

CHAPTER

77

ENGINE INDICATING



CHAPTER 77
ENGINE INDICATING

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

77-EFFECTIVE PAGES

Page 1
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D280N032S

CHAPTER 77
ENGINE INDICATING

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| <u>ENGINE INDICATING</u> | | | | | | |
| ENGINE INSTRUMENTATION SYSTEM | 77-00-00 | | 101 | | Jan 21/2005 | ALL |
| <u>ENGINE PRESSURE RATIO (EPR) INDICATING SYSTEM</u> | | | | | | |
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| <u>ENGINE TACHOMETER SYSTEM</u> | | | | | | |
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| ENGINE N3 TACHOMETER INDICATION | 77-12-03 | | 101 | | Jan 21/2005 | ALL |
| LEFT ENGINE SPEED SENSING | 77-12-04 | | 101 | | Jan 21/2005 | ALL |
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| <u>EXHAUST GAS TEMPERATURE (EGT) INDICATING SYSTEM</u> | | | | | | |
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| <u>AIRBORNE VIBRATION MONITORING (AVM) SYSTEM</u> | | | | | | |
| AIRBORNE VIBRATION MONITORING SYSTEM | 77-31-01 | | 101 | | Jan 21/2005 | 001-099 |
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| <u>STANDBY ENGINE INDICATION SYSTEM</u> | | | | | | |
| STANDBY ENGINE INDICATOR | 77-41-01 | | 101 | | Jan 21/2005 | 001-099 |
| | | | 102 | | Jan 21/2005 | 115-199 |

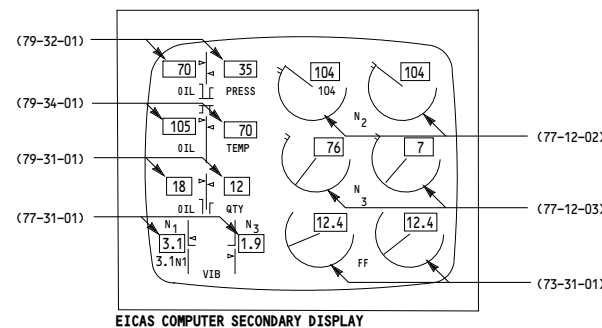
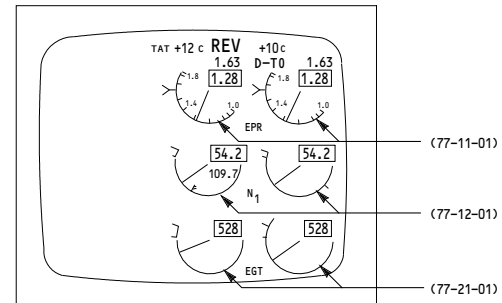
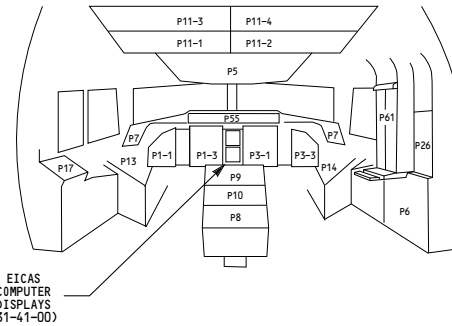
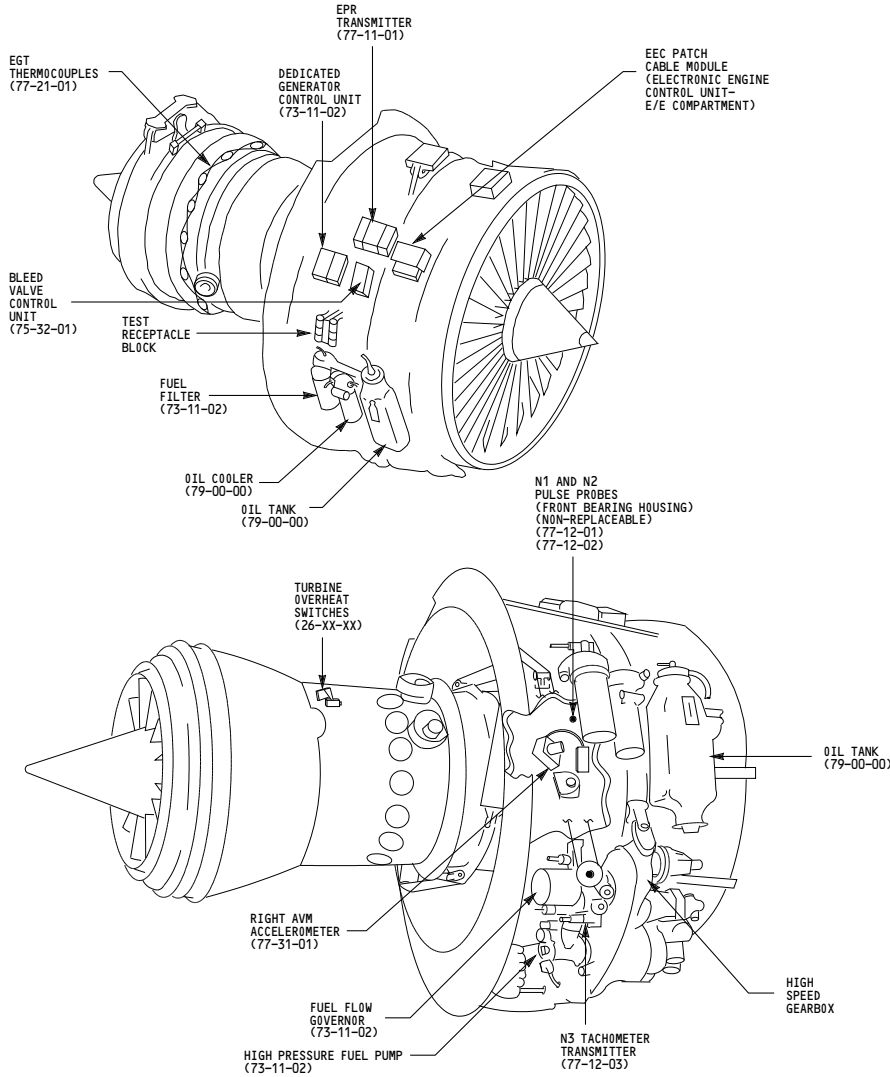
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ENGINE INDICATING**

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| 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 |

