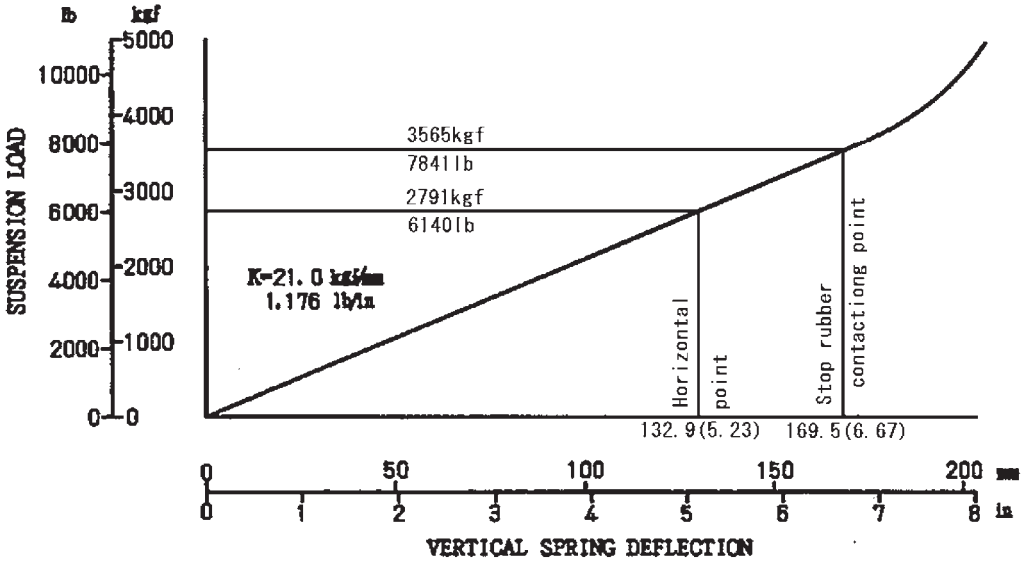
Chapter 12

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

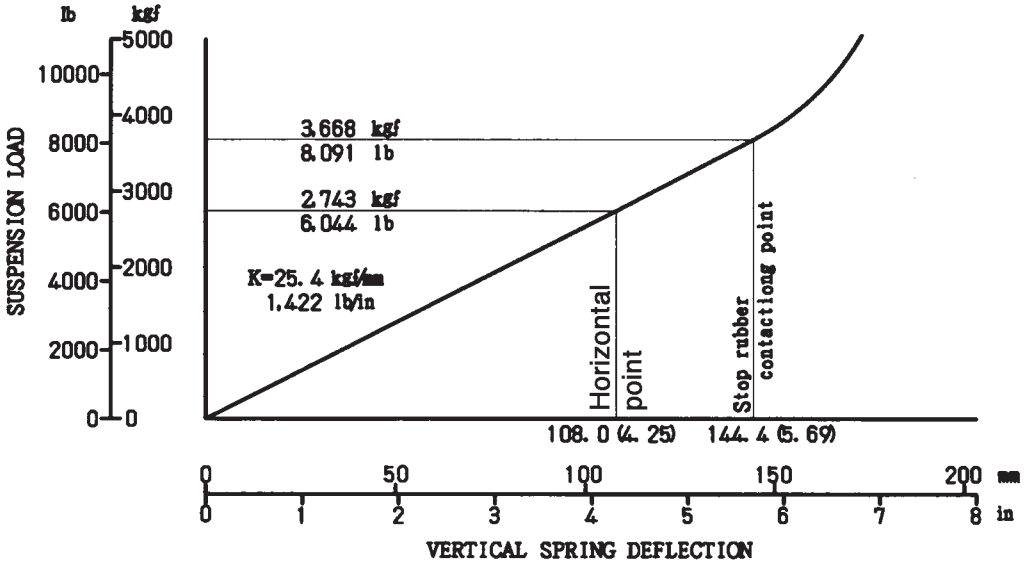
- **FRONT SPRING PER ONE SIDE**
  MODEL : NE AND NJ
  CAPACITY : 8000lbs (OPT)



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)

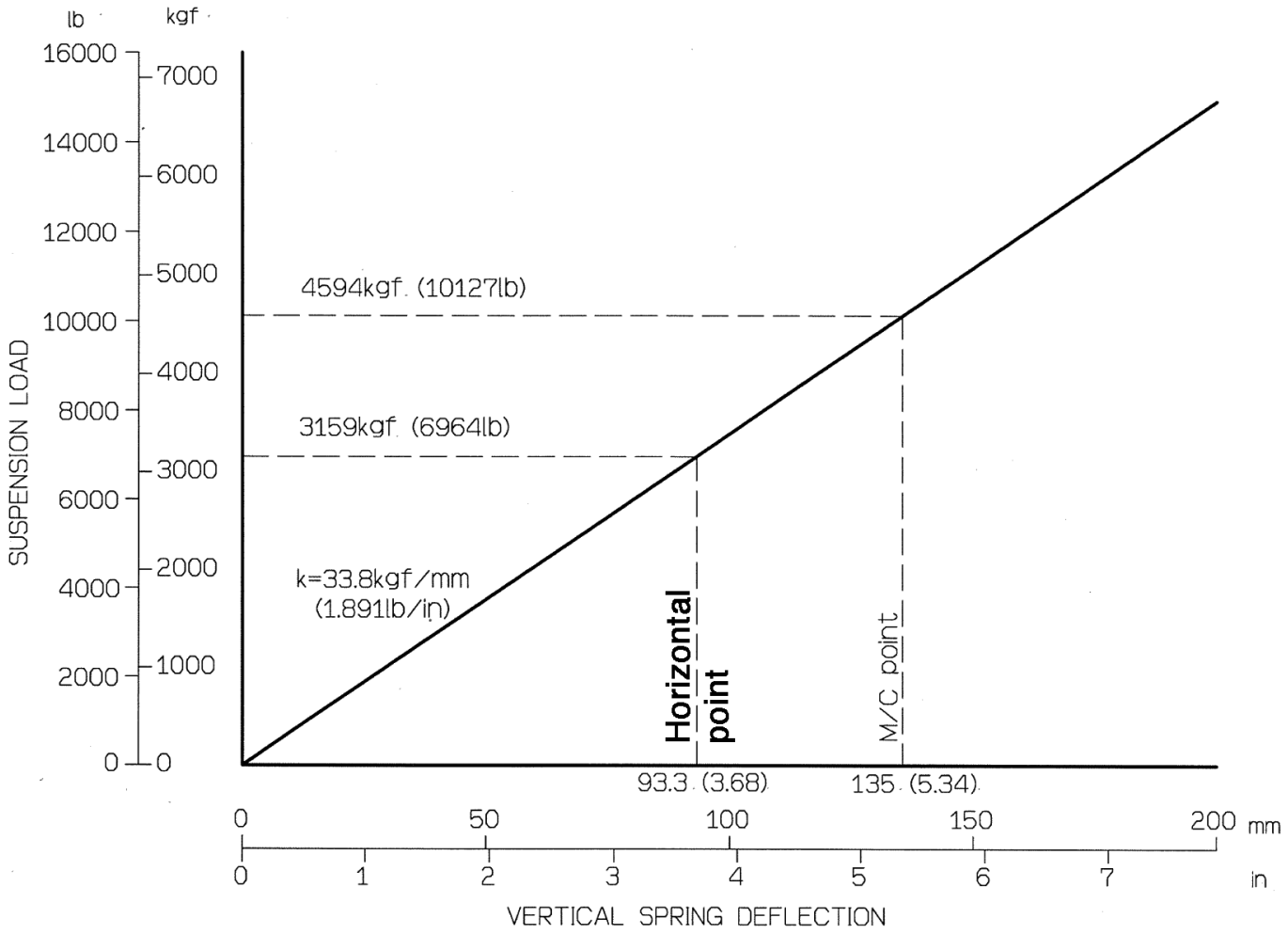
MODEL : ALL (NE, NF, NJ, NV AND NH)
CAPACITY : 12000lbs (STD)



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)

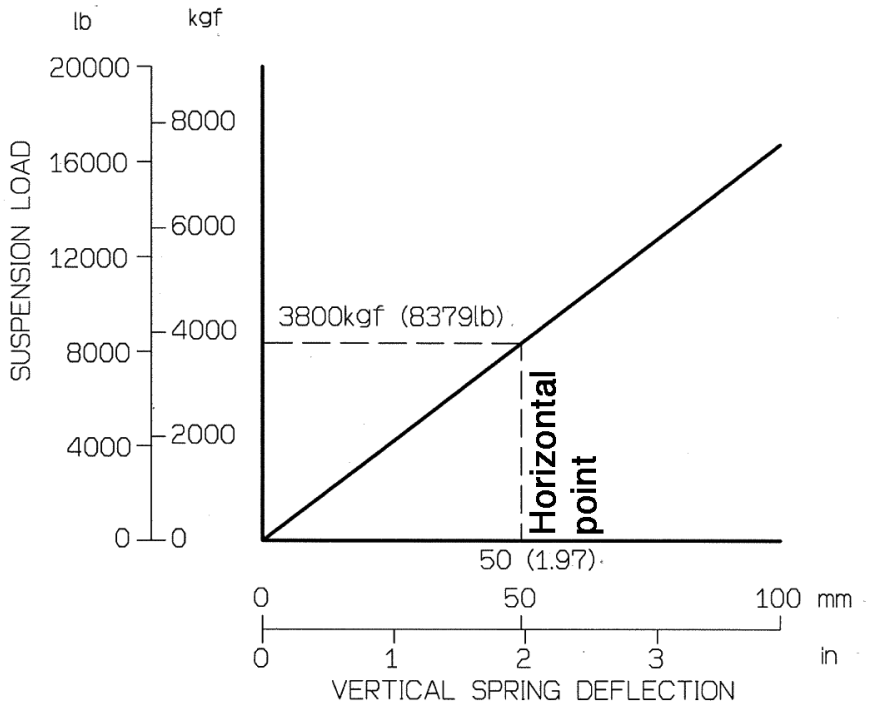
MODEL : NV AND NH
CAPACITY : 14000lbs (OPT)



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)

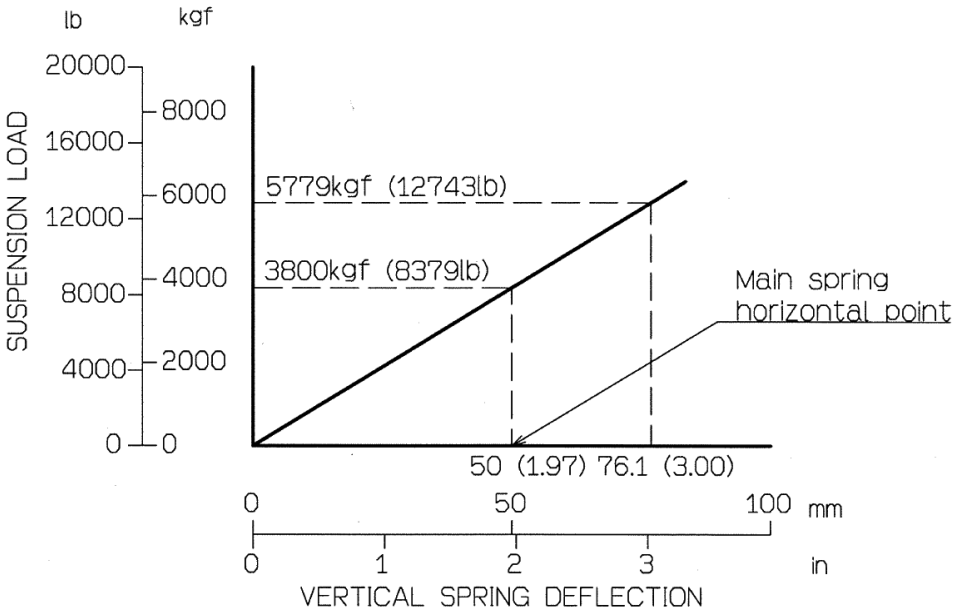
- **REAR SPRING PER ONE SIDE**
  MODEL : NE (STD, WITHOUT HELPER SPRING)
  K : 75.9kgf/mm (4.250lb/in.)
  CAPACITY : 19000lbs



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)

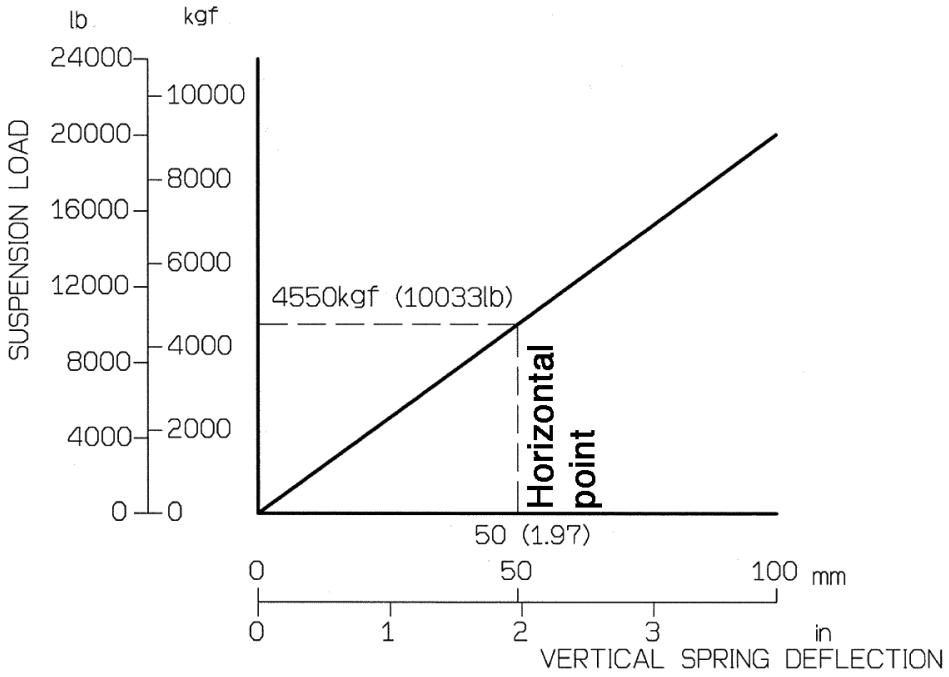
MODEL : NE (OPT, WITH HELPER SPRING)
K : 75.9kgf/mm (4.250lb/in.)
CAPACITY : 19000lbs



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)

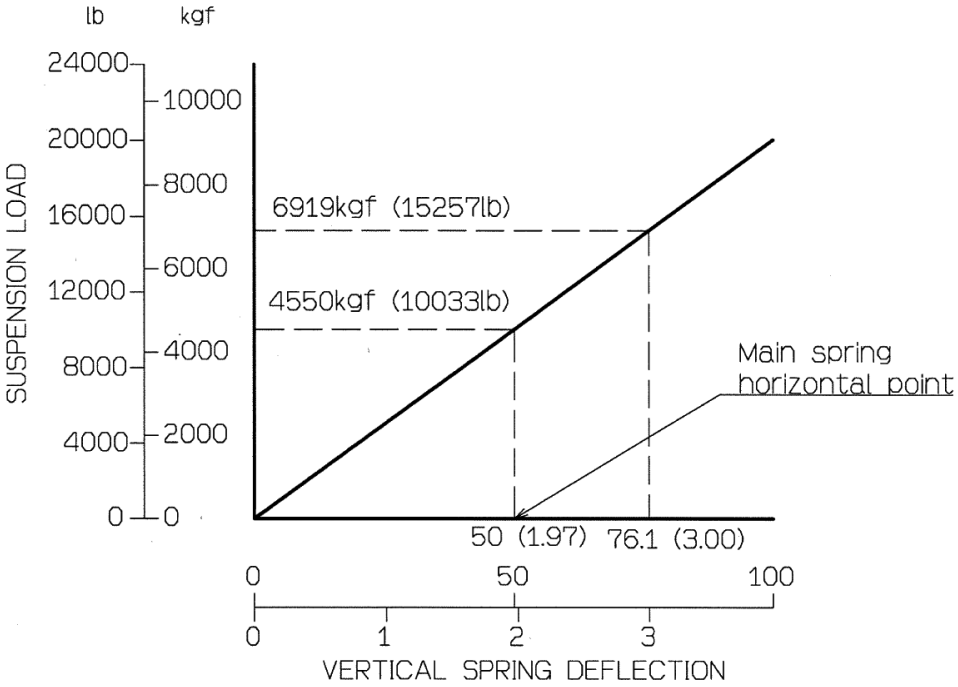
MODEL : NF (STD, WITHOUT HELPER SPRING)
K : 90.9kgf/mm (5.090lb/in.)
CAPACITY : 21000lbs



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



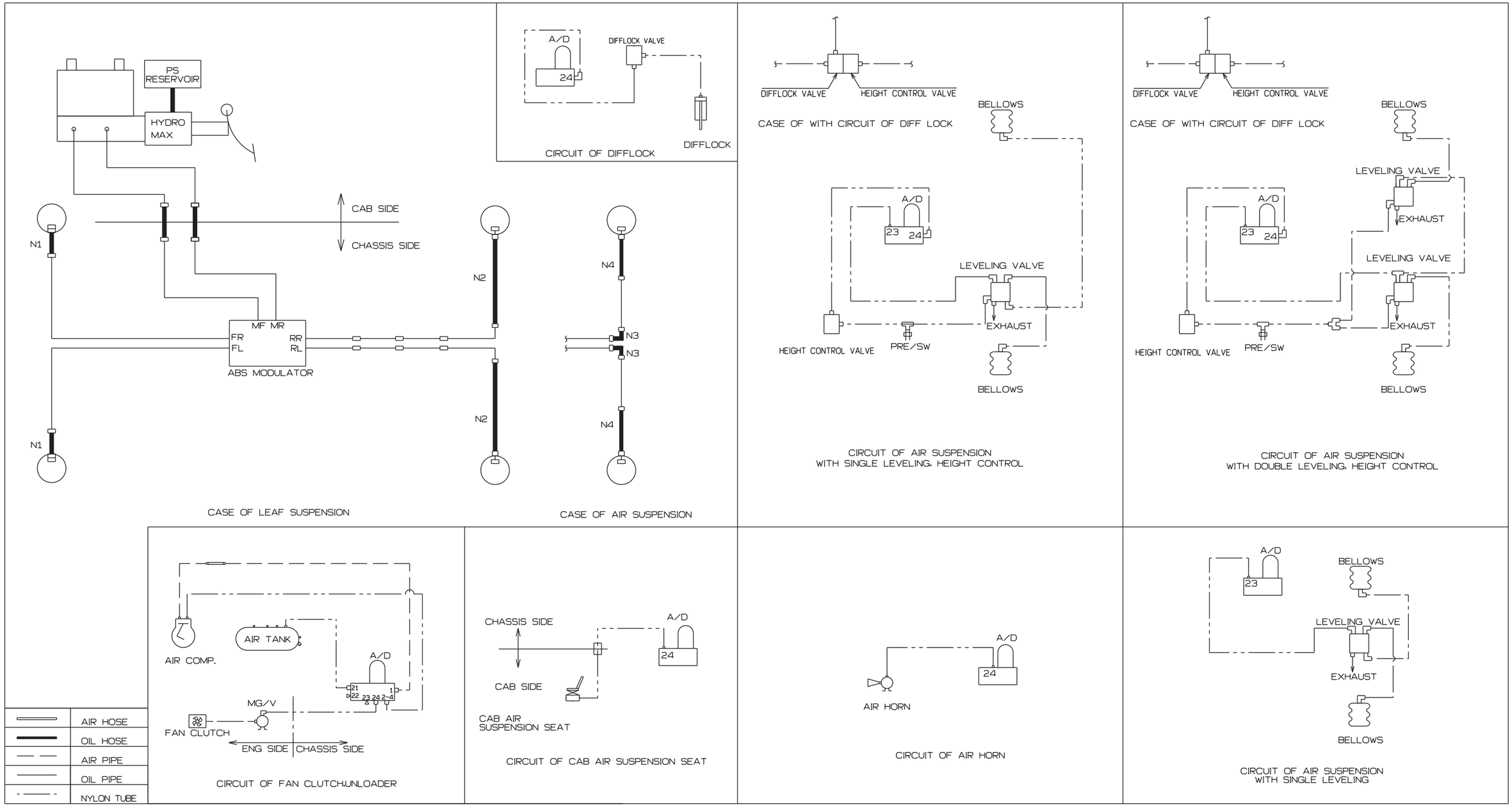
Unit : kgf (lb), mm (in)

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)

2. BRAKE PIPING DIAGRAM

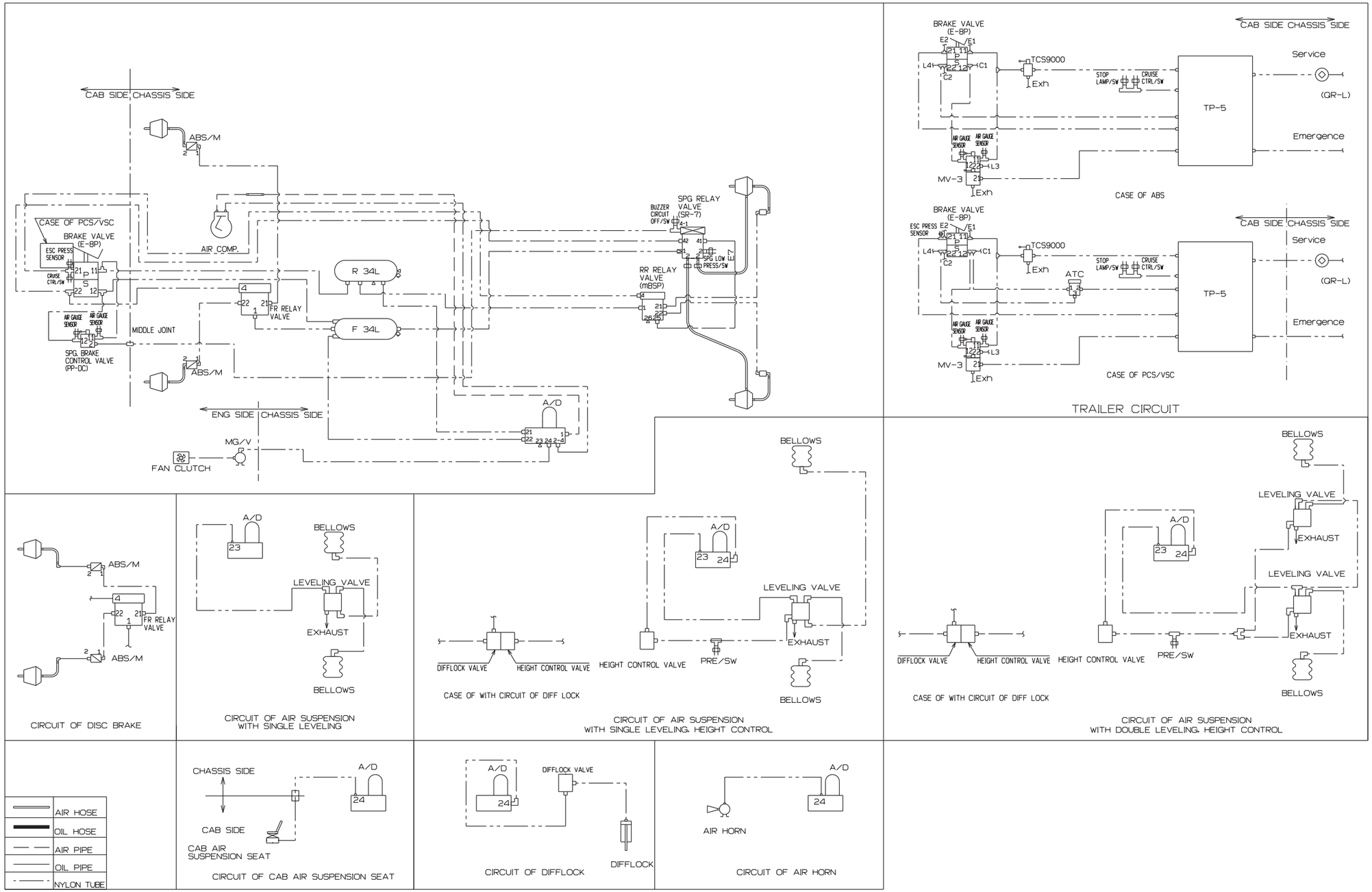
• MODEL : NE, NF

< HYDRO BRAKE >



• **MODEL : NJ, NV AND NH**

< FULL AIR BRAKE >



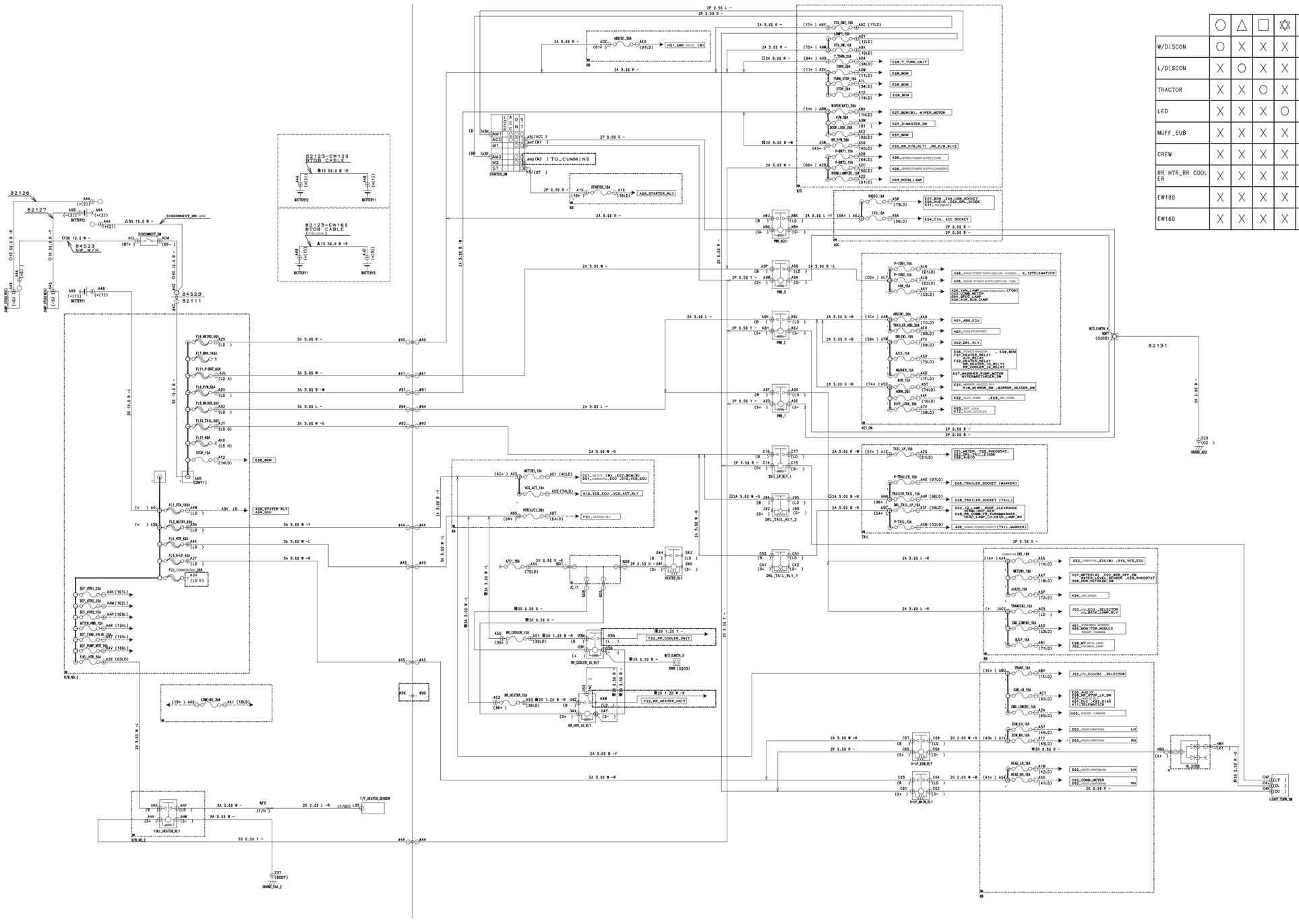
3. ELECTRIC WIRING DIAGRAM

The Table of Circuit Name

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

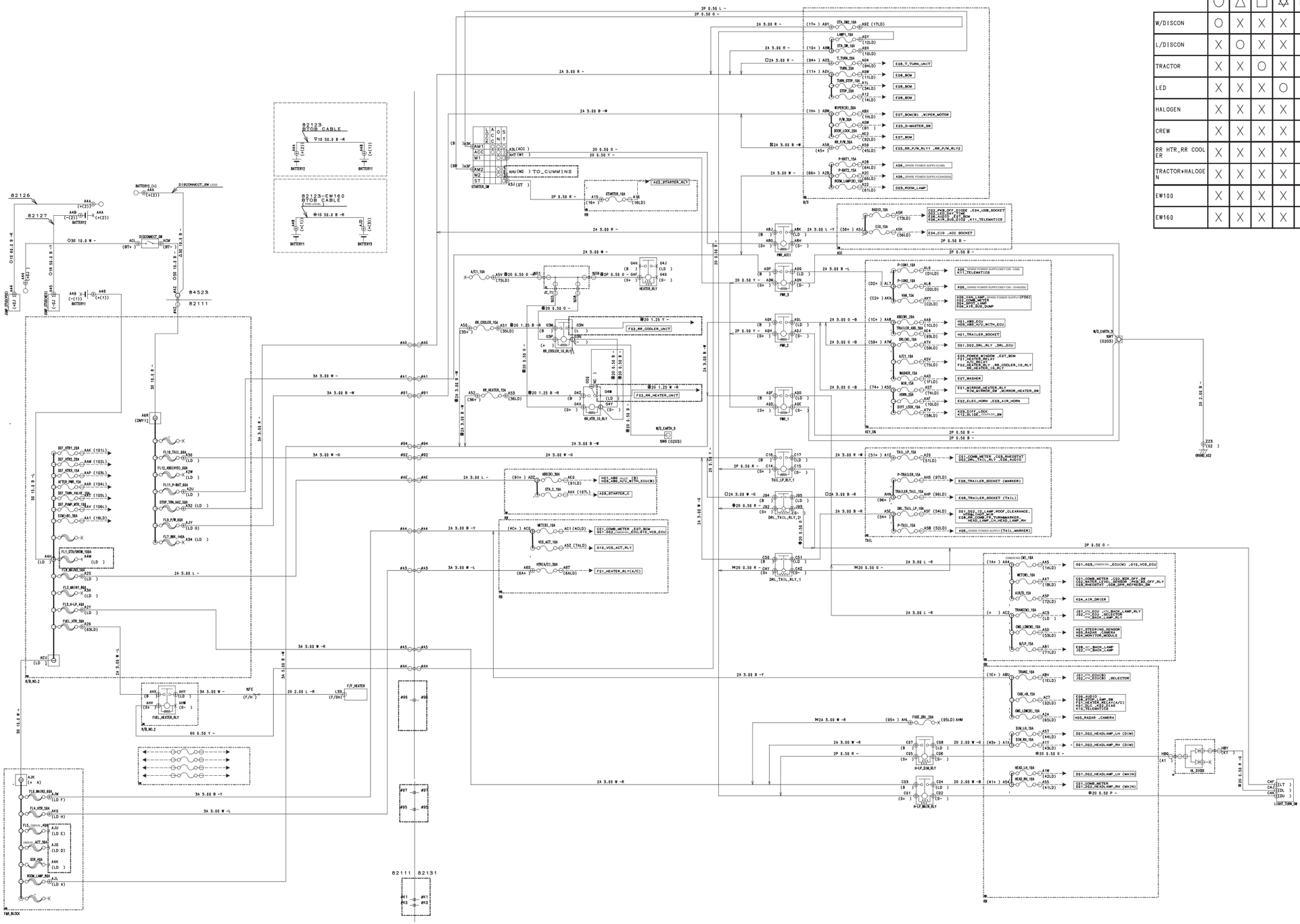
[NOTE] 1) There are all the specifications included options.
2) When you use these electrical diagrams, please understand the vehicle specifications.

