

CHAPTER

77

ENGINE INDICATING



CHAPTER 77
ENGINE INDICATING

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| 77-EFFECTIVE PAGES | | | | | 77-21-01 (cont.) | | | | |
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| 77-ALPHABETICAL INDEX | | | | | D | | 102 | | May 06/2009 |
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| R | | 101 | | May 06/2009 | | | | | |
| | 77-12-01 | | | | | | | | |
| R | | 101 | | May 06/2009 | | | | | |
| | 77-12-02 | | | | | | | | |
| R | | 101 | | May 06/2009 | | | | | |
| | 77-12-03 | | | | | | | | |
| R | | 101 | | May 06/2009 | | | | | |
| | 77-12-04 | | | | | | | | |
| R | | 101 | | May 06/2009 | | | | | |
| | 77-12-05 | | | | | | | | |
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| R | | 101 | | May 06/2009 | | | | | |

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

77-EFFECTIVE PAGES

CHAPTER 77
ENGINE INDICATING

| | Title | CH-SC-SU | Schem | Page | Sheet | Date | Effectivity |
|---|---|----------|-------|-------|-------|-------------|-------------|
| | <u>ENGINE INDICATING</u> | | | | | | |
| I | ENGINE INSTRUMENTATION SYSTEM | 77-00-00 | | 101 | | May 06/2009 | ALL |
| | <u>ENGINE PRESSURE RATIO (EPR) INDICATING SYSTEM</u> | | | | | | |
| I | ENGINE PRESSURE RATIO INDICATION | 77-11-01 | | 101 | | May 06/2009 | ALL |
| | <u>ENGINE TACHOMETER SYSTEM</u> | | | | | | |
| I | ENGINE N1 TACHOMETER INDICATION | 77-12-01 | | 101 | | May 06/2009 | ALL |
| I | ENGINE N2 TACHOMETER INDICATION | 77-12-02 | | 101 | | May 06/2009 | ALL |
| I | ENGINE N3 TACHOMETER INDICATION | 77-12-03 | | 101 | | May 06/2009 | ALL |
| I | LEFT ENGINE SPEED SENSING | 77-12-04 | | 101 | | May 06/2009 | ALL |
| I | RIGHT ENGINE SPEED SENSING | 77-12-05 | | 101 | | May 06/2009 | ALL |
| | <u>EXHAUST GAS TEMPERATURE (EGT) INDICATING SYSTEM</u> | | | | | | |
| I | EXHAUST GAS TEMPERATURE INDICATION | 77-21-01 | | 101 | | May 06/2009 | ALL |
| | <u>AIRBORNE VIBRATION MONITORING (AVM) SYSTEM</u> | | | | | | |
| I | AIRBORNE VIBRATION MONITORING SYSTEM | 77-31-01 | | 101 | | May 06/2009 | ALL |
| | | | | 101.1 | | Dec 18/2007 | 001-011 |
| | <u>STANDBY ENGINE INDICATION SYSTEM</u> | | | | | | |
| I | STANDBY ENGINE INDICATOR | 77-41-01 | | 101 | | May 06/2009 | ALL |

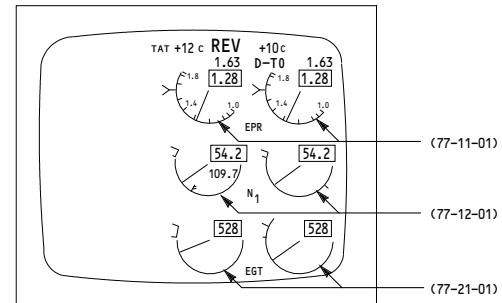
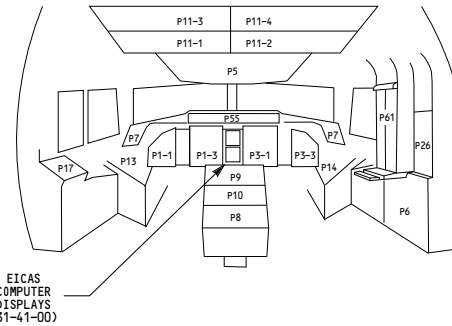
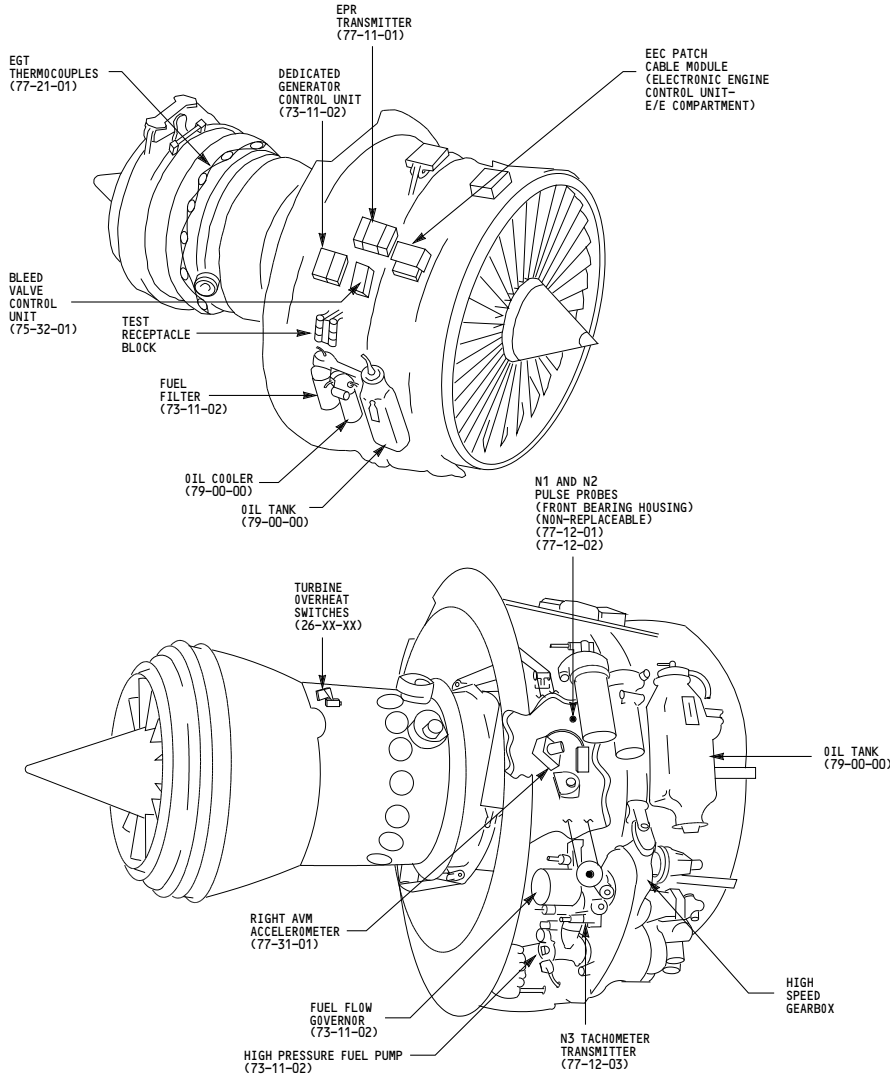
**CHAPTER 77
ENGINE INDICATING**

