

**CHAPTER**

**71**

**POWER PLANT**



767-200/300

# WIRING DIAGRAM MANUAL

## CHAPTER 71 POWER PLANT

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| <b><u>ENGINE WIRE HARNESS</u></b> |                 |              |             |              |             |                    |
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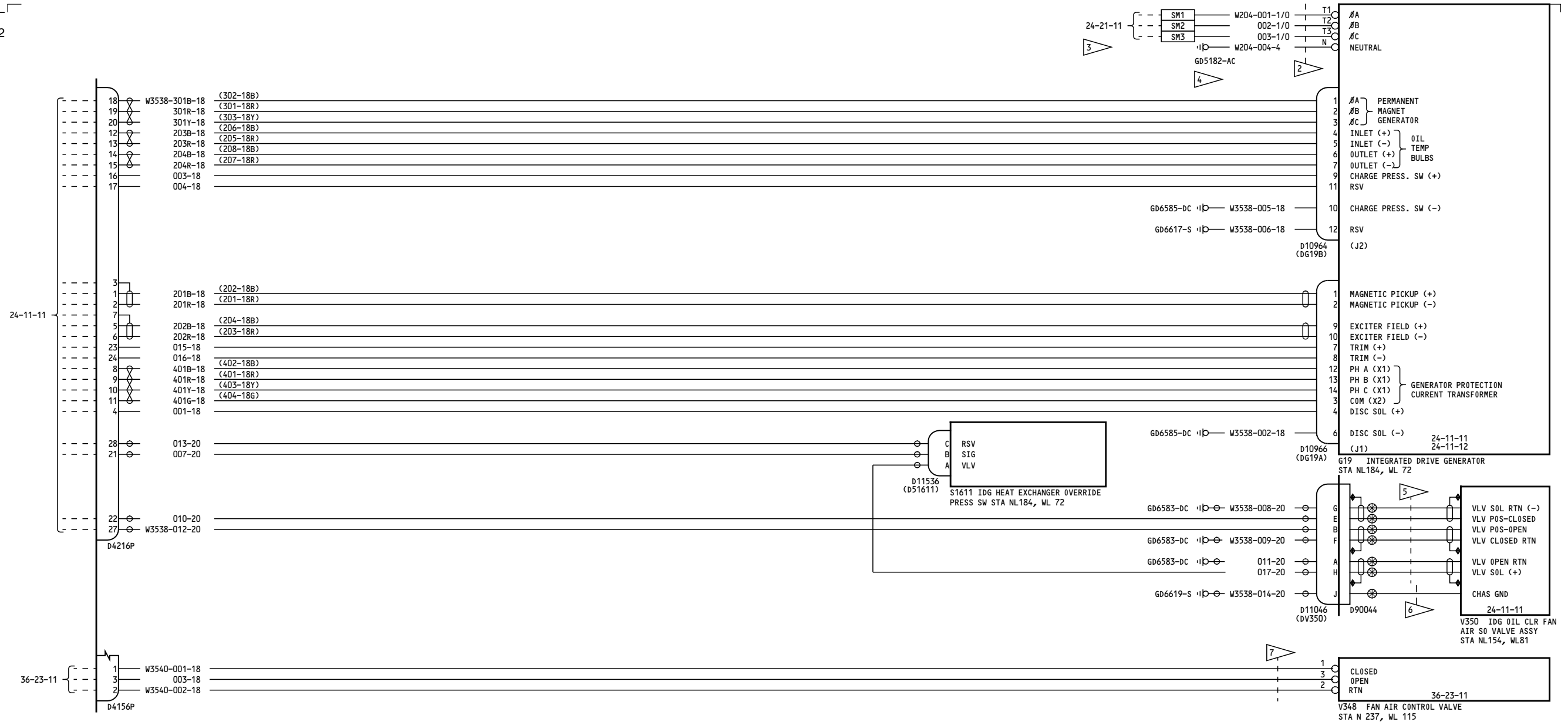
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| <b>CH-SC-SU</b> | <b>Title</b>                   |
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NOTES:  
 WIRE NUMBERS AND EQUIPMENT ITEM NUMBERS SHOWN IN PARENTHESIS,  
 OTHER THAN (D9000) SERIES WHICH ARE BOEING DESIGNATIONS FOR  
 VENDOR SUPPLIED CONNECTORS, ARE MODEL 747 AND ARE FOR REF IF  
 A MODEL 747 ENGINE HAS BEEN INSTALLED ON A 767 AIRPLANE.

SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

2 W/B IS 204 ON LEFT ENGINE; 208 FOR RIGHT ENGINE

3 W/D IS 24-21-11 FOR LEFT ENGINE; 24-21-21 FOR RIGHT ENGINE

4 GROUND IS GD5182 FOR W/B 204; GD5248 FOR W/B 208

5 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141511 AWG20

6 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 110359 AWG20

7 W3540 AND ASSOCIATED EQUIPMENT REMAINS ON STRUT WHEN ENGINE IS REMOVED

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**ENGINE WIRING COMPOSITE  
 PW4000**