1. POWER SUPPLY CIRCUIT XL SERIES



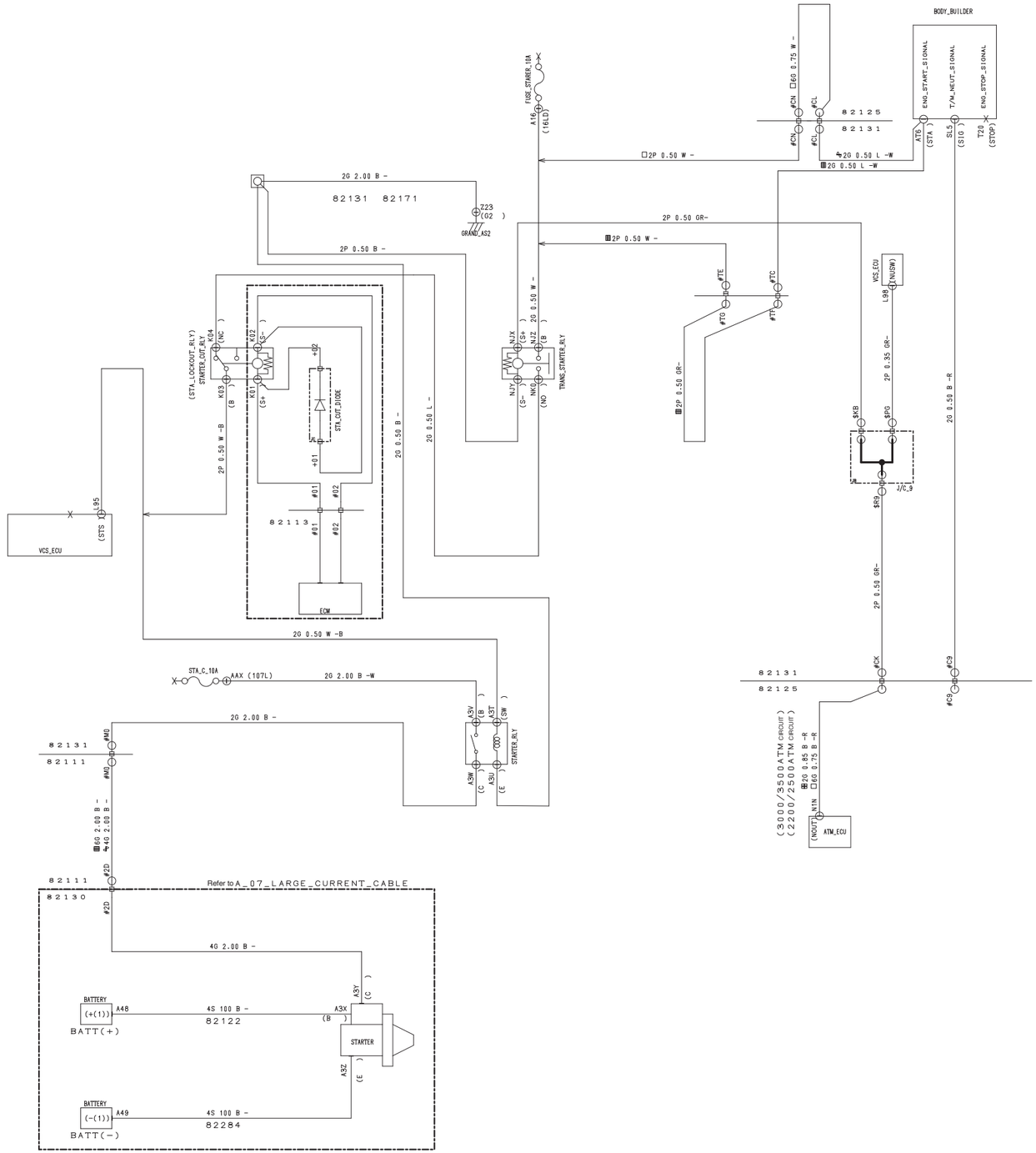
	○	△	□	✡	◪	⊠	⊞	⊕	◮
W/DISCON	○	X	X	X	X	X	X	X	X
L/DISCON	X	○	X	X	X	X	X	X	X
TRACTOR	X	X	○	X	X	X	X	X	X
LED	X	X	X	○	X	X	X	X	X
MUFF_SUB	X	X	X	X	○	X	X	X	X
CREW	X	X	X	X	X	○	X	X	X
RR HTR_RR COOLER	X	X	X	X	X	X	○	X	X
EW100	X	X	X	X	X	X	X	○	X
EW160	X	X	X	X	X	X	X	X	○

2. POWER SUPPLY CIRCUIT L SERIES



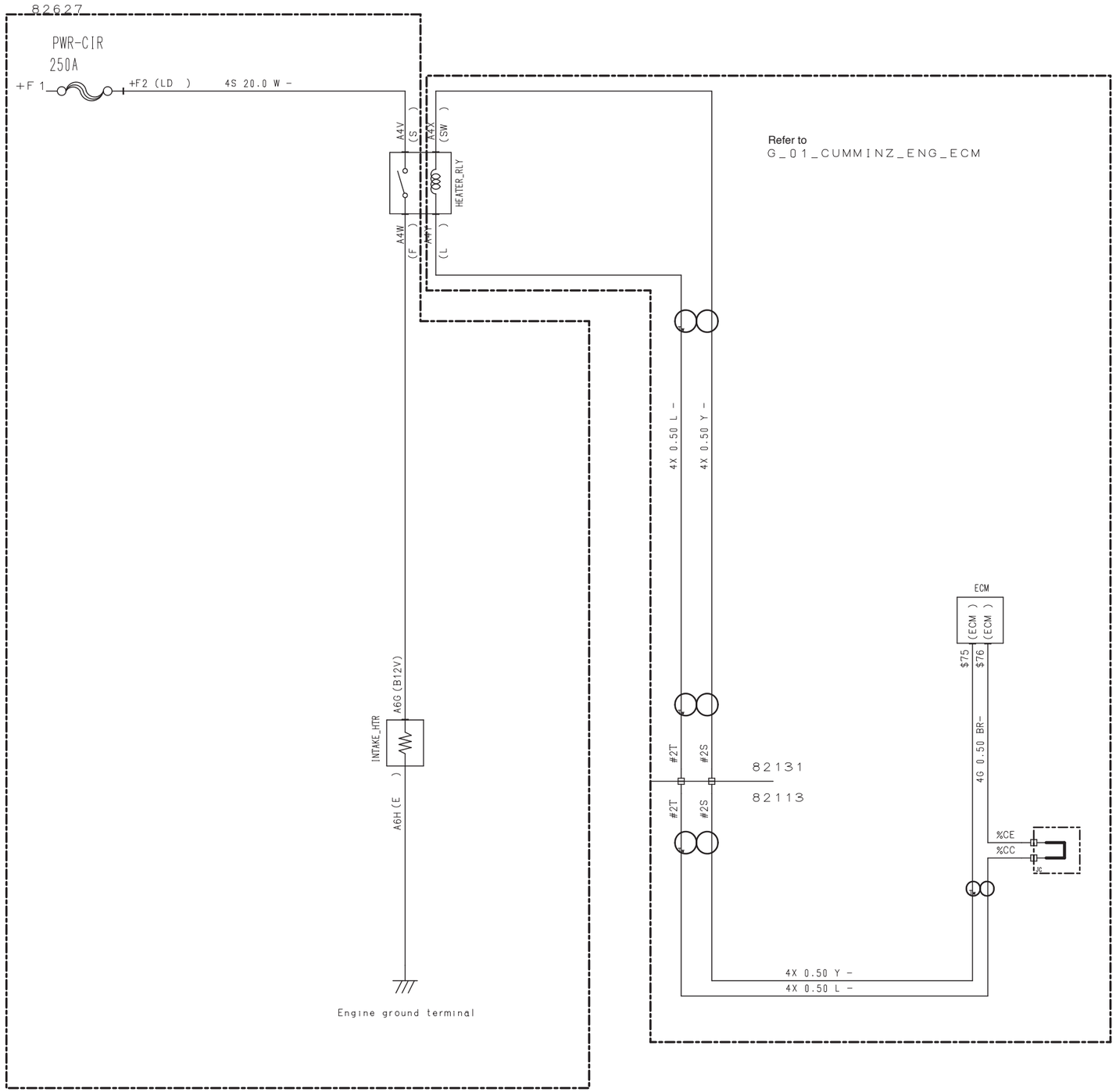
	○	△	□	✡	⋈	⊠	⊞	⊕	▽	⊖
W/DISCON	○	X	X	X	X	X	X	X	X	X
L/DISCON	X	○	X	X	X	X	X	X	X	X
TRACTOR	X	X	○	X	X	X	X	X	X	X
LED	X	X	X	○	X	X	X	X	X	X
HALOGEN	X	X	X	X	○	X	X	X	X	X
CREW	X	X	X	X	X	○	X	X	X	X
RR HTR_RR COOLER	X	X	X	X	X	X	○	X	X	X
TRACTOR*HALOGEN	X	X	X	X	X	X	X	○	X	X
EW100	X	X	X	X	X	X	X	X	○	X
EW160	X	X	X	X	X	X	X	X	X	○

3. STARTING CIRCUIT

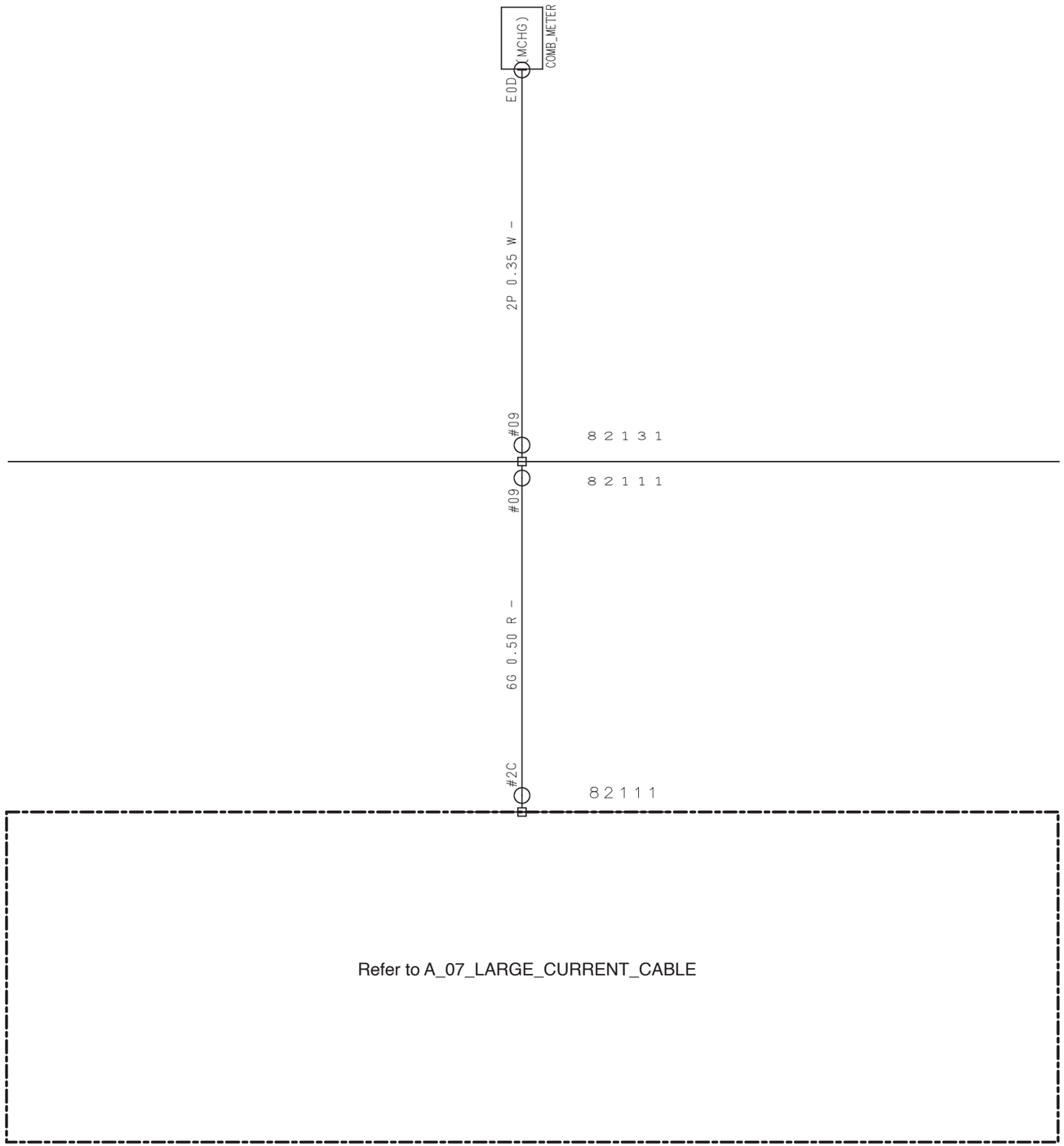


L SERIES	○	X	X	X	X
XL SERIES	X	○	X	X	X
BODY_BUILDER	X	X	○	X	X
XL SERIES	X	X	X	○	X
L SERIES	X	X	X	X	○

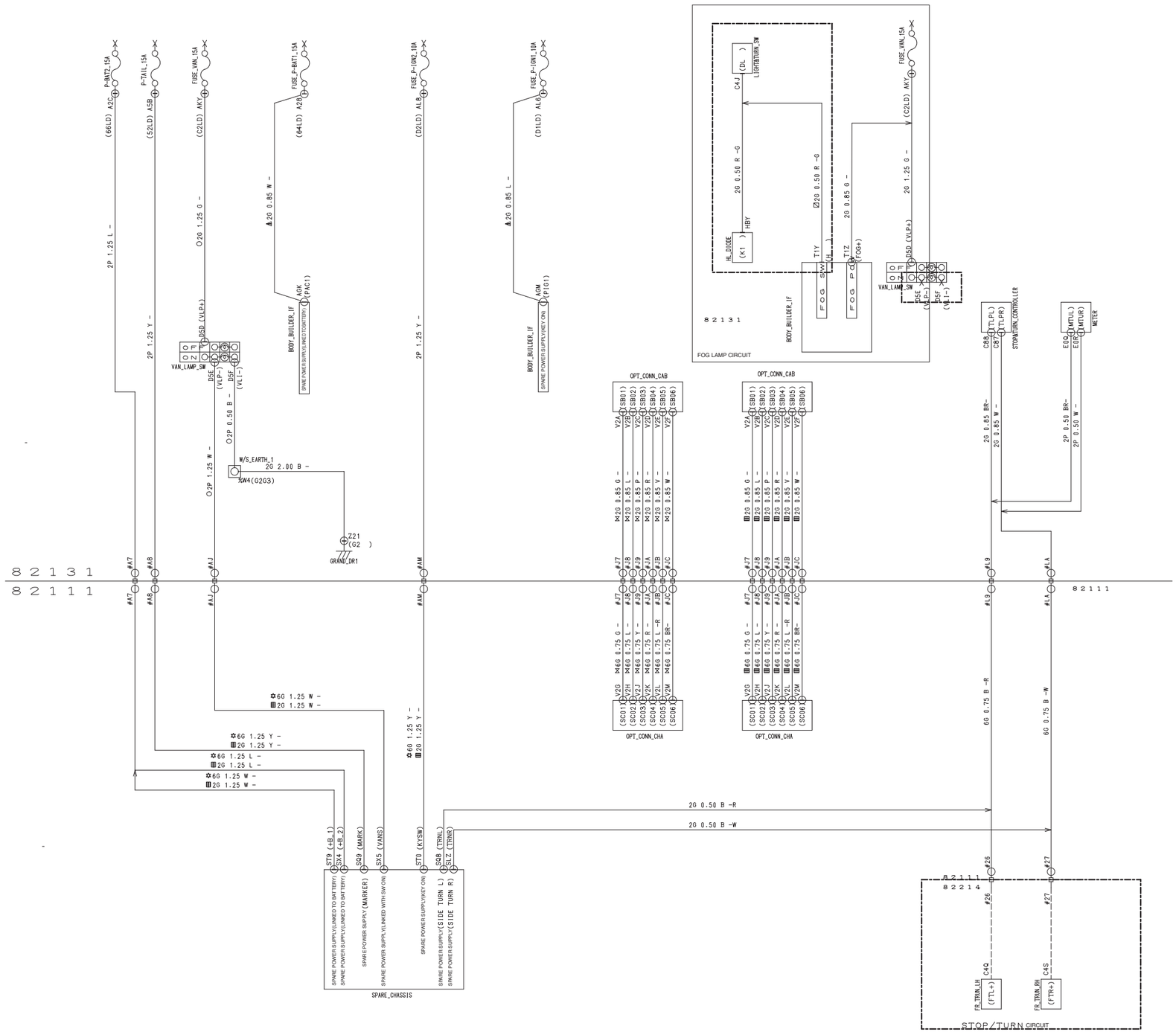
4. PRE-HEAT CIRCUIT



5. CHARGING CIRCUIT

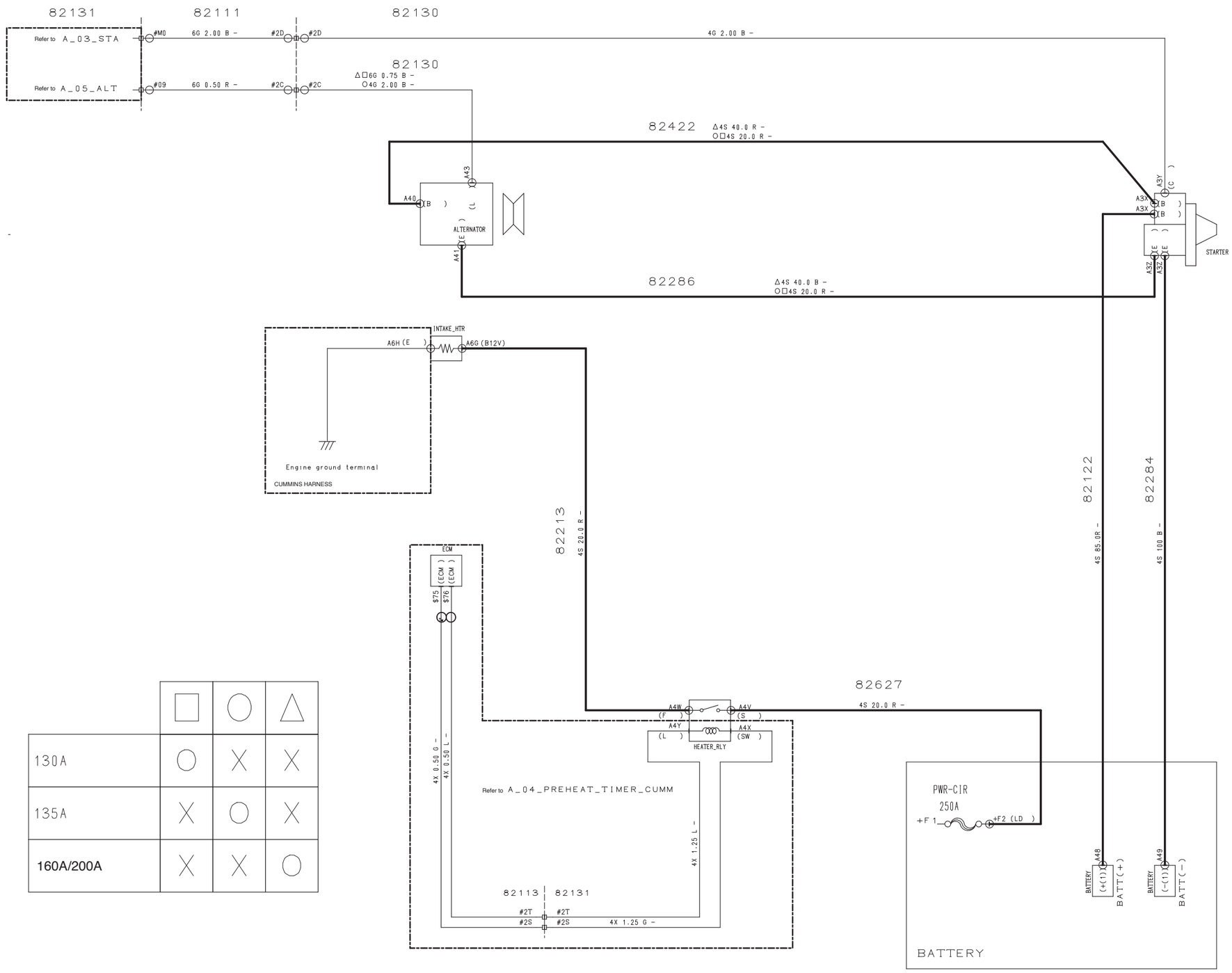


6. SPARE POWER SUPPLY CIRCUIT & FOG LAMP CIRCUIT



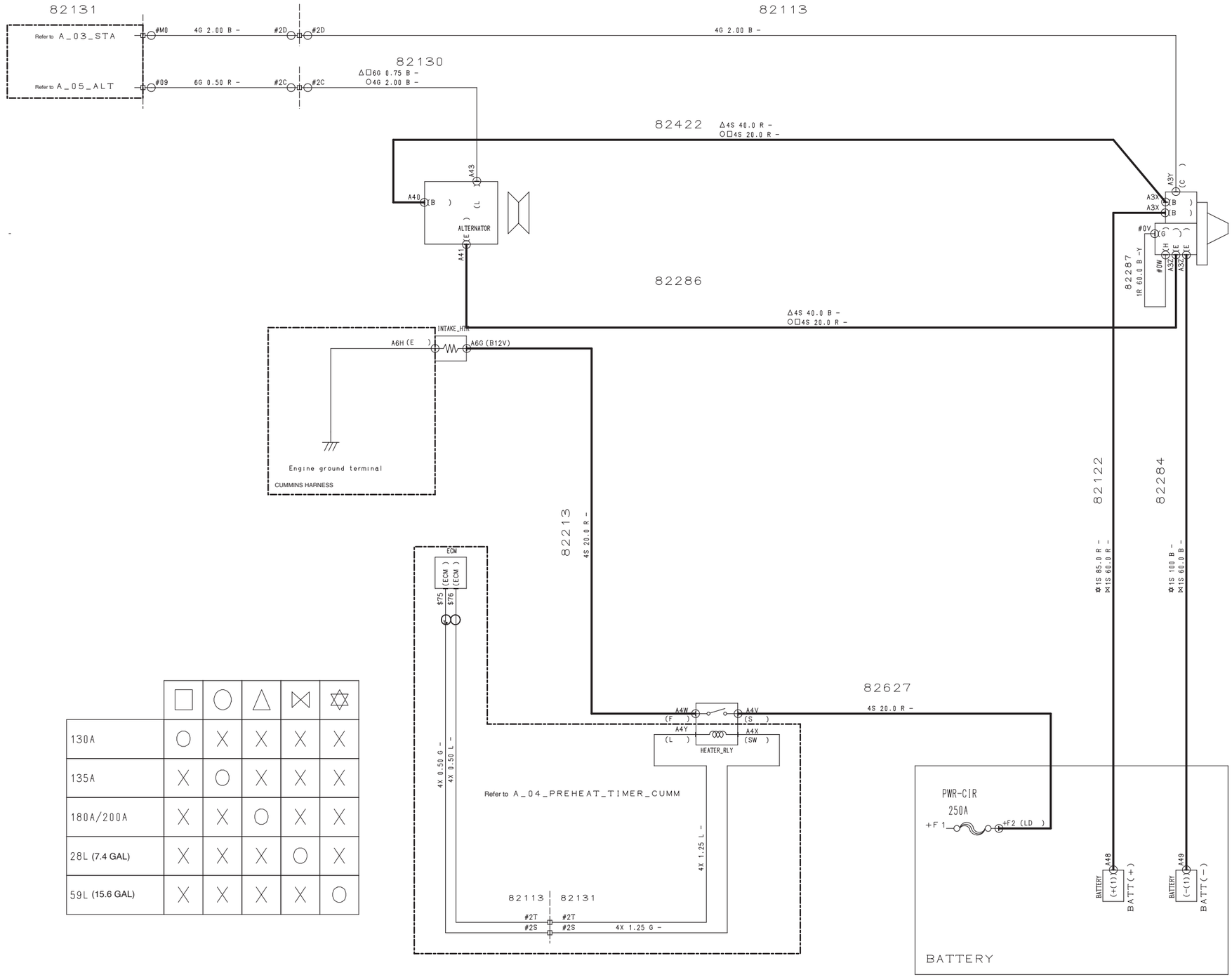
	○	⋈	✡	▥	▨	⚠
VAN_LP	○	X	X	X	X	X
XL SERIES★TRACK	X	○	X	X	X	X
XL SERIES	X	X	○	X	X	X
L SERIES	X	X	X	○	X	X
TRACK	X	X	X	X	○	X
ALL MODEL	X	X	X	X	X	○

7. LARGE CURRENT CABLE CIRCUIT L SERIES



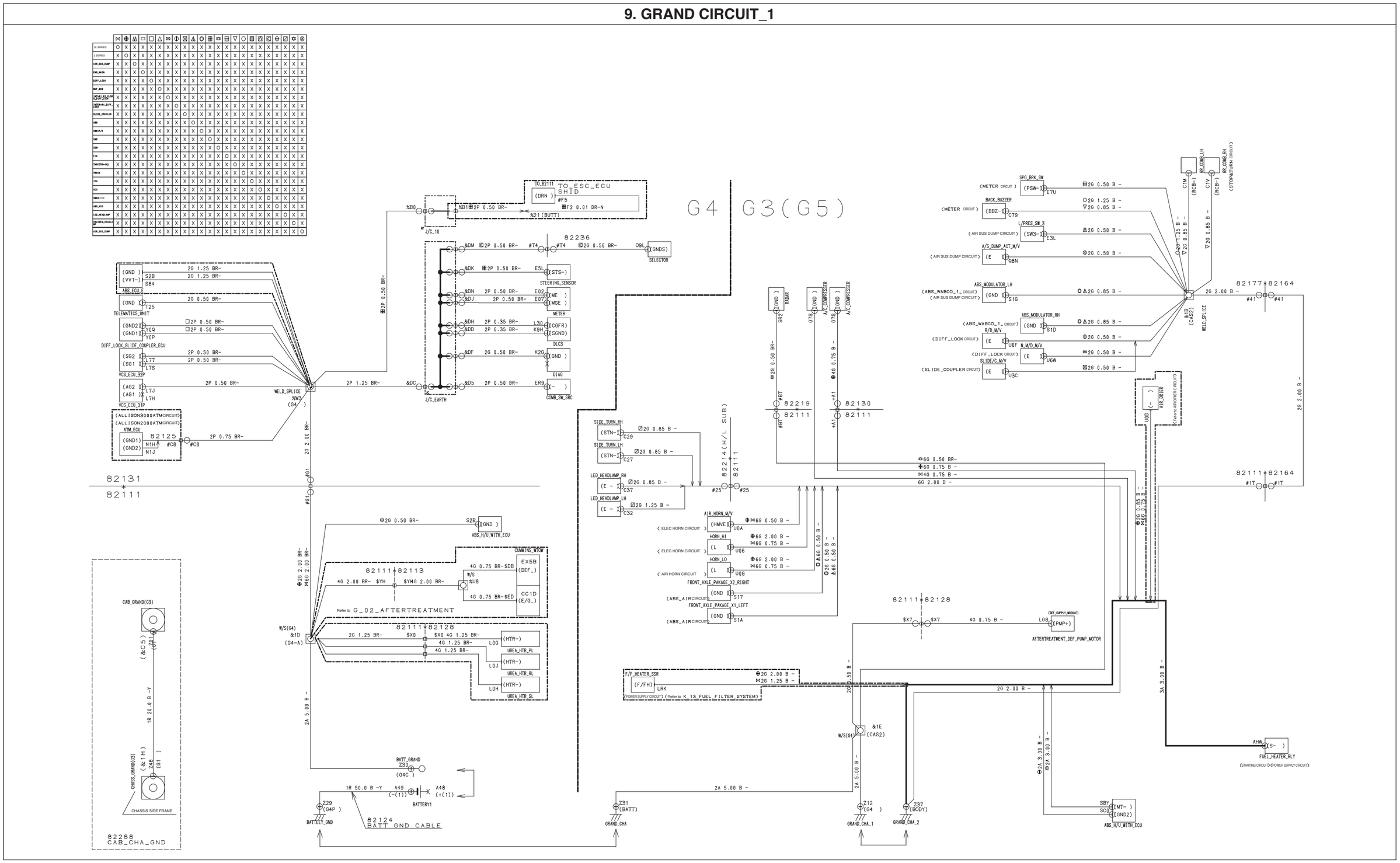
	□	○	△
130A	○	X	X
135A	X	○	X
160A/200A	X	X	○