| CH-SC-SU | Title |
|----------|--------------------------------------|
| 77-31-01 | AIRBORNE VIBRATION MONITORING SYSTEM |
| 77-00-00 | ENGINE INSTRUMENTATION SYSTEM |
| 77-12-01 | ENGINE N1 TACHOMETER INDICATION |
| 77-12-02 | ENGINE N2 TACHOMETER INDICATION |
| 77-12-03 | ENGINE N3 TACHOMETER INDICATION |
| 77-11-01 | ENGINE PRESSURE RATIO INDICATION |
| 77-21-01 | EXHAUST GAS TEMPERATURE INDICATION |
| 77-12-04 | LEFT ENGINE SPEED SENSING |
| 77-12-05 | RIGHT ENGINE SPEED SENSING |
| 77-41-01 | STANDBY ENGINE INDICATOR |

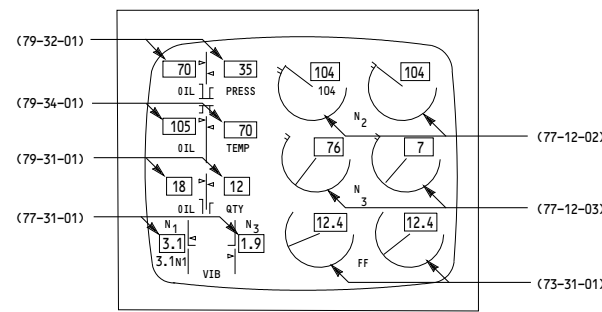
| CH-SC-SU | Title |
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77-ALPHABETICAL INDEX

5011



EICAS COMPUTER PRIMARY DISPLAY



EICAS COMPUTER SECONDARY DISPLAY

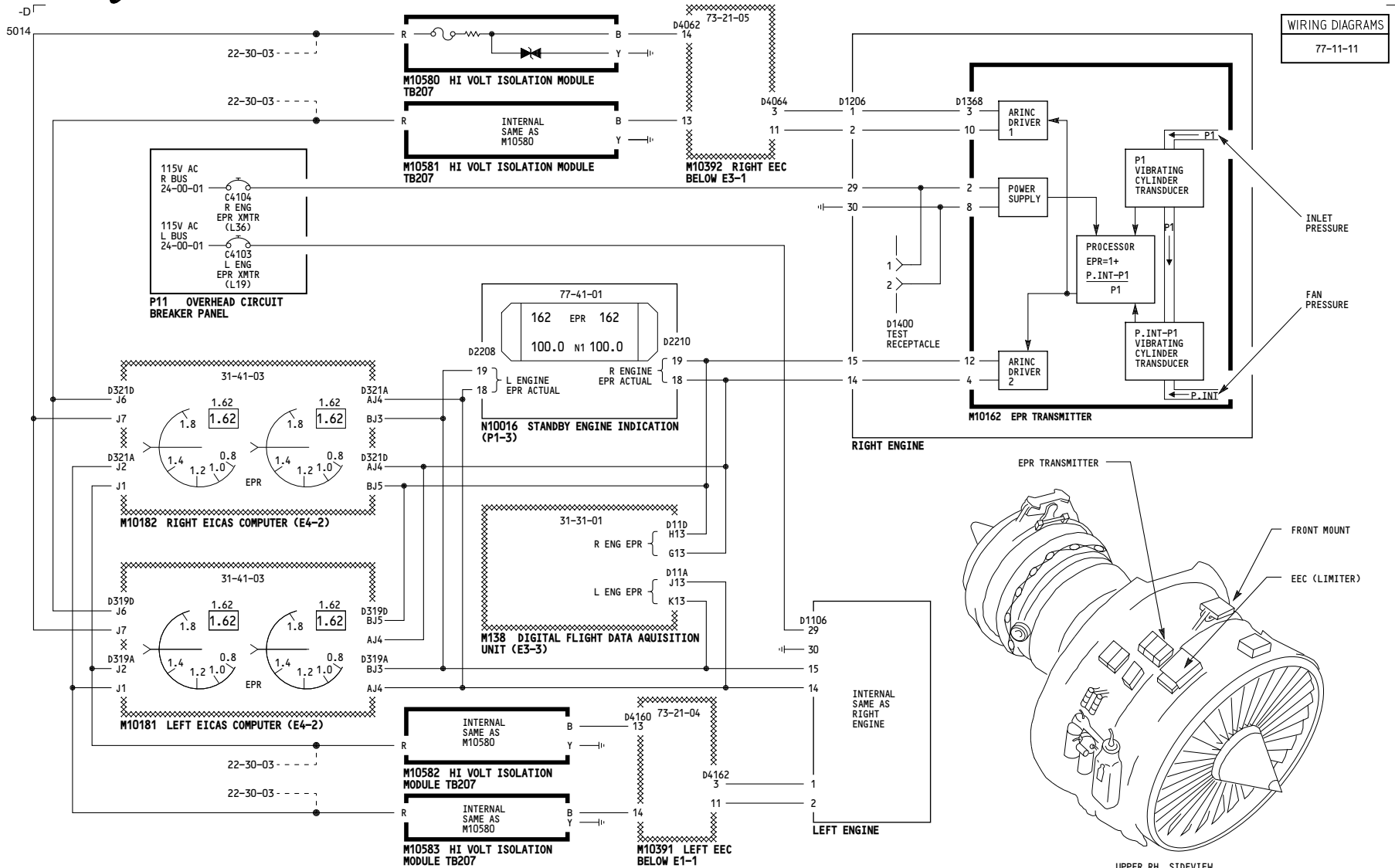
| | |
|-----|--|
| ALL | <p align="center">ENGINE INSTRUMENTATION SYSTEM</p> <p align="center">D280N032S</p> |
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77-00-00