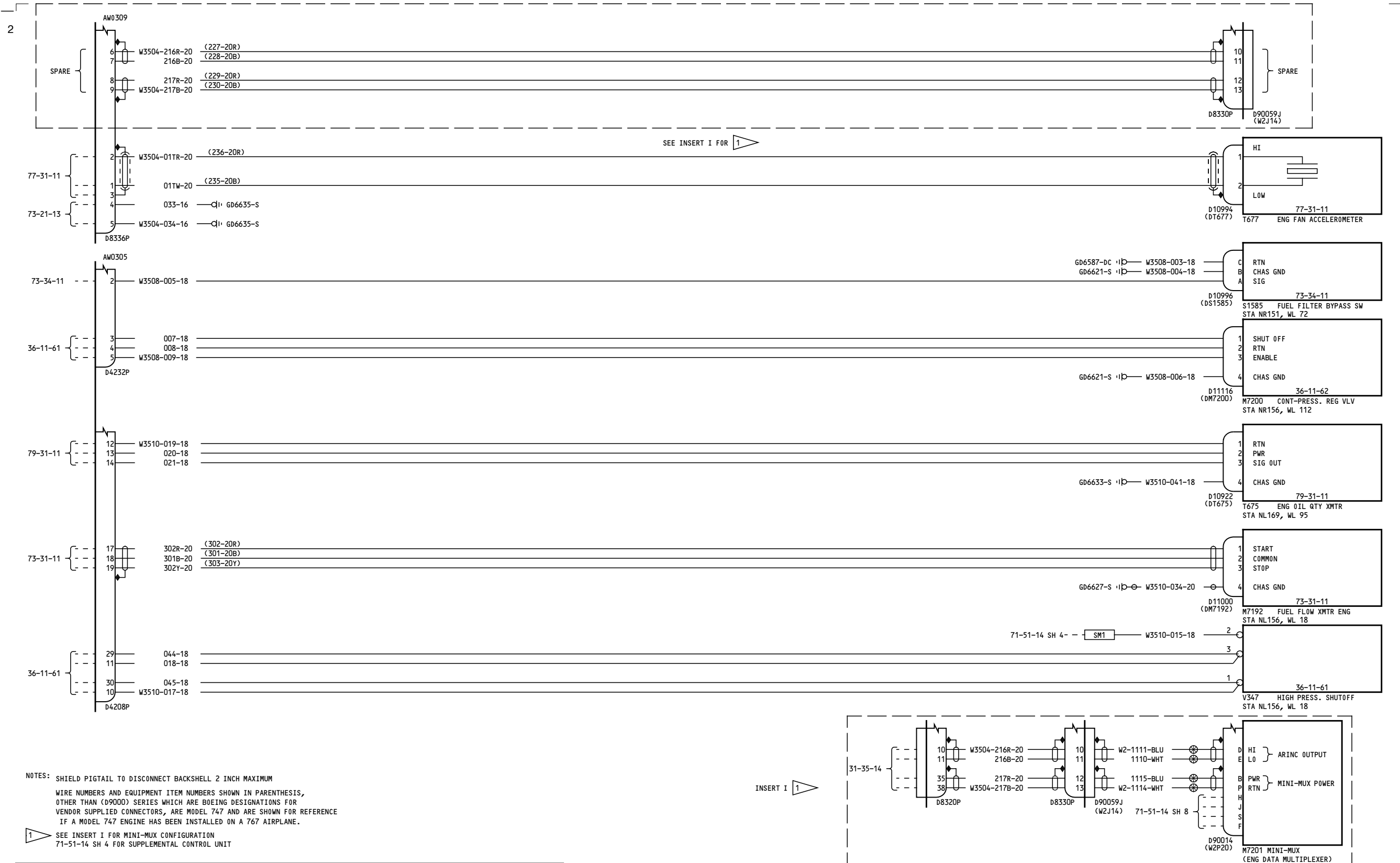
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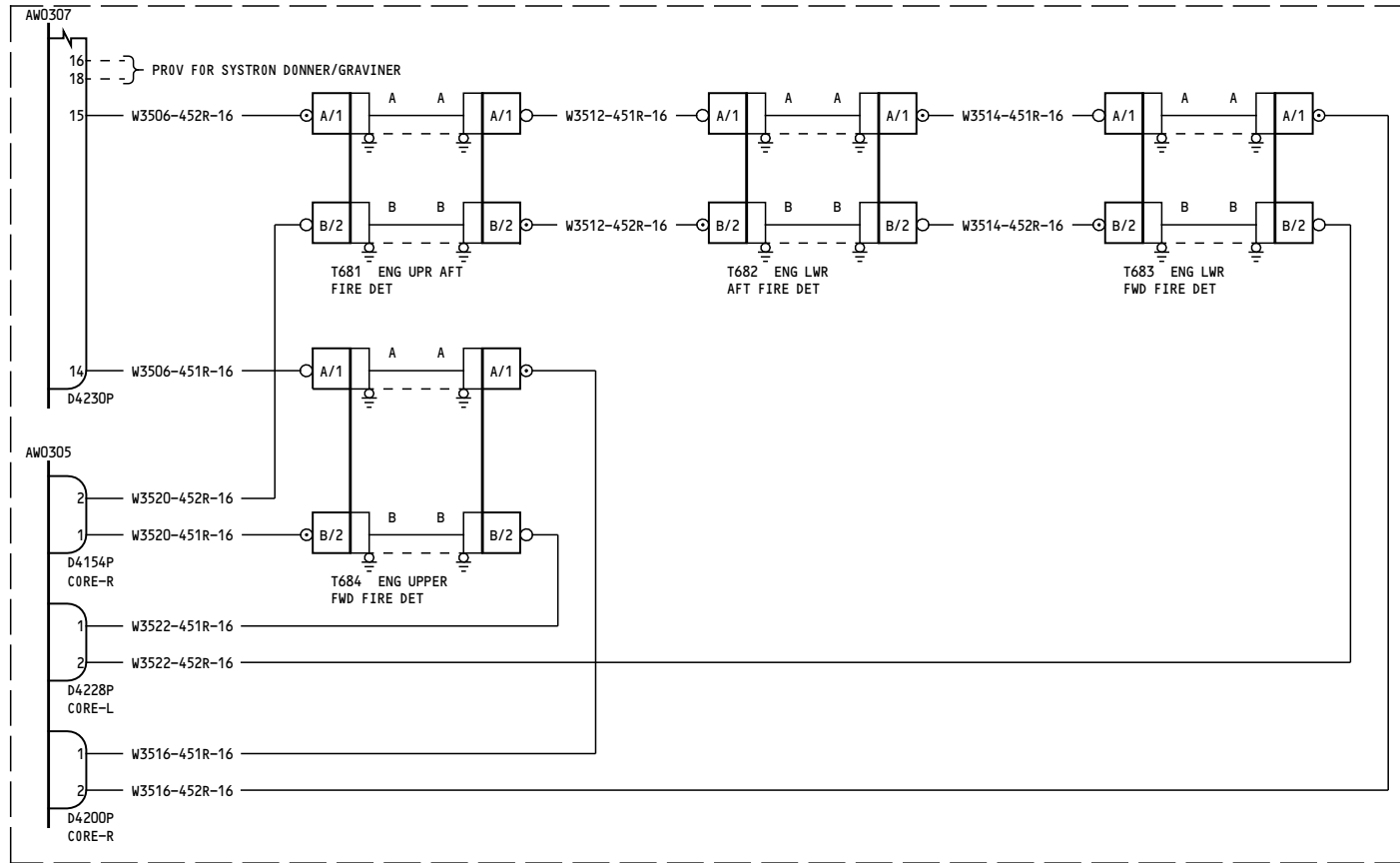
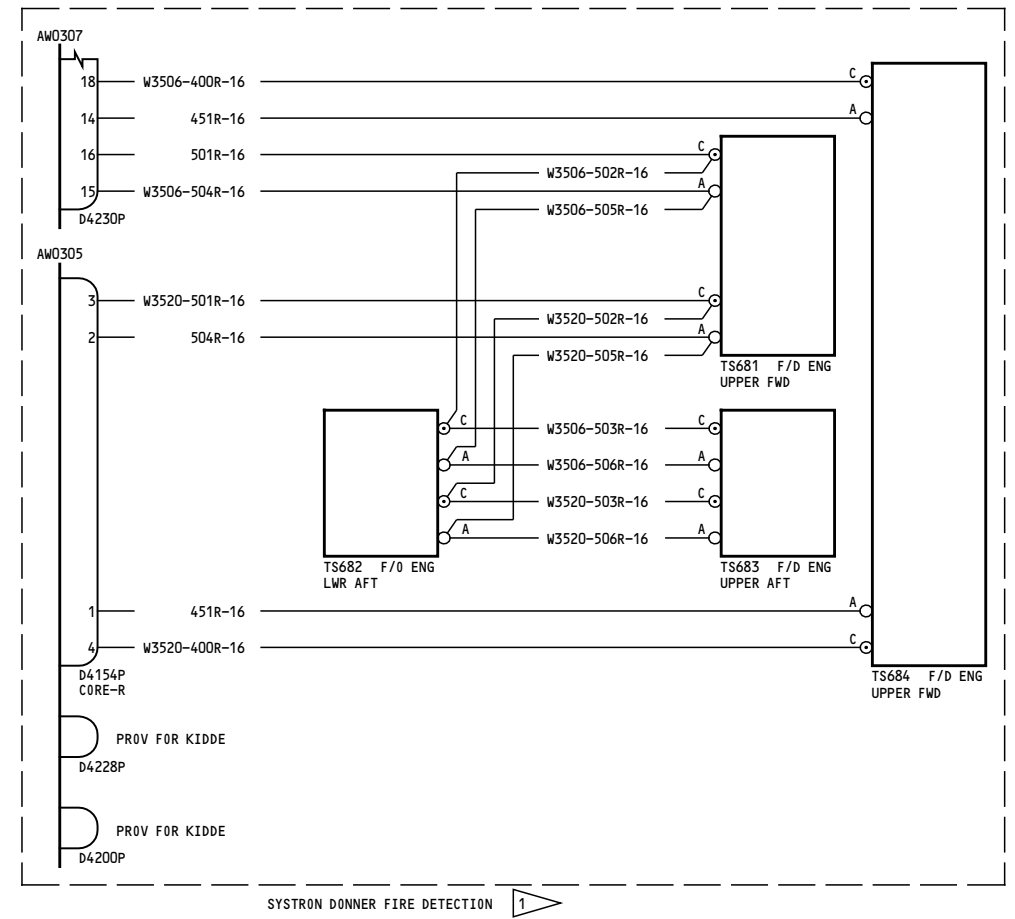
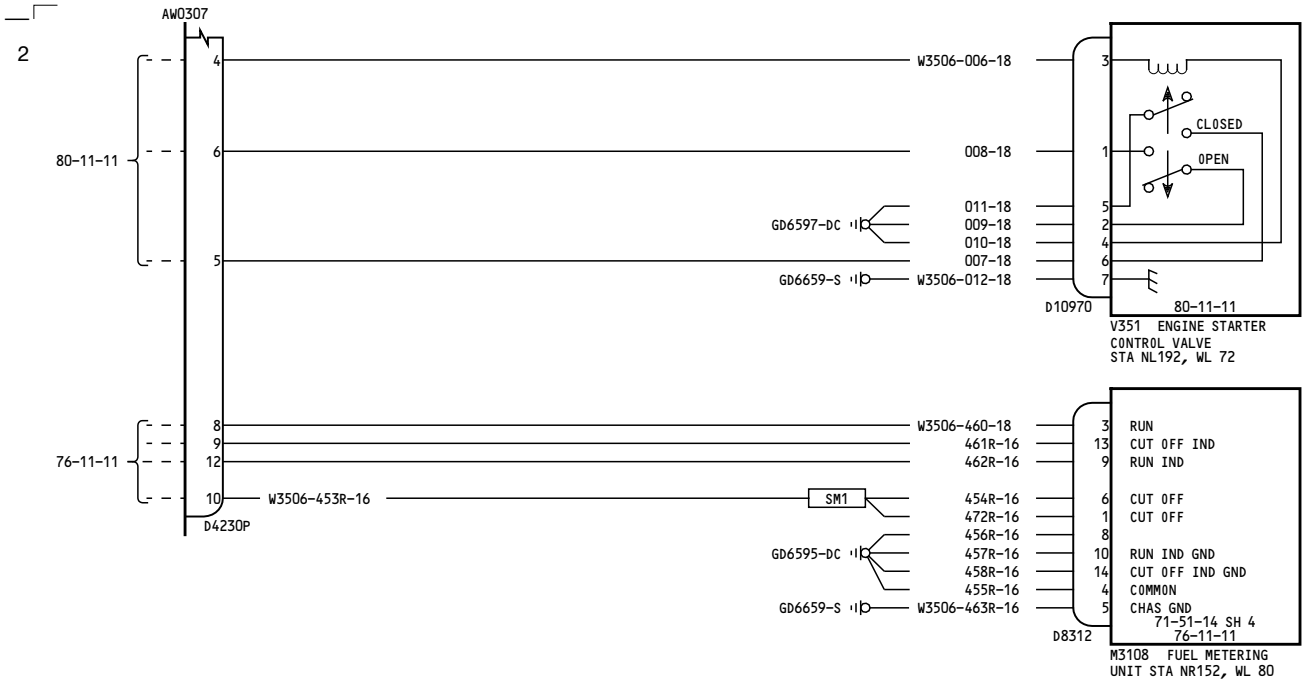
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NOTES:  
 1 REFER TO 26-11-11 & 26-11-12 FOR APPLICATION