8. LARGE CURRENT CABLE CIRCUIT XL SERIES

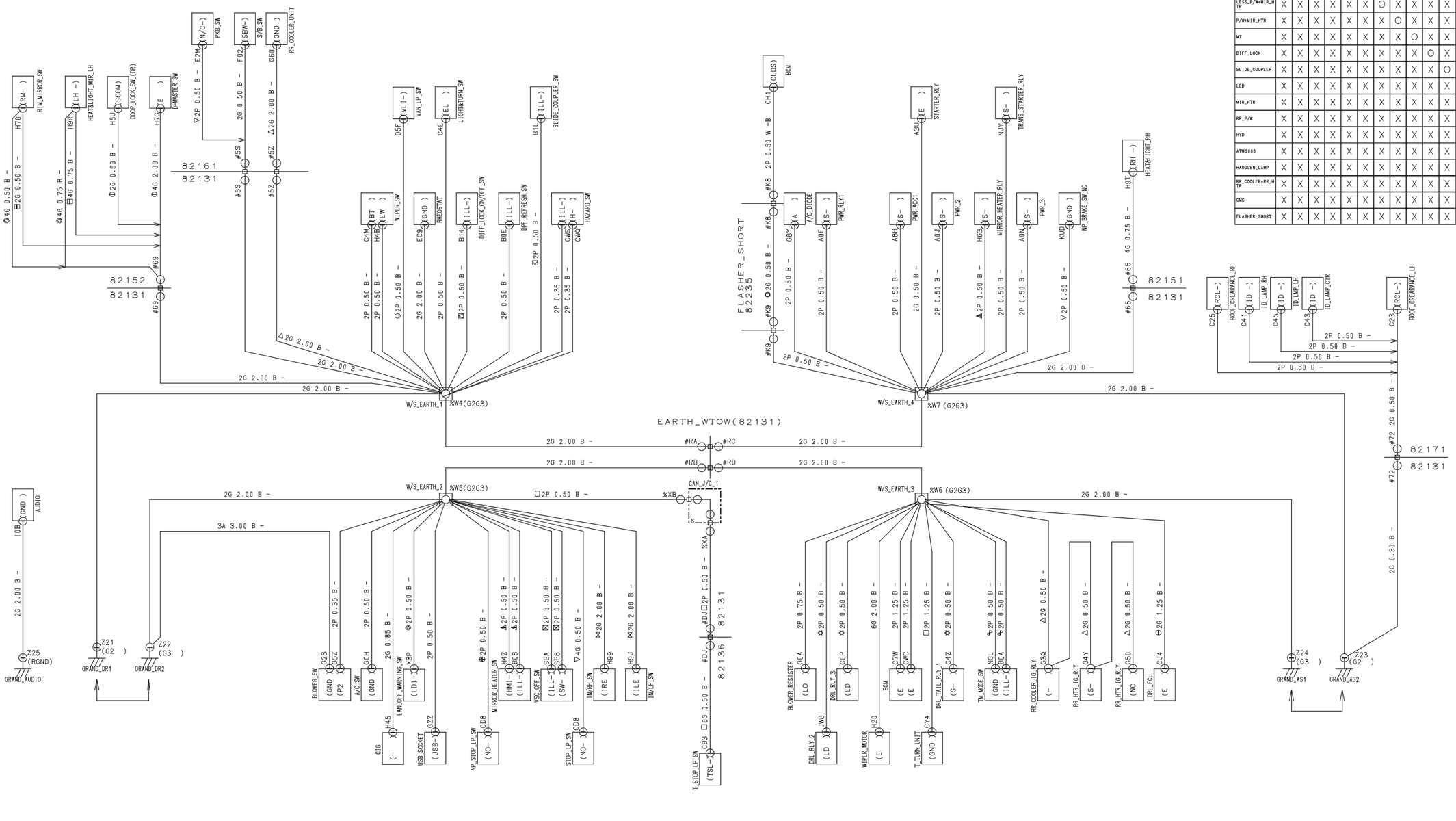


	□	○	△	⋈	✡
130A	○	X	X	X	X
135A	X	○	X	X	X
180A/200A	X	X	○	X	X
28L (7.4 GAL)	X	X	X	○	X
59L (15.6 GAL)	X	X	X	X	○

9. GRAND CIRCUIT_1

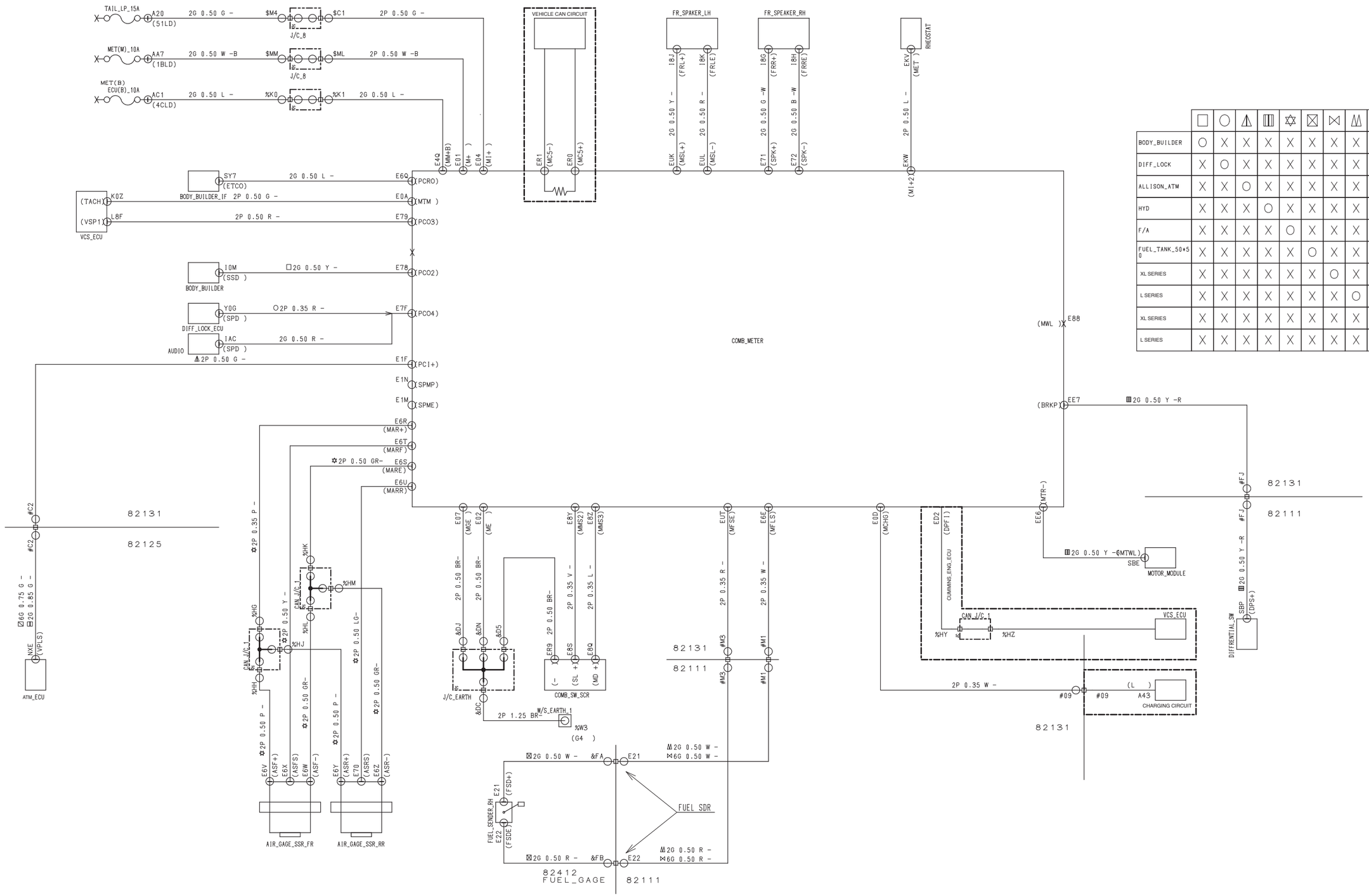


10. GRAND CIRCUIT_2



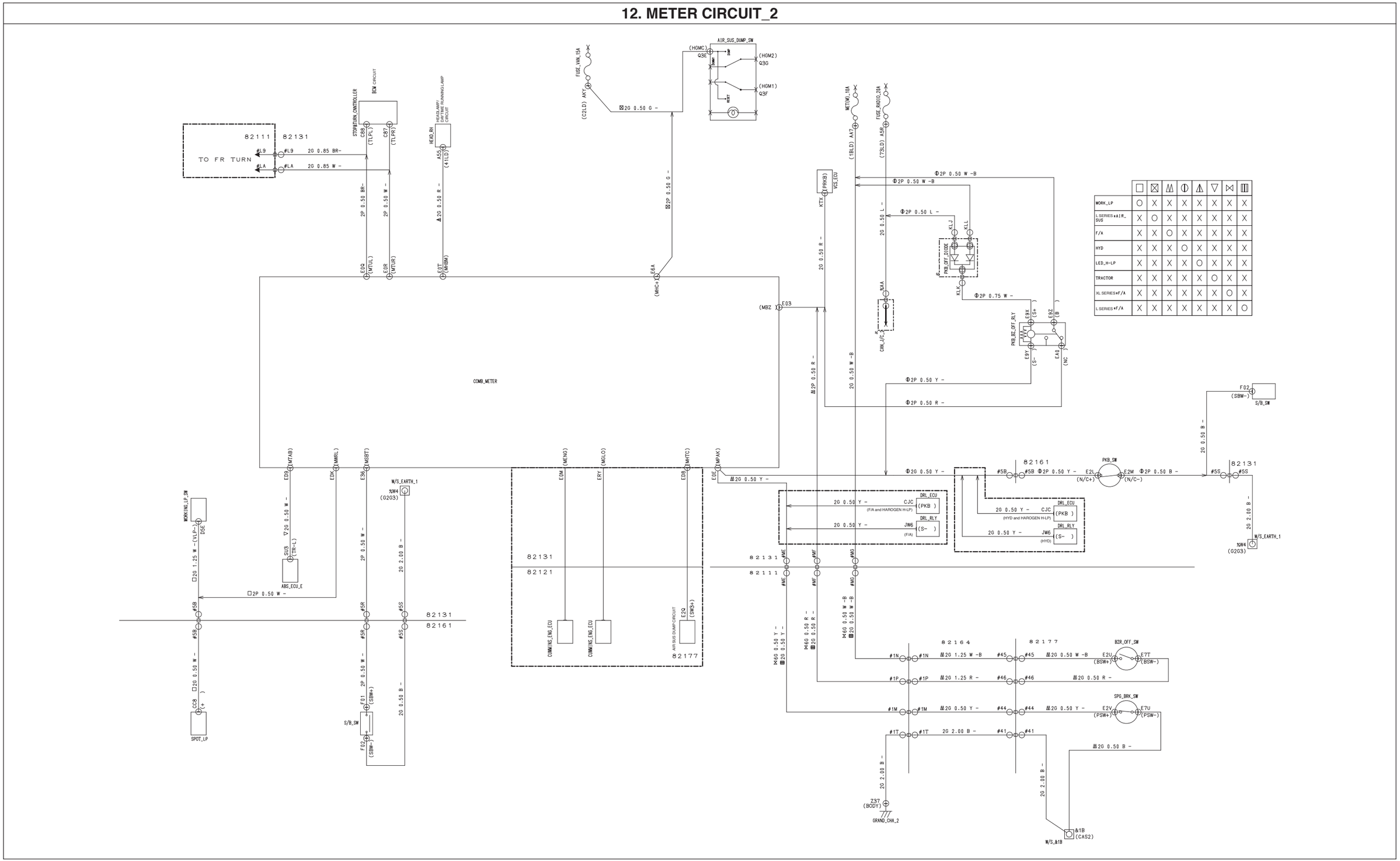
	⊕	⦶	□	⊠	○	◪	⊘	⊟	▥	⧄	⧅	✡	⚠	⋈	▽	⚢	⊖	△	◎	⦶
F/A+L/CFS	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
P/W	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TRACTOR	X	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ABS+CMS	X	X	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VAN_LP	X	X	X	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SPOT_LP	X	X	X	X	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LESS_P/W+MIR_HTR	X	X	X	X	X	X	○	X	X	X	X	X	X	X	X	X	X	X	X	X
P/W+MIR_HTR	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
DIFF_LOCK	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
LED	X	X	X	X	X	X	X	X	X	X	X	○	X	X	X	X	X	X	X	X
MIR_HTR	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
HYD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	○	X	X	X	X	X
ATM2000	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	○	X	X	X	X
HARDGEN_LAMP	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
CMS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	○	X
FLASHER_SHORT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	○

11. METER CIRCUIT_1



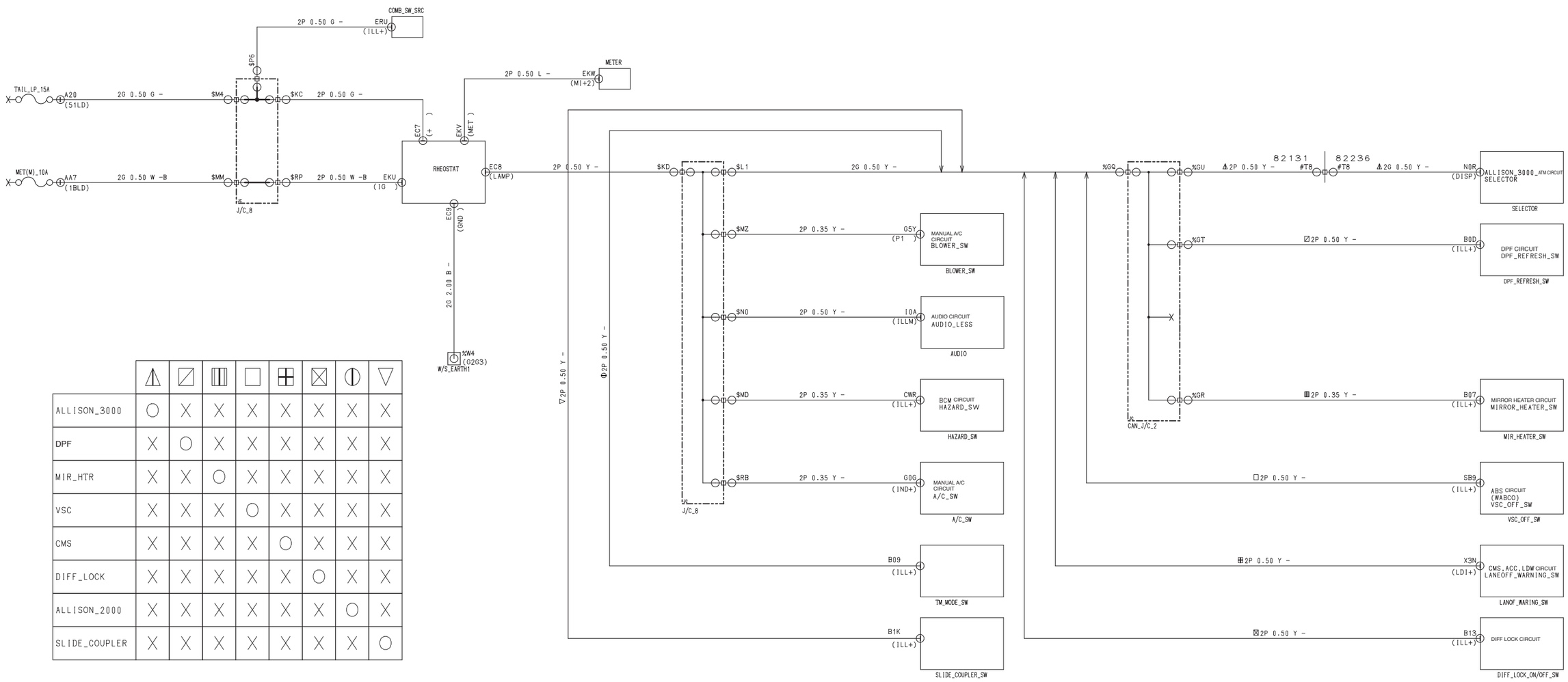
	□	○	△	▥	✡	⊠	⋈	⚠	◪	⊟
BODY_BUILDER	○	X	X	X	X	X	X	X	X	X
DIFF_LOCK	X	○	X	X	X	X	X	X	X	X
ALLISON_ATM	X	X	○	X	X	X	X	X	X	X
HYD	X	X	X	○	X	X	X	X	X	X
F/A	X	X	X	X	○	X	X	X	X	X
FUEL_TANK_50*50	X	X	X	X	X	○	X	X	X	X
XL SERIES	X	X	X	X	X	X	○	X	X	X
L SERIES	X	X	X	X	X	X	X	○	X	X
XL SERIES	X	X	X	X	X	X	X	X	○	X
L SERIES	X	X	X	X	X	X	X	X	X	○

12. METER CIRCUIT_2



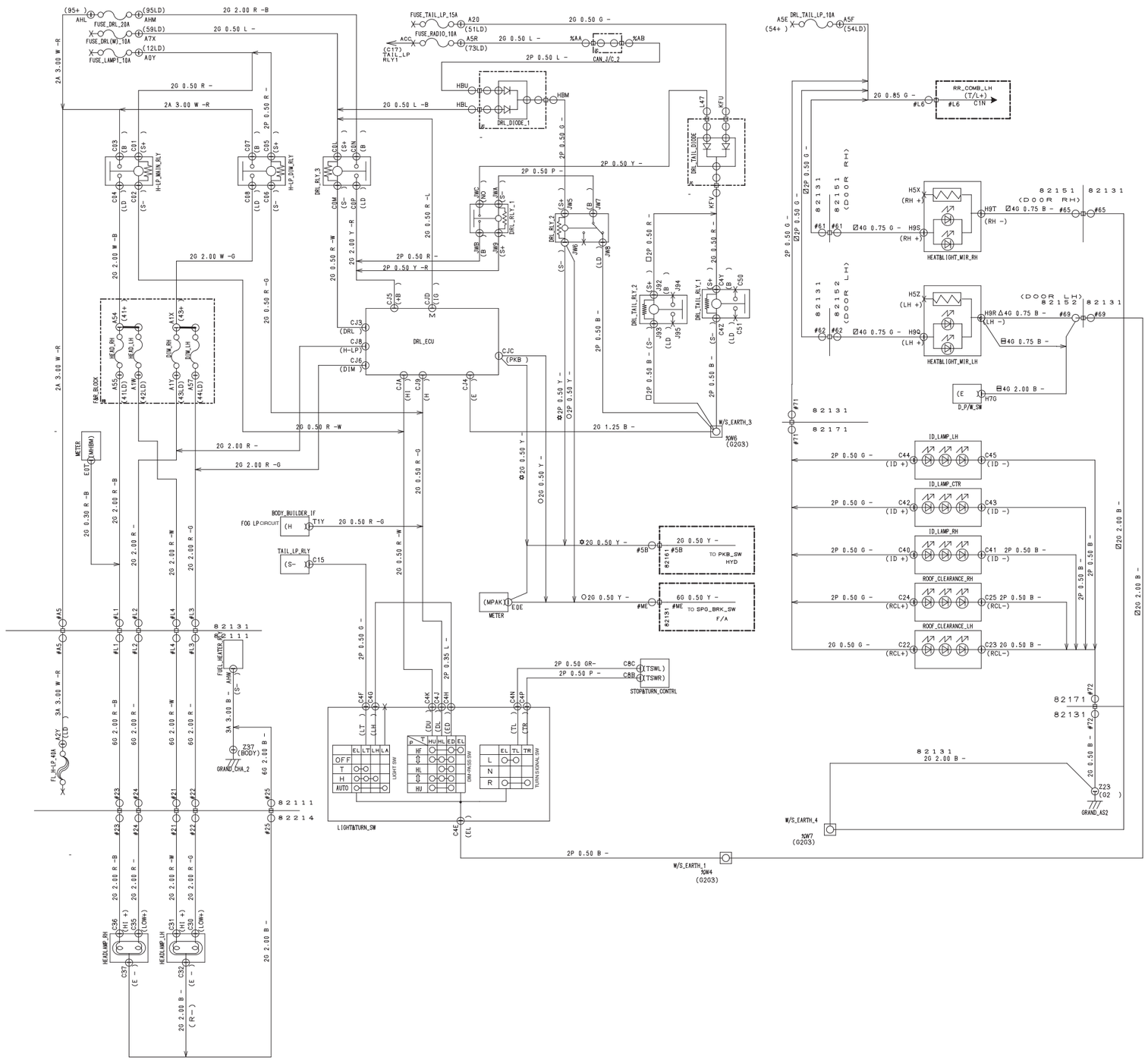
	□	⊠	⋔	⦶	⚠	▽	⋈	▥
WORK_LP	○	X	X	X	X	X	X	X
L SERIES*AIR_SUS	X	○	X	X	X	X	X	X
F/A	X	X	○	X	X	X	X	X
HYD	X	X	X	○	X	X	X	X
LED_H-LP	X	X	X	X	○	X	X	X
TRACTOR	X	X	X	X	X	○	X	X
XL SERIES*F/A	X	X	X	X	X	X	○	X
L SERIES*F/A	X	X	X	X	X	X	X	○

13. RHEOSTAT CIRCUIT



	⚠	⊘	▥	□	⊞	⊠	◐	▽
ALLISON_3000	○	X	X	X	X	X	X	X
DPF	X	○	X	X	X	X	X	X
MIR_HTR	X	X	○	X	X	X	X	X
VSC	X	X	X	○	X	X	X	X
CMS	X	X	X	X	○	X	X	X
DIFF_LOCK	X	X	X	X	X	○	X	X
ALLISON_2000	X	X	X	X	X	X	○	X
SLIDE_COUPLER	X	X	X	X	X	X	X	○

14. HALOGEN HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT

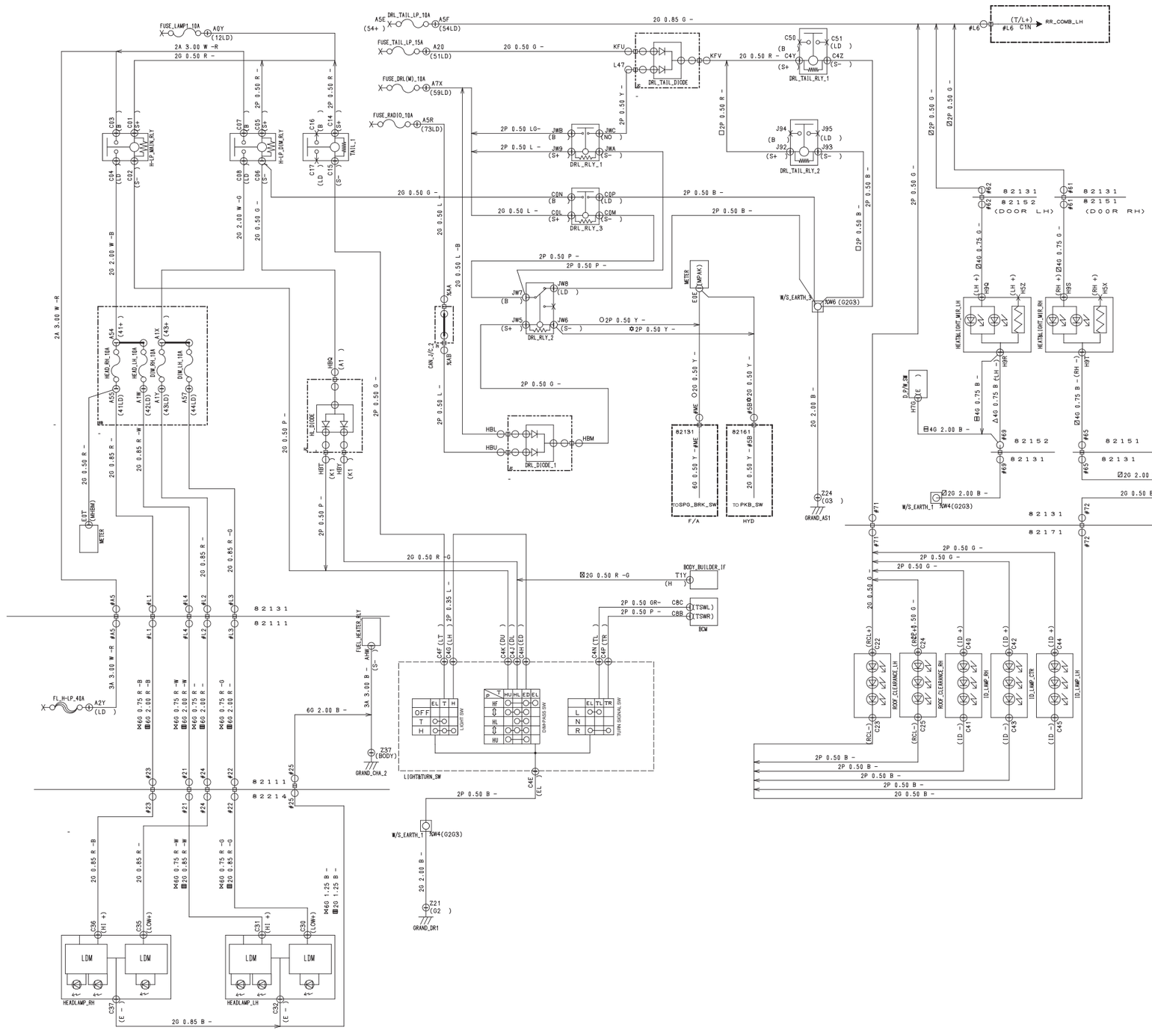


	⊟	△	○	✡	□	◪
P/W	○	X	X	X	X	X
L/P/W	X	○	X	X	X	X
F/A	X	X	○	X	X	X
HYD	X	X	X	○	X	X
TRACTOR	X	X	X	X	○	X
W/RIM_HTR	X	X	X	X	X	○

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

15. LED HEAD LAMP & DAY TIME RUNNING LAMP CIRCUIT

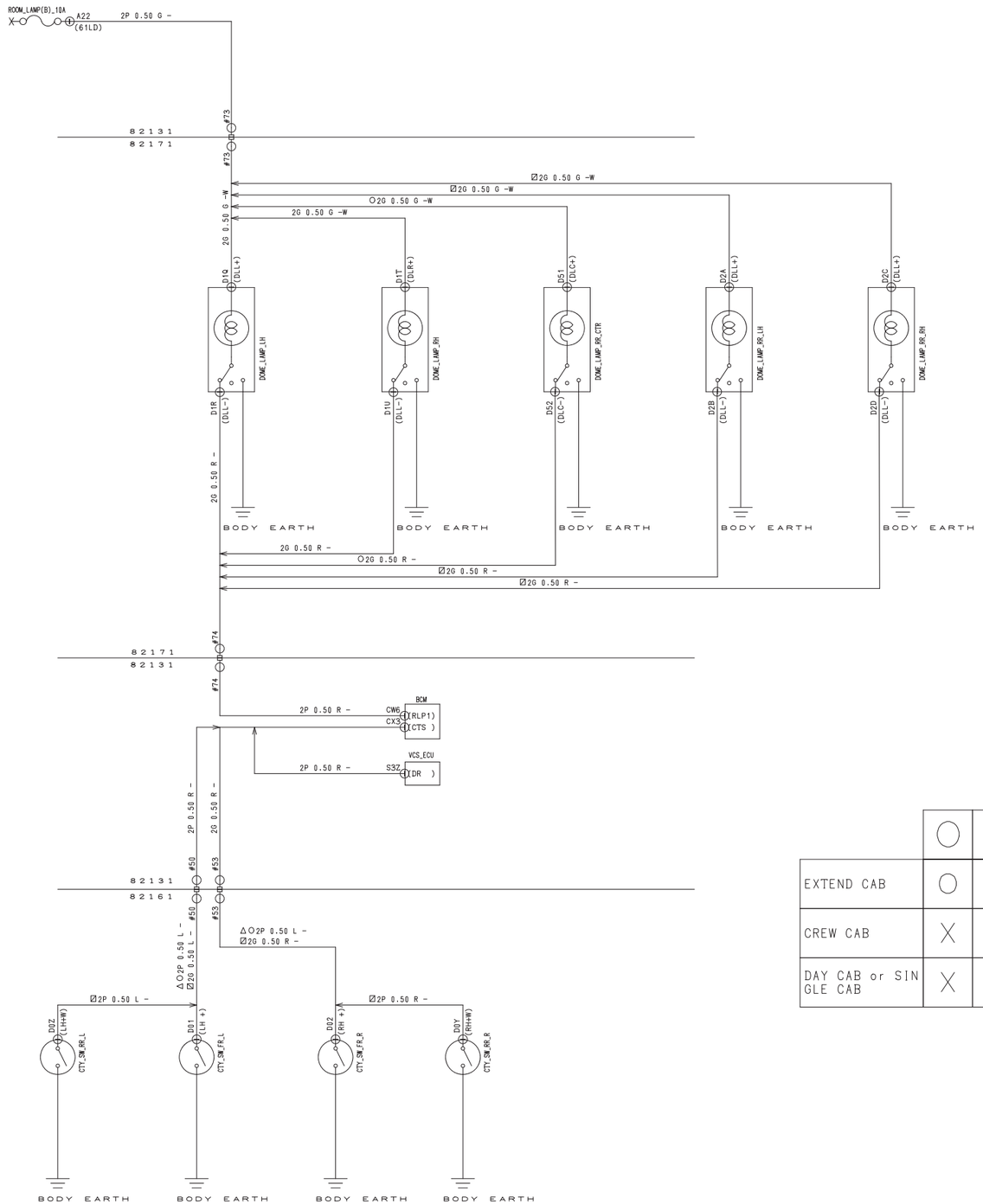


	⊟	△	□	⊠	○	✡	⋈	▥	▨
P/W	○	X	X	X	X	X	X	X	X
L/P/W	X	○	X	X	X	X	X	X	X
TRACTOR	X	X	○	X	X	X	X	X	X
TRACK	X	X	X	○	X	X	X	X	X
F/A	X	X	X	X	○	X	X	X	X
HYD	X	X	X	X	X	○	X	X	X
XL SERIES	X	X	X	X	X	X	○	X	X
L SERIES	X	X	X	X	X	X	X	○	X
W/RIM_HTR	X	X	X	X	X	X	X	X	○

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

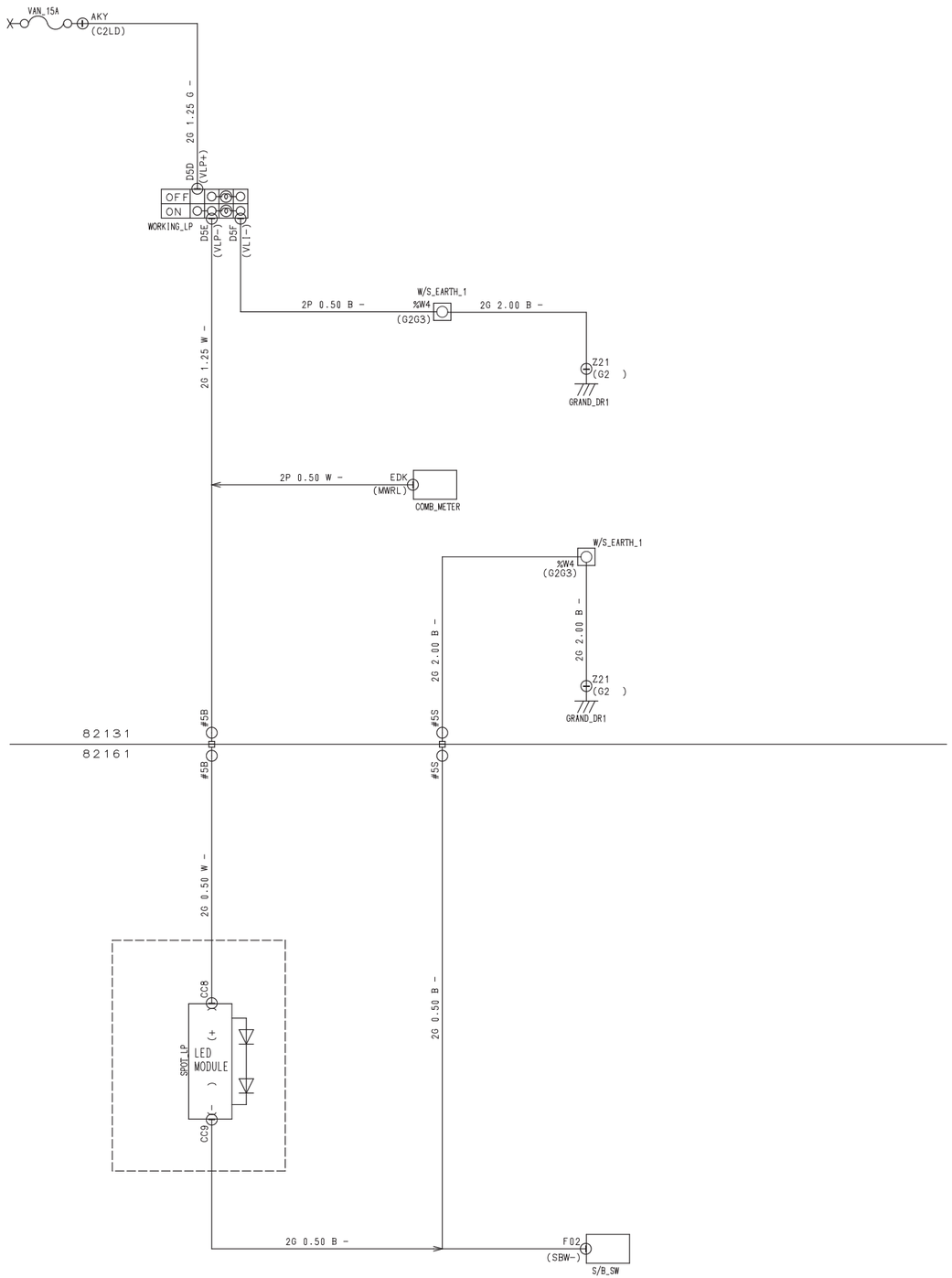
IG SW	LIGHT SW	DIM SW	LO	HI	DAYLIGHT	TAIL
OFF	OFF	LO	OFF	OFF	OFF	OFF
		HI	OFF	OFF	OFF	OFF
		PASS	OFF	OFF	OFF	OFF
	TAIL	LO	OFF	OFF	OFF	OFF
		HI	OFF	OFF	OFF	OFF
		PASS	OFF	OFF	OFF	OFF
	HEADLAMP	LO	OFF	OFF	OFF	OFF
		HI	OFF	OFF	OFF	OFF
		PASS	OFF	OFF	OFF	OFF
ON	OFF	LO	OFF	OFF	ON	OFF
		HI	OFF	OFF	ON	OFF
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

