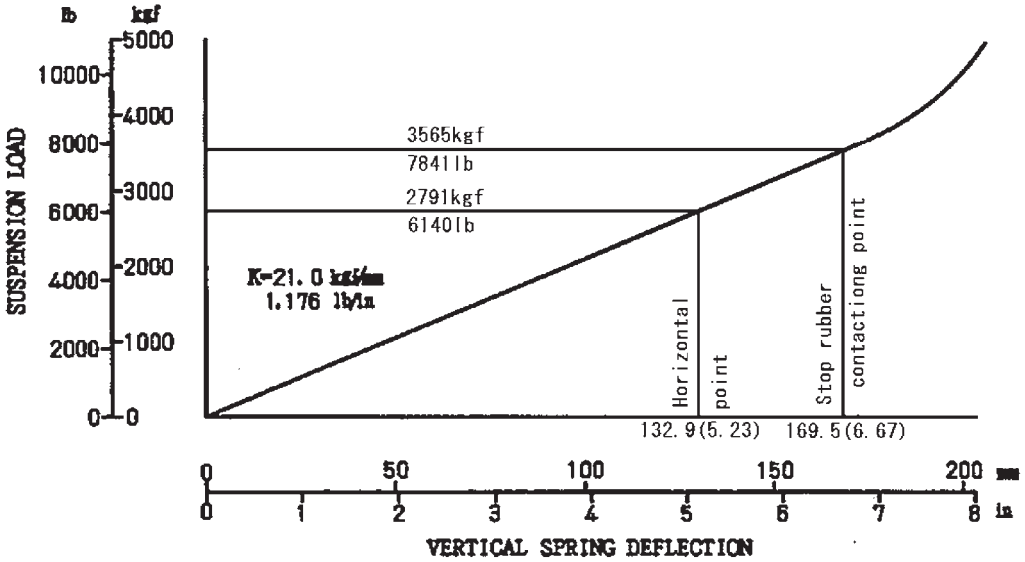
# Chapter 12

## OTHERS DATA

1. SUSPENSION DEFLECTION CHART
2. BRAKE PIPING DIAGRAM
3. ELECTRIC WIRING DIAGRAM
4. CONNECTORS
5. METRIC/U.S. CUSTOMARY UNIT EQUIVALENTS

# 1. SUSPENSION DEFLECTION CHART

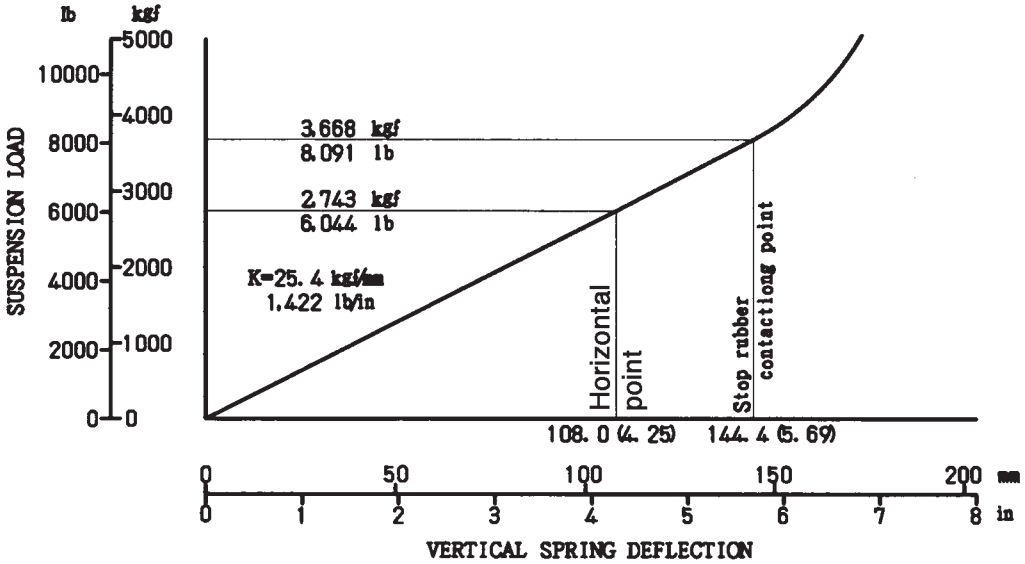
- **FRONT SPRING PER ONE SIDE**
  **MODEL : NE AND NJ**
  **CAPACITY : 8000lbs (OPT)**




Unit:kgf (lb), mm (in.)

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 227 (500) | 10.8 (0.43) |
| 454 (1000) | 21.6 (0.85) |
| 680 (1500) | 32.4 (1.28) |
| 907 (2000) | 43.2 (1.70) |
| 1134 (2500) | 54.0 (2.13) |
| 1361 (3000) | 64.8 (2.55) |
| 1588 (3500) | 75.6 (2.98) |
| 1814 (4000) | 86.4 (3.40) |
| 2041 (4500) | 97.2 (3.83) |
| 2268 (5000) | 108.0 (4.25) |
| 2495 (5500) | 118.8 (4.68) |
| 2722 (6000) | 129.6 (5.10) |
| 2948 (6500) | 140.4 (5.53) |

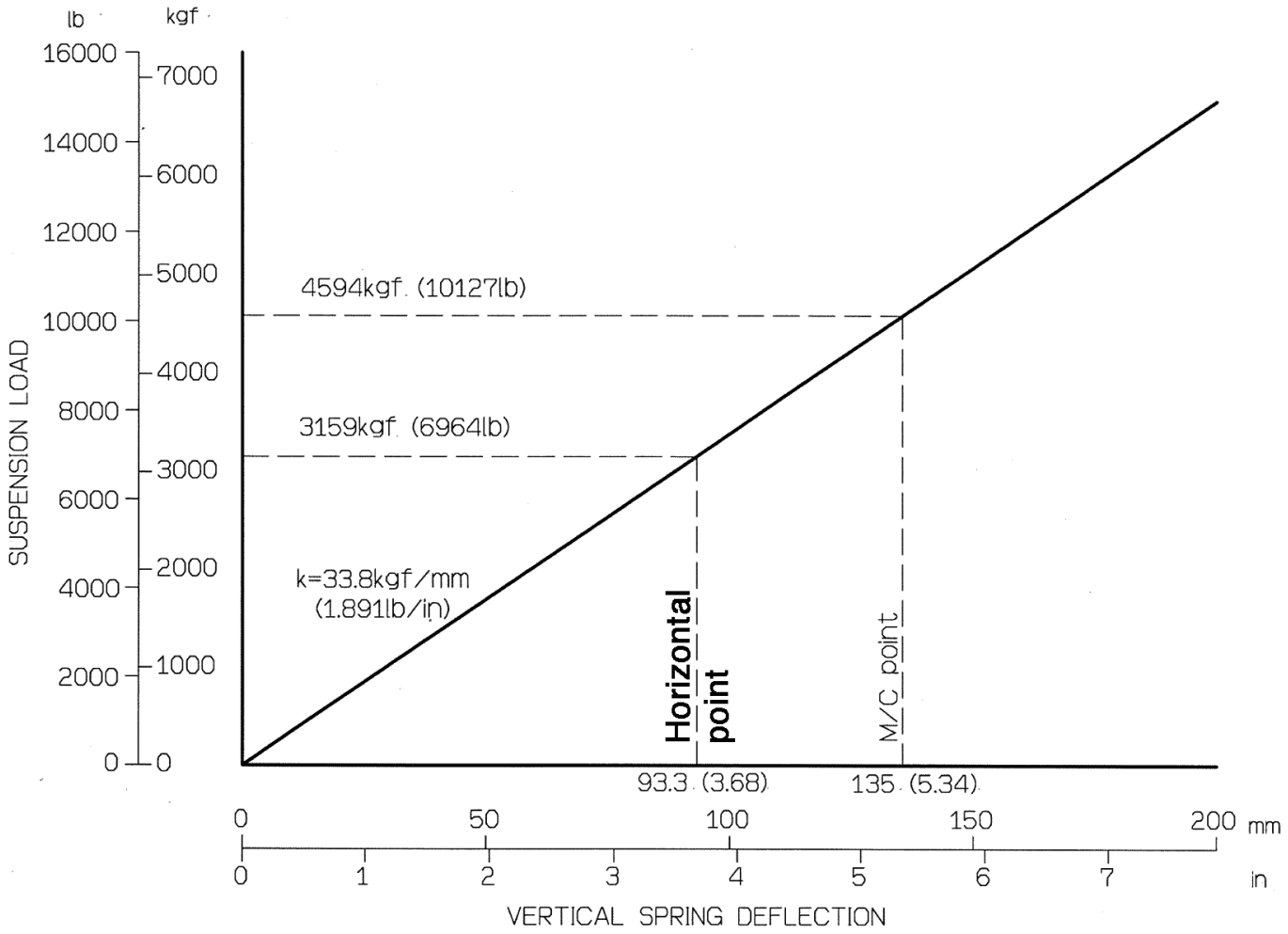
**MODEL : ALL (NE, NF, NJ, NV AND NH)**
**CAPACITY : 12000lbs (STD)**




Unit:kgf (lb), mm (in.)

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 227 (500) | 8.9 (0.35) |
| 454 (1000) | 17.9 (0.70) |
| 680 (1500) | 26.8 (1.06) |
| 907 (2000) | 35.7 (1.41) |
| 1134 (2500) | 44.6 (1.76) |
| 1361 (3000) | 53.6 (2.11) |
| 1588 (3500) | 62.5 (2.46) |
| 1814 (4000) | 71.4 (2.81) |
| 2041 (4500) | 80.3 (3.16) |
| 2268 (5000) | 89.3 (3.52) |
| 2495 (5500) | 98.2 (3.87) |
| 2722 (6000) | 107.2 (4.22) |
| 2948 (6500) | 116.1 (4.57) |
| 3175 (7000) | 125.0 (4.92) |
| 3402 (7500) | 133.9 (5.27) |

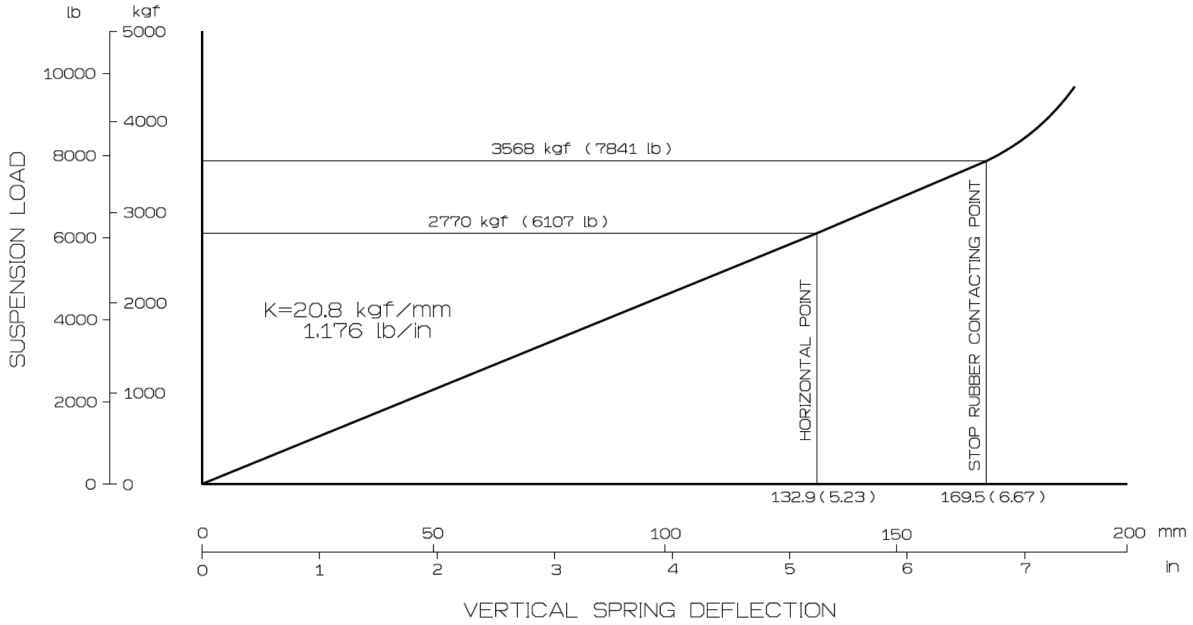
**MODEL : NV AND NH**
**CAPACITY : 14000lbs (OPT)**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 227 ( 500) | 6. 7 (0. 26) |
| 454 (1000) | 13. 4 (0. 53) |
| 680 (1500) | 20. 0 (0. 79) |
| 907 (2000) | 26. 7 (1. 05) |
| 1134 (2500) | 33. 5 (1. 32) |
| 1361 (3000) | 40. 2 (1. 58) |
| 1588 (3500) | 46. 9 (1. 85) |
| 1814 (4000) | 53. 5 (2. 11) |
| 2041 (4500) | 60. 2 (2. 37) |

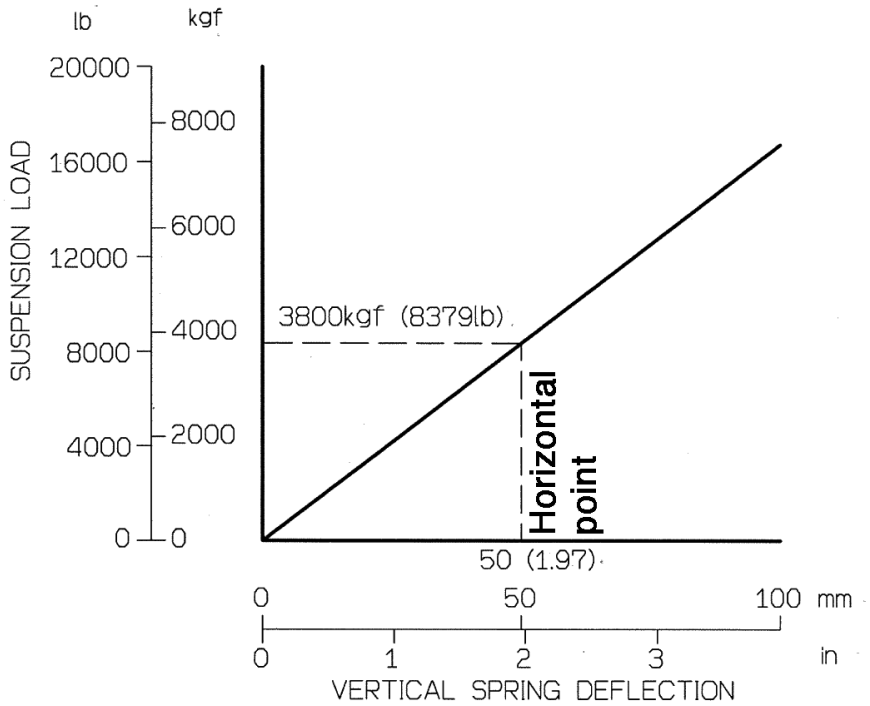
**MODEL : NJ (Extended Cab)**
**CAPACITY : 9000lbs (OPT)**




Unit : kgf (lb) , mm (in)

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 227 (500) | 10.9 (0.43) |
| 454 (1000) | 21.8 (0.86) |
| 680 (1500) | 32.8 (1.29) |
| 907 (2000) | 43.4 (1.71) |
| 1134 (2500) | 54.4 (2.14) |
| 1361 (3000) | 65.3 (2.57) |
| 1588 (3500) | 76.2 (3.00) |
| 1814 (4000) | 87.1 (3.43) |
| 2041 (4500) | 98.0 (3.86) |
| 2268 (5000) | 108.7 (4.28) |
| 2495 (5500) | 119.6 (4.71) |
| 2722 (6000) | 130.6 (5.14) |
| 2948 (6500) | 140.0 (5.51) |

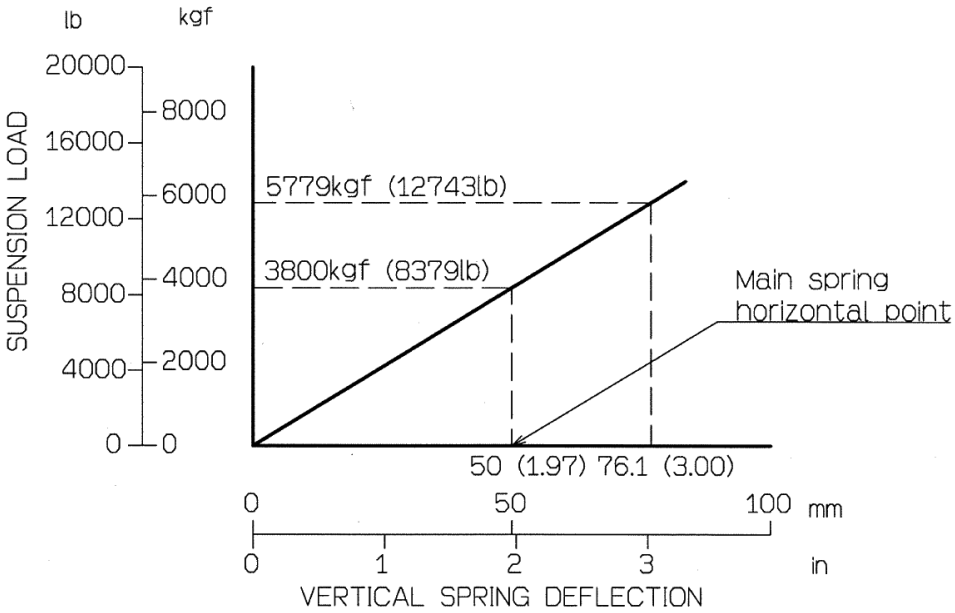
- **REAR SPRING PER ONE SIDE**
  **MODEL : NE AND NJ (STD, WITHOUT HELPER SPRING)**
  **K : 75.9kgf/mm (4.250lb/in.)**
  **CAPACITY : 19000lbs**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 6. 0 (0. 24) |
| 907 ( 2000) | 12. 0 (0. 47) |
| 1361 ( 3000) | 17. 9 (0. 70) |
| 1814 ( 4000) | 23. 9 (0. 94) |
| 2268 ( 5000) | 29. 9 (1. 18) |
| 2721 ( 6000) | 35. 8 (1. 41) |
| 3175 ( 7000) | 41. 8 (1. 65) |
| 3628 ( 8000) | 47. 8 (1. 88) |
| 4082 ( 9000) | 53. 8 (2. 12) |
| 4535 (10000) | 59. 7 (2. 35) |
| 4989 (11000) | 65. 7 (2. 59) |
| 5442 (12000) | 71. 7 (3. 08) |
| 5896 (13000) | 77. 7 (3. 06) |
| 6349 (14000) | 83. 6 (3. 29) |

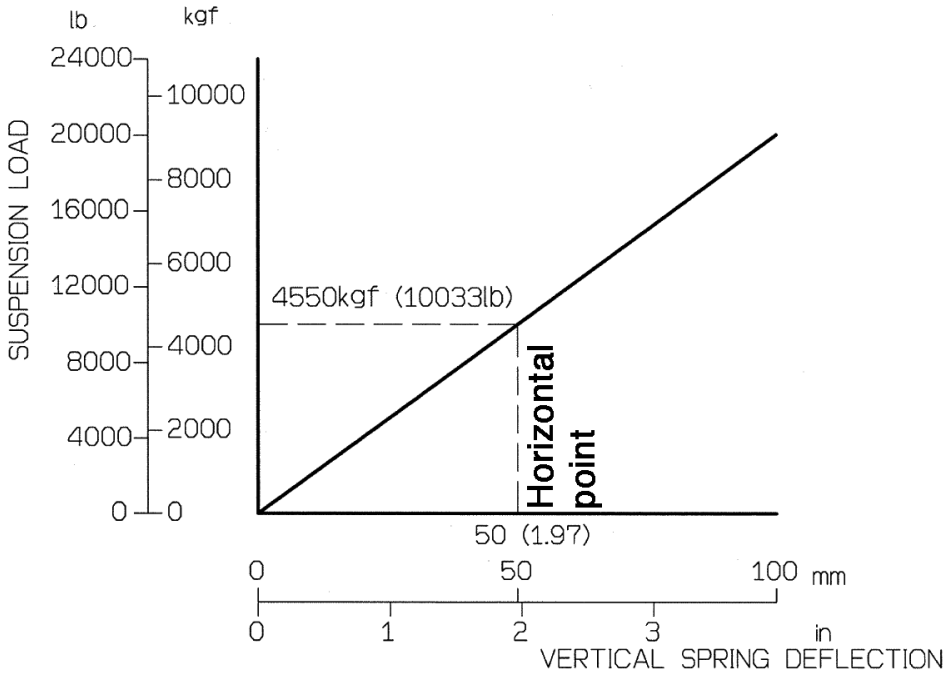
**MODEL : NE AND NJ (OPT, WITH HELPER SPRING)**
**K : 75.9kgf/mm (4.250lb/in.)**
**CAPACITY : 19000lbs**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 6. 0 (0. 24) |
| 907 ( 2000) | 12. 0 (0. 47) |
| 1361 ( 3000) | 17. 9 (0. 70) |
| 1814 ( 4000) | 23. 9 (0. 94) |
| 2268 ( 5000) | 29. 9 (1. 18) |
| 2721 ( 6000) | 35. 8 (1. 41) |
| 3175 ( 7000) | 41. 8 (1. 65) |
| 3628 ( 8000) | 47. 8 (1. 88) |
| 4082 ( 9000) | 53. 8 (2. 12) |
| 4535 (10000) | 59. 7 (2. 35) |
| 4989 (11000) | 65. 7 (2. 59) |
| 5442 (12000) | 71. 7 (3. 08) |
| 5896 (13000) | 77. 7 (3. 06) |
| 6349 (14000) | 83. 6 (3. 29) |

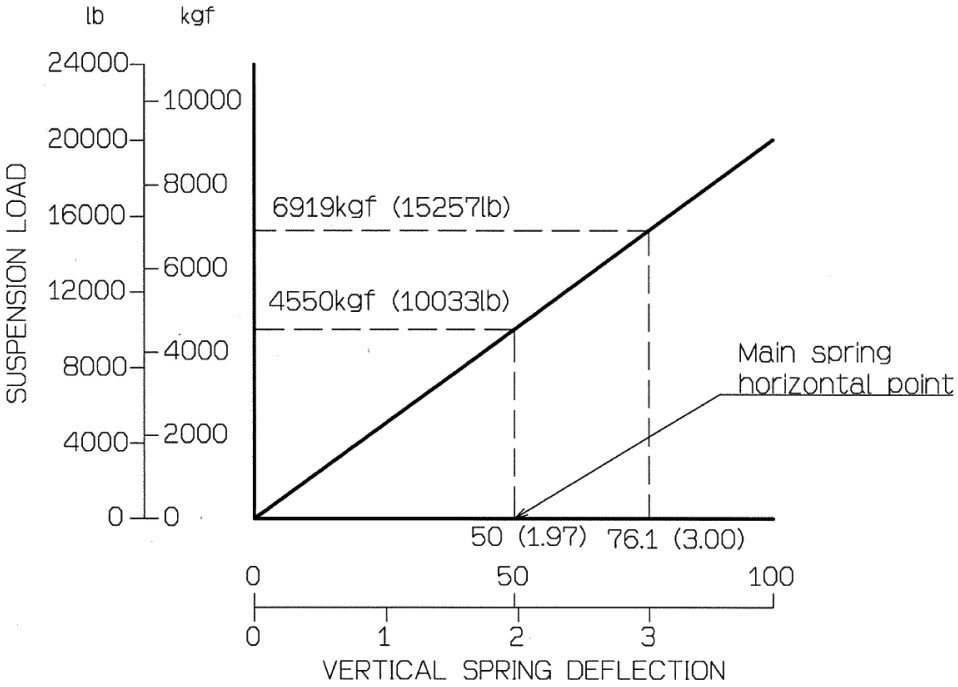
**MODEL : NF AND NV (STD, WITHOUT HELPER SPRING)**
**K : 90.9kgf/mm (5.090lb/in.)**
**CAPACITY : 21000lbs**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 5. 0 (0. 20) |
| 907 ( 2000) | 10. 0 (0. 39) |
| 1361 ( 3000) | 15. 0 (0. 59) |
| 1814 ( 4000) | 20. 0 (0. 79) |
| 2268 ( 5000) | 25. 0 (0. 98) |
| 2721 ( 6000) | 29. 9 (1. 18) |
| 3175 ( 7000) | 34. 9 (1. 37) |
| 3628 ( 8000) | 39. 9 (1. 57) |
| 4082 ( 9000) | 44. 9 (1. 77) |
| 4535 (10000) | 49. 9 (1. 96) |
| 4989 (11000) | 54. 9 (2. 16) |
| 5442 (12000) | 59. 9 (2. 36) |
| 5896 (13000) | 64. 8 (2. 55) |
| 6349 (14000) | 69. 8 (2. 75) |

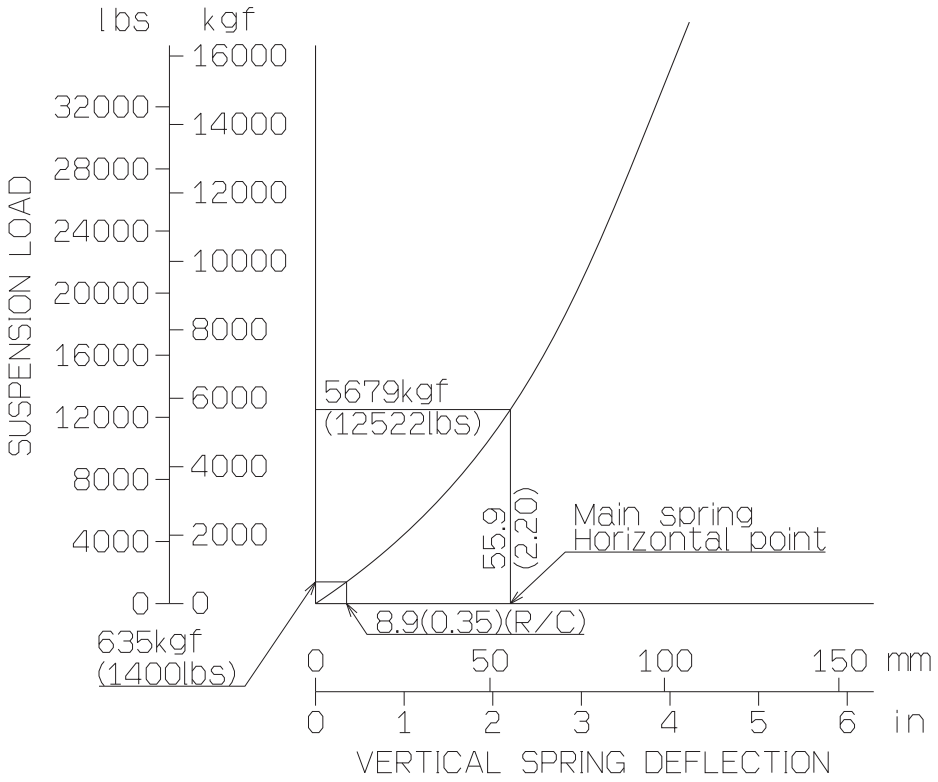
**MODEL : NF AND NV (OPT, WITH HELPER SPRING)**
**K : 90.9kgf/mm (5.090lb/in.)**
**CAPACITY : 21000lbs**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 5. 0 (0. 20) |
| 907 ( 2000) | 10. 0 (0. 39) |
| 1361 ( 3000) | 15. 0 (0. 59) |
| 1814 ( 4000) | 20. 0 (0. 79) |
| 2268 ( 5000) | 25. 0 (0. 98) |
| 2721 ( 6000) | 29. 9 (1. 18) |
| 3175 ( 7000) | 34. 9 (1. 37) |
| 3628 ( 8000) | 39. 9 (1. 57) |
| 4082 ( 9000) | 44. 9 (1. 77) |
| 4535 (10000) | 49. 9 (1. 96) |
| 4989 (11000) | 54. 9 (2. 16) |
| 5442 (12000) | 59. 9 (2. 36) |
| 5896 (13000) | 64. 8 (2. 55) |
| 6349 (14000) | 69. 8 (2. 75) |

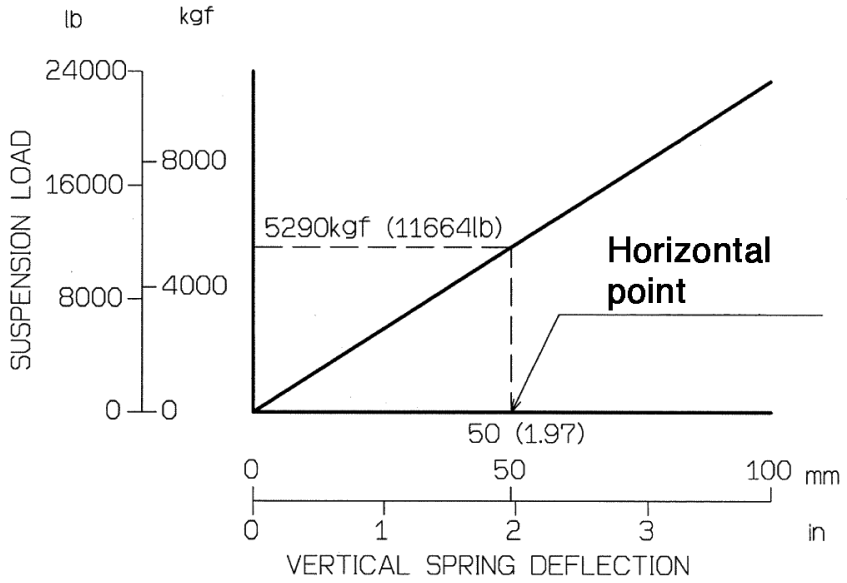
**MODEL : NV (OPT, WITH HELPER RUBBER)**
**K : 90.9kgf/mm (5.090lb/in.)**
**CAPACITY : 21000lbs**




Unit : kgf ( lbs ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 6.5 (0.25) |
| 907 ( 2000) | 12.4 (0.49) |
| 1361 ( 3000) | 18.0 (0.71) |
| 1814 ( 4000) | 23.2 (0.91) |
| 2268 ( 5000) | 28.0 (1.10) |
| 2721 ( 6000) | 32.5 (1.28) |
| 3175 ( 7000) | 36.7 (1.45) |
| 3628 ( 8000) | 40.7 (1.60) |
| 4082 ( 9000) | 44.4 (1.75) |
| 4535 (10000) | 47.9 (1.89) |
| 4989 (11000) | 51.2 (2.02) |
| 5442 (12000) | 54.4 (2.14) |
| 5896 (13000) | 57.3 (2.26) |
| 6349 (14000) | 60.1 (2.37) |

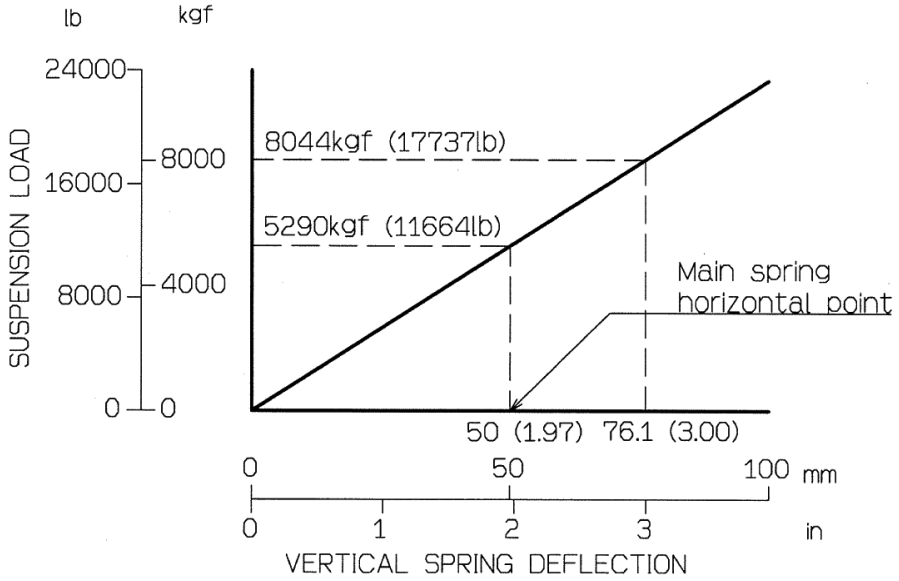
**MODEL : NV AND NH (STD, WITHOUT HELPER SPRING)**
**K : 105.7kgf/mm (5.920lb/in.)**
**CAPACITY : 23000lbs (OPT : NV, STD : NH)**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 4. 3 (0. 17) |
| 907 ( 2000) | 8. 6 (0. 34) |
| 1361 ( 3000) | 12. 9 (0. 51) |
| 1814 ( 4000) | 17. 2 (0. 68) |
| 2268 ( 5000) | 21. 5 (0. 84) |
| 2721 ( 6000) | 25. 8 (1. 01) |
| 3175 ( 7000) | 30. 0 (1. 18) |
| 3628 ( 8000) | 34. 3 (1. 35) |
| 4082 ( 9000) | 38. 6 (1. 52) |
| 4535 (10000) | 42. 9 (1. 69) |
| 4989 (11000) | 47. 2 (1. 86) |
| 5442 (12000) | 51. 5 (2. 03) |
| 5896 (13000) | 55. 8 (2. 20) |
| 6349 (14000) | 60. 1 (2. 36) |

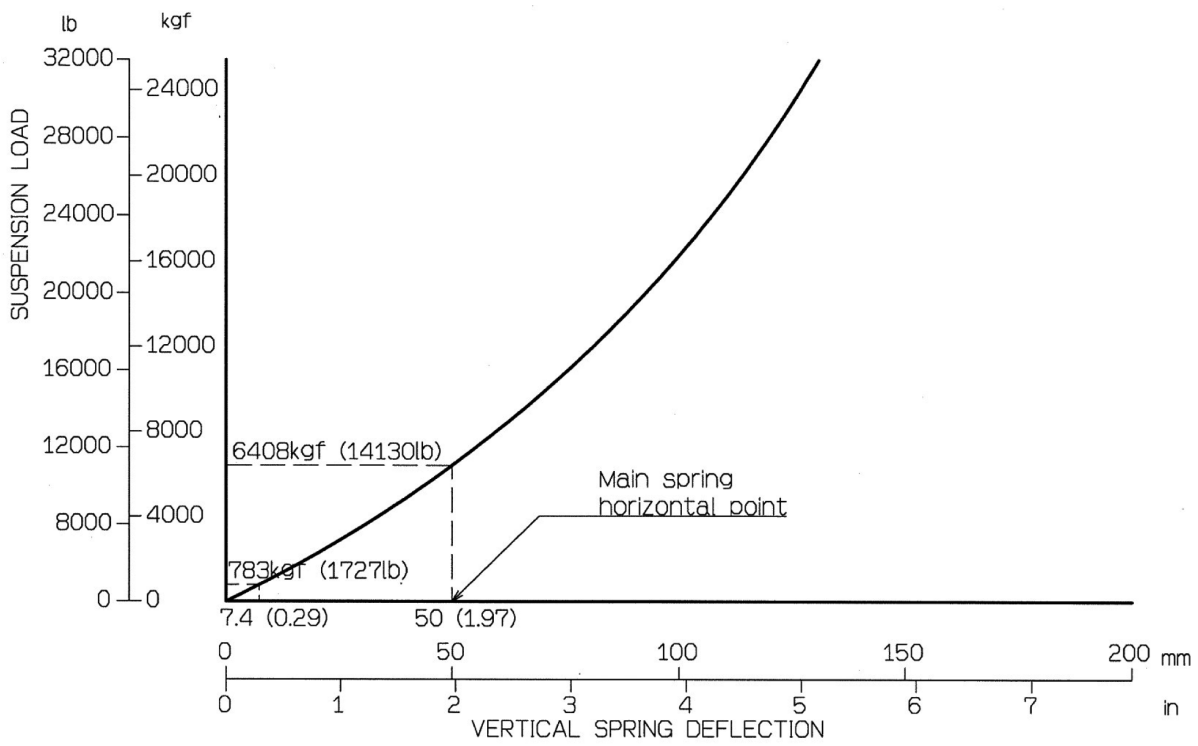
**MODEL : NV AND NH (OPT, WITH HELPER SPRING)**
**K : 105.7kgf/mm (5.920lb/in.)**
**CAPACITY : 23000lbs (OPT : NV, STD : NH)**




Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 4. 3 (0. 17) |
| 907 ( 2000) | 8. 6 (0. 34) |
| 1361 ( 3000) | 12. 9 (0. 51) |
| 1814 ( 4000) | 17. 2 (0. 68) |
| 2268 ( 5000) | 21. 5 (0. 84) |
| 2721 ( 6000) | 25. 8 (1. 01) |
| 3175 ( 7000) | 30. 0 (1. 18) |
| 3628 ( 8000) | 34. 3 (1. 35) |
| 4082 ( 9000) | 38. 6 (1. 52) |
| 4535 (10000) | 42. 9 (1. 69) |
| 4989 (11000) | 47. 2 (1. 86) |
| 5442 (12000) | 51. 5 (2. 03) |
| 5896 (13000) | 55. 8 (2. 20) |
| 6349 (14000) | 60. 1 (2. 36) |

**MODEL : NV AND NH (OPT, WITH HELPER RUBBER)**
**K : 105.7kgf/mm (5.920lb/in.)**
**CAPACITY : 31000lbs (OPT)**



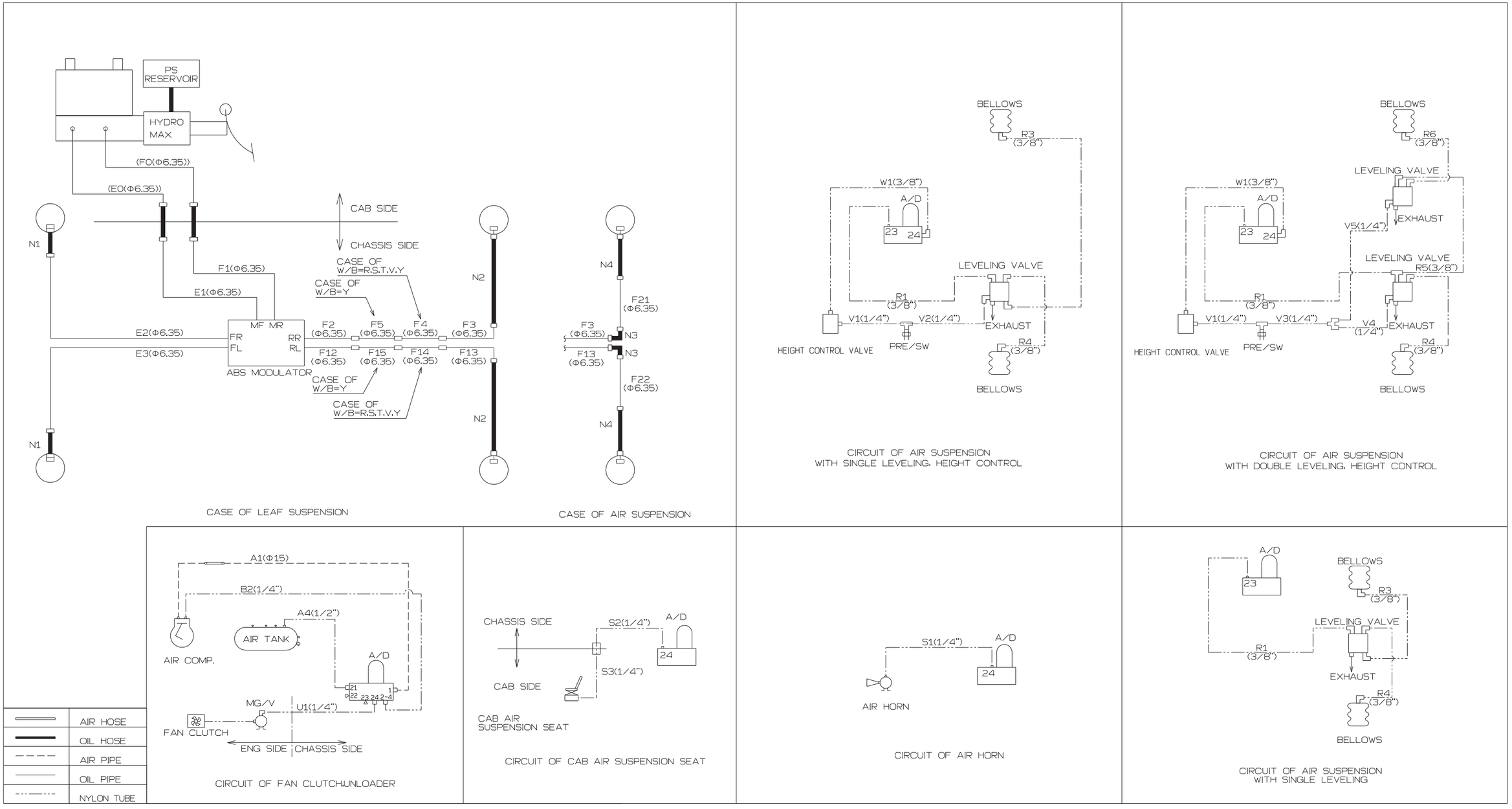

Unit : kgf ( lb ), mm ( in )

| SUSPENSION LOAD | VERTICAL SPRING DEFLECTION |
|---|---|
| 454 ( 1000) | 4. 3 (0. 17) |
| 907 ( 2000) | 8. 5 (0. 34) |
| 1361 ( 3000) | 12. 5 (0. 49) |
| 1814 ( 4000) | 16. 4 (0. 64) |
| 2268 ( 5000) | 20. 2 (0. 80) |
| 2721 ( 6000) | 24. 0 (0. 94) |
| 3175 ( 7000) | 27. 6 (1. 09) |
| 3628 ( 8000) | 31. 1 (1. 22) |
| 4082 ( 9000) | 34. 5 (1. 36) |
| 4535 (10000) | 37. 7 (1. 49) |
| 4989 (11000) | 40. 9 (1. 61) |
| 5442 (12000) | 43. 9 (1. 73) |
| 5896 (13000) | 46. 8 (1. 84) |
| 6349 (14000) | 49. 7 (1. 96) |