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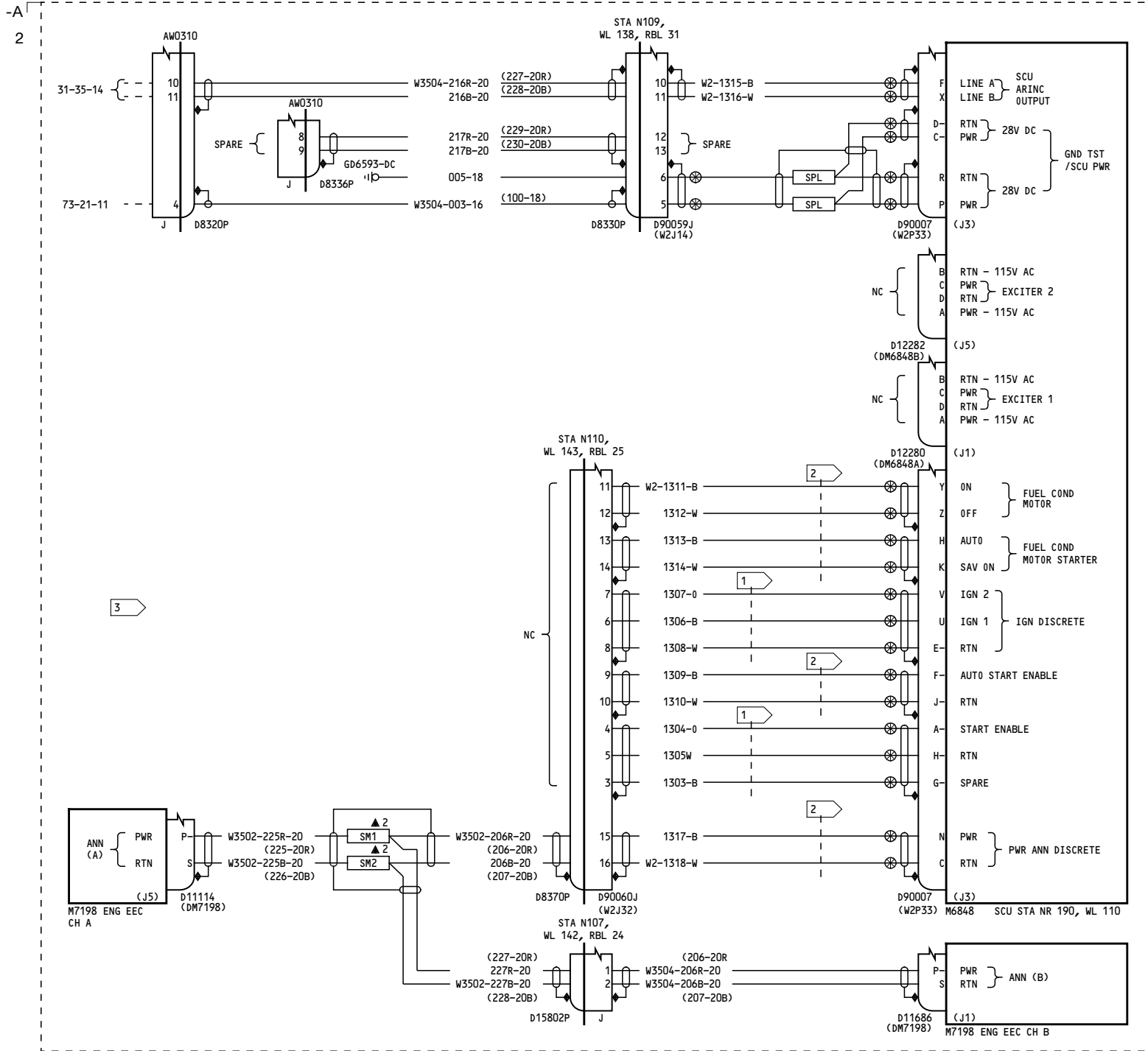
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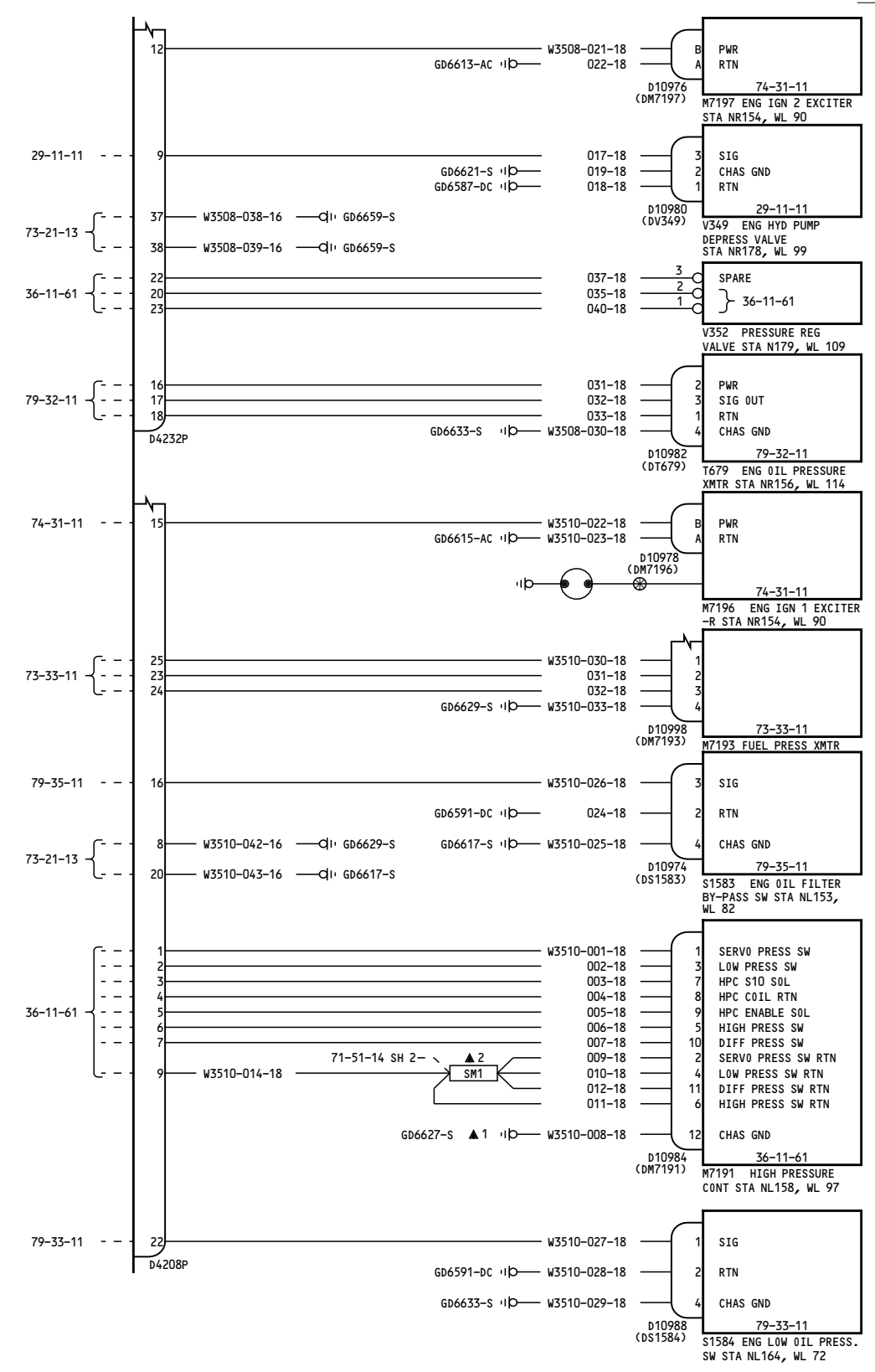
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CONFIGURATION FOR ENGINES WITH SCU