16. ROOM LAMP CIRCUIT

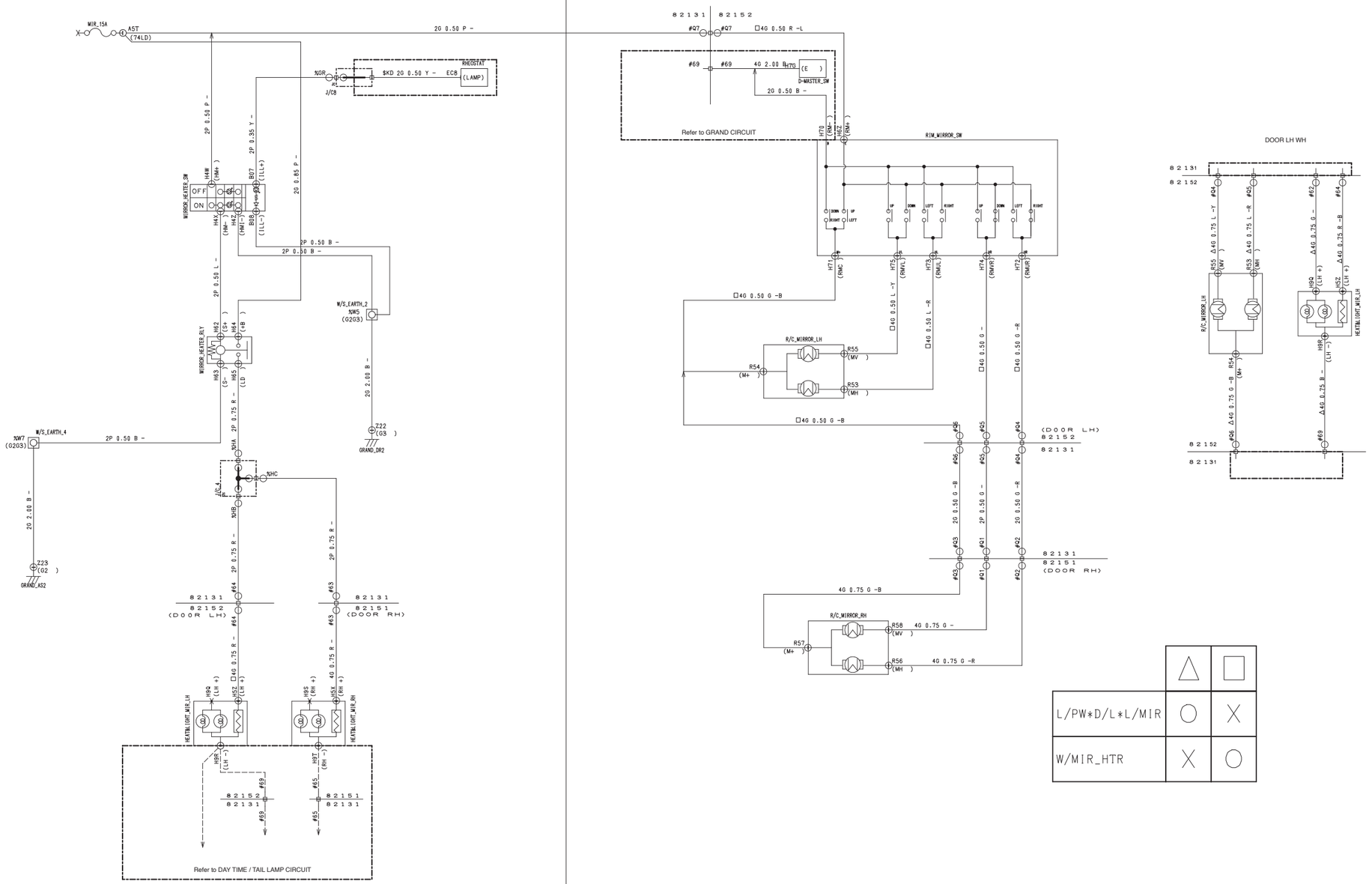


	○	⧄	△
EXTEND CAB	○	×	×
CREW CAB	×	○	×
DAY CAB or SINGLE CAB	×	×	○

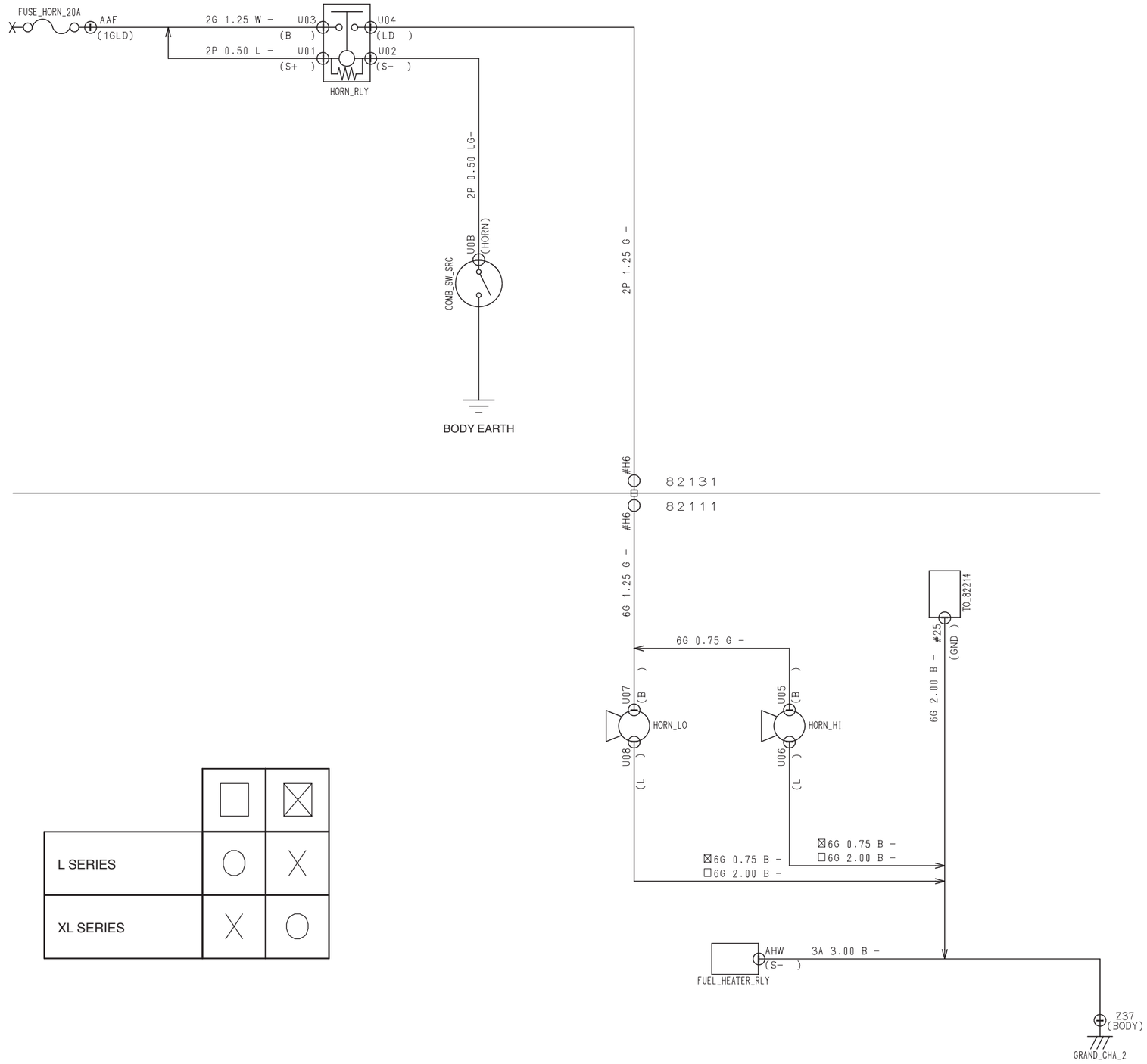
17. WORKING LAMP CIRCUIT



18. HEATING MIRROR CIRCUIT & REMOTE CONTROL MIRROR CIRCUIT

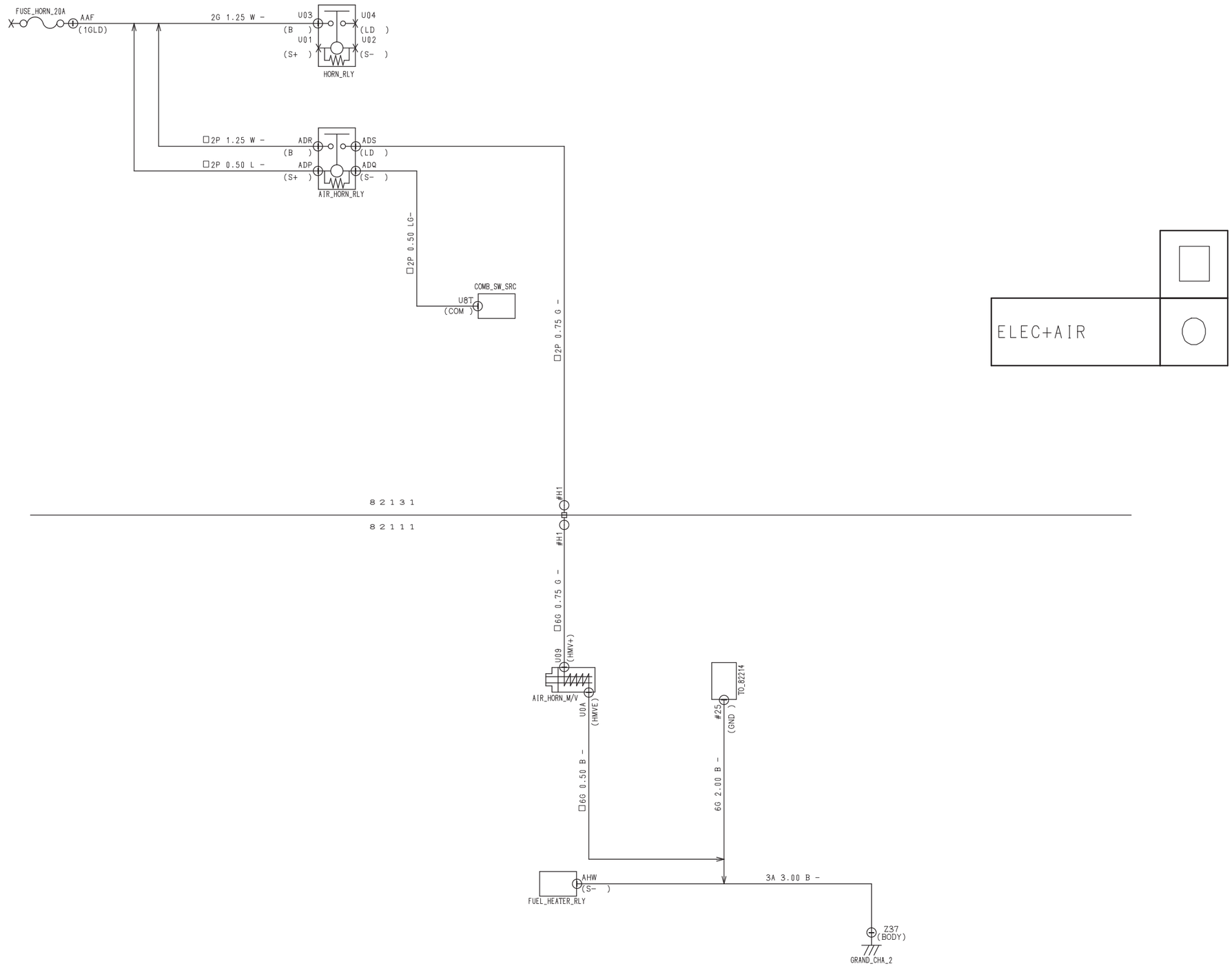


19. ELECTRICAL HORN CIRCUIT

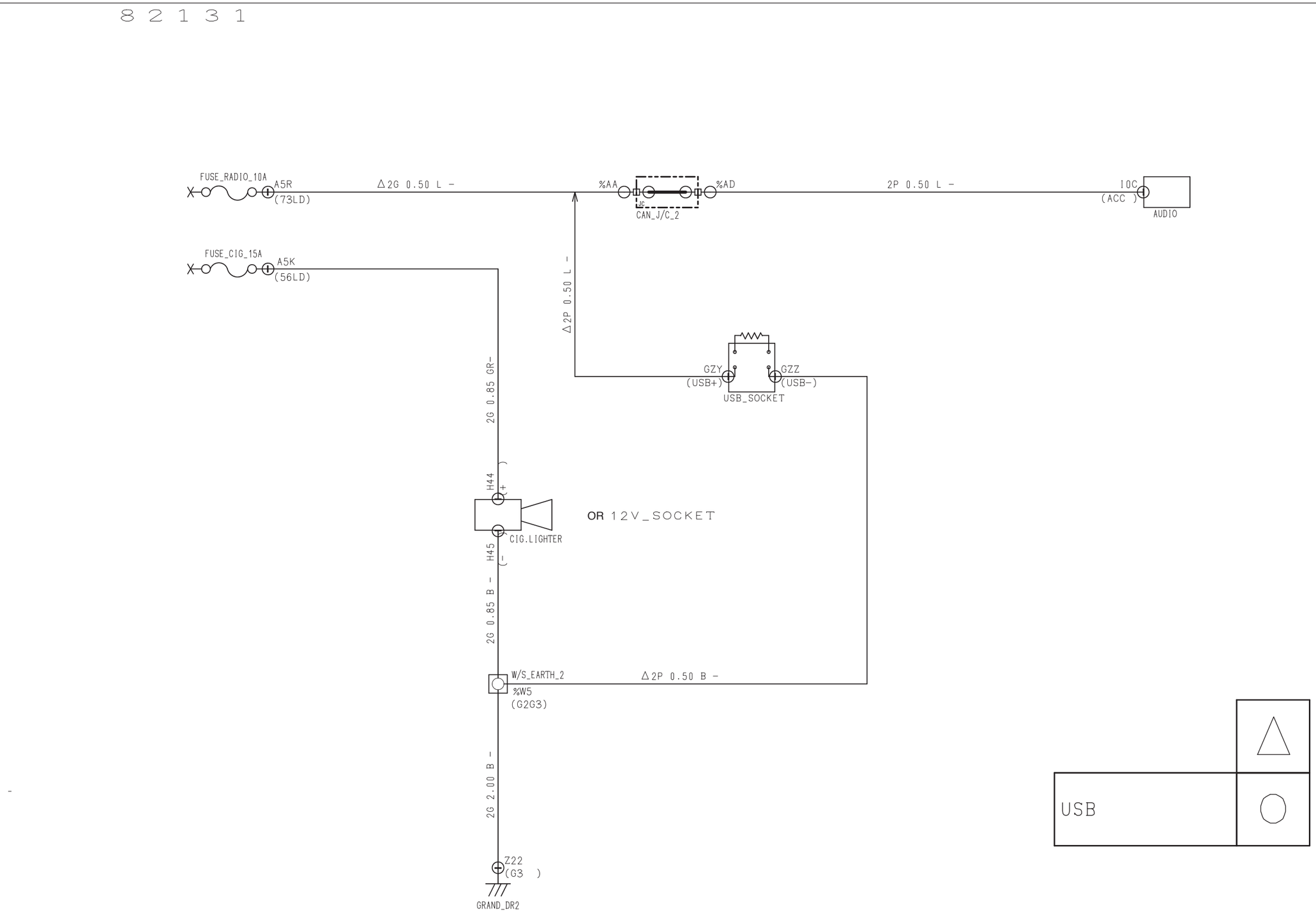


	☐	☒
L SERIES	○	X
XL SERIES	X	○

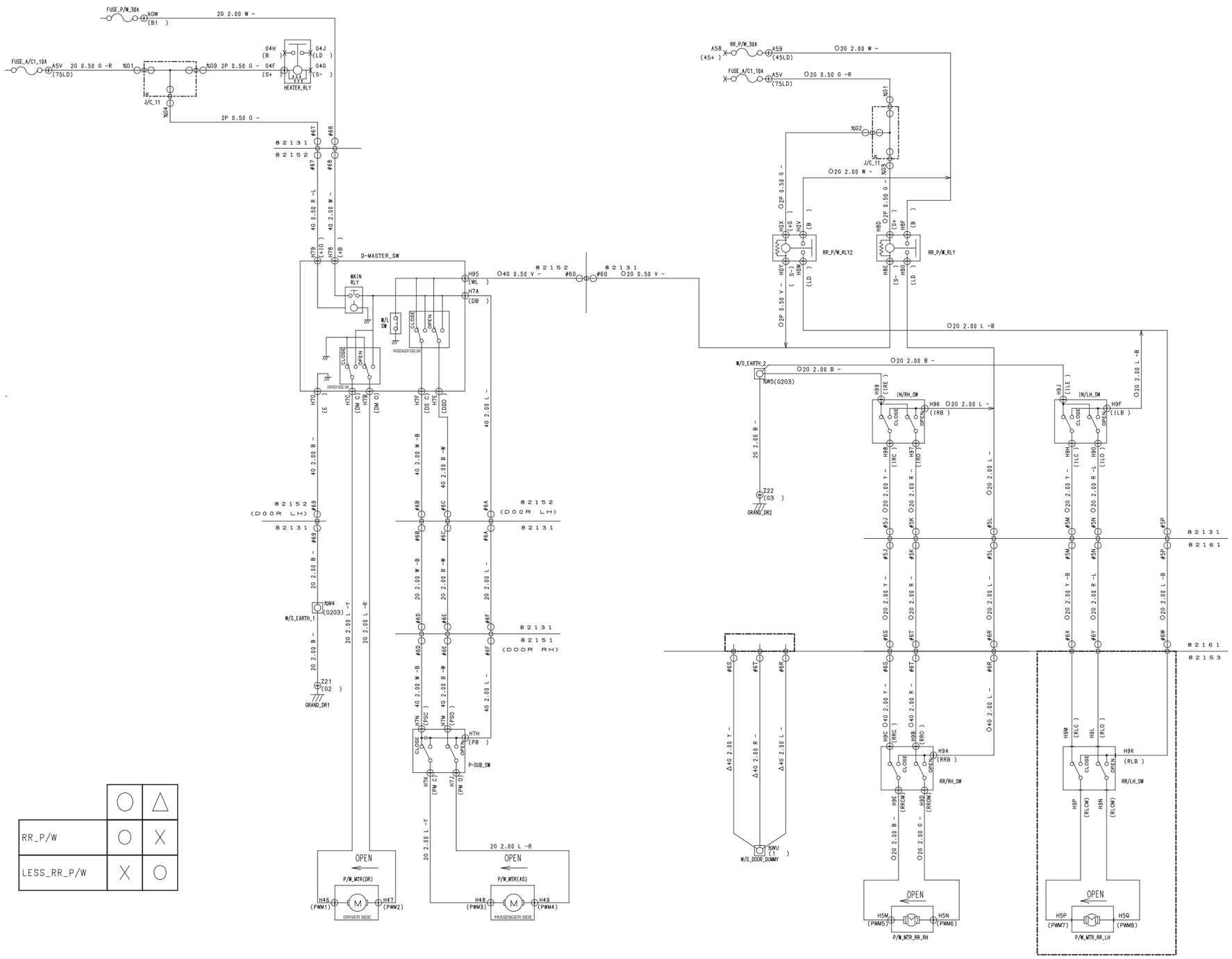
20. AIR HORN CIRCUIT



21. CIGARETTE LIGHTER & ACC. SOCKET CIRCUIT

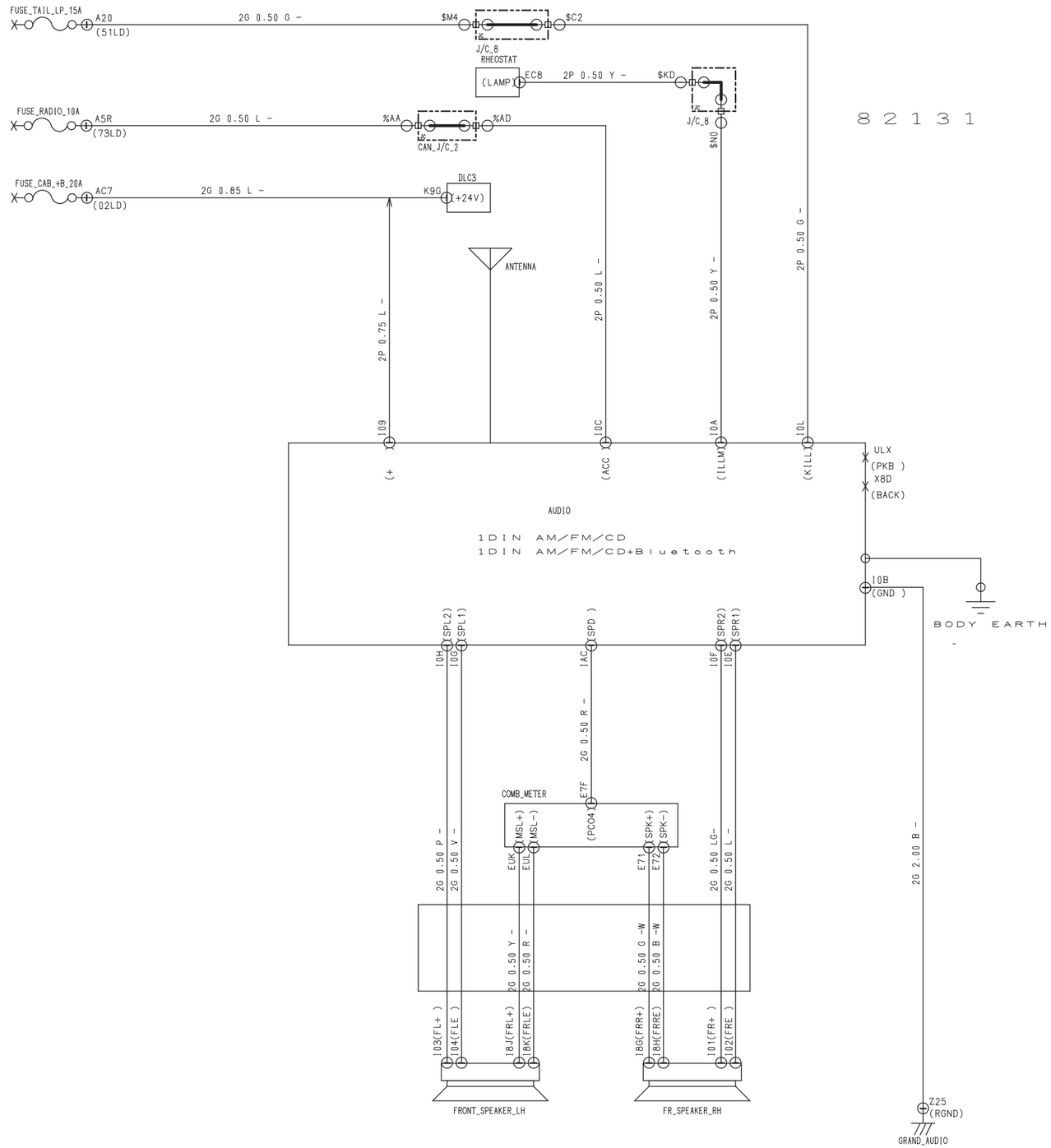


22. POWER WINDOW CIRCUIT

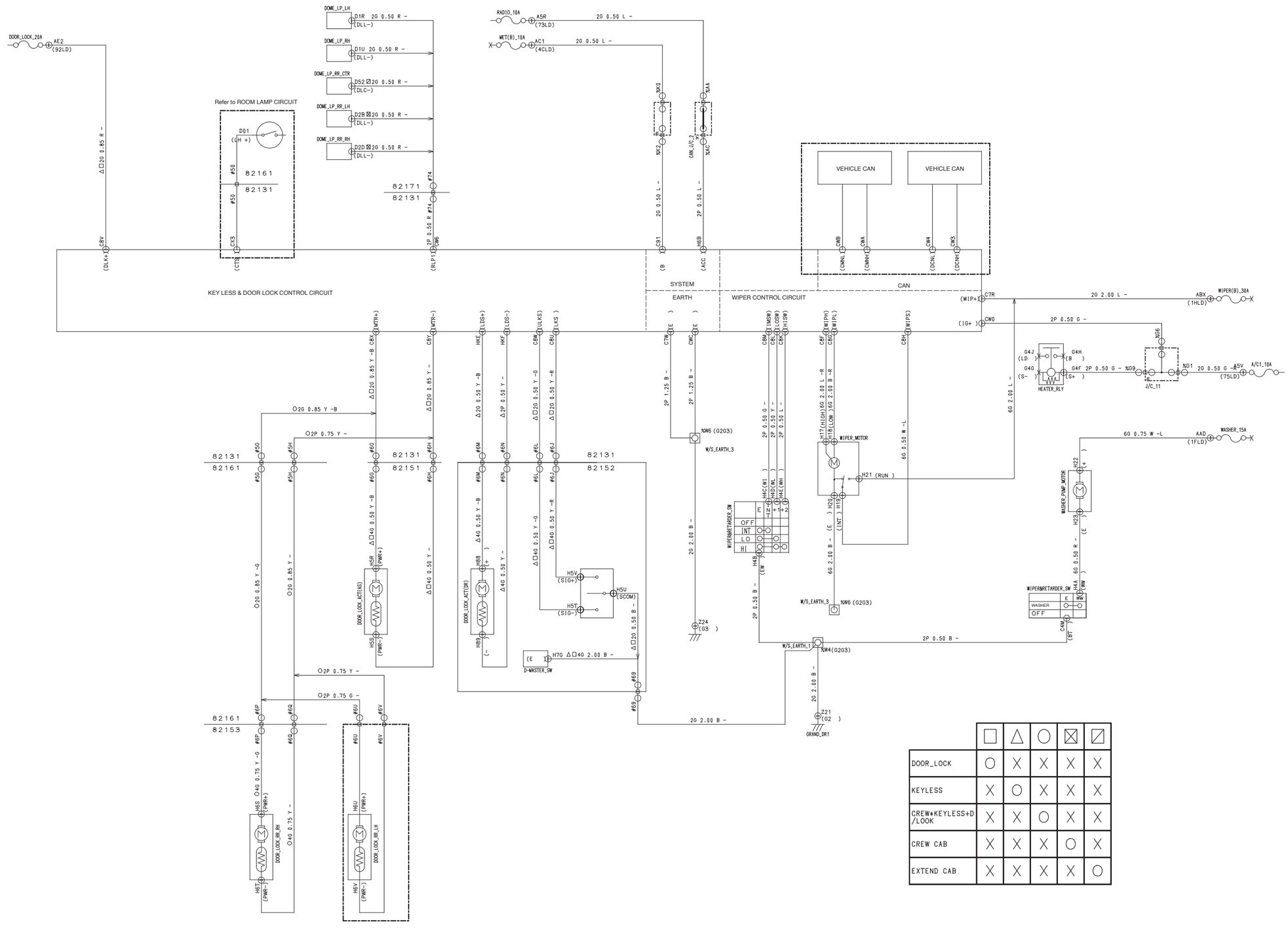


	○	△
RR_P/W	○	×
LESS_RR_P/W	×	○

23. AUDIO CIRCUIT

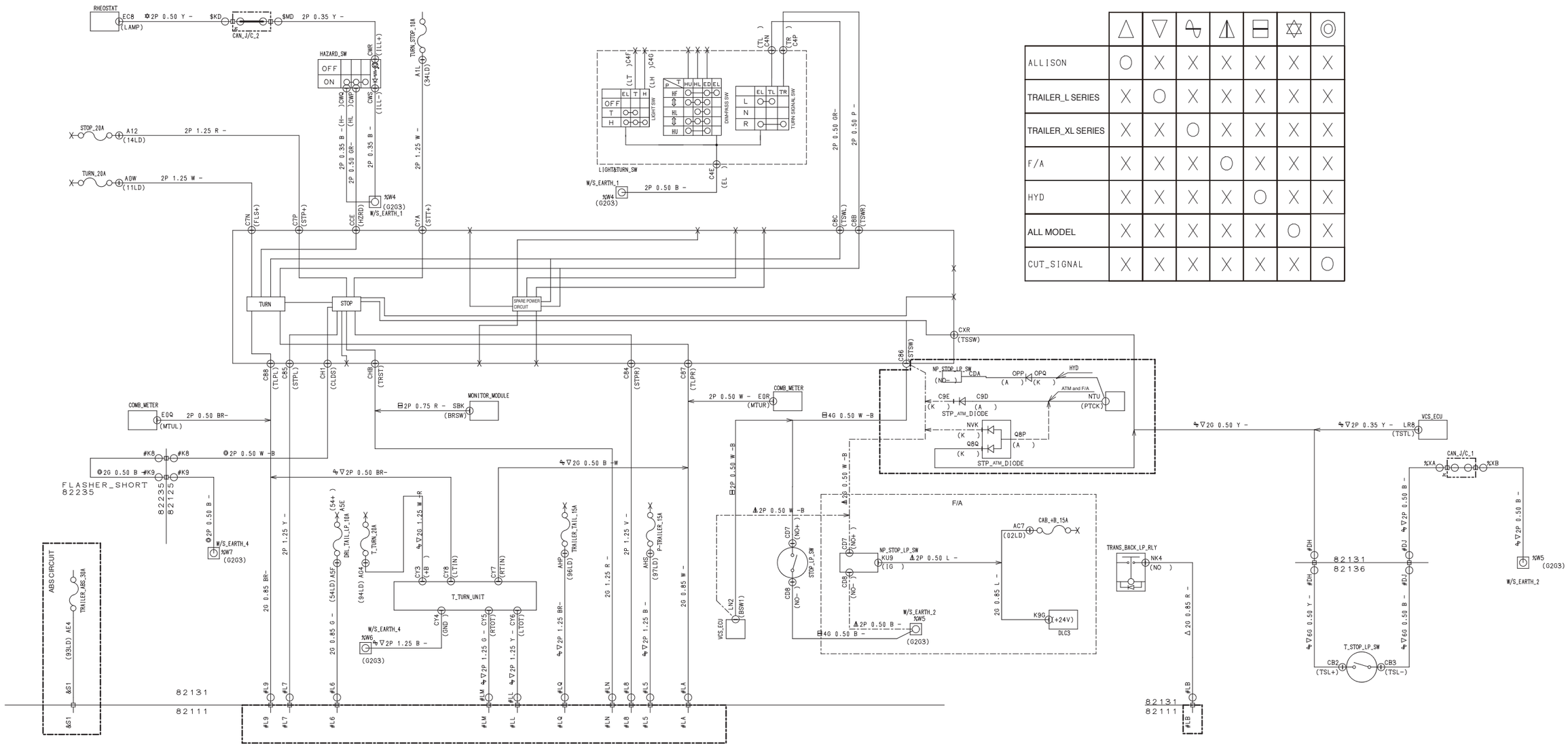


24. BODY CONTROL CIRCUIT_POWER D/L & KEY LESS ENTRY



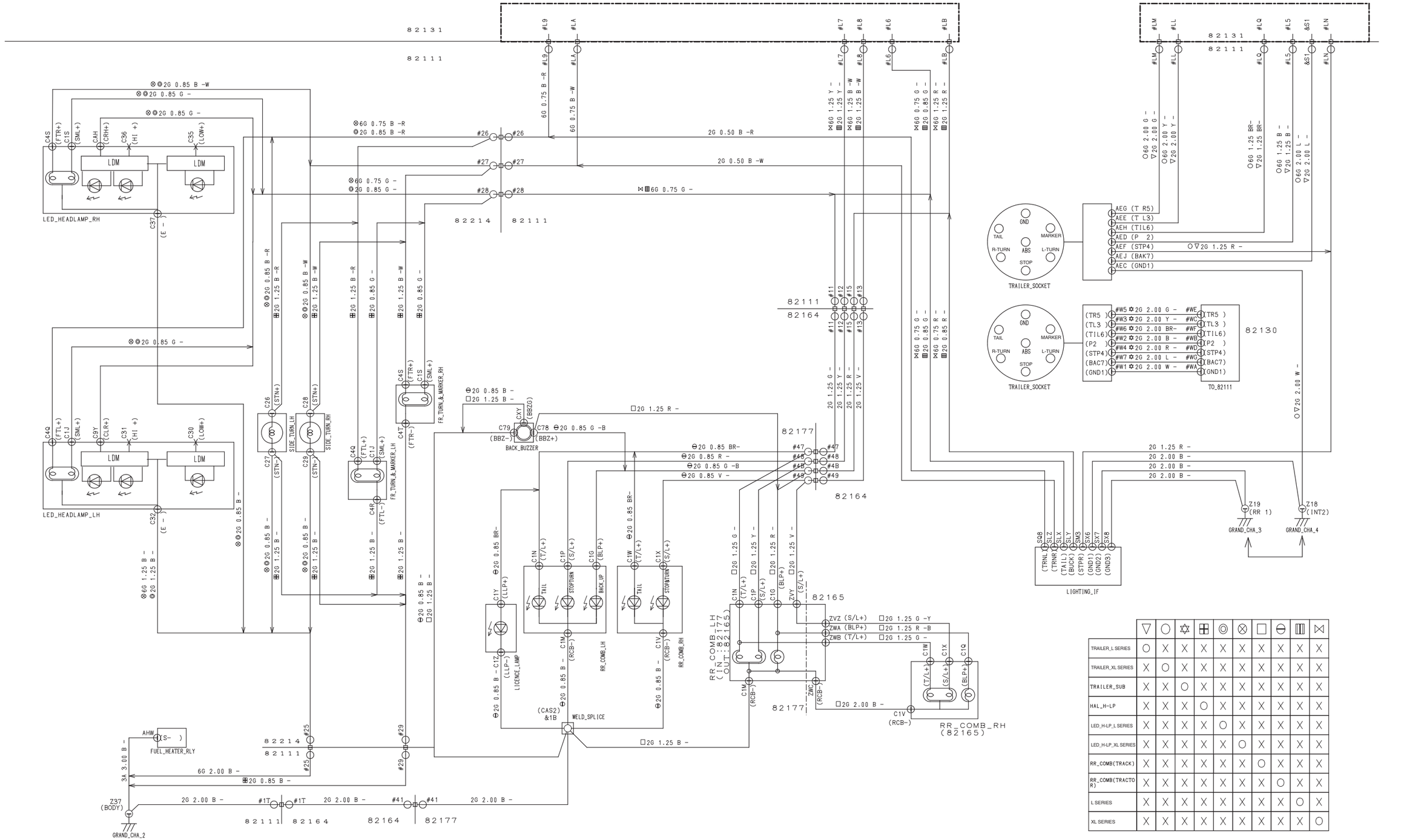
	□	△	○	⊠	⊿
DOOR_LOCK	○	X	X	X	X
KEYLESS	X	○	X	X	X
CREW*KEYLESS+D/LOOK	X	X	○	X	X
CREW CAB	X	X	X	○	X
EXTEND CAB	X	X	X	X	○

