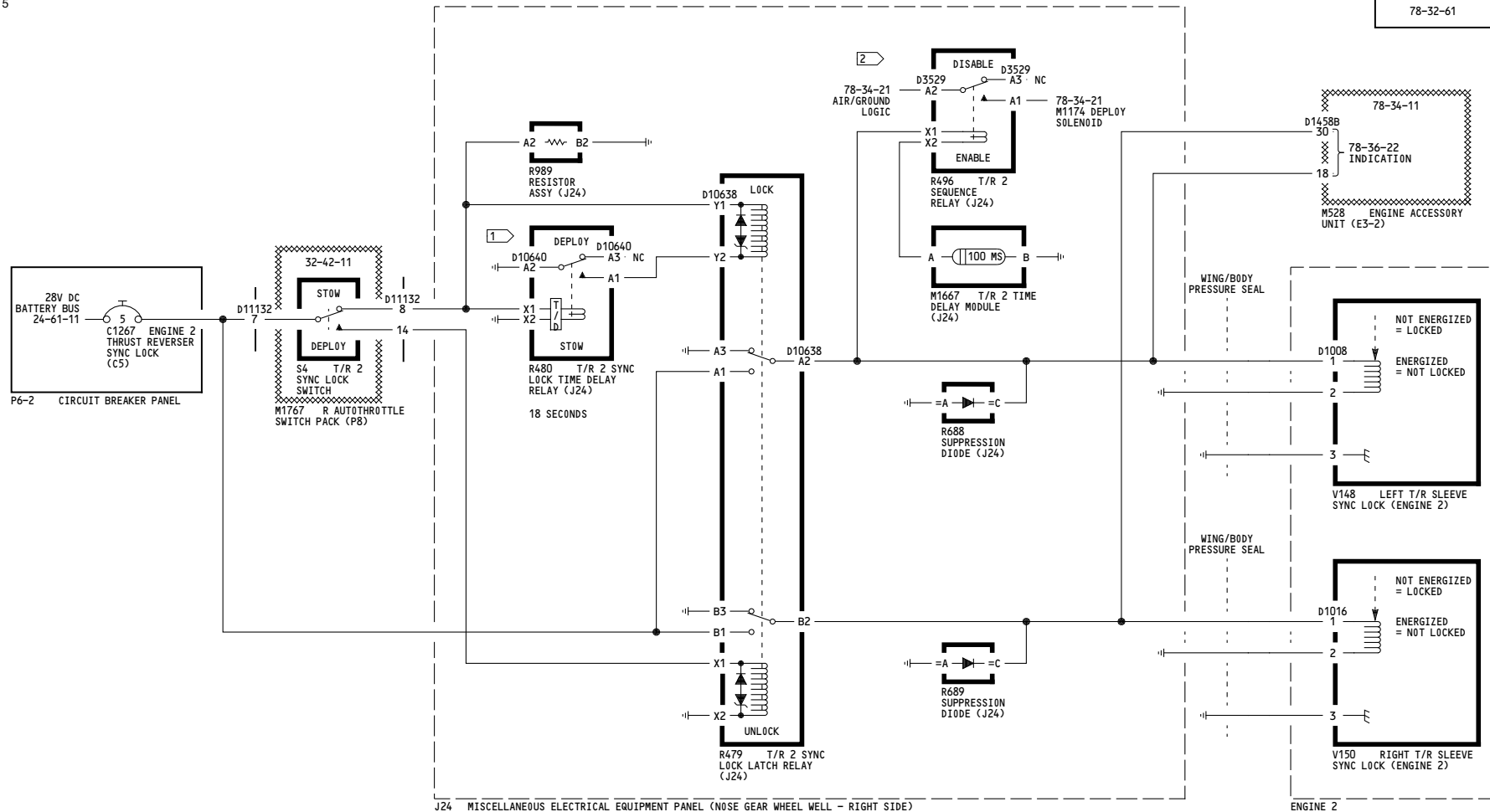
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78-32-51

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NOTES:

- 1 THE 18 SECOND TIME DELAY PERMITS THE THRUST REVERSER SLEEVES TO CLOSE BEFORE THE SYNC LOCKS DE-ENERGIZE AND LOCK.
- 2 THE 100 MS TIME DELAY PERMITS THE SYNC LOCK TO UNLOCK BEFORE THE DEPLOY VALVE OPENS.