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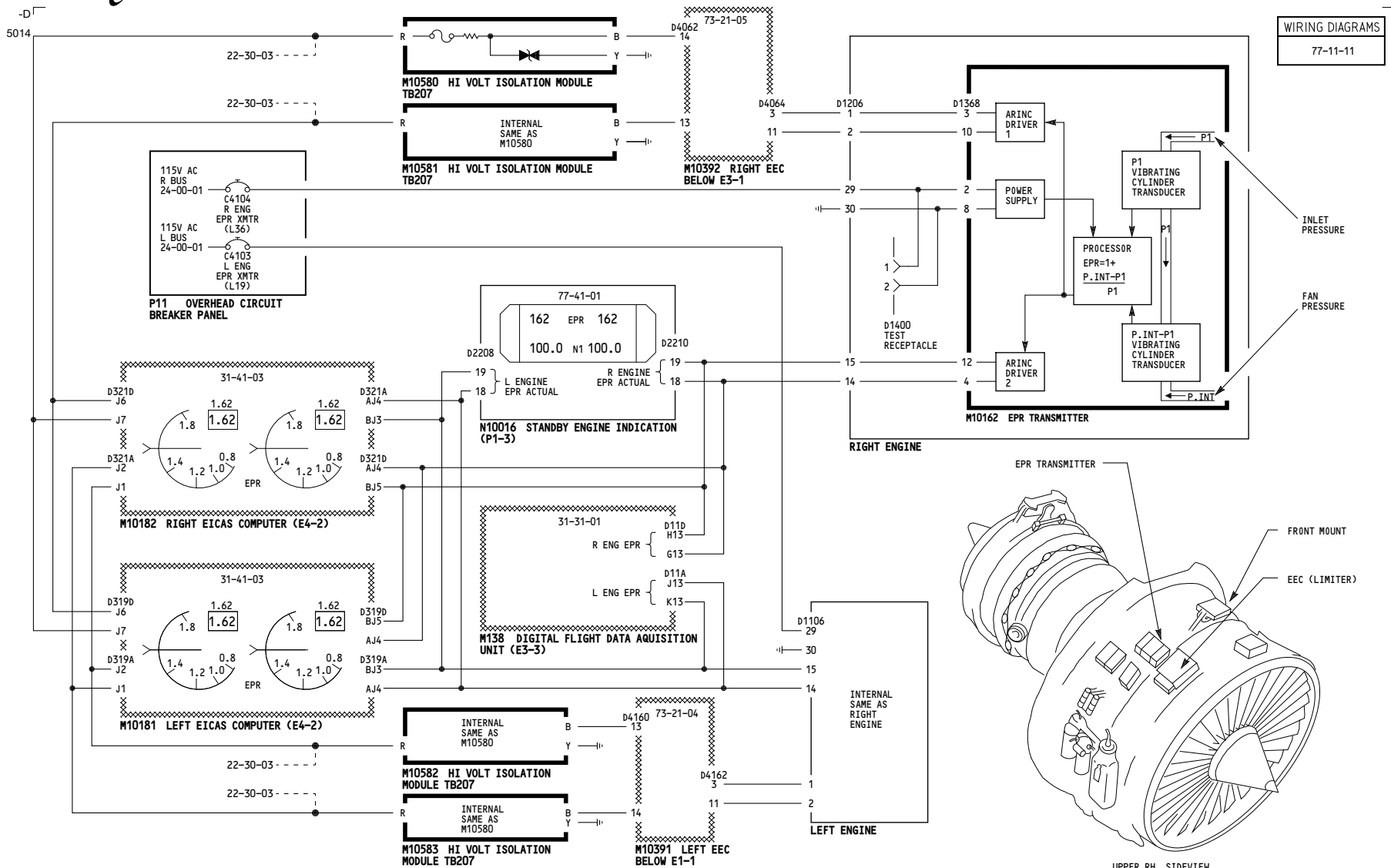
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| ALL | <p align="center">ENGINE INSTRUMENTATION SYSTEM</p> <p align="center">D280N032S</p> |
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WIRING DIAGRAMS
77-11-11



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

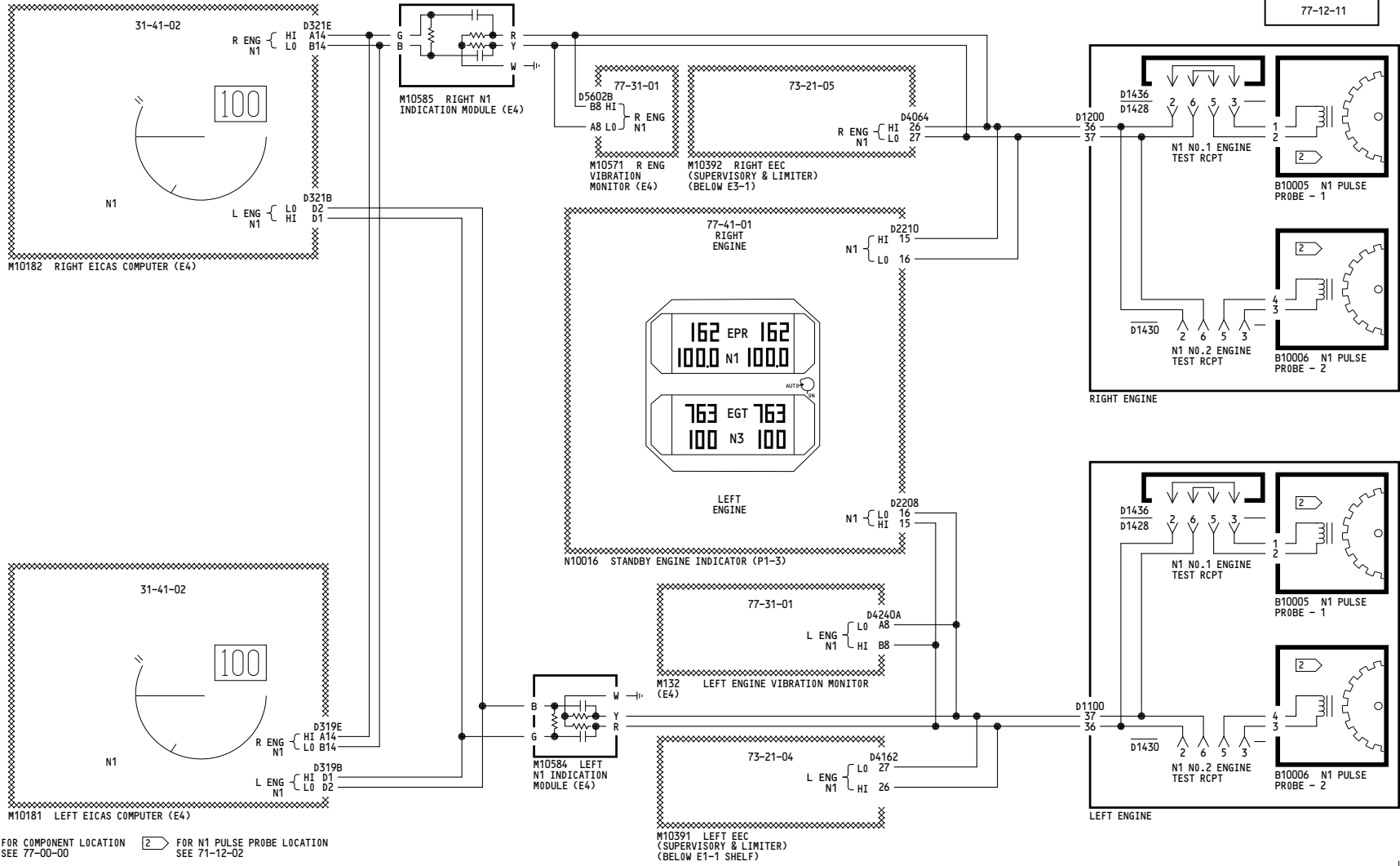
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WIRING DIAGRAMS
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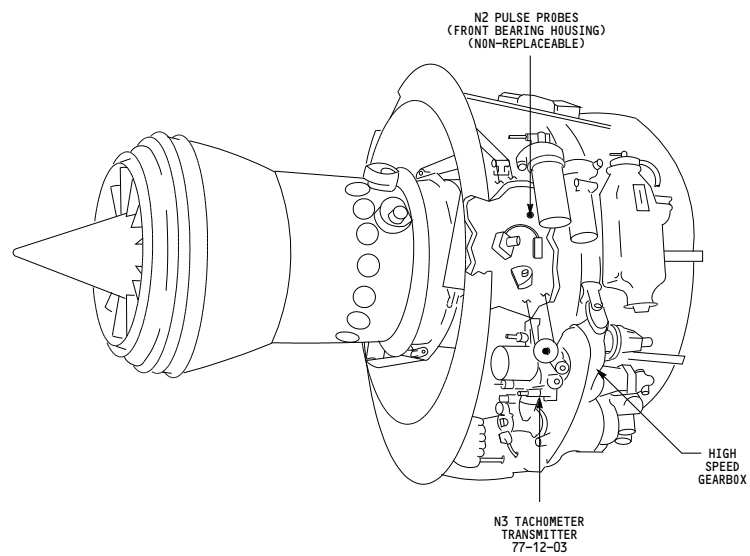
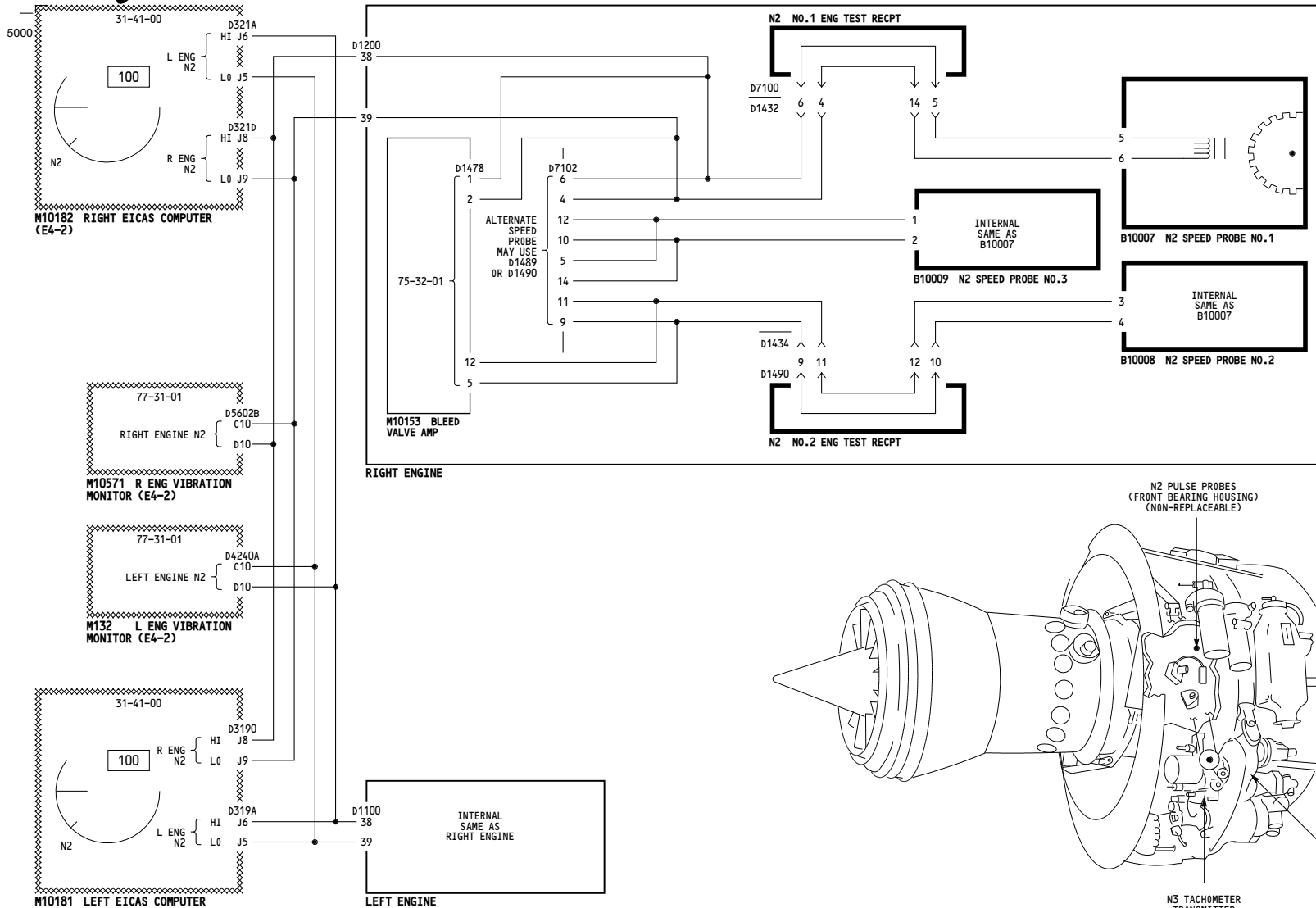