- NOTES:
- 1 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 14152 AWG 20
  - 2 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 14151 AWG 20
  - 3 AUTOSTART PROVISIONS HAVE BEEN DELETED.
- SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM
- WIRE NUMBERS AND EQUIPMENT ITEM NUMBERS SHOWN IN PARENTHESIS, OTHER THAN (D9000) SERIES WHICH ARE BOEING DESIGNATIONS FOR VENDOR SUPPLIED CONNECTORS, ARE MODEL 747 AND ARE SHOWN FOR REFERENCE IF A MODEL 747 ENGINE HAS BEEN INSTALLED ON A 767 AIRPLANE.



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PW4000**

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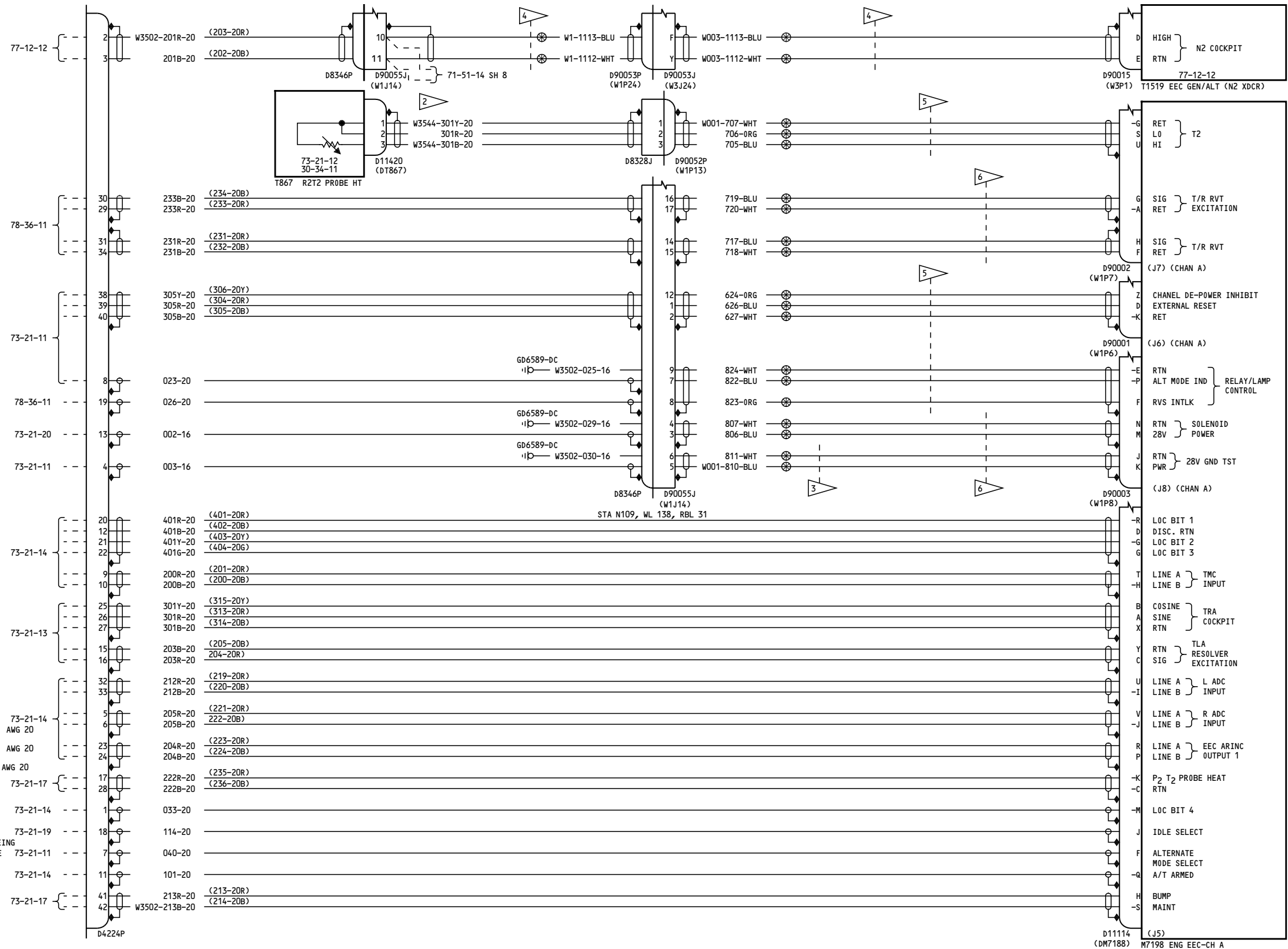
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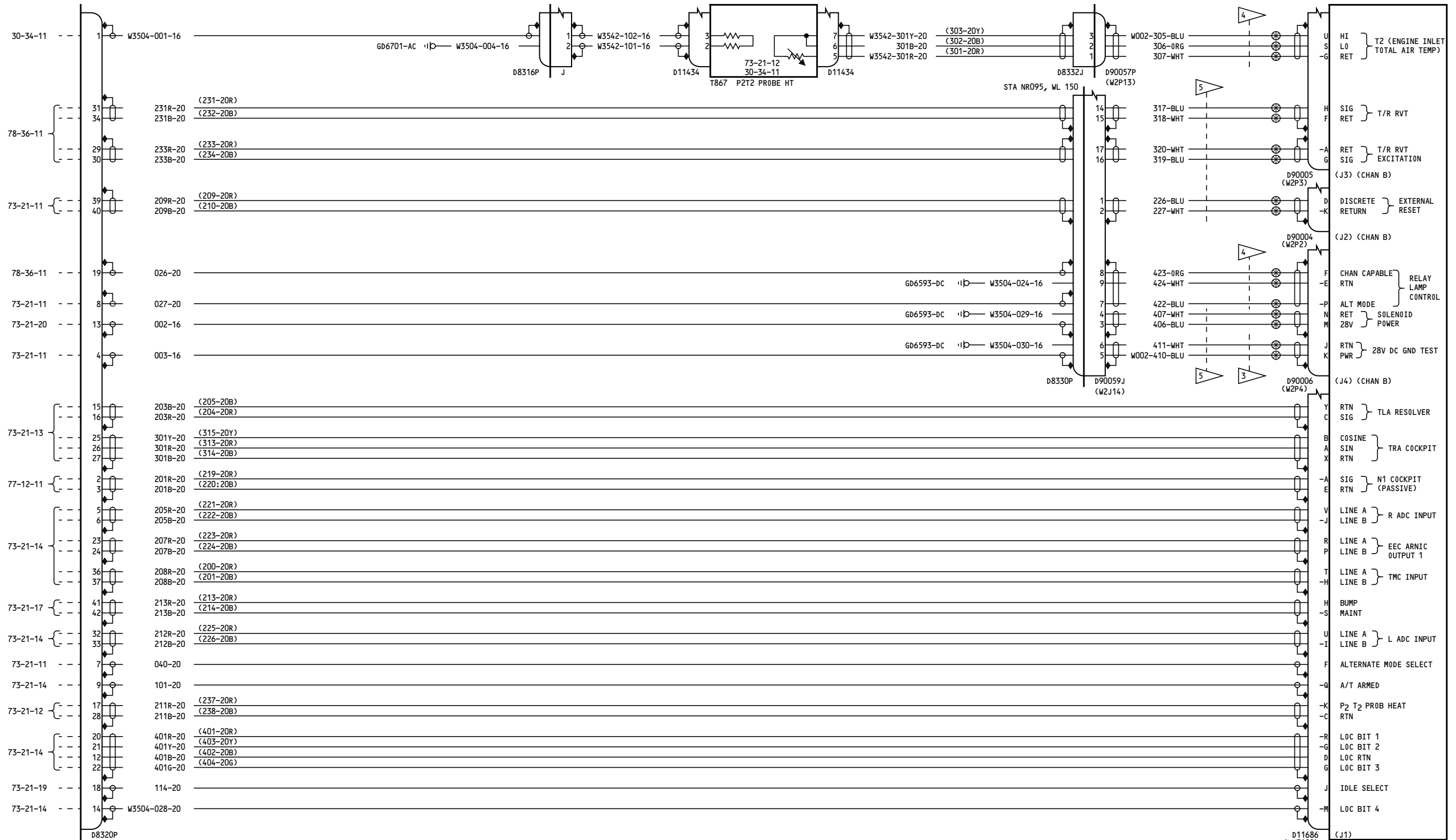
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NOTES:  
 3 APPLICABLE WHEN SCU IS NOT INSTALLED  
 4 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141512 AWG 20  
 5 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141511 AWG 20

SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM  
 WIRE NUMBERS AND EQUIPMENT ITEM NUMBERS SHOWN IN PARENTHESIS,  
 OTHER THAN (D90009) SERIES WHICH ARE BOEING DESIGNATIONS FOR VENDOR  
 SUPPLIED CONNECTORS, ARE MODEL 747 AND ARE SHOWN FOR REFERENCE IF A  
 MODEL 747 ENGINE HAS BEEN INSTALLED ON A 767 AIRPLANE.

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**ENGINE WIRING COMPOSITE  
 PW4000**

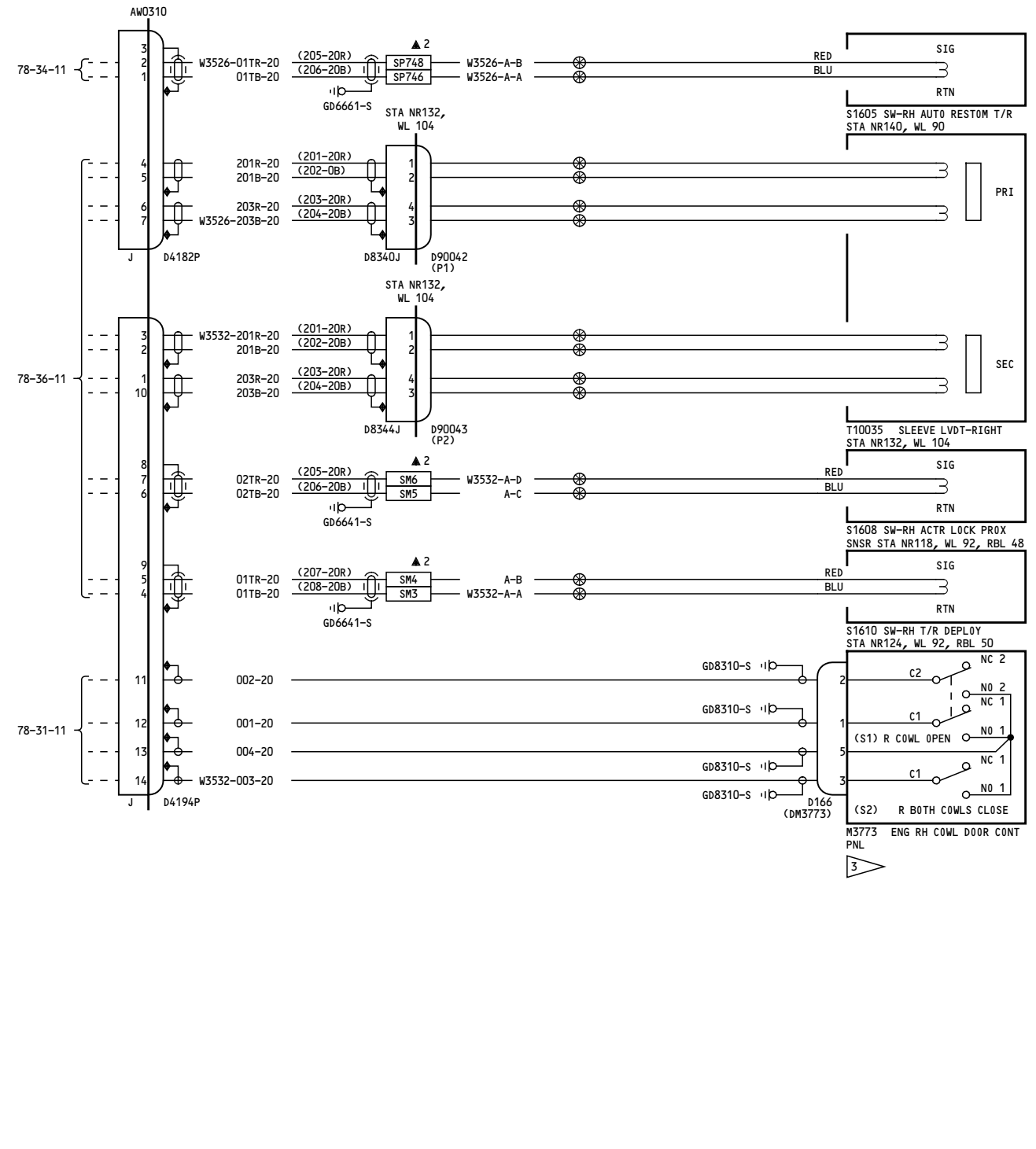
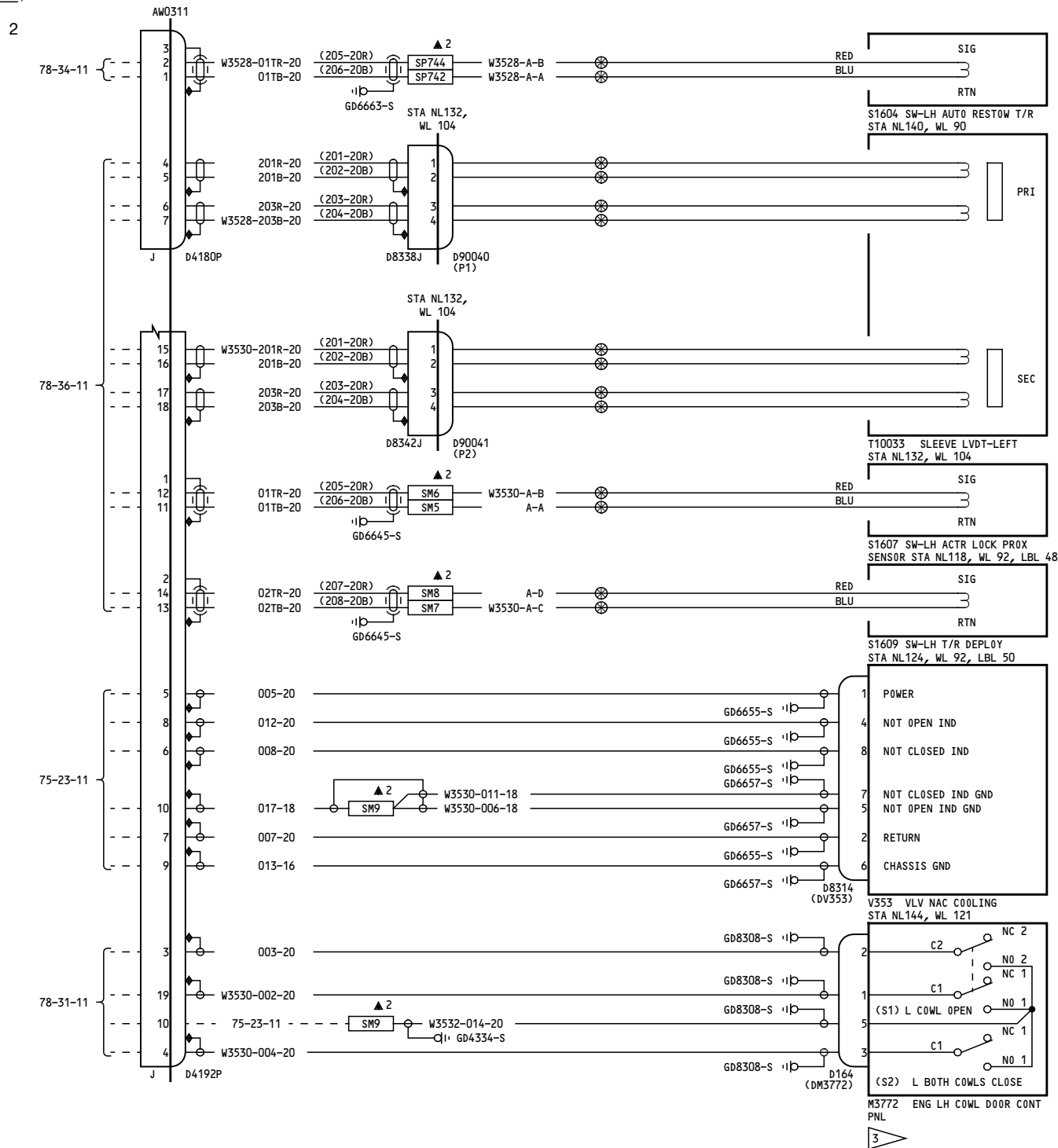
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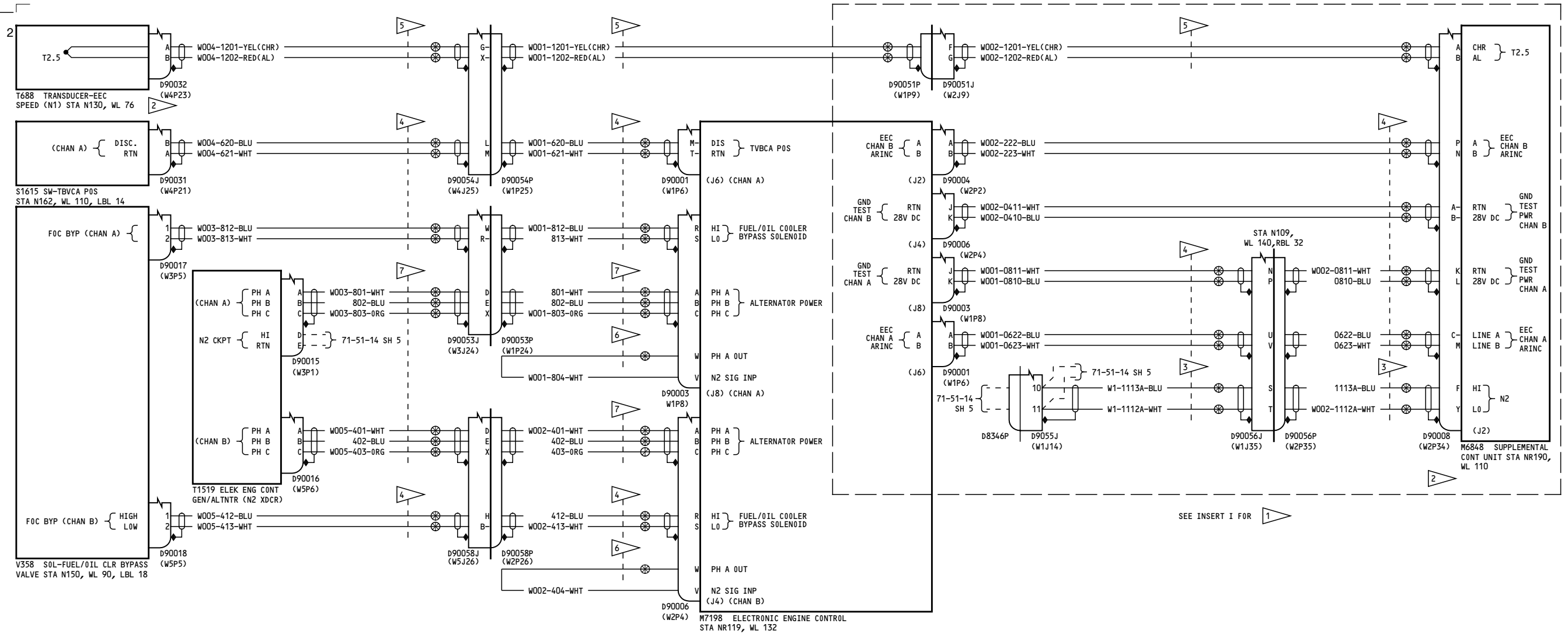
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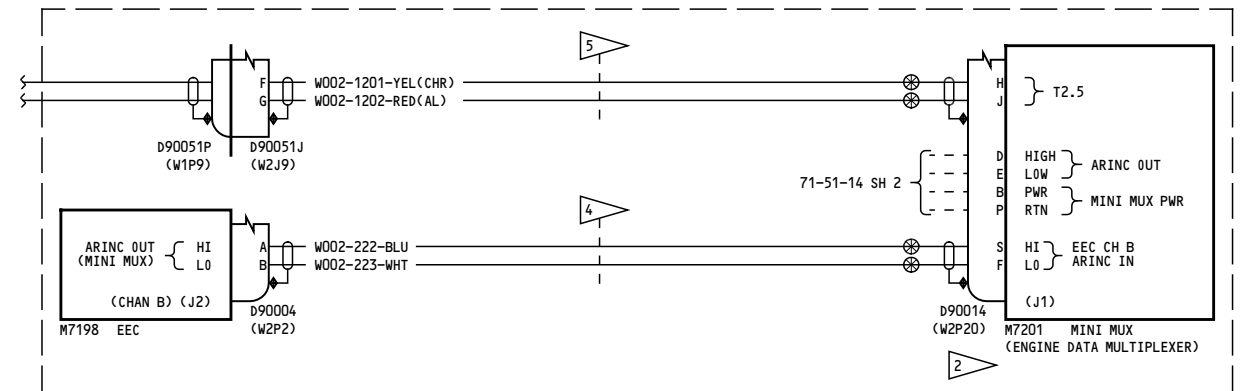
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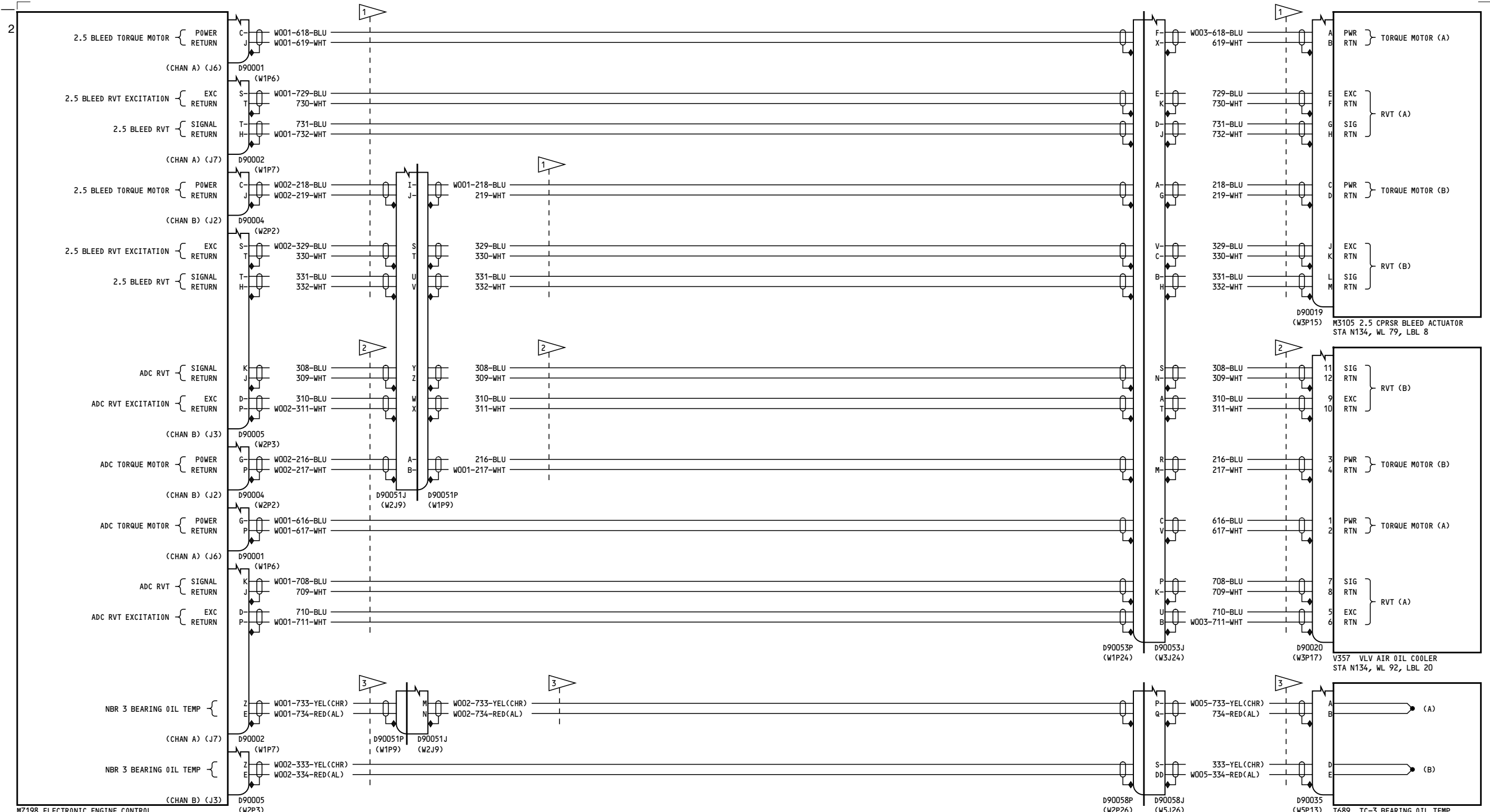
NOTES:  
SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