25. BODY CONTROL CIRCUIT_CAB



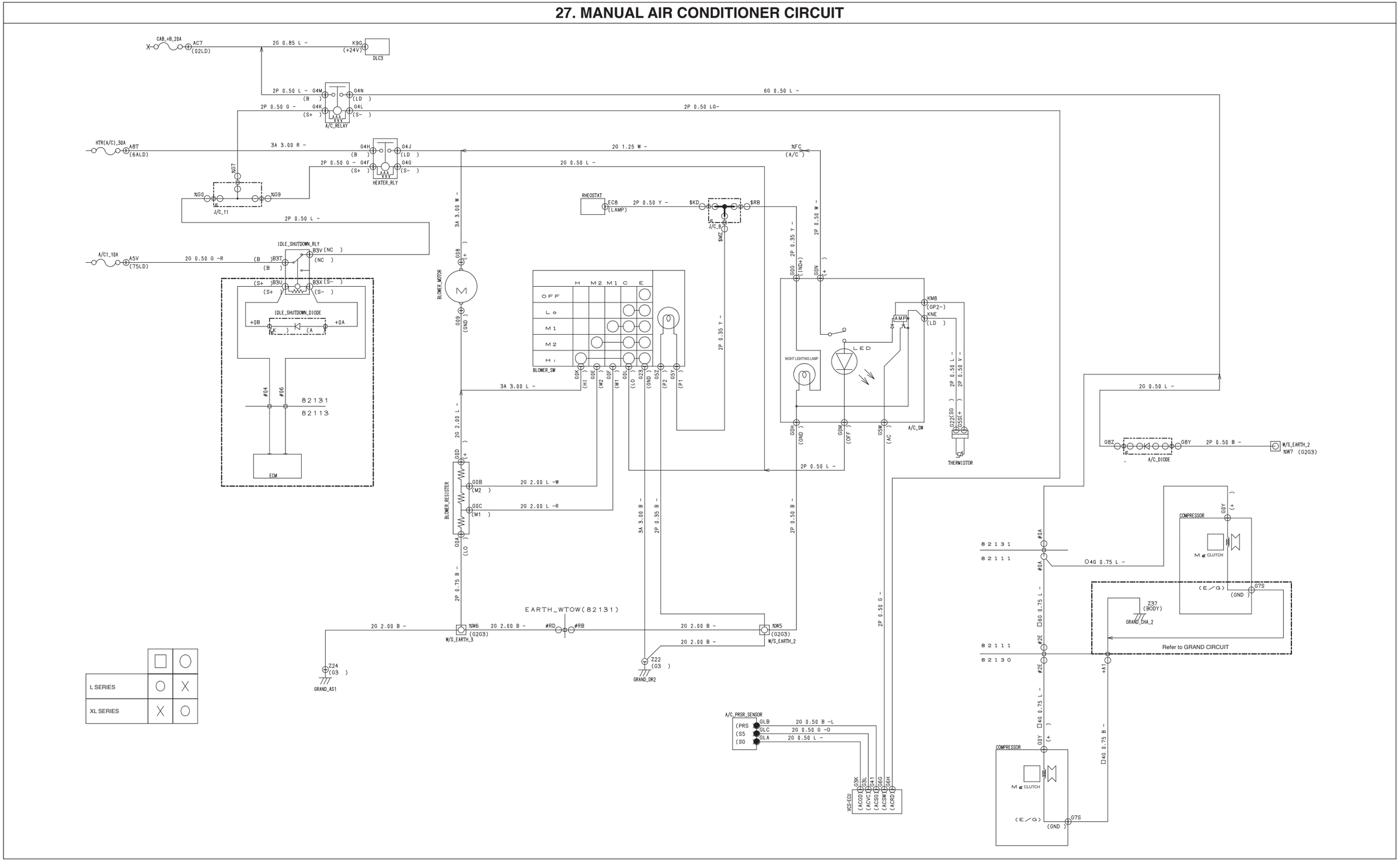
	△	▽	⌯	◭	⊟	✡	◎
ALLISON	○	×	×	×	×	×	×
TRAILER_L SERIES	×	○	×	×	×	×	×
TRAILER_XL SERIES	×	×	○	×	×	×	×
F/A	×	×	×	○	×	×	×
HYD	×	×	×	×	○	×	×
ALL MODEL	×	×	×	×	×	○	×
CUT_SIGNAL	×	×	×	×	×	×	○

26. BODY CONTROL CIRCUIT_CHASSIS

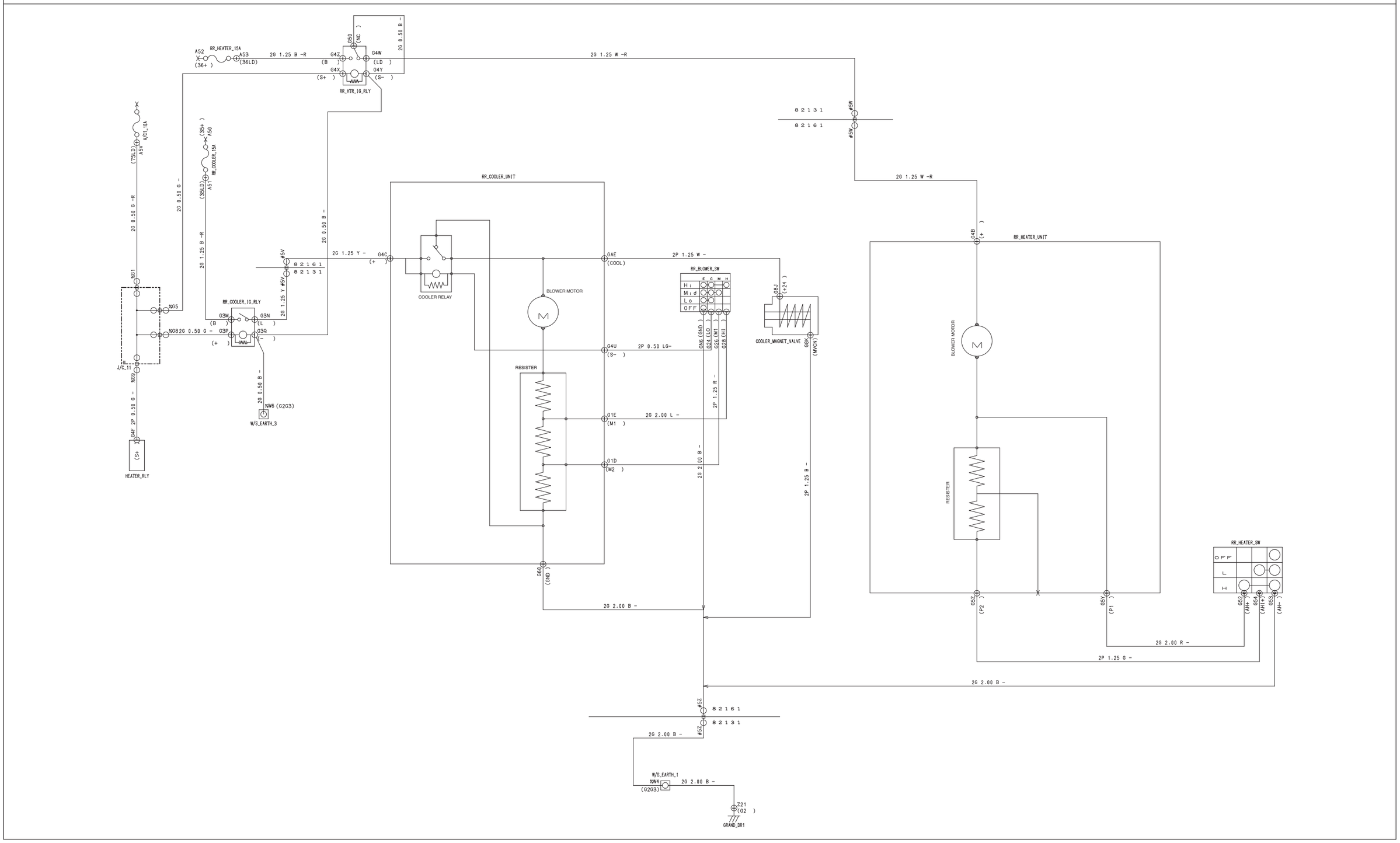


	▽	○	✡	⊞	◎	⊗	□	⊖	▥	⋈
TRAILER_L SERIES	○	X	X	X	X	X	X	X	X	X
TRAILER_XL SERIES	X	○	X	X	X	X	X	X	X	X
TRAILER_SUB	X	X	○	X	X	X	X	X	X	X
HAL_H-LP	X	X	X	○	X	X	X	X	X	X
LED_H-LP_L SERIES	X	X	X	X	○	X	X	X	X	X
LED_H-LP_XL SERIES	X	X	X	X	X	○	X	X	X	X
RR_COMB(TRACK)	X	X	X	X	X	X	○	X	X	X
RR_COMB(TRACTOR)	X	X	X	X	X	X	X	○	X	X
L SERIES	X	X	X	X	X	X	X	X	○	X
XL SERIES	X	X	X	X	X	X	X	X	X	○

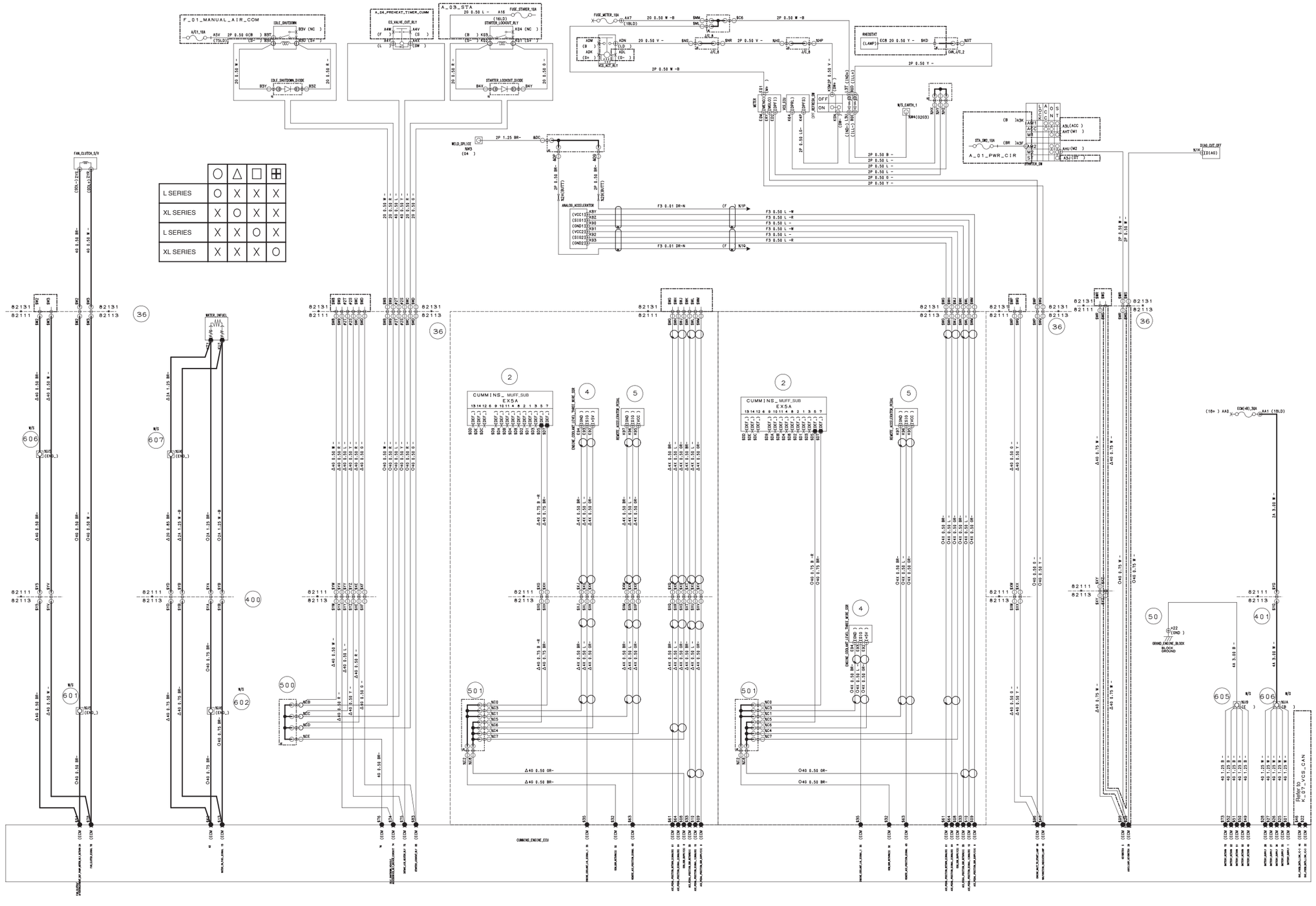
27. MANUAL AIR CONDITIONER CIRCUIT



28. REAR COOLER & REAR HEATER CIRCUIT

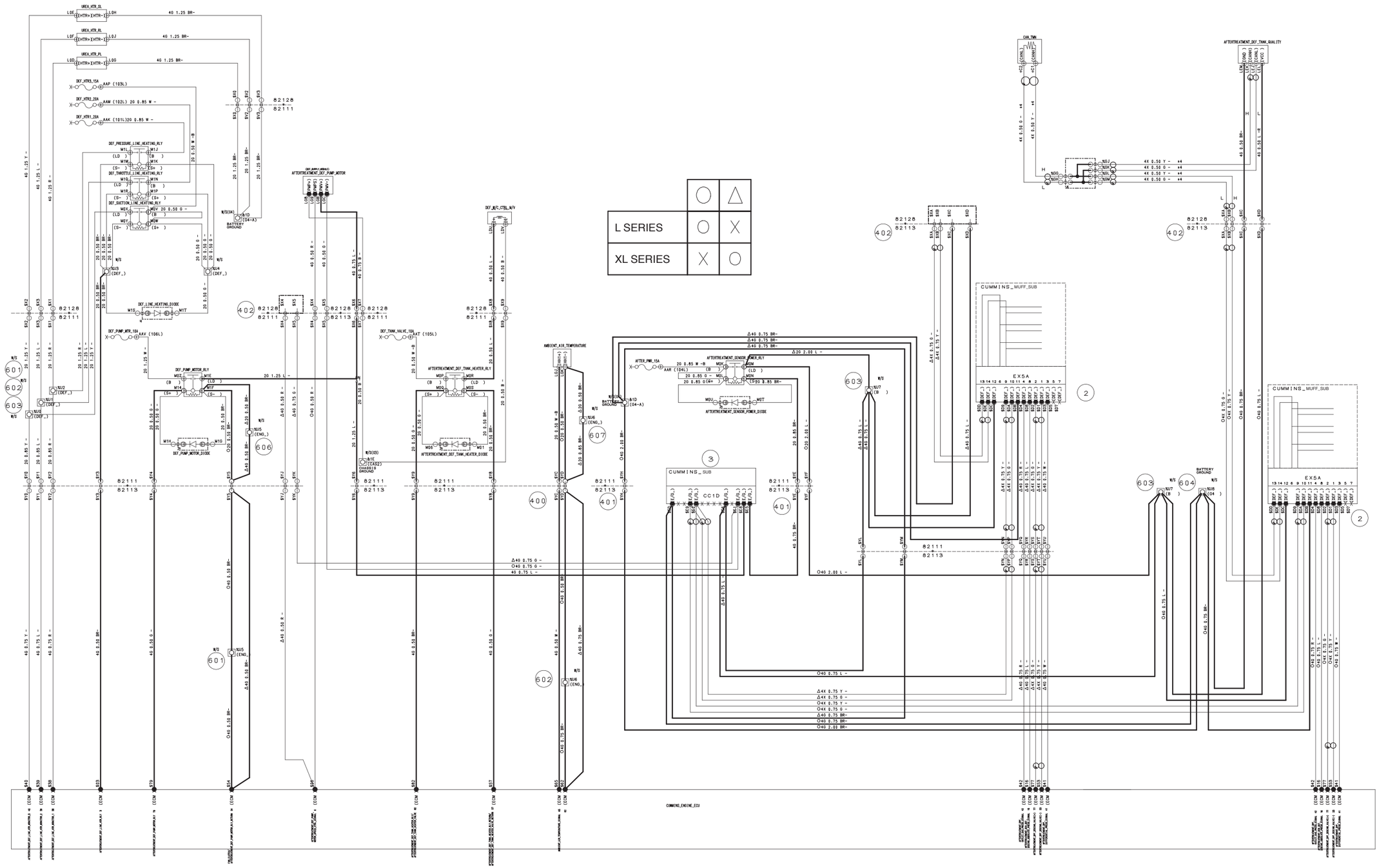


29. CUMMINS ENGINE ECU & ECM CIRCUIT

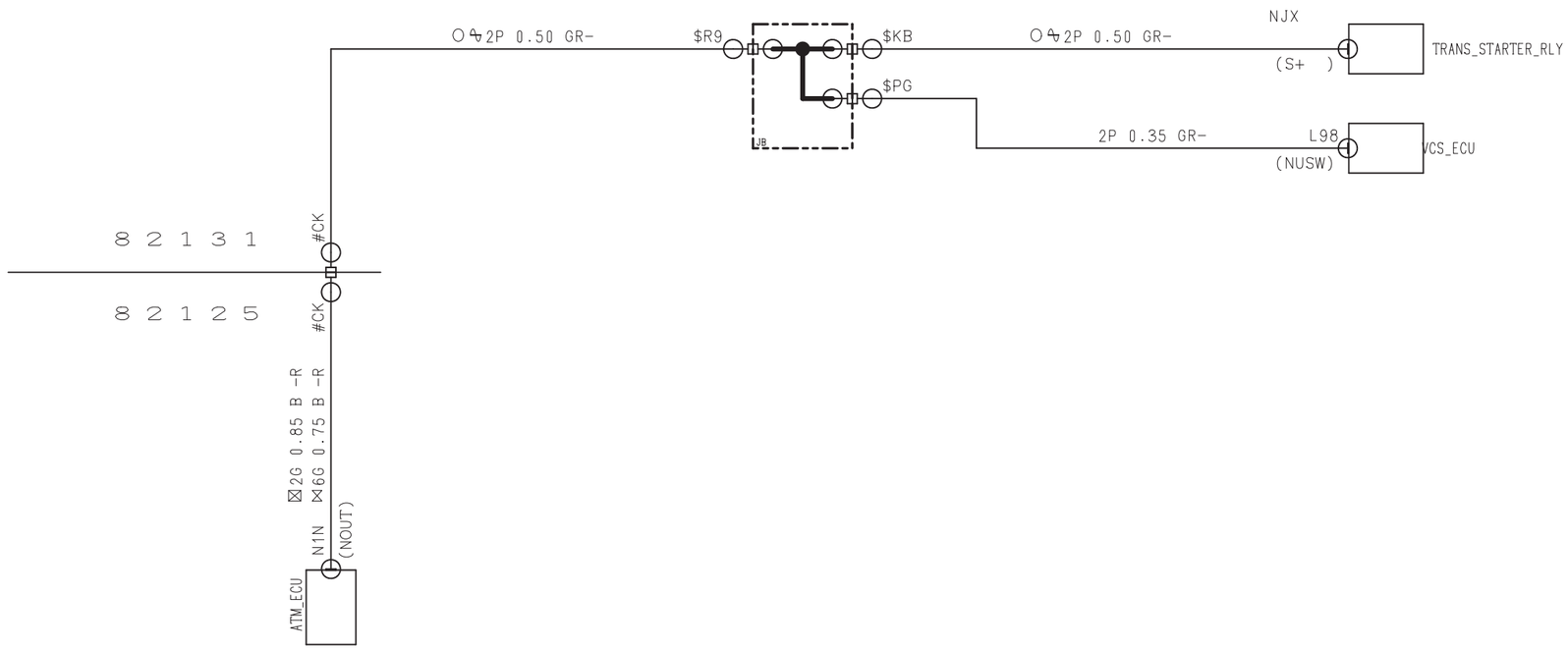


	○	△	□	⊞
L SERIES	O	X	X	X
XL SERIES	X	O	X	X
L SERIES	X	X	O	X
XL SERIES	X	X	X	O

30. AFTERTRATMENT SYSTEM CIRCUIT

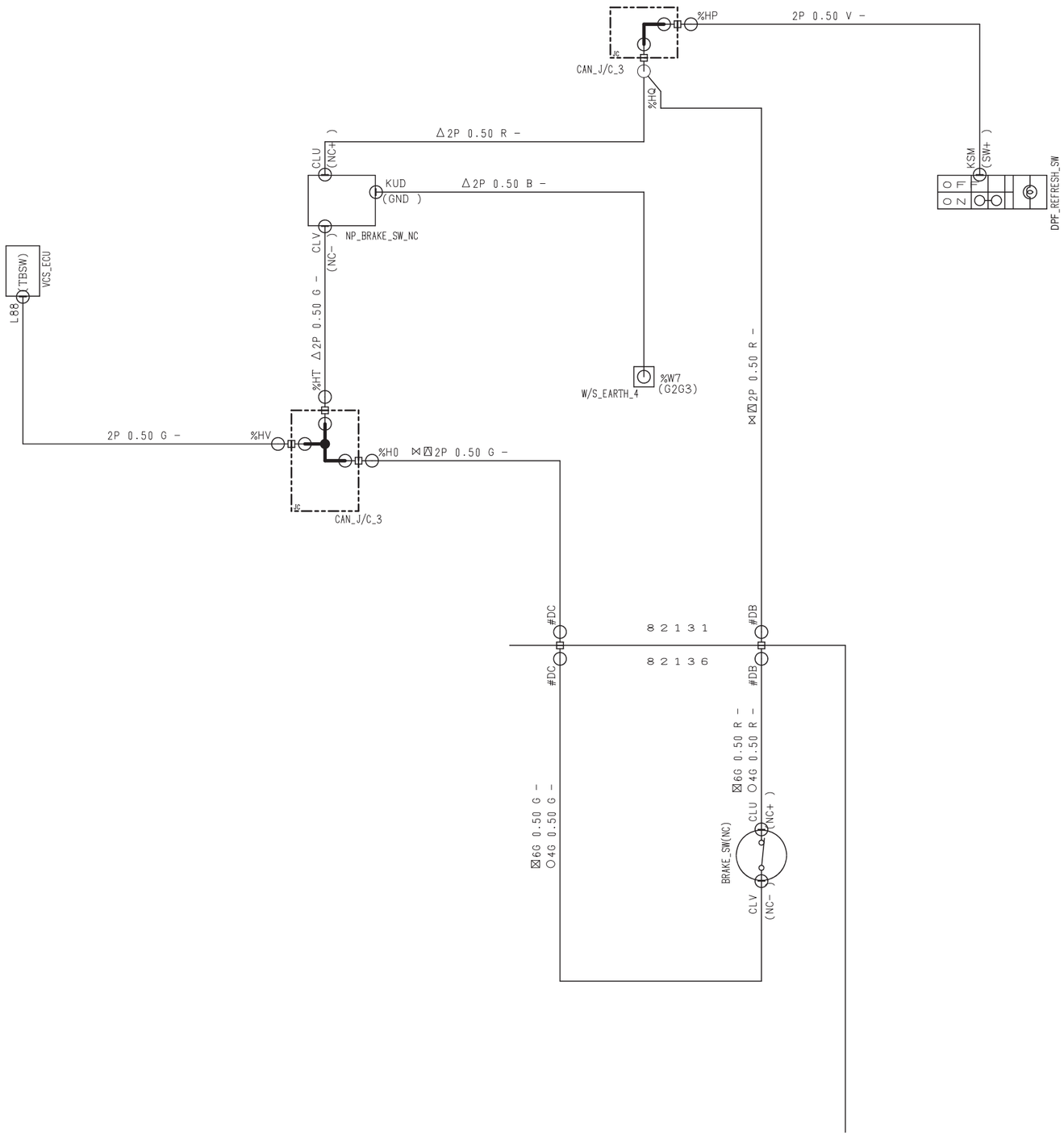


31. COMMON RAIL CIRCUIT_ATM EXHAUST BRAKE



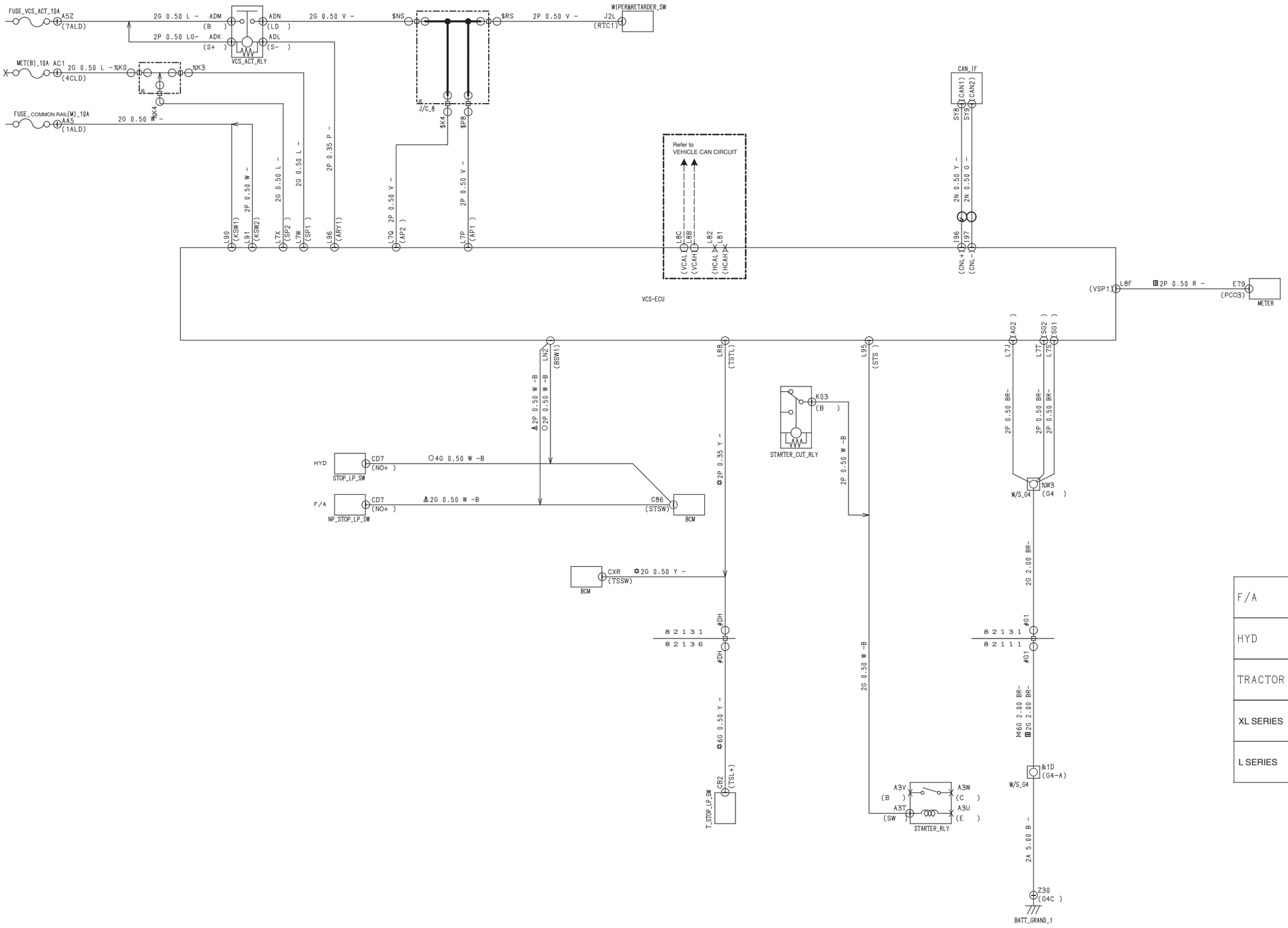
ATM 2200	○	X	X	X
ATM 3000	X	○	X	X
L SERIES _ENGINE	X	X	○	X
XL SERIES _ENGINE	X	X	X	○