## 2. BRAKE PIPING DIAGRAM

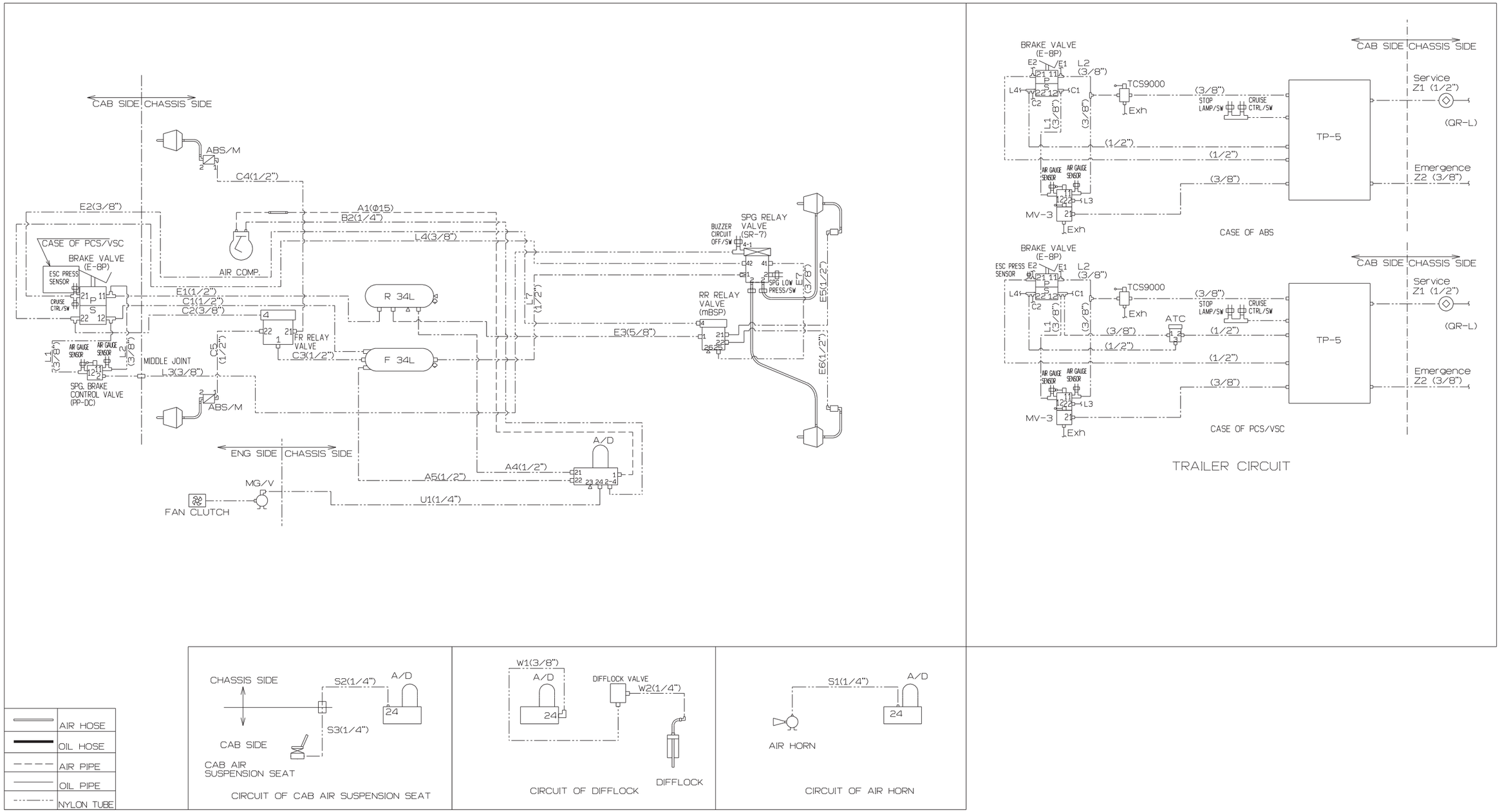
**• MODEL : NE, NF**

**< HYDRO BRAKE >**

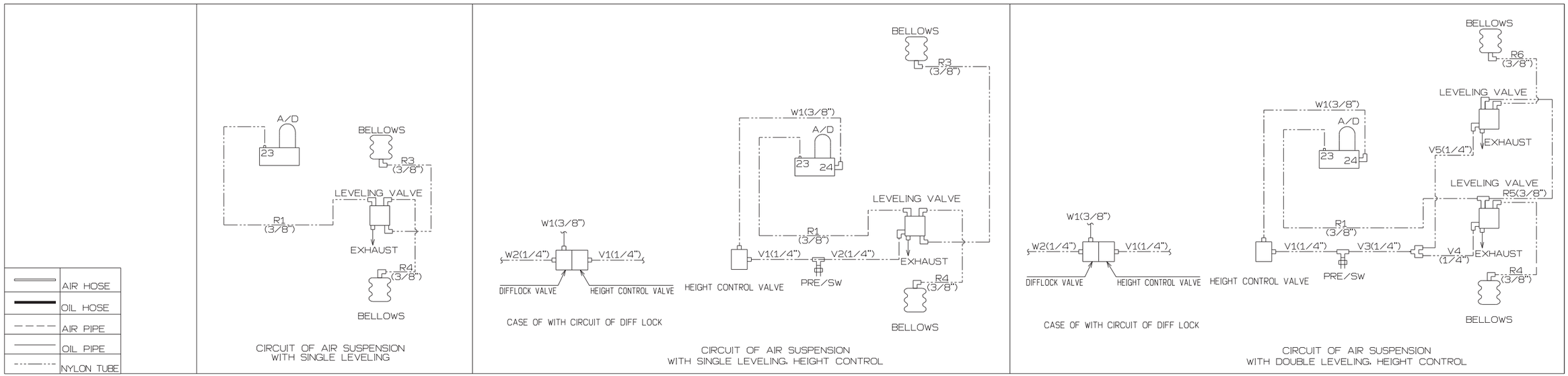


• **MODEL : NJ, NV AND NH**

**< FULL AIR BRAKE >**



## • MODEL : NJ, NV AND NH



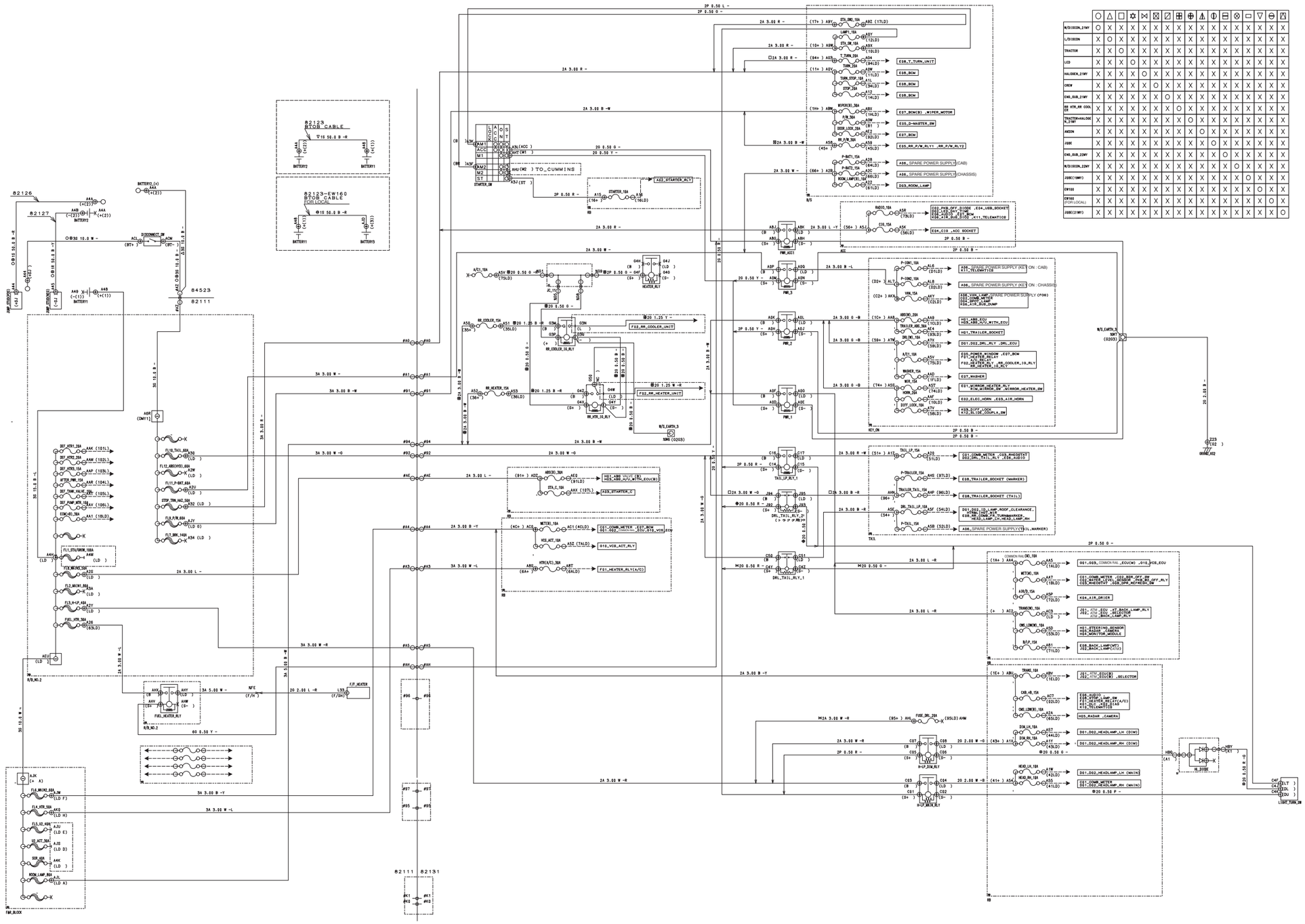
# 3. ELECTRIC WIRING DIAGRAM

The Table of Circuit Name

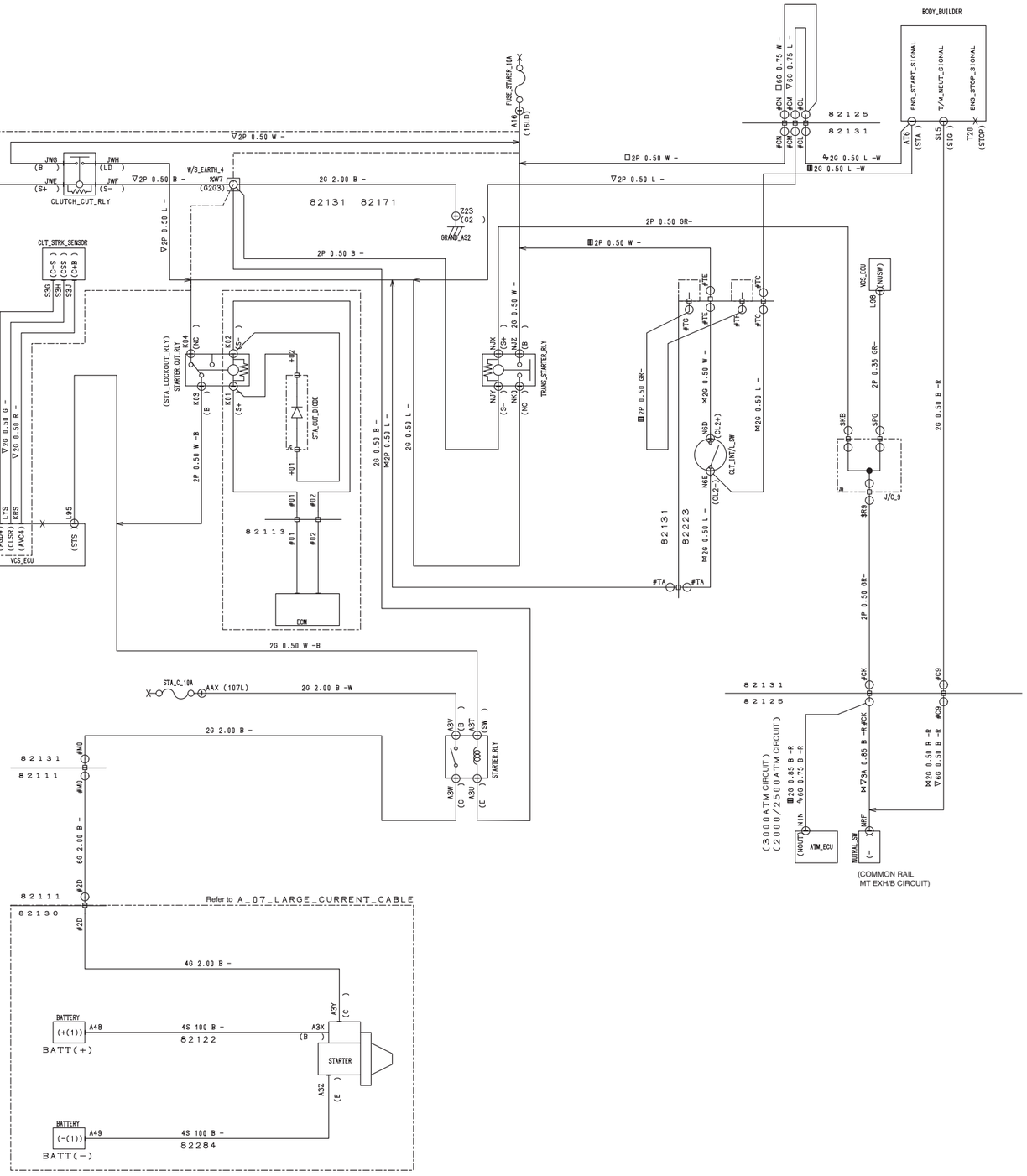
| NO. | CIRCUIT NAME |
|---|---|
| 1 | POWER SUPPLY CIRCUIT |
| 2 | STARTING CIRCUIT |
| 3 | PRE-HEAT CIRCUIT |
| 4 | CHARGING CIRCUIT |
| 5 | SPARE POWER SUPPLY CIRCUIT & FOG LAMP CIRCUIT |
| 6 | LARGE CURRENT CABLE CIRCUIT |
| 7 | GRAND CIRCUIT_1 |
| 8 | GRAND CIRCUIT_2 |
| 9 | METER CIRCUIT_1 |
| 10 | METER CIRCUIT_2 |
| 11 | RHEOSTAT CIRCUIT |
| 12 | HALOGEN HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT |
| 13 | LED HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT |
| 14 | ROOM LAMP CIRCUIT |
| 15 | WORKING LAMP CIRCUIT |
| 16 | HEATING MIRROR CIRCUIT & REMOTE CONTROL MIRROR CIRCUIT |
| 17 | ELECTRICAL HORN CIRCUIT |
| 18 | AIR HORN CIRCUIT |
| 19 | CIGARETTE LIGHTER & ACC. SOCKET CIRCUIT |
| 20 | POWER WINDOW CIRCUIT |
| 21 | AUDIO CIRCUIT |
| 22 | BODY CONTROL CIRCUIT_POWER D/L & KEY LESS ENTRY |
| 23 | BODY CONTROL CIRCUIT_CAB |
| 24 | BODY CONTROL CIRCUIT_CHASSIS |
| 25 | MANUAL AIR CONDITIONER CIRCUIT |
| 26 | REAR COOLER & REAR HEATER CIRCUIT |
| 27 | CUMMINZ ENGINE ECU & ECM CIRCUIT |
| 28 | AFTERTRATMENT SYSTEM CIRCUIT |
| 29 | COMMON RAIL CIRCUIT_MTM EXHAUST BRAKE |
| 30 | COMMON RAIL CIRCUIT_ATM EXHAUST BRAKE |
| 31 | COMMON RAIL CIRCUIT_FS CURSE |
| 32 | VEHICLE CONTROL ECU CIRCUIT_1 |
| 33 | VEHICLE CONTROL ECU CIRCUIT_2 |
| 34 | VEHICLE CONTROL ECU CIRCUIT_3 |
| 35 | VEHICLE CONTROL ECU CIRCUIT_4 (EXHAUST BRAKE) |
| 36 | ABS CIRCUIT_1 |
| 37 | ABS CIRCUIT_2 |
| 38 | ABS CIRCUIT_3 (HYDRAULIC BRAKE Ver. E) |
| 39 | HYDRAULIC BRAKE SYSTEM CIRCUIT |
| 40 | CMS, ACC & LDW CIRCUIT |
| 41 | ALLISON 2200/2500 TRANS BASIC CIRCUIT |
| 42 | ALLISON 3000RDS TRANS BASIC CIRCUIT |
| 43 | DIAGNOSIS CIRCUIT |
| 44 | DIAG' CONNECTOR CIRCUIT |
| 45 | DIFF LOCK CONTROL CIRCUIT |
| 46 | AIR DRIER CIRCUIT |
| 47 | AIR SUS DUMP CIRCUIT |
| 48 | VEHICLE CAN CIRCUIT |
| 49 | TELEMATICS CIRCUIT |
| 50 | SLIDE COUPLER LOCK CIRCUIT |
| 51 | FUEL FILTER SYSTEM CIRCUIT |

[NOTE] 1) There are all the specifications included options.
2) When you use these electrical diagrams, please understand the vehicle specifications.

# 1. POWER SUPPLY CIRCUIT

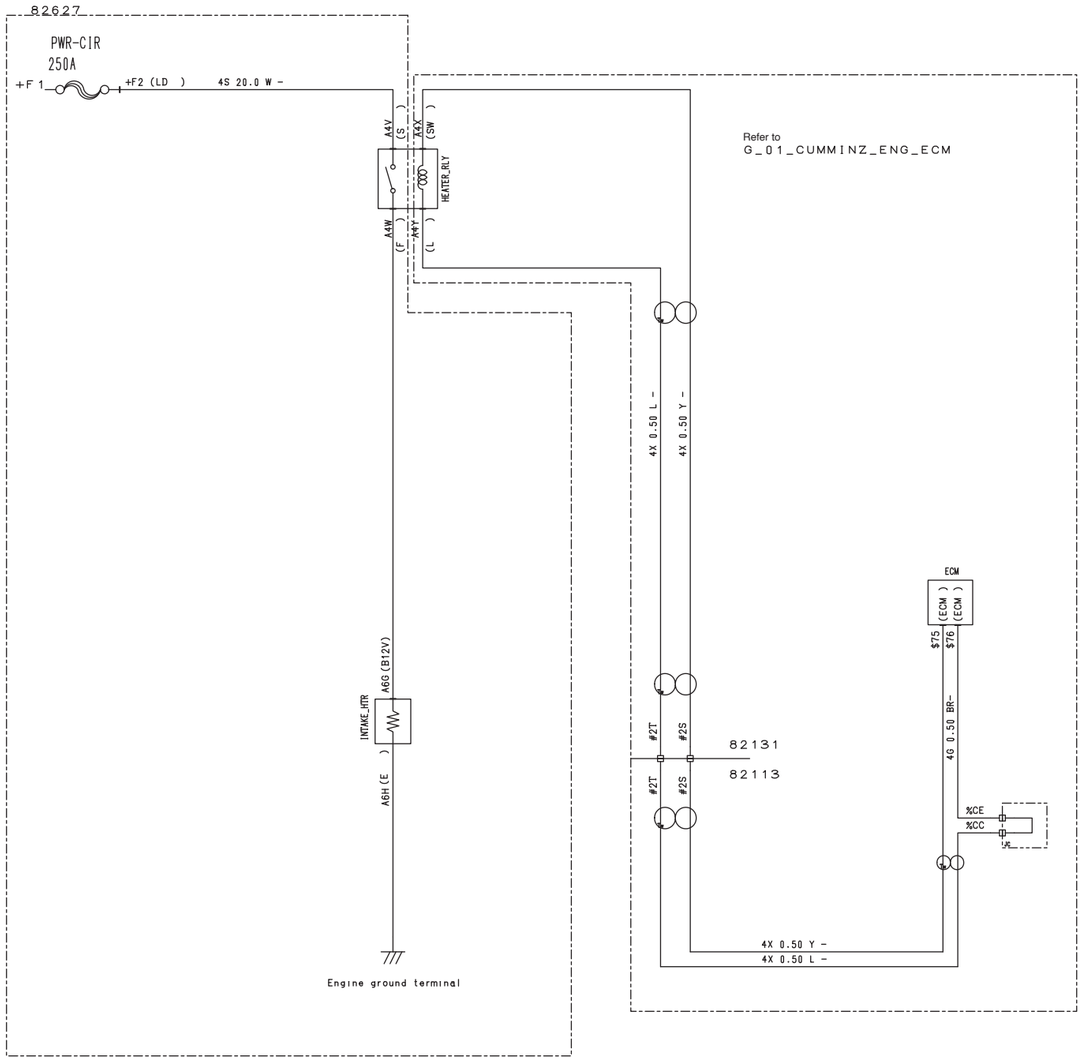


## 2. STARTING CIRCUIT

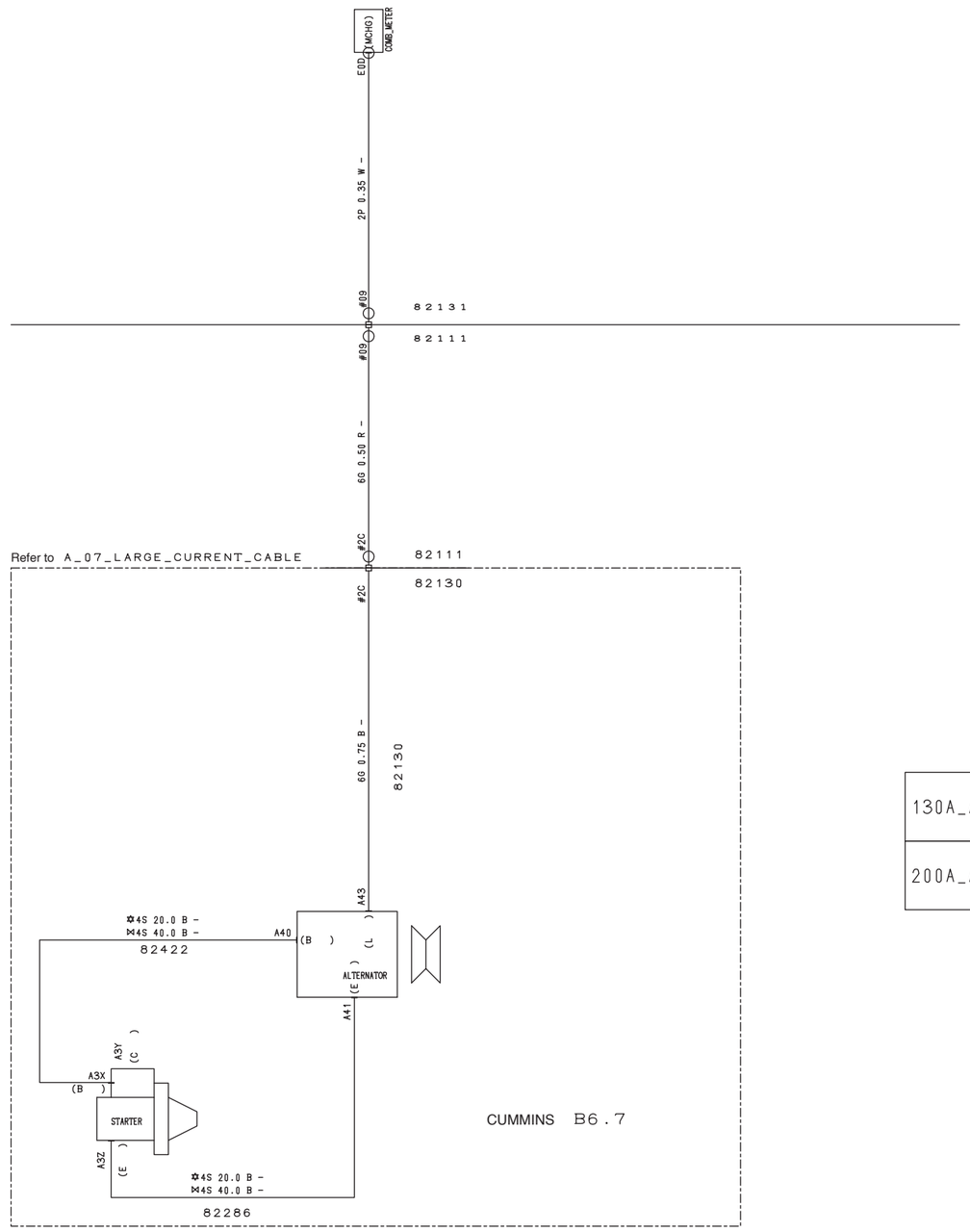



| | ⊞ | □ | ⋈ | ◪ | ▽ | ∿ | ▥ |
|---|---|---|---|---|---|---|---|
| 2000/2200 | ○ | X | X | X | X | X | X |
| A09C*3000/3500 | X | ○ | X | X | X | X | X |
| EATON_FS | X | X | ○ | X | X | X | X |
| BODY_BUILDER | X | X | X | ○ | X | X | X |
| EATON_10/13SP | X | X | X | X | ○ | X | X |
| A09C | X | X | X | X | X | ○ | X |
| B6.7+A05C | X | X | X | X | X | X | ○ |

## 3. PRE-HEAT CIRCUIT

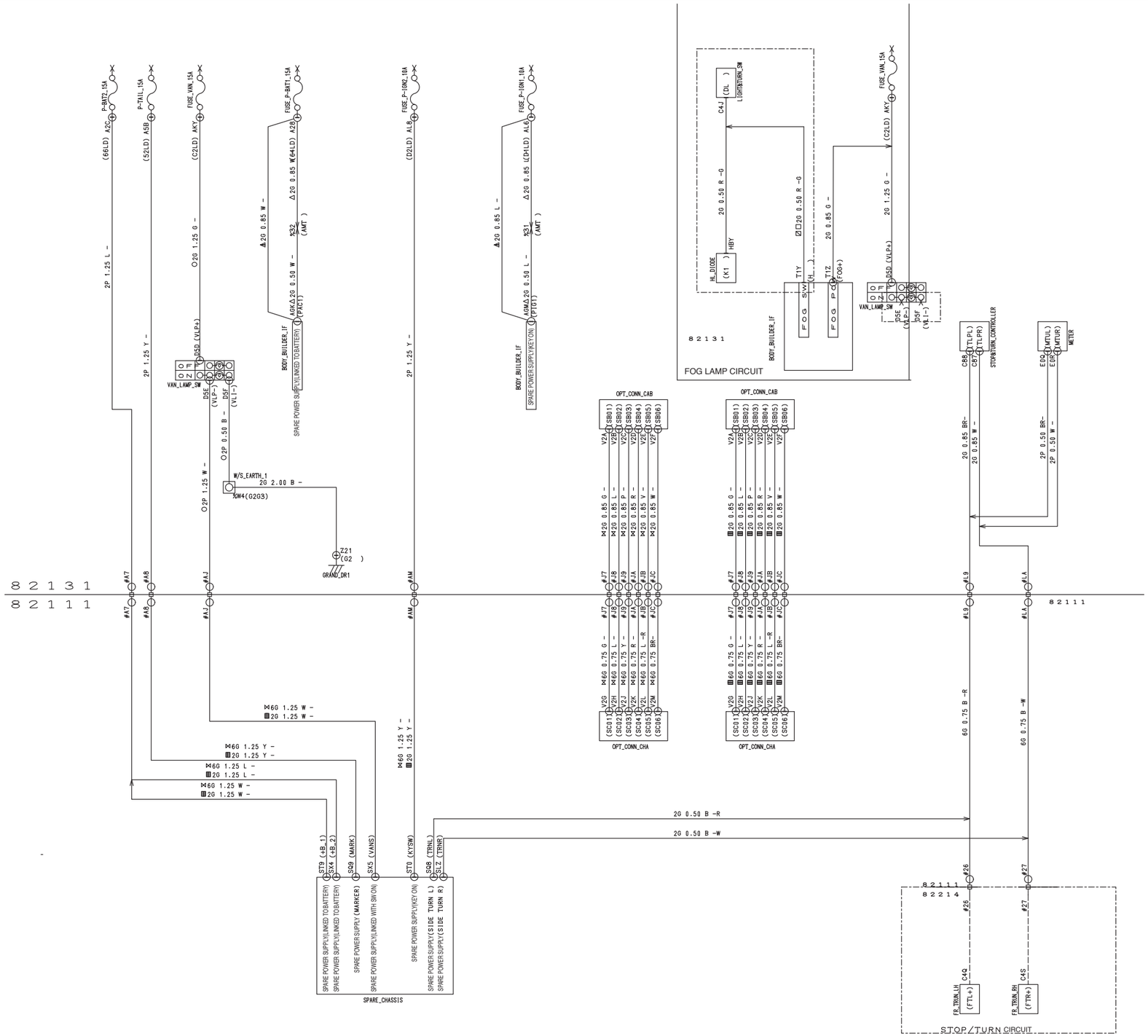


# 4. CHARGING CIRCUIT



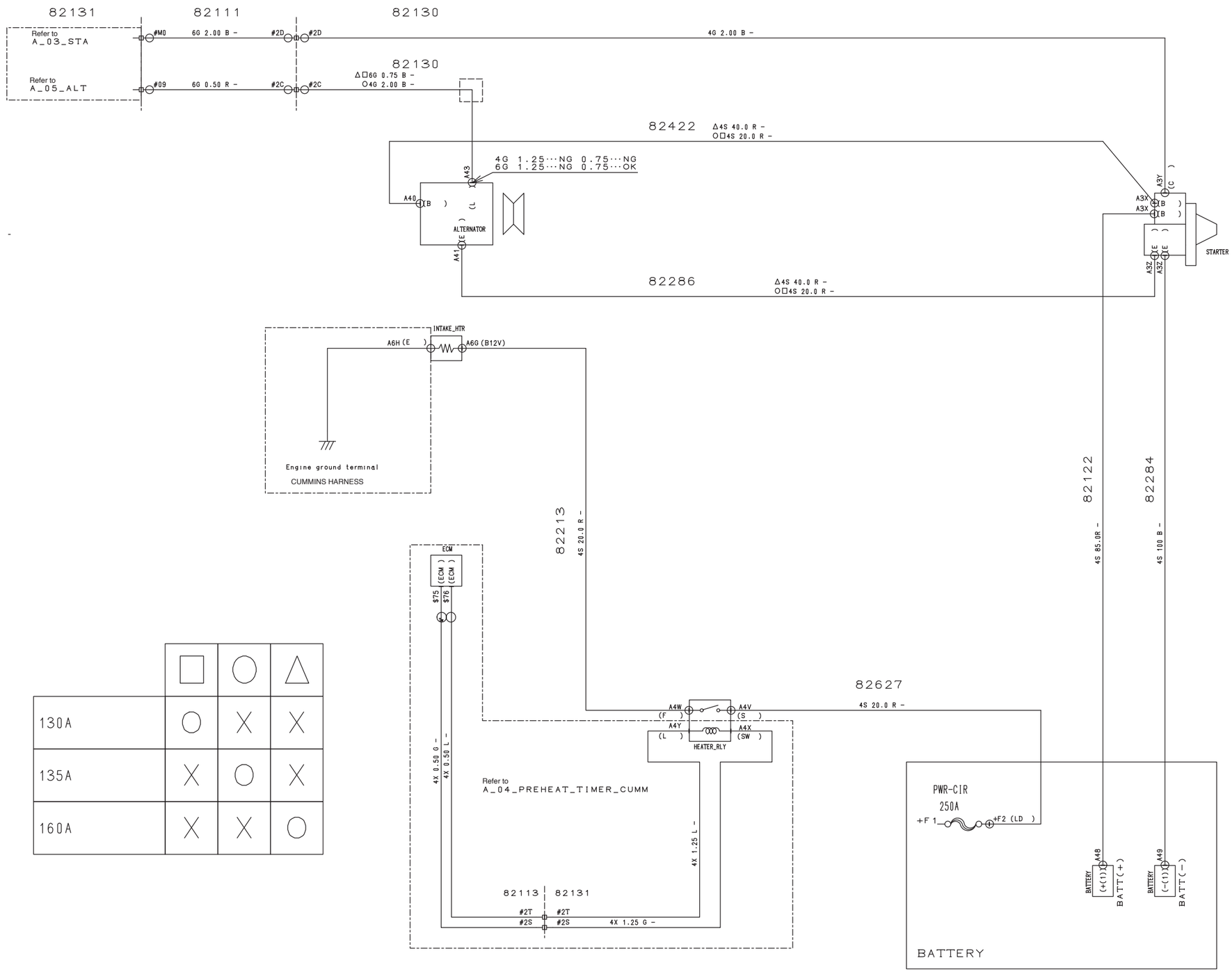

| | ✡ | ⋈ |
|---|---|---|
| 130A_ALT | ○ | × |
| 200A_ALT | × | ○ |

# 5. SPARE POWER SUPPLY CIRCUIT & FOG LAMP CIRCUIT

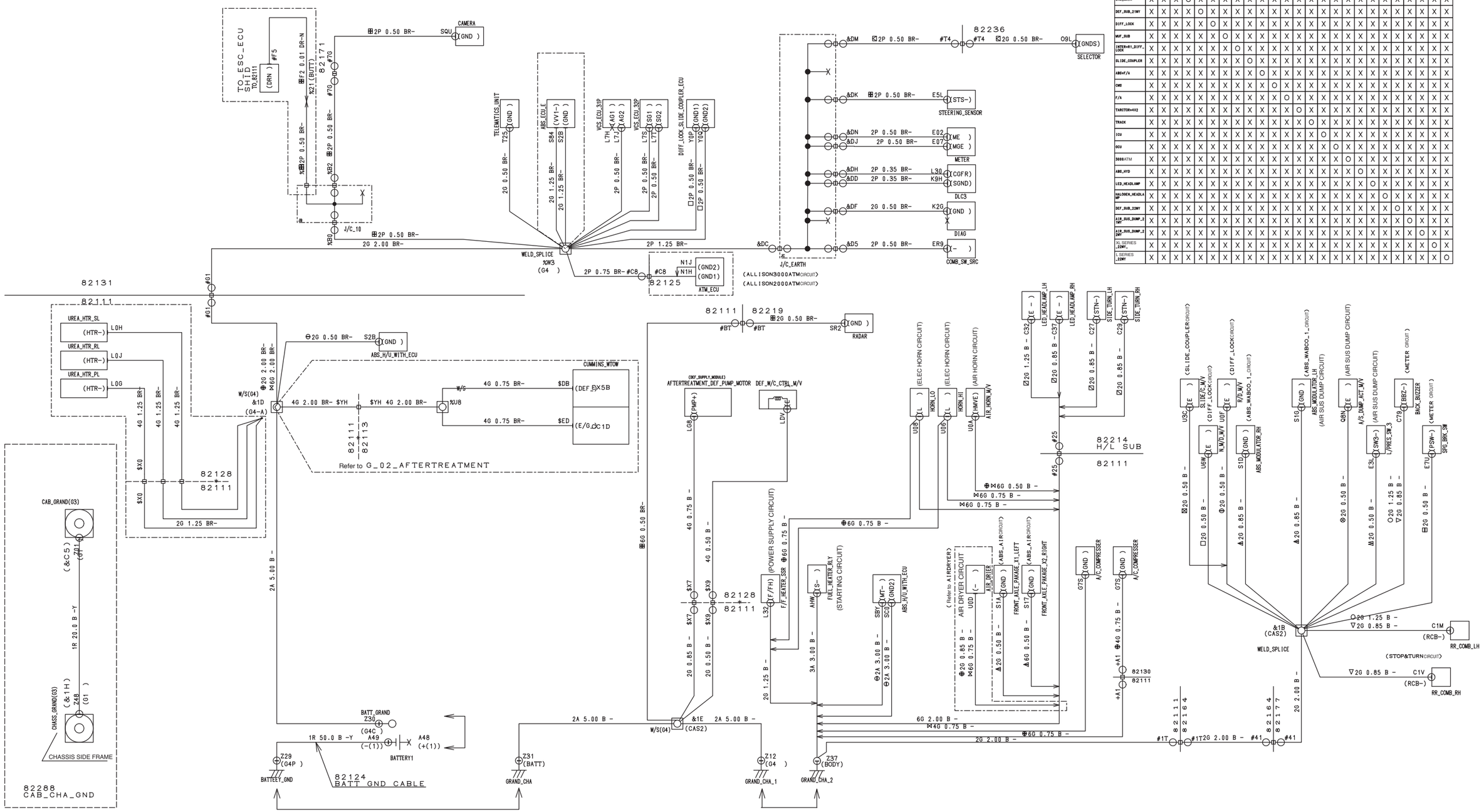



| | ○ | □ | ⋈ | ▥ | ◪ | △ | ⚠ |
|---|---|---|---|---|---|---|---|
| VAN_LP | ○ | X | X | X | X | X | X |
| TRACK_21MY | X | ○ | X | X | X | X | X |
| A09C | X | X | ○ | X | X | X | X |
| J08E+A05C | X | X | X | ○ | X | X | X |
| TRACK_22MY | X | X | X | X | ○ | X | X |
| 21MY | X | X | X | X | X | ○ | X |
| 22MY | X | X | X | X | X | X | ○ |

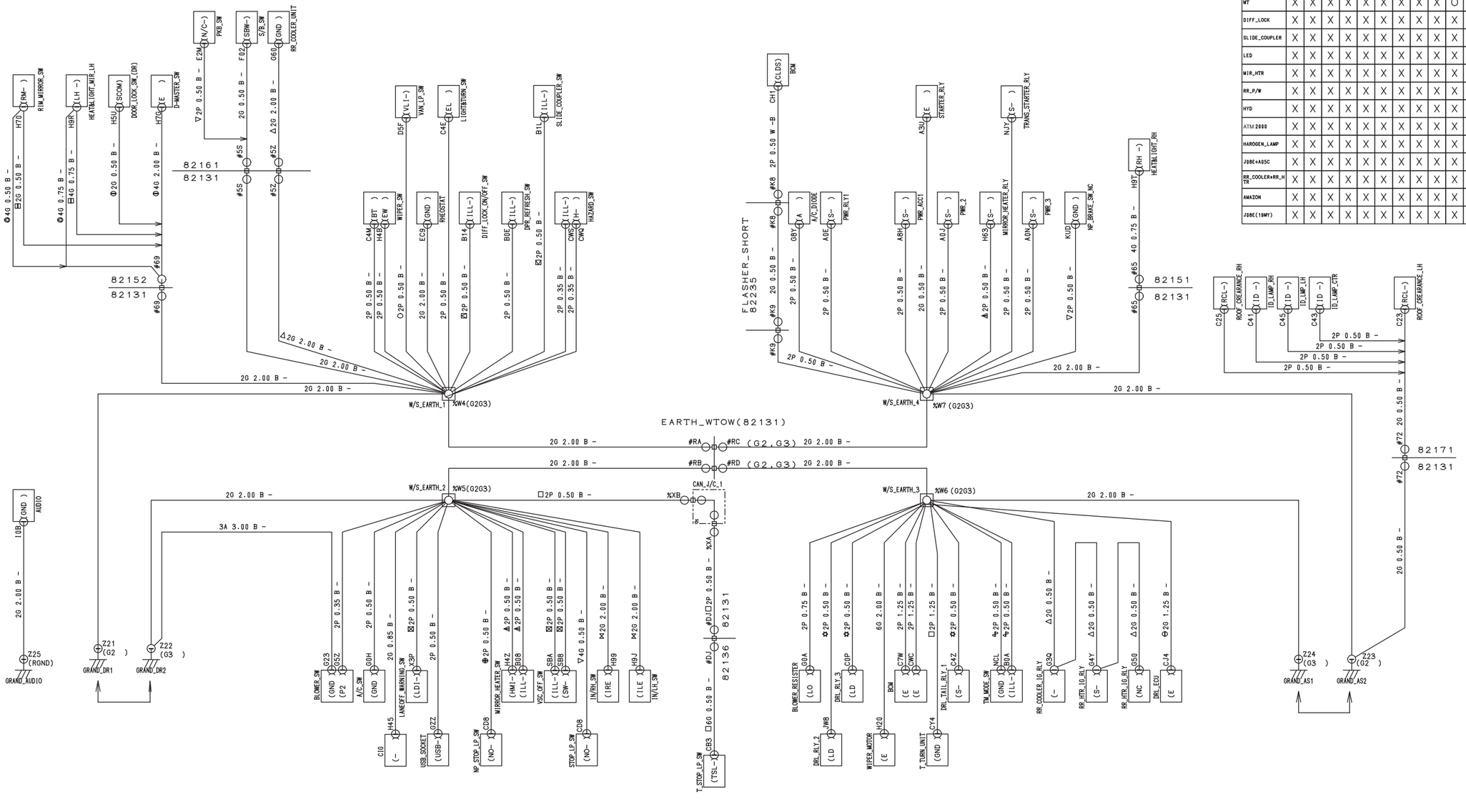
# 6. LARGE CURRENT CABLE CIRCUIT



# 7. GRAND CIRCUIT_1

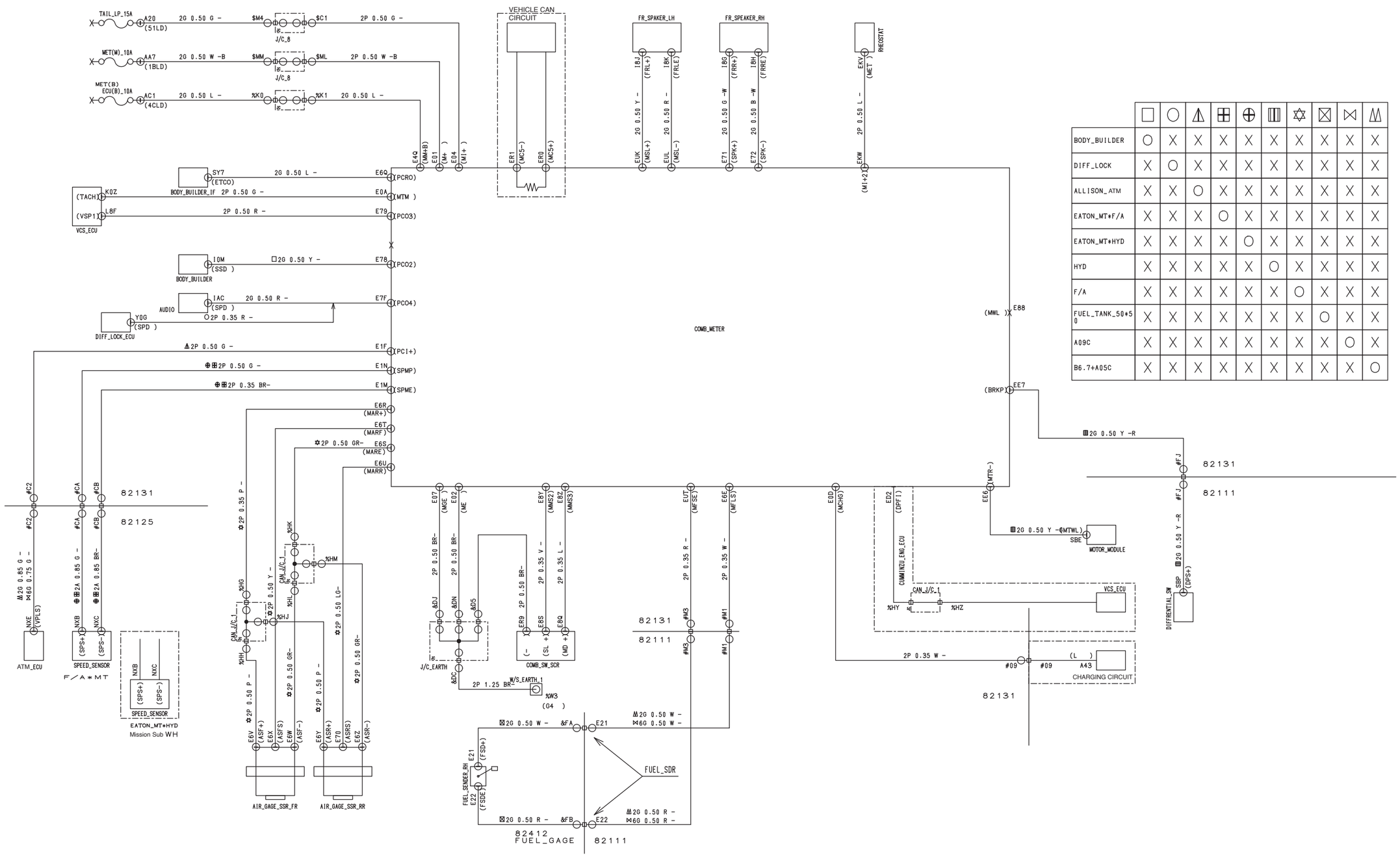


## 8. GRAND CIRCUIT_2



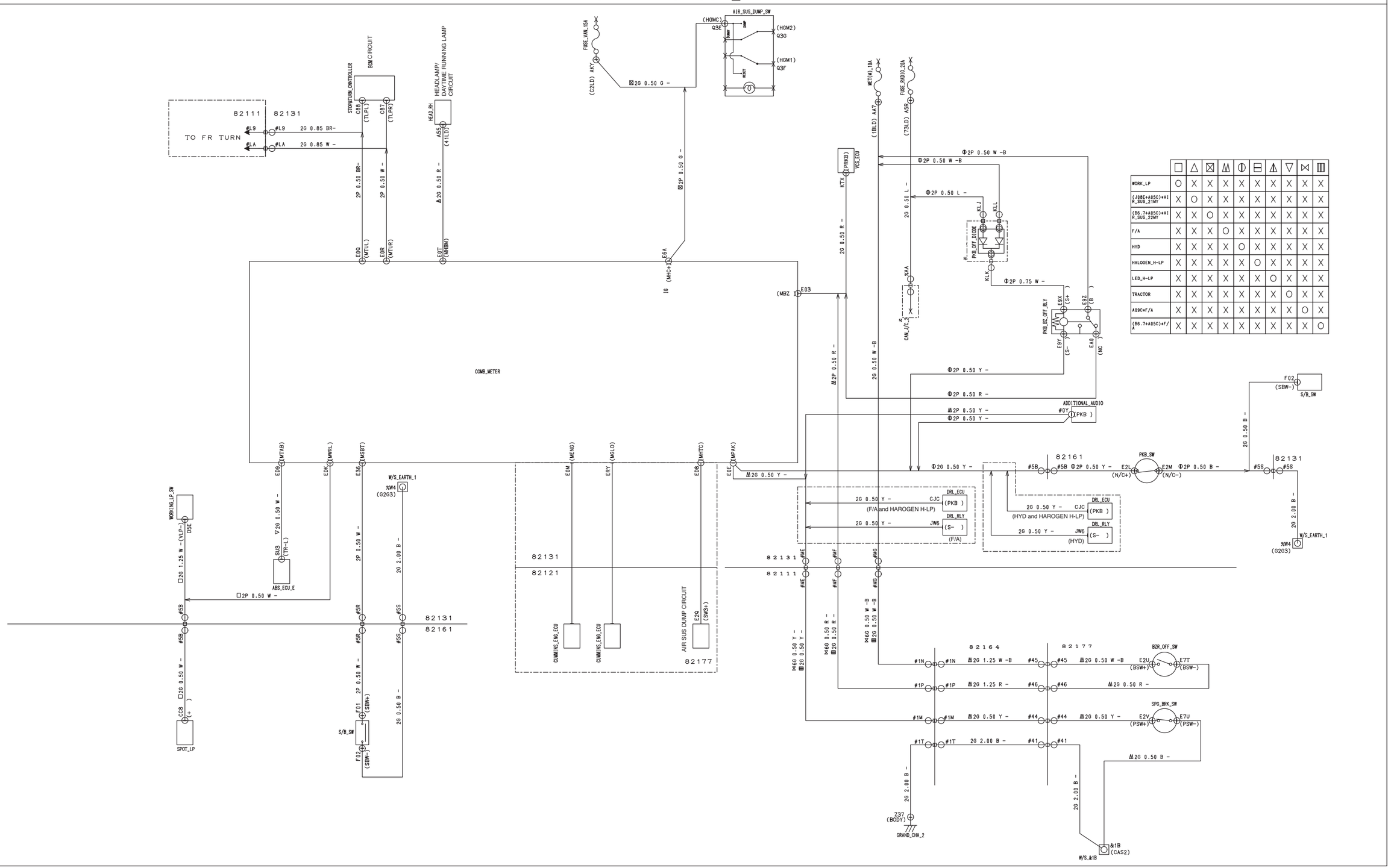

| | ⊕ | ⦶ | ⋔ | □ | ⊠ | ○ | ⧄ | ⌀ | ⊟ | ▥ | ⧅ | ⧈ | ✡ | ⚠ | ⋈ | ▽ | ⚢ | ⊖ | ⊞ | △ | ⊗ | ▭ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F/A+L/CFS | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| P/W | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| (J08E+A05C)+AIR_SUS_21MY | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TRACTOR | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ABS+CWS | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| VAN_LP | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SPOT_LP | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| LESS_P/W+WIR_HTR | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| P/W+WIR_HTR | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X | X |
| WT | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X | X |
| DIFF_LOCK | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X | X |
| SLIDE_COUPLER | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X | X |
| LED | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X | X |
| WIR_HTR | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X | X |
| RR_P/W | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X | X |
| HYD | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X | X |
| ATM 2000 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X | X |
| HAROGEN_LAMP | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X | X |
| J08E+A05C | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X | X |
| RR_COOLER+RR_HTR | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X | X |
| AMAZON | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ | X |
| J08E(19MY) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | ○ |