ALL

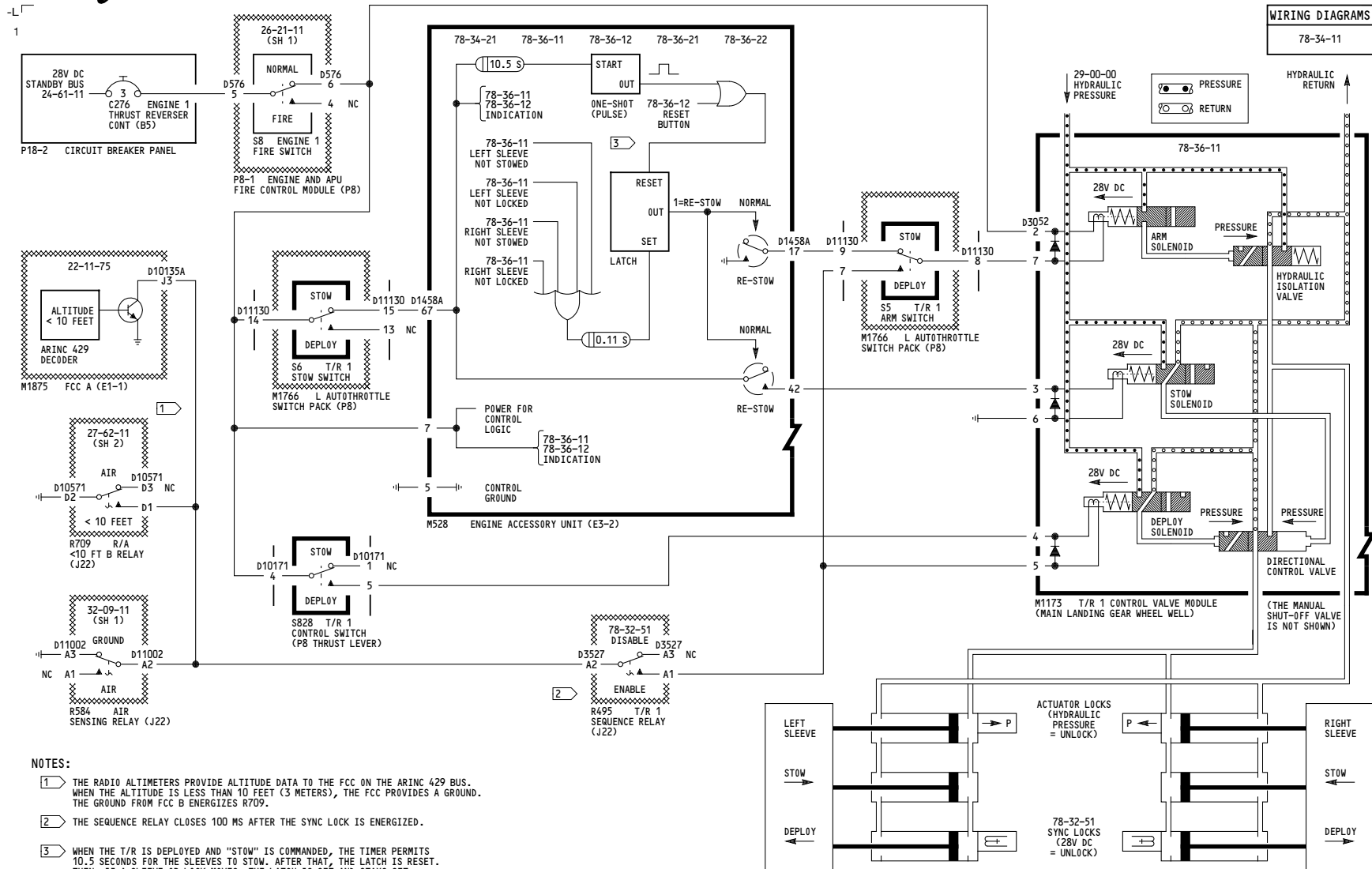
**ENGINE 2 THRUST REVERSER
SYNCHRONOUS SHAFT LOCKS**

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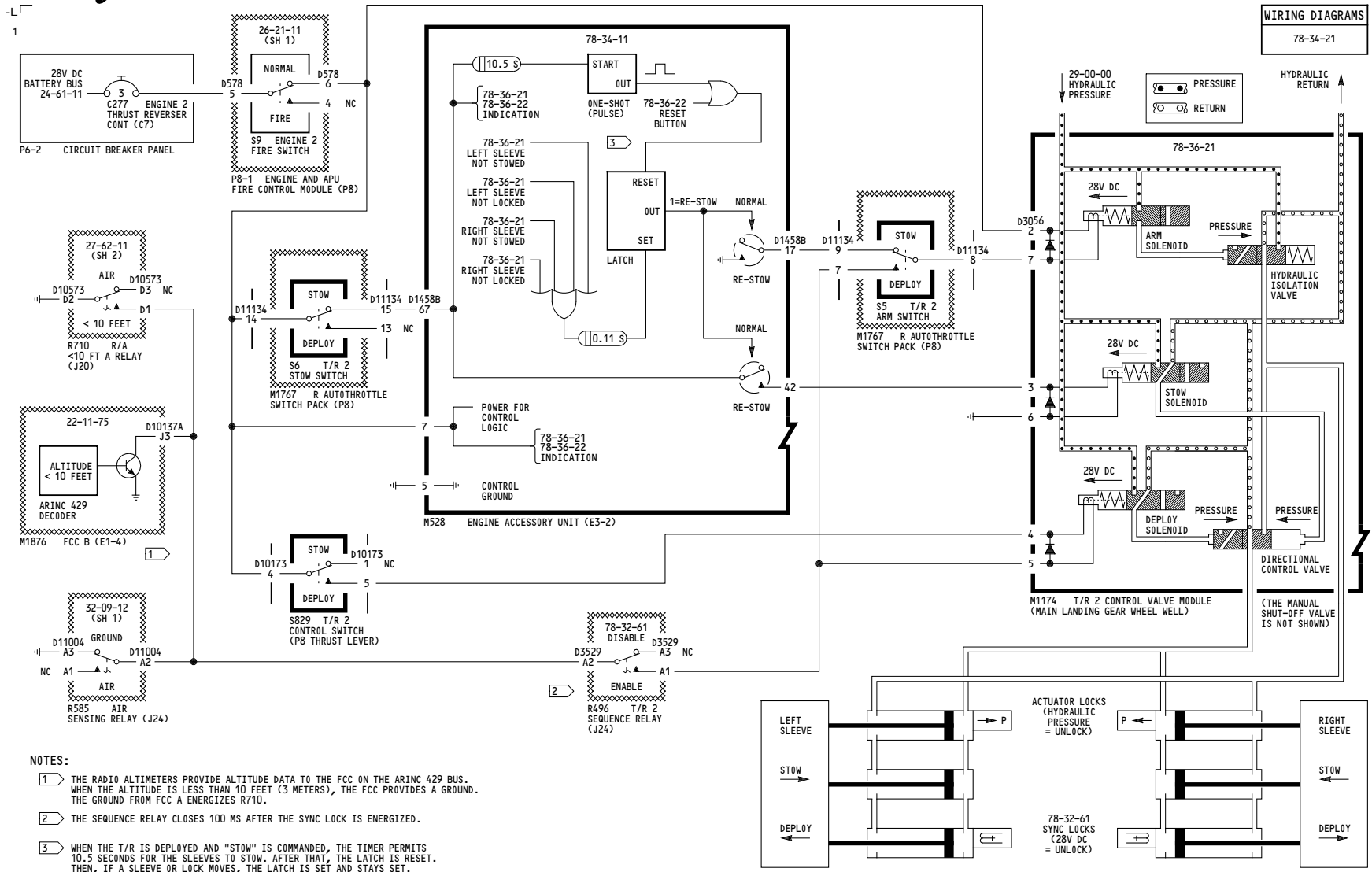