32. COMMON RAIL CIRCUIT_FS CURISE



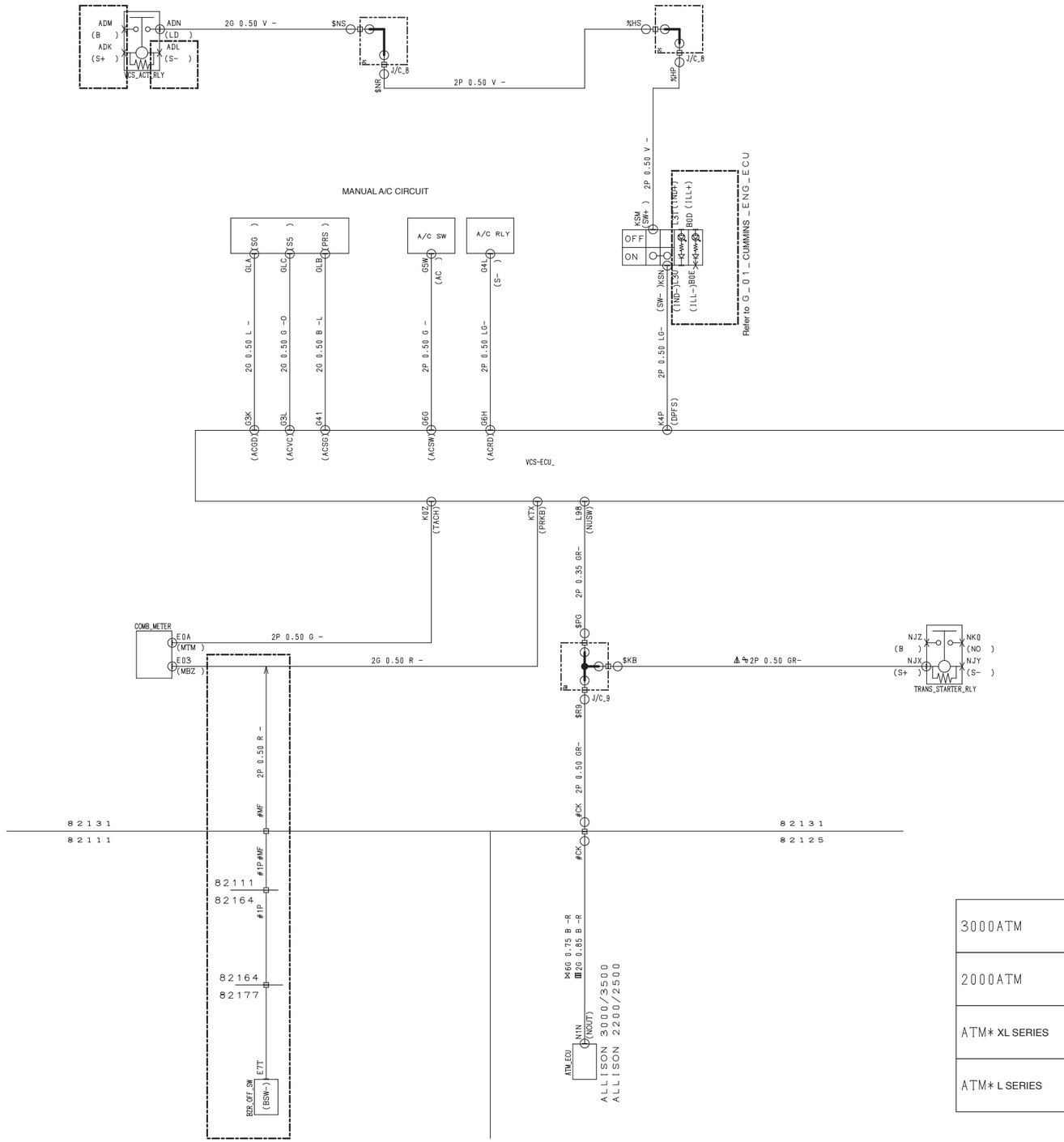
	⋈	⊠	△	○	⊠
F/A_XL SERIES	○	X	X	X	X
F/A_L SERIES	X	○	X	X	X
HYD	X	X	○	X	X
F/A_TRUCK	X	X	X	○	X
F/A_TRAILER	X	X	X	X	○

33. VEHICLE CONTROL ECU CIRCUIT_1



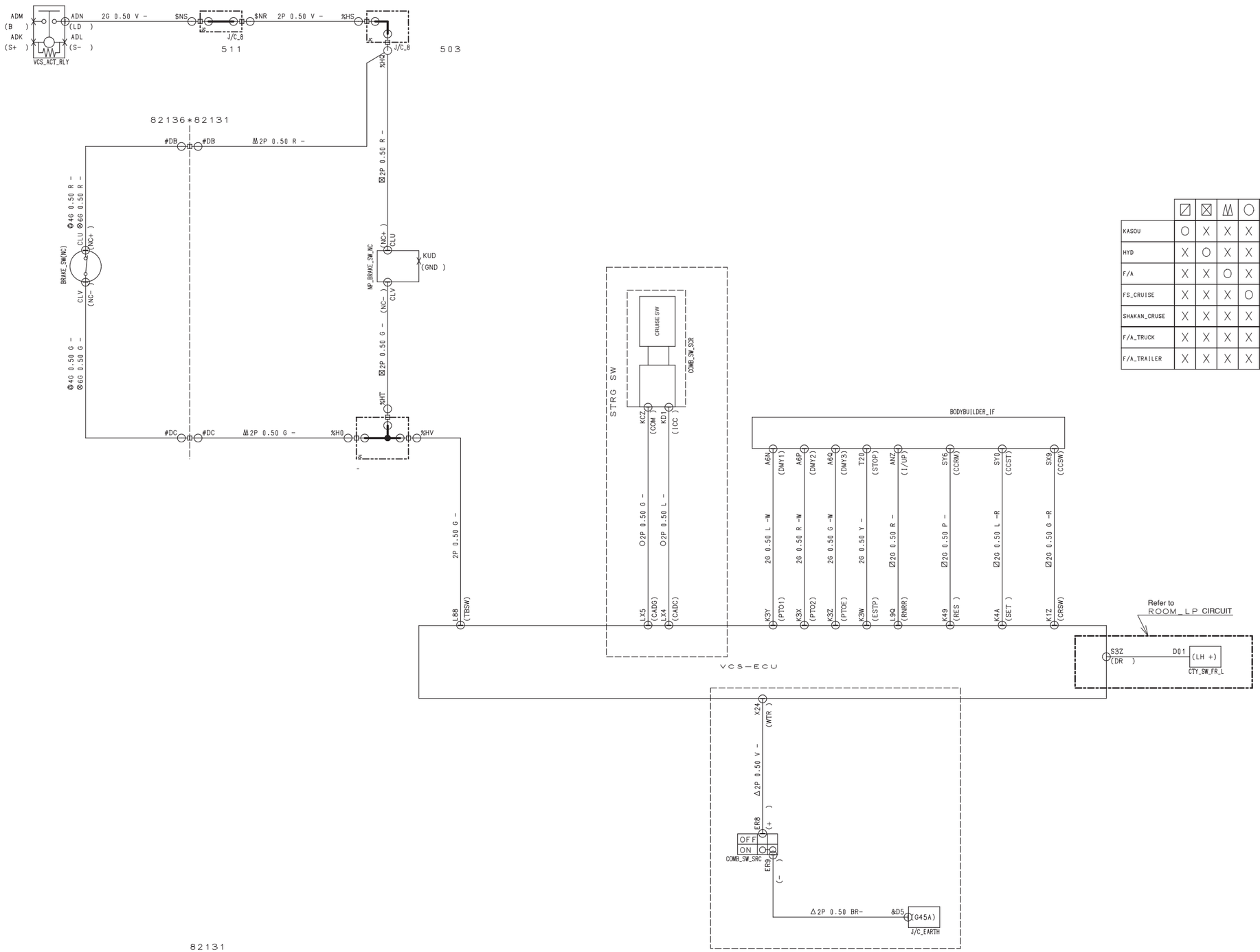
	△	○	✡	⋈	▥
F/A	○	X	X	X	X
HYD	X	○	X	X	X
TRACTOR	X	X	○	X	X
XL SERIES	X	X	X	○	X
L SERIES	X	X	X	X	○

34. VEHICLE CONTROL ECU CIRCUIT_2



3000ATM	○	×	×	×
2000ATM	×	○	×	×
ATM* XL SERIES	×	×	○	×
ATM* L SERIES	×	×	×	○

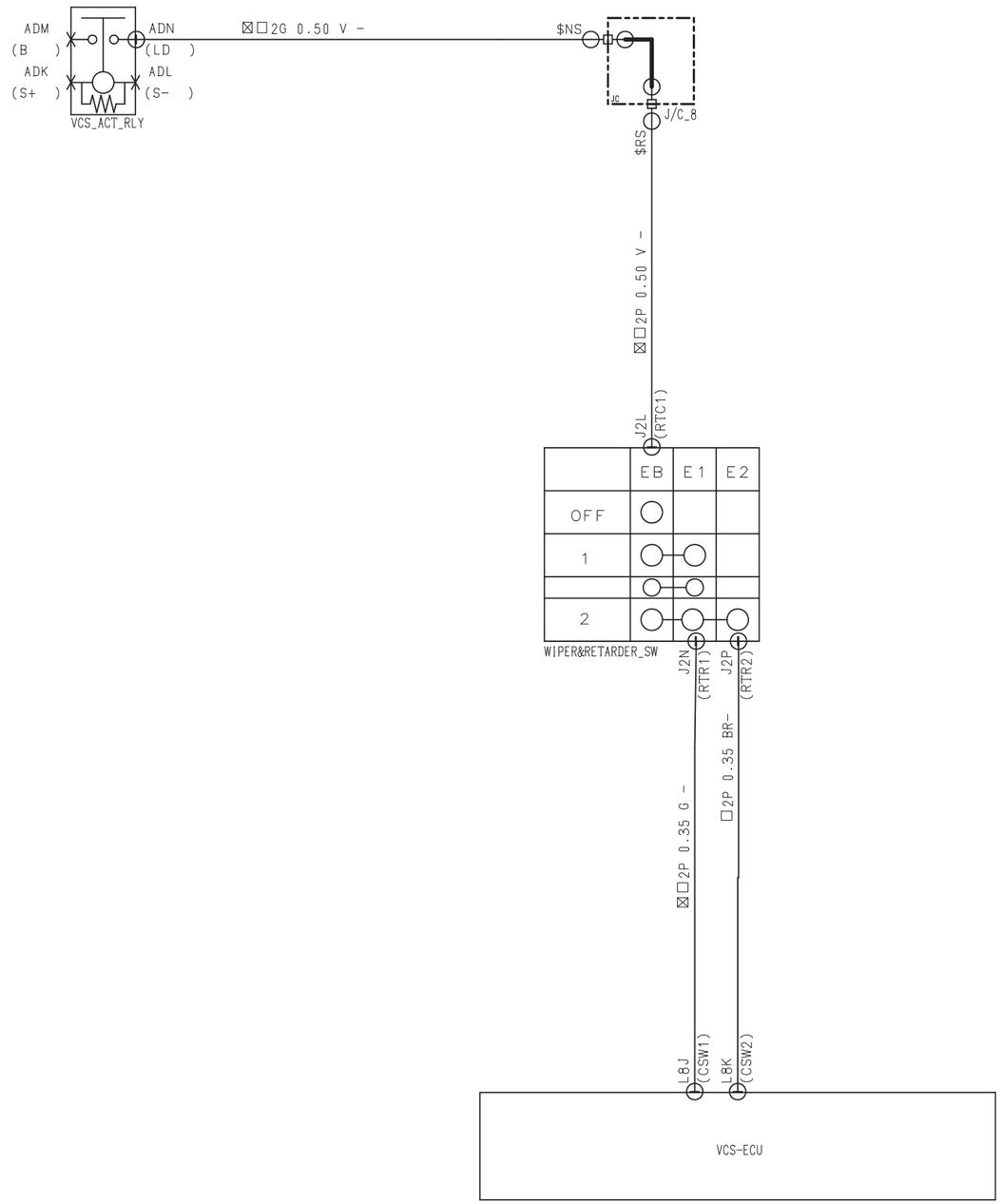
35. VEHICLE CONTROL ECU CIRCUIT_3



	◪	⊠	⩚	○	△	⚠	⊗
KASOU	○	X	X	X	X	X	X
HYD	X	○	X	X	X	X	X
F/A	X	X	○	X	X	X	X
FS_CRUISE	X	X	X	○	X	X	X
SHAKAN_CRUSE	X	X	X	X	○	X	X
F/A_TRUCK	X	X	X	X	X	○	X
F/A_TRAILER	X	X	X	X	X	X	○

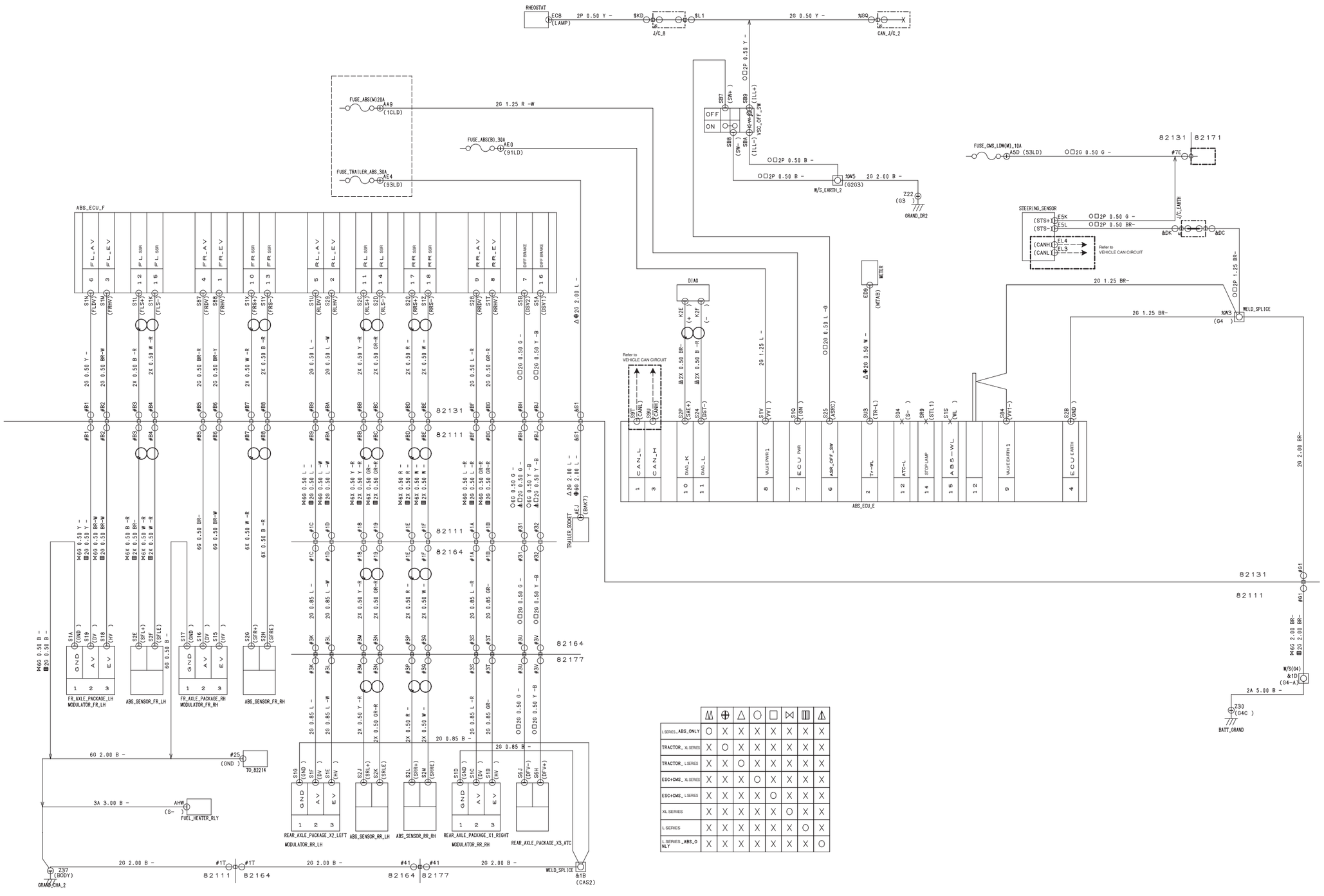
36. VEHICLE CONTROL ECU CIRCUIT_4 (EXHAUST BRAKE)

8 2 1 3 1



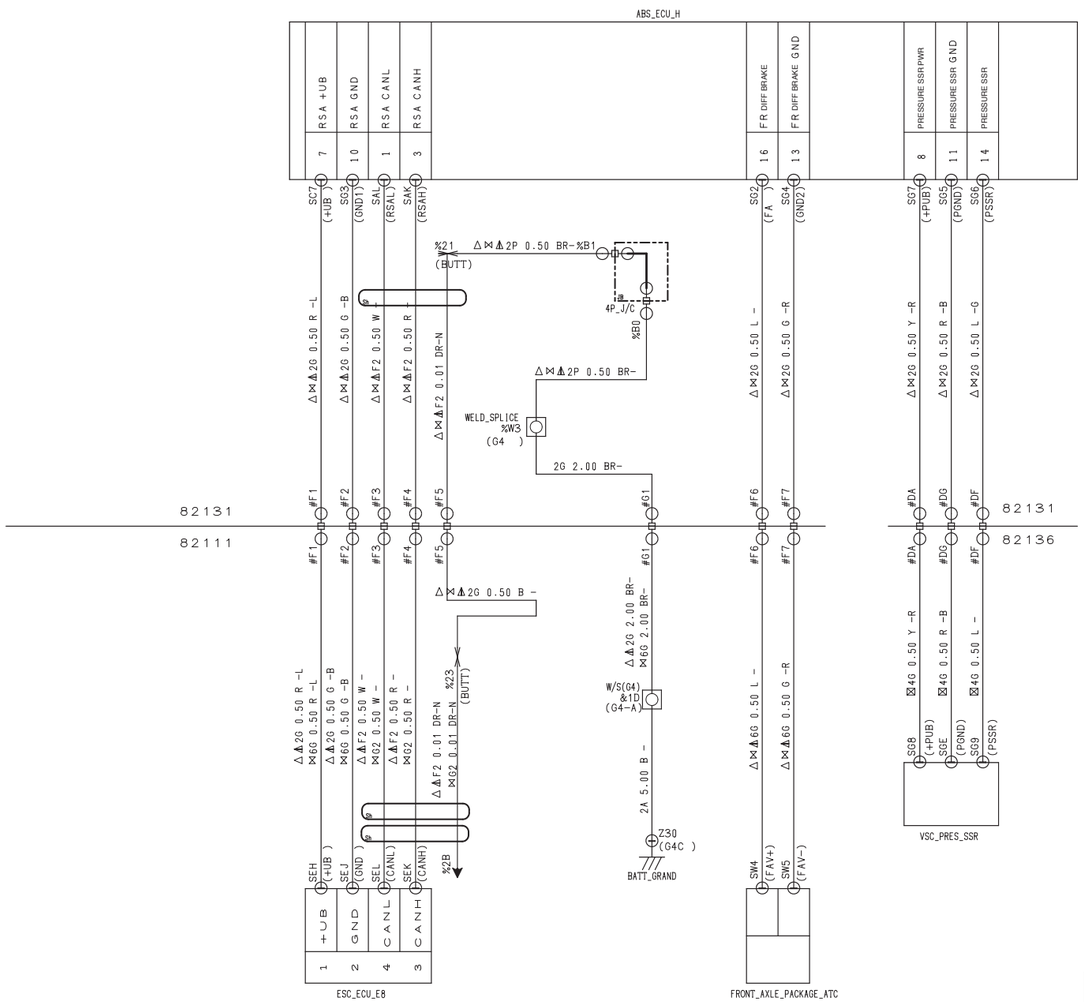
JAKE2 XL SERIES	○	×
VGT	×	○

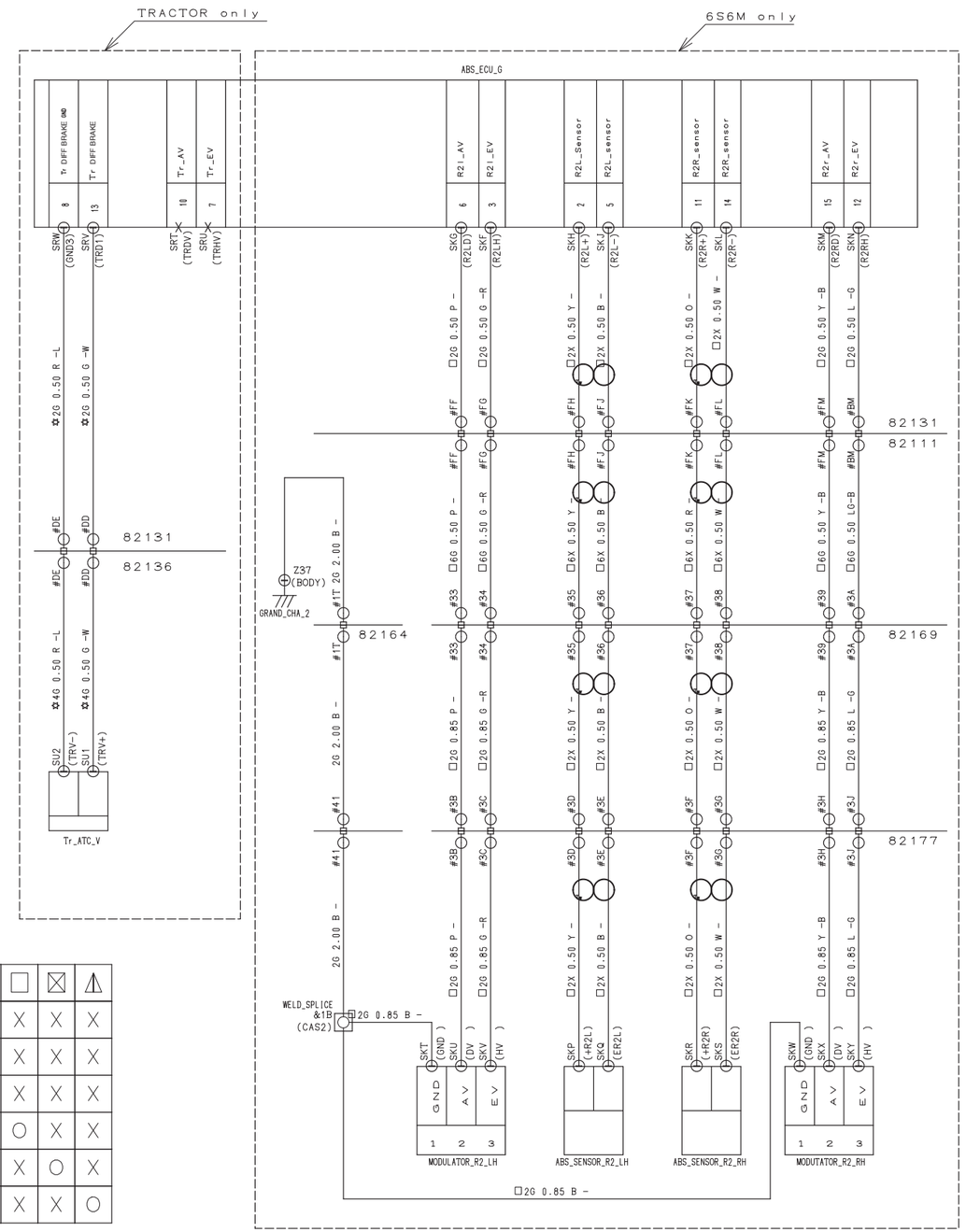
37. ABS CIRCUIT_1



L SERIES_ABS_ONLY	○	X	X	X	X	X	X	X
TRACTOR_ XL SERIES	X	○	X	X	X	X	X	X
TRACTOR_ L SERIES	X	X	○	X	X	X	X	X
ESC+CMS_ XL SERIES	X	X	X	○	X	X	X	X
ESC+CMS_ L SERIES	X	X	X	X	○	X	X	X
XL SERIES	X	X	X	X	X	○	X	X
L SERIES	X	X	X	X	X	X	○	X
L SERIES_ABS_ONLY	X	X	X	X	X	X	X	○

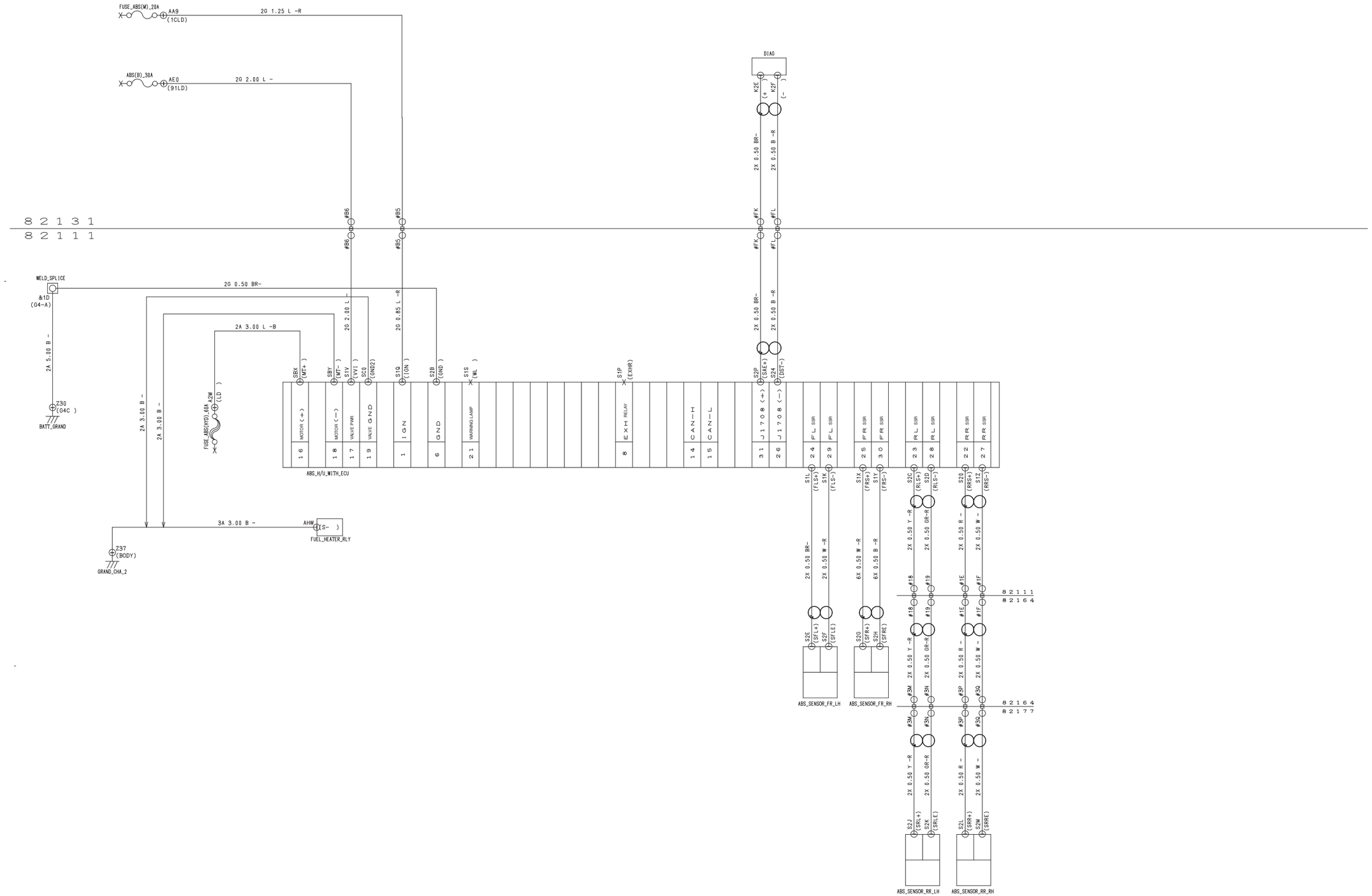
38. ABS CIRCUIT_2



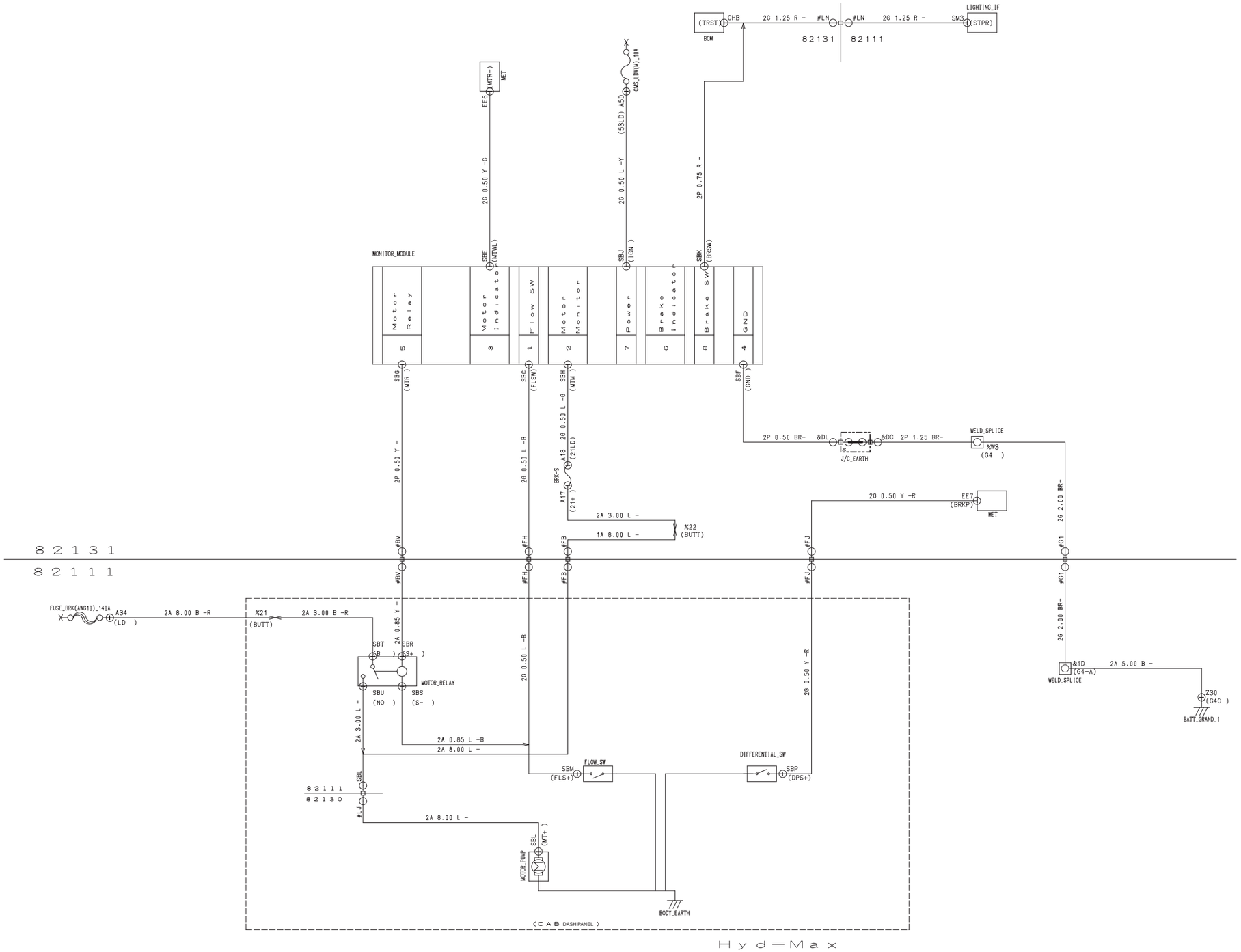


	✡	△	⋈	□	⊠	⚠
TRACTOR	○	X	X	X	X	X
VSC_CMS_ L SERIES	X	○	X	X	X	X
VSC_CMS_ XL SERIES	X	X	○	X	X	X
6S6M	X	X	X	○	X	X
VSC_CMS	X	X	X	X	○	X
L SERIES_ABS_ONLY	X	X	X	X	X	○