# 9. METER CIRCUIT_1



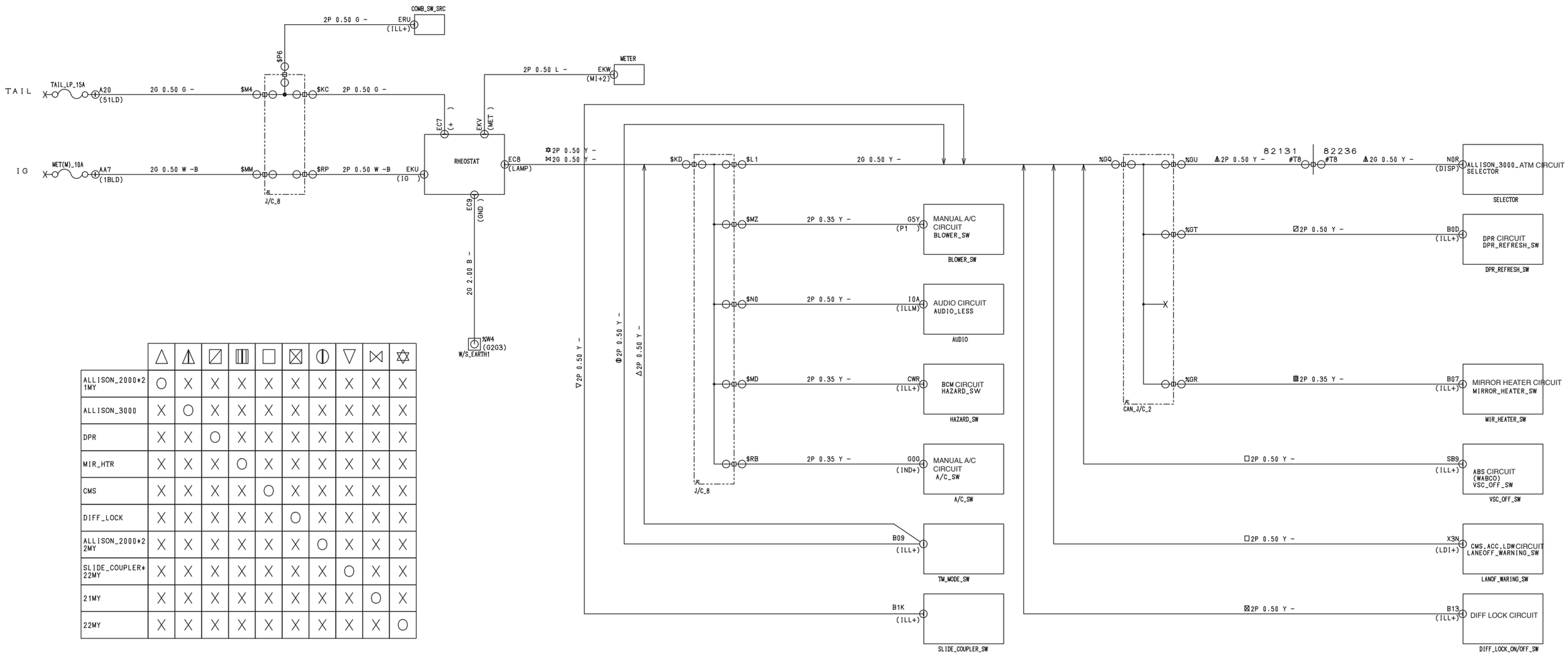

| | □ | ○ | △ | ⊞ | ⊕ | ▥ | ✡ | ⊠ | ⋈ | ⩚ |
|---|---|---|---|---|---|---|---|---|---|---|
| BODY_BUILDER | ○ | X | X | X | X | X | X | X | X | X |
| DIFF_LOCK | X | ○ | X | X | X | X | X | X | X | X |
| ALLISON_ATM | X | X | ○ | X | X | X | X | X | X | X |
| EATON_MT*F/A | X | X | X | ○ | X | X | X | X | X | X |
| EATON_MT*HYD | X | X | X | X | ○ | X | X | X | X | X |
| HYD | X | X | X | X | X | ○ | X | X | X | X |
| F/A | X | X | X | X | X | X | ○ | X | X | X |
| FUEL_TANK_50*50 | X | X | X | X | X | X | X | ○ | X | X |
| A09C | X | X | X | X | X | X | X | X | ○ | X |
| B6.7+A05C | X | X | X | X | X | X | X | X | X | ○ |

# 10. METER CIRCUIT_2



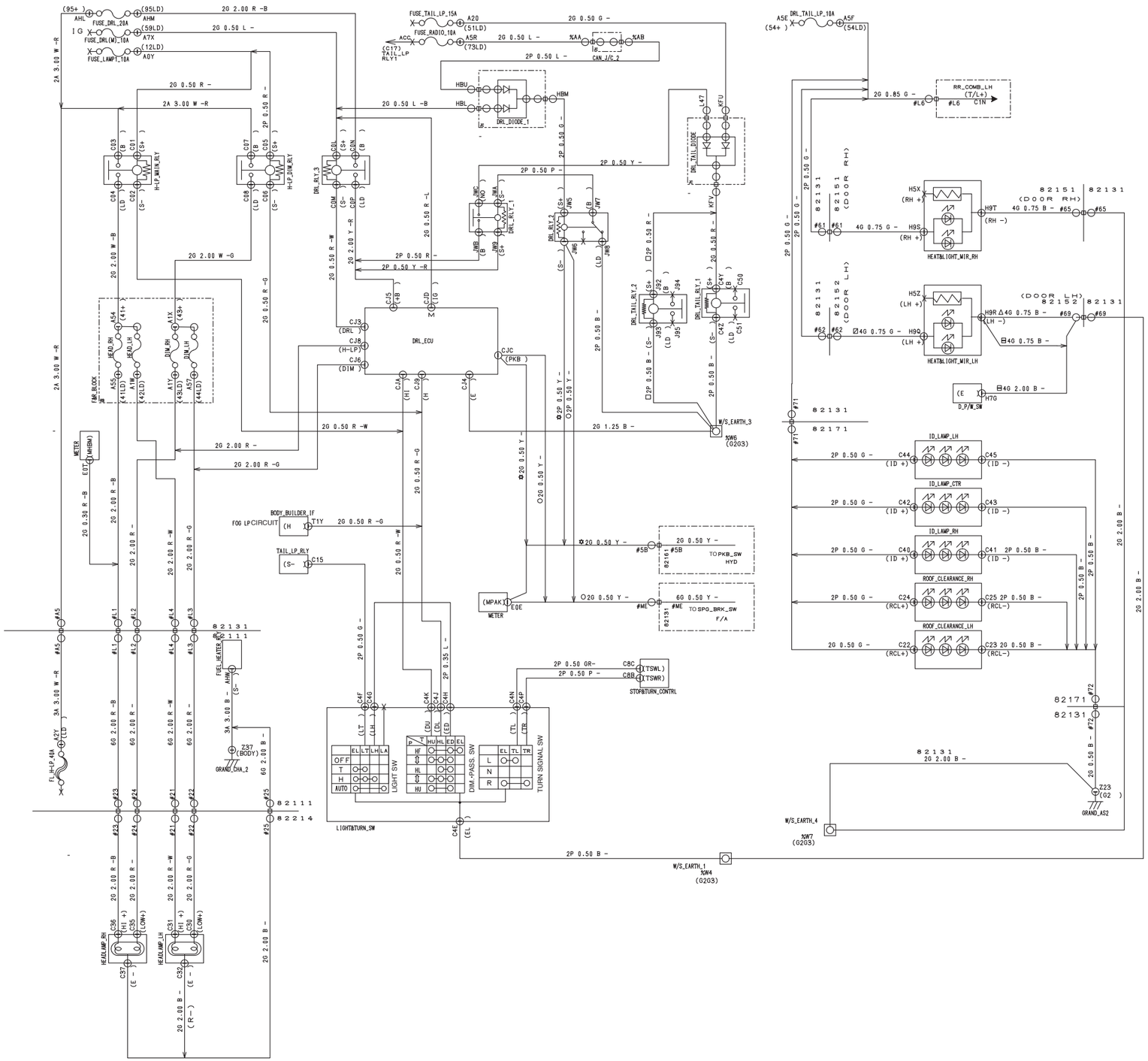

| | □ | △ | ⊠ | ⋔ | ⦶ | ⊟ | ⚠ | ▽ | ⋈ | ▥ |
|---|---|---|---|---|---|---|---|---|---|---|
| WORK_LP | ○ | X | X | X | X | X | X | X | X | X |
| (J08E+A05C)+AIR_SUS_21MY | X | ○ | X | X | X | X | X | X | X | X |
| (B6.7+A05C)+AIR_SUS_22MY | X | X | ○ | X | X | X | X | X | X | X |
| F/A | X | X | X | ○ | X | X | X | X | X | X |
| HYD | X | X | X | X | ○ | X | X | X | X | X |
| HALOGEN_H-LP | X | X | X | X | X | ○ | X | X | X | X |
| LED_H-LP | X | X | X | X | X | X | ○ | X | X | X |
| TRACTOR | X | X | X | X | X | X | X | ○ | X | X |
| A09C+F/A | X | X | X | X | X | X | X | X | ○ | X |
| (B6.7+A05C)+F/A | X | X | X | X | X | X | X | X | X | ○ |

# 11. RHEOSTAT CIRCUIT




| | △ | ◭ | ◪ | ▥ | □ | ⊠ | ◐ | ▽ | ⋈ | ✡ |
|---|---|---|---|---|---|---|---|---|---|---|
| ALLISON_2000*21MY | ○ | X | X | X | X | X | X | X | X | X |
| ALLISON_3000 | X | ○ | X | X | X | X | X | X | X | X |
| DPR | X | X | ○ | X | X | X | X | X | X | X |
| MIR_HTR | X | X | X | ○ | X | X | X | X | X | X |
| CMS | X | X | X | X | ○ | X | X | X | X | X |
| DIFF_LOCK | X | X | X | X | X | ○ | X | X | X | X |
| ALLISON_2000*22MY | X | X | X | X | X | X | ○ | X | X | X |
| SLIDE_COUPLER*22MY | X | X | X | X | X | X | X | ○ | X | X |
| 21MY | X | X | X | X | X | X | X | X | ○ | X |
| 22MY | X | X | X | X | X | X | X | X | X | ○ |

# 12. HALOGEN HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT

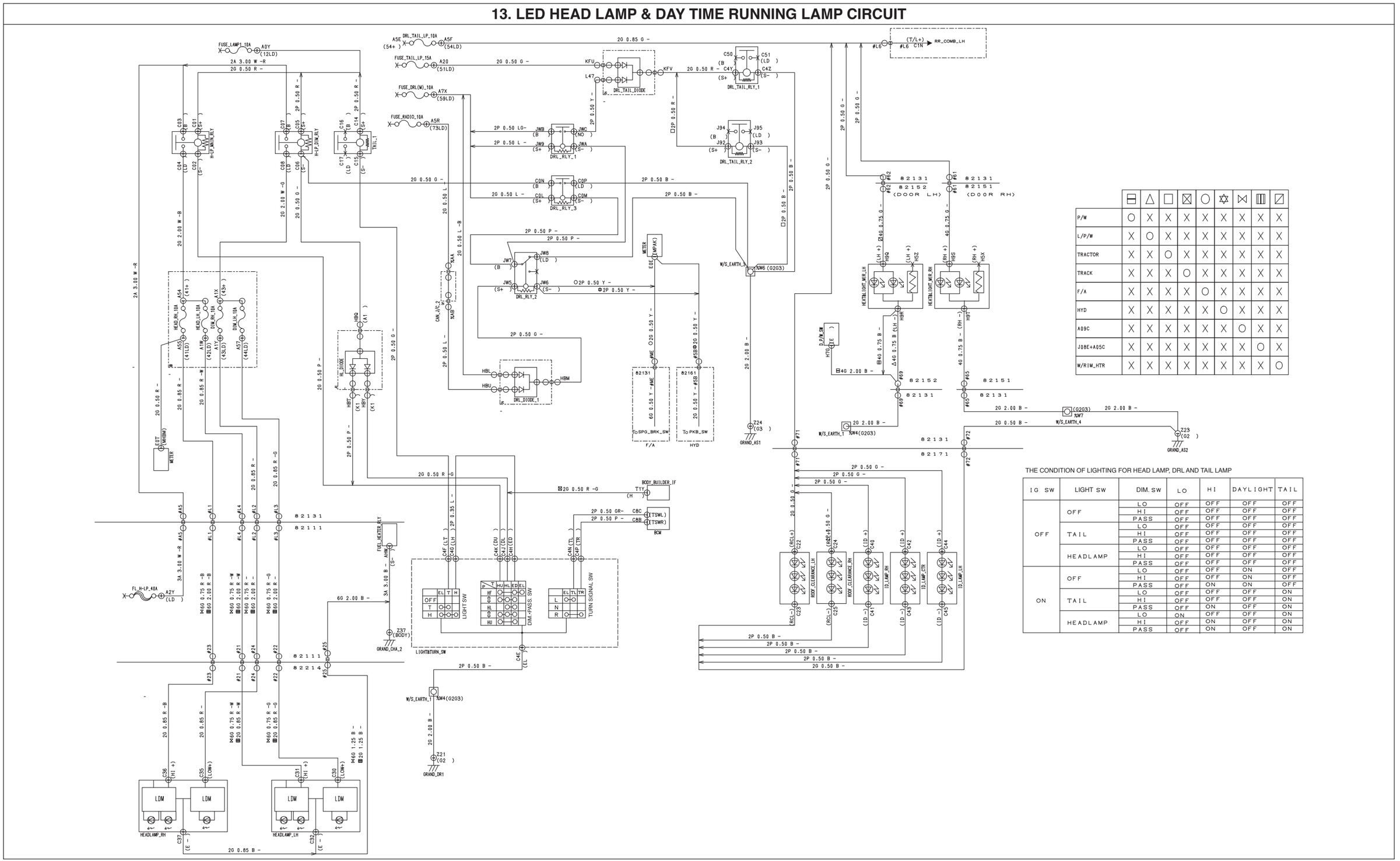



| | ⊟ | △ | ○ | ✡ | □ | ⧄ |
|---|---|---|---|---|---|---|
| P/W | ○ | X | X | X | X | X |
| L/P/W | X | ○ | X | X | X | X |
| F/A | X | X | ○ | X | X | X |
| HYD | X | X | X | ○ | X | X |
| TRACTOR | X | X | X | X | ○ | X |
| W/RIM_HTR | X | X | X | X | X | ○ |

THE CONDITION OF LIGHTING FOR HEAD LAMP, DRL AND TAIL LAMP

| IG SW | LIGHT SW | DIM. SW | LO | HI | DAYLIGHT | TAIL |
|---|---|---|---|---|---|---|
| OFF | OFF | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| | TAIL | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| | HEADLAMP | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| ON | OFF | LO | OFF | OFF | ON | OFF |
| | | HI | OFF | OFF | ON | OFF |
| | | PASS | OFF | ON | ON | OFF |
| | TAIL | LO | OFF | OFF | OFF | ON |
| | | HI | OFF | OFF | OFF | ON |
| | | PASS | OFF | ON | OFF | ON |
| | HEADLAMP | LO | ON | OFF | OFF | ON |
| | | HI | OFF | ON | OFF | ON |
| | | PASS | OFF | ON | OFF | ON |

# 13. LED HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT

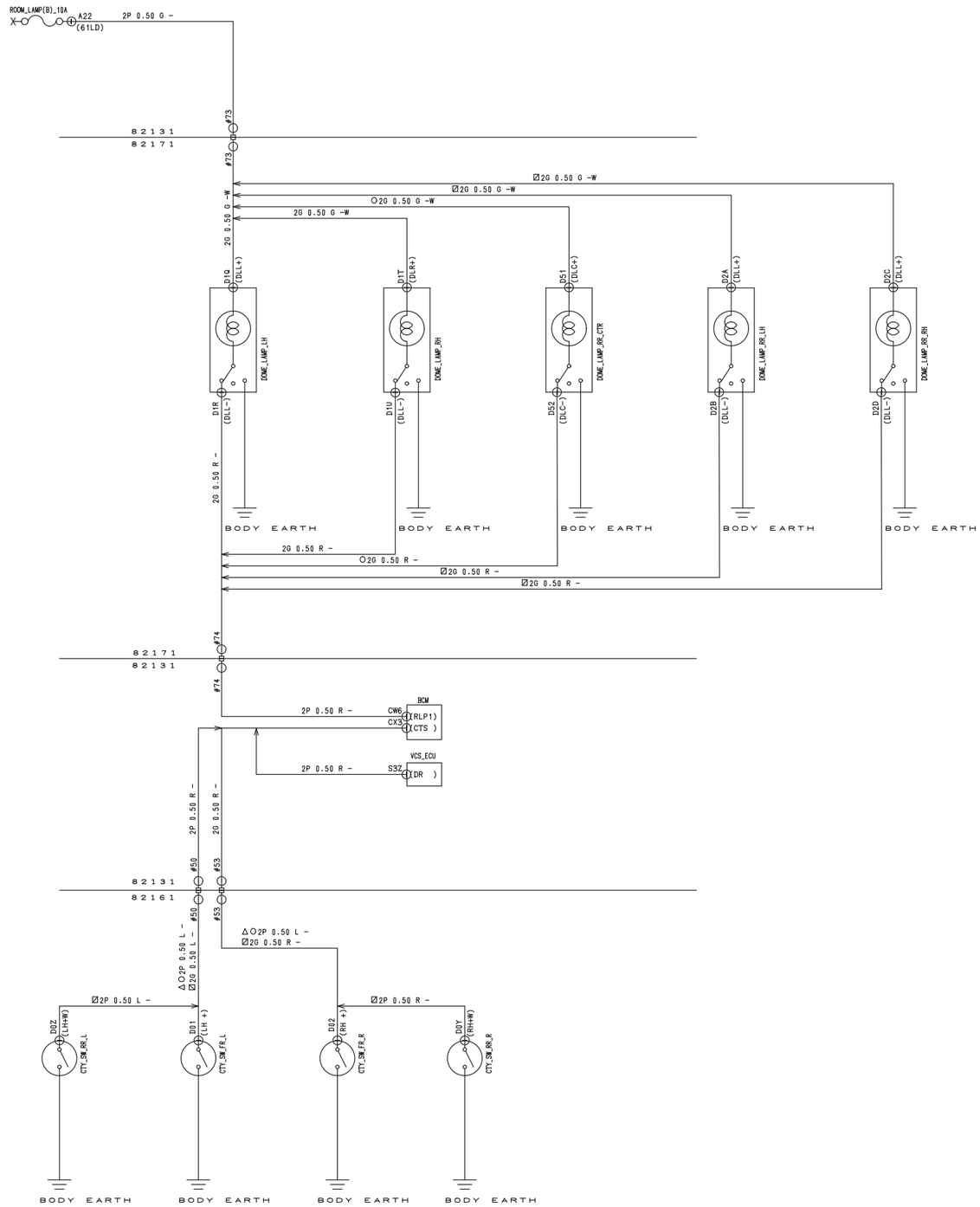



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| P/W | ○ | X | X | X | X | X | X | X |
| L/P/W | X | ○ | X | X | X | X | X | X |
| TRACTOR | X | X | ○ | X | X | X | X | X |
| TRACK | X | X | X | ○ | X | X | X | X |
| F/A | X | X | X | X | ○ | X | X | X |
| HYD | X | X | X | X | X | ○ | X | X |
| A09C | X | X | X | X | X | X | ○ | X |
| J08E+A05C | X | X | X | X | X | X | X | ○ |
| W/RIM_HTR | X | X | X | X | X | X | X | ○ |

THE CONDITION OF LIGHTING FOR HEAD LAMP, DRL AND TAIL LAMP

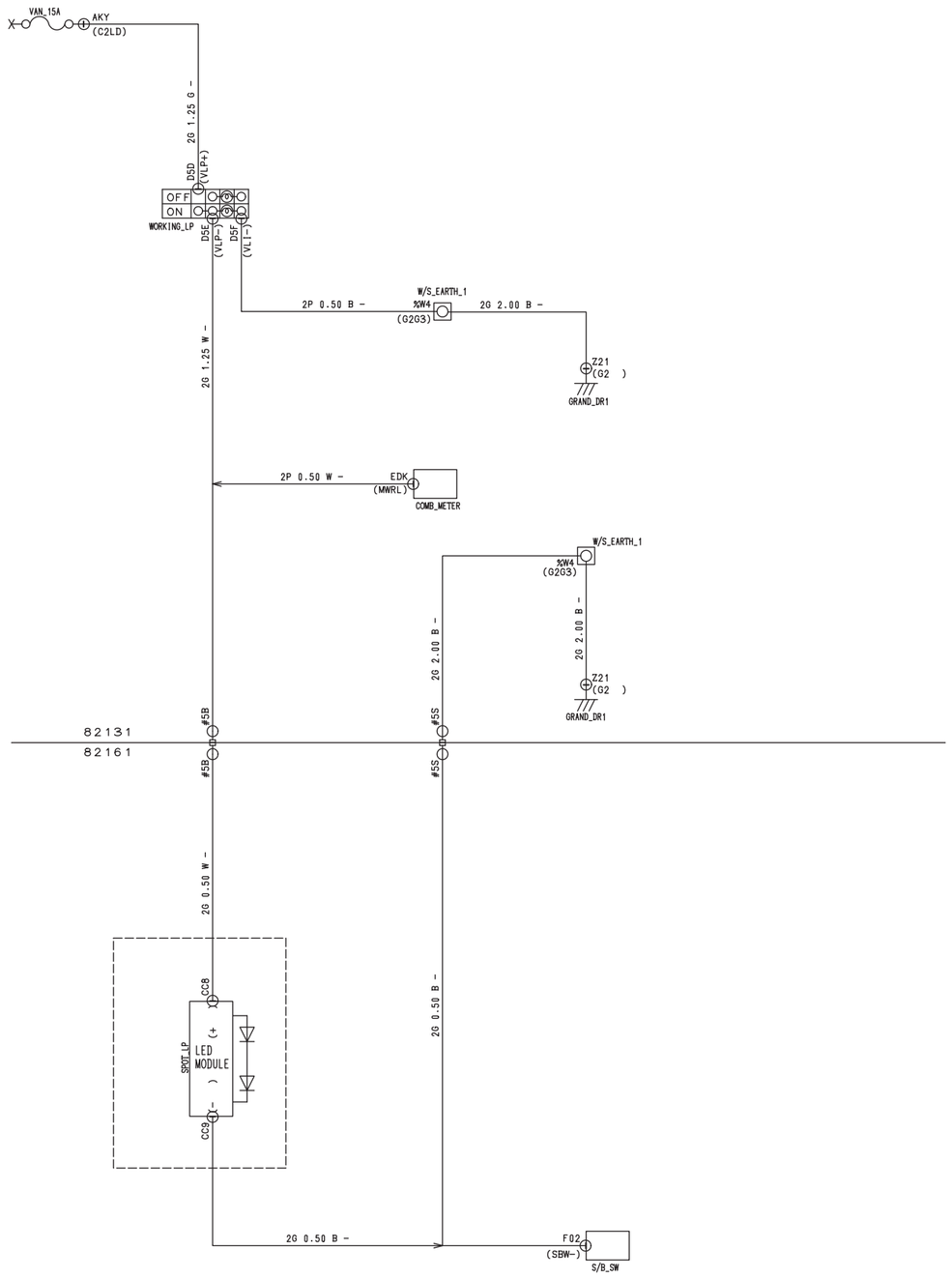
| IG SW | LIGHT SW | DIM. SW | LO | HI | DAYLIGHT | TAIL |
|---|---|---|---|---|---|---|
| OFF | OFF | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| | TAIL | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| | HEADLAMP | LO | OFF | OFF | OFF | OFF |
| | | HI | OFF | OFF | OFF | OFF |
| | | PASS | OFF | OFF | OFF | OFF |
| ON | OFF | LO | OFF | OFF | ON | OFF |
| | | HI | OFF | OFF | ON | OFF |
| | | PASS | OFF | ON | ON | OFF |
| | TAIL | LO | OFF | OFF | OFF | ON |
| | | HI | OFF | OFF | OFF | ON |
| | | PASS | OFF | ON | OFF | ON |
| | HEADLAMP | LO | ON | OFF | OFF | ON |
| | | HI | OFF | ON | OFF | ON |
| | | PASS | OFF | ON | OFF | ON |

## 14. ROOM LAMP CIRCUIT

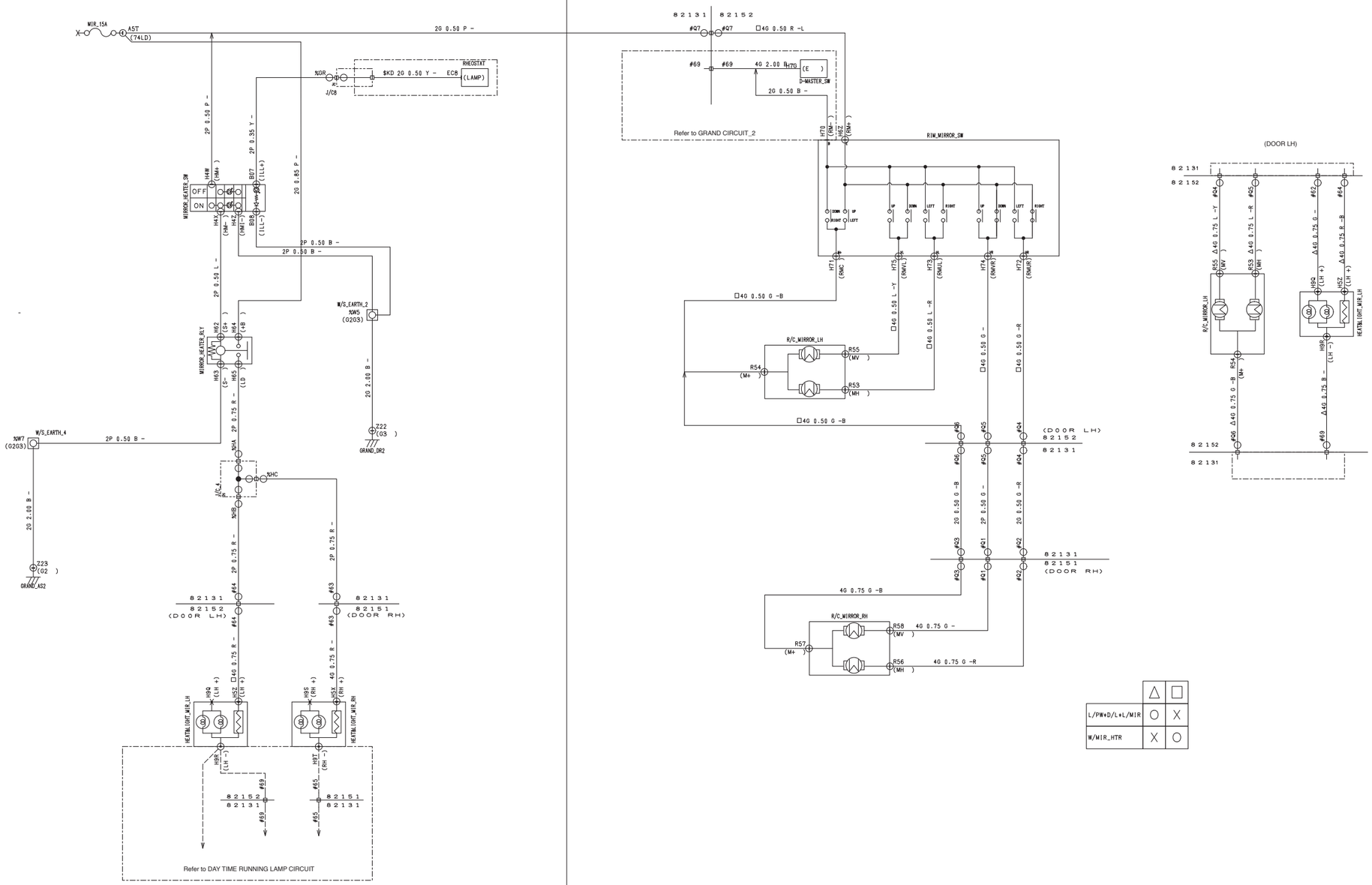



| | ○ | ⊠ | △ |
|---|---|---|---|
| EXTEND CAB | ○ | × | × |
| CREW CAB | × | ○ | × |
| DAY CAB or SINGLE CAB | × | × | ○ |

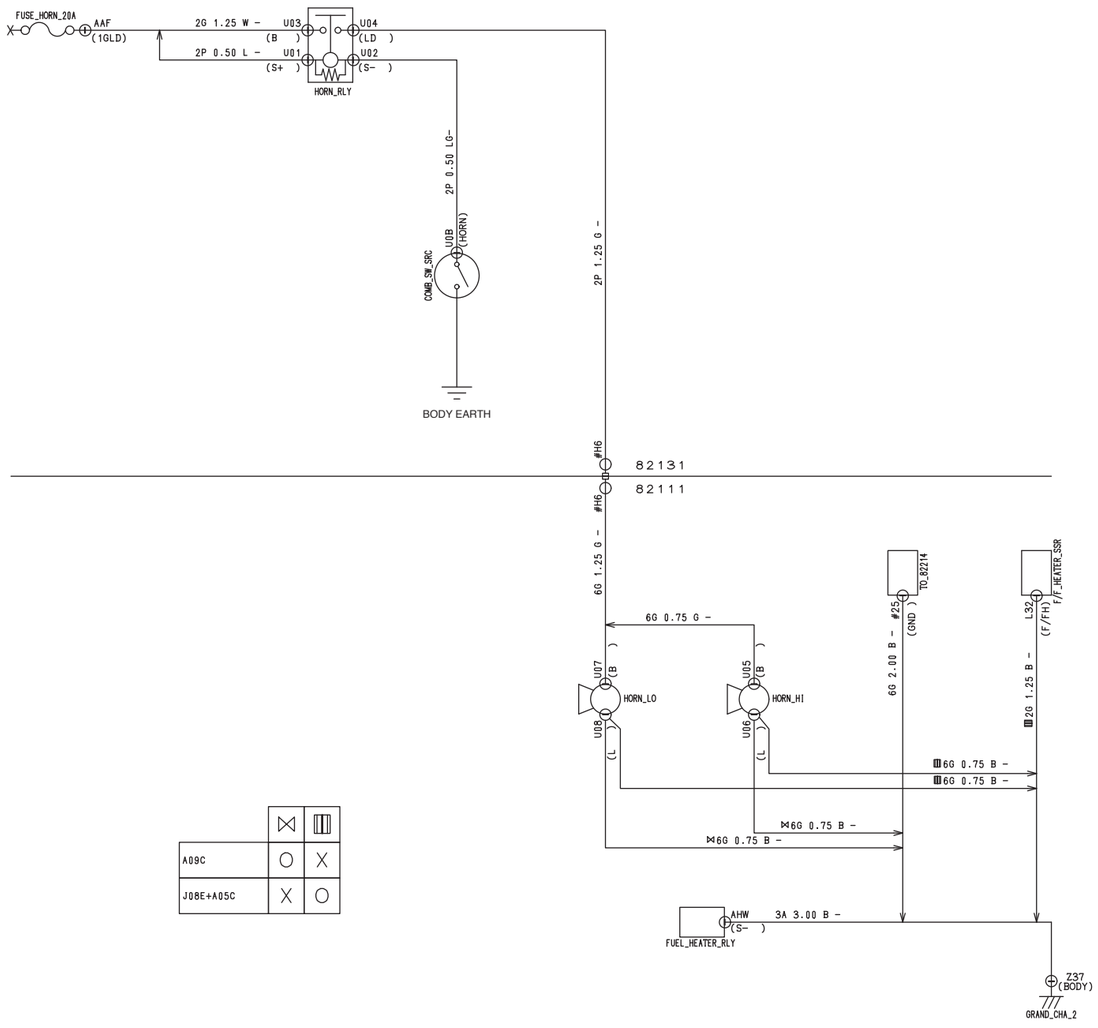
## 15. WORKING LAMP CIRCUIT



# 16. HEATING MIRROR CIRCUIT & REMOTE CONTROL MIRROR CIRCUIT

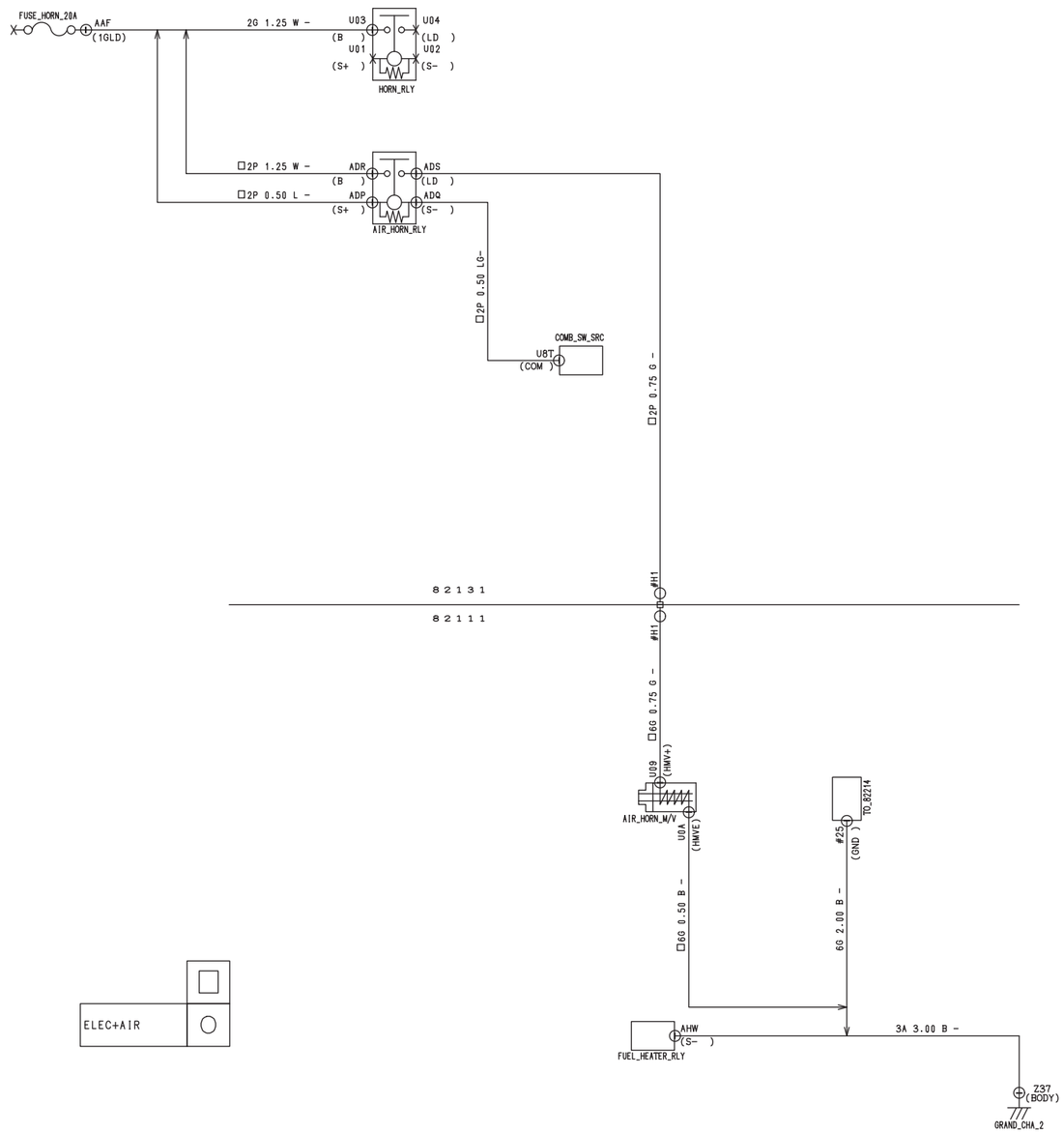


# 17. ELECTRICAL HORN CIRCUIT

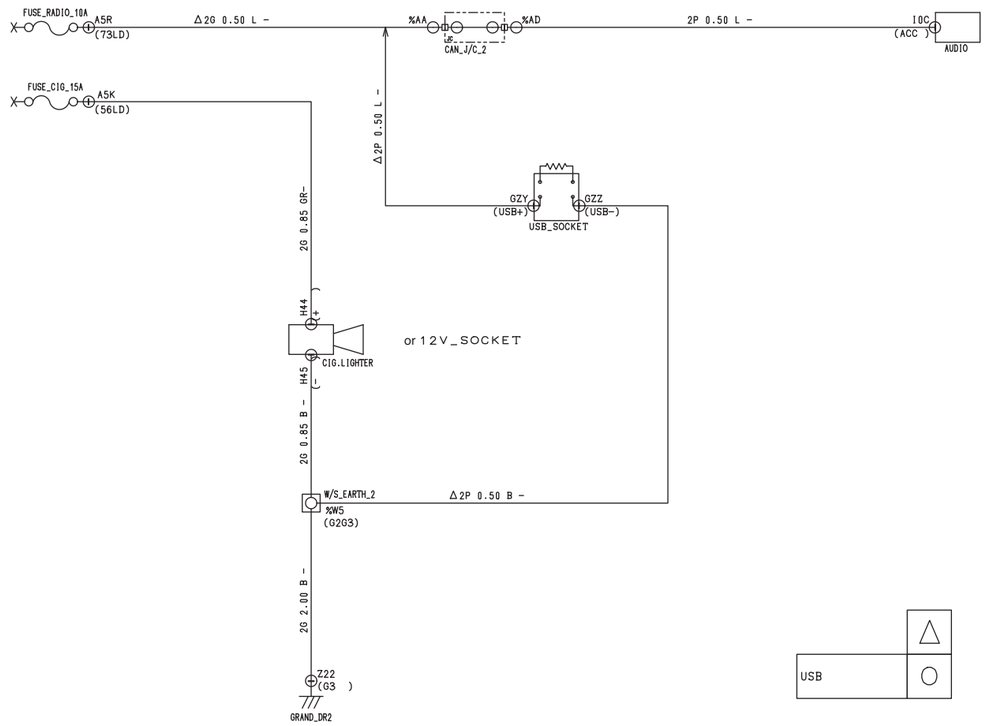



| | ⋈ | ▥ |
|---|---|---|
| A09C | ○ | × |
| J08E+A05C | × | ○ |

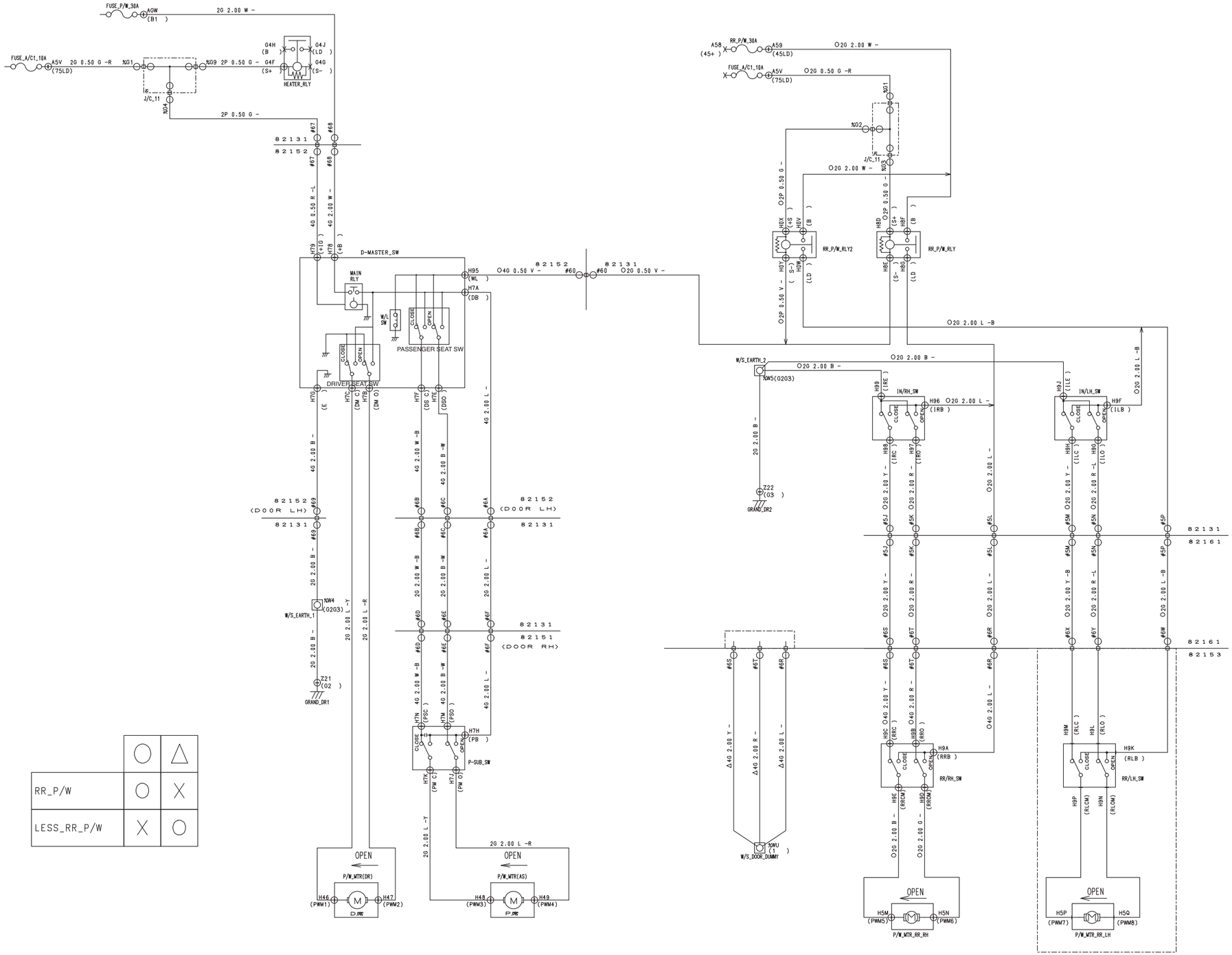
## 18. AIR HORN CIRCUIT



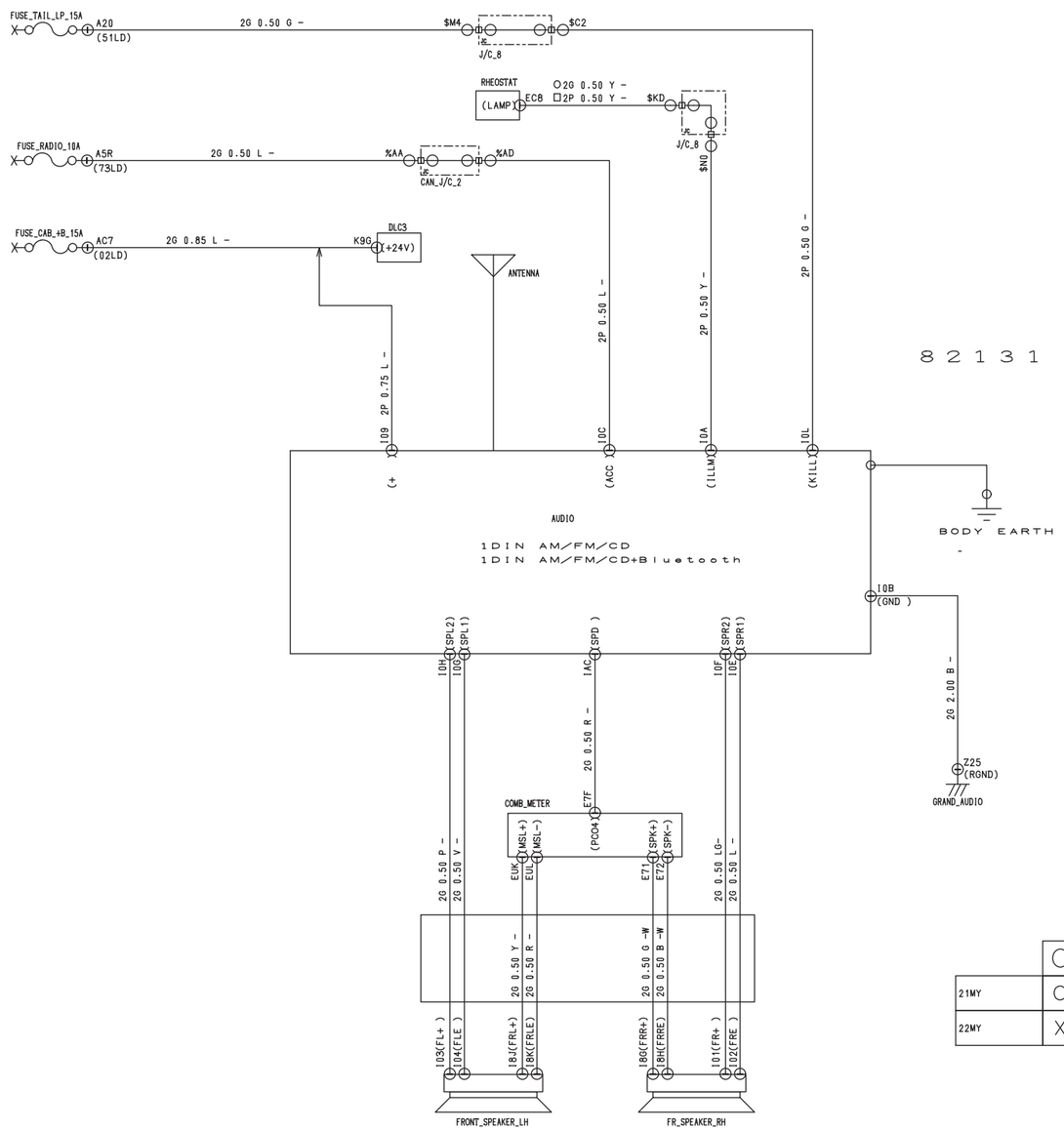
## 19. CIGARETTE LIGHTER & ACC. SOCKET CIRCUIT