NOTES:
 1 FOR COMPONENT LOCATION SEE 77-00-00
 2 FOR N1 PULSE PROBE LOCATION SEE 71-12-02

| | |
|-----|--|
| ALL | <p>ENGINE N1 TACHOMETER INDICATION</p> <p>D280N032S</p> |
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WIRING DIAGRAMS
77-12-21

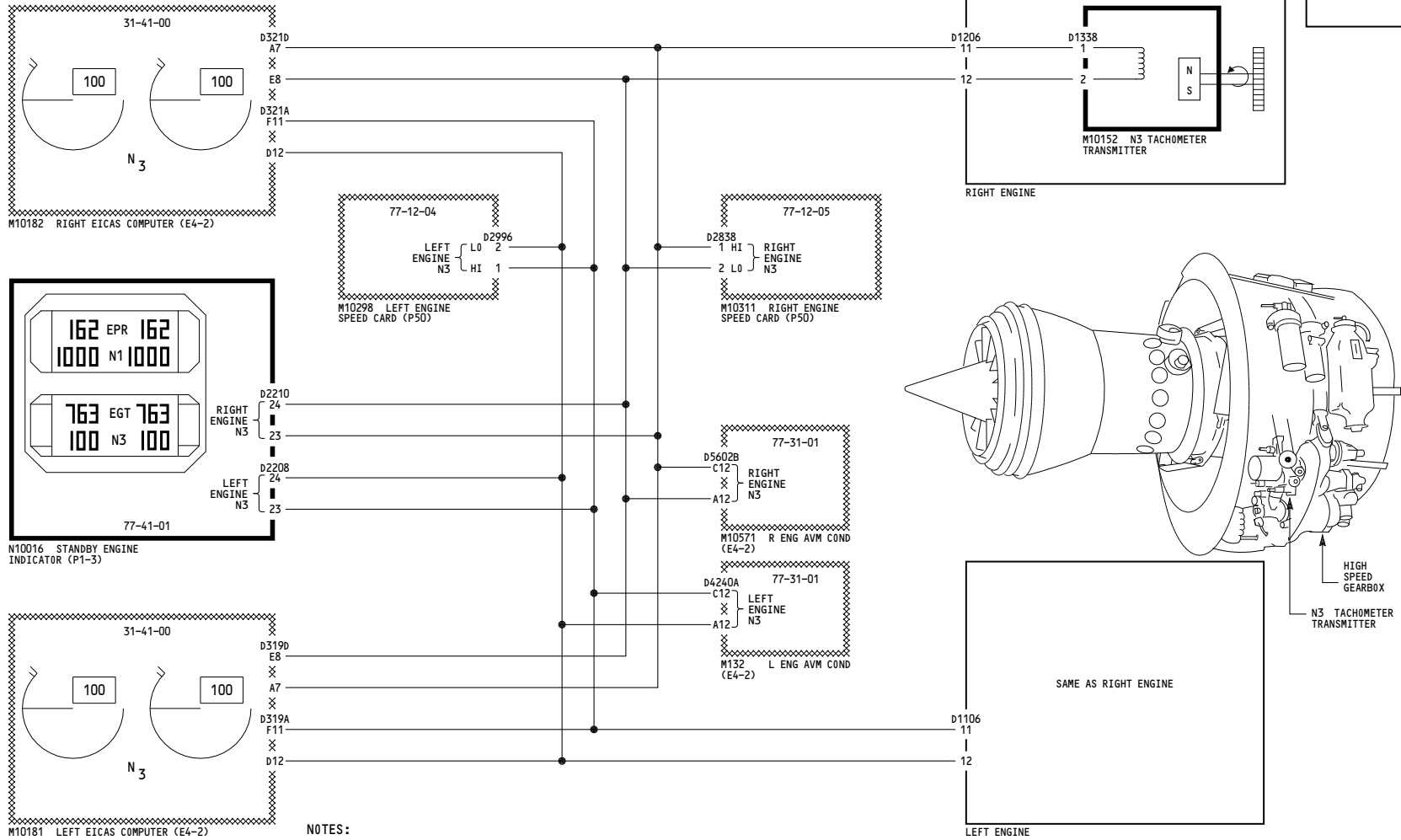


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| ALL | <p>ENGINE N2 TACHOMETER INDICATION</p> <p>D280N032S</p> |
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77-12-02