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WIRING DIAGRAMS
77-11-11



| | |
|-----|---|
| ALL | ENGINE PRESSURE RATIO INDICATION |
| | D280N032S |

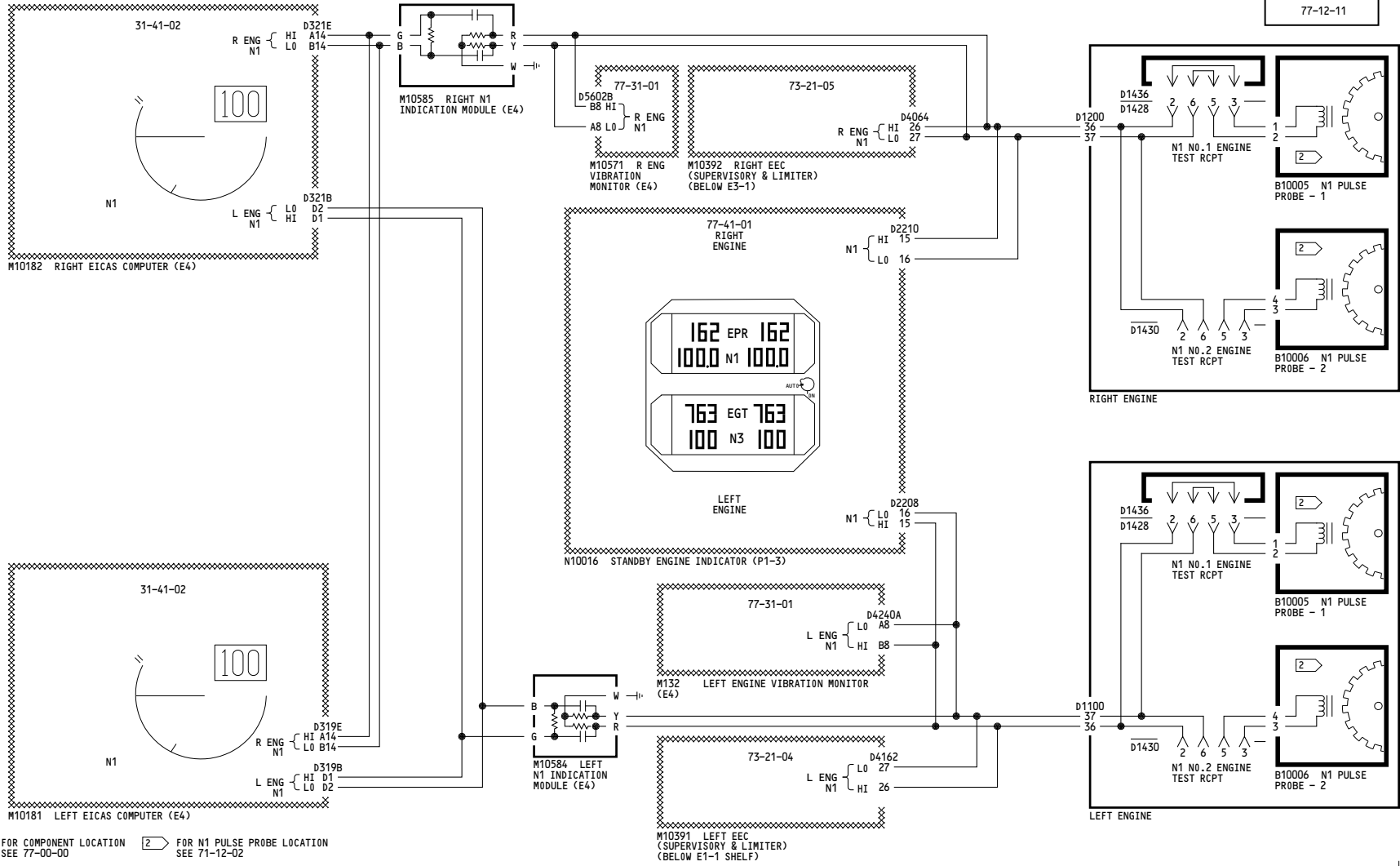
77-11-01

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WIRING DIAGRAMS
77-12-11

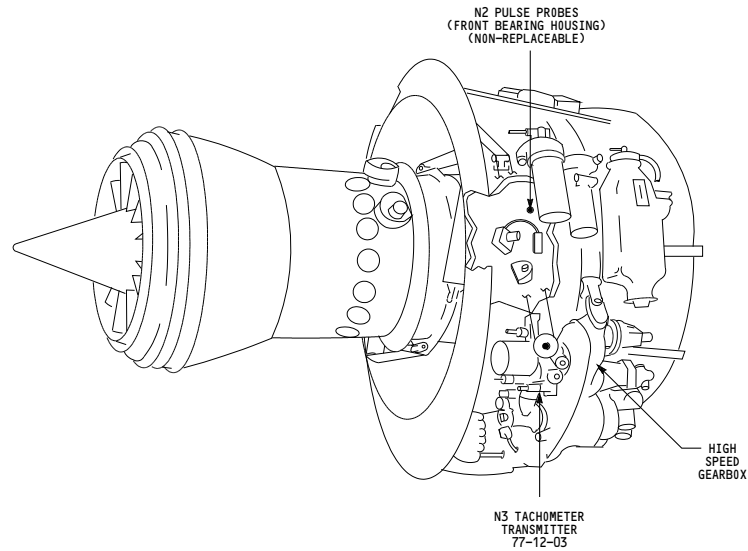
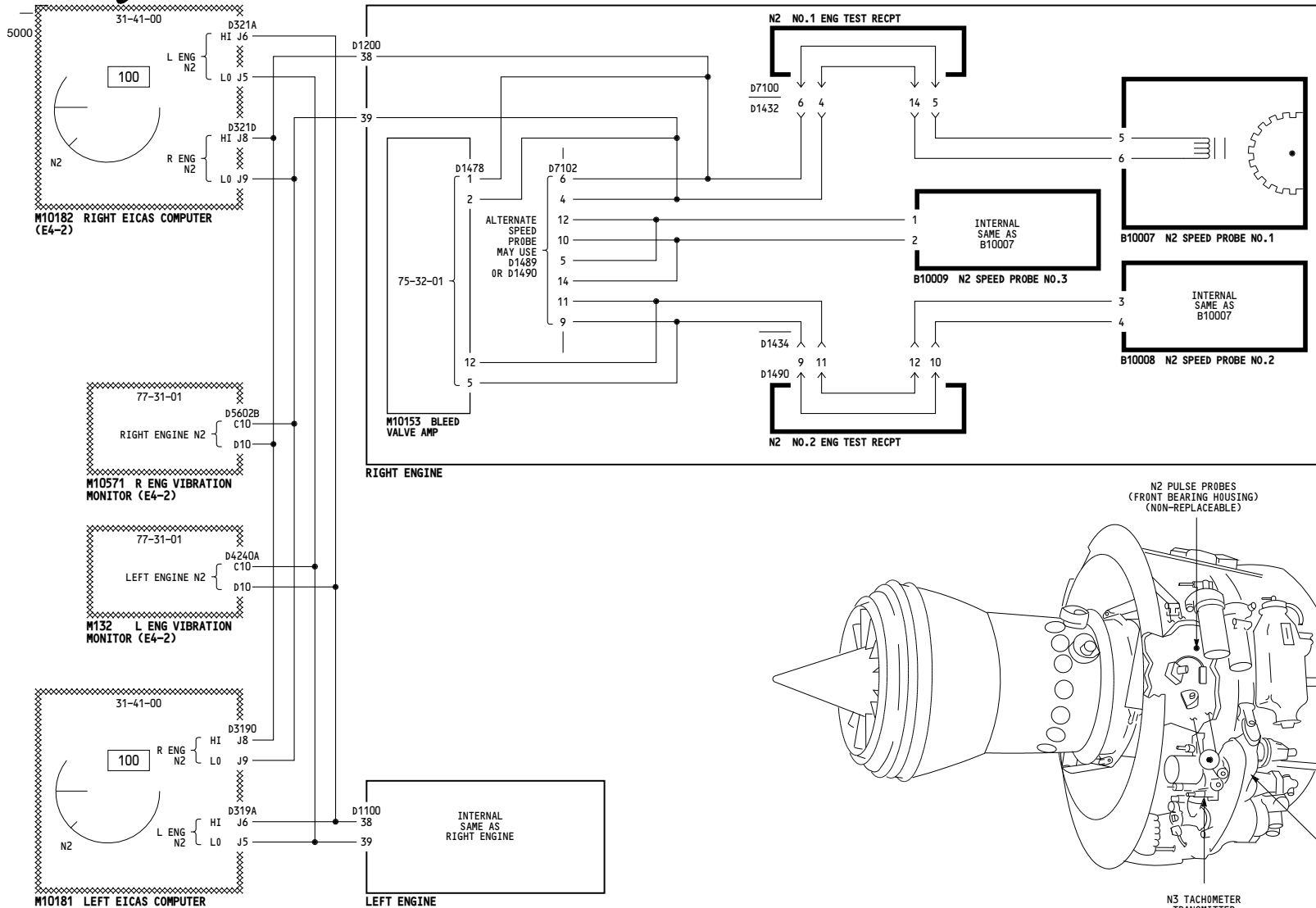