# 20. POWER WINDOW CIRCUIT

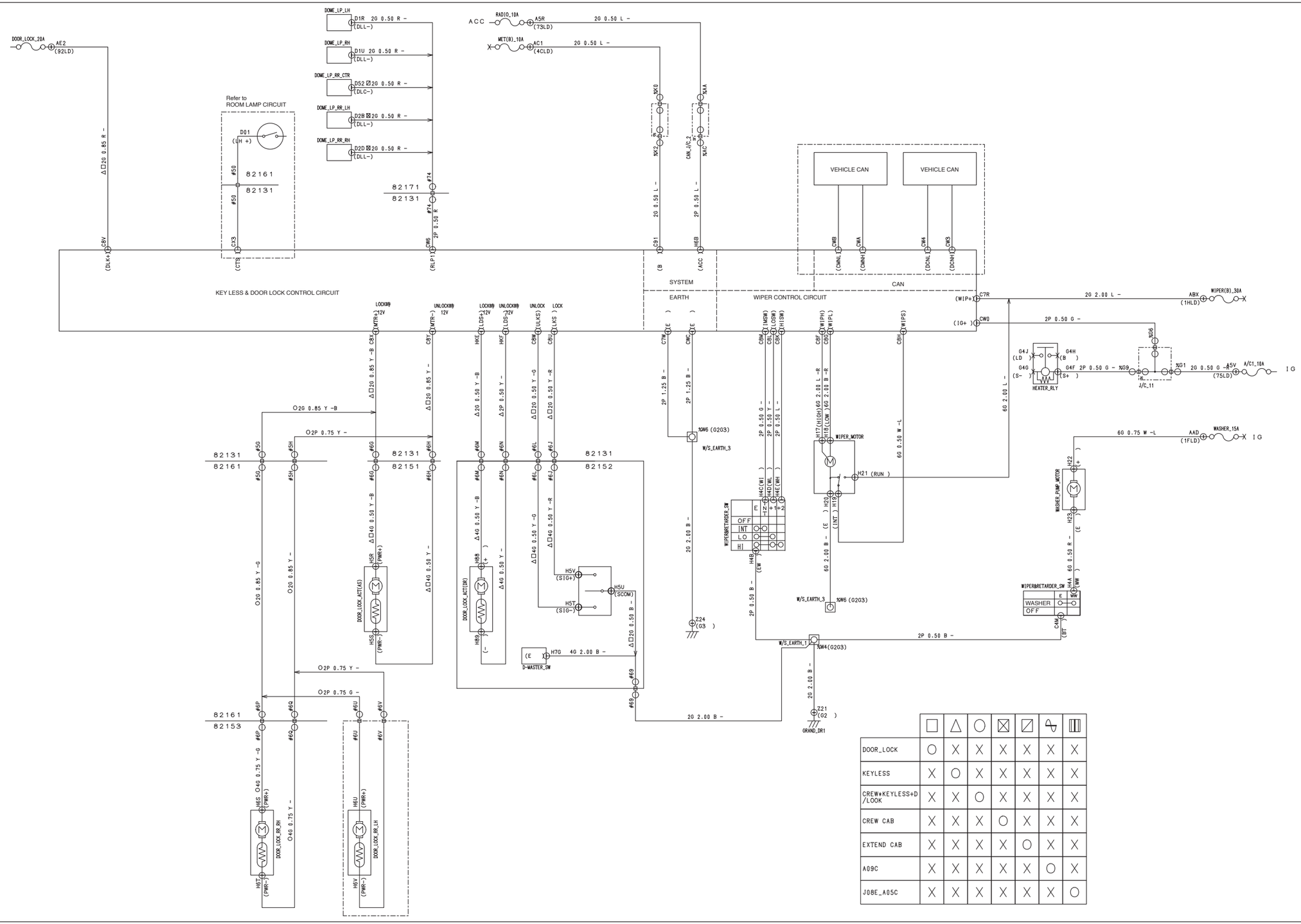


# 21. AUDIO CIRCUIT



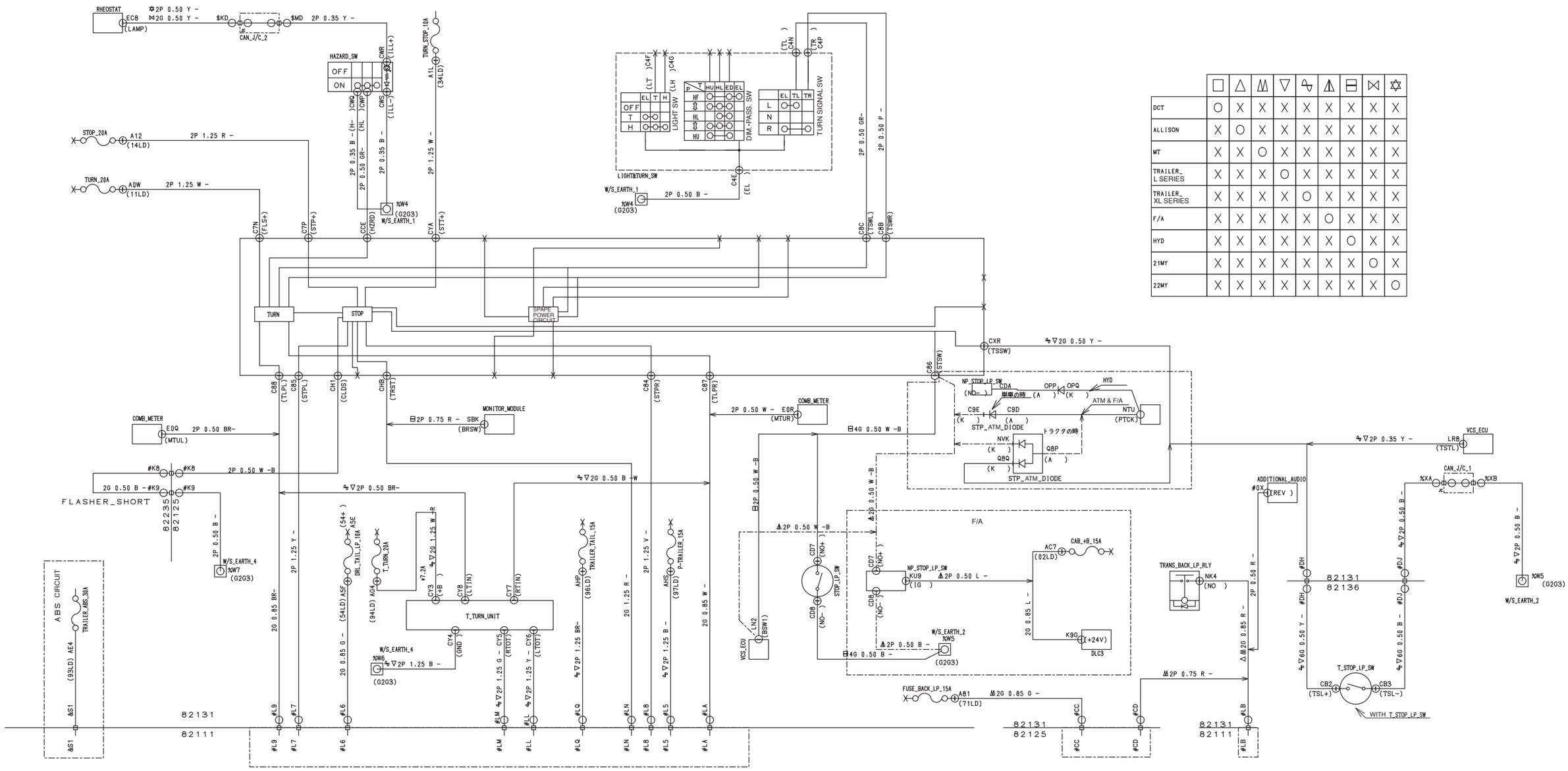

| | ○ | □ |
|---|---|---|
| 21MY | ○ | X |
| 22MY | X | ○ |

# 22. BODY CONTROL CIRCUIT_POWER D/L & KEY LESS ENTRY



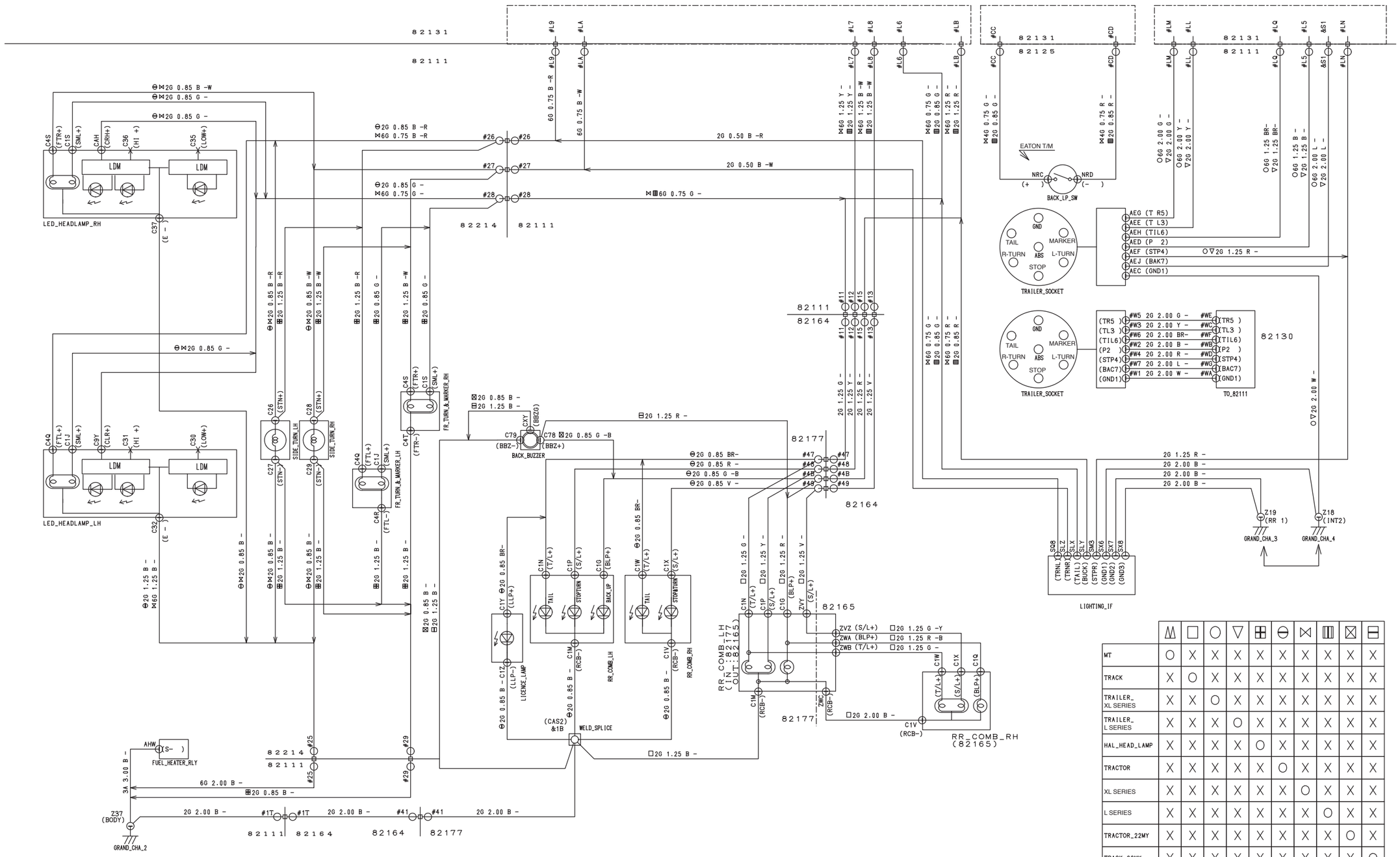

| | □ | △ | ○ | ⊠ | ◪ | ∿ | ▥ |
|---|---|---|---|---|---|---|---|
| DOOR_LOCK | ○ | X | X | X | X | X | X |
| KEYLESS | X | ○ | X | X | X | X | X |
| CREW*KEYLESS+D /LOOK | X | X | ○ | X | X | X | X |
| CREW CAB | X | X | X | ○ | X | X | X |
| EXTEND CAB | X | X | X | X | ○ | X | X |
| A09C | X | X | X | X | X | ○ | X |
| J08E_A05C | X | X | X | X | X | X | ○ |

# 23. BODY CONTROL CIRCUIT_CAB



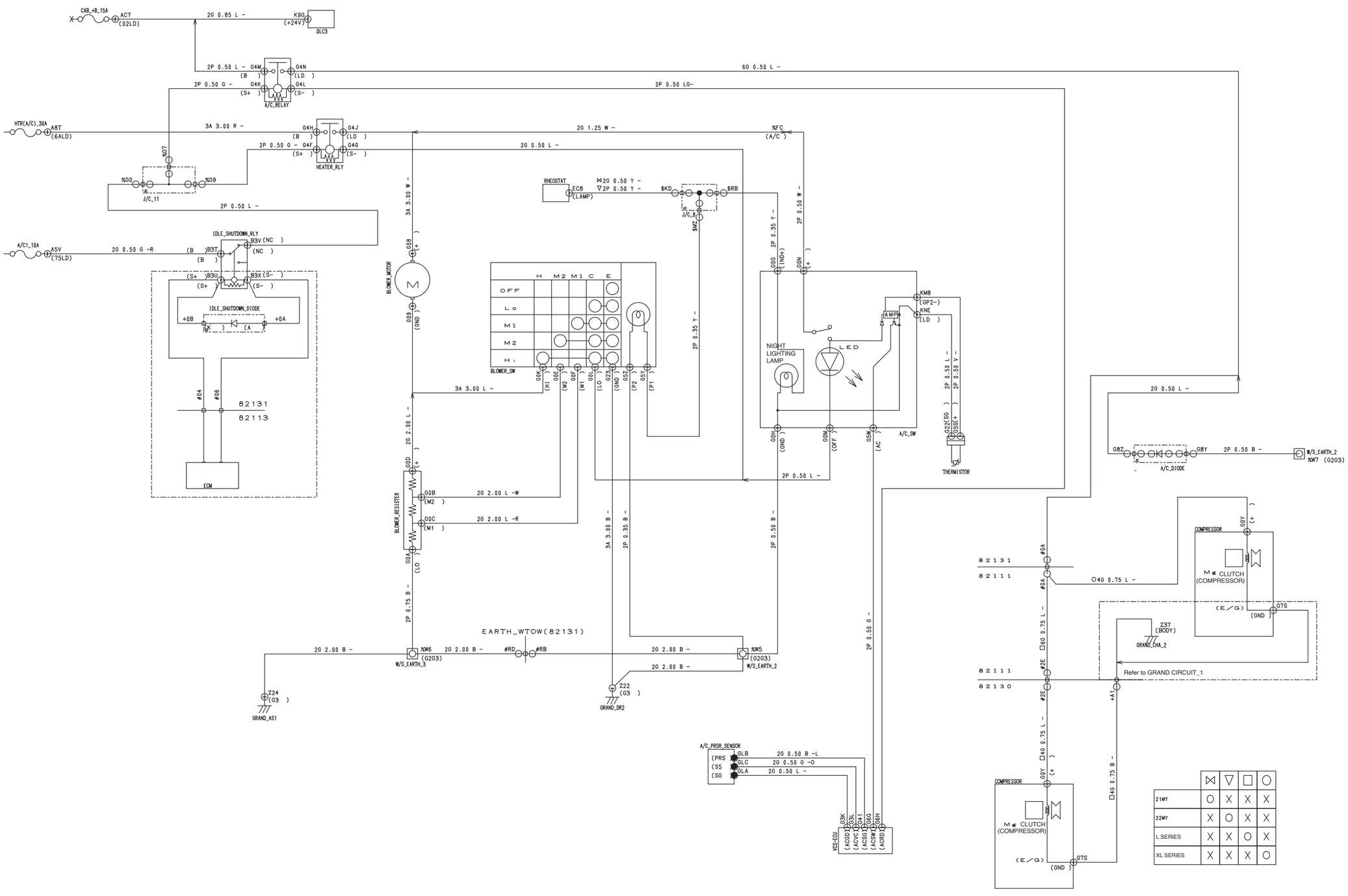

| | □ | △ | ⩚ | ▽ | ⚢ | ⚠ | ⊟ | ⋈ | ✡ |
|---|---|---|---|---|---|---|---|---|---|
| DCT | ○ | X | X | X | X | X | X | X | X |
| ALLISON | X | ○ | X | X | X | X | X | X | X |
| MT | X | X | ○ | X | X | X | X | X | X |
| TRAILER_ L SERIES | X | X | X | ○ | X | X | X | X | X |
| TRAILER_ XL SERIES | X | X | X | X | ○ | X | X | X | X |
| F/A | X | X | X | X | X | ○ | X | X | X |
| HYD | X | X | X | X | X | X | ○ | X | X |
| 21MY | X | X | X | X | X | X | X | ○ | X |
| 22MY | X | X | X | X | X | X | X | X | ○ |

# 24. BODY CONTROL CIRCUIT_CHASSIS



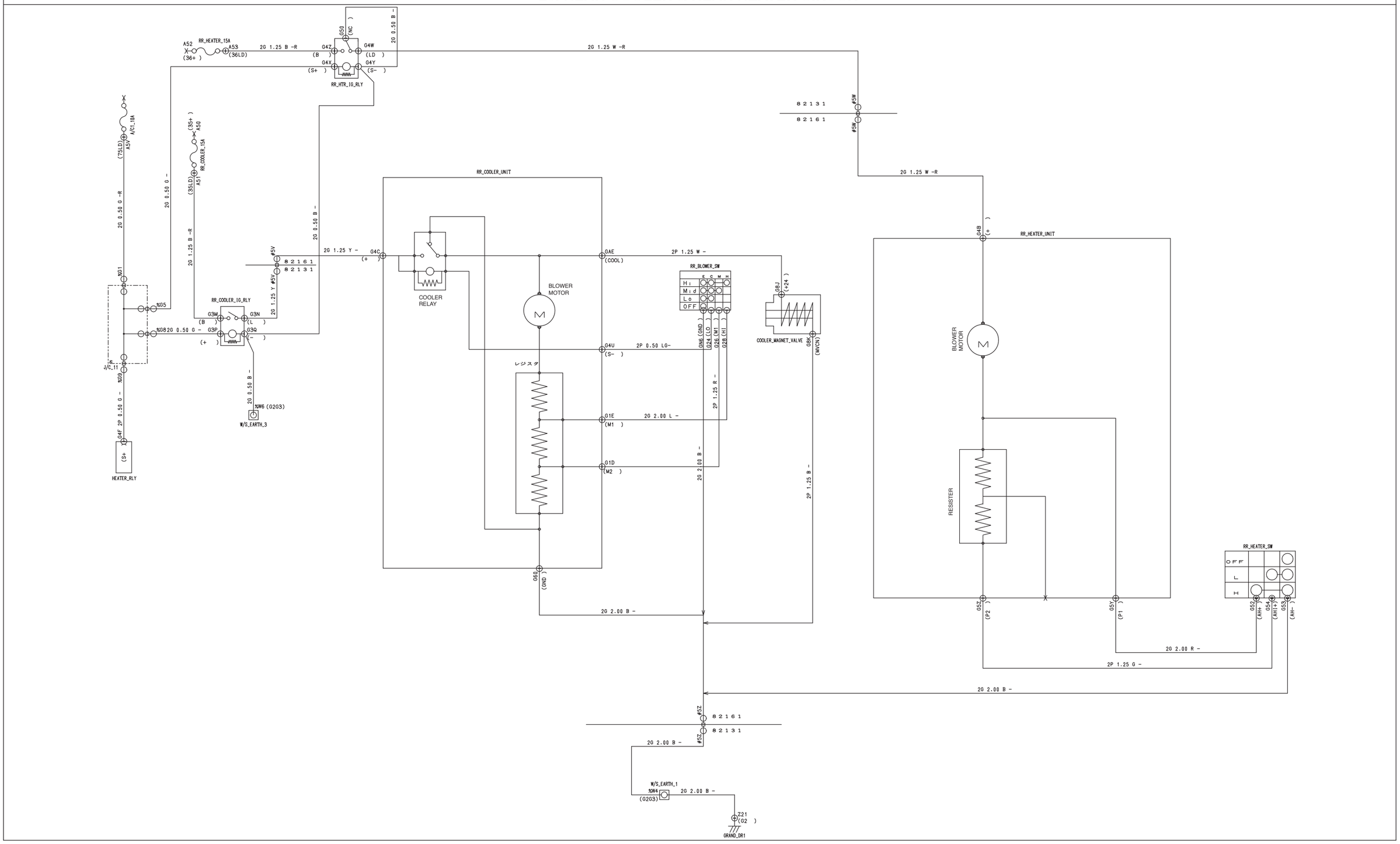

| | ⋔ | □ | ○ | ▽ | ⊞ | ⊖ | ⋈ | ▥ | ⊠ | ⊟ |
|---|---|---|---|---|---|---|---|---|---|---|
| MT | ○ | X | X | X | X | X | X | X | X | X |
| TRACK | X | ○ | X | X | X | X | X | X | X | X |
| TRAILER_ XL SERIES | X | X | ○ | X | X | X | X | X | X | X |
| TRAILER_ L SERIES | X | X | X | ○ | X | X | X | X | X | X |
| HAL_HEAD_LAMP | X | X | X | X | ○ | X | X | X | X | X |
| TRACTOR | X | X | X | X | X | ○ | X | X | X | X |
| XL SERIES | X | X | X | X | X | X | ○ | X | X | X |
| L SERIES | X | X | X | X | X | X | X | ○ | X | X |
| TRACTOR_22MY | X | X | X | X | X | X | X | X | ○ | X |
| TRACK_22MY | X | X | X | X | X | X | X | X | X | ○ |

# 25. MANUAL AIR CONDITIONER CIRCUIT

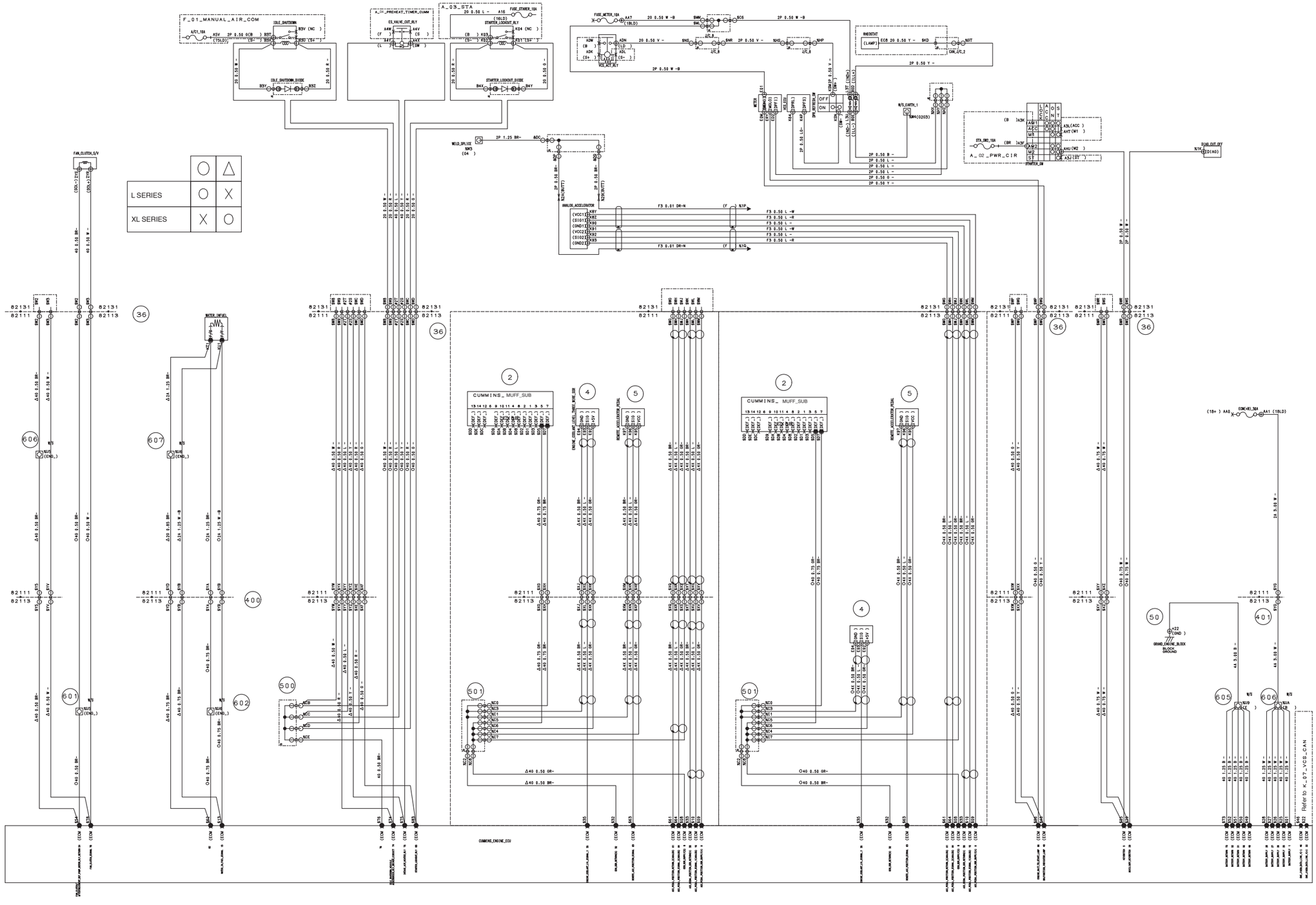



| | ⋈ | ▽ | □ | ○ |
|---|---|---|---|---|
| 21MY | ○ | X | X | X |
| 22MY | X | ○ | X | X |
| L SERIES | X | X | ○ | X |
| XL SERIES | X | X | X | ○ |

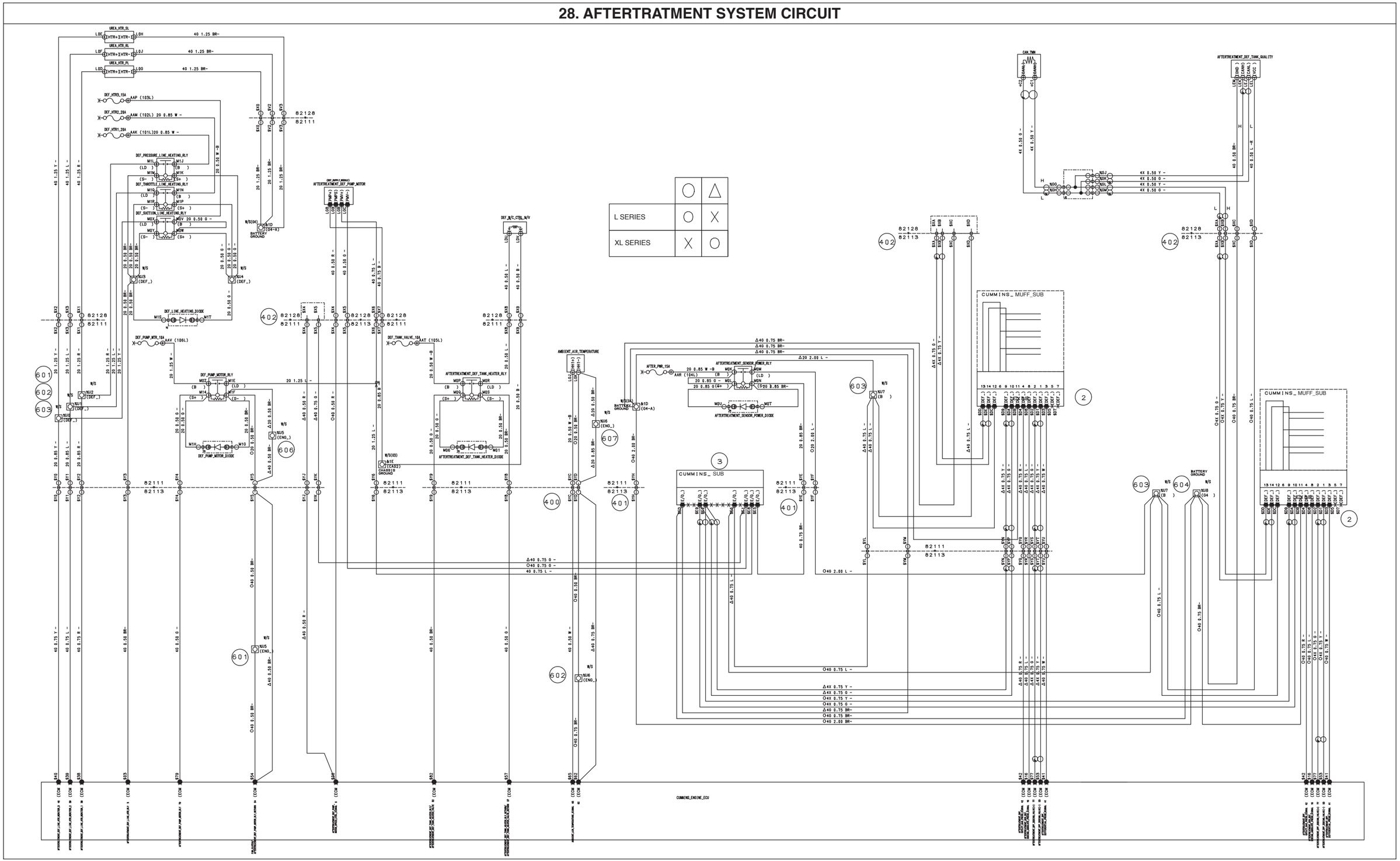
# 26. REAR COOLER & REAR HEATER CIRCUIT



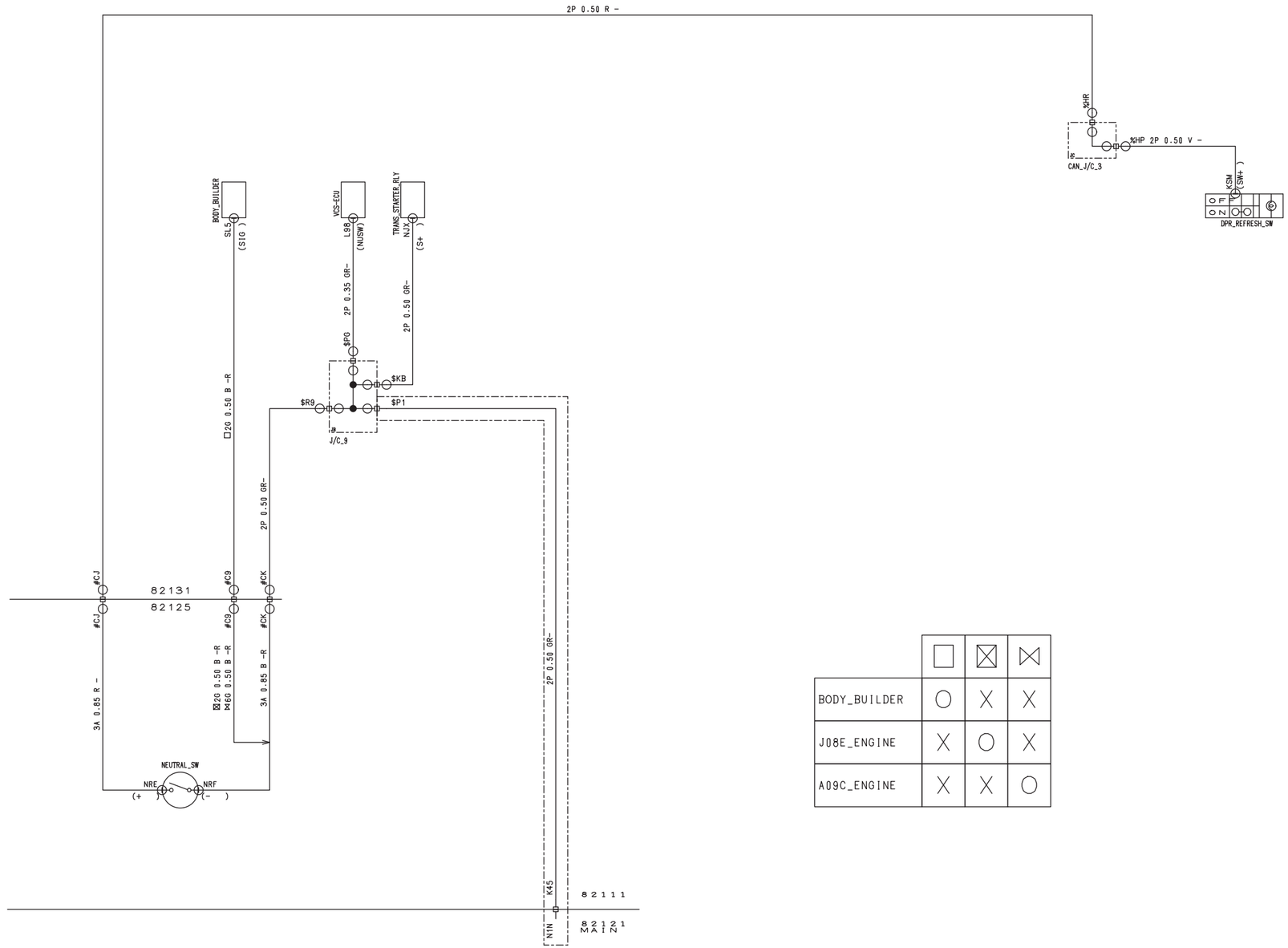
# 27. CUMMINZ ENGINE ECU & ECM CIRCUIT



# 28. AFTERTRATMENT SYSTEM CIRCUIT

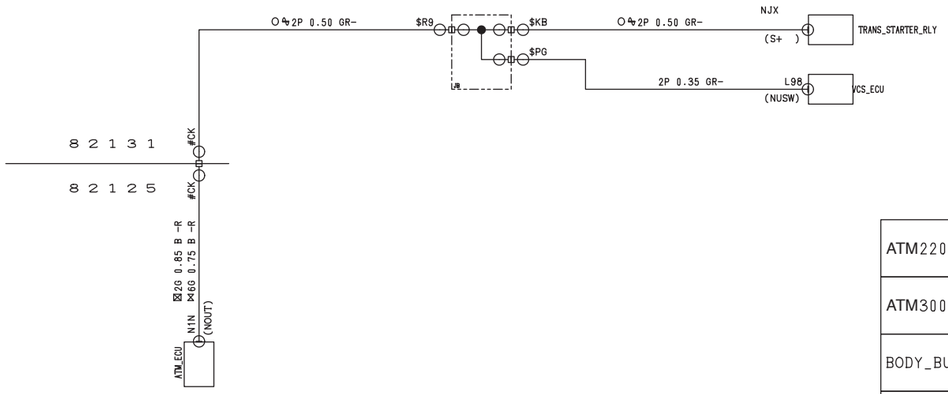


## 29. COMMON RAIL CIRCUIT_MTM EXHAUST BRAKE



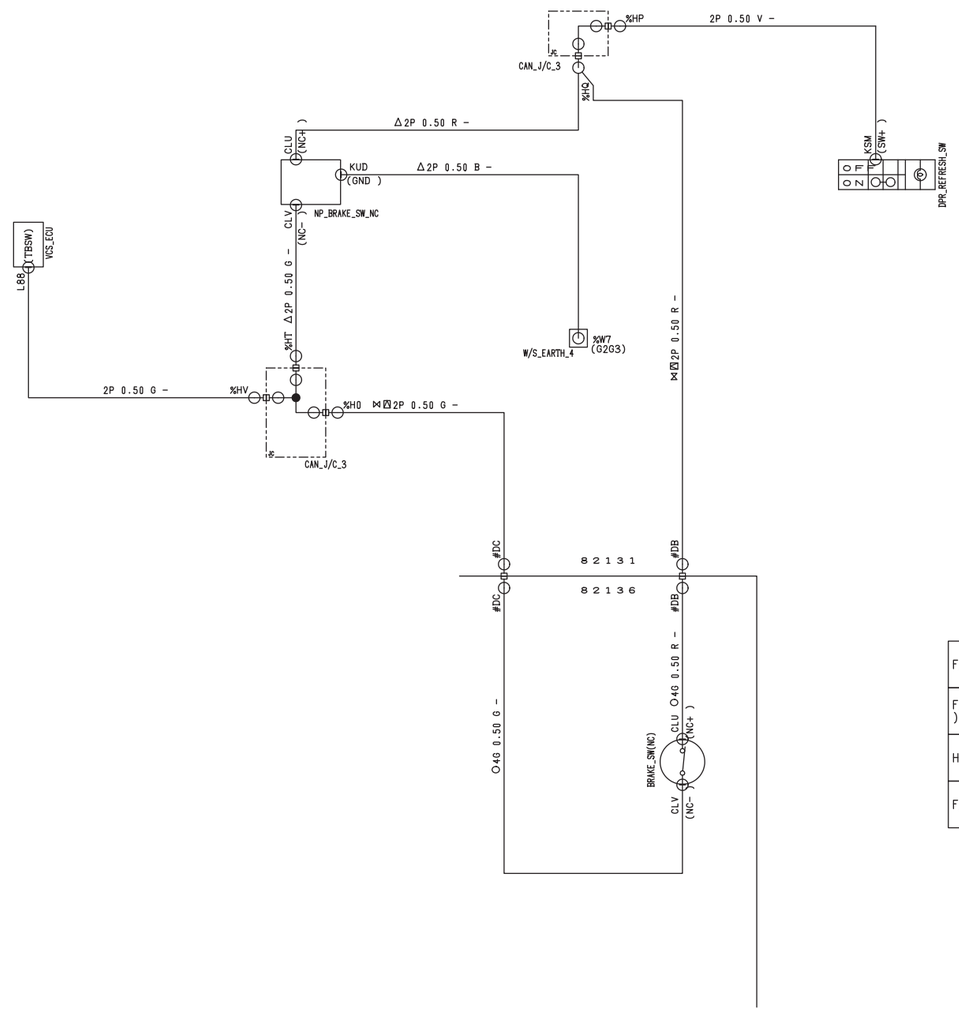

| | □ | ⊠ | ⋈ |
|---|---|---|---|
| BODY_BUILDER | ○ | × | × |
| J08E_ENGINE | × | ○ | × |
| A09C_ENGINE | × | × | ○ |

## 30. COMMON RAIL CIRCUIT_ATM EXHAUST BRAKE



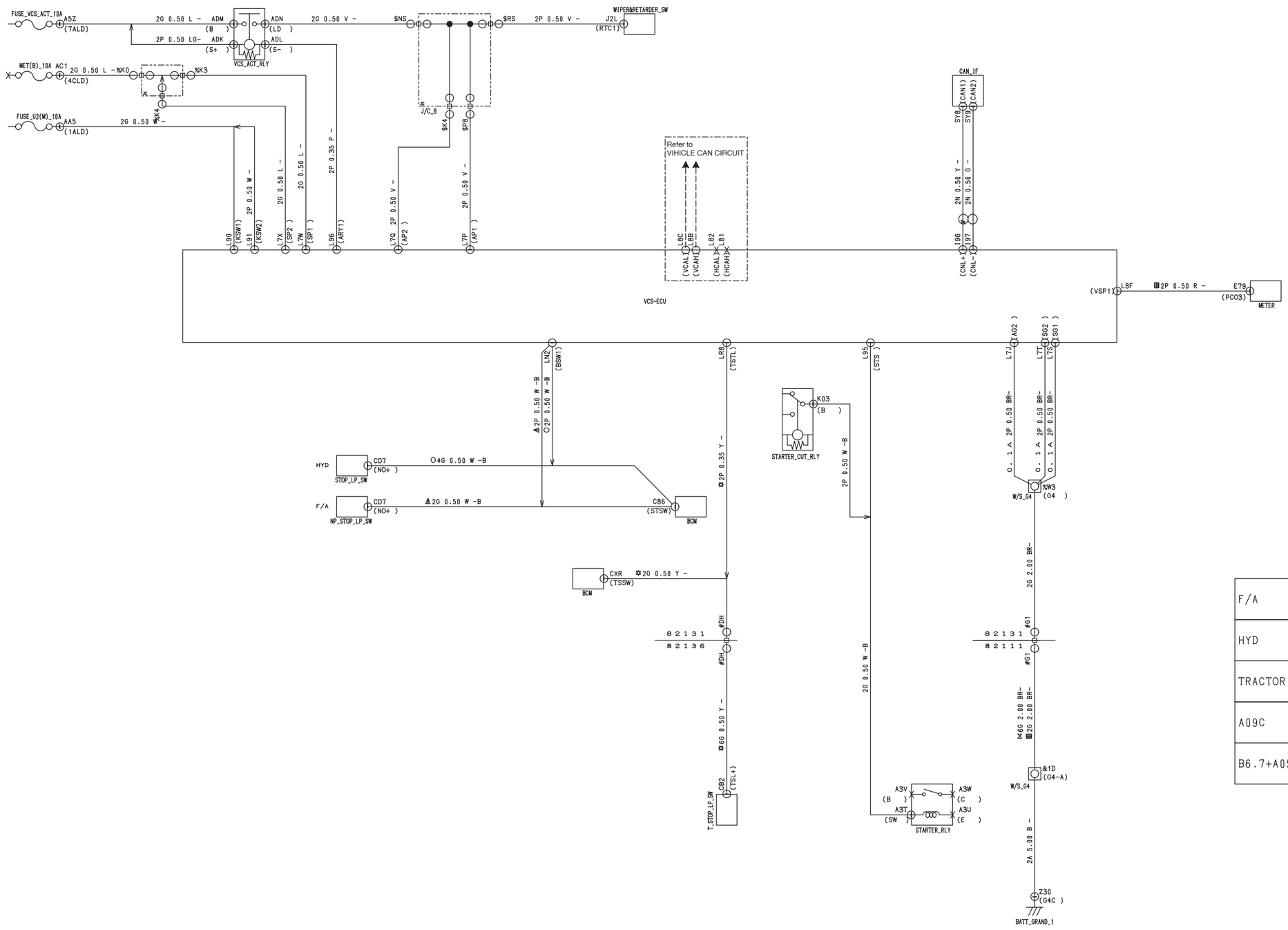

| | ○ | ∿ | □ | ⊠ | ⋈ |
|---|---|---|---|---|---|
| ATM2200 | ○ | X | X | X | X |
| ATM3000 | X | ○ | X | X | X |
| BODY_BUILDER | X | X | ○ | X | X |
| J08E_ENGINE | X | X | X | ○ | X |
| A09C_ENGINE | X | X | X | X | ○ |