- 1 INSERT I IS APPLICABLE WHEN SUPPLEMENTAL CONTROL UNIT IS NOT INSTALLED
- 2 APPLICABLE TO ACMS PKG ONLY
- 3 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 151178 AWG 20
- 4 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141511 AWG 20
- 5 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141807 AWG 20
- 6 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 110359 AWG 20
- 7 WIRE TYPE-SIMMONDS PRECISION (V83311) PN 151179 AWG 20

ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT & WHITNEY



INSERT I



M7198 ELECTRONIC ENGINE CONTROL  
STA NR119, WL 132

NOTES:  
SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT & WHITNEY

- 1 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 141511 AWG 20
- 2 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 151178 AWG 20
- 3 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 141807 AWG 20

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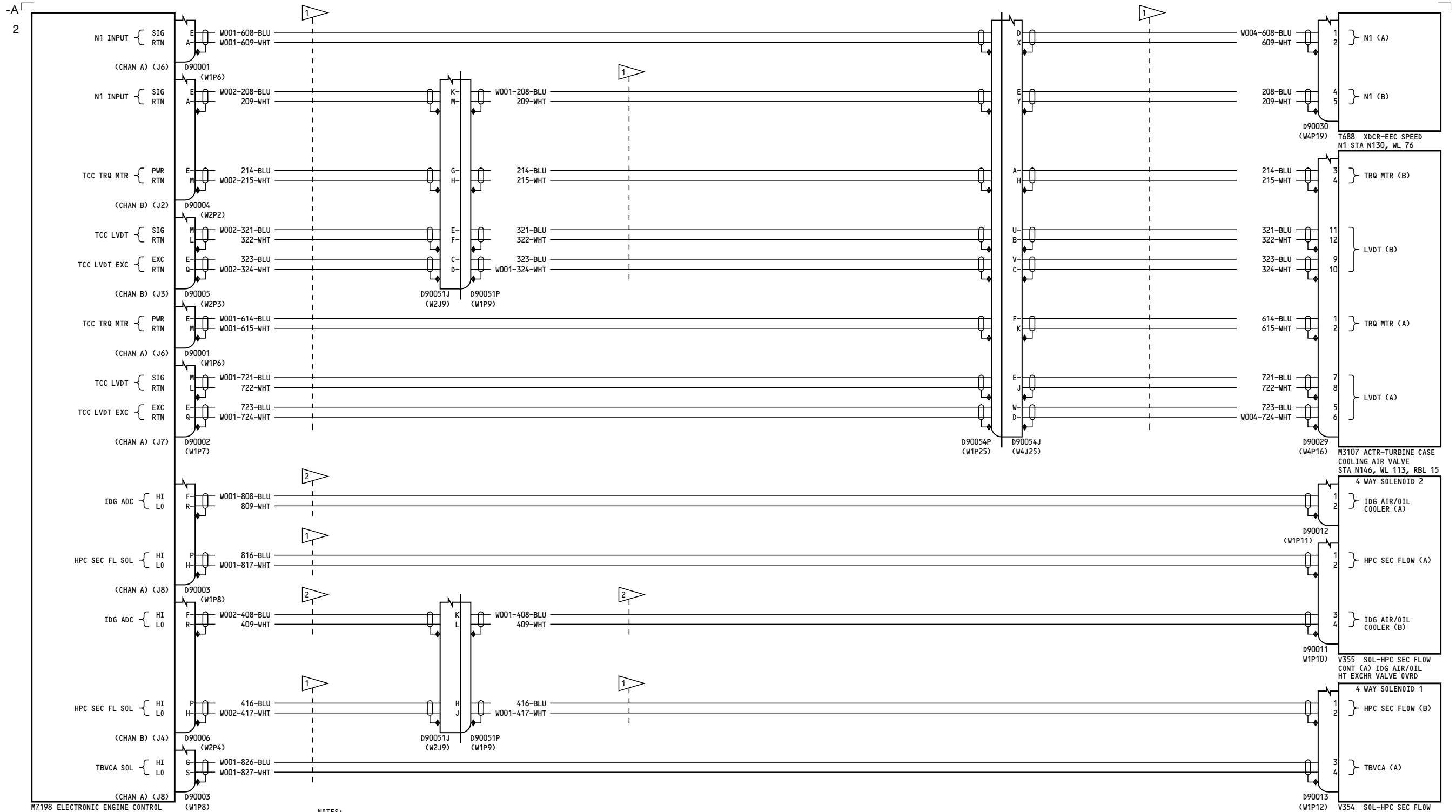
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M7198 ELECTRONIC ENGINE CONTROL  
STA NR119, WL 132

- NOTES:**  
 ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT AND WHITNEY  
 SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM  
 1 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 141511 AWG 20  
 2 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 151178 AWG 20

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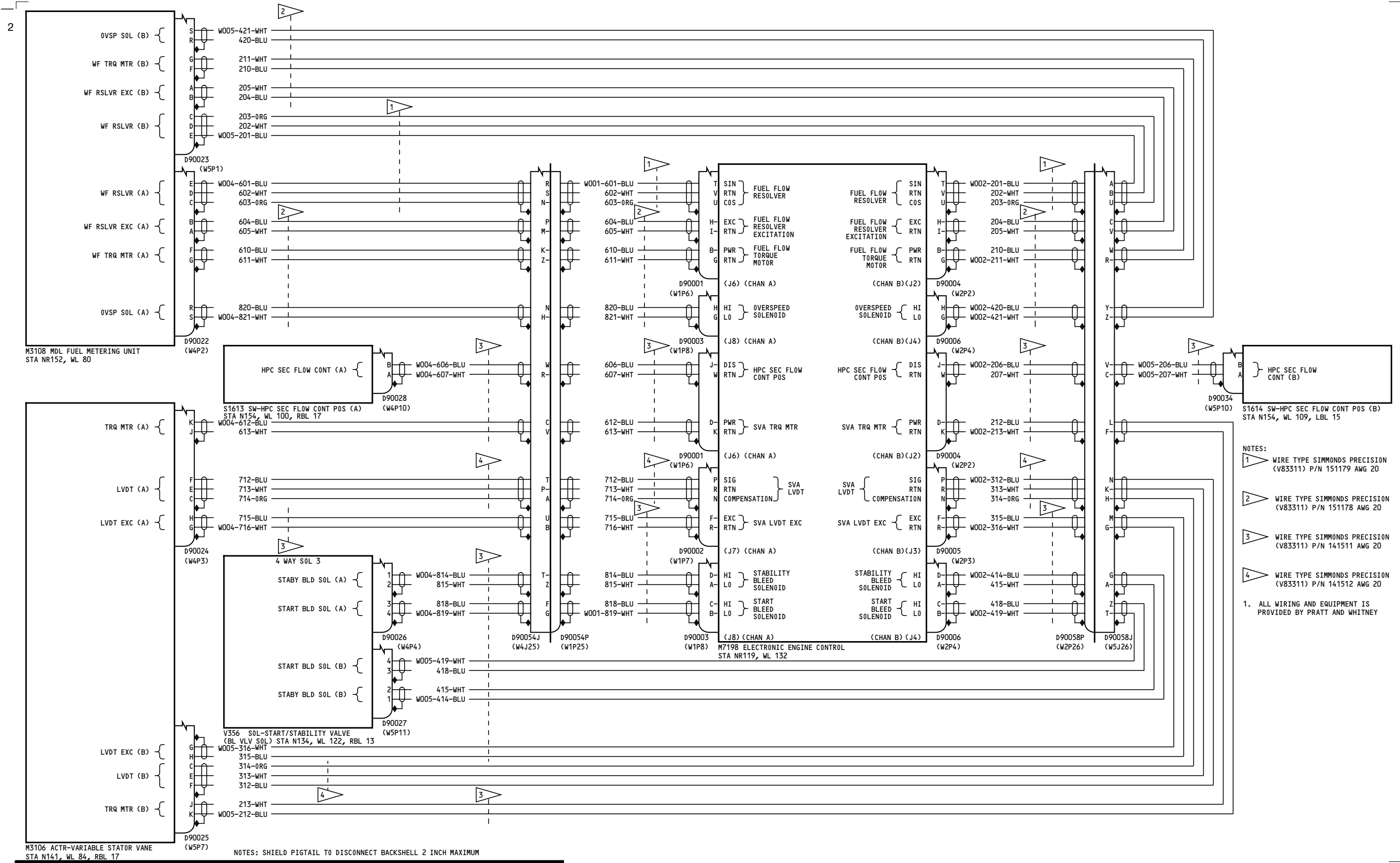
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- NOTES:
- 1 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 151179 AWG 20
  - 2 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 151178 AWG 20
  - 3 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 141511 AWG 20
  - 4 WIRE TYPE SIMMONDS PRECISION (V83311) P/N 141512 AWG 20
1. ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT AND WHITNEY