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5000

WIRING DIAGRAMS
77-12-31



NOTES:
FOR COMPONENT LOCATION
SEE 77-00-00

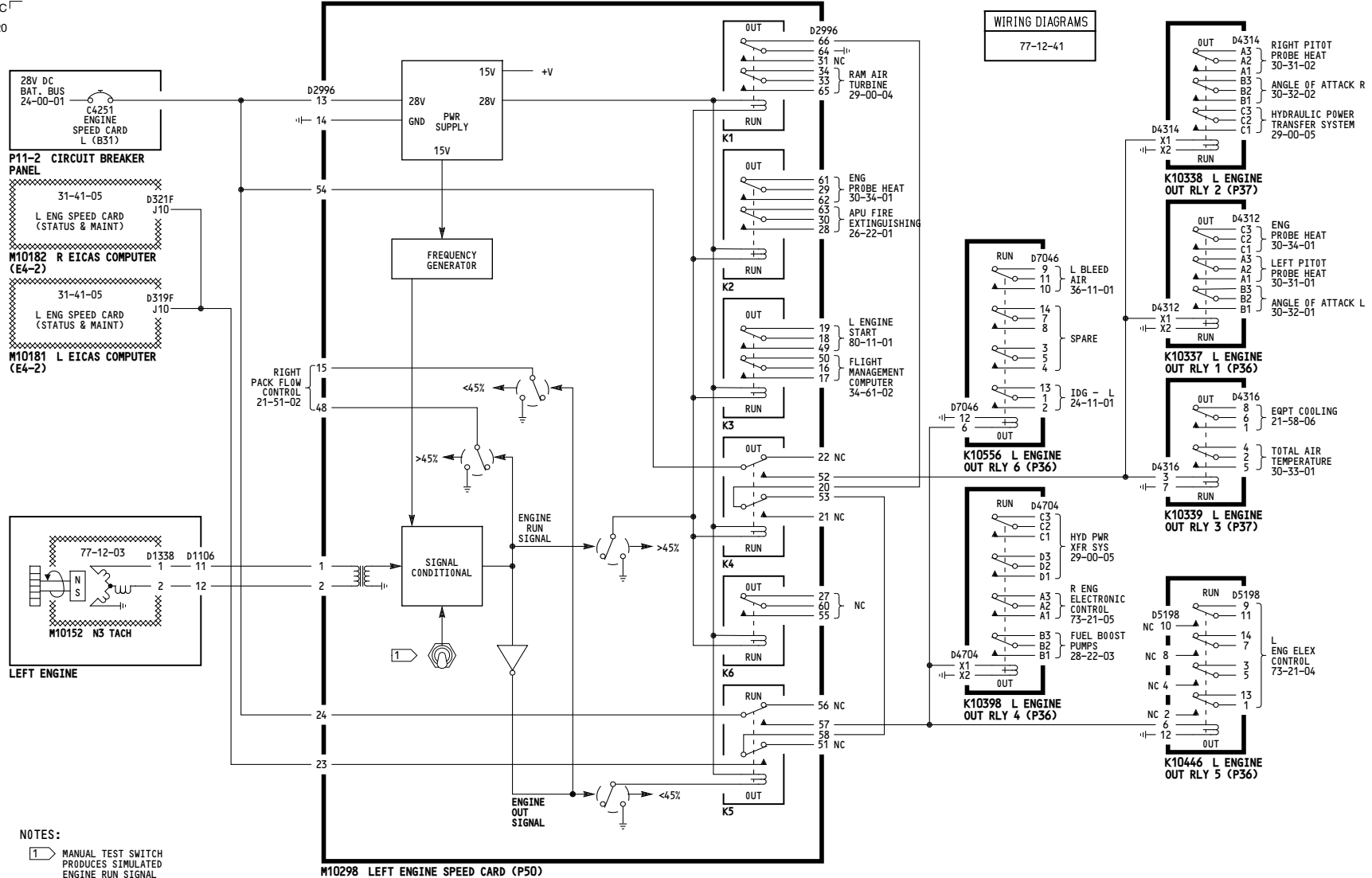
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| ALL | <p>ENGINE N3 TACHOMETER INDICATION</p> <p>D280N032S</p> |
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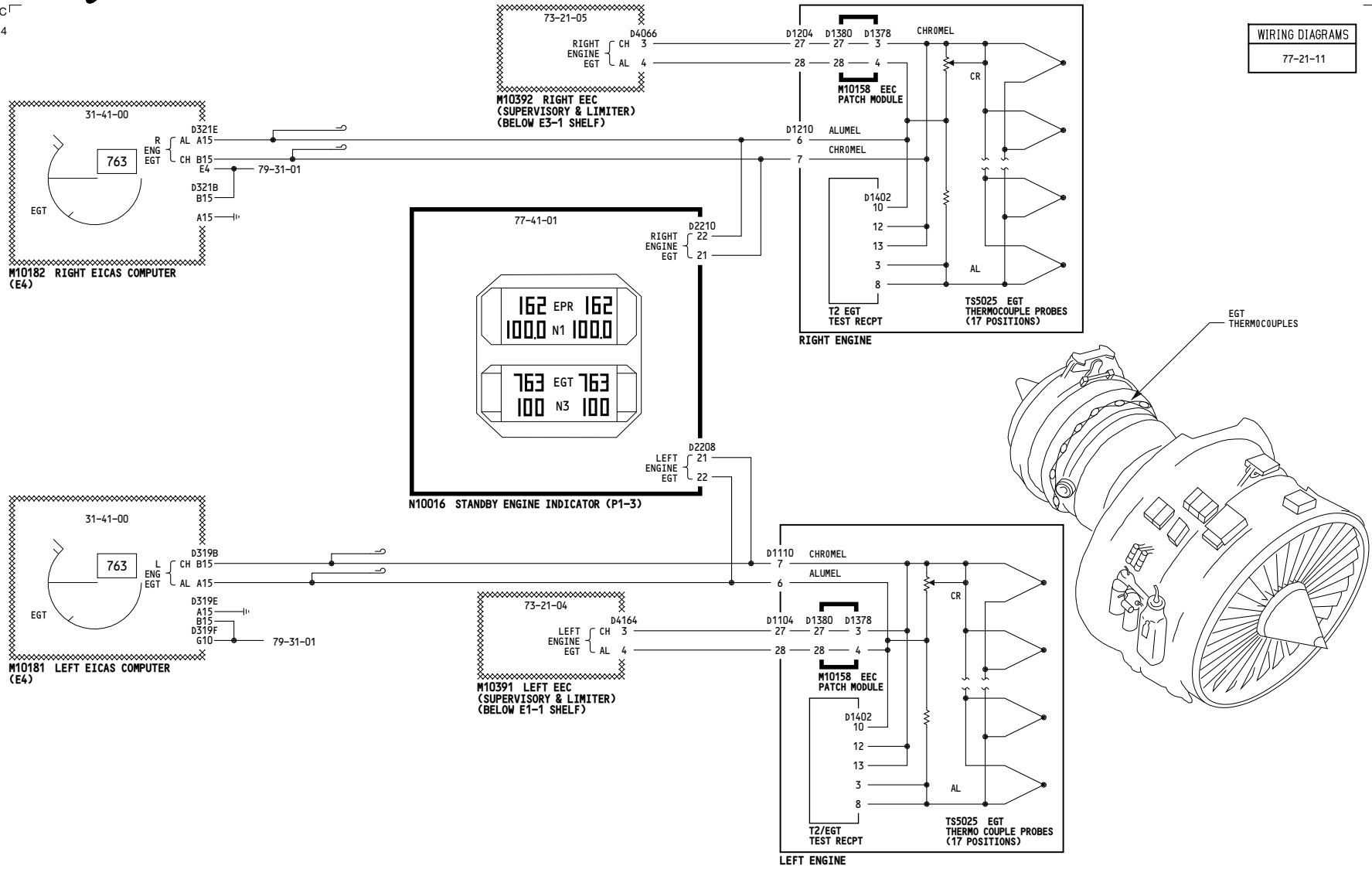
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| ALL | LEFT ENGINE SPEED SENSING |
| | D280N032S |

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WIRING DIAGRAMS
77-21-11



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|---------|---|
| 001-099 | <p>EXHAUST GAS TEMPERATURE INDICATION</p> <p>D280N032S</p> |
|---------|---|