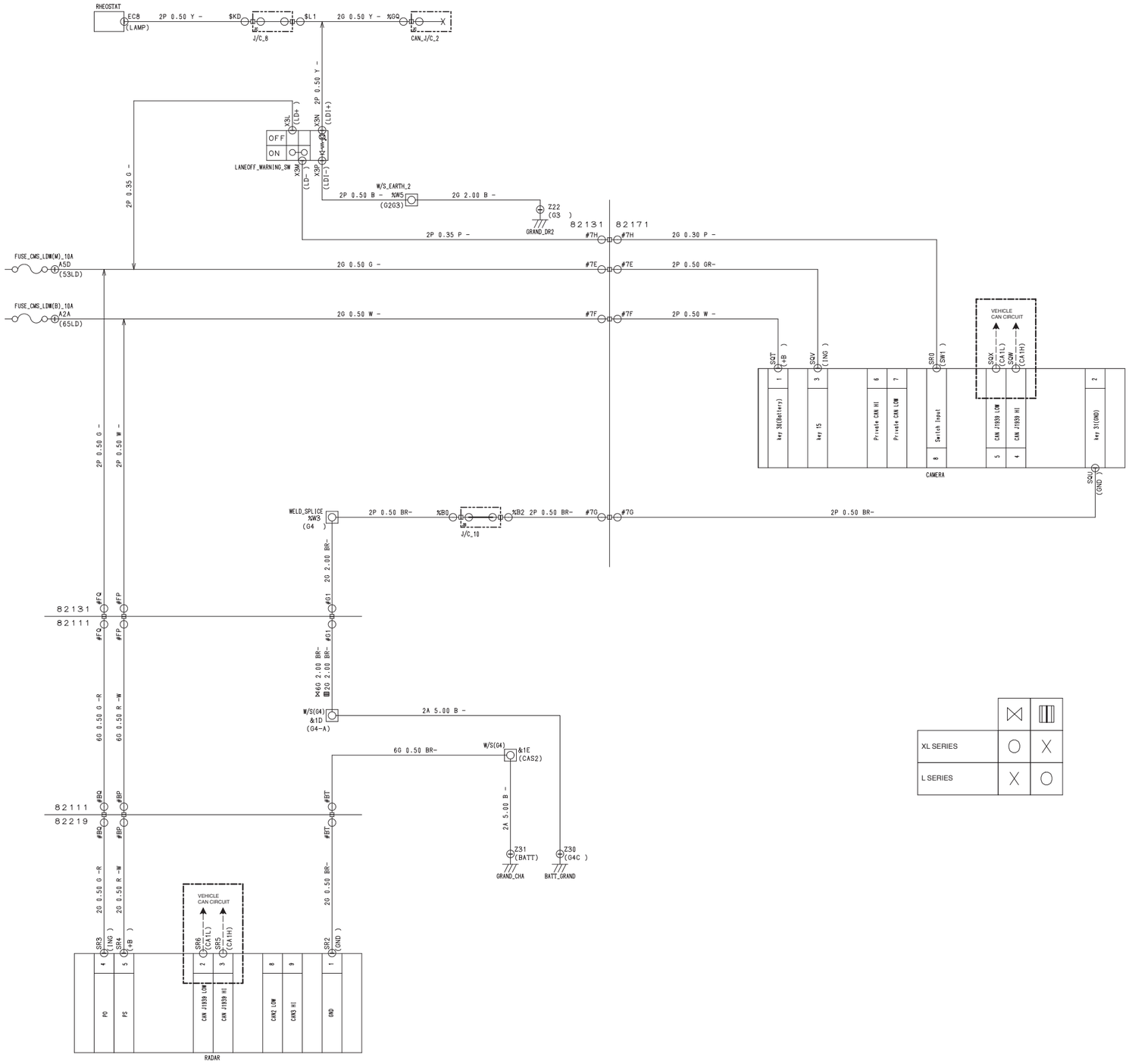
39. ABS CIRCUIT_3 (HYDRAULIC BRAKE Ver. E)



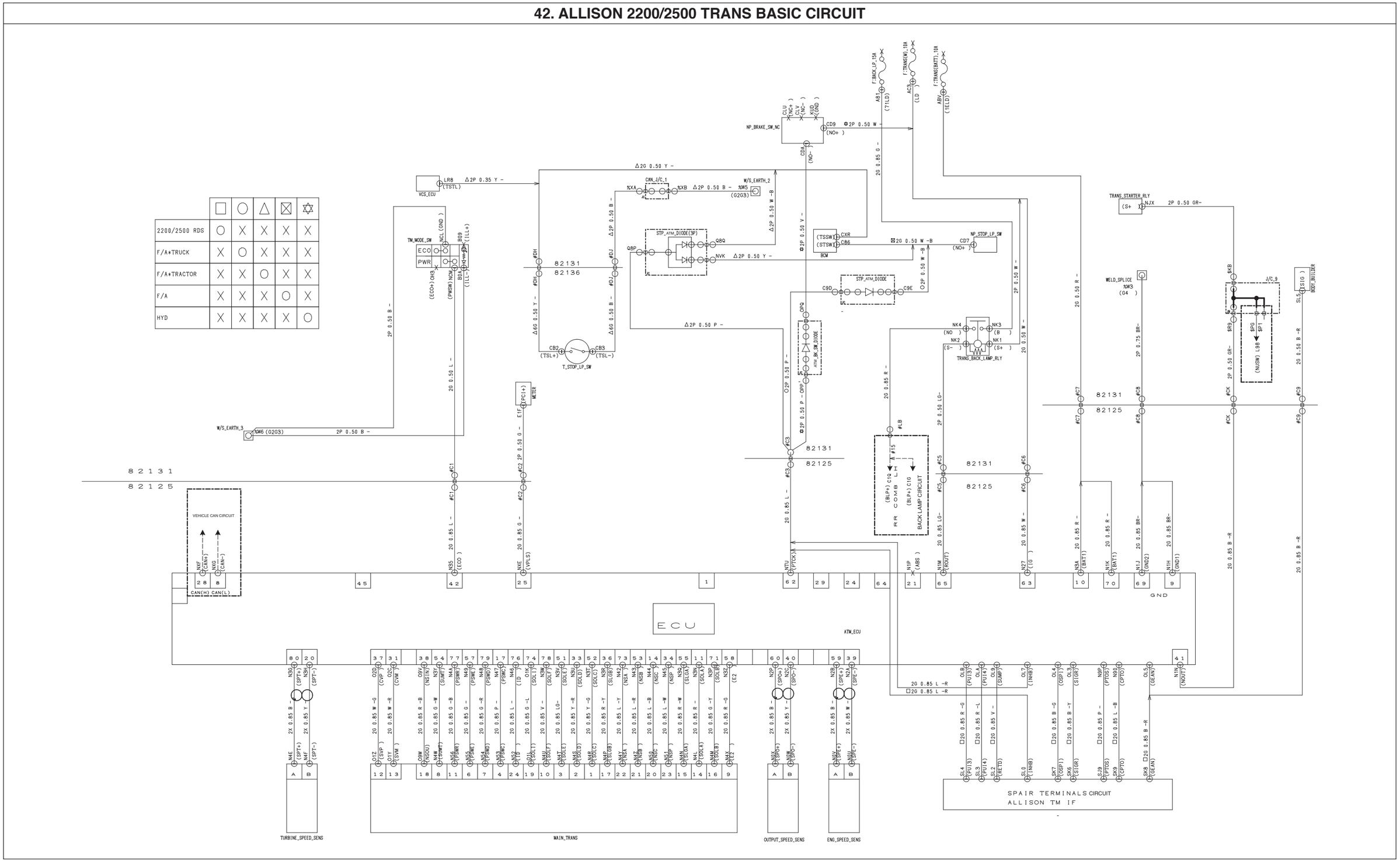
40. HYDRAULIC BRAKE SYSTEM CIRCUIT



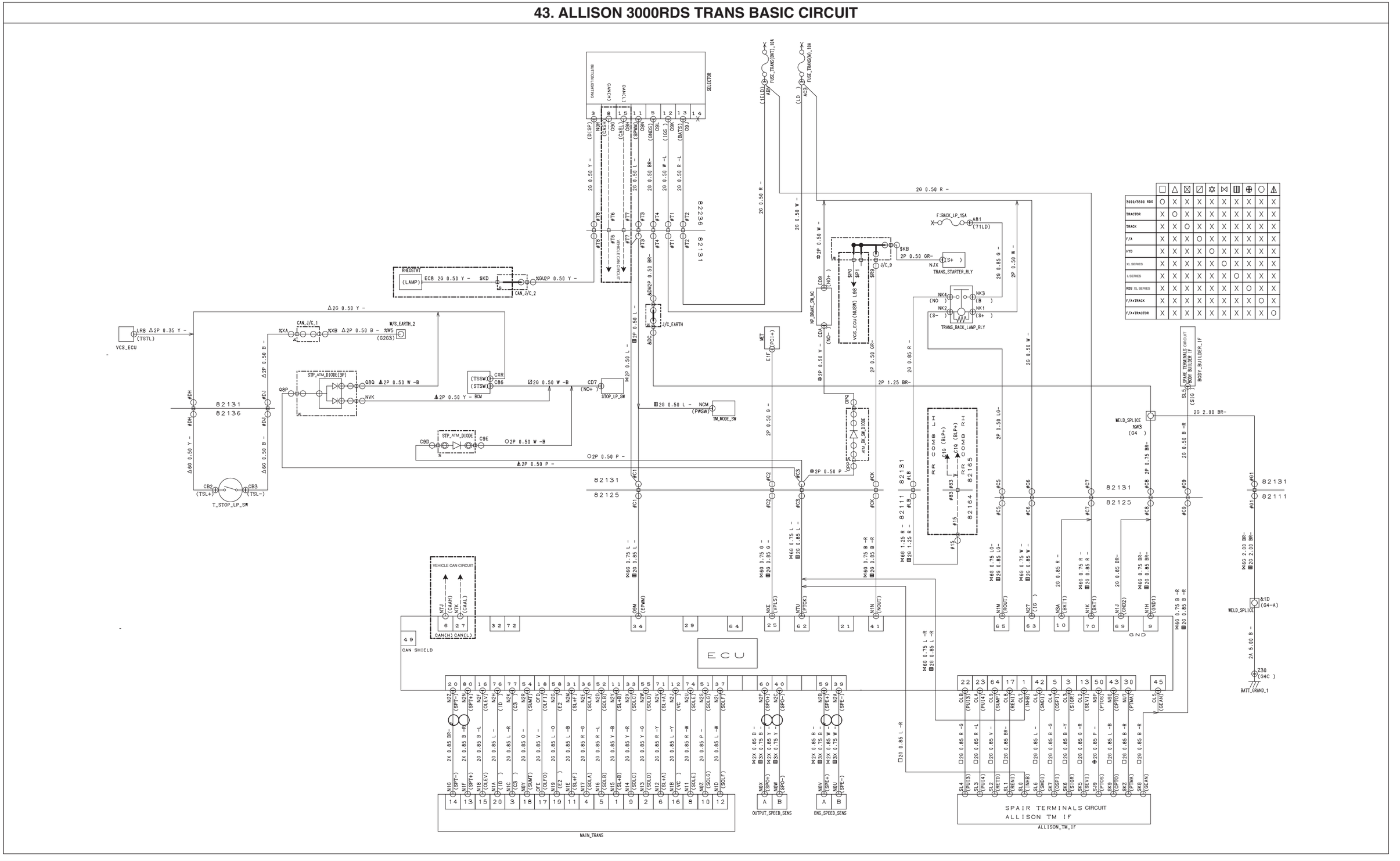
41. CMS, ACC & LDW CIRCUIT



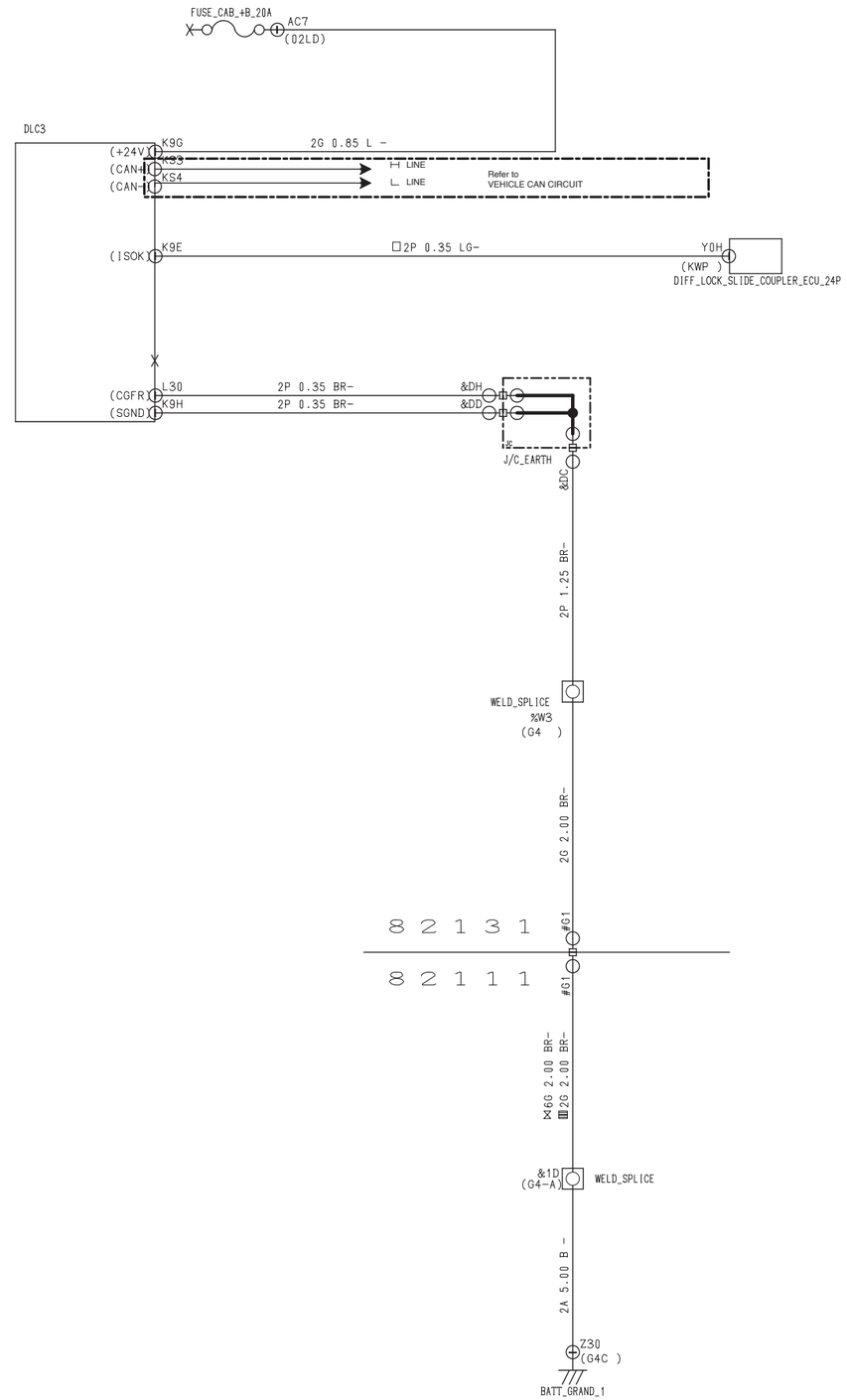
42. ALLISON 2200/2500 TRANS BASIC CIRCUIT



43. ALLISON 3000RDS TRANS BASIC CIRCUIT

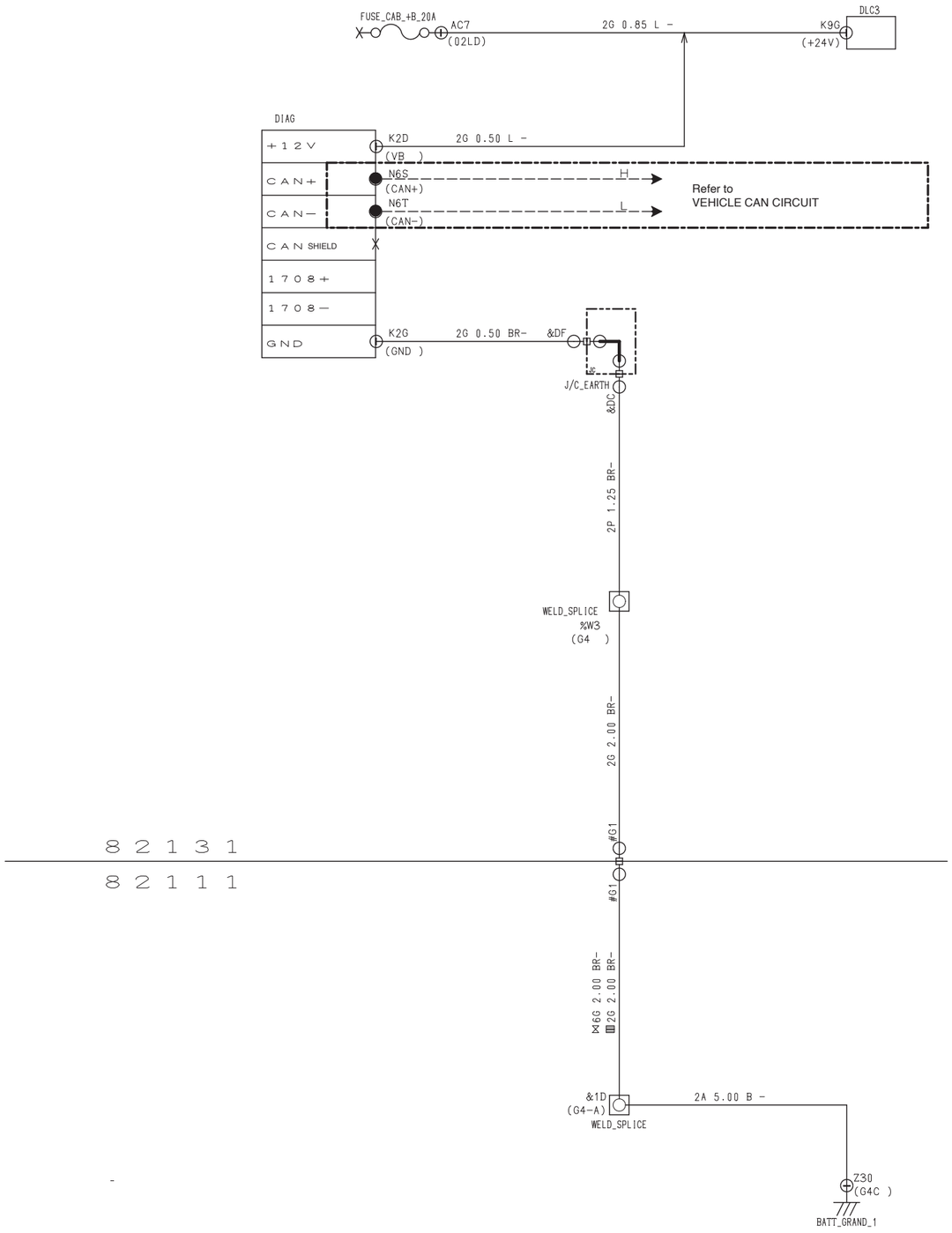


44. DIAGNOSIS CIRCUIT



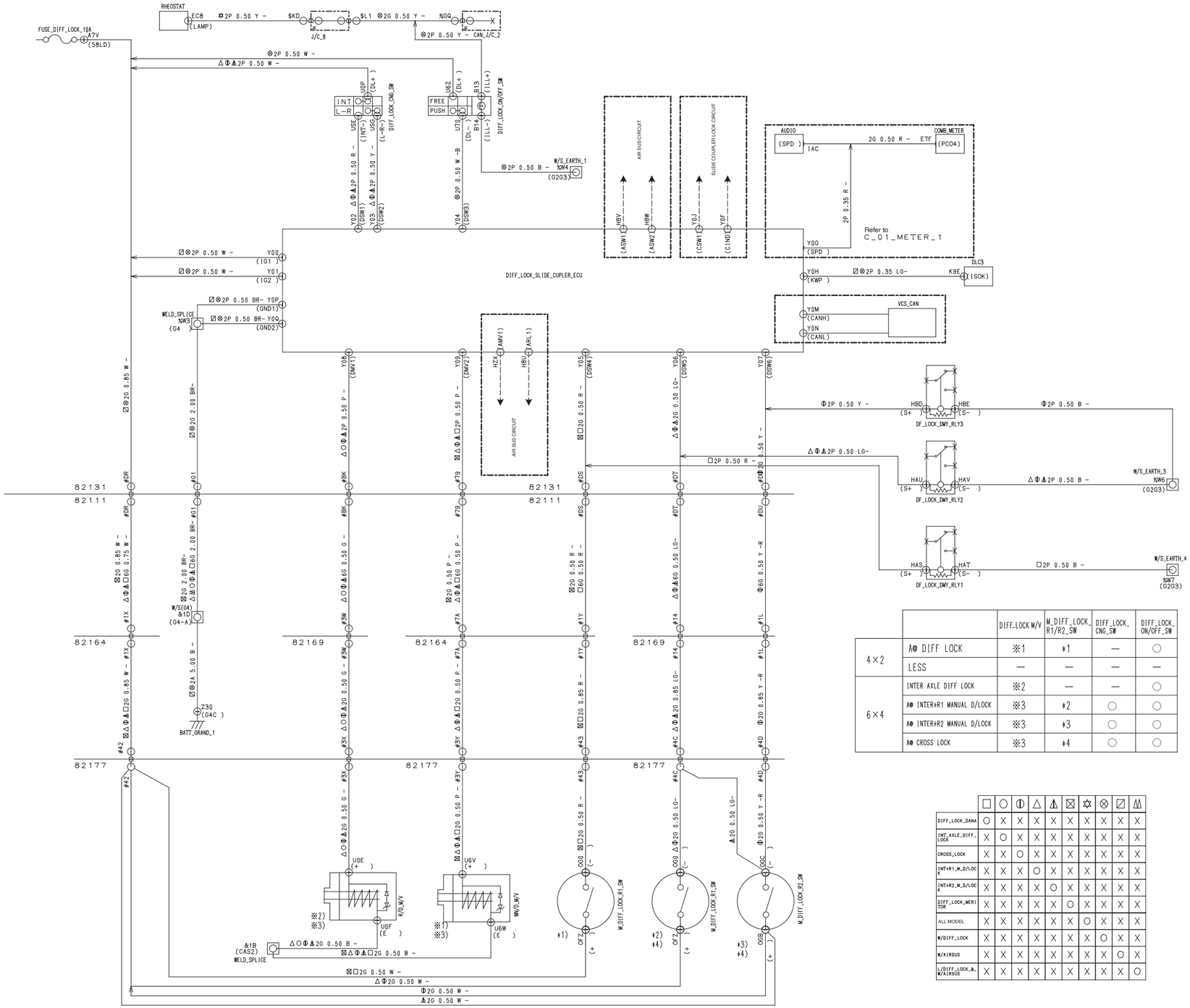
	□	⋈	▥
DIFF_LOCK	○	X	X
XL SERIES	X	○	X
L SERIES	X	X	○

45. DIAG' CONNECTOR CIRCUIT



XL SERIES	○	×
L SERIES	×	○

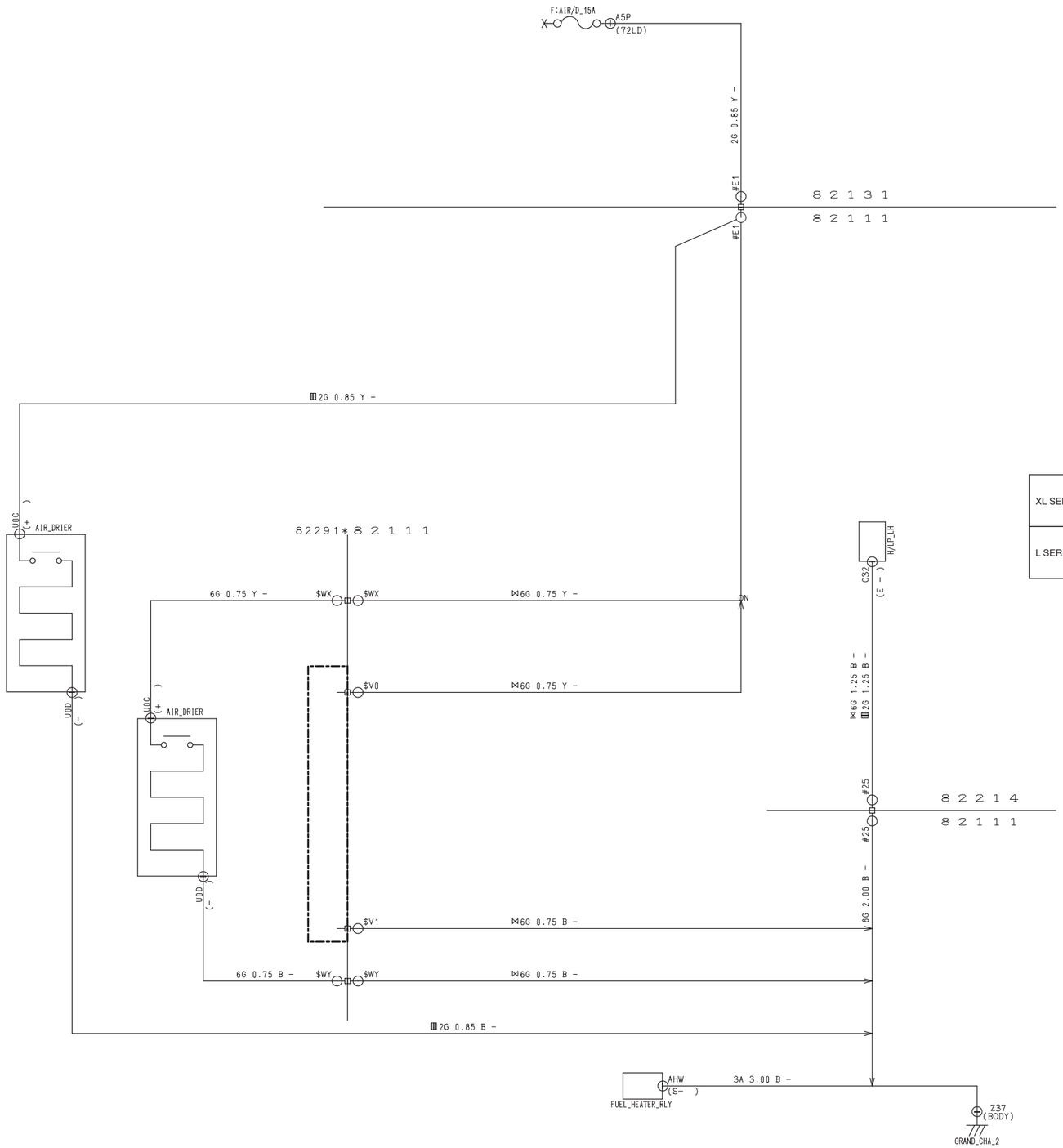
46. DIFF LOCK CONTROL CIRCUIT



		DIFF_LOCK M/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	○	○

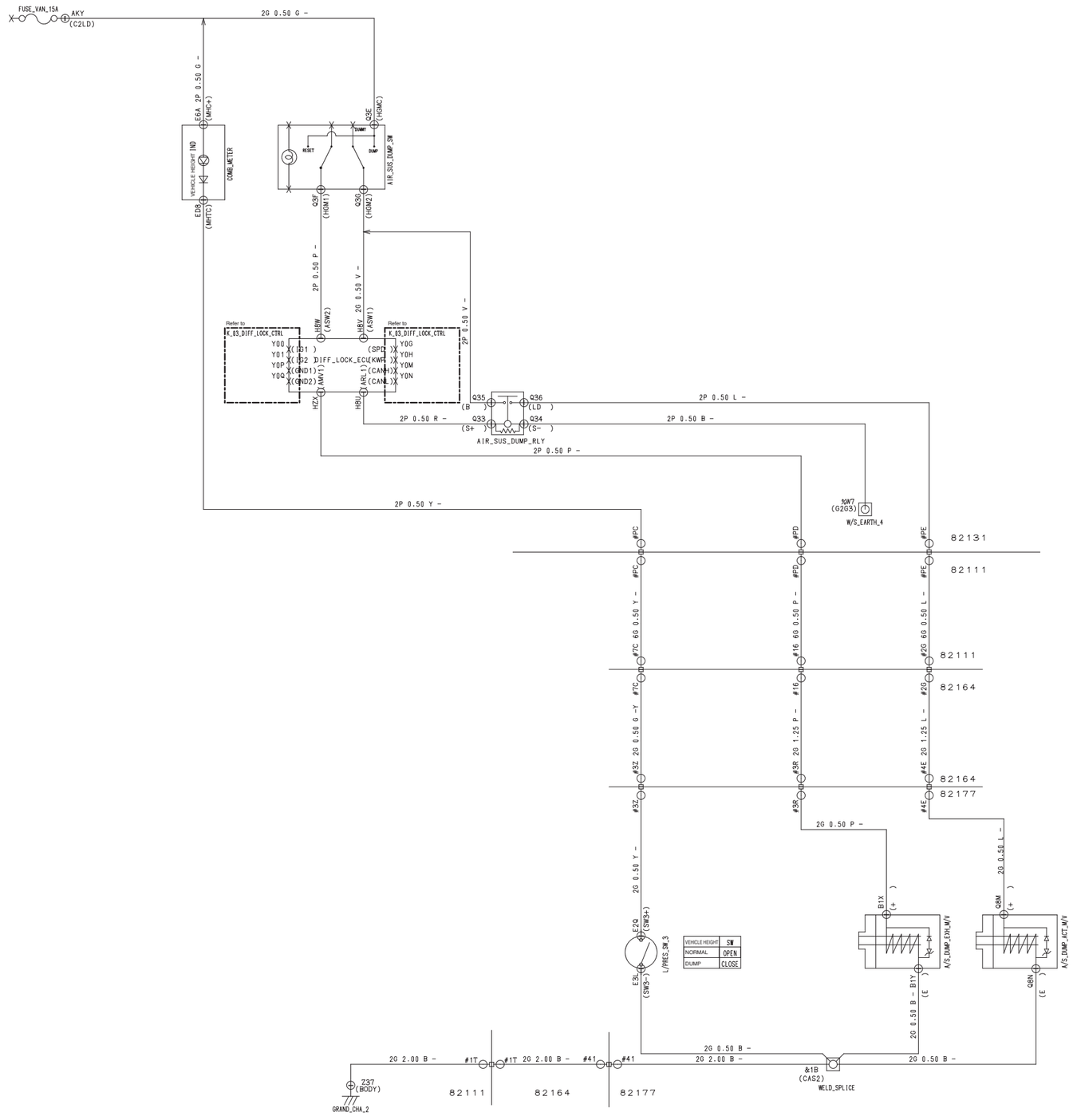
	□	○	⦶	△	⚠	⊠	✡	⊗	◪	⚠
DIFF_LOCK_DANA	○	X	X	X	X	X	X	X	X	X
INT_AXLE_DIFF_LOCK	X	○	X	X	X	X	X	X	X	X
CROSS_LOCK	X	X	○	X	X	X	X	X	X	X
INT+R1_M_D/LOCK	X	X	X	○	X	X	X	X	X	X
INT+R2_M_D/LOCK	X	X	X	X	○	X	X	X	X	X
DIFF_LOCK_WERITON	X	X	X	X	X	○	X	X	X	X
ALL MODEL	X	X	X	X	X	X	○	X	X	X
W/DIFF_LOCK	X	X	X	X	X	X	X	○	X	X
W/AIRSUS	X	X	X	X	X	X	X	X	○	X
L/DIFF_LOCK_&_W/AIRSUS	X	X	X	X	X	X	X	X	X	○