# 31. COMMON RAIL CIRCUIT_FS CURSE



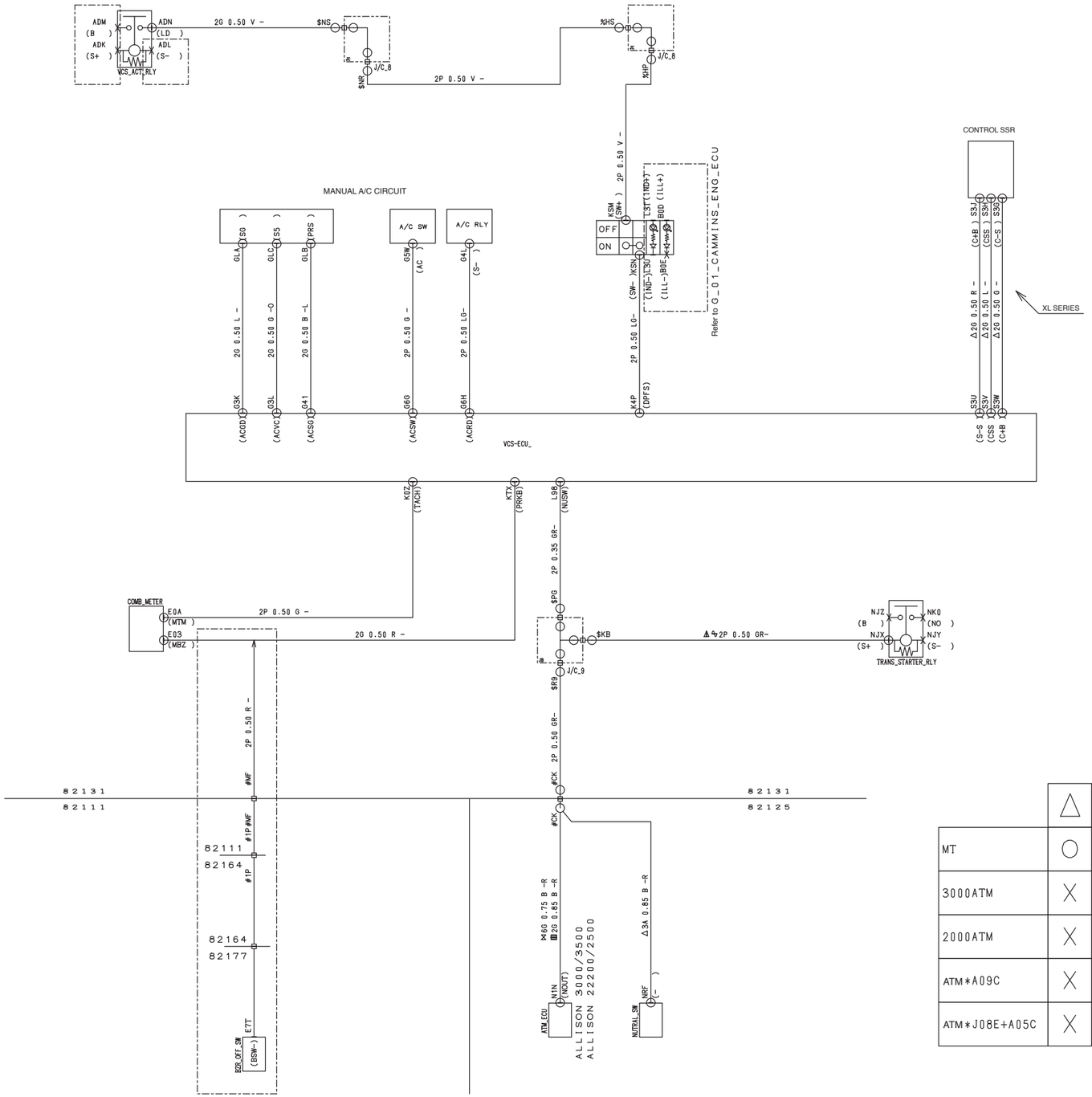

| | ⋈ | ⊠ | △ | ○ |
|---|---|---|---|---|
| F/A_A09C | ○ | X | X | X |
| F/A_(J08E+A05C ) | X | ○ | X | X |
| HYD | X | X | ○ | X |
| F/A | X | X | X | ○ |

# 32. VEHICLE CONTROL ECU CIRCUIT_1



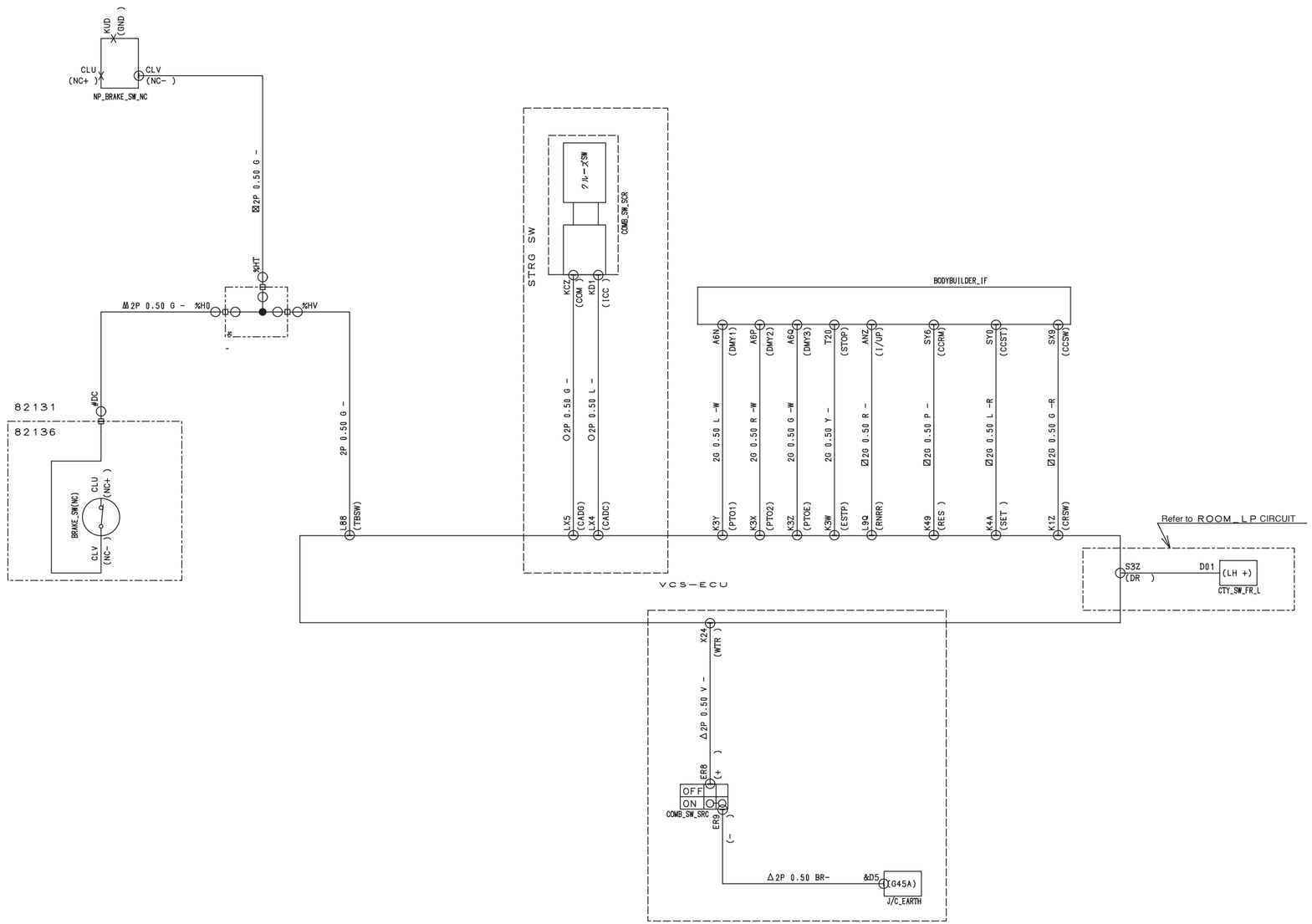

| | △ | ○ | ✡ | ⋈ | ▥ |
|---|---|---|---|---|---|
| F/A | ○ | × | × | × | × |
| HYD | × | ○ | × | × | × |
| TRACTOR | × | × | ○ | × | × |
| A09C | × | × | × | ○ | × |
| B6.7+A05C | × | × | × | × | ○ |

# 33. VEHICLE CONTROL ECU CIRCUIT_2



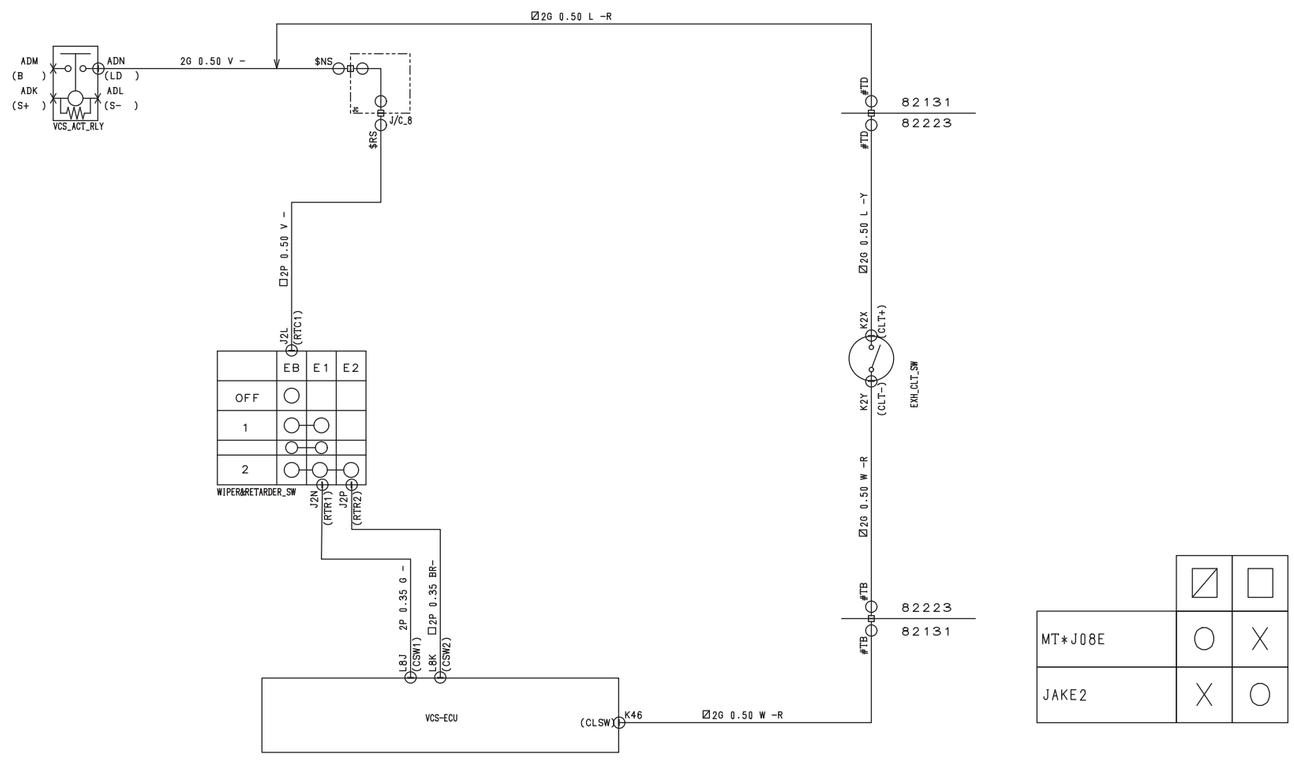

| | △ | ∿ | ⧋ | ⋈ | ▥ |
|---|---|---|---|---|---|
| MT | ○ | × | × | × | × |
| 3000ATM | × | ○ | × | × | × |
| 2000ATM | × | × | ○ | × | × |
| ATM＊A09C | × | × | × | ○ | × |
| ATM＊J08E+A05C | × | × | × | × | ○ |

## 34. VEHICLE CONTROL ECU CIRCUIT_3

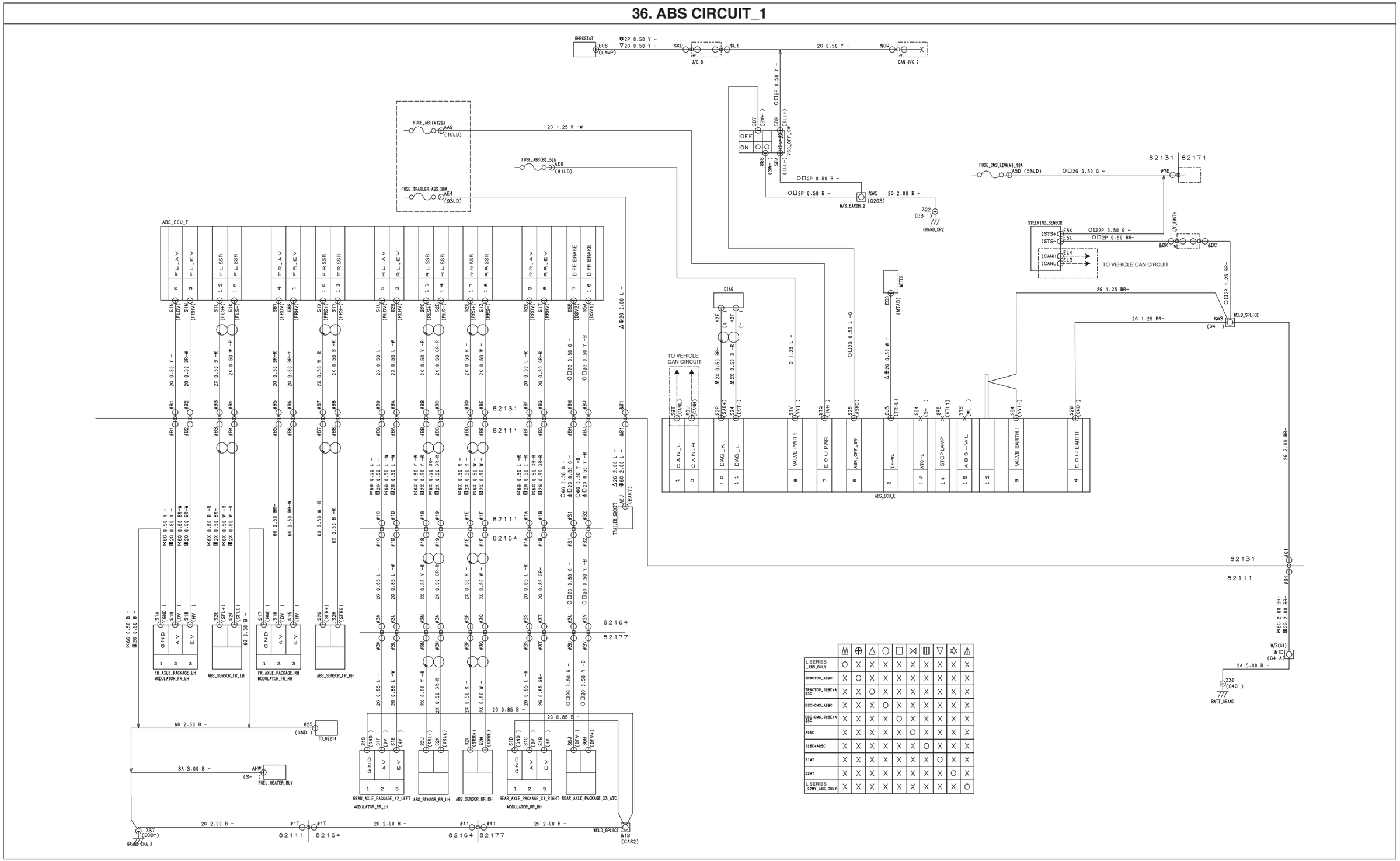



| | ⊠ | ⊠ | ⋀⋀ | ○ | △ |
|---|---|---|---|---|---|
| KASOU | ○ | X | X | X | X |
| HYD | X | ○ | X | X | X |
| F/A | X | X | ○ | X | X |
| FS_CRUISE | X | X | X | ○ | X |
| SHAKAN_CRUSE | X | X | X | X | ○ |

## 35. VEHICLE CONTROL ECU CIRCUIT_4 (EXHAUST BRAKE)

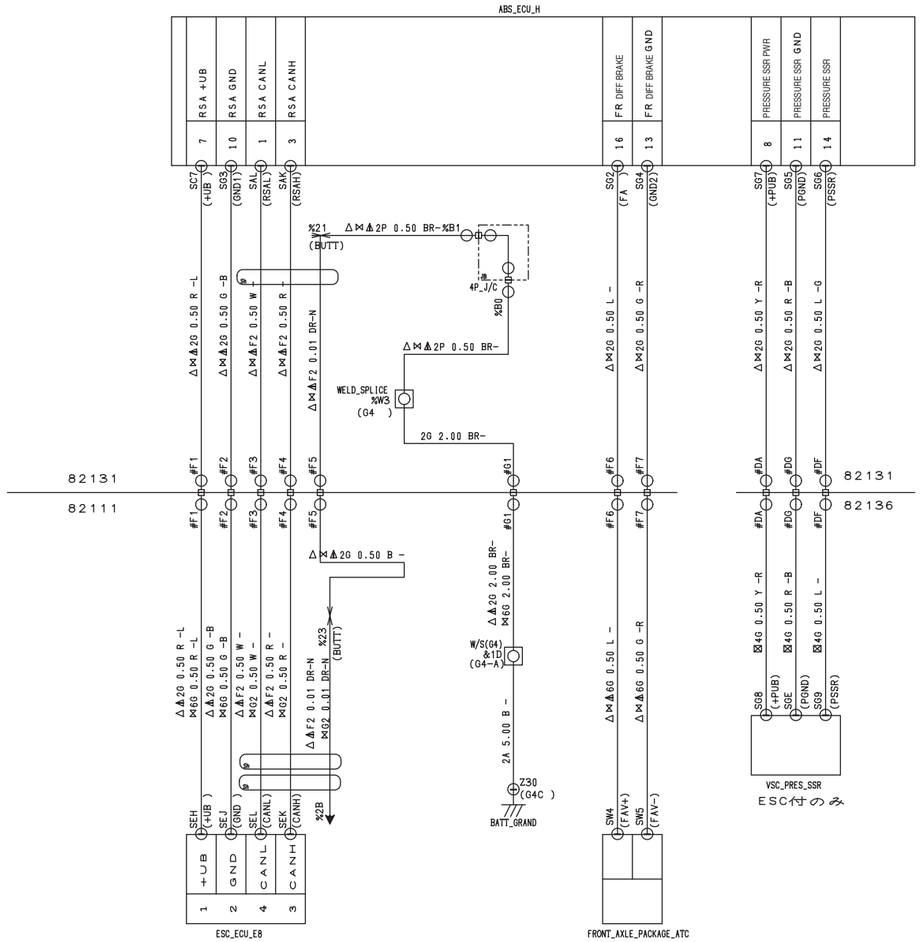


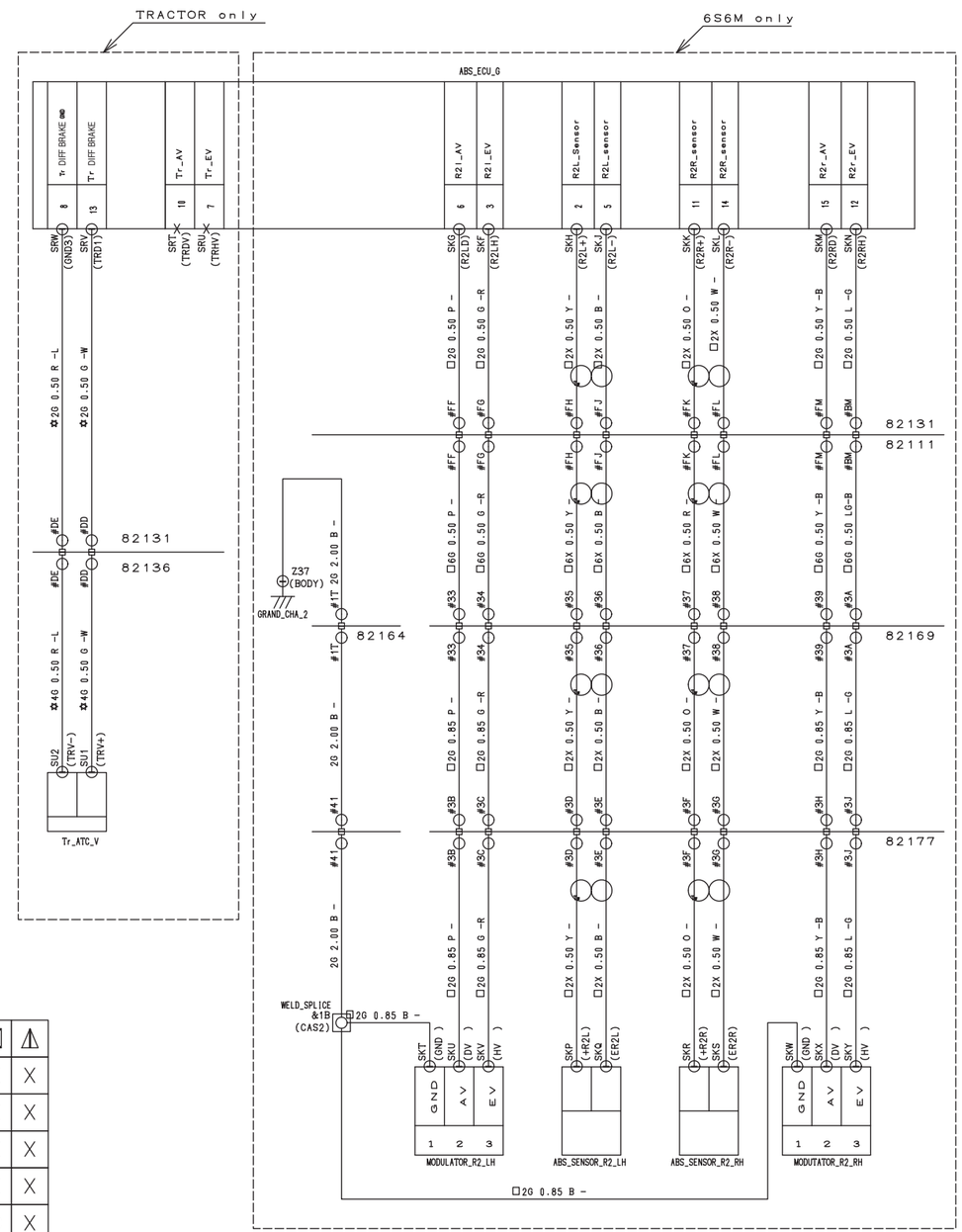
# 36. ABS CIRCUIT_1




| | △1 | ⊕ | △ | ○ | □ | ⋈ | ▥ | ▽ | ✡ | △1 |
|---|---|---|---|---|---|---|---|---|---|---|
| L SERIES _ABS_ONLY | ○ | X | X | X | X | X | X | X | X | X |
| TRACTOR_A09C | X | ○ | X | X | X | X | X | X | X | X |
| TRACTOR_J08E+A05C | X | X | ○ | X | X | X | X | X | X | X |
| ESC+CMS_A09C | X | X | X | ○ | X | X | X | X | X | X |
| ESC+CMS_J08E+A05C | X | X | X | X | ○ | X | X | X | X | X |
| A05C | X | X | X | X | X | ○ | X | X | X | X |
| J08E+A05C | X | X | X | X | X | X | ○ | X | X | X |
| 21WY | X | X | X | X | X | X | X | ○ | X | X |
| 22WY | X | X | X | X | X | X | X | X | ○ | X |
| L SERIES _22WY_ABS_ONLY | X | X | X | X | X | X | X | X | X | ○ |

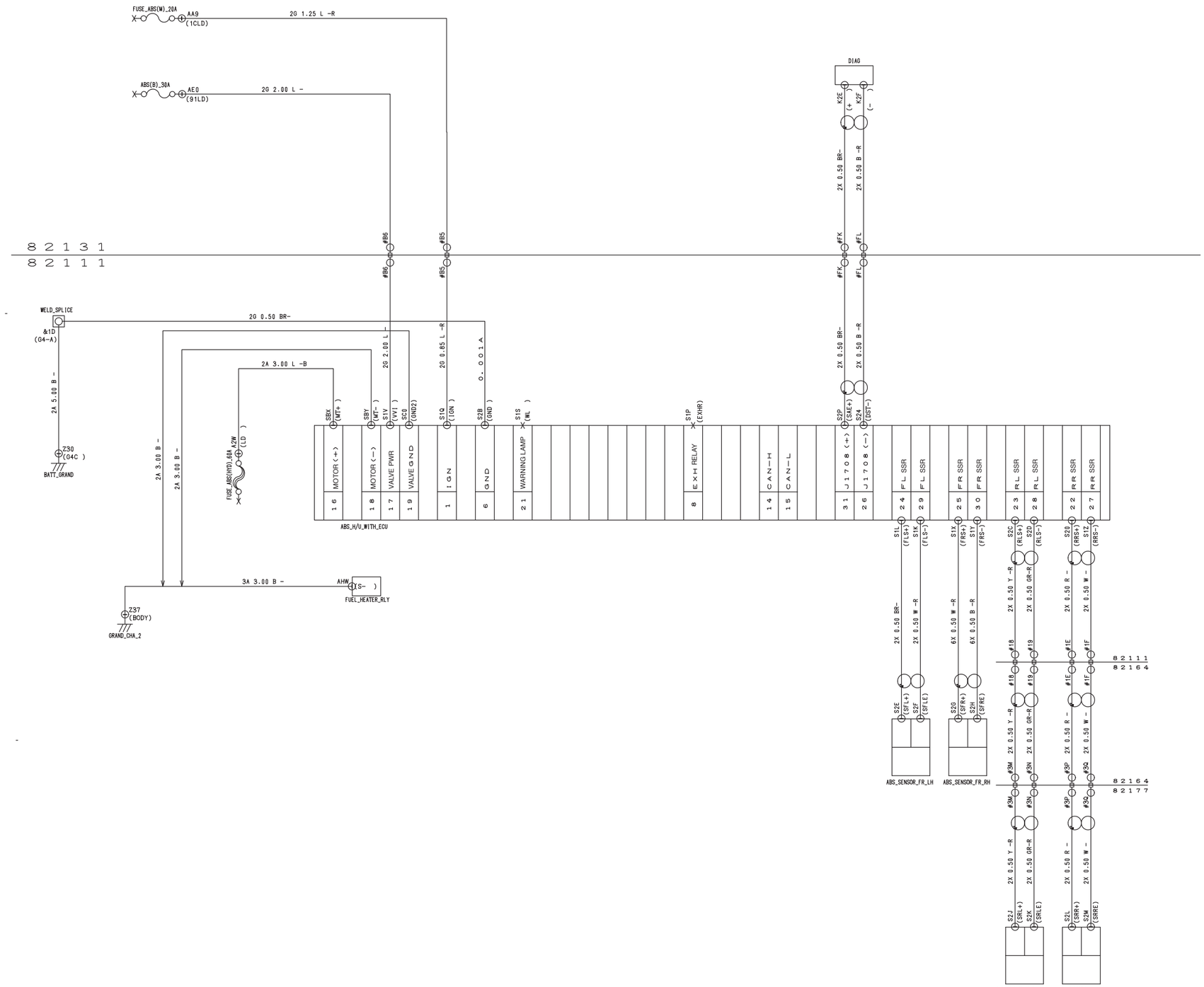
# 37. ABS CIRCUIT_2



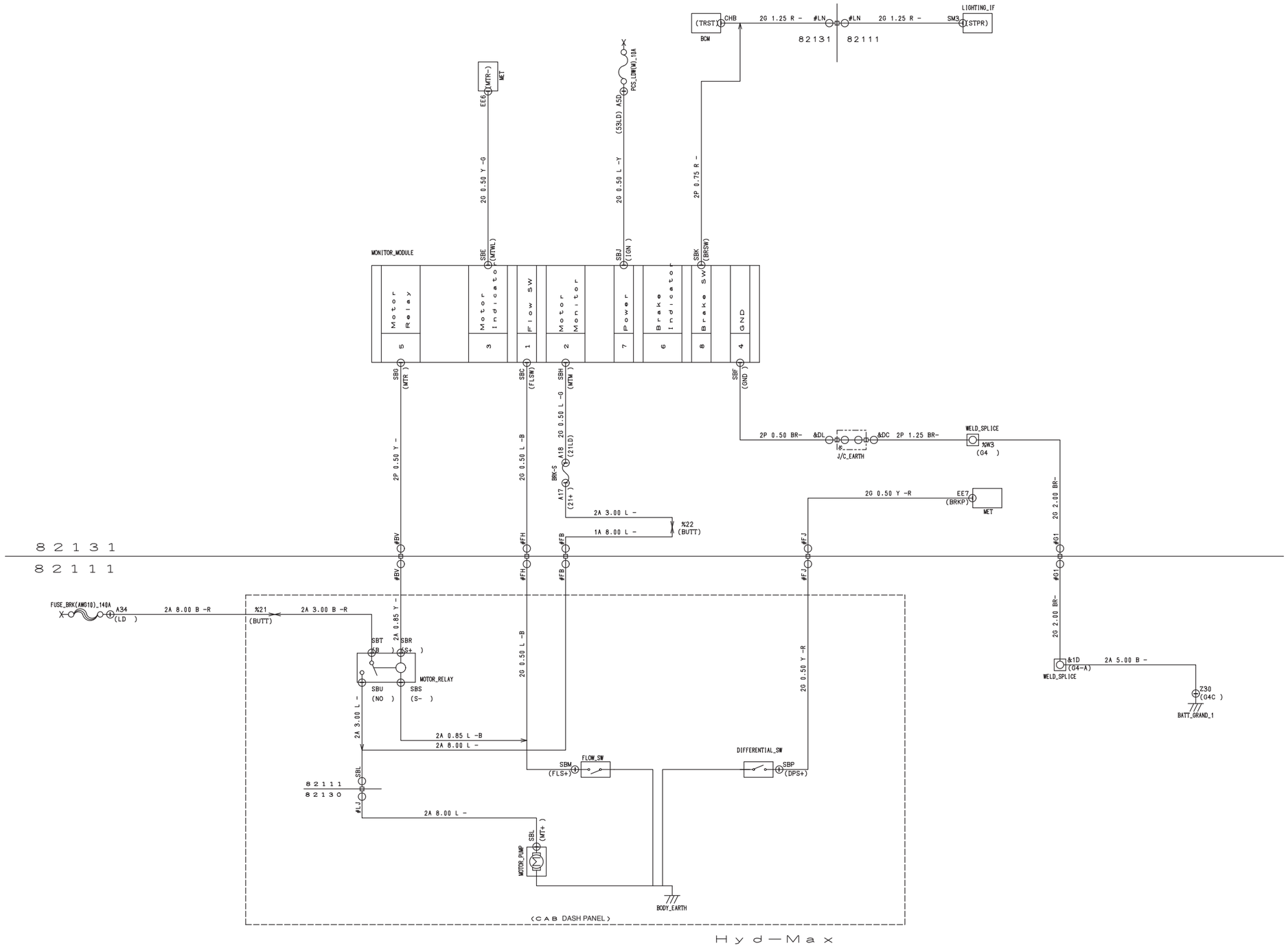




| | ✡ | △ | ⋈ | □ | ⊠ | ◭ |
|---|---|---|---|---|---|---|
| TRACTOR | ○ | X | X | X | X | X |
| VSC_CMS_J08E+A05C | X | ○ | X | X | X | X |
| VSC_CMS_A09C | X | X | ○ | X | X | X |
| 6S6M | X | X | X | ○ | X | X |
| VSC_CMS | X | X | X | X | ○ | X |
| L SERIES _22MY_ABS_ONLY | X | X | X | X | X | ○ |

## 38. ABS CIRCUIT_3 (HYDRAULIC BRAKE Ver. E)

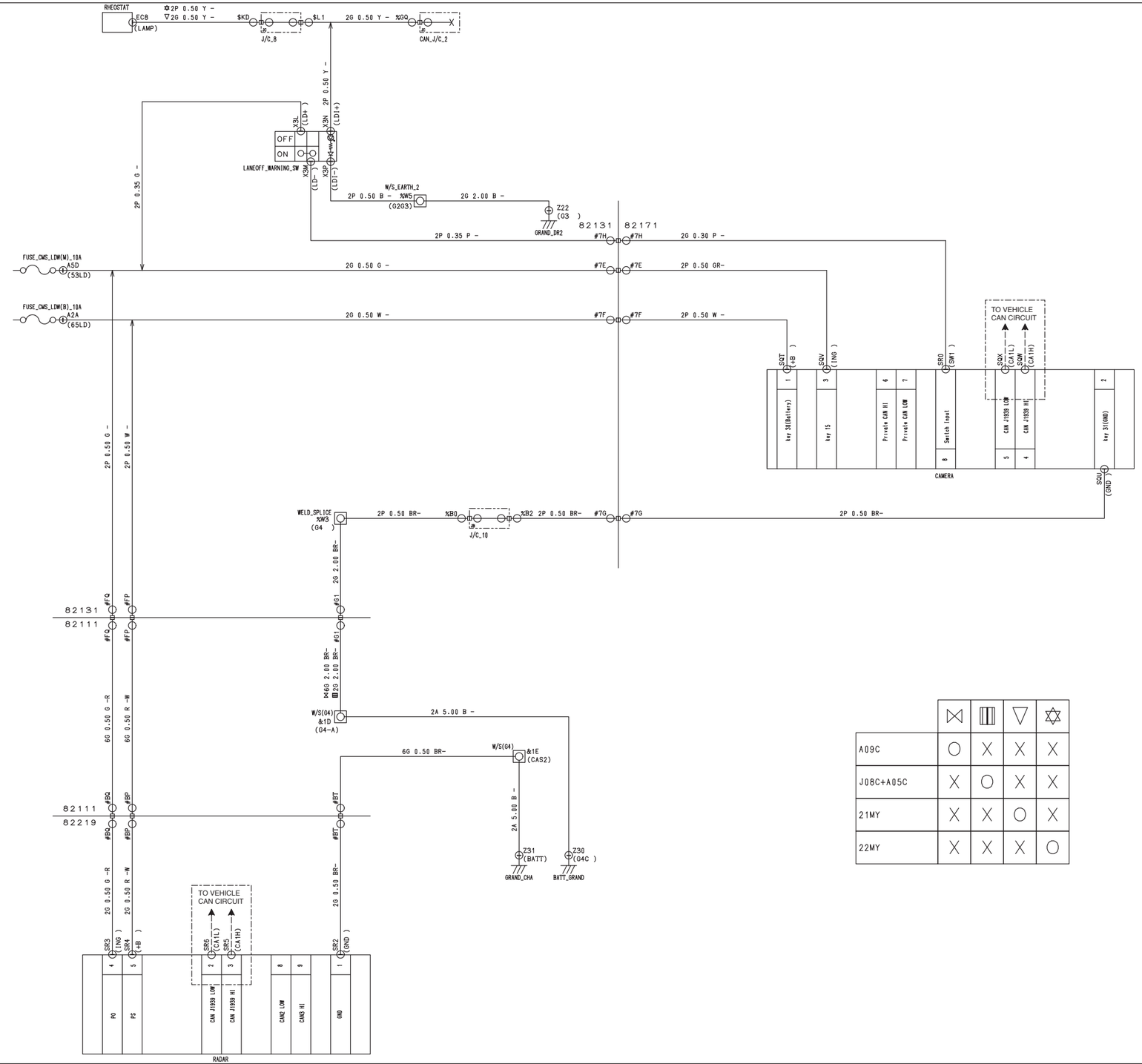


# 39. HYDRAULIC BRAKE SYSTEM CIRCUIT



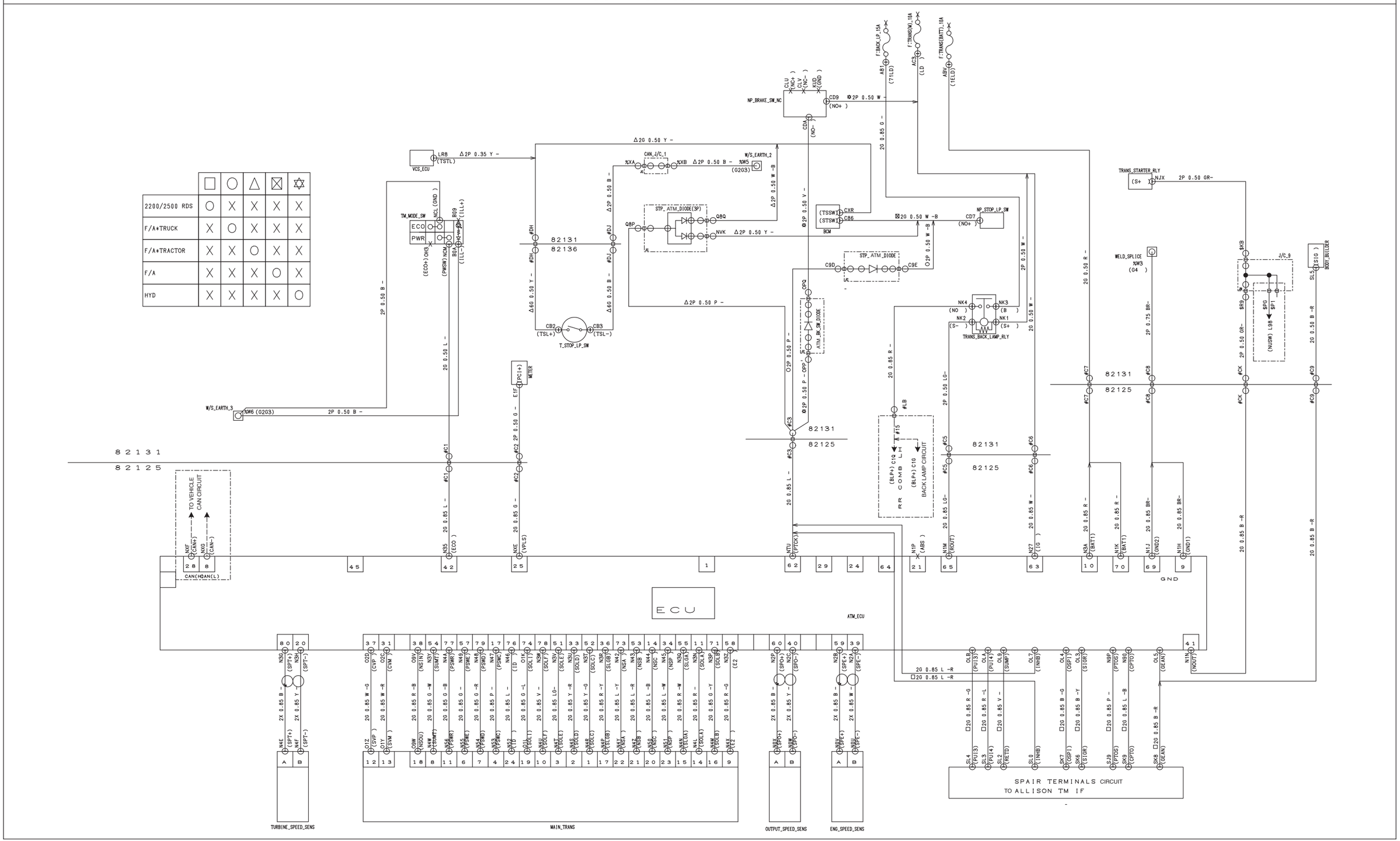

Hyd—Max

# 40. CMS, ACC & LDW CIRCUIT

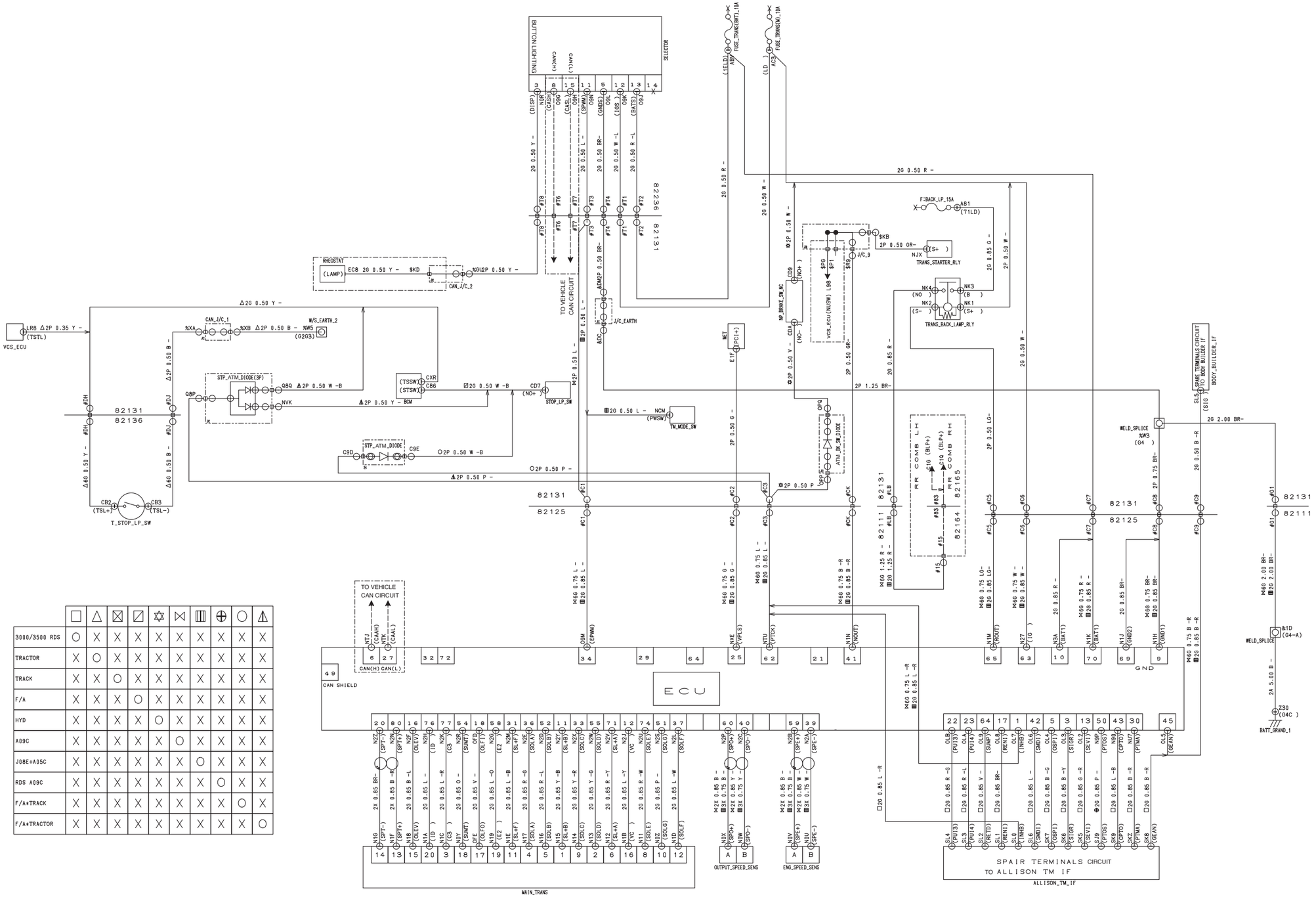



| | ⋈ | ▥ | ▽ | ✡ |
|---|---|---|---|---|
| A09C | ○ | × | × | × |
| J08C+A05C | × | ○ | × | × |
| 21MY | × | × | ○ | × |
| 22MY | × | × | × | ○ |