ALL	ENGINE 1 THRUST REVERSER CONTROL
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78-34-11

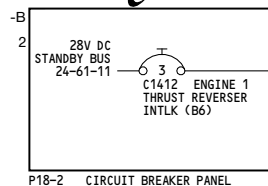
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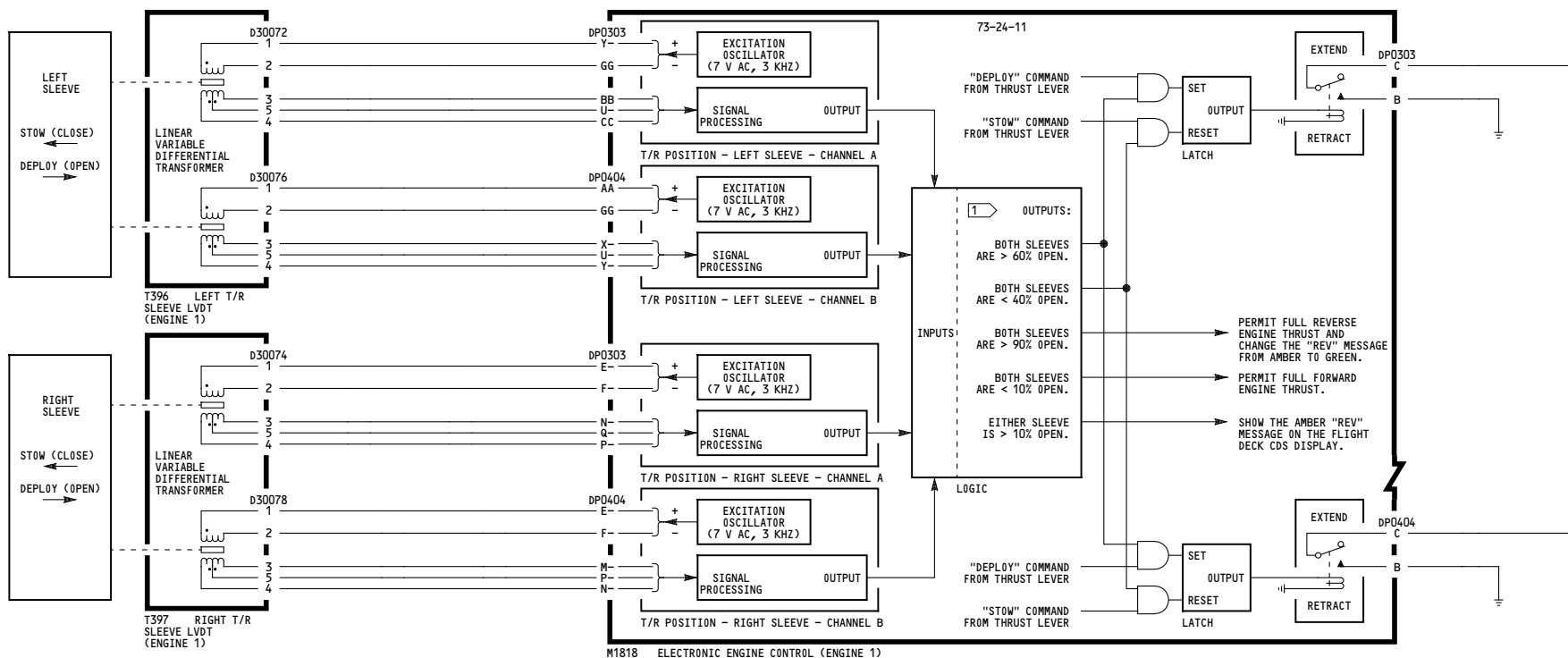
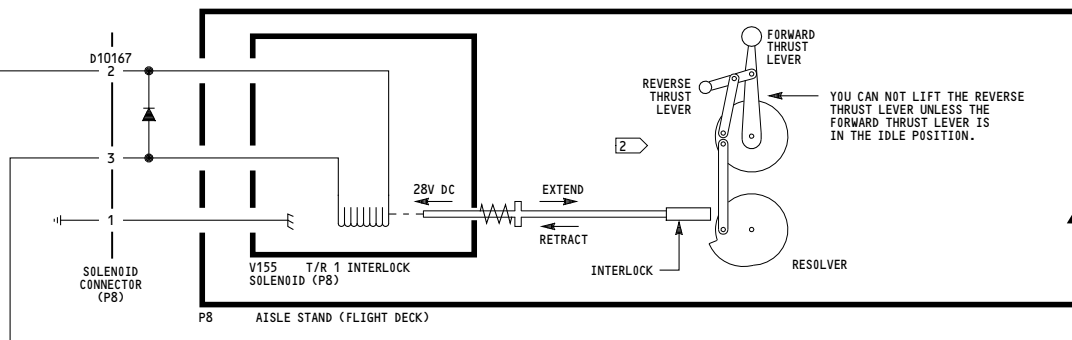
ALL	ENGINE 2 THRUST REVERSER CONTROL
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NOTES:

- 1 THE EEC ALSO SENDS THE THRUST REVERSER SLEEVE POSITION TO THE FLIGHT DATA RECORDER ON THE ARINC 429 BUS (73-24-11).
- 2 WHEN THE INTERLOCK IS EXTENDED, YOU CAN DEPLOY THE THRUST REVERSER, BUT YOU CAN NOT INCREASE THE THRUST ABOVE IDLE SPEED.



ALL

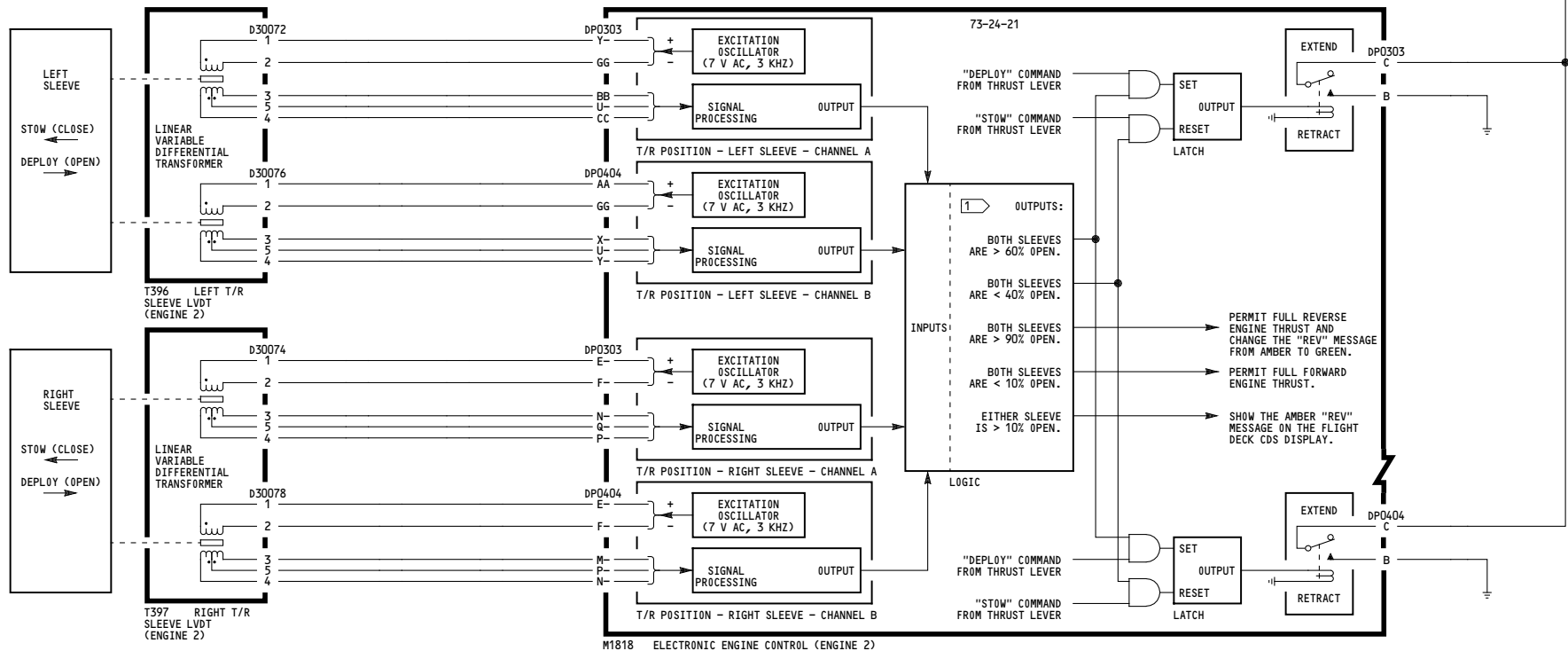
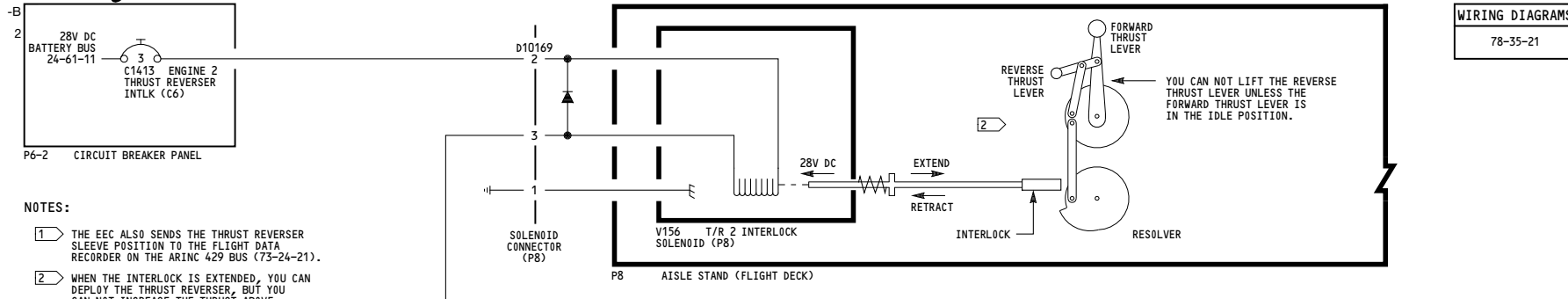
**ENGINE 1 THRUST REVERSER
POSITION / THRUST LEVER
INTERLOCK**