NOTES:
 1 FOR COMPONENT LOCATION SEE 77-00-00
 2 FOR N1 PULSE PROBE LOCATION SEE 71-12-02

| | |
|-----|--|
| ALL | <p>ENGINE N1 TACHOMETER INDICATION</p> <p>D280N032S</p> |
|-----|--|

77-12-01

WIRING DIAGRAMS
77-12-21



| | |
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| ALL | ENGINE N2 TACHOMETER INDICATION |
| | D280N032S |

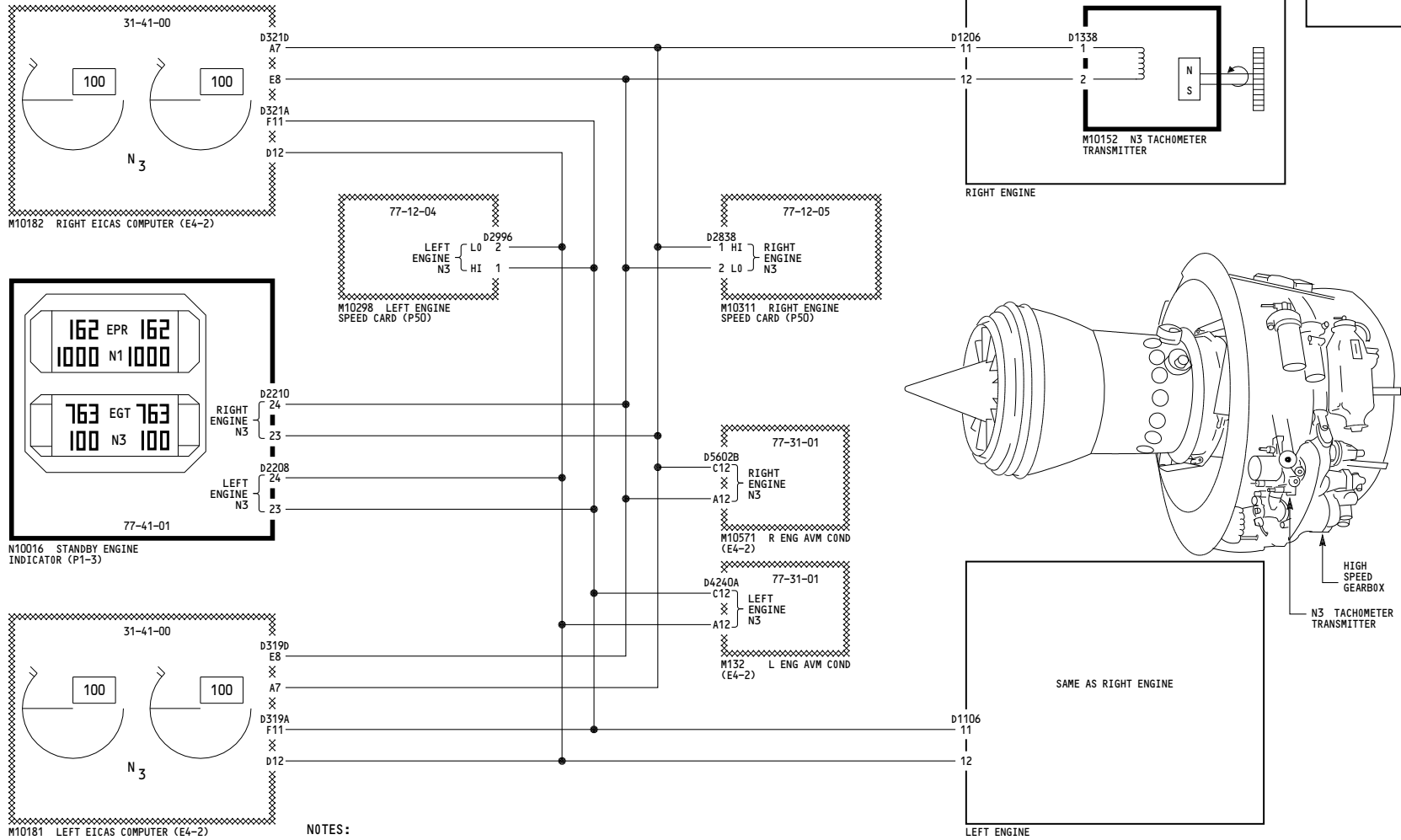
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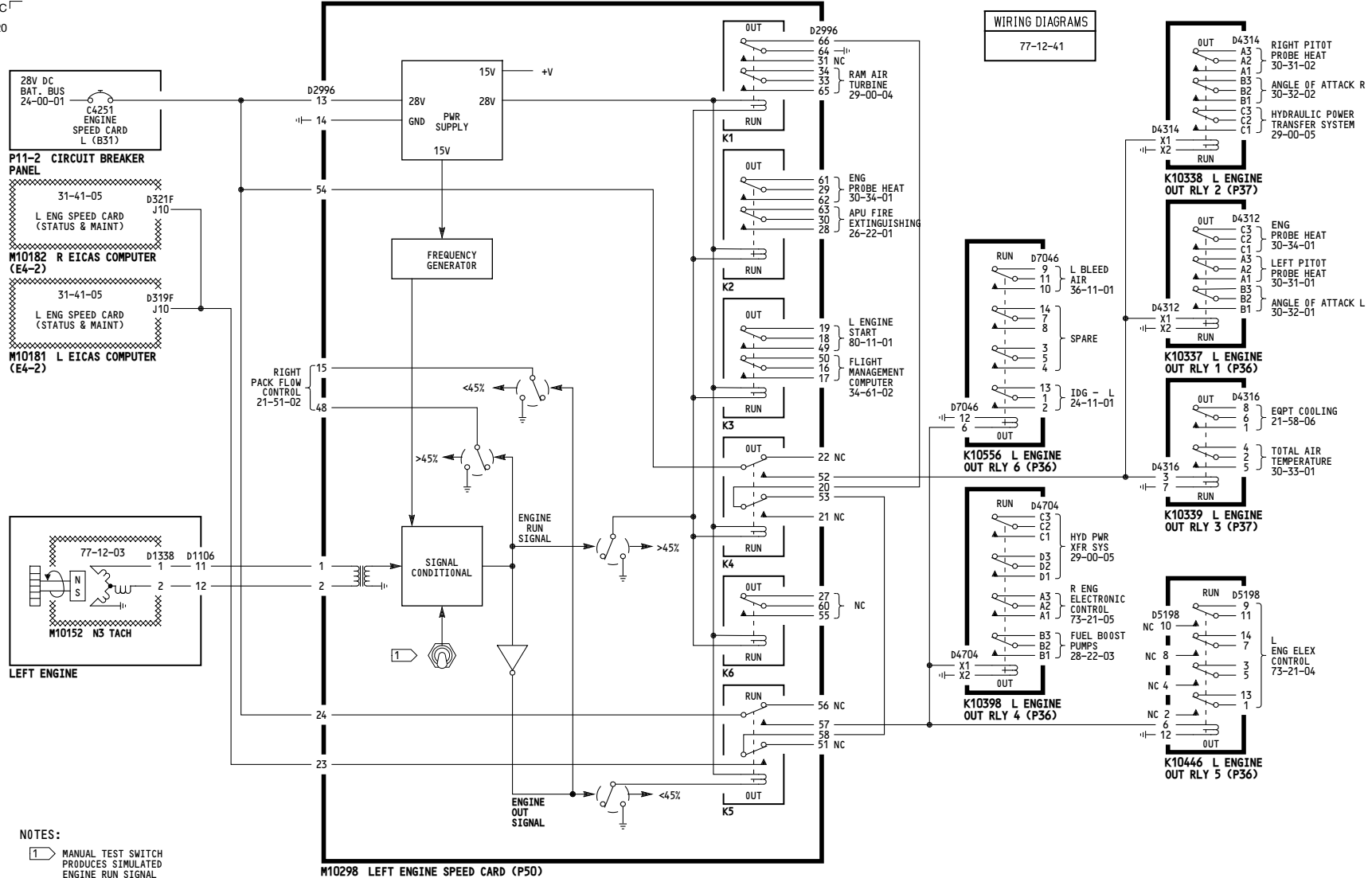
WIRING DIAGRAMS
77-12-31