# 41. ALLISON 2200/2500 TRANS BASIC CIRCUIT

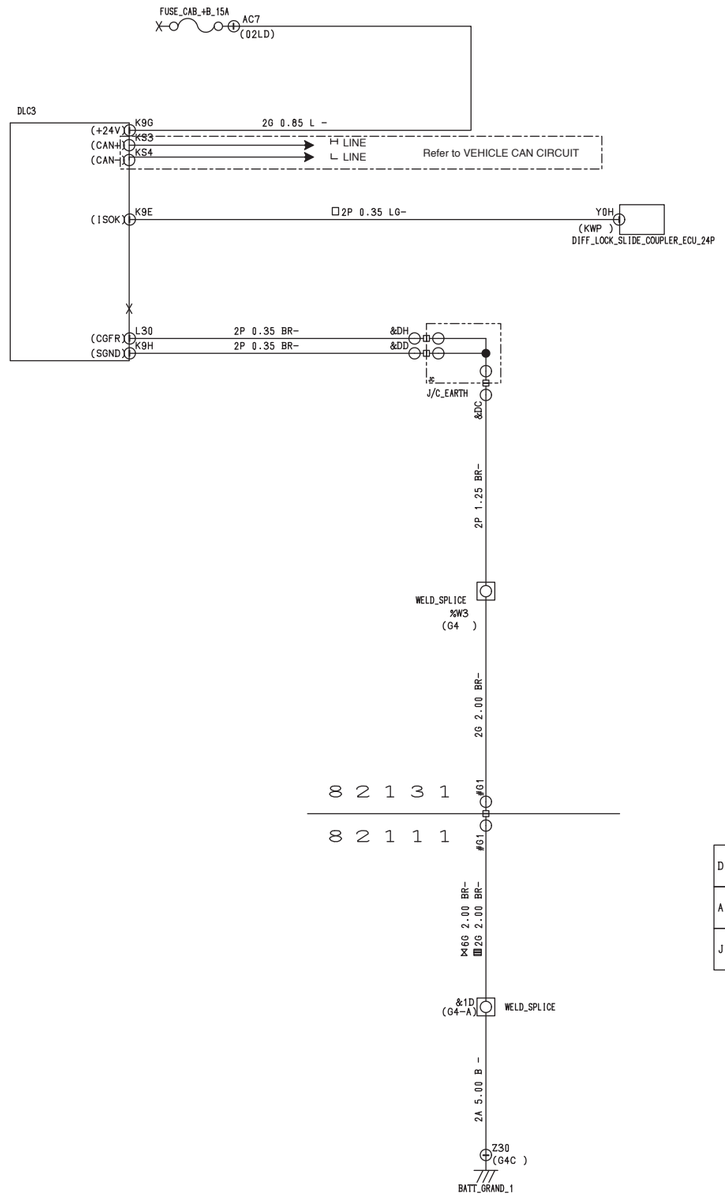


# 42. ALLISON 3000RDS TRANS BASIC CIRCUIT



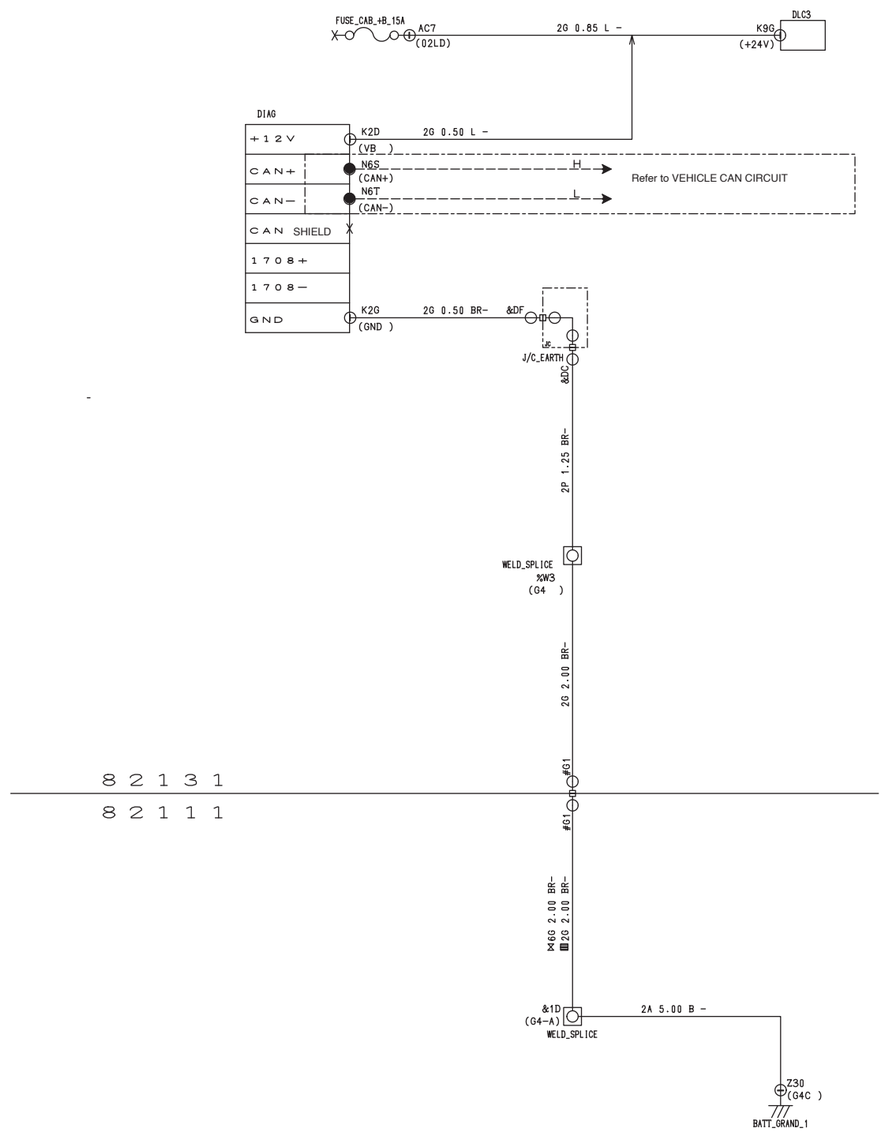

| | □ | △ | ⊠ | ◪ | ✡ | ⋈ | ▥ | ⊕ | ○ | ◭ |
|---|---|---|---|---|---|---|---|---|---|---|
| 3000/3500 RDS | ○ | X | X | X | X | X | X | X | X | X |
| TRACTOR | X | ○ | X | X | X | X | X | X | X | X |
| TRACK | X | X | ○ | X | X | X | X | X | X | X |
| F/A | X | X | X | ○ | X | X | X | X | X | X |
| HYD | X | X | X | X | ○ | X | X | X | X | X |
| A09C | X | X | X | X | X | ○ | X | X | X | X |
| J08E+A05C | X | X | X | X | X | X | ○ | X | X | X |
| RDS A09C | X | X | X | X | X | X | X | ○ | X | X |
| F/A*TRACK | X | X | X | X | X | X | X | X | ○ | X |
| F/A*TRACTOR | X | X | X | X | X | X | X | X | X | ○ |

# 43. DIAGNOSIS CIRCUIT




| | □ | ⋈ | ▥ |
|---|---|---|---|
| DIFF_LOCK | ○ | × | × |
| A09C | × | ○ | × |
| J08E+A05C | × | × | ○ |

# 44. DIAG' CONNECTOR CIRCUIT

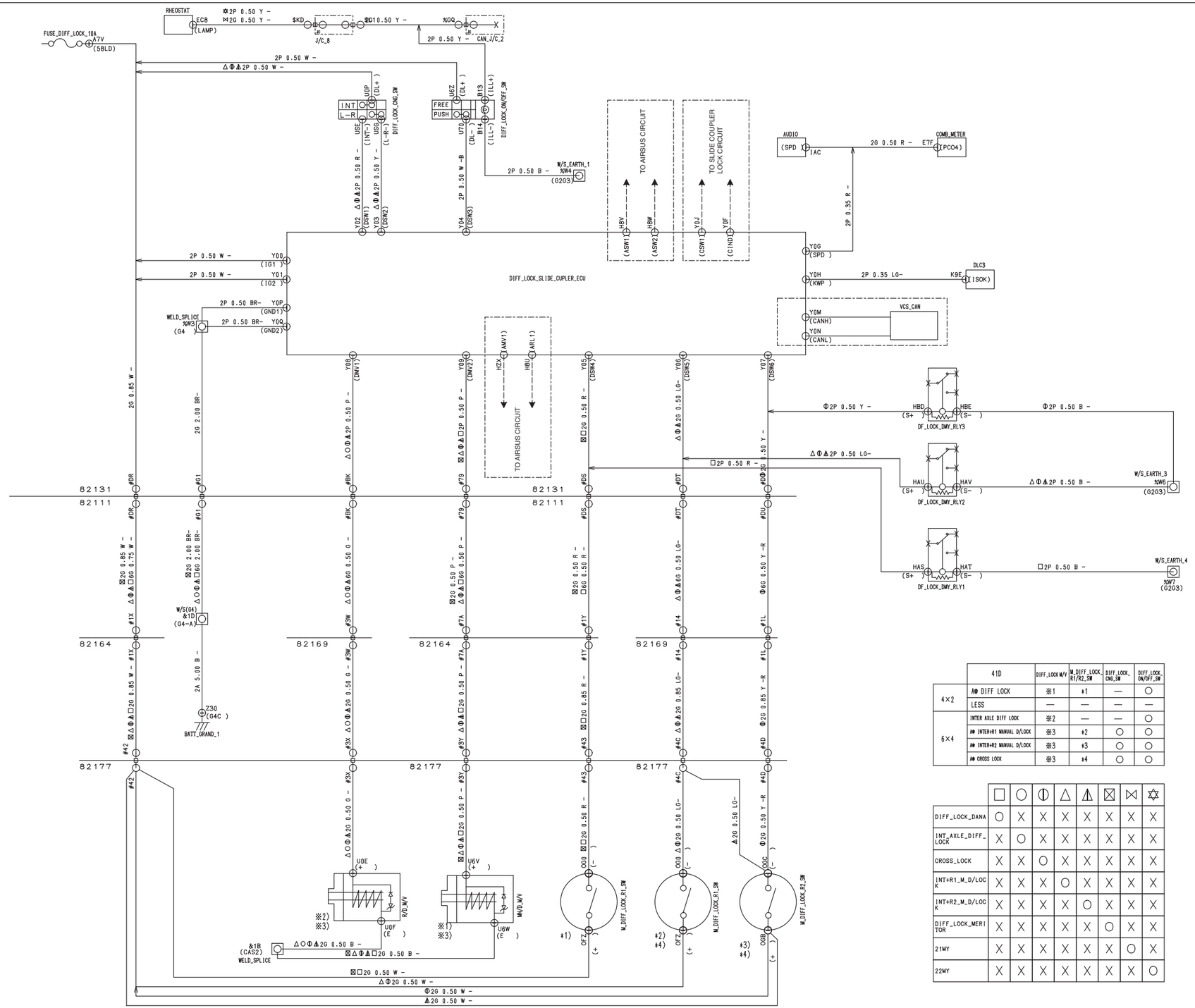



8 2 1 3 1

8 2 1 1 1

| | ⋈ | ▥ |
|---|---|---|
| A09C | ○ | × |
| B6.7+A05C | × | ○ |

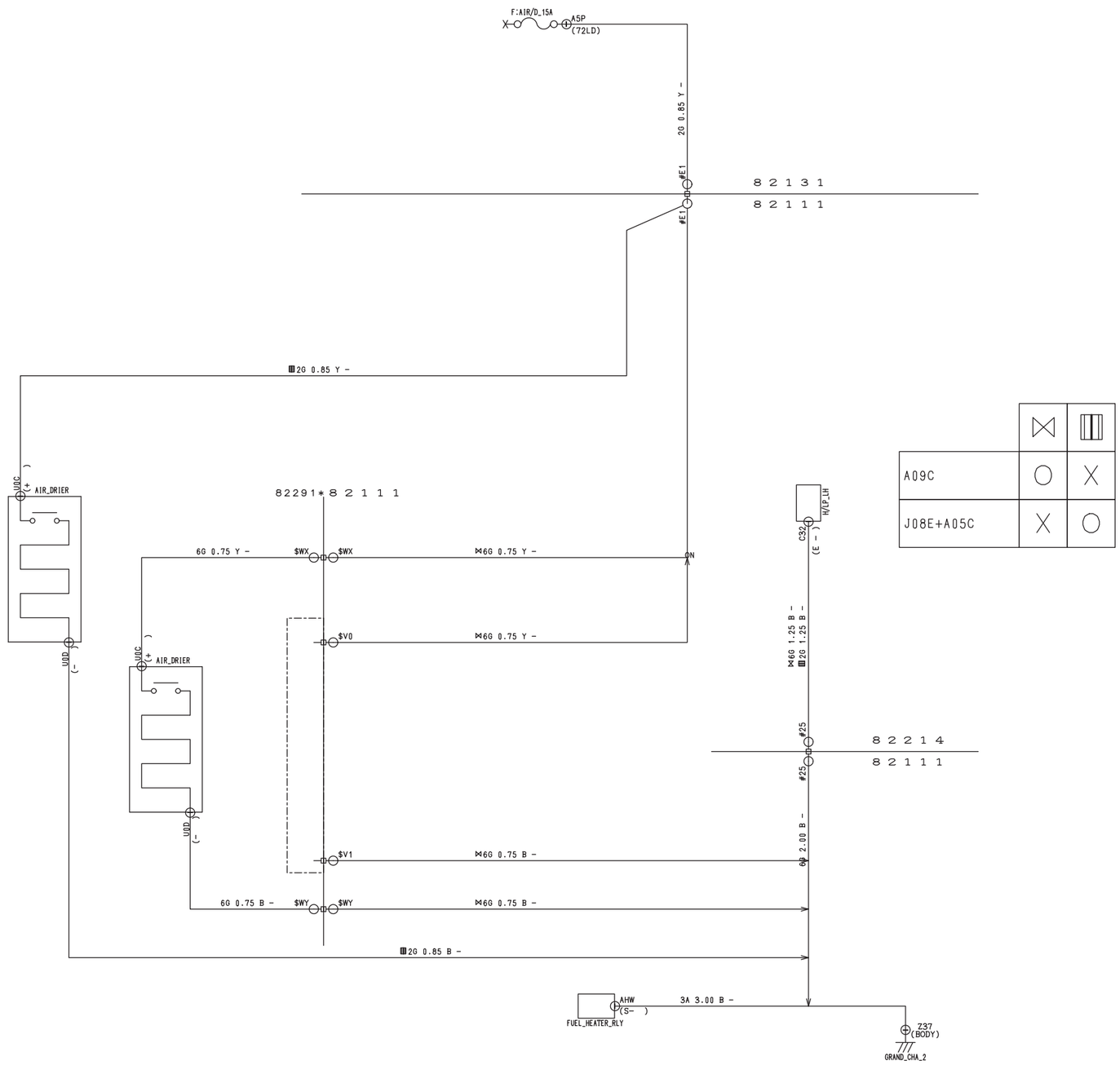
# 45. DIFF LOCK CONTROL CIRCUIT




| | 41D | DIFF_LOCK W/V | M_DIFF_LOCK_R1/R2_SW | DIFF_LOCK_CNG_SW | DIFF_LOCK_ON/OFF_SW |
|---|---|---|---|---|---|
| 4×2 | A⊕ DIFF LOCK | ※1 | ♦1 | — | ○ |
| | LESS | — | — | — | — |
| 6×4 | INTER AXLE DIFF LOCK | ※2 | — | — | ○ |
| | A⊕ INTER+R1 MANUAL D/LOCK | ※3 | ♦2 | ○ | ○ |
| | A⊕ INTER+R2 MANUAL D/LOCK | ※3 | ♦3 | ○ | ○ |
| | A⊕ CROSS LOCK | ※3 | ♦4 | ○ | ○ |

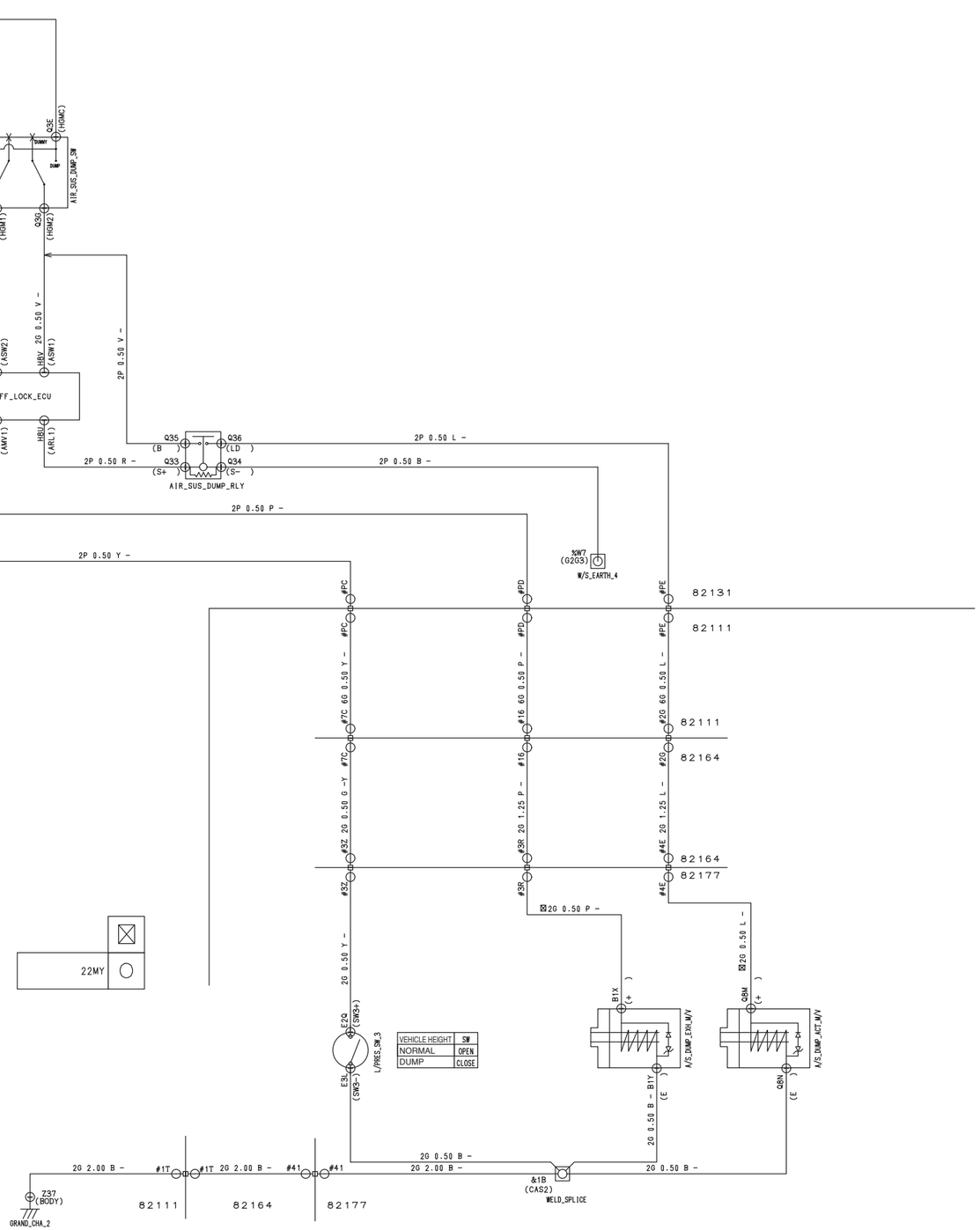
| | □ | ○ | ◐ | △ | ◭ | ⊠ | ⋈ | ✡ |
|---|---|---|---|---|---|---|---|---|
| DIFF_LOCK_DANA | ○ | X | X | X | X | X | X | X |
| INT_AXLE_DIFF_LOCK | X | ○ | X | X | X | X | X | X |
| CROSS_LOCK | X | X | ○ | X | X | X | X | X |
| INT+R1_M_D/LOCK | X | X | X | ○ | X | X | X | X |
| INT+R2_M_D/LOCK | X | X | X | X | ○ | X | X | X |
| DIFF_LOCK_MERITOR | X | X | X | X | X | ○ | X | X |
| 21MY | X | X | X | X | X | X | ○ | X |
| 22MY | X | X | X | X | X | X | X | ○ |

## 46. AIR DRIER CIRCUIT

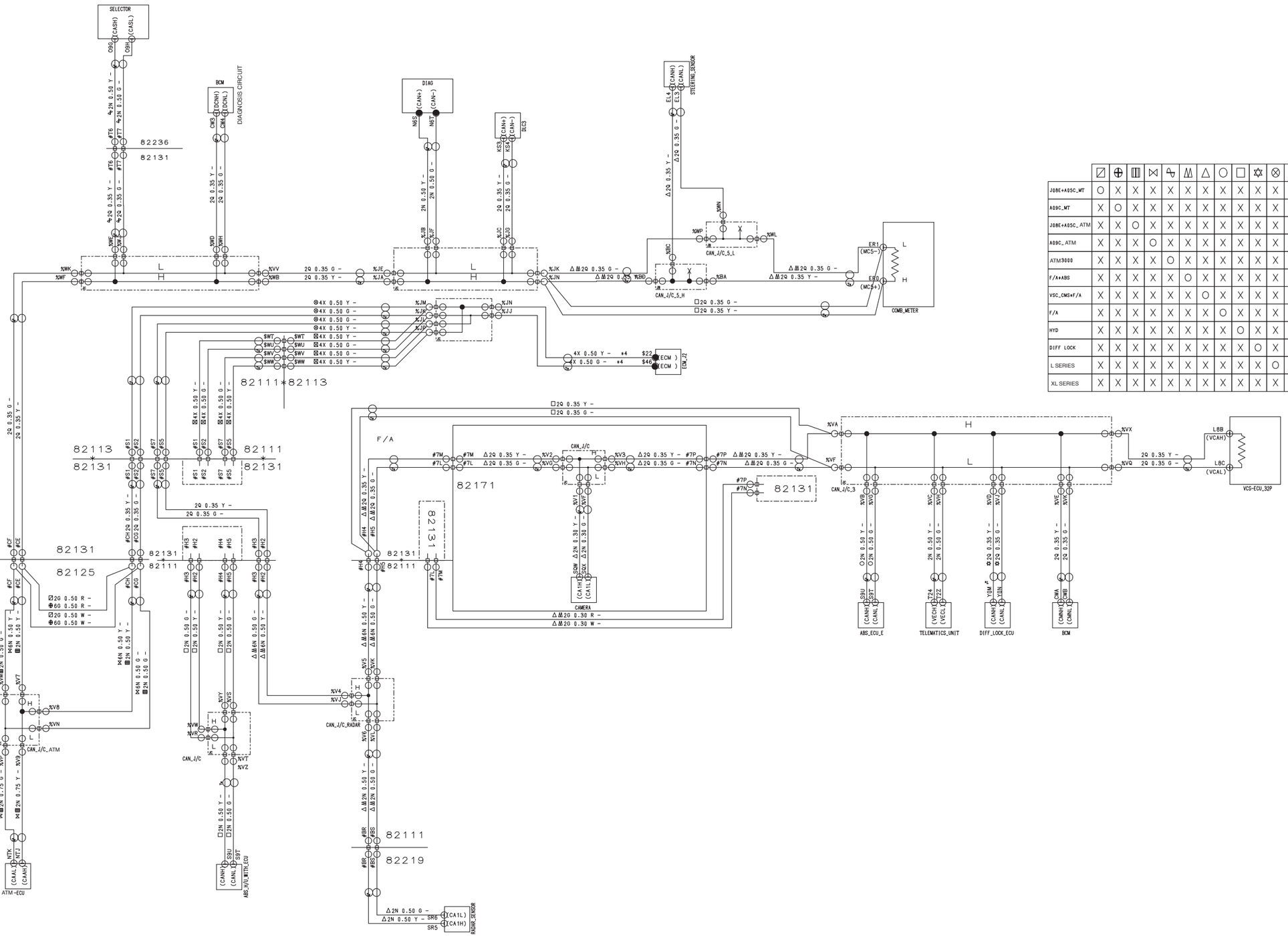



| | | |
|---|---|---|
| A09C | ○ | × |
| J08E+A05C | × | ○ |

# 47. AIR SUS DUMP CIRCUIT

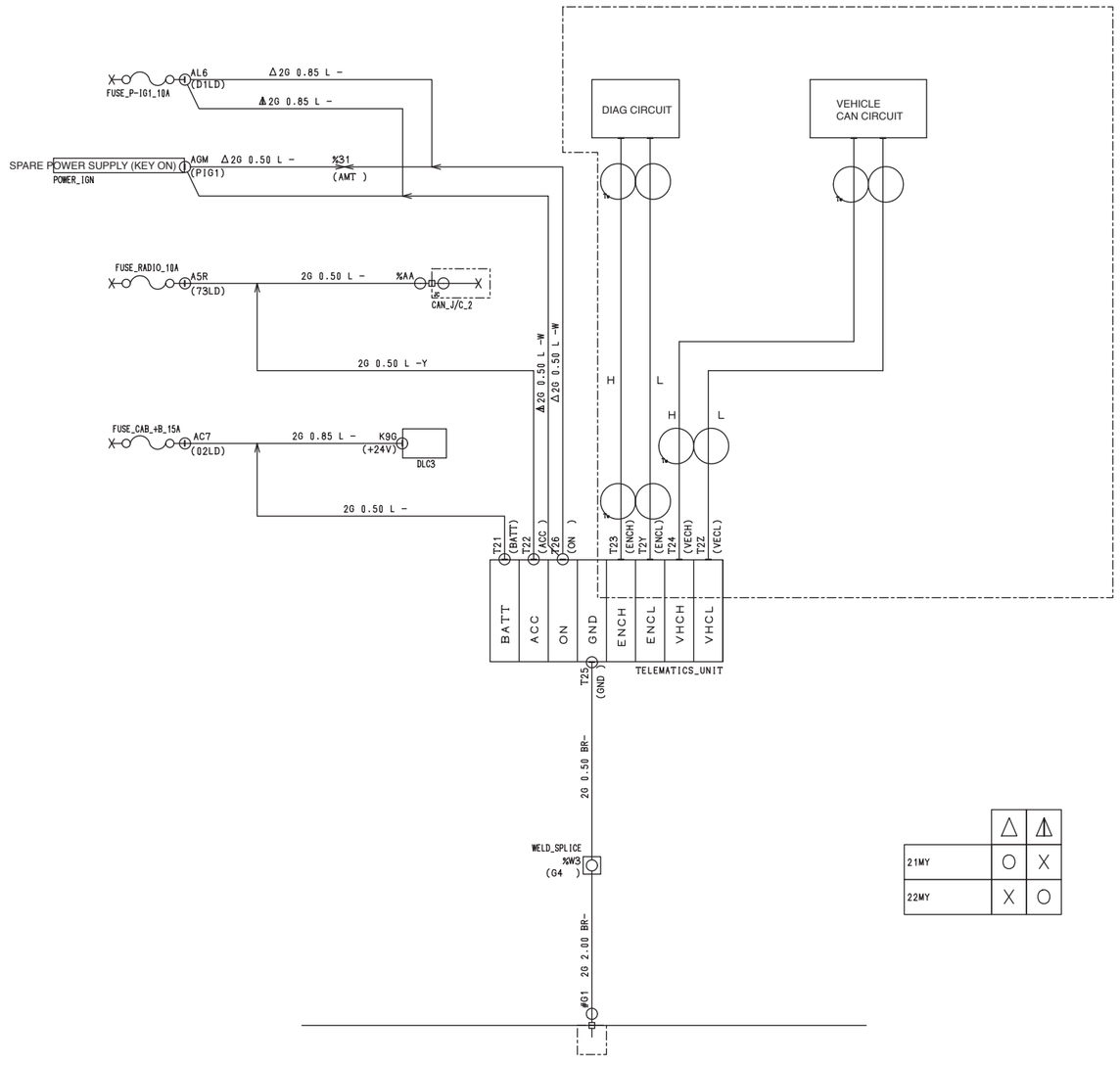


# 48. VEHICLE CAN CIRCUIT

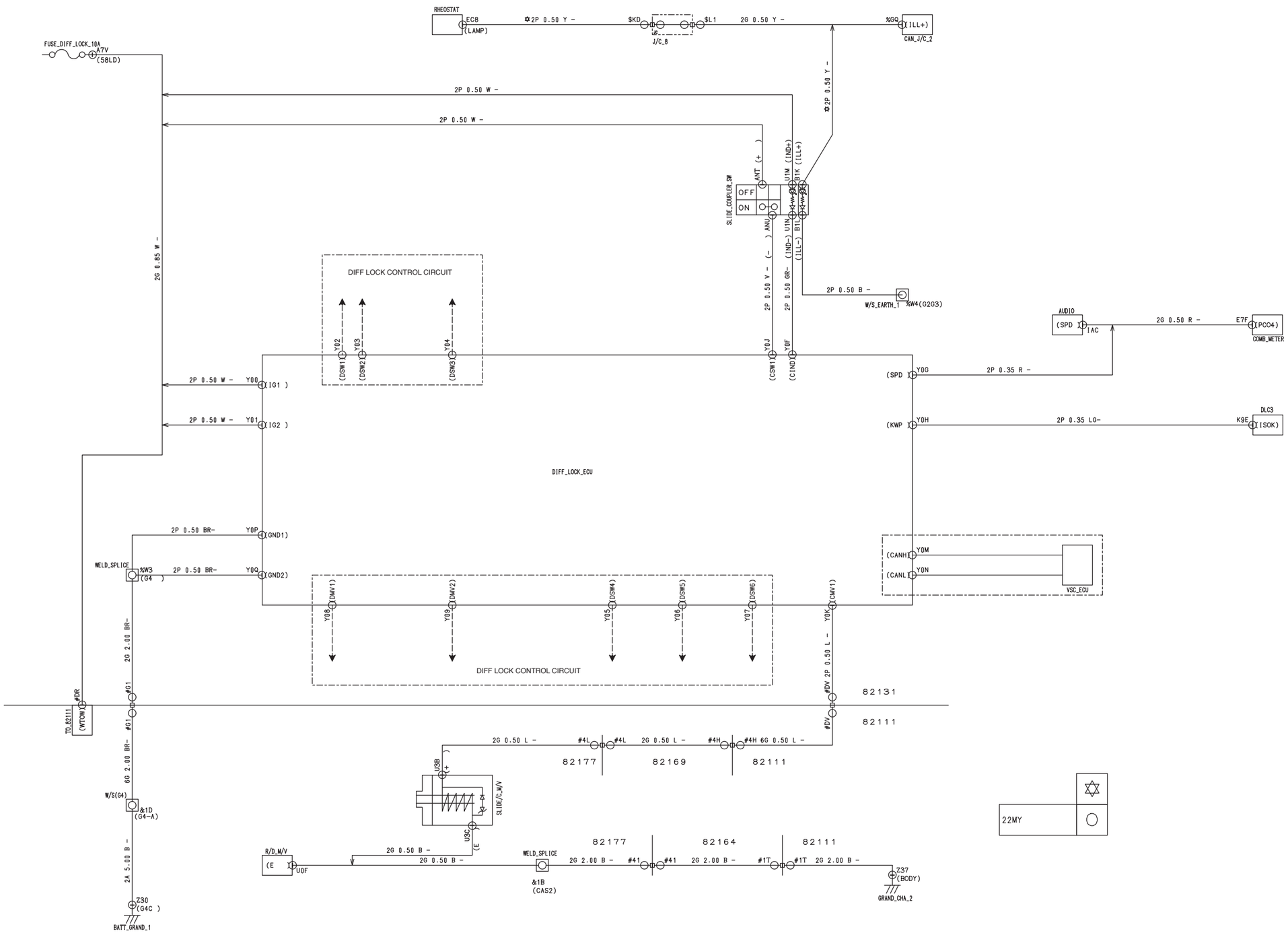



| | ⊠ | ⊕ | ▥ | ⋈ | ⚲ | ⋔ | △ | ○ | □ | ✡ | ⊗ | ⊠ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J08E+A05C_MT | ○ | X | X | X | X | X | X | X | X | X | X | X |
| A09C_MT | X | ○ | X | X | X | X | X | X | X | X | X | X |
| J08E+A05C_ATM | X | X | ○ | X | X | X | X | X | X | X | X | X |
| A09C_ATM | X | X | X | ○ | X | X | X | X | X | X | X | X |
| ATM3000 | X | X | X | X | ○ | X | X | X | X | X | X | X |
| F/A+ABS | X | X | X | X | X | ○ | X | X | X | X | X | X |
| VSC_CMS+F/A | X | X | X | X | X | X | ○ | X | X | X | X | X |
| F/A | X | X | X | X | X | X | X | ○ | X | X | X | X |
| HYD | X | X | X | X | X | X | X | X | ○ | X | X | X |
| DIFF LOCK | X | X | X | X | X | X | X | X | X | ○ | X | X |
| L SERIES | X | X | X | X | X | X | X | X | X | X | ○ | X |
| XL SERIES | X | X | X | X | X | X | X | X | X | X | X | ○ |

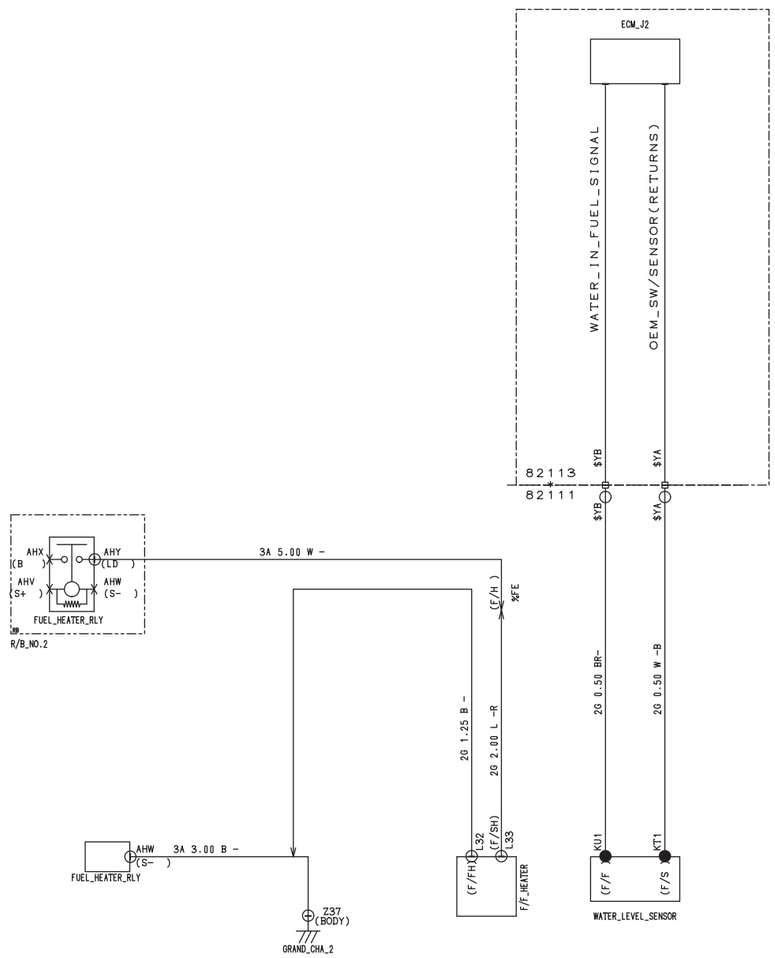
# 49. TELEMATICS CIRCUIT



# 50. SLIDE COUPLER LOCK CIRCUIT



## 51. FUEL FILTER SYSTEM CIRCUIT



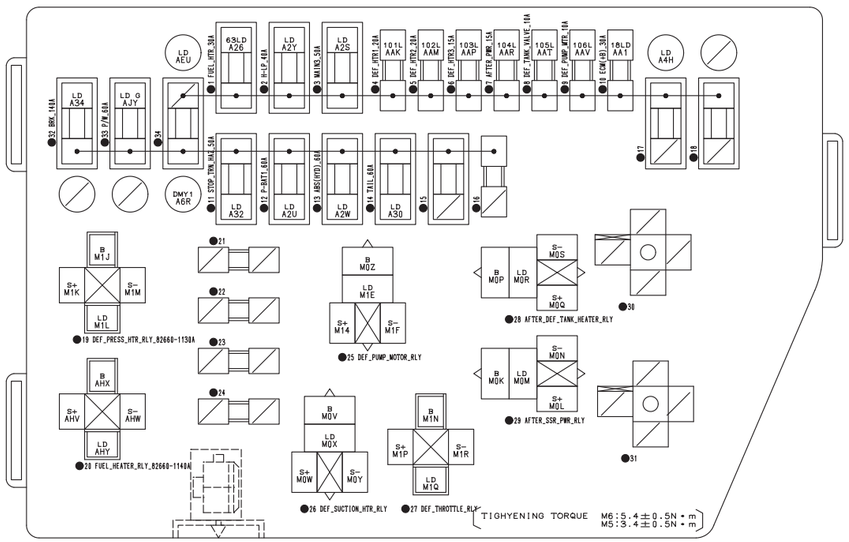
# 4. CONNECTORS

The Table of Connector No.

| CONNECTOR No. |
|---|
| 82111 |
| 82113 |
| 82121 |
| 82122 |
| 82123 |
| 82124 |
| 82125 |
| 82126 |
| 82127 |
| 82128 |
| 82130 |
| 82131 |
| 82136 |
| 82151 |
| 82152 |
| 82153 |
| 82161 |
| 82164 |
| 82165 |
| 82169 |
| 82171 |
| 82177 |
| 82213 |
| 82214 |
| 82219 |
| 82235 |
| 82236 |
| 82284 |
| 82286 |
| 82288 |
| 82291 |
| 82412 |
| 82422 |
| 82627 |
| 84523 |

[NOTE] 1) There are all the specifications included options.
2) When you use these connectors, please understand the vehicle specifications.

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| | R/B_NO.2 | B | | L SERIES |

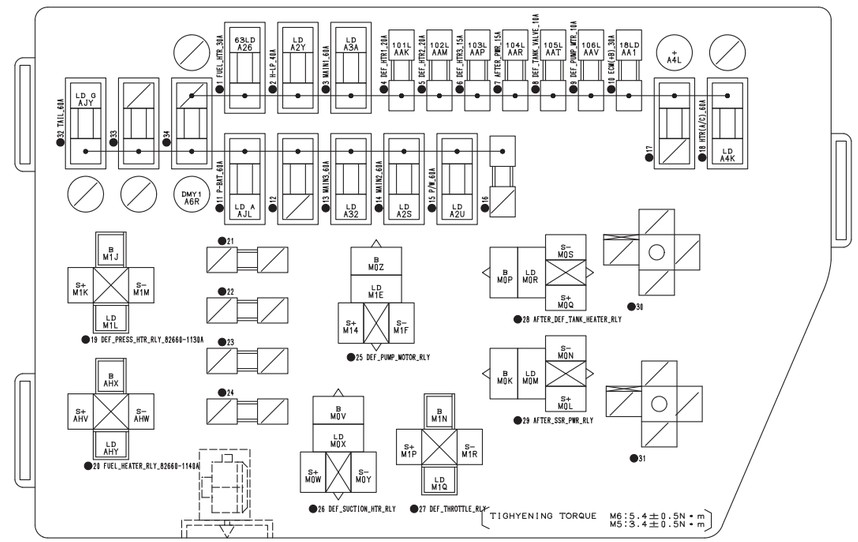



*82620-1590A

1

FL(A1)30A:SZ980-58056 (A1)40A:SZ980-58060 (A1)50A:SZ980-58055 (A1)60A:SZ980-58061
(B1)40A:SZ980-58062 (B1)60A:SZ980-58063 (B1)80A:90982-08253 (B1)100A:90982-08273
(B1)140A:SZ980-58064
FUSE 10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058
(BOX:82663-E0040 PROTECTOR:82817-1050A)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| | R/B_NO.2 | B | | XL SERIES |

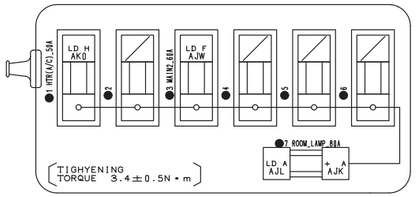



*82620-1590A

1

FL(A1)30A:SZ980-58056 (A1)40A:SZ980-58060 (A1)50A:SZ980-58055 (A1)60A:SZ980-58061
(B1)40A:SZ980-58062 (B1)60A:SZ980-58063 (B1)80A:90982-08253 (B1)100A:90982-08273
(B1)140A:SZ980-58064
FUSE 10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058
(BOX:82955-E0040 PROTECTOR:82817-1050A)

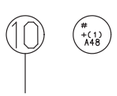
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | FL_BLOCK_A | B | | L SERIES |




*82620-E0120

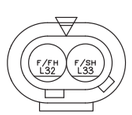
30A:SZ980-58021 40A:SZ980-58028 50A:SZ980-58022 60A:SZ980-58023A
80A:SZ980-58025

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | BATTERY | | | |



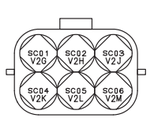

99142-15100

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | F/F_HEATER_SENSOR | DG | | |




82560-3830A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 9 | OPT_CONN_CHA | B | | |

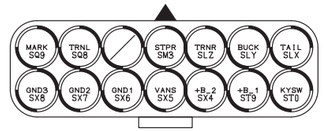



S8281-E0D80

CONNECT S8281-E0D40 COLOR:B
TO 9

ATTACH RR HOLDER(S8284-E0310)

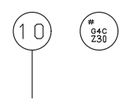
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 10 | LIGHTING_IF | B | | |




S8281-E0M70

CONNECT S8281-E0M80 COLOR:B
TO 10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 30 | BATT_GRAND | | | |

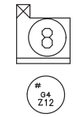



98061-0050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 31 | GRAND_CHA | | | |

98061-0050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 33 | GRAND_CHA_1 | | | XL SERIES |

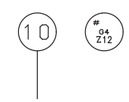



82583-1810A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 34 | GRAND_CHA_2 | | | XL SERIES |

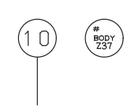
82583-1820A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 33 | GRAND_CHA_1 | | | L SERIES |




98061-0050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 34 | GRAND_CHA_2 | | | L SERIES |

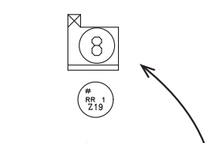



98061-0050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 35 | W/S_&1D | | | |

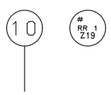
SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 36 | GRAND_CHA_3 | | | XL SERIES |
| 37 | GRAND_CHA_4 | | | XL SERIES |
| 36 | GRAND_CHA_3 | | | L SERIES |
| 37 | GRAND_CHA_4 | | | L SERIES |
| 38 | W/S_&1E | | | |
| 40 | FUEL_SENDER_LH | DG | | |
| 50 | MOTOR_RLY | B | | HYDRAULIC BRAKE |
| 51 | FLOW_SW | GR | | HYDRAULIC BRAKE |
| 52 | DIFFERENT_SW | B | | HYDRAULIC BRAKE |
| 53 | TO_MOTOR_PUMP | B | | HYDRAULIC BRAKE |
| 60 | AIR_HORN_M/V | B | | |
| 61 | HORN_HI(−) | B | | |
| 62 | HORN_HI(+) | B | | |
| 63 | HORN_LO(−) | B | | |
| 64 | HORN_LO(+) | B | | |
| 80 | AMB_TEMP_SSR | GR | | |
| 90 | ABS_SENSOR_FR_LH | B | | |
| 91 | ABS_SENSOR_FR_RH | B | | |

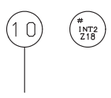



82583-1810A

82583-1820A

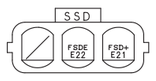



98061-0050A

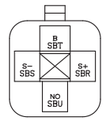



98061-0050A

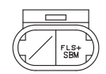
SPLCE-W0001



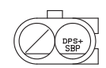

82560-4350A




82828-1160A

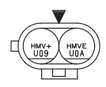



82828-1170A

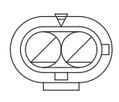



82560-2530A

82580-6730B




82580-9250A



82580-7170B_CAP

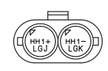
COLOR(B)

82580-7590A

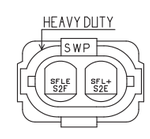
82580-7590A

82580-7590A

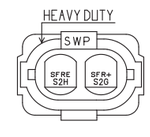
82580-7590A




S8281-E0850

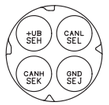



82560-4720A




82560-4720A

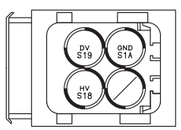
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 92 | ESC_ECU_E8 | B | | |