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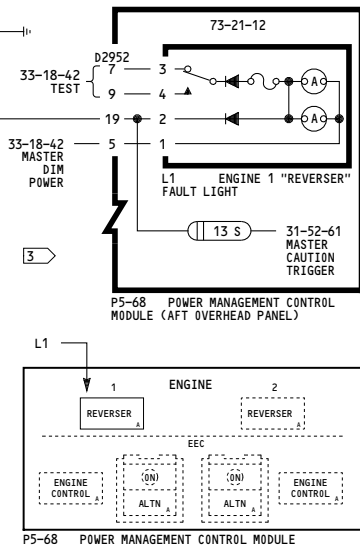
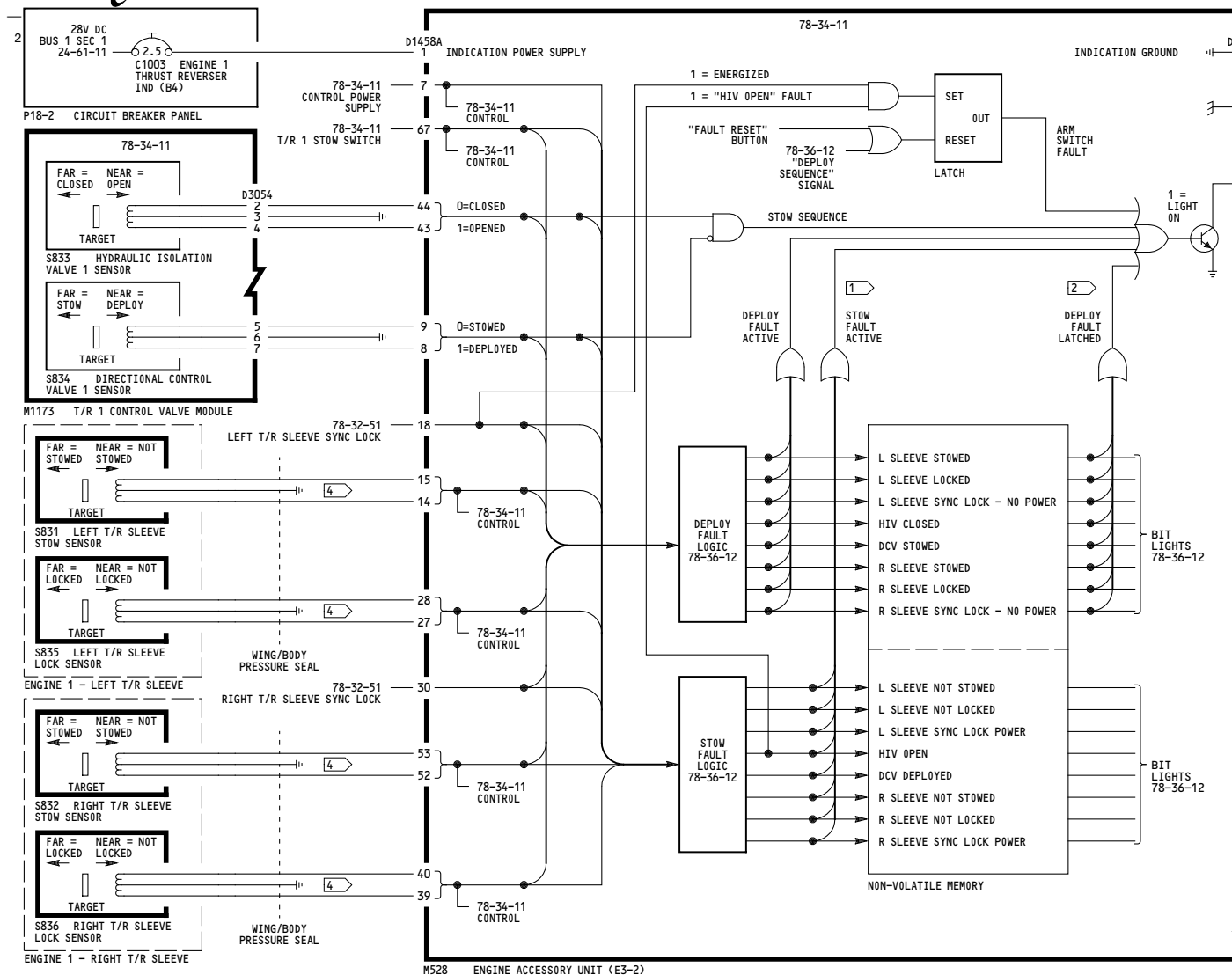
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- NOTES:
- 1 IF A FAULT OCCURS WHEN THE T/R IS STOWED, THEN THE "REVERSER" FAULT LIGHT WILL STAY ON UNTIL THE FAULT IS GONE.
 - 2 IF A FAULT OCCURS WHEN THE T/R IS DEPLOYED, THEN THE "REVERSER" FAULT LIGHT WILL STAY ON UNTIL THE EAU NON-VOLATILE MEMORY IS RESET.
 - 3 THE "REV" INDICATION COMES FROM THE LVDT (78-35-11).
 - 4 THE 4 "LOCK" AND "STOW" PROXIMITY SENSORS ON ENGINE 1 ARE ENERGIZED FROM THE CONTROL POWER SUPPLY (C276).