| | |
|-----|--|
| ALL | <p>ENGINE N3 TACHOMETER INDICATION</p> <p>D280N032S</p> |
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77-12-03

5020

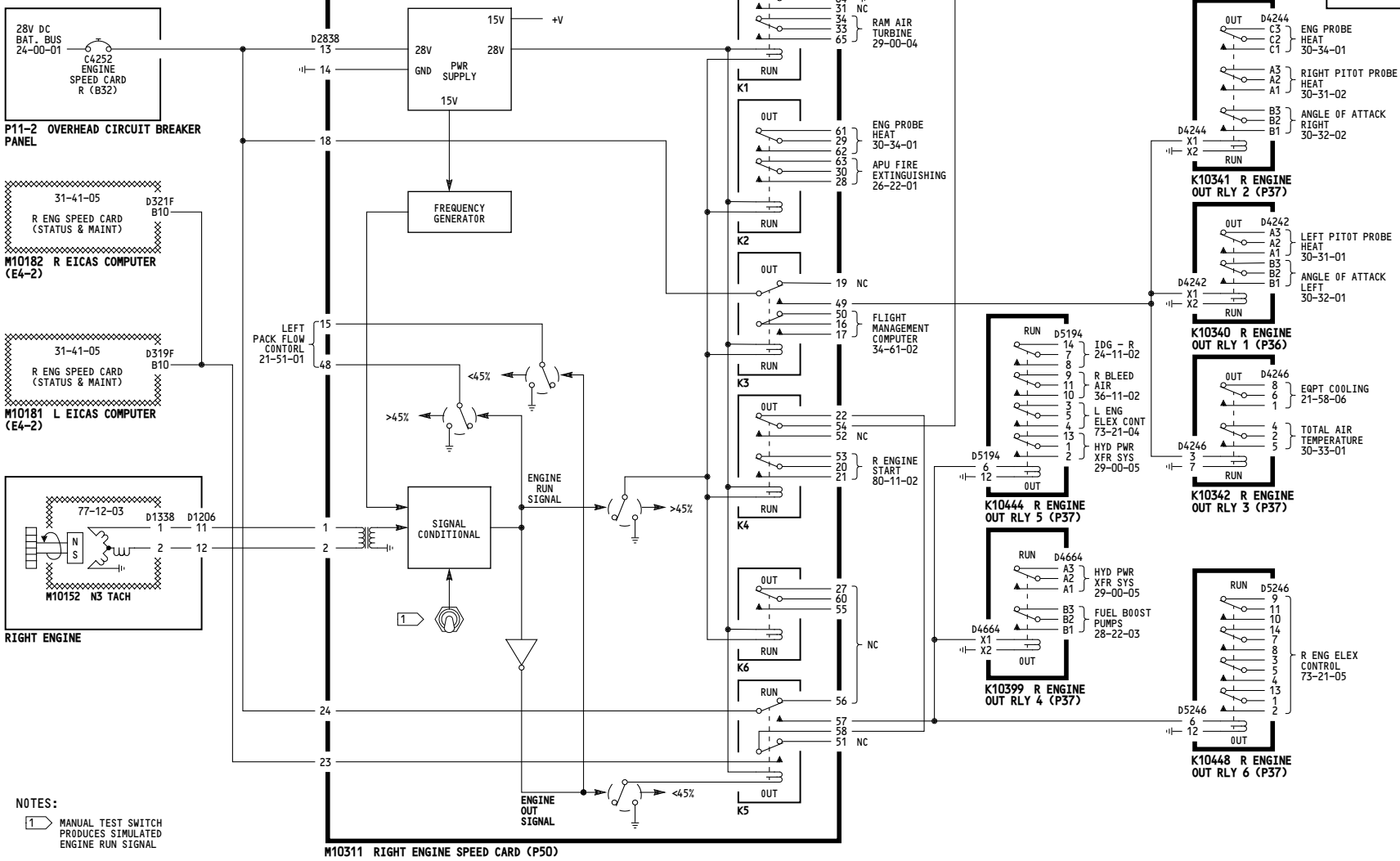


NOTES:
1 MANUAL TEST SWITCH PRODUCES SIMULATED ENGINE RUN SIGNAL

| | |
|-----|--|
| ALL | <p>LEFT ENGINE SPEED SENSING</p> <p>D280N032S</p> |