82560-1340A

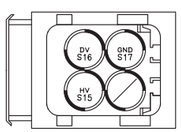
S8284-E0550

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 93 | FR_AXLE_PACKAGE_LH | B | | XL SERIES, L SERIES 21MY*ABS_ESC, L SERIES 22MY*(ABS\|ABS_ESC) |



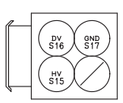

S8281-E0F50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 94 | FR_AXLE_PACKAGE_RH | B | | L SERIES 21MY*ABS_ESC, L SERIES 22MY*(ABS\|ABS_ESC) |



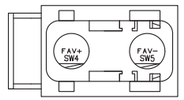

S8281-E0F50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 94 | FR_AXLE_PACKAGE_RH | B | | XL SERIES |

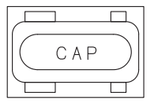



S8281-E0F40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 95 | FRONT_AXLE_PACKAGE_ATC | B | | |

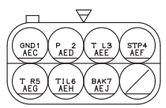



82824-E1640

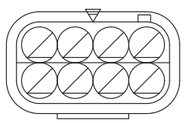



S8286-E0010

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 97 | TRAILER_SOCKET | B | | TRAILER |

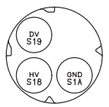



82580-6040B



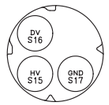
82580-6030B_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 98 | MODULATOR_FR_LH | B | | L SERIES _21MY*ABS |




S8281-E0080

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 99 | MODULATOR_FR_RH | B | | L SERIES _21MY*ABS |

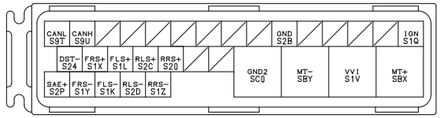



S8281-E0G80

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 121 | AIR_DRIER(F/A) | B | | L SERIES |

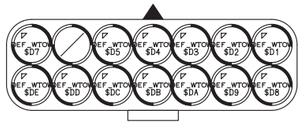
82560-4660A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 156 | ABS_H/U_WITH_ECU | B | | |




82828-1560A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 157 | EX5B | B | | XL SERIES |



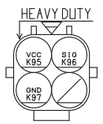

S8281-E0M70

CUMMINS:10763414

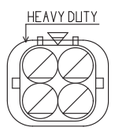
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 158 | COL_LEVEL_SENSOR | B | | XL SERIES |
| 159 | REMOTE_ACCEL_PEDAL | B | | XL SERIES |
| 160 | A/C_COMPRESSOR | B | | XL SERIES |
| 400 | TO_82113_1 | | | L SERIES |

S8281-E0T00

DELPHI:12110293



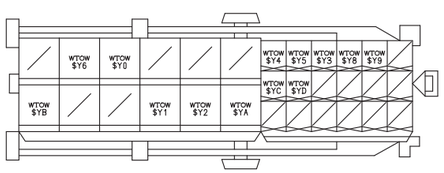

82560-1260A




82560-1250A_CAP

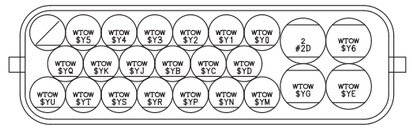
COLOR(B)

82560-1230A

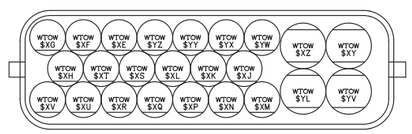


82824-E1260

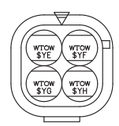
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 400 | TO_82113_1 | B | | XL SERIES |
| 401 | TO_82113_2 | B | | XL SERIES |
| 401 | TO_82113_2 | GR | | L SERIES |
| 402 | TO_82128 | B | | L SERIES |



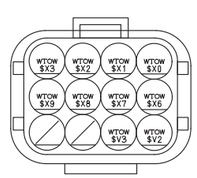
82560-1320A



82560-1320A

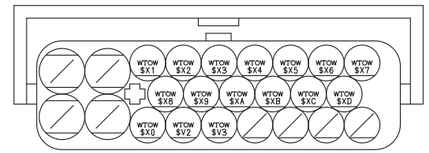


82580-7750B

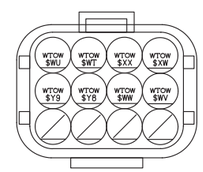


S8281-E0R00

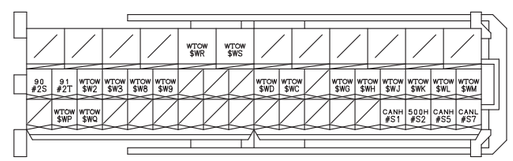
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 402 | TO_82128 | B | | XL SERIES |
| 403 | TO_82113_3 | B | | XL SERIES |
| 404 | TO_82131_6 | | | XL SERIES |



82560-1330A

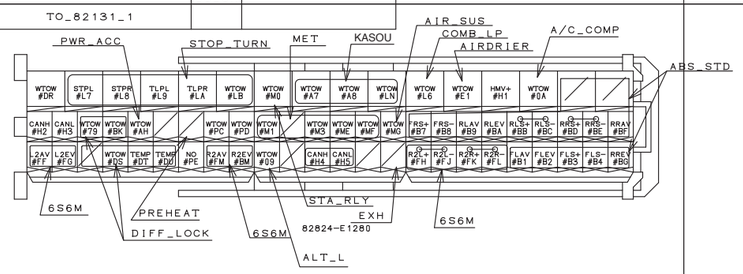


S8281-E0R00

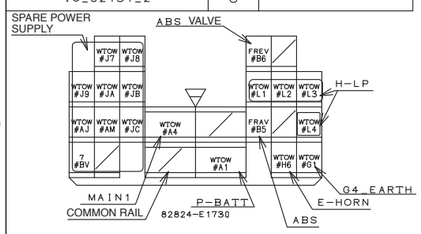


82824-E0W50

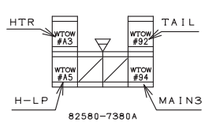
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 405 | TO_82131_1 | | | |



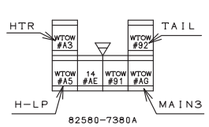

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 406 | TO_82131_2 | G | | |



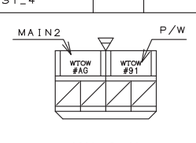

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 407 | TO_82131_3 | | | XL SERIES |



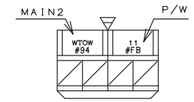

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 407 | TO_82131_3 | | | L SERIES |



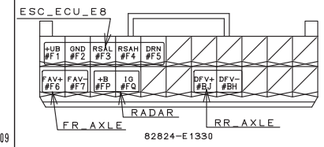

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 408 | TO_82131_4 | | | XL SERIES |



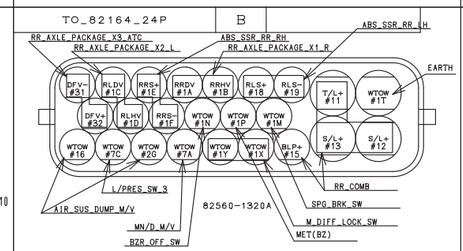

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 408 | TO_82131_4 | | | L SERIES |



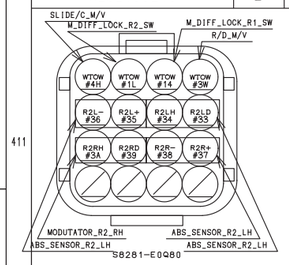

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 409 | TO_82131_5 | | | OPT(CMS) |

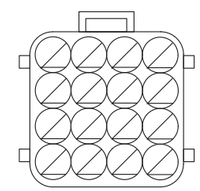



| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 410 | TO_82164_24P | B | | |



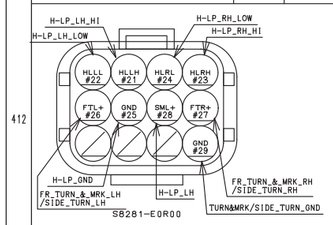

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 411 | TO_82169_16P | B | | |



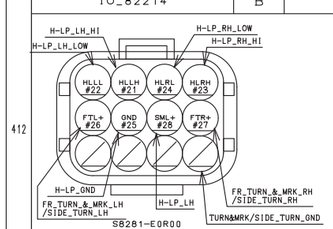




(XL SERIES)

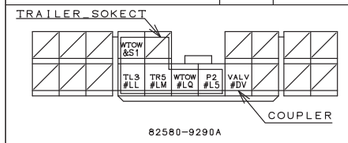
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 412 | TO_82214 | B | | L SERIES |




| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 412 | TO_82214 | B | | XL SERIES |

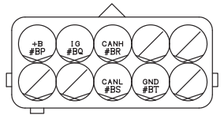


| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 415 | TO_82131_6 | | | OPT (TRAILER) |
| 416 | TO_84523 | B | | |
| 417 | TO_82219 | B | | |

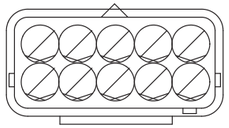



82580-9290A

82824-E0Y90

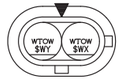



82824-E0B20



*82824-E0B10_CAP

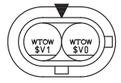
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 418 | TO_82291_FR | B | | XL SERIES |
| 419 | TO_82291_RR | B | | XL SERIES |
| 431 | TO_82130_A/C_COMP | GR | | L SERIES |
| 431 | TO_82130 | B | | XL SERIES |




82580-9240A

82580-9250A_CAP

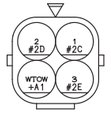
COLOR(B)



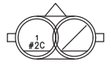

82580-9240A

82580-9250A_CAP

COLOR(B)




82580-9470A




82560-1230A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 440 | DEF_LINE_HEATING_DIODE | B | | |
| 441 | DEF_PUMP_MOTOR_DIODE | B | | |
| 442 | AFTER_SSR_PWR_DIODE | B | | |

82560-3800A

85902-1200A

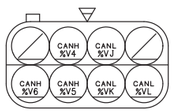
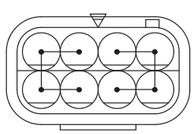
82560-3800A

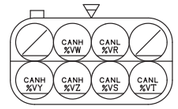
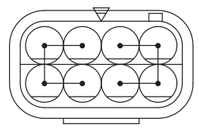
85902-1200A

82560-3800A

85902-1200A

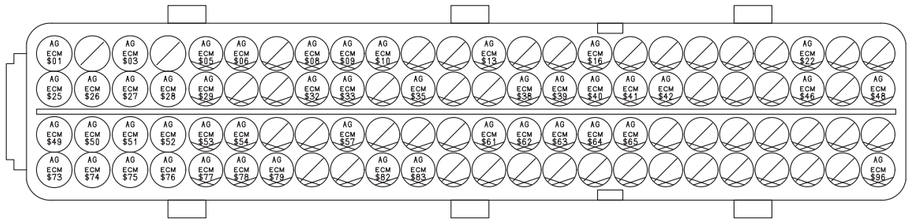
82111(8/8)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 443 | DEF_TANK_HTR_DIODE | B | | |
| | 82560-3800A | | | |
| | 85902-1200A | | | |
| 450 | WATAR_INFUEL_SSR | B | | |
| | S8281-E0T20 Tyco:DT06-2S-FP02 | | | |
| 500 | CAN_J/C_RADAR | GR | | L SERIES |
| |   82580-6040B | | | |
| |  82550-1230A | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 501 | CAN_J/C_HYD | GR | | HYDRAULIC BRAKE |
| |   82580-6040B | | | |
| |  82550-1230A | | | |
| 601 | W/S_UREA_HTR | | | |
| | SPLCE-W0001 | | | |
| 602 | W/S_UREA_HTR | | | |
| | SPLCE-W0001 | | | |
| 603 | W/S_UREA_HTR | | | |
| | SPLCE-W0001 | | | |
| 604 | W/S | | | |
| | SPLCE-W0001 | | | |
| 605 | W/S | | | |
| | SPLCE-W0001 | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 606 | W/S | | | XL SERIES |
| | SPLCE-W0001 | | | |
| 607 | W/S | | | XL SERIES |
| | SPLCE-W0001 | | | |
| 608 | W/S | | | XL SERIES |
| | SPLCE-W0001 | | | |

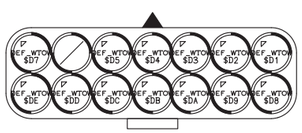
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | ECM_J2 | B | | |




*_S8281-E0T50

CUMMINS:13964572

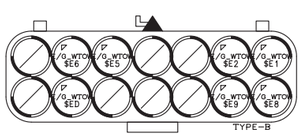
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | EX5B | B | | |




S8281-E0M70

CUMMINS:10763414

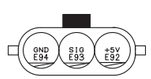
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | CC1D | GR | | |




S8281-E0T10

CUMMINS:13533441

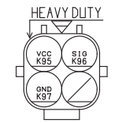
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | COL_LEVEL_SENSOR | B | | L SERIES |



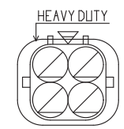

S8281-E0T00

DELPHI:12110293

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | REMOTE_ACCEL_PEDAL | B | | L SERIES |



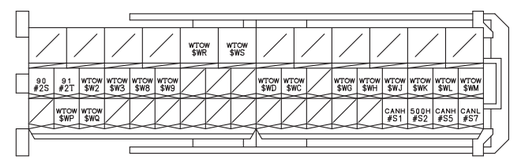

82560-1260A




82560-1250A_CAP

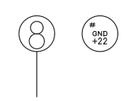
COLOR(B)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 36 | TO_82131_48P | | | L SERIES |



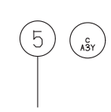

82824-E0W50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 50 | GRAND_ENG_BLOCK | | | |



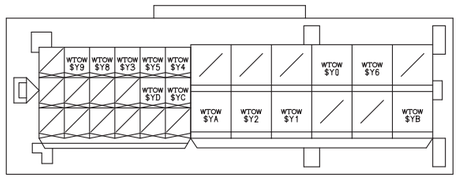

99141-12008

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 51 | STA_C | | | XL SERIES |



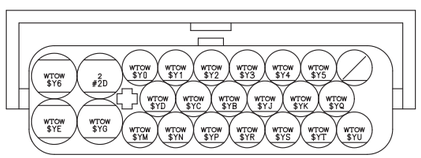

99141-12005

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 400 | TO_82111_1 | | | L SERIES |



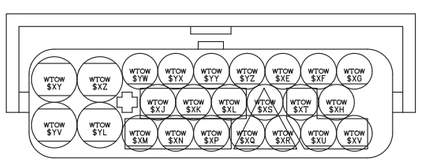

82824-E1250

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 400 | TO_82111_1 | B | | XL SERIES |



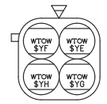

82560-1330A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 401 | TO_82111_2 | B | | XL SERIES |



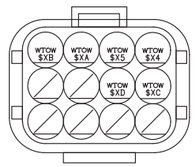

82560-1330A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 401 | TO_82111_2 | GR | | L SERIES |



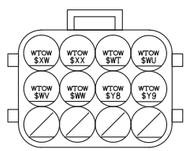

82580-7760B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 402 | TO_82128 | B | | L SERIES |



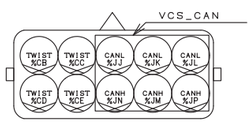

S8281-E0R00

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 403 | TO_82111_3 | B | | XL SERIES |

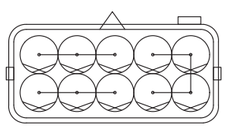



S8281-E0R10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 500 | J/C_1 | B | | |



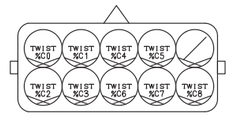

S8281-E0E80



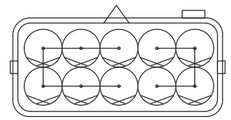
S8281-E0E90

COLOR(B)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 501 | J/C_2 | B | | |




S8281-E0E80



S8281-E0F00

COLOR(GR)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 601 | W/S | | | L SERIES |

SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 602 | W/S | | | L SERIES |

SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 603 | W/S | | | L SERIES |

SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 604 | W/S | | | L SERIES |

SPLCE-W0001

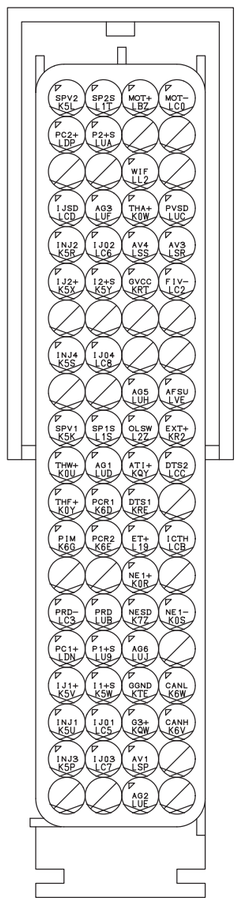
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 605 | W/S | | | |

SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 606 | W/S | | | |

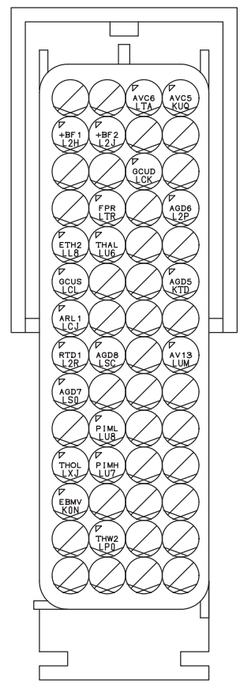
SPLCE-W0001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | COMMON RAIL-ECU_2 | L | | L SERIES |



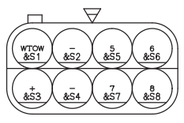

S8281-E0420

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | COMMON RAIL-ECU_3 | L | | L SERIES |

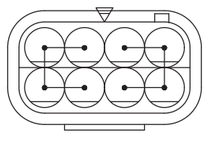



S8281-E0G30

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | ENG_CAN_J/C(SCR) | DG | | L SERIES |

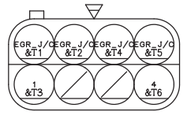



82580-6040B

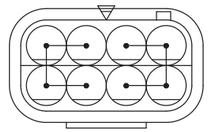


82550-1230A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | ENG_CAN_J/C(EGR) | DG | | L SERIES |

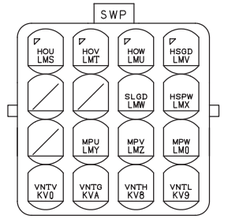



82580-6040B



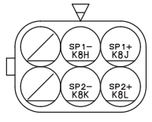
82550-1230A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 6 | VNT_CONTROL | B | | L SERIES |



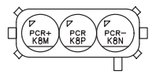

82560-3560A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 7 | TO_PCV_SUB | B | | L SERIES |



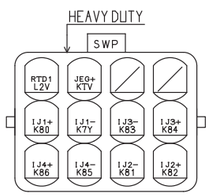

82580-8490B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 11 | PC_SSR | B | | L SERIES |



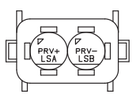

82824-E1090

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 12 | HEAD | GR | | L SERIES |



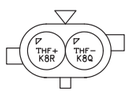

82560-3480A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 17 | PRV | GR | | L SERIES |



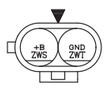

82824-E0Z20

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 18 | F/TEMP_SSR | G | | L SERIES |



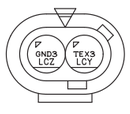

82580-7120A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 19 | FCV | B | | L SERIES |



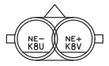

82580-9250A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 20 | EXH_GAS_TEMP_SSR1 | DG | | L SERIES |



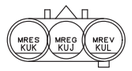

82560-3980A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 21 | NE_SSR | B | | L SERIES |



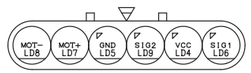

82560-1230A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 22 | CYL_ANGL_SSR | B | | L SERIES |



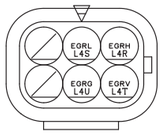

82580-9960A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 23 | DIESEL_THROTTLE | B | | L SERIES |



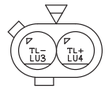

82560-3300A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 24 | TO_EGR_CONTROL | GR | | L SERIES |



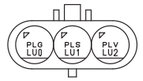

82580-8480B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 26 | LPT_TEMP_SSR | DG | | L SERIES |




82580-7800B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 27 | LPT_PRESSURE_SSR | B | | L SERIES |

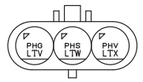



82580-8980A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 28 | W/TEMP_SENDER_1 | B | | L SERIES |

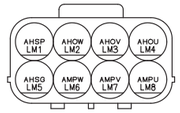
82580-8760A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 29 | HPT_PRESSURE_SSR | B | | L SERIES |




82580-8980A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 32 | VNT_ACT | BR | | L SERIES |

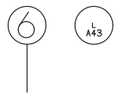



82828-1430A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 33 | FUEL_INJ | BR | | L SERIES |

S8281-E0870

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 34 | ALTERNATOR | | | L SERIES |

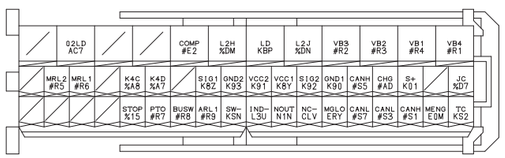



98060-6010A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 35 | O/PRES_SW | B | | L SERIES |

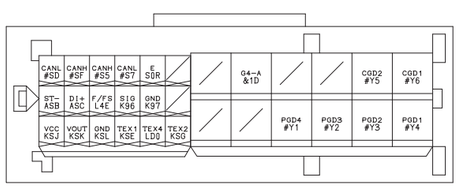
82580-6830B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 36 | TO_CAB_48P | | | L SERIES |



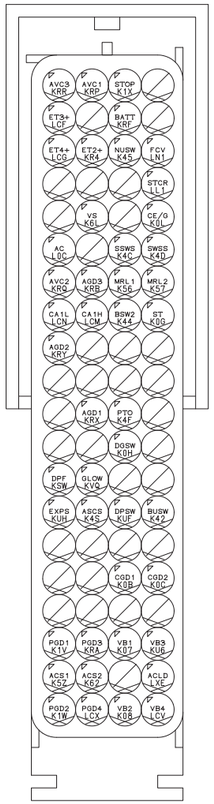

82824-E0W50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 37 | TO_CHASSIS_30P | | | L SERIES |




82824-E1250

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 39 | ECU_V | GR | | L SERIES |




S8281-E0G20

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 42 | CAN_TMN6 | L | | L SERIES |

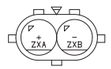
82560-1720A

89613-1010A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 44 | A/C_COMP | GR | | L SERIES |

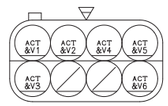
82580-8180B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 52 | OIL_TEMP_SSR | B | | L SERIES |

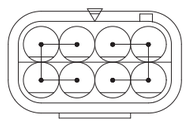



82560-1750A

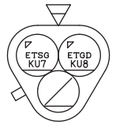
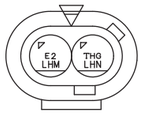
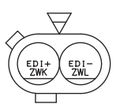
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 58 | ENG_CAN_J/C(DIAG) | DG | | L SERIES |

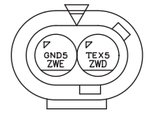



82580-6040B



82550-1230A

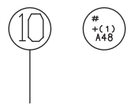
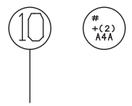
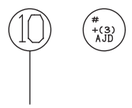
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 61 | W/TEMP_SENDER_2 | GR | | L SERIES |
| |   82580-8760A | | | |
| 64 | EGR_EXIT_TEMP_SSR | DG | | L SERIES |
| |   82560-3980A | | | |
| 65 | COOL_COMP_DIODE | B | | L SERIES |
| | 82560-3800A | | | |
| | 85902-1190A | | | |
| 66 | DUST_INDICATOR | DG | | L SERIES |
| |   82580-7800B | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 67 | EXH_GAS_TEMP_SSR1 | DG | | L SERIES |
| |   82560-3980A | | | |
| 71 | W/S | | | L SERIES |
| | SPLCE-W0001 | | | |

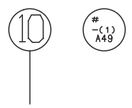
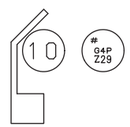
82122(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | STARTER1 | | | |
| | 12 — # B A3X | | | |
| | *82675-E0540 | | | |
| 2 | BATTERY | | | L SERIES |
| | 10 — # +(1) A48 | | | |
| | 82675-E0450 | | | |
| 2 | BATTERY | | | XL SERIES |
| | 10 — # +(1) A48 | | | |
| | *82583-1780A | | | |

82123(1/1)

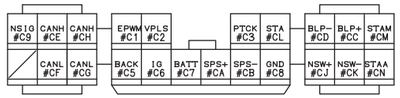
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | BATTERY1 | | | |
| |   *82583-1780A | | | |
| 2 | BATTERY2 | | | |
| |   *82583-1780A | | | |
| 2 | BATTERY3 | | | LOCAL |
| |   *82583-1780A | | | |

82124(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | BATTERY1 | | | |
| |   *82583-1780A | | | |
| 2 | BATTERY_GND | | | |
| |   82675-E0200 | | | |

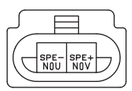
82125(1/2)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131_22P | | | |




82580-9990A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 6 | EG_SPEED_SENS_3(HS) | B | | ALLISON 3000HS |

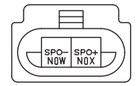



82828-1610A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 7 | EG_SPEED_SENS_3(RDS) | B | | ALLISON 3000/3500 RDS |

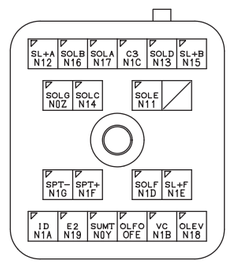
82828-1610A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 8 | OUTPUT_SPEED_SENS | B | | ALLISON 3000/3500 |



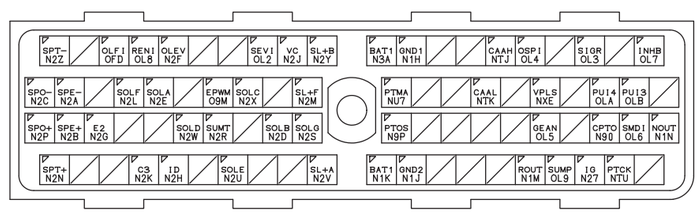

82828-1610A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 9 | MAIN_TRANS(ATM3000) | B | | ALLISON 3000/3500 |



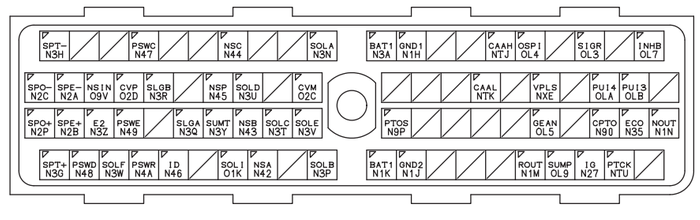

82828-1580A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 10 | ALLISON_ECU | B | | ALLISON 3000/3500 |




82828-1570A

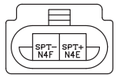
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 10 | ALLISON_ECU | B | | ALLISON 2200/2500 |




82828-1570A

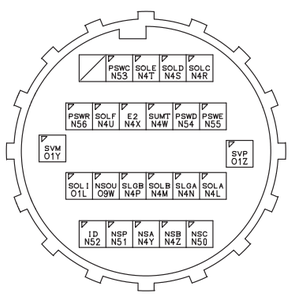
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 16 | ENG_SPEED_SENS | B | | ALLISON 2200/2500 |
| 17 | TB_SPEED_SENS | B | | ALLISON 2200/2500 |
| 18 | OP_SPEED_SENS | B | | ALLISON 2200/2500 |
| 19 | MAIN_TRANS(ATM2000) | B | | ALLISON 2200/2500 |

82828-1610A



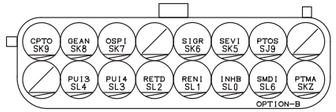

82828-1610A

82828-1610A



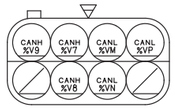

82828-1590A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 25 | ALLISON_TM_IF | GR | | ALLISON RDS |
| 30 | CAN_J/C_ATM | GR | | |

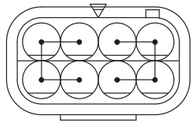



S8281-E0M20

CONNECT S8281-E0M30 COLOR:GR
TO 25

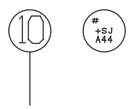
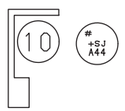
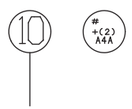



82580-6040B

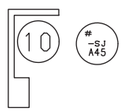
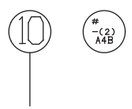


82550-1230A

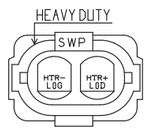
82126(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | JUMP_STUD_POS | | | XL SERIES |
| |   *82583-1780A | | | |
| 1 | JUMP_STUD_POS | | | L SERIES |
| |   82675-E0530 | | | |
| 2 | BATTERY2_(+) | | | |
| |   *82583-1780A | | | |

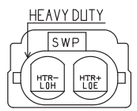
82127(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | JUMP_STUD_NEG | | | XL SERIES |
| | *82583-1780A | | | |
| 1 | JUMP_STUD_NEG | | | L SERIES |
| |   82675-E0530 | | | |
| 2 | BATTERY2_(-) | | | |
| |   *82583-1780A | | | |

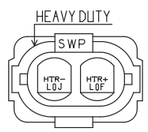
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 1 | UREA_HTR_PL | B | | |
| 2 | UREA_HTR_SL | B | | |
| 3 | UREA_HTR_RL | B | | |
| 4 | SUPPLY_MODULE | B | | |
| 5 | W/C_CONTROL_M/V | B | | |



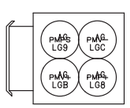
82560-4720A



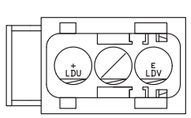
82560-4730A



82560-4720A

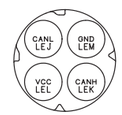


S8281-E0F40

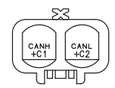


82824-E1620

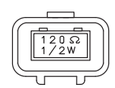
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 6 | UREA_SENSOR | B | | |
| 30 | CAN_TMN1 | B | | |
| 401 | TO_82111 | B | | L SERIES |
| 401 | TO_82111 | B | | XL SERIES |



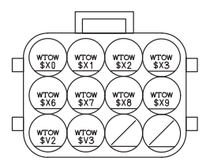
82560-1340A



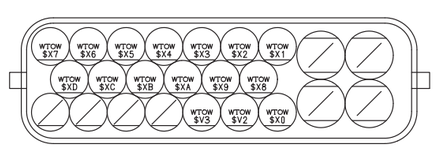
82560-2700A



89613-1020A

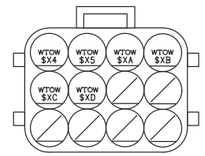


S8281-E0R10

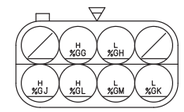


82560-1320A

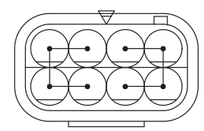
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 402 | TO_82113 | B | | L SERIES |
| 500 | J/C_LOCAL_CAN | GR | | |



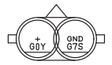
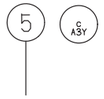
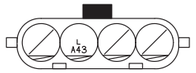
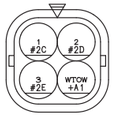
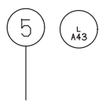
S8281-E0R10

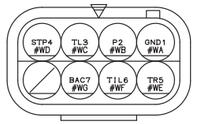
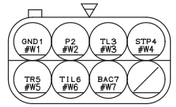
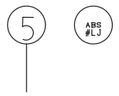


82580-6040B


82550-1230A

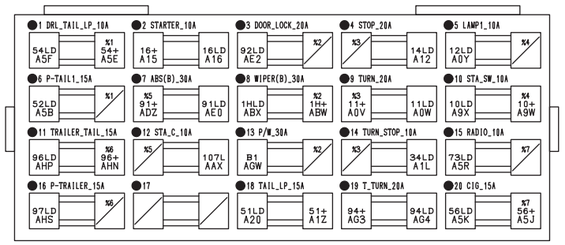
82130(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 1 | A/C_COMPRESSOR | B | | L SERIES |
| |   82560-1230A | | | |
| 2 | STA_C | | | L SERIES |
| |   99141-12005 | | | |
| 3 | ALT_L | B | | |
| |   S8281-E0S60 | | | |
| 4 | TO_82111_A/C_COMP | GR | | L SERIES |
| |   82580-9460A | | | |
| 4 | TO_82111 | B | | XL SERIES |
| | *82560-3870A | | | |
| 5 | ALT_L | | | |
| |   99141-12005 | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 1 | TO_82111 | B | | TRAILER |
| |   82580-6030B | | | |
| 2 | TRAILER_SOCKET | B | | TRAILER |
| |   82580-6040B | | | |
| 1 | MOTOR_PUMP | | | HYDRAULIC BRAKE |
| |   98060-5050A | | | |
| 2 | TO_FR/H | B | | HYDRAULIC BRAKE |
| | 82580-6720B | | | |
| | 82586-1060A | | | |

82131(1/13)

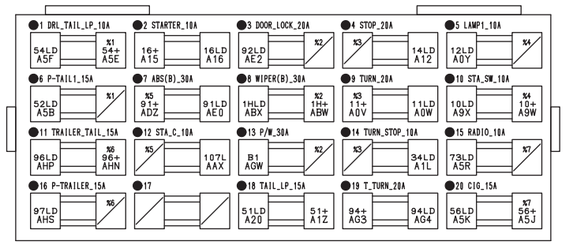
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | FUSE 1 | B | | L SERIES |




*82610-E0090

10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

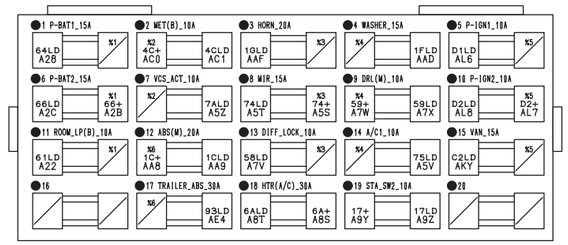
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | FUSE 1 | B | | XL SERIES |




*82610-E0090

10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

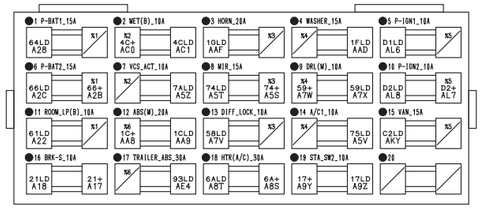
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | FUSE 2 | B | | XL SERIES |




*82610-E0090

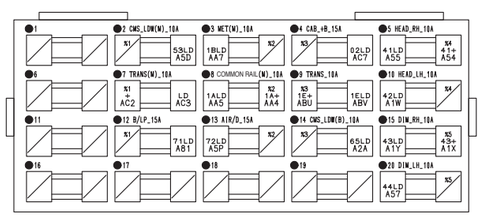
10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 2 | FUSE2 | B | | L SERIES |



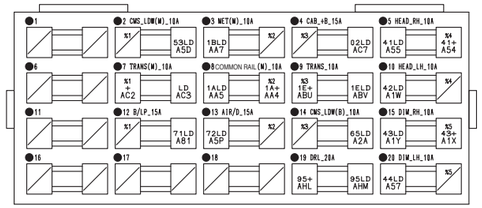

10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 3 | FUSE3 | B | | XL SERIES |



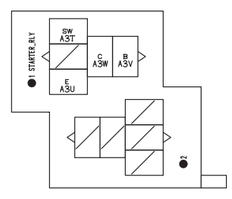

10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 3 | FUSE3 | B | | L SERIES |

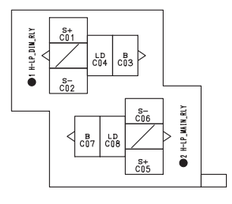



10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

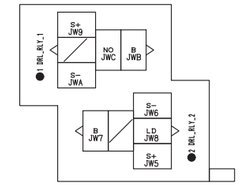
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 4 | CASSET_RLY | B | | |



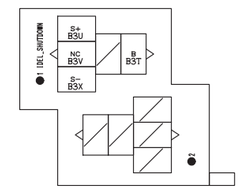

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 5 | CASSET_RLY | B | | |



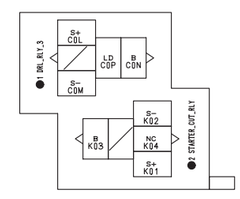

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 7 | CASSET_RLY | B | | |



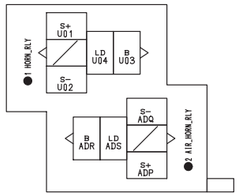

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 8 | CASSET_RLY | B | | L SERIES |




| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 10 | CASSET_RLY | B | | |

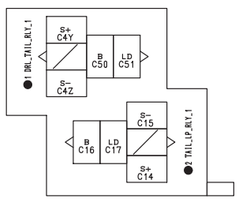


| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 11 | CASSET_RLY | B | | |



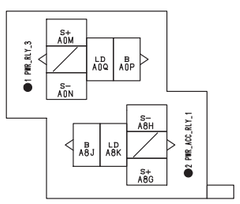

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 12 | CASSET_RLY | B | | |



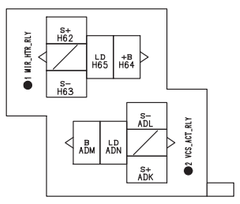

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 13 | CASSET_RLY | B | | |



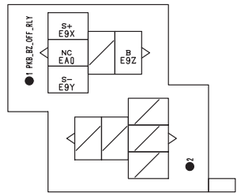

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 14 | CASSET_RLY | B | | |



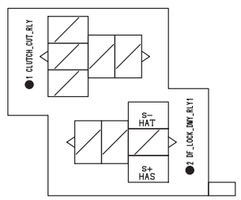

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 15 | CASSET_RLY | B | | L SERIES<br>HYDRAULIC BRAKE |



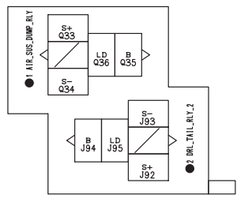

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 15 | CASSET_RLY | B | | XL SERIES |



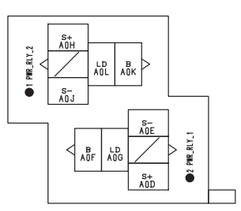

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 16 | CASSET_RLY | B | | TRAILER AIR SUS |



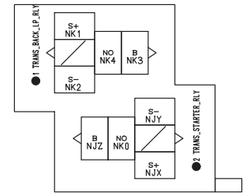

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 17 | CASSET_RLY | B | | |



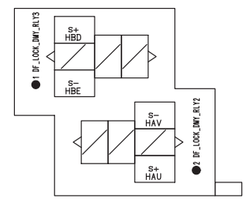

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 18 | CASSET_RLY | B | | |



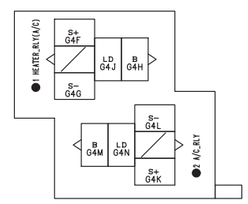

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 19 | CASSET_RLY | B | | XL SERIES<br>REAR DIFF LOCK |



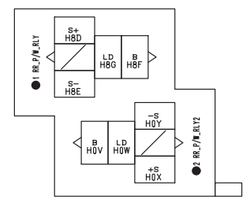

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 20 | CASSET_RLY | B | | |



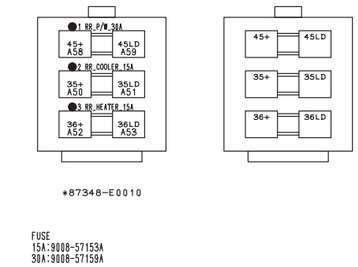

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 21 | CASSET_RLY | B | | REAR P/W |



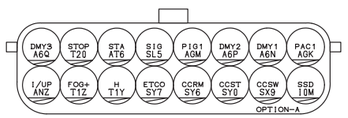

*82660-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 23 | CASSET_FUSE | B | | |
| 25 | BODY_BUILDER_IF | B | | |
| 26 | OPT_CONN_CAB | GR | | |
| 27 | STARTER_SW | | | |
| 28 | WORKING_LAMP_SW | L | | XL SERIES WORKING LAMP |

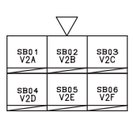



*87348-E0010

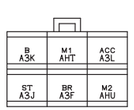
FUSE
15A:9008-57153A
30A:9008-57159A



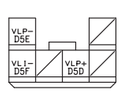

S8281-E0N00




S8281-E0M60

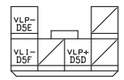



82560-3630A




82824-E0U10

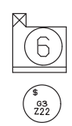
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 28 | VAN_LAMP_SW | L | | |
| 52 | GRAND_AUDIO | | | |
| 53 | GRAND_DR1 | | | |
| 54 | GRAND_DR2 | | | |
| 55 | W/S_EARTH_1 | | | |
| 56 | W/S_EARTH_2 | | | |




82824-E0U10

82583-1670A

82583-1670A




82583-1640A

SPLCE-00001

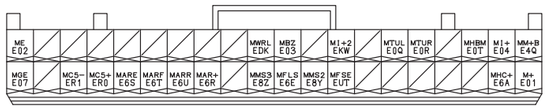
SPLCE-00001

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 57 | W/S_EARTH_3 | | | |
| 58 | W/S_EARTH_4 | | | |
| 59 | W/S_EARTH_5 | | | |
| 80 | COMB_METER_40P | B | | |
| 81 | COMB_METER_24P_A | B | | |

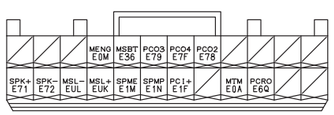
SPLCE-00001

SPLCE-00001

SPLCE-00001

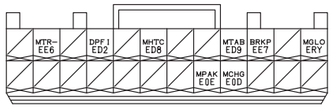



82824-E0P30



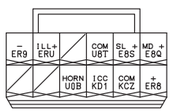

82824-E0P40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 82 | COMB_METER_24P_B | | | |



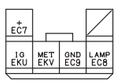

82824-E0P40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 83 | COMB_SW_SRC | B | | |



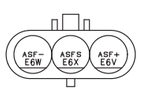

82824-E1150

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 84 | RHEOSTAT | GR | | |



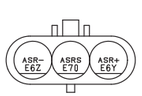

82824-E0U10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 85 | AIR_GAGE_SNSR_FR | B | | FULL AIR BRAKE |




82580-8980A

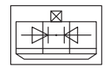
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 86 | AIR_GAGE_SNSR_RR | | | FULL AIR BRAKE |




82580-8980A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 87 | PKB_OFF_DIODE | GR | | HYDRAULIC BRAKE |

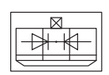
82560-4180A



85902-1210A

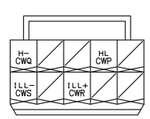
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 101 | DRL_TAIL_DIODE | GR | | |

82560-4180A



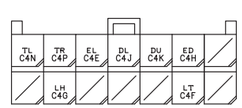
85902-1210A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 103 | HAZARD_SW | B | | |



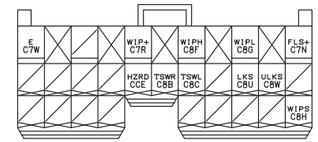

82824-E0P70

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 104 | LIGHT&TURN_SW | B | | |



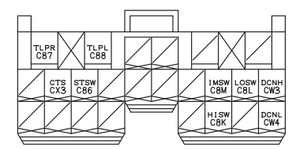

82560-2100A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 105 | BCM_26P | B | | |



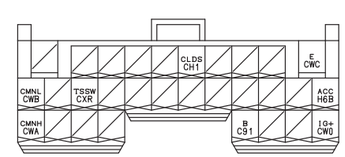

82824-E0S40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 106 | BCM_24P | B | | |



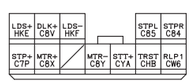

82824-E0S30

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 108 | BCM_30P | B | | |

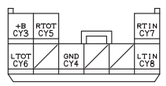



82824-E0Y40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 109 | BCM_12P | | | |
| 110 | T_TURN_UNIT | | | TRAILER |
| 111 | HL_DIODE | B | | LED HEAD LAMP |
| 113 | DRL_DIODE_1 | GR | | |
| 115 | DRL_ECU(1) | B | | |
| 116 | DRL_ECU(2) | B | | |
| 117 | NP_BRAKE_SW_NO | B | | HYDRAULIC BRAKE |
| 118 | STOP_LP_SW | B | | HYDRAULIC BRAKE |
| 119 | NP_STOP_LP_SW | B | | FULL AIR BRAKE |
| 120 | FLASHER_SHORT | | | |
| 121 | GRAND_AS1 | | | |
| 122 | GRAND_AS2 | | | |
| 130 | WIPER&RETARDER_SW | | | |
| 131 | WASHER_PUMP_MOTOR | B | | |
| 132 | WIPER_MOTOR | | | |