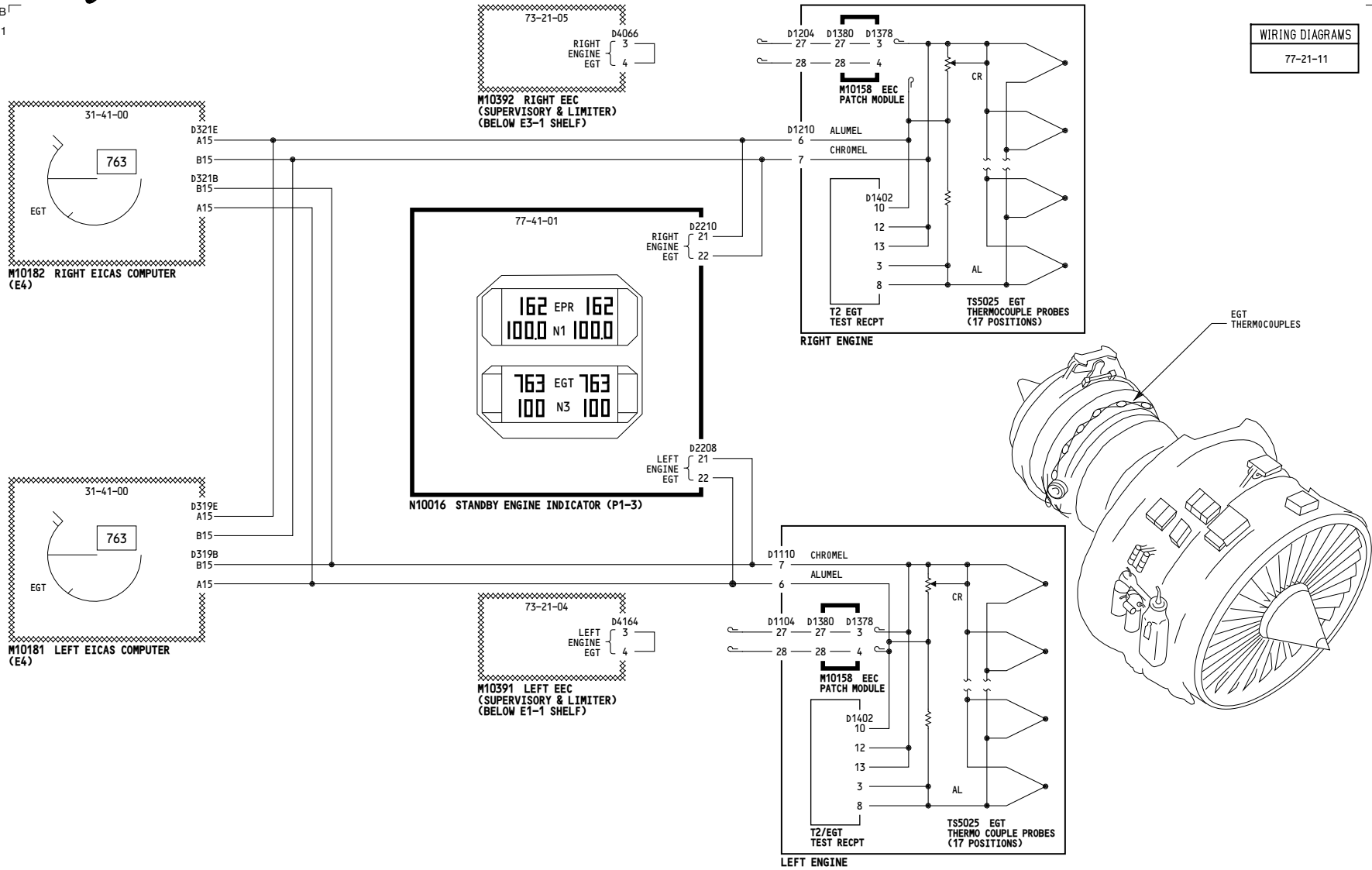
77-21-01

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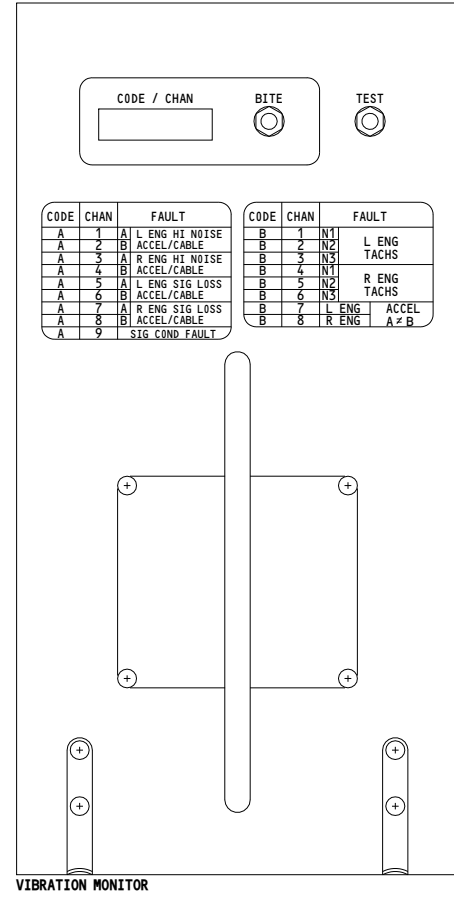
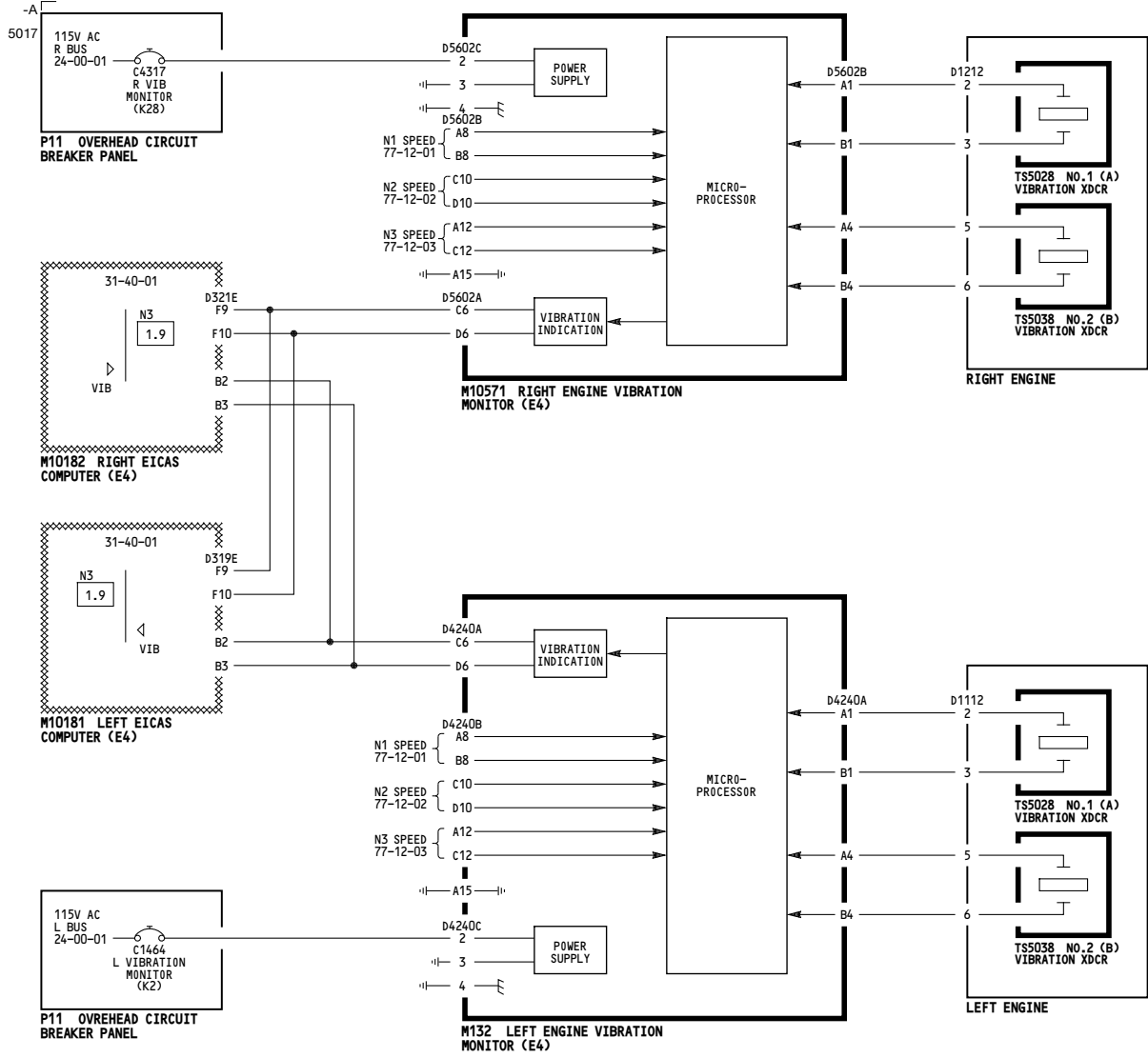
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|---------|---|
| 115-199 | <p>EXHAUST GAS TEMPERATURE INDICATION</p> <p>D280N032S</p> |
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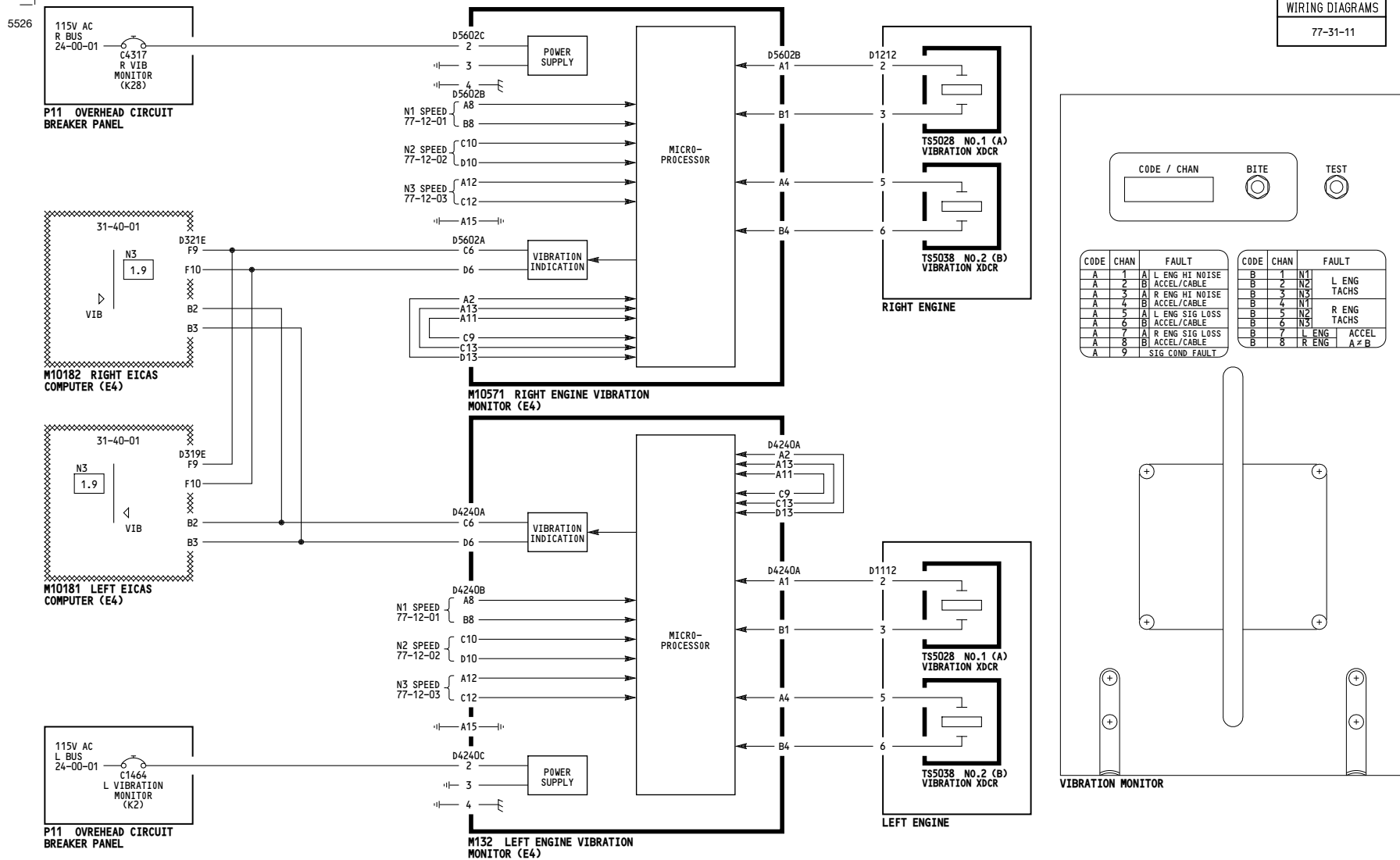


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AIRBORNE VIBRATION MONITORING SYSTEM