|-----|--|

-B
5020

WIRING DIAGRAMS
77-12-42



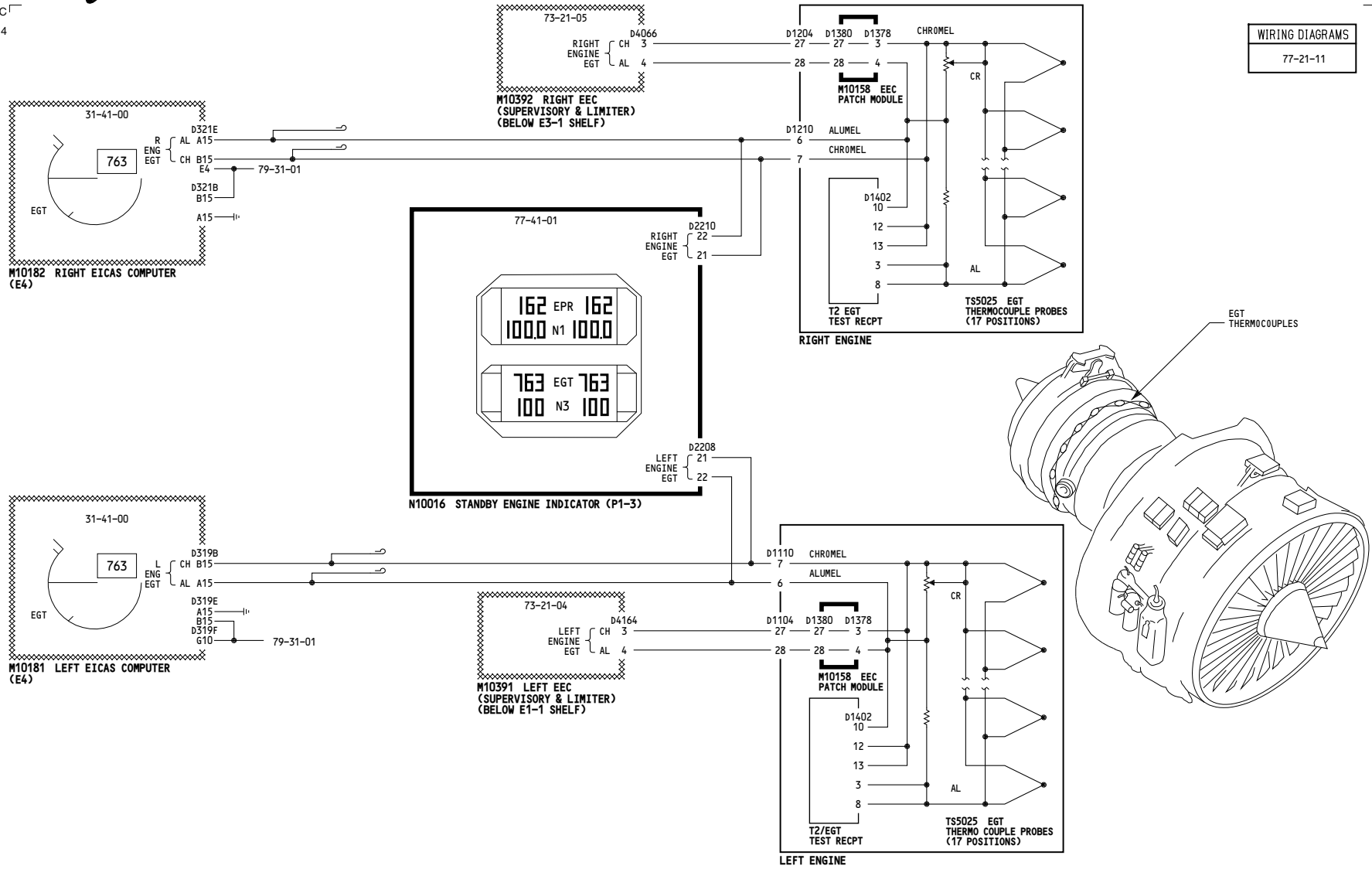
NOTES:
1 MANUAL TEST SWITCH
PRODUCES SIMULATED
ENGINE RUN SIGNAL

| | |
|-----|-----------------------------------|
| ALL | RIGHT ENGINE SPEED SENSING |
| | D280N032S |

77-12-05

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WIRING DIAGRAMS