82580-8740A



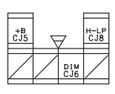
82560-2250A

82560-4230A

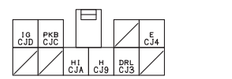
85902-1230A

82560-4180A

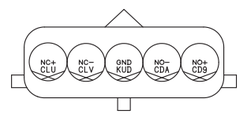
85902-1210A



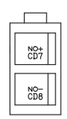
82580-7380A



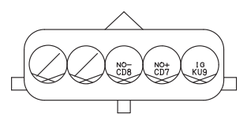
82824-E0Y50



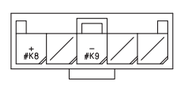
82828-1630A



82828-1310A

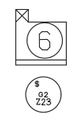


82828-1630A

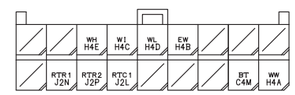


82560-2540A

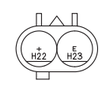
82583-1670A



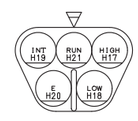
82583-1640A



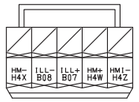
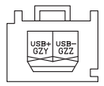
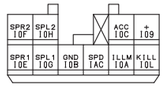
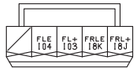
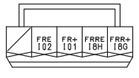
82560-2230A

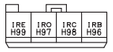
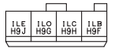
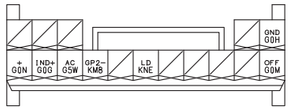
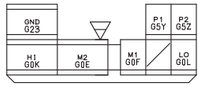


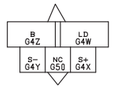
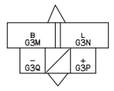
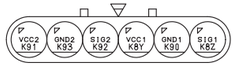
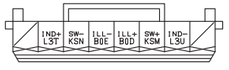
82580-6820B



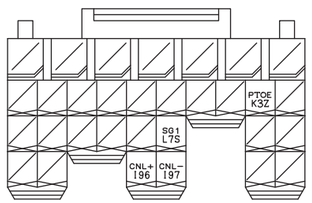
82580-7270B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 134 | MIRROR_HEATER_SW | B | | |
| |   82824-E0P70 | | | |
| 136 | CIG_LIGHTER | | | |
| | 82580-4610A | | | |
| 138 | USB_SOCKET | B | | |
| |   82824-E1710 | | | |
| 141 | ADDITIONAL_AUDIO | | | |
| | 82824-E0U40 | | | |
| 142 | AUDIO | | | |
| |   82824-E0V20 | | | |
| 143 | FR_SPEAKER_LH | | | |
| |   82824-E0N30 | | | |
| 144 | FR_SPEAKER_RH | | | |
| |   82824-E0N30 | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 150 | IN/RH_SW | L | | |
| |   82560-2860A | | | |
| 151 | IN/LH_SW | | | |
| |   82560-2840A | | | |
| 160 | A/C_SWITCH | | | A/C |
| |   82824-E0E40 | | | |
| 161 | BLOWER_MOTOR | B | | A/C |
| | 82824-E0T40 | | | |
| 162 | BLOWER_SWITCH | | | A/C |
| |   82824-E0W90 | | | |
| 163 | BLOWER_REGISTER | B | | A/C |
| | 82580-9270A | | | |

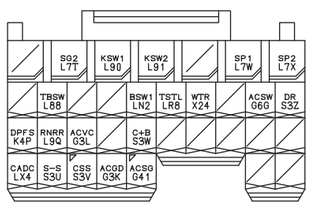
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 165 | THERMISTOR | | | A/C |
| | 82560-2510A | | | |
| 166 | A/C_DIODE | | | A/C |
| | 82560-2030A | | | |
| | 85902-1100A | | | |
| 167 | RR_HEATER_RLY | | | REAR HEATER REAR COOLER |
| |   S8281-E0R30 | | | |
| 168 | RR_COOLER_RLY | | | REAR HEATER REAR COOLER |
| |   S8281-E0R30 | | | |
| 180 | ACCEL_SSR | B | | |
| |   82824-E1590 | | | |
| 181 | DPR_REFRESH_SW | B | | |
| |   82824-E1B10 | | | |

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 182 | VCS-ECU_31P | | | |



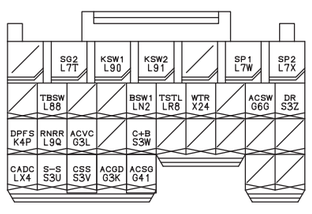

82824-E0060

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 184 | VCS-ECU_34P | | | XL SERIES |



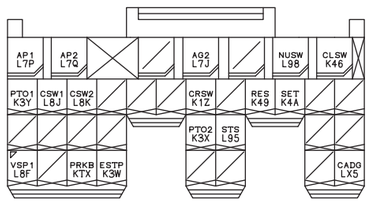

82824-E0080

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 184 | VCS-ECU_34P | | | L SERIES |



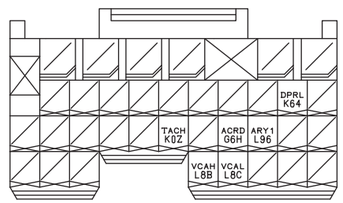

82824-E0080

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 185 | VCS-ECU_35P-A | | | |



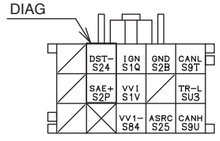

82824-E0090

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 186 | VCS-ECU_35P-B | | | |



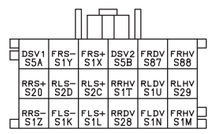

82824-E0100

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 210 | ABS_ECU_E | B | | FULL AIR BRAKE |



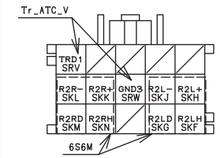

82580-9490A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 211 | ABS_ECU_F | GR | | FULL AIR BRAKE |



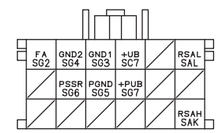

82580-9480A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 212 | ABS_ECU_G | GR | | FULL AIR BRAKE |



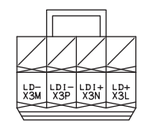

82580-9510A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 213 | ABS_ECU_H | | | |



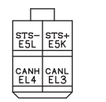

S8281-E0E20

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 214 | LANEOFF_WARNING_SW | B | | LDW |

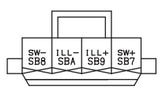



82824-E1690

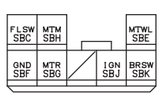
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 215 | STEERING_SENSOR | B | | FULL AIR BRAKE |
| 217 | VSC_OFF_SW | GR | | |
| 220 | MONITOR_MODULE | GR | | HYDRAULIC BRAKE |
| 240 | STP_ATM_DIODE_3P | B | | TRAILER & FULL AIR BRAKE |



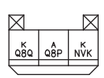

82824-E0U70



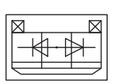

82824-E1B30




82824-E0U80
40KB




82560-4230A

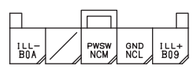


85902-1230A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 240 | STP_ATM_DIODE | B | | FULL AIR BRAKE |
| 241 | TM_MODE_SW | | | ALLISON 2200/2500 |
| 242 | ATM_BK_SW_DIODE | B | | HYDRAULIC BRAKE |

82560-3800A

85902-1200A

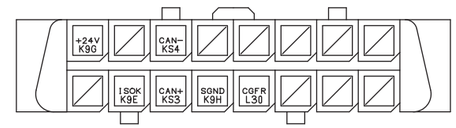



82560-2550A

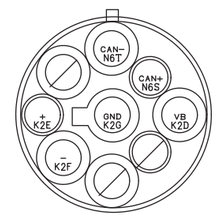
82560-3800A

85902-1200A

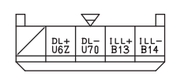
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 250 | DLC3 | B | | |
| 251 | DIAG | G | | |
| 252 | DIFF_LOCK_ON/OFF_SW | B | | REAR DIFF LOCK |
| 253 | DIFF_LOCK_CNG_SW | L | | XL SERIES REAR DIFF LOCK |



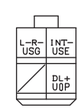

82560-3130A




S8281-E0M90
CAP:82585-1250A

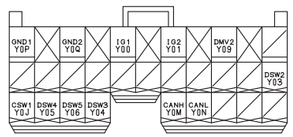



82824-E0U00

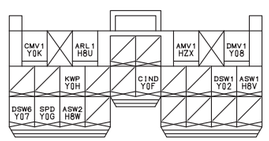



82824-E0U70

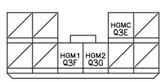
| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 254 | DIFF_LOCK_ECU(26P) | | | REAR DIFF LOCK |
| 255 | DIFF_LOCK_ECU(24P) | | | L SERIES<br>REAR DIFF LOCK |
| 256 | AIR_SUS_DUMP_SW | | | |
| 258 | TELEMATICS_INFO | | | |



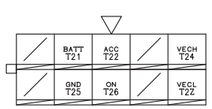

82824-E0S40




82824-E0S30

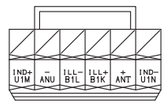



82580-7210A



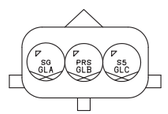

S8281-E0M40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 261 | SLIDE_COUPLER_SW | B | | XL SERIES |
| 270 | CAN_IF | B | | |
| 280 | A/C_PRES_SSR | B | | |
| 281 | STA_CUT_DIODE | B | | |
| 282 | IDLE_SHUTDOWN_DIODE | B | | |




82824-E1150

S8281-E0M50




82824-E0X30

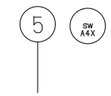
82560-3800A

85902-1200A

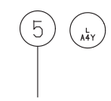
82560-3800A

85902-1200A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 283 | HEATER_RLY_SW | | | |
| 284 | HEATER_RLY_L | | | |
| 285 | FAN_CLUTCH_S/V | B | | |



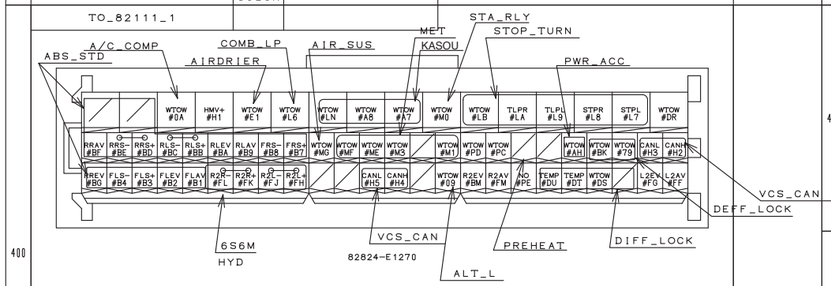

99141-11005

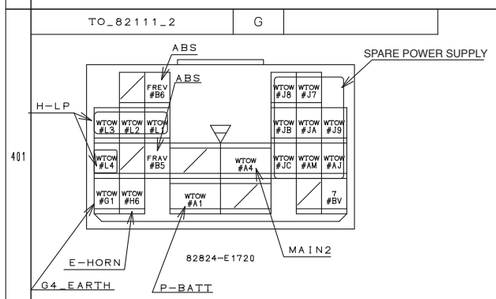


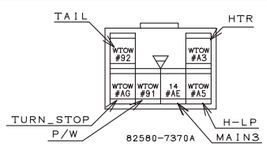

99141-11005

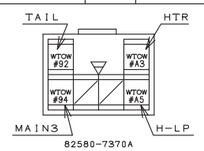
S8281-E0G00

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 400 | TO_82111_1 | | | |
| 401 | TO_82111_2 | G | | |
| 402 | TO_82111_3 | | | L SERIES |
| 402 | TO_82111_3 | | | XL SERIES |

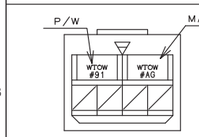


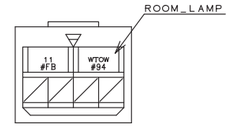



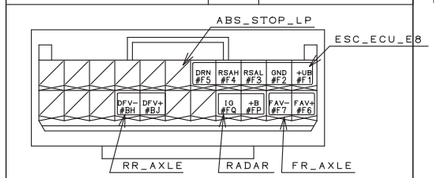



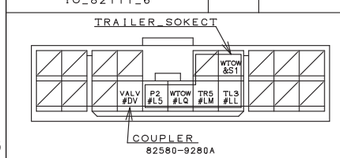




| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 403 | TO_82111_4 | | | XL SERIES |
| 403 | TO_82111_4 | | | L SERIES |
| 404 | TO_82111_5 | | | L SERIES |
| 405 | TO_82111_6 | | | XL SERIES |

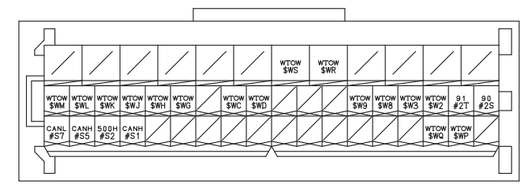


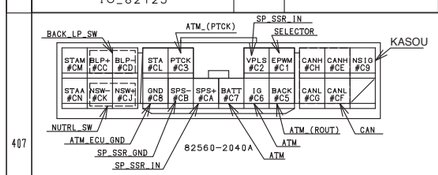



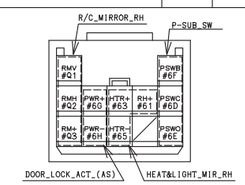



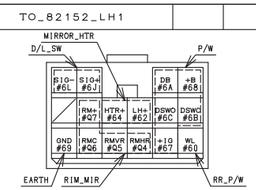




| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 406 | TO_82113 | | | |
| 407 | TO_82125 | | | |
| 408 | TO_82151_RH | O | | |
| 409 | TO_82152_LH1 | | | |

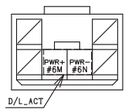


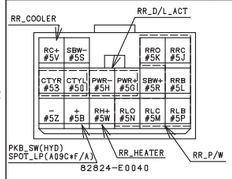



| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 410 | TO_82152_LH2 | | | KEYLESS ENTRY |



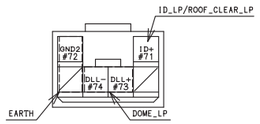

82580-6050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 412 | TO_82161 | | | |



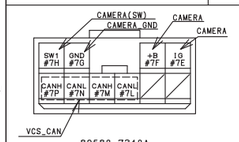

82824-E0040

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 413 | TO_82171 | | | |



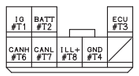

82580-6050A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 414 | TO_82171_10P | | | |




82580-7340A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 417 | TO_82236 | | | ALLISON 3000/3500 |




82824-E0U80

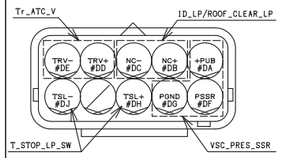
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 418 | TO_EARTH_1 | | | |

82824-E0U40

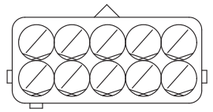
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 419 | TO_EARTH_2 | | | |

82580-7320A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 422 | TO_82136_10P | B | | |




82824-E0B10

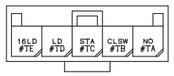


*82824-E0B20_CAP

COLOR(B)

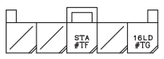
(HYDRAULIC BRAKE)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 423 | TO_82223 | | | L SERIES |




82560-2540A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 424 | ATM _SHORT | | | L SERIES |

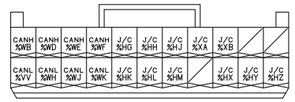



82560-2550A

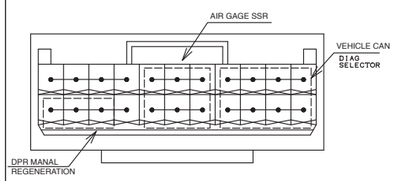
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 425 | DIAG_CUT_OFF | | | |

82824-E0U30

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 501 | CAN_J/C_1 | L | | |



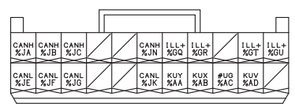

82824-E1330



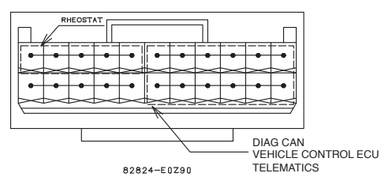

82824-E0Z40

COLOR(L)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 502 | CAN_J/C_2 | B | | |




82824-E1330

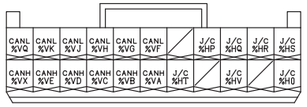



82824-E0Z90

COLOR(B)

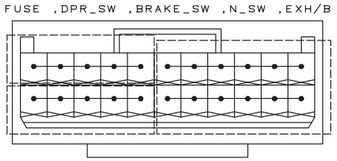
82131(13/13)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 503 | CAN_J/C_3 | B | | |




82824-E1330

FUSE ,DPR_SW ,BRAKE_SW ,N_SW ,EXH/B



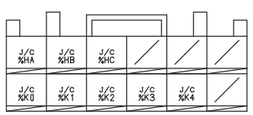
<VEHICLE CAN>
VCS ECU ×2
ABS
TELEMATICS

BRAKE_SW ,VCS_ECU ,AT_STOP_NC_RLY ,U2_ECU

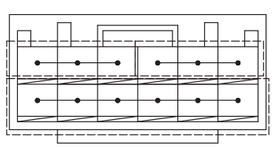
82824-E0Z90

COLOR(B)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 504 | J/C_4 | B | | |




82824-E1390

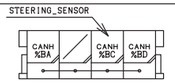


82824-E0Z30

COLOR(B)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 505 | CAN_J/C_5_H | | | |

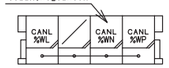
STEERING_SENSOR




82550-1360A

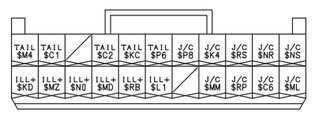
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 506 | CAN_J/C_5_L | | | |

STEERING_SENSOR



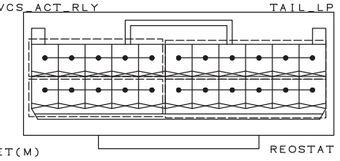

82550-1360A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 511 | J/C_8 | B | | |




82824-E1330

VCS_ACT_RLY TAIL_LP

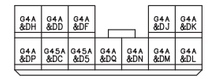


MET(M) REOSTAT

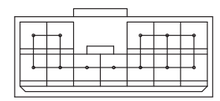
82824-E0Z90

COLOR(B)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 512 | J/C_EARTH | L | | |



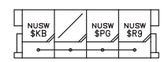

82824-E0U90



82550-1040A

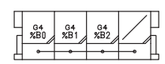
COLOR(L)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 513 | J/C_9 | | | |



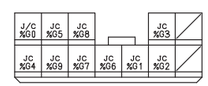

82550-1360A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 514 | J/C_10 | | | |

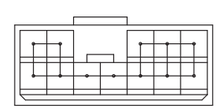



82550-1360A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 515 | J/C_11 | L | | |



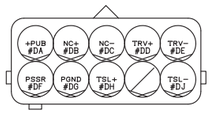
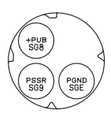
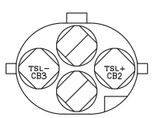
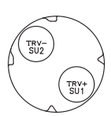

82824-E0U90



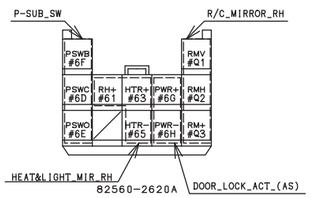
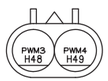
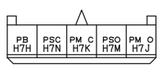
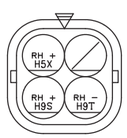
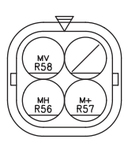
82550-1040A

COLOR(L)

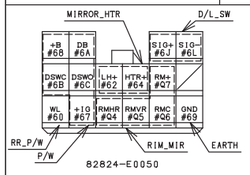
82136(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131 | B | | |
| |   82824-E0B20 | | | |
| 2 | BRAKE_SW(NC) | B | | FULL AIR BRAKE & TRAILER |
| | 82580-6820B | | | |
| 2 | BRAKE_SW(NC) | B | | FULL AIR BRAKE |
| | 82580-6820B | | | |
| 3 | VSC_PRES_SSR | B | | |
| |   S8281-E0G80 | | | |
| 4 | T_STOP_LP_SW | B | | TRAILER |
| |   S8281-E0E70 | | | |
| 5 | Tr_ATC_V | B | | TRAILER |
| |   S8281-E0P00 | | | |

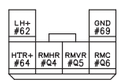
82151(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131_12P | O | | |
| |  | | | |
| 2 | P/W_MTR_(AS) | B | | |
| |  <br>82560-4400A | | | |
| 3 | P-SUB_SW | | | |
| |  <br>82580-6250A | | | |
| 4 | HEAT&LIGHT_MIR_RH | | | |
| |  <br>82580-9460A | | | |
| 5 | DOOR_LOCK_ACT_(AS) | GR | | |
| | <br>S8281-E0F10 | | | |
| 6 | R/C_MIRROR_RH | B | | |
| |  <br>82580-9460A | | | |

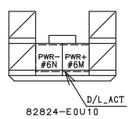
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131_16P | | | |



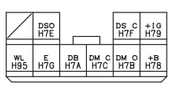

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131_LH1 | | | |




| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | TO_82131_6P | | | |

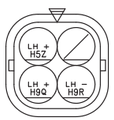



| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | D-MASTER_SW | | | |

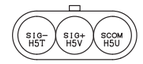



| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | P/W_MTR_(DR) | GR | | |

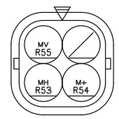
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | HEAT&LIGHT_MIR_LH | | | |



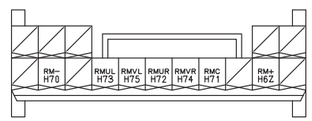

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 6 | DOOR_LOCK_SW_(DR) | GR | | |



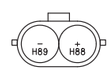

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 7 | R/C_MIRROR_LH | B | | |



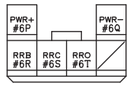
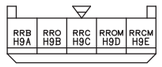
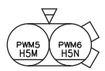

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 8 | RIM_MIRROR_SW | | | |



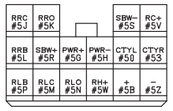
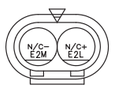
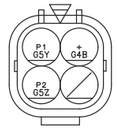
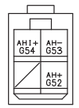
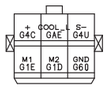
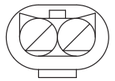
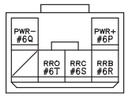
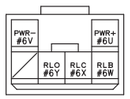

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 10 | DOOR_LOCK_ACT_(DR) | GR | | |



82153(1/1)

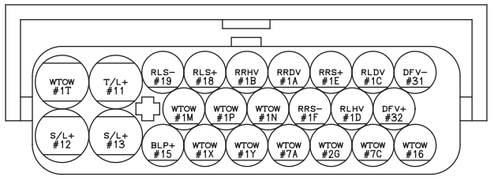
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82161 | | | |
| |   82824-E0U10 | | | |
| 2 | RR/RH_SW | | | |
| |   82560-3250A | | | |
| 3 | P/W_MTR_RR_RH | GR | | |
| |   82580-9420A | | | |
| 4 | DOOR_LOCK_RR_RH | | | CREW CAB |
| | 82580-7660B | | | |
| 5 | W/S_DOOR_DMY | | | |
| | SPLCE-00001 | | | |

82161(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLICATION |
|---|---|---|---|---|
| 1 | TO_82131_16P | | | |
| |   82824-E0050 | | | |
| 2 | CTY_SW_FR_R | | | |
| | 82824-E0U30 | | | |
| 3 | CTY_SW_FR_L | | | |
| | 82824-E0U30 | | | |
| 4 | SPOT_LAMP | B | | XL SERIES WORKING LAMP |
| | 82580-9420A | | | |
| 5 | PKB_SW | B | | |
| |   82560-2940A | | | |
| 7 | S/B_SW | B | | |
| | 82580-6820B | | | |
| 10 | CTY_SW_RR_R | | | CREW CAB |
| | 82824-E0U30 | | | |
| 11 | CTY_SW_RR_L | | | CREW CAB |
| | 82824-E0U30 | | | |
| 12 | RR_HEATER_UNIT | B | | REAR HEATER |
| |   82580-8340B | | | |
| 13 | RR_HEATER_SW | GR | | REAR HEATER |
| |   82580-8380A | | | |
| 14 | RR_COOLER_UNIT | B | | REAR COOLER |
| |   82560-2920A | | | |
| 15 | RR_BLOWER_SW | | | REAR COOLER |
| | 82580-6920A | | | |
| 16 | COOLER_MAGNET_VALVE | GR | | REAR COOLER |
| | 82580-6600B | | | |
| |  82580-6590B_CAP COLOR(GR) | | | |
| 50 | TO_82153_RH | | | REAR P/W |
| |   82580-6050A | | | |
| 51 | TO_82153_LH | | | REAR P/W |
| |   82580-6050A | | | |

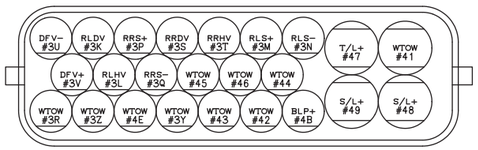
82164(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82111_24P | B | | |



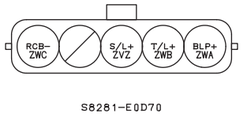
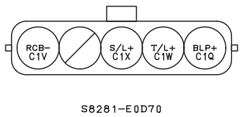

82824-E0K00

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | TO_82177_24P | B | | |



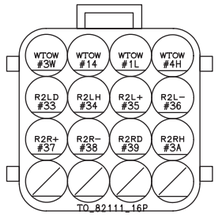

82560-1320A

82165(1/1)

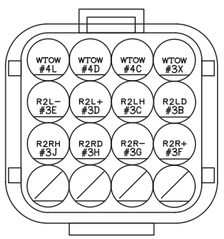
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | RR_COMB_LH_OUT | B | | |
| |   | | | |
| 3 | RR_COMB_RH | B | | |
| |   | | | |

82169(1/1)

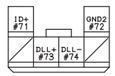
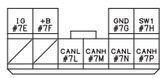
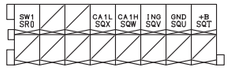
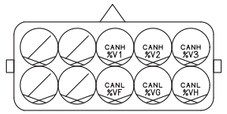
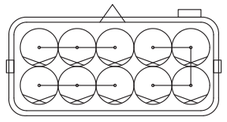
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82111_16P | B | | |
| 2 | TO_82177_16P | B | | |




S8281-E0Q90

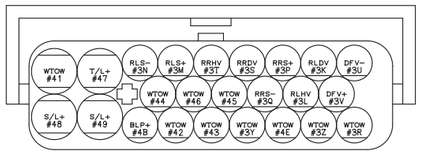



S8281-E0Q80

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131_6P | | | |
| |   82824-E0U10 | | | |
| 2 | TO_82131_10P | | | ABS WITH TCS, ESC & CMS |
| |   82580-7210A | | | |
| 3 | ROOF_C/L_LH | B | | |
| | 82580-7320A | | | |
| 4 | ID_LAMP_LH | B | | |
| | 82580-7320A | | | |
| 5 | ID_LAMP_CTR | B | | |
| | 82580-7320A | | | |
| 6 | ID_LAMP_RH | B | | |
| | 82580-7320A | | | |
| 7 | ROOF_C/L_RH | B | | |
| | 82580-7320A | | | |
| 8 | DOME_LAMP_RH | | | |
| | 82580-3360A | | | |
| 9 | DOME_LAMP_LH | | | |
| | 82580-3360A | | | |
| 12 | CAMERA | B | | ABS WITH TCS, ESC & CMS |
| |   S8281-E0N40 | | | |
| 13 | DOME_LAMP_RR_CTR | | | EXTENDED CAB |
| | 82580-3360A | | | |
| 14 | DOME_LAMP_RR_RH | | | CREW CAB |
| | 82580-3360A | | | |
| 15 | DOME_LAMP_RR_LH | | | CREW CAB |
| | 82580-3360A | | | |
| 20 | CAN_J/C | B | | ABS WITH TCS, ESC & CMS |
| |   S8281-E0E80 | | | |
| |  S8281-E0E90 | | | |

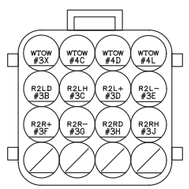
82177(1/3)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82164_24P | B | | |



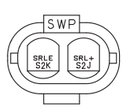

82824-E0K00

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | TO_82169_16P | B | | XL SERIES |



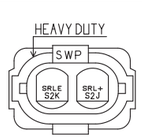

S8281-E0Q90

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | ABS_SENSOR_RR_LH | B | | F/A*ABS * L SERIES _21MY |



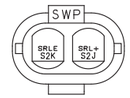

82560-3330A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | ABS_SENSOR_RR_LH | B | | HYDRAULIC BRAKE |



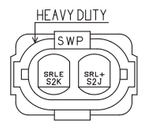

82560-4720A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | ABS_SENSOR_RR_LH_TCS | B | | F/A*TCS * L SERIES _21MY F/A * L SERIES _22MY |



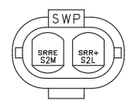

82560-3330A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | ABS_SENSOR_RR_LH_TCS | B | | F/A*TCS * XL SERIES |



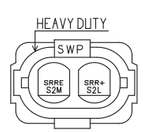

82560-4720A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | ABS_SENSOR_RR_RH | B | | L SERIES |



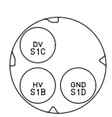

82560-3330A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | ABS_SENSOR_RR_RH | B | | XL SERIES |



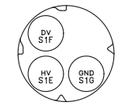

82560-4720A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 6 | MODULATOR_RR_RH | B | | 21MY*F/A *ABS |



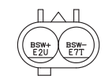

S8281-E0G80

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 7 | MODULATOR_RR_LH | B | | 22MY*F/A *ABS |




S8281-E0G80

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 8 | BZR_OFF_SW | B | | FULL AIR BRAKE |

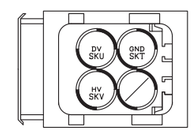



82580-6820B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 9 | SPG_BRK_SW | DG | | FULL AIR BRAKE |

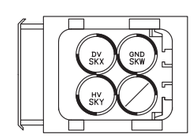
82580-6770B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 12 | MODULATOR_R2_LH | B | | XL SERIES ABS WITH TCS 6S/6M |



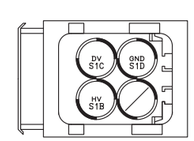

S8281-E0F50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 13 | MODULATOR_R2_RH | B | | XL SERIES ABS WITH TCS 6S/6M |



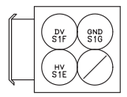

S8281-E0F50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 14 | RR_AXLE_PACKAGE_RH | B | | F/A*TCS F/A*ABS *22MY |



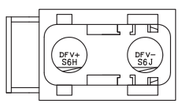

S8281-E0F50

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 15 | RR_AXLE_PACKAGE_LH | B | | F/A*TCS<br>F/A*ABS<br>*22MY |

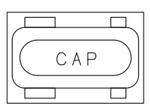



S8281-E0F40

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 16 | RR_AXLE_PACKAGE_ATC | B | | F/A*TCS |



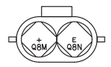

82824-E1640



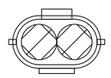

S8286-E0010

(XL SERIES *TCS )

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 18 | A/S_DUMP_ACT_M/V | B | | |



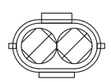

S8281-E0G00



*S8281-E0G10_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 19 | A/S_DUMP_EXH_M/V | B | | |

S8281-E0G00



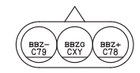
*S8281-E0G10_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 21 | BACK_BUZZER | B | | 21MY |

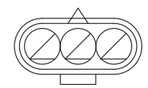
82580-6820B

82560-1670A_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 21 | BACK_BUZZER | B | | 22MY |

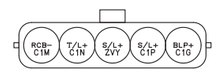



82580-7140B



82580-7130B_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 22 | RR_COMB_LH_IN | GR | | |



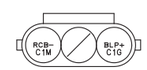

S8281-E0D60

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 23 | L/PRES_SW_3 | B | | |

82580-6820B

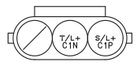
82560-1670A_CAP

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 24 | RR_COMB_LH_1 | B | | XL SERIES<br>TRACTOR |




82828-1100A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 25 | RR_COMB_LH_2 | B | | XL SERIES TRACTOR |
| 26 | RR_COMB_RH | B | | XL SERIES TRACTOR |
| 27 | LICENSE_LAMP | B | | XL SERIES TRACTOR |
| 30 | M_DIFF_LOCK_R1_SW | GR | | |



82828-1100A

82828-1100A

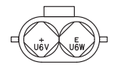
82560-1670A

82580-6820B_CAP

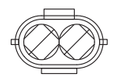
S8281-E0N90

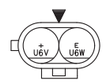
*S8281-E0L20_CAP
COLOR(GR)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 31 | MN/D_M/V | B | | |
| 31 | MN_D_M/V | | | L SERIES _21MY |
| 32 | R/D_M/V | B | | XL SERIES |

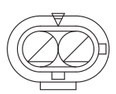


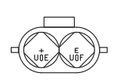
S8281-E0G00


*S8281-E0G10_CAP



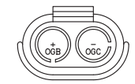
82580-9250A


82580-7170B_CAP

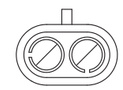


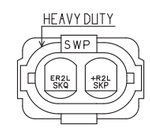
S8281-E0G00

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 35 | M_DIFF_LOCK_R2_SW | GR | | XL SERIES |
| 40 | ABS_SENSOR_R2_LH | B | | XL SERIES ABS 6S/6M |
| 41 | ABS_SENSOR_R2_RH | B | | XL SERIES ABS 6S/6M |
| 45 | SLIDE/C_M/V | B | | XL SERIES SLIDE COUPLER |
| 50 | W/S_&1B | | | |

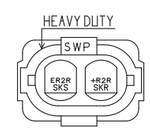


S8281-E0N90

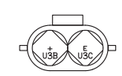

*S8281-E0L20_CAP
COLOR(GR)



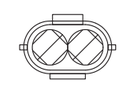
82560-4720A



82560-4720A

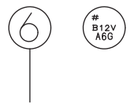
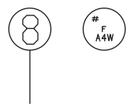


S8281-E0G00


*S8281-E0G10_CAP

SPLCE-W0001

82213(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | INTAKE_HTR | | | |
| |   *7003-2070-02 | | | |
| 2 | INTAKE_HTR_RLY | | | |
| |   *7003-1171-02 | | | |

82214(1/1)

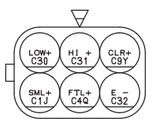
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82111 | B | | L SERIES |

S8281-E0R10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82111 | B | | XL SERIES |

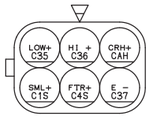
S8281-E0R10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | LED_HEADLAMP_LH | B | | LED HEAD LAMP |



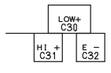

82580-8490B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 3 | LED_HEADLAMP_RH | B | | LED HEAD LAMP |



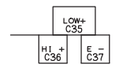

82580-8490B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 4 | HEADLAMP_LH | B | | HALOGEN HEAD LAMP |




82580-2160A

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 5 | HEADLAMP_RH | B | | HALOGEN HEAD LAMP |




82580-2160A

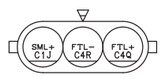
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 6 | SIDE_TURN_LAMP_LH | GR | | |

82580-6770B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 7 | SIDE_TURN_LAMP_RH | GR | | |

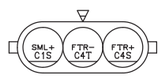
82580-6770B

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 8 | F/TURN&MARKER_LP_LH | B | | HALOGEN HEAD LAMP |




82560-1730A

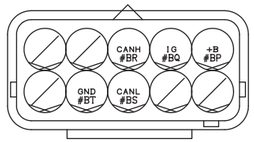
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 9 | F/TUNRN&MARKER_RH | B | | HALOGEN HEAD LAMP |




82560-1730A

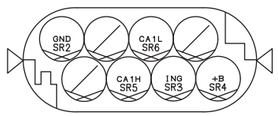
82219(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82111 | B | | XL SERIES<br>ABS & CMS |



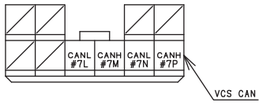

82824-E0B10

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | RADAR | B | | XL SERIES<br>ABS & CMS |



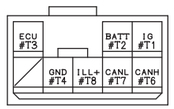

S8281-E0L10

82235(1/1)

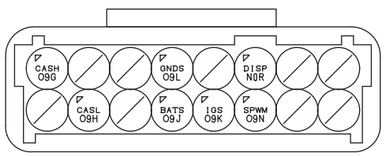
| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | CMS _SHORT | | | |
| |  82580-7210A | | | |
| 2 | FLASHER_SHORT | | | |
| | 82560-2550A | | | |

82236(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | TO_82131 | | | ALLISON 3000/3500 |
| 2 | SELECTOR | GR | | ALLISON 3000/3500 |




82824-E0T90




82828-1600A

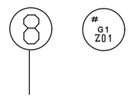
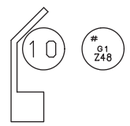
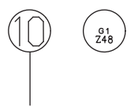
82284(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 2 | BATTERY<br>10 #-(1) A49<br>82675-E0450 | | | L SERIES |
| 2 | BATTERY<br>10 #-(1) A49<br>*82583-1780A | | | XL SERIES |
| 3 | STARTER1<br>10 #E A3Z<br>82675-E0450 | | | L SERIES |
| 3 | STARTER1<br>12 #E A3Z<br>*7003-1212-02 | | | XL SERIES |

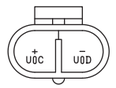
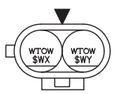
82286(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | STARTER_GND<br>10 #E A32<br>*7003-2072-02 | | | L SERIES<br>12V-130A/135A |
| 1 | STARTER_GND<br>10 #E A32<br>*7003-2091-02 | | | L SERIES<br>12V-160A |
| 1 | STARTER_GND<br>12 #E A32<br>*7003-1182-02 | | | XL SERIES<br>12V-130A/135A |
| 1 | STARTER_GND<br>12 #E A32<br>*7003-1192-02 | | | XL SERIES<br>12V-180A/200A |
| 2 | ALT-<br>6 #E A41<br>*7003-1965-02 | | | 12V-160A<br>12V-180A/200A |
| 2 | ALT-<br>6 #E A41<br>*82675-36040 | | | |

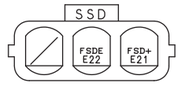
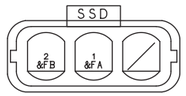
82288(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | CAB_GRAND(G3) | | | |
| |   SR142-00920 | | | |
| 2 | CHASS_GRAND(G3) | | | FULL AIR BRAKE |
| |   *82675-E0520 | | | |
| 2 | CHASS_GRAND(G3) | | | HYDRAULIC BRAKE |
| |   SR142-01120 | | | |

82291(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | AIR_DRIER | B | | XL SERIES |
| |   82560-4660A | | | |
| 2 | TO_82111 | B | | XL SERIES |
| |   82580-9250A | | | |

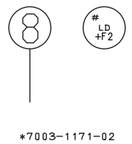
82412(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | FUEL_SENDER_RH | DG | | L SERIES 50GAL. x2 |
| |   82560-4350A | | | |
| 2 | FUEL_SENDER_WTOW2 | DG | | L SERIES 50GAL. x2 |
| |   82824-E1080 | | | |

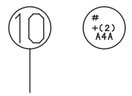
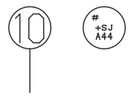
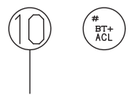
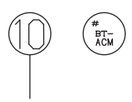
82422(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | STARTER_B<br>12 #B A3X<br>*7003-2131-02 | | | 12V-130A/135A |
| 1 | STARTER_B<br>12 #B A3X<br>*82675-E0560 | | | 12V-160A<br>12V-180A/200A |
| 2 | ALT+<br>8 #B A40<br>*82675-E0110 | | | 12V-135A |
| 2 | ALT+<br>8 #B A40<br>*82583-1960A | | | 12V-160A<br>12V-180A/200A |
| 2 | ALT+<br>8 #B A40<br>*7003-1171-02 | | | 12V-130A |

82627(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | INTAKE_HTR_BATTERY | | | |
| |   | | | |
| 2 | INTAKE_HTR_RLY | | | |
| | | | | |

84523(1/1)

| No. | PART NAME | CONN. COLOR | LOCATION | APPLI-CATION |
|---|---|---|---|---|
| 1 | BATTERY2_(+) | | | |
| |   99142-14100 | | | |
| 2 | JUMP_STUD_POS | | | |
| |   99142-14100 | | | |
| 3 | DISCONNECT_SW(+) | | | |
| |   99142-14100 | | | |
| 4 | DISCONNECT_SW(−) | | | |
| |   99142-14100 | | | |
| 5 | TO_82111 | B | | |
| | 82824-E0Y80 | | | |

## 5. METRIC/U.S. CUSTOMARY UNIT EQUIVALENTS

| Multiply: | by: | to get: | Multiply: | by: | to get: |
|---|---|---|---|---|---|
| LINEAR | | | | | |
| inches | x 25.4 | = millimeters (mm) | | x 0.03937 | = inches |
| inches | x 2.54 | = centimeters (cm) | | x 0.3937 | = inches |
| feet | x 0.3048 | = meters (m) | | x 3.281 | = feet |
| AREA | | | | | |
| inches$^2$ | x 645.16 | = millimeters$^2$ (mm$^2$) | | x 0.00155 | = inches$^2$ |
| inches$^2$ | x 6.452 | = centimeters$^2$ (cm$^2$) | | x 0.155 | = inches$^2$ |
| feet$^2$ | x 0.0929 | = meters (m$^2$) | | x 10.764 | = feet$^2$ |
| VOLUME | | | | | |
| inches$^3$ | x 16387.0 | = millimeters$^3$ (mm$^3$) | | x 0.000061 | = inches$^3$ |
| inches$^3$ | x 16.387 | = centimeters$^3$ (cm$^3$) | | x 0.06102 | = inches$^3$ |
| inches$^3$ | x 0.01639 | = liters (l) | | x 61.024 | = inches$^3$ |
| quarts | x 0.94635 | = liters (l) | | x 1.0567 | = quarts |
| gallons | x 3.7854 | = liters (l) | | x 0.2642 | = gallons |
| feet$^3$ | x 28.317 | = liters (l) | | x 0.03531 | = feet$^3$ |
| feet$^3$ | x 0.02832 | = meters$^3$ (m$^3$) | | x 35.315 | = feet$^3$ |
| fluid oz | x 29.57 | = milliliters (ml) | | x 0.03381 | = fluid oz |
| MASS | | | | | |
| ounces (av) | x 28.35 | = grams (g) | | x 0.03527 | = ounces (av) |
| pounds (av) | x 0.4536 | = kilograms (kg) | | x 2.2046 | = pounds (av) |
| tons (2000 lb) | x 907.18 | = kilograms (kg) | | x 0.001102 | = tons (2000 lb) |
| tons (2000 lb) | x 0.90718 | = tonne (t) | | x 1.1023 | = tons (2000 lb) |
| FUEL ECONOMY | | | | | |
| miles/gal | x 0.42514 | = kilometers/liter (km/l) | | x 2.3522 | = miles/gal |
| gal/mile | x 2.3522 | = liters/kilometer (l/km) | | x 0.42514 | = gal/mile |
| gal/mile | x 235.22 | = liters/100 kilometers (l/100 km) | | x 0.004251 | = gal/mile |
| POWER | | | | | |
| horsepower | x 0.746 | = kilowatts (kw) | | x 1.34 | = horsepower |
| ft-lbf/min | x 0.0226 | = watts (W) | | x 44.25 | = ft-lbf/min |
| TORQUE | | | | | |
| pound-inches | x 0.11298 | = newton-meters (N·m) | | x 8.851 | = pound-inches |
| pound-feet | x 1.3558 | = newton-meters (N·m) | | x 0.7376 | = pound-feet |
| VELOCITY | | | | | |
| miles/hour | x 1.6093 | = kilometers/hour (km/h) | | x 0.6214 | = miles/hour |
| kilometers/hr | x 0.27778 | = meters/sec (m/s) | | x 3.600 | = kilometers/hr |
| miles/hour | x 0.4470 | = meters/sec (m/s) | | x 2.237 | = miles/hour |
| COMMON METRIC PREFIXES | | | | | |
| | mega (M) | = 1,000,000 | | centi (c) | = 0.01 |
| | kilo (k) | = 1,000 | | milli (m) | = 0.001 |
| | hecto (h) | = 100 | | micro ($\mu$) | = 0.000001 |