ALL

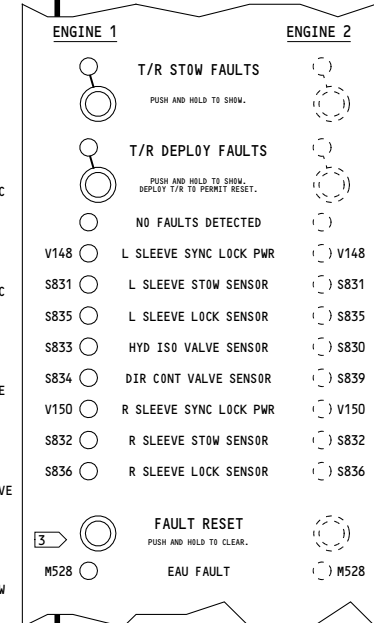
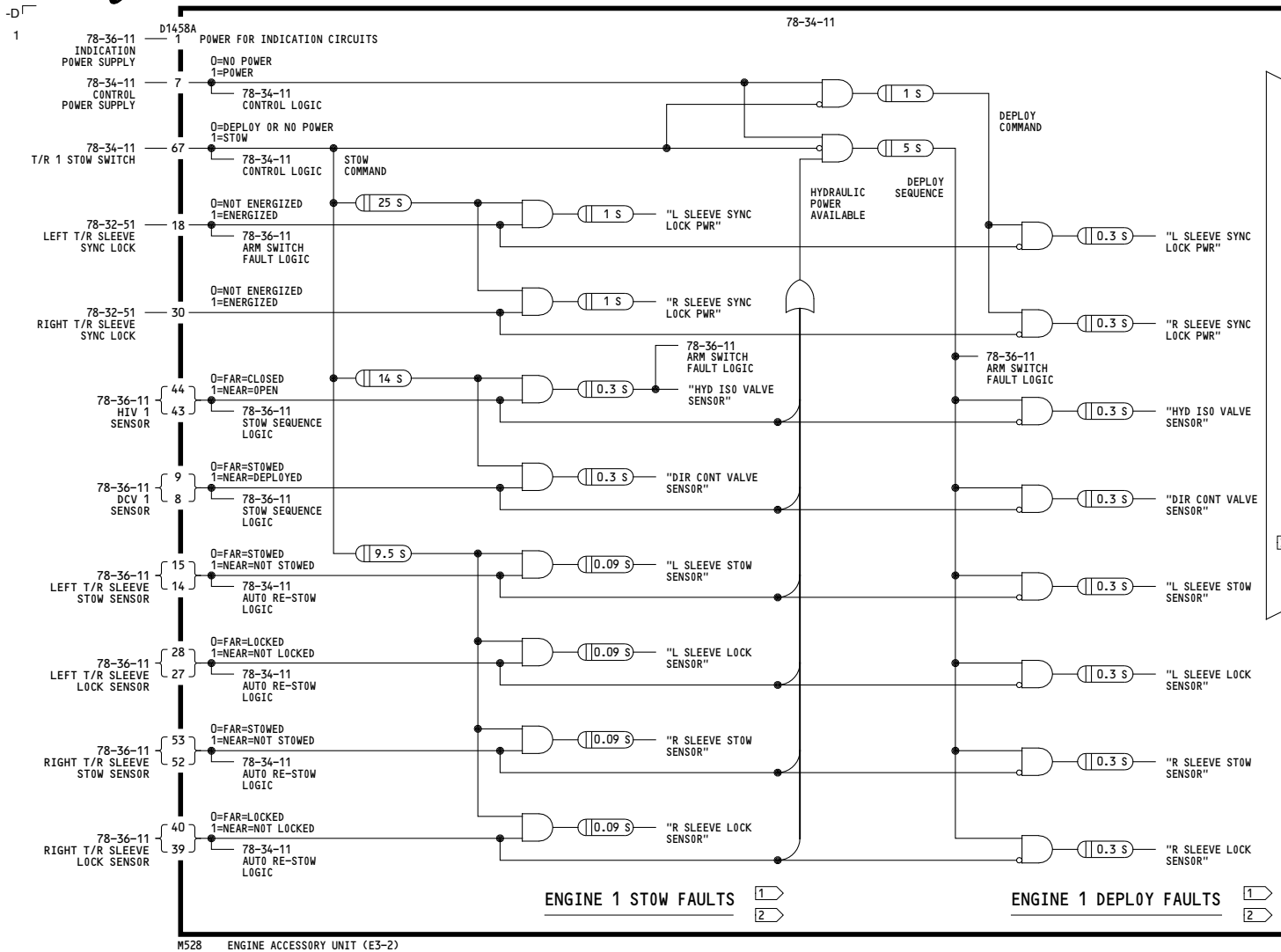
ENGINE 1 THRUST REVERSER
FLIGHT DECK INDICATION

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78-36-11

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EAU BITE DISPLAY (EAU FRONT PANEL)

NOTES:

- WHEN A FAULT OCCURS, THE BITE MESSAGE GOES INTO NON-VOLATILE MEMORY.
- THE NON-VOLATILE MEMORY AUTOMATICALLY RESETS WHEN THE T/R OPERATES 5 TIMES WITH NO FAULTS.
- YOU MUST DEPLOY THE T/R BEFORE YOU CAN RESET THE DEPLOY FAULTS.