D280N032S

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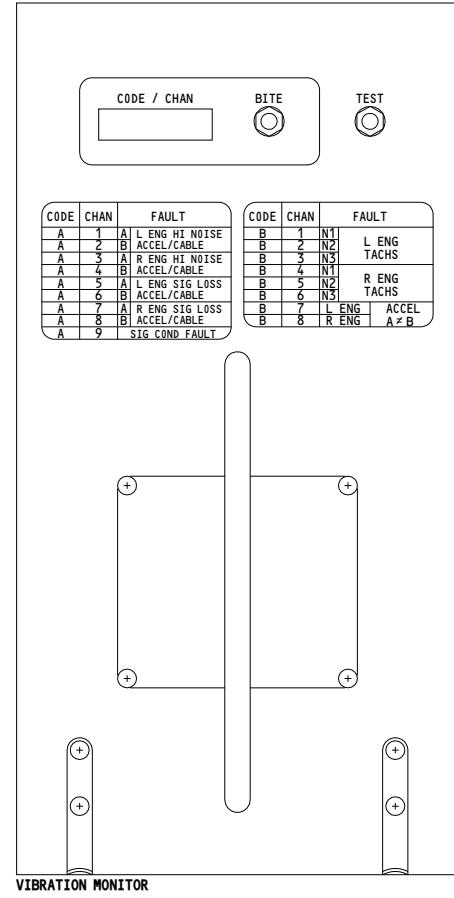
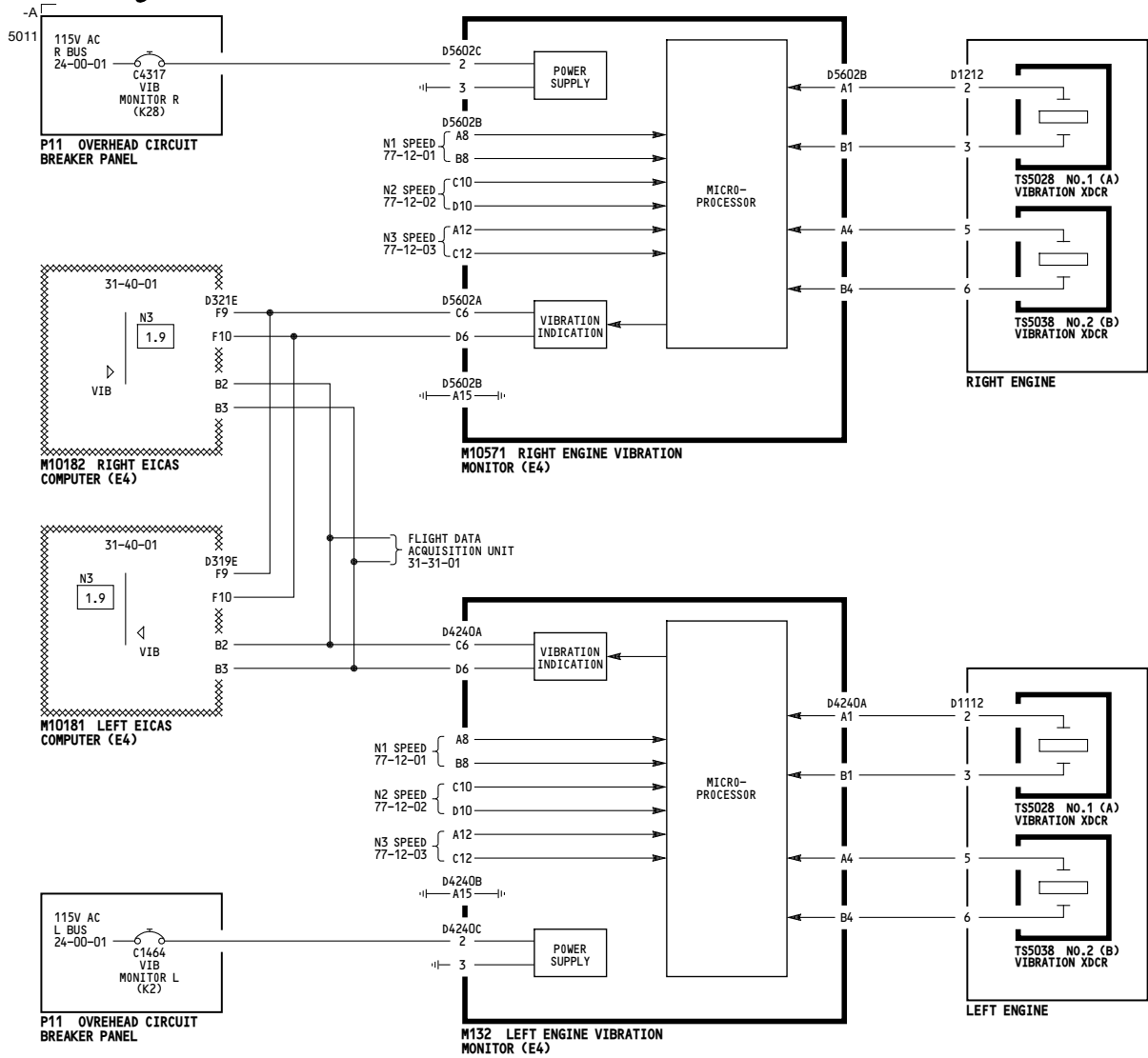
| CODE | CHAN | FAULT | CODE | CHAN | FAULT |
|------|------|------------------|------|------|-----------|
| A | 1 | A L ENG HI NOISE | B | 1 | N1 |
| A | 2 | B ACCEL/CABLE | B | 2 | N2 |
| A | 3 | A R ENG HI NOISE | B | 3 | N3 |
| A | 4 | B ACCEL/CABLE | B | 4 | N1 |
| A | 5 | A L ENG SIG LOSS | B |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