77-21-11



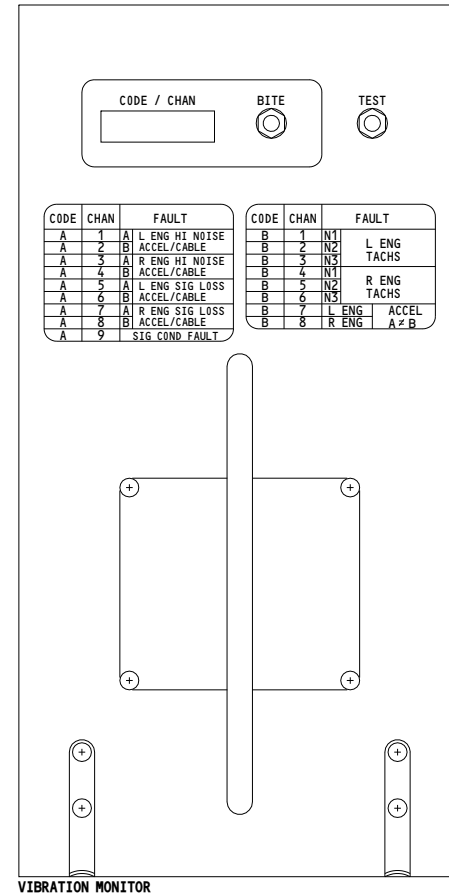
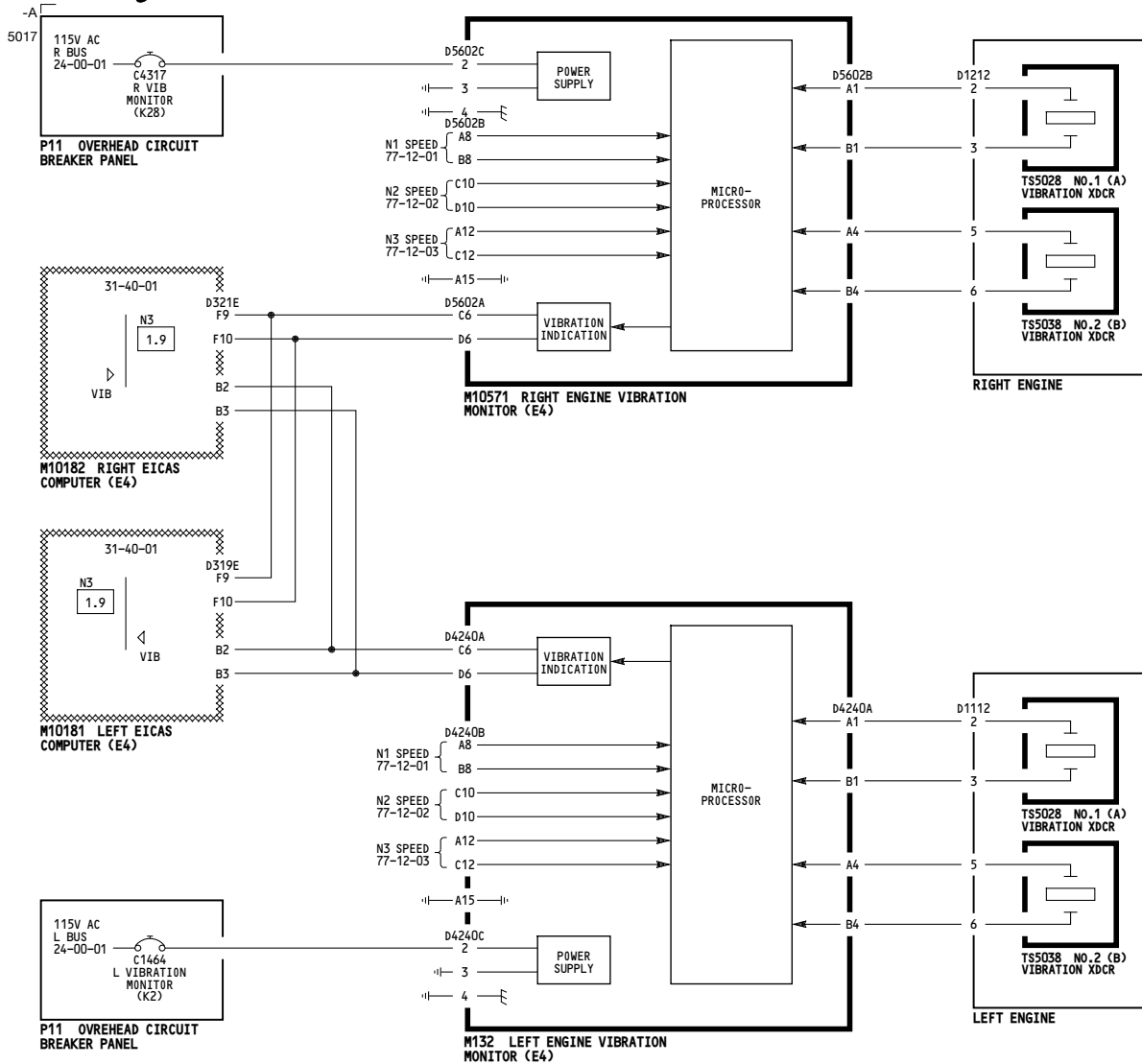
| | |
|-----|---|
| ALL | EXHAUST GAS TEMPERATURE INDICATION |
| | D280N032S |

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WIRING DIAGRAMS
77-31-11



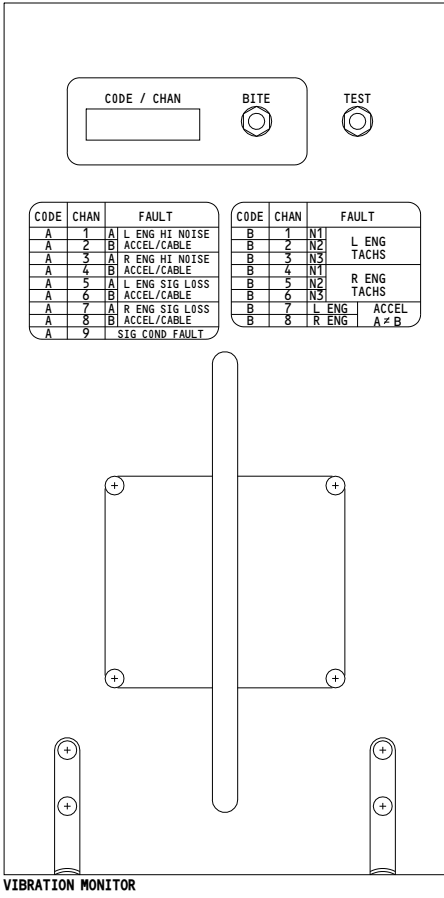
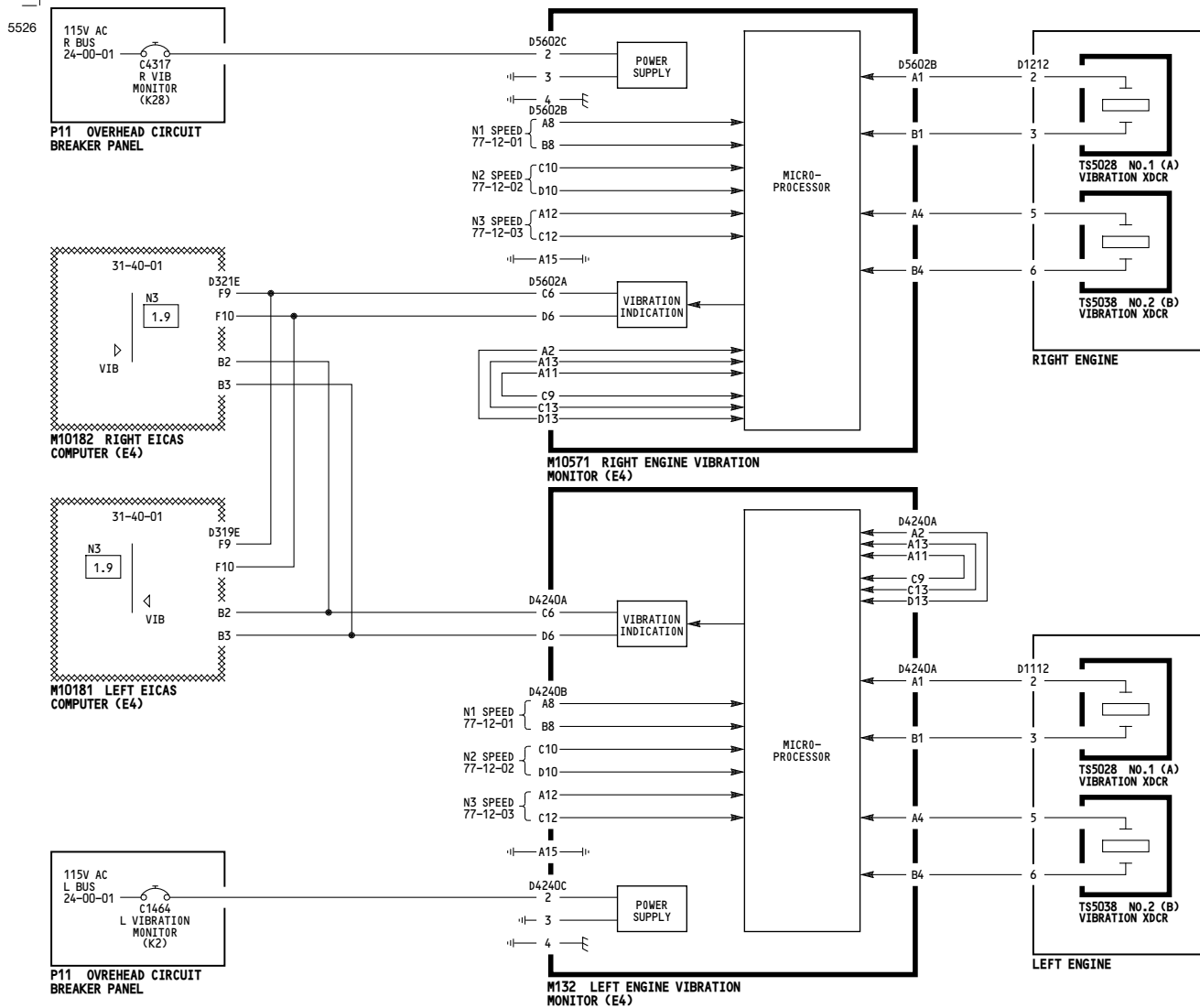
ALL