ALL

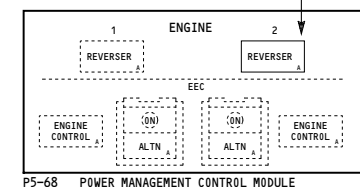
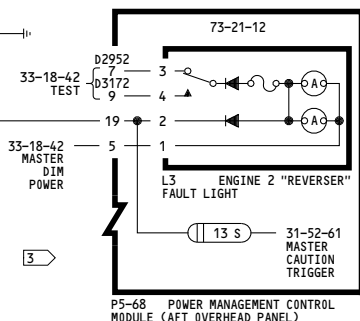
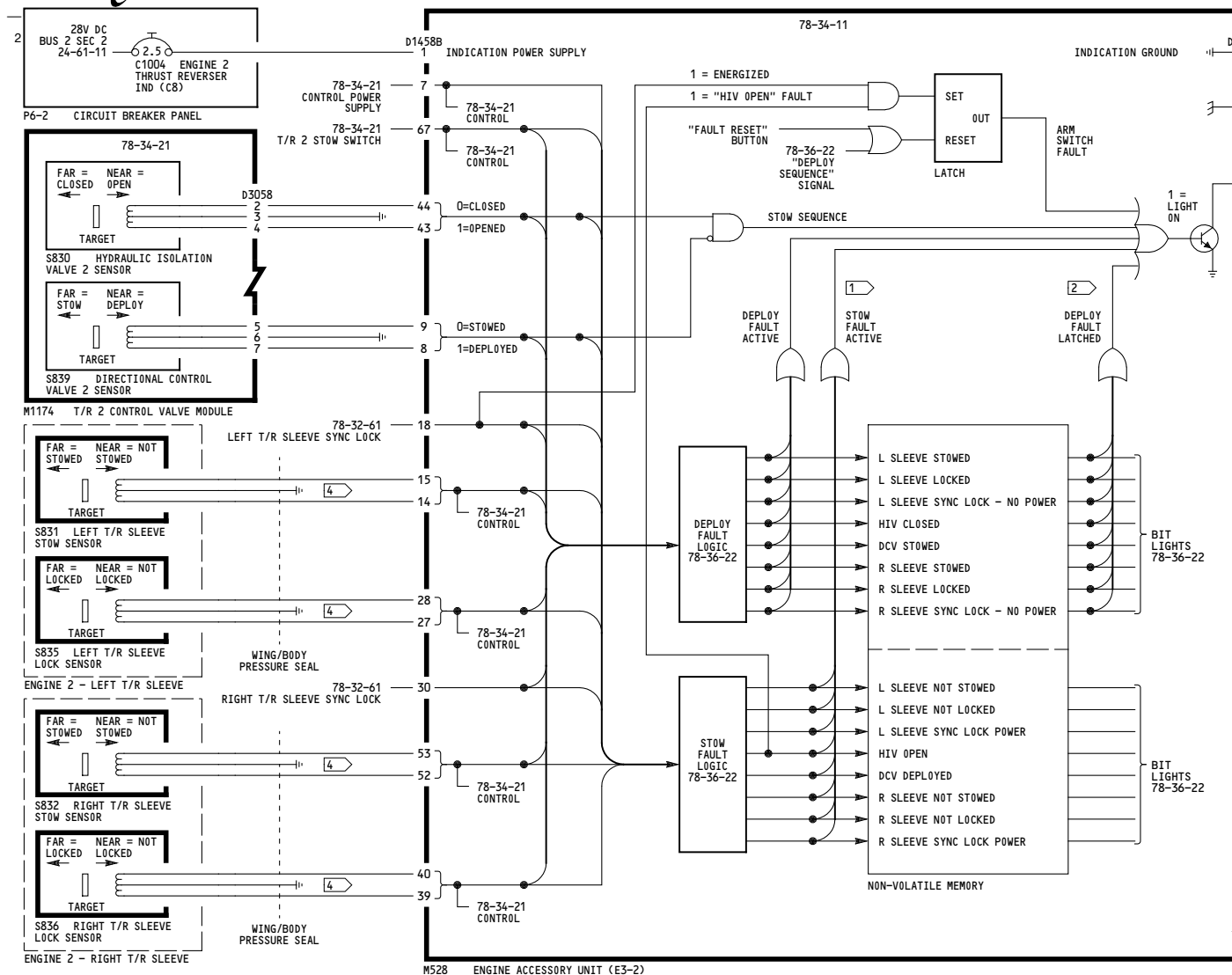
ENGINE 1 THRUST REVERSER
MAINTENANCE INDICATION

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- NOTES:
- IF A FAULT OCCURS WHEN THE T/R IS STOWED, THEN THE "REVERSER" FAULT LIGHT WILL STAY ON UNTIL THE FAULT IS GONE.
 - IF A FAULT OCCURS WHEN THE T/R IS DEPLOYED, THEN THE "REVERSER" FAULT LIGHT WILL STAY ON UNTIL THE EAU NON-VOLATILE MEMORY IS RESET.
 - THE "REV" INDICATION COMES FROM THE LVDT (78-35-21).
 - THE 4 "LOCK" AND "STOW" PROXIMITY SENSORS ON ENGINE 2 ARE ENERGIZED FROM THE CONTROL POWER SUPPLY (C277).