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AIRBORNE VIBRATION MONITORING SYSTEM

D280N032S

Incorporates
SB 77-0009 R01

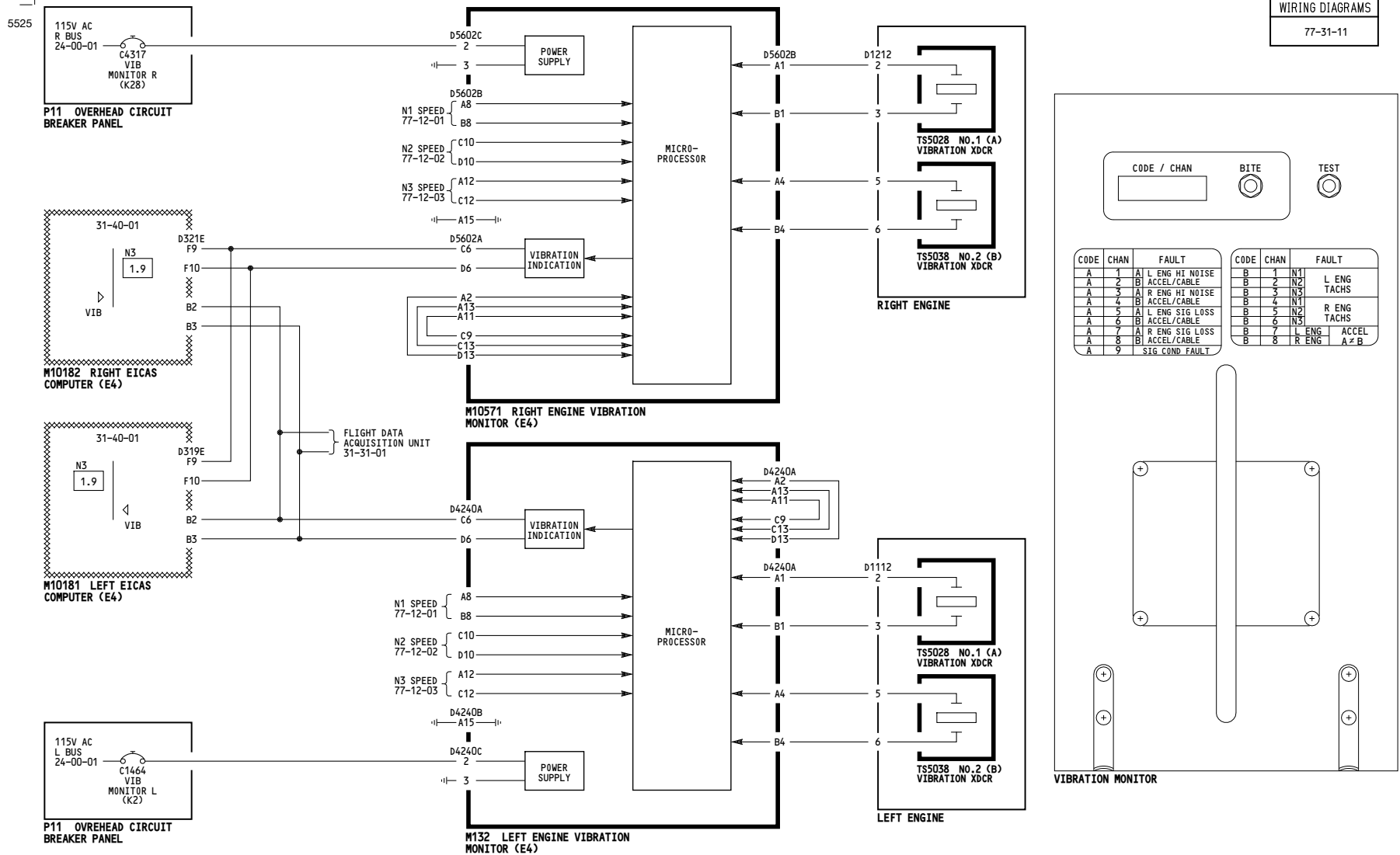


| CODE | CHAN | FAULT | CODE | CHAN | FAULT |
|------|------|----------------|------|------|-----------------|
| A | 1 | L ENG HI NOISE | B | 1 | N1 |
| A | 2 | B ACCEL/CABLE | B | 2 | N2 |
| A | 3 | R ENG HI NOISE | B | 3 | N3 |
| A | 4 | B ACCEL/CABLE | B | 4 | N1 |
| A | 5 | L ENG SIG LOSS | B | 5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

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AIRBORNE VIBRATION MONITORING SYSTEM

D280N032S



| CODE | CHAN | FAULT | CODE | CHAN | FAULT |
|------|------|------------------|------|------|-------------|
| A | 1 | A 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 A-B |
| A | 9 | SIG COND FAULT | | | |

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AIRBORNE VIBRATION MONITORING SYSTEM