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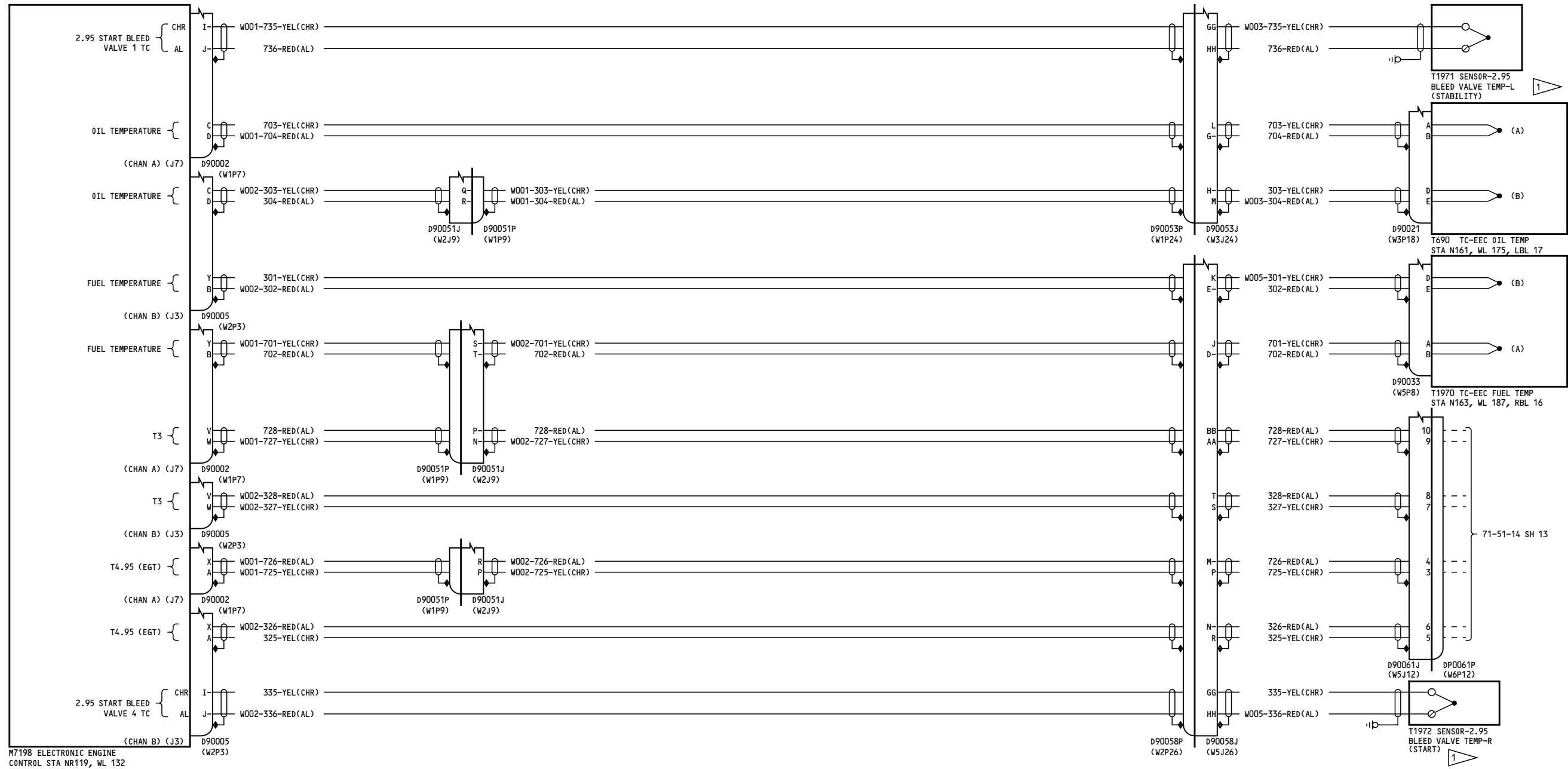
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NOTES:  
 ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT AND WHITNEY  
 ALL WIRE IS SIMMONDS PRECISION (V83311) P/N 141807 AWG 20  
 SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

1 EQUIPMENT IS OPTIONAL AND DOES NOT APPLY TO ALL ENGINES

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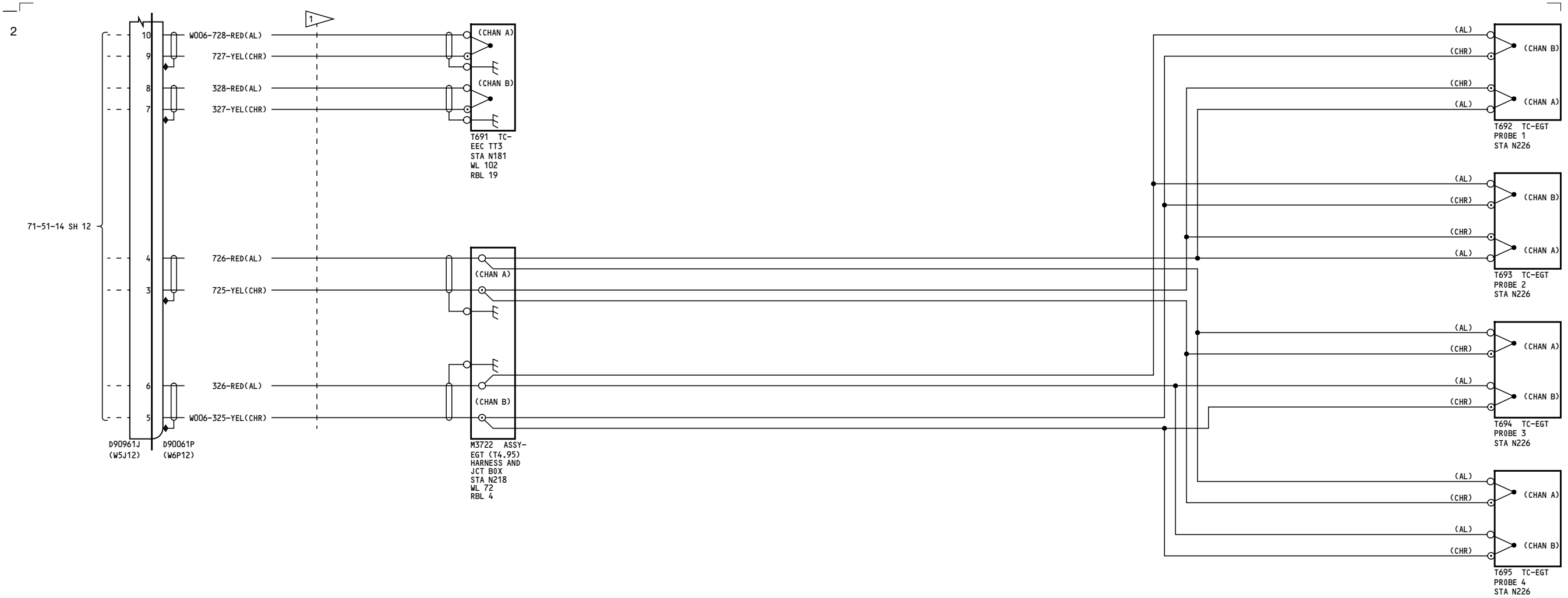
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- NOTES:  
 1. ALL WIRING AND EQUIPMENT IS PROVIDED BY PRATT AND WHITNEY  
 2. SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM
- 1** WIRE TYPE-SIMMONDS PRECISION (V83311) PN 141872 AWG 18

|         |  |
|---------|--|
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