ALL

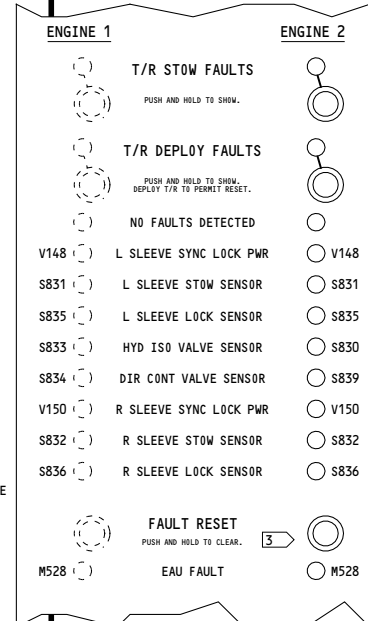
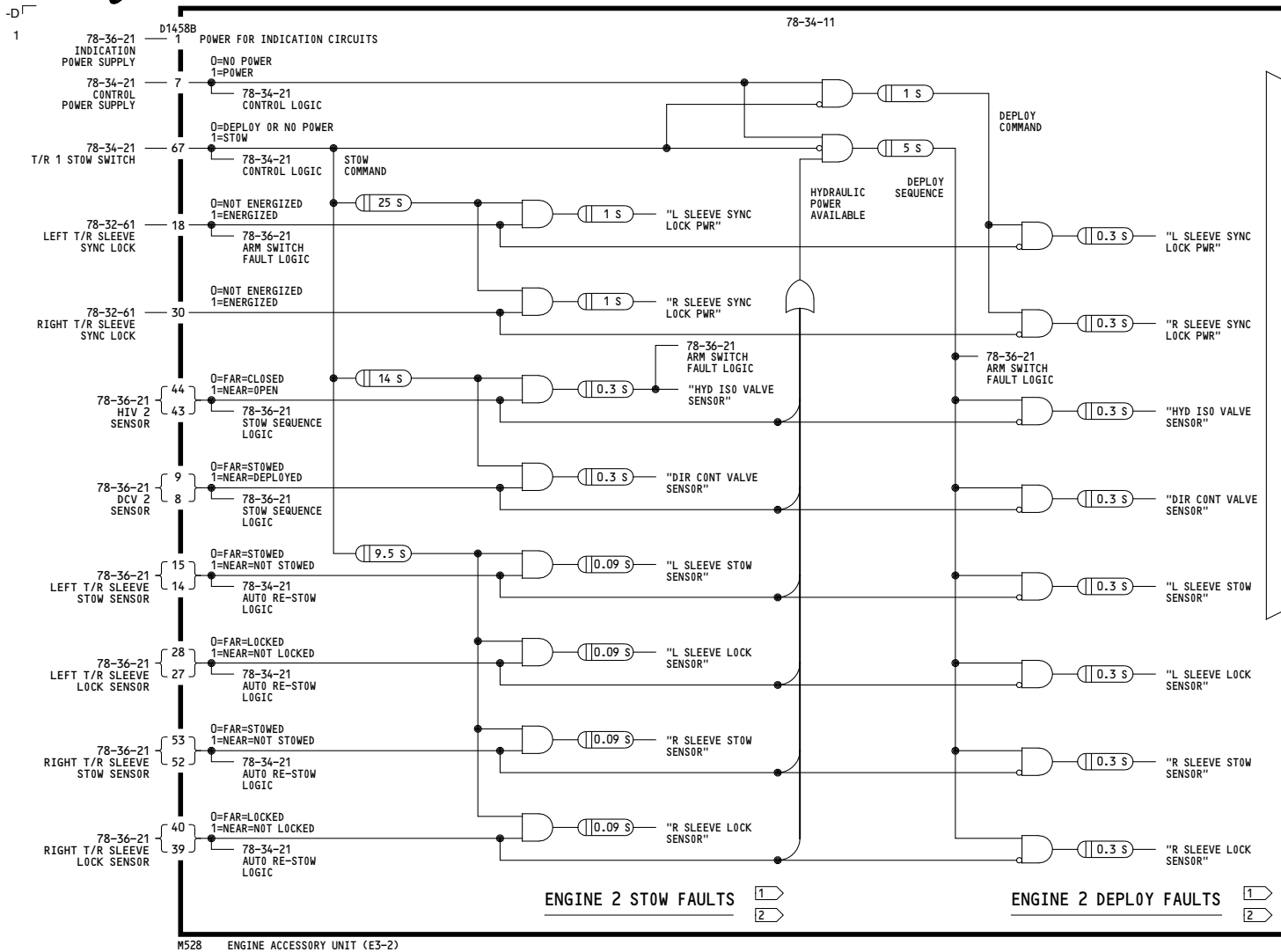
ENGINE 2 THRUST REVERSER FLIGHT DECK INDICATION

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78-36-21

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EAU BITE DISPLAY
(EAU FRONT PANEL)

NOTES:

- WHEN A FAULT OCCURS, THE BITE MESSAGE GOES INTO NON-VOLATILE MEMORY.
- THE NON-VOLATILE MEMORY AUTOMATICALLY RESETS WHEN THE T/R OPERATES 5 TIMES WITH NO FAULTS.
- YOU MUST DEPLOY THE T/R BEFORE YOU CAN RESET THE DEPLOY FAULTS.

ALL

ENGINE 2 THRUST REVERSER MAINTENANCE INDICATION

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