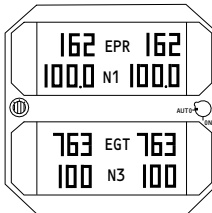
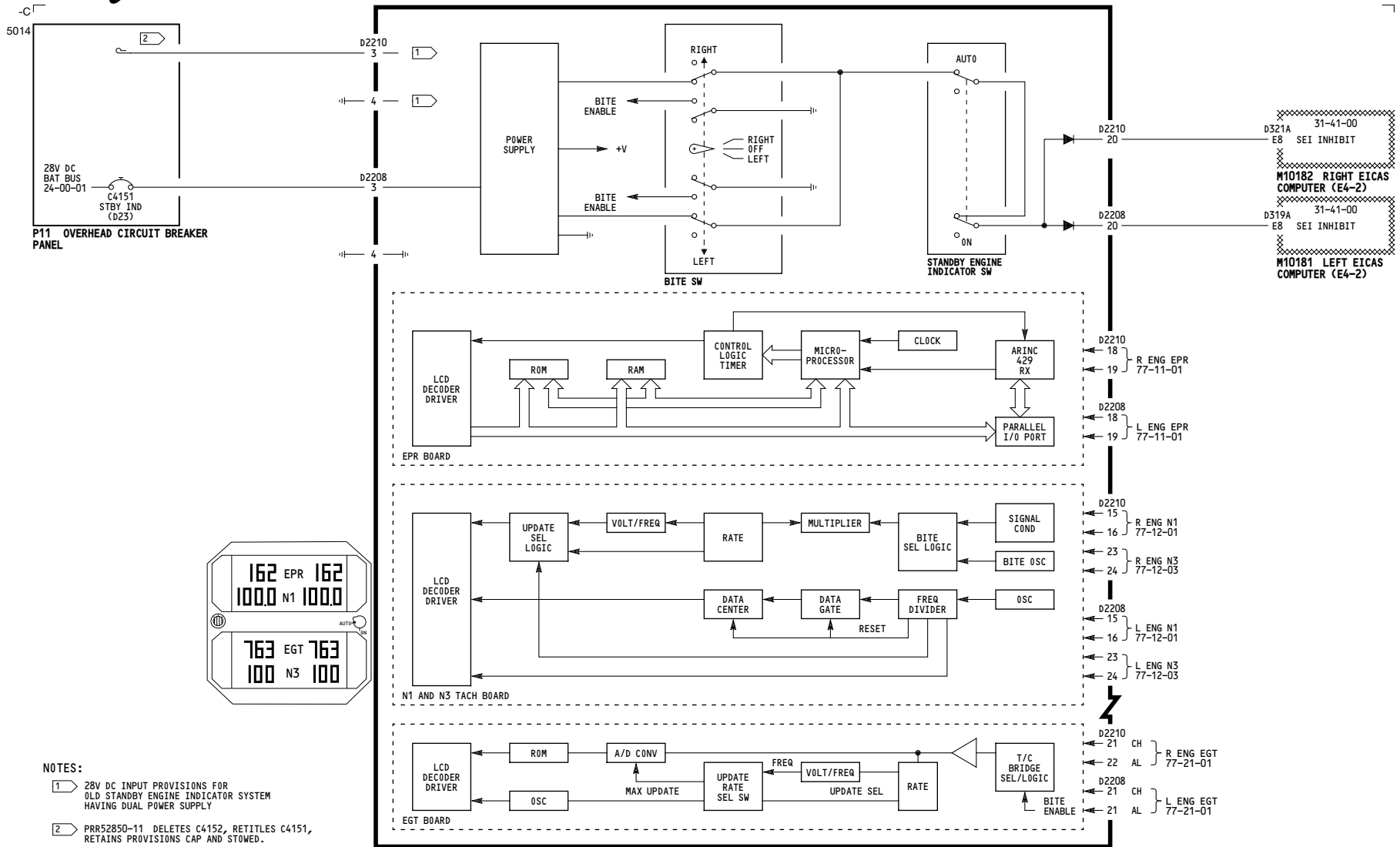
Incorporates
SB 77-0009 R01

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- 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)

001-099

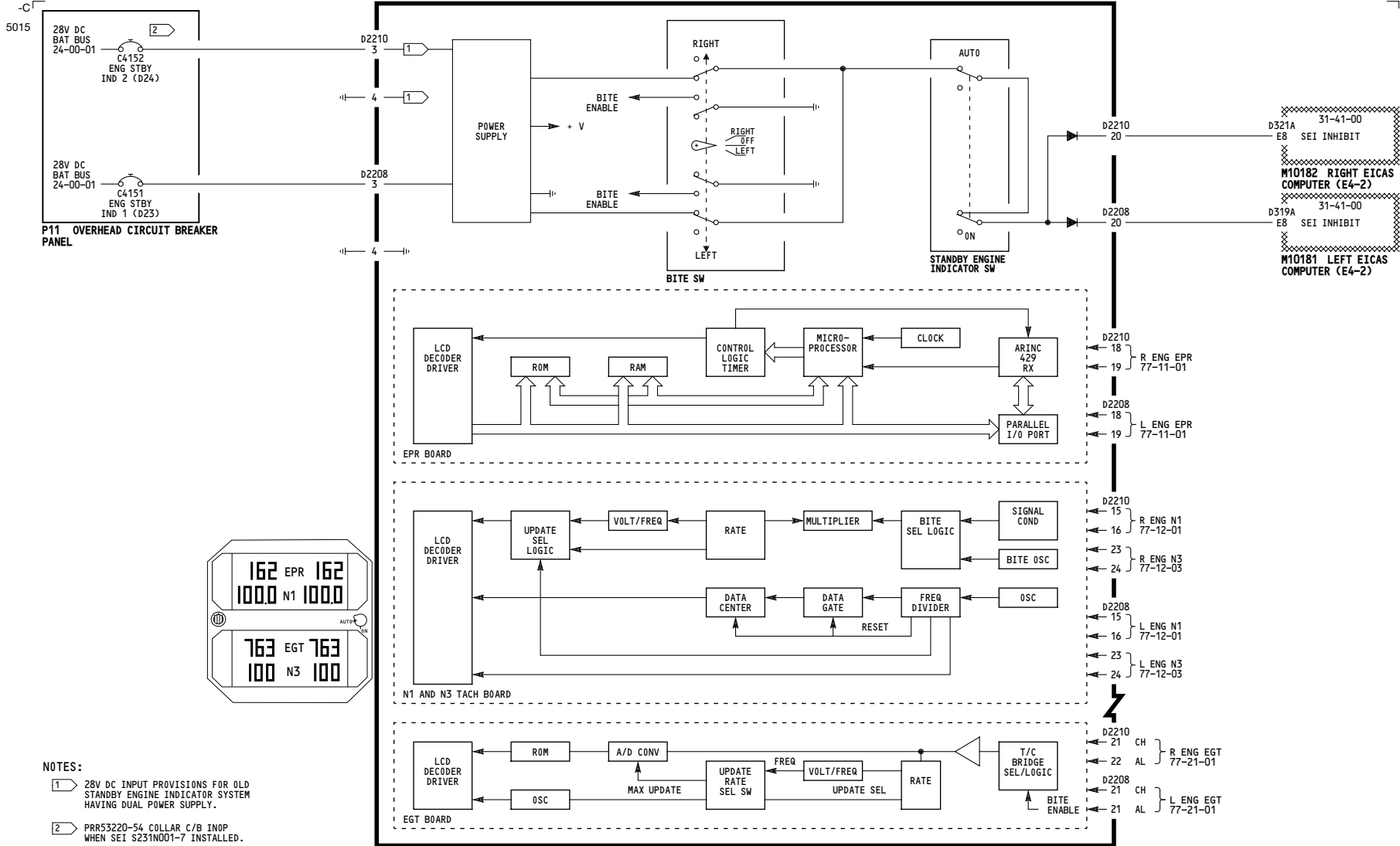
STANDBY ENGINE INDICATOR

D280N032S

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- NOTES:**
- 1 28V DC INPUT PROVISIONS FOR OLD STANDBY ENGINE INDICATOR SYSTEM HAVING DUAL POWER SUPPLY.
 - 2 PRR53220-54 COLLAR C/D INOP WHEN SEI S231N001-7 INSTALLED.

N10016 STANDBY ENGINE INDICATOR (P1-3)

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STANDBY ENGINE INDICATOR

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