AIRBORNE VIBRATION MONITORING SYSTEM

D280N032S

77-31-01

WIRING DIAGRAMS
77-31-11



| CODE | CHAN | FAULT | CODE | CHAN | FAULT |
|------|------|------------------|------|------|-------------|
| A | 1 | L ENG HI NOISE | B | 1 | N1 |
| A | 2 | B ACCEL/CABLE | B | 2 | N2 |
| A | 3 | A R ENG HI NOISE | B | 3 | N3 |
| A | 4 | B ACCEL/CABLE | B | 4 | N1 |
| A | 5 | A L ENG SIG LOSS | B | 5 | N2 |
| A | 6 | B ACCEL/CABLE | B | 6 | N3 |
| A | 7 | A R ENG SIG LOSS | B | 7 | L ENG ACCEL |
| A | 8 | B ACCEL/CABLE | B | 8 | R ENG ACCEL |
| A | 9 | SIG COND. FAULT | | | |

001-011

AIRBORNE VIBRATION MONITORING SYSTEM

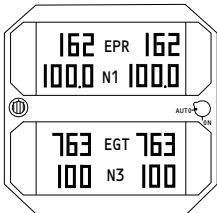
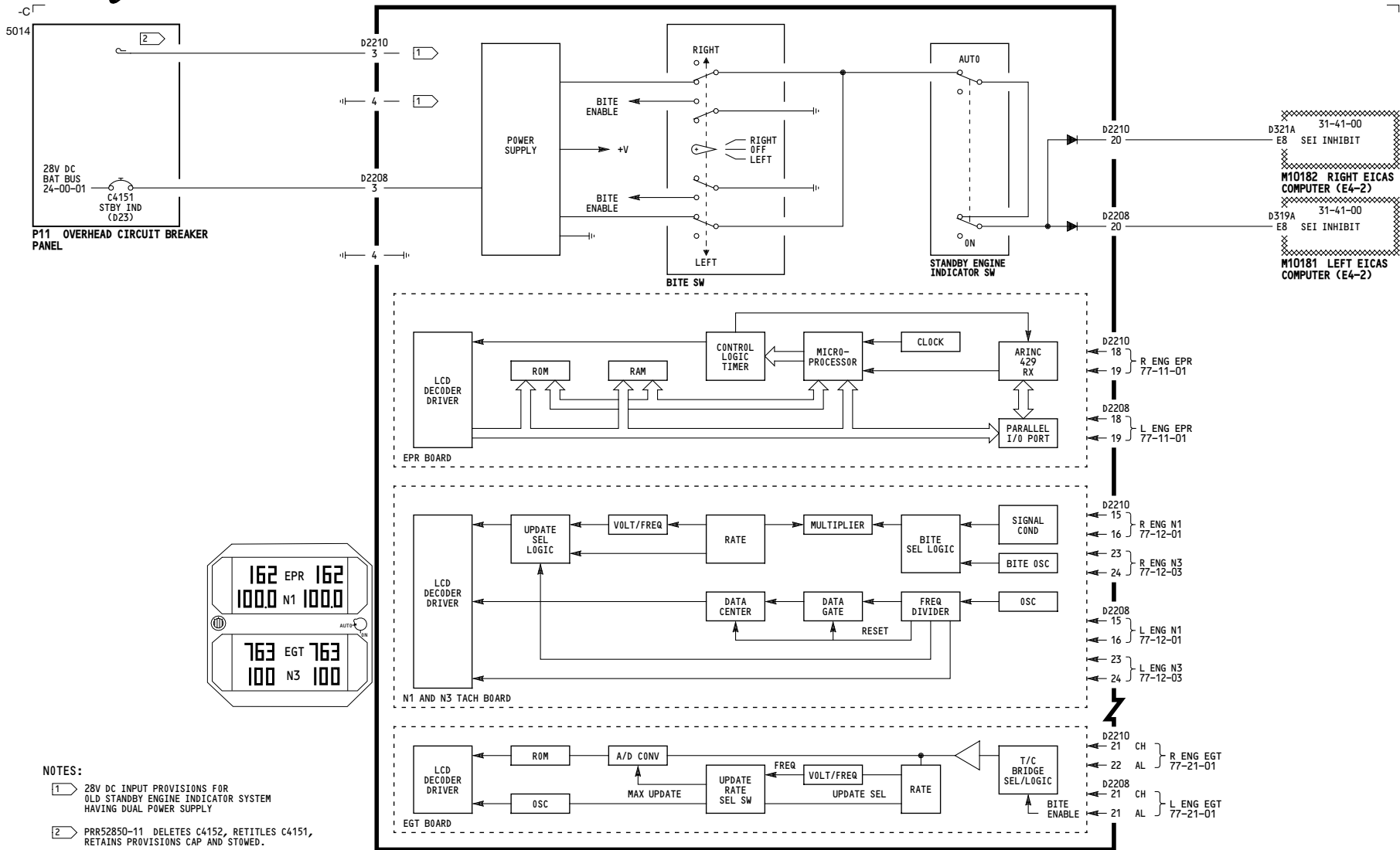
D280N032S

Incorporates
SB 77-0009 R01

77-31-01

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Dec 18/2007



- NOTES:**
- 1 28V DC INPUT PROVISIONS FOR OLD STANDBY ENGINE INDICATOR SYSTEM HAVING DUAL POWER SUPPLY
 - 2 PRR52850-11 DELETES C4152, RETITLES C4151, RETAINS PROVISIONS CAP AND STOWED.

N10016 STANDBY ENGINE INDICATOR (P1-3)

ALL

STANDBY ENGINE INDICATOR

D280N032S

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