47. AIR DRIER CIRCUIT

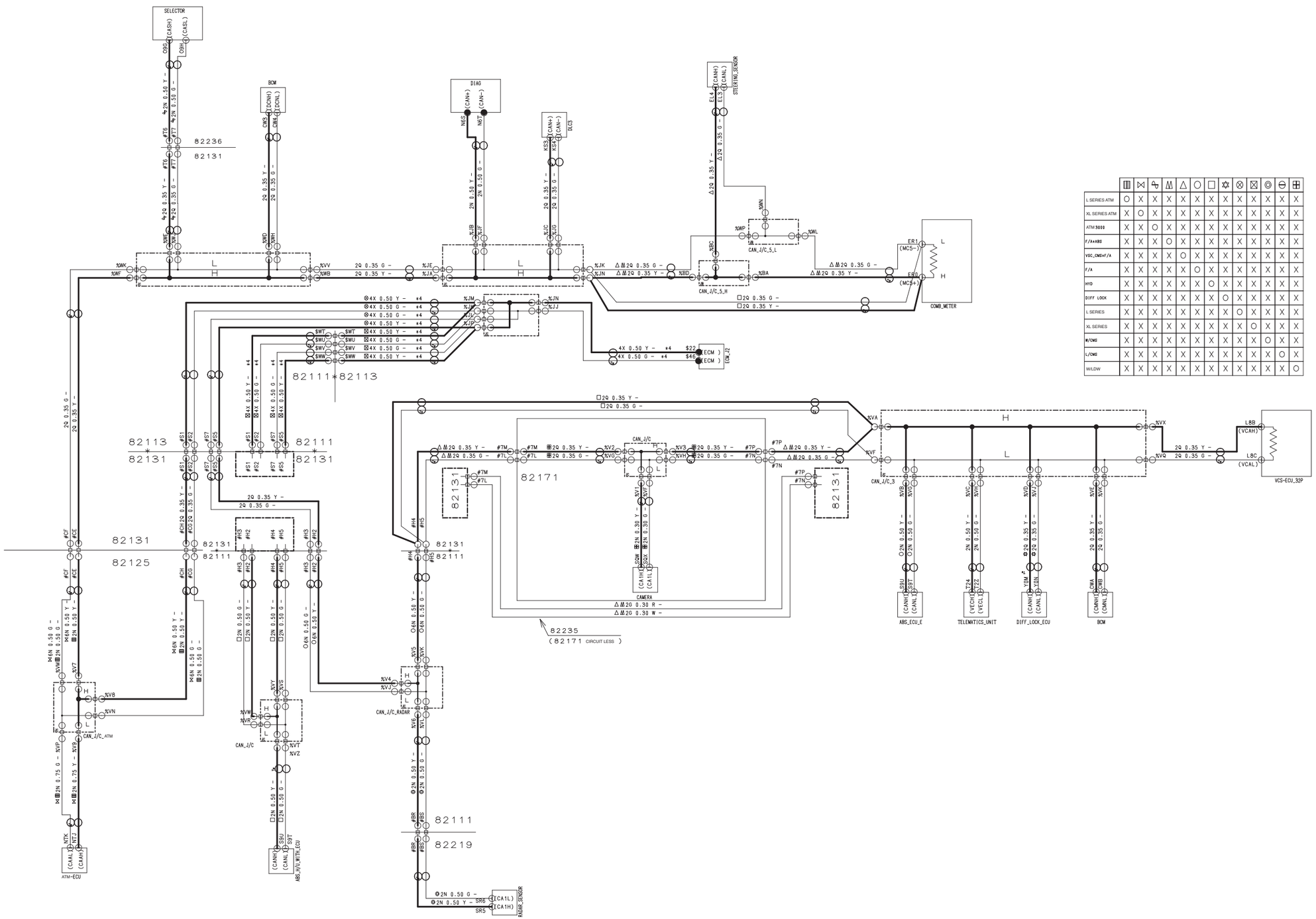


XL SERIES	○	×
L SERIES	×	○

48. AIR SUS DUMP CIRCUIT

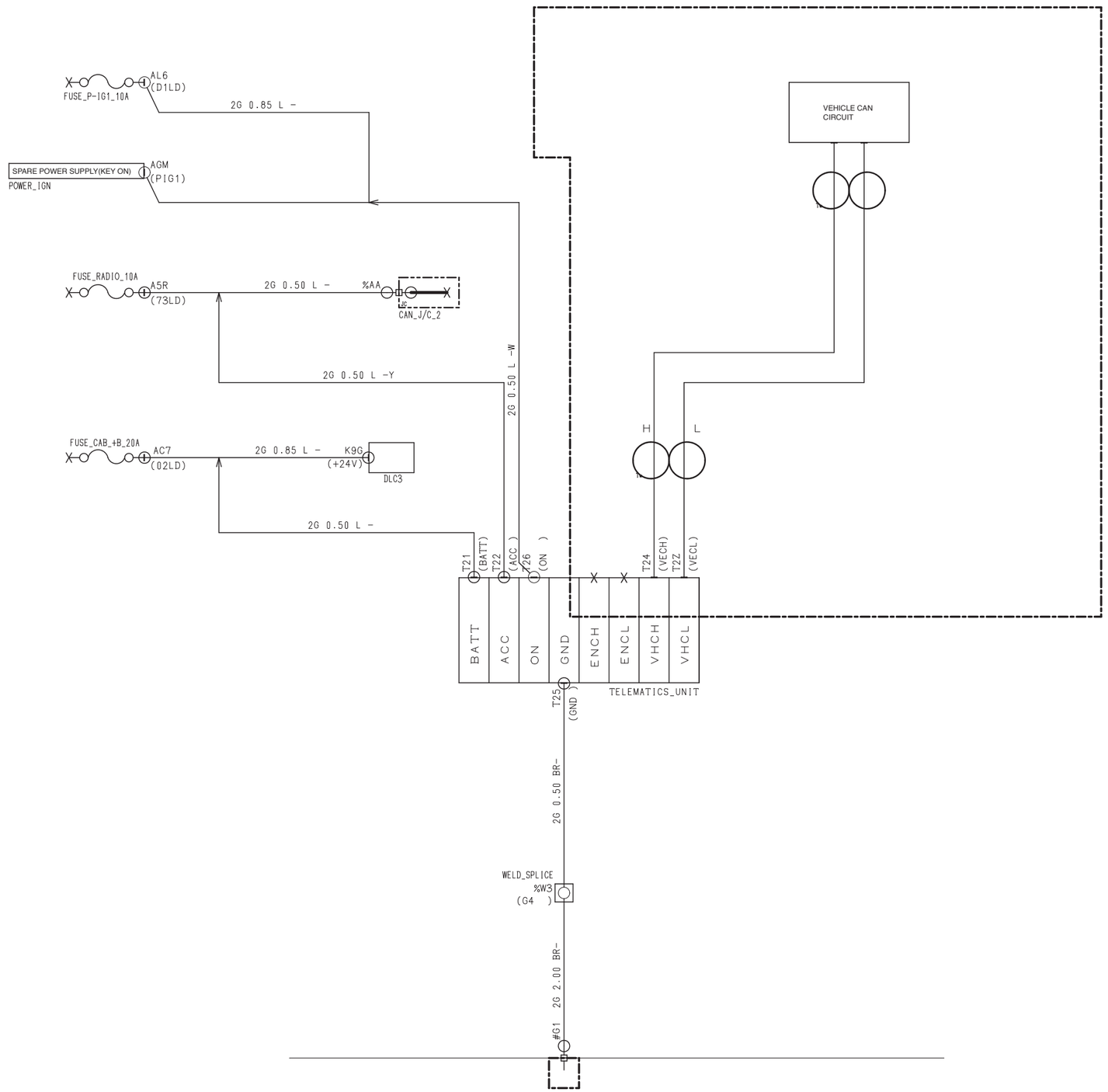


49. VEHICLE CAN CIRCUIT

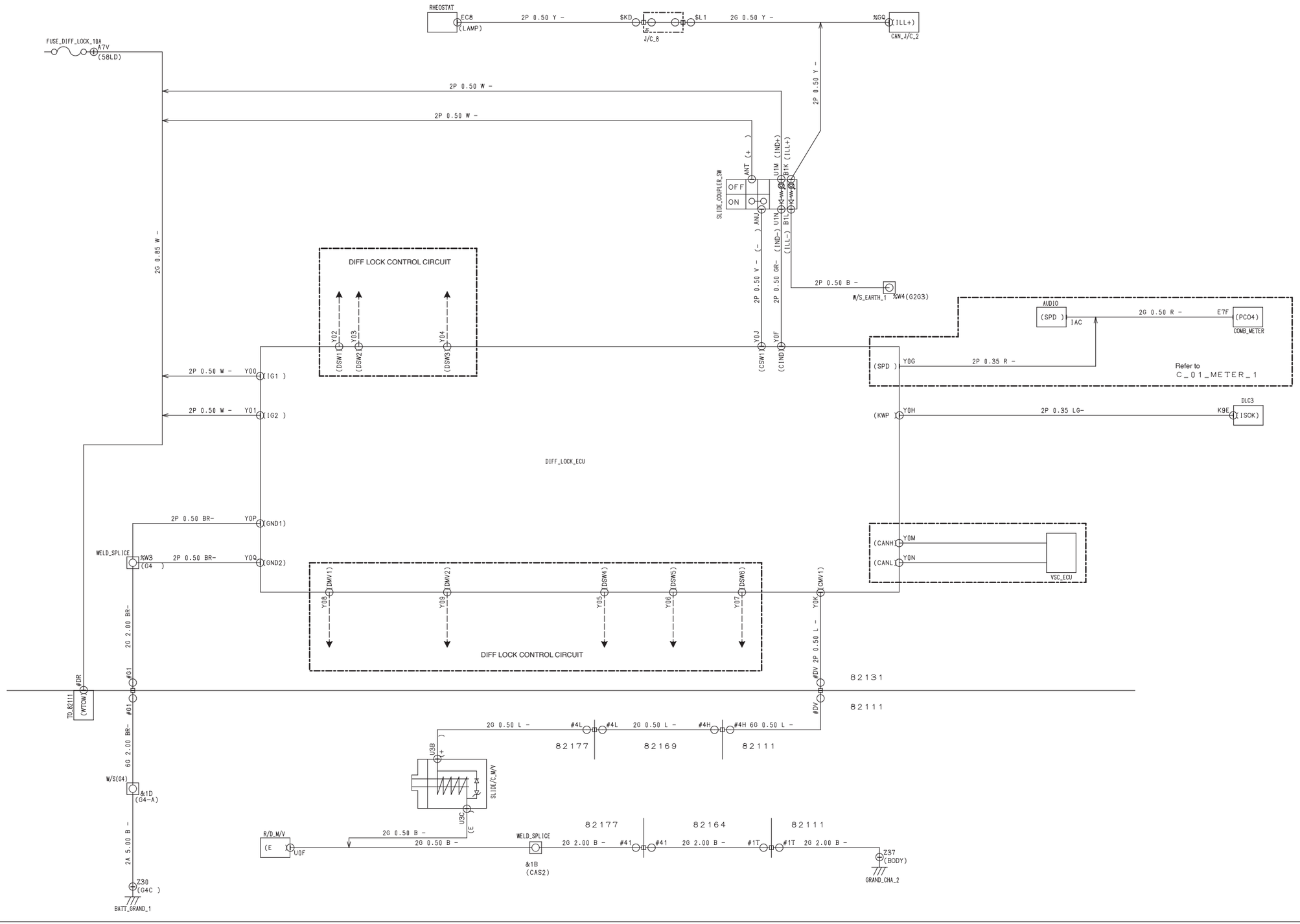


L SERIES ATM	○	X	X	X	X	X	X	X	X	X	X	X
XL SERIES ATM	X	○	X	X	X	X	X	X	X	X	X	X
ATM 3000	X	X	○	X	X	X	X	X	X	X	X	X
F/A+ABS	X	X	X	○	X	X	X	X	X	X	X	X
VSC_CMS+F/A	X	X	X	X	○	X	X	X	X	X	X	X
F/A	X	X	X	X	X	○	X	X	X	X	X	X
HYD	X	X	X	X	X	X	○	X	X	X	X	X
DIFF LOCK	X	X	X	X	X	X	X	○	X	X	X	X
L SERIES	X	X	X	X	X	X	X	X	○	X	X	X
XL SERIES	X	X	X	X	X	X	X	X	X	○	X	X
W/CMS	X	X	X	X	X	X	X	X	X	X	○	X
L/CMS	X	X	X	X	X	X	X	X	X	X	X	○
W/LDW	X	X	X	X	X	X	X	X	X	X	X	○

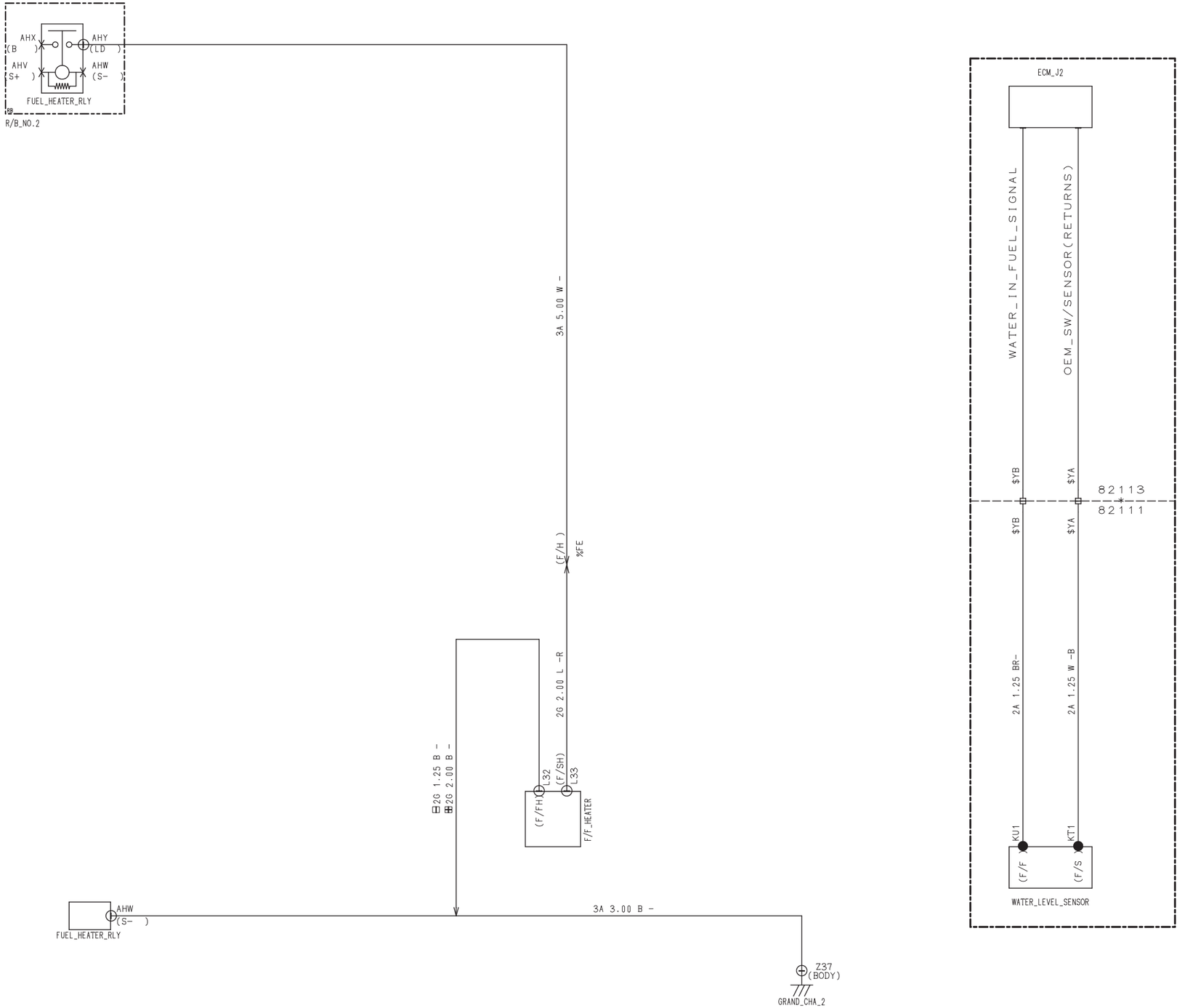
50. TELEMATICS CIRCUIT



51. SLIDE COUPLER LOCK CIRCUIT



52. FUEL FILTER SYSTEM CIRCUIT



L SERIES	○	×
XL SERIES	×	○

4. CONNECTORS

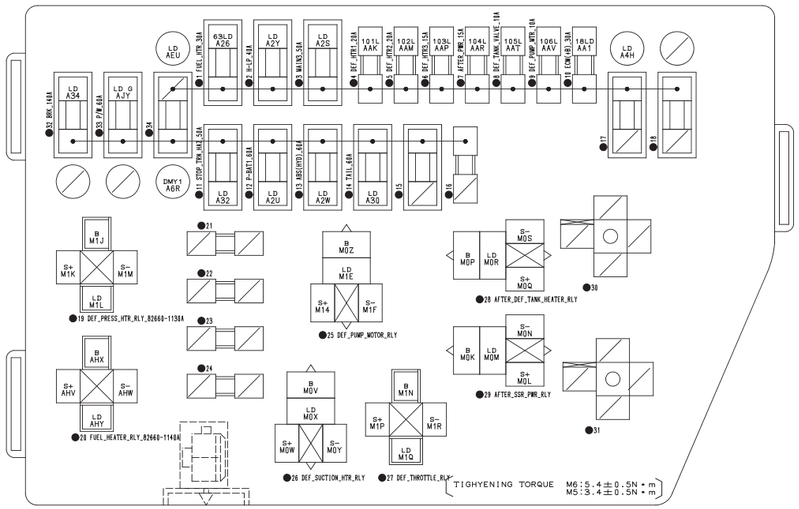
The Table of Connector No.

CONNECTOR No.
82111
82113
82122
82123
82124
82125
82126
82127
82128
82130
82131
82136
82142
82151
82152
82153
82161
82164
82165
82169
82171
82177
82213
82214
82235
82236
82284
82286
82287
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.

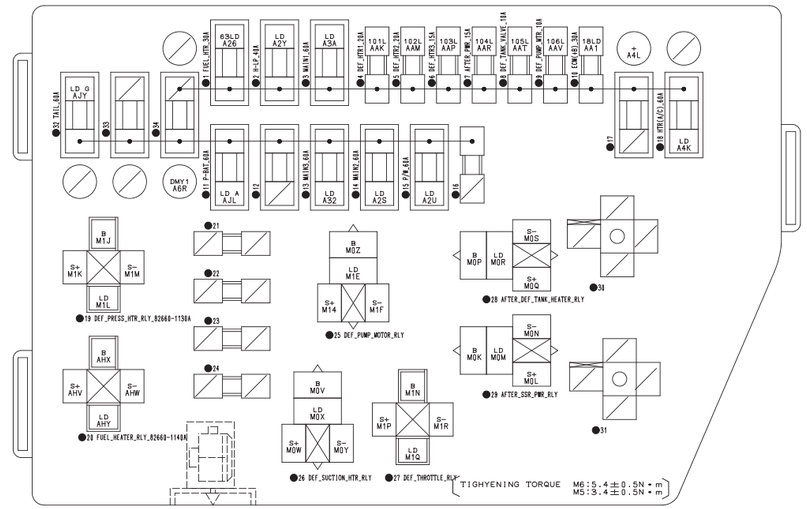
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	R/B_NO.2	B		L SERIES



*82620-1590A

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)

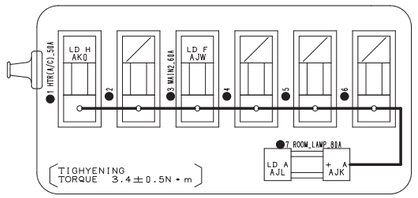
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	R/B_NO.2	B		XL SERIES



*82620-1590A

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		

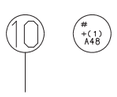


*82620-E0120

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

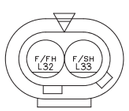
82611-2010A CONNECT

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



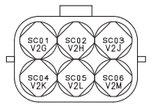
99142-15100

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
5	FUEL_HEATER	DG		



82560-3830A

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

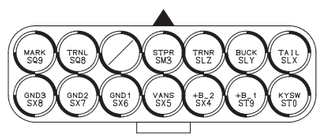


S8281-E0D80

CONNECT S8281-E0D40 COLOR:B
TO 9

RR HOLDER(S8284-E0310)

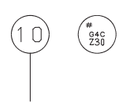
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
10	LIGHTING_IF	B		



S8281-E0M70

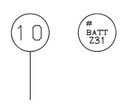
CONNECT S8281-E0M80 COLOR:B
TO 10

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



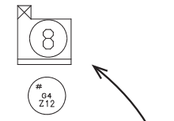
98061-0050A

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



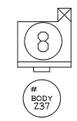
98061-0050A

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



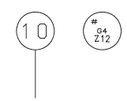
82583-1810A

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



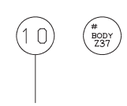
82583-1820A

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

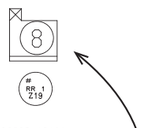


98061-0050A

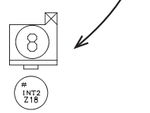
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
35	W/S_&1D			

SPLCE-W0001

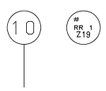
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
36	GRAND_CHA_3			XL SERIES
37	GRAND_CHA_4			XL SERIES
36	GRAND_CHA_3			L SERIES
37	GRAND_CHA_4			L SERIES
38	W/S_&1E			
40	FUEL_SENDER_LH	DG		
50	MOTOR_RLY	B		
51	FLOW_SW	GR		
52	DIFFERENT_SW	B		
53	TO_MOTOR_PUMP	B		
60	AIR_HORN_M/V	B		
61	HORN_HI(−)	B		
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		



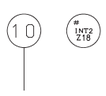
82583-1810A



82583-1820A

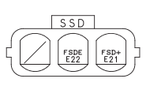


98061-0050A

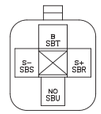


98061-0050A

SPLCE-W0001



82560-4350A

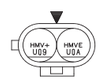


82828-1160A

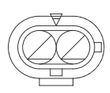
82828-1170A

82560-2530A

82580-6730B



82580-9250A

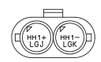

82580-7170B_CAP
COLOR(B)

82580-7590A

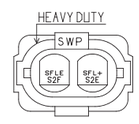
82580-7590A

82580-7590A

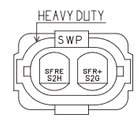
82580-7590A



S8281-E0850

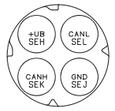


82560-4720A



82560-4720A

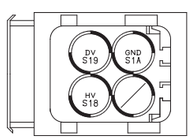
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
92	ESC_ECU_E8	B		



82560-1340A

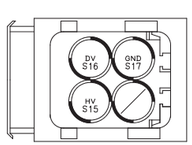
S8284-E0550

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
93	FR_AXLE_PACKAGE_LH	B		



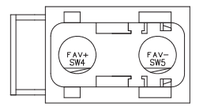
S8281-E0F50

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

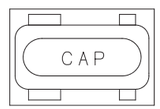


S8281-E0F50

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

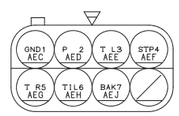


82824-E1640

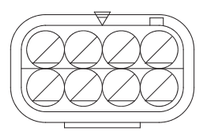


S8286-E0010

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

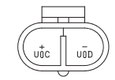


82580-6040B



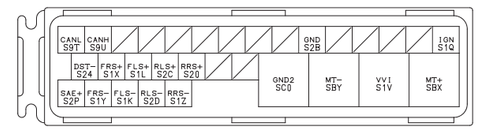
82580-6030B_CAP

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



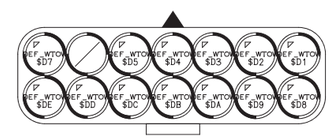
82560-4660A

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		



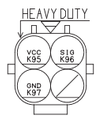
S8281-E0M70

CUMMINS:10763414

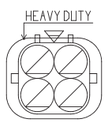
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
158	COL_LEVEL_SENSOR	B		

S8281-E0T00

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
159	REMOTE_ACCEL_PEDAL	B		



82560-1260A



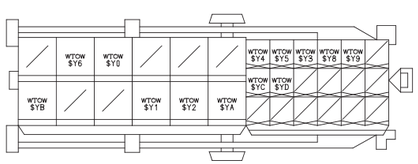
82560-1250A_CAP

COLOR(B)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
160	A/C_COMPRESSOR	B		

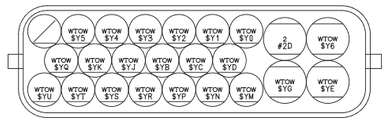
82560-1230A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
400	TO_82113_1			L SERIES



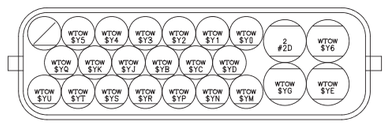
82824-E1260

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
400	TO_82113_1	B		XL SERIES 59L(15.6GAL)



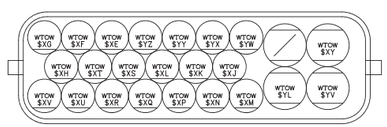
82560-1320A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
400	TO_82113_1	B		XL SERIES 28L(7.4GAL)



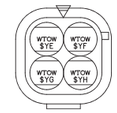
82560-1320A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82113_2	B		XL SERIES



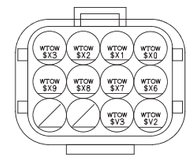
82560-1320A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82113_2	GR		L SERIES



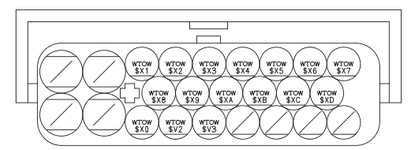
82580-7750B

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



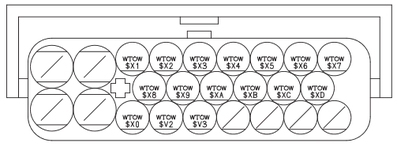
S8281-E0R00

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
402	TO_82128	B		XL SERIES 59L(15.6GAL)

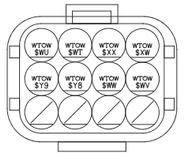


82560-1330A

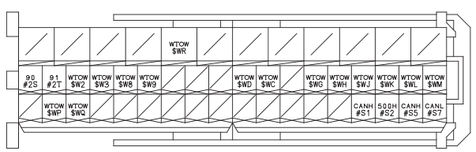
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
402	TO_82128	B		XL SERIES 28L(7.4GAL)



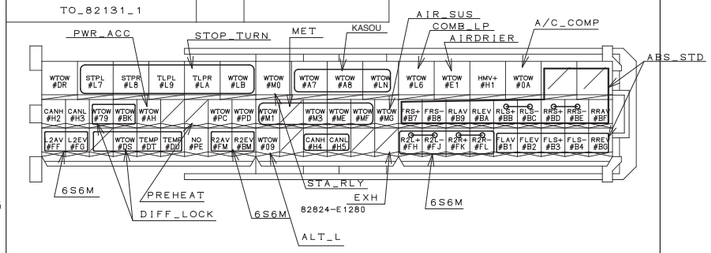
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
403	TO_82113_3	B		



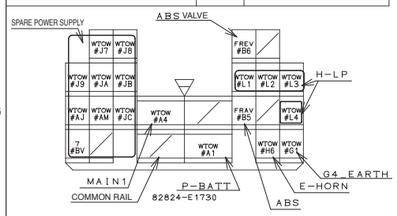
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
404	TO_82131_6			



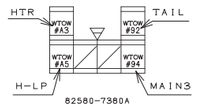
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
405	TO_82131_1			



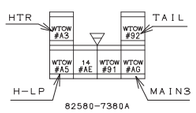
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
406	TO_82131_2	G		



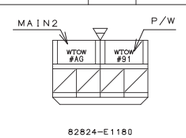
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
407	TO_82131_3			XL SERIES



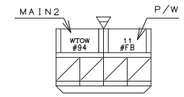
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
407	TO_82131_3			L SERIES



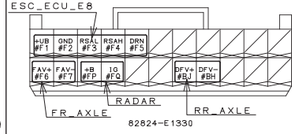
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
408	TO_82131_4			XL SERIES



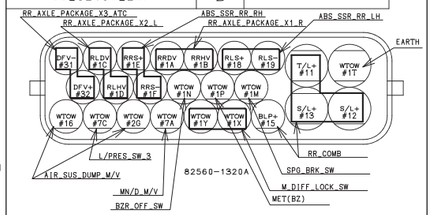
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
408	TO_82131_4			L SERIES



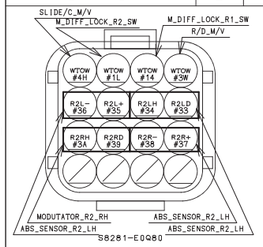
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
409	TO_82131_5			

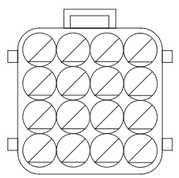


No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
410	TO_82164_24P	B		



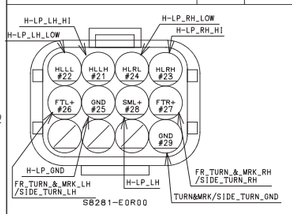
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
411	TO_82169_16P	B		



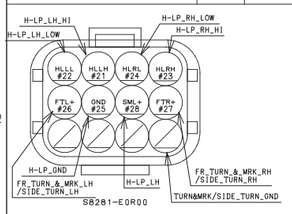


*S8281-E0Q90_CAP

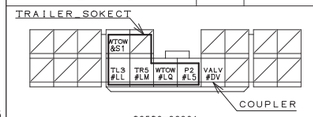
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
412	TO_82214	B		L SERIES



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

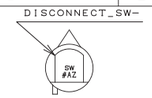


No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
415	TO_82131_6			



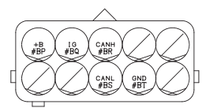
82580-9290A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
416	TO_84523	B		

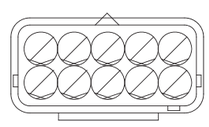


82824-E1420

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
417	TO_82219	B		

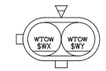


82824-E0B20

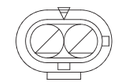


*82824-E0B10_CAP

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
418	TO_82291_FR	B		

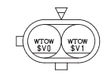


82580-7180B

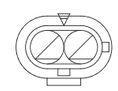


82580-7170B_CAP
COLOR(B)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
419	TO_82291_RR	B		

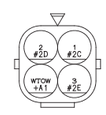


82580-7180B



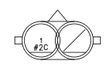
82580-7170B_CAP
COLOR(B)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
431	TO_82130_A/C_COMP	GR		L SERIES



82580-9470A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
431	TO_82130	B		XL SERIES



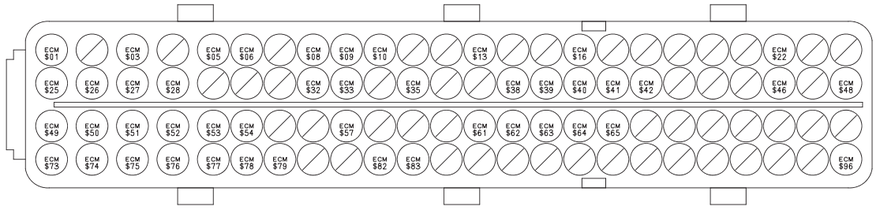
82560-1230A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
440	DEF_LINE_HEATING_DIODE	B		
	A M1S / K M1T — 82560-3800A			
	1.5A — 85902-1200A			
441	DEF_PUMP_MOTOR_DIODE	B		
	A M1G / K M1H — 82560-3800A			
	1.5A — 85902-1200A			
442	AFTER_SSR_PWR_DIODE	B		
	A M0T / K M0U — 82560-3800A			
	1.5A — 85902-1200A			
443	DEF_TANK_HTR_DIODE	B		
	A M01 / K M06 — 82560-3800A			
	1.5A — 85902-1200A			
450	WATAR_INFUEL_SSR	B		
	F/T KU1 / F/S KT1 (DT06-2S-EP02) — S8281-E0T20			
500	CAN_J/C_RADAR	GR		
	CANH %V4 / CANL %VJ / CANH %V6 / CANH %V5 / CANL %VK / CANL %VL — 82580-6040B			
	82550-1230A			
501	CAN_J/C_HYD	GR		
	CANH %VW / CANL %VR / CANH %VY / CANH %VZ / CANL %VS / CANL %VT — 82580-6040B			
	82550-1230A			
601	W/S_UREA_HTR			
	DEF_HTR %U0 — SPLCE-W0001			
602	W/S_UREA_HTR			
	DEF_HTR %U1 — SPLCE-W0001			
603	W/S_UREA_HTR			
	DEF_HTR %U2 — SPLCE-W0001			
604	W/S			
	DEF_HTR %U3 — SPLCE-W0001			
605	W/S			
	DEF_HTR %U4 — SPLCE-W0001			

82111(9/9)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
606	W/S			
	ENG_E %U5			
	SPLCE-W0001			
607	W/S			
	ENG_B %U6			
	SPLCE-W0001			
608	W/S			
	B %U7			
	SPLCE-W0001			

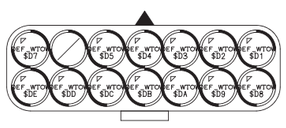
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	ECM_J2	B		



S8281-E0T50

CUMMINS:13964572

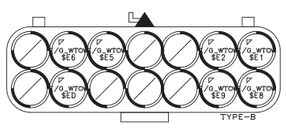
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	EX5B	B		



S8281-E0M70

CUMMINS:10763414

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



S8281-E0T10

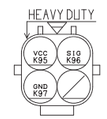
CUMMINS:13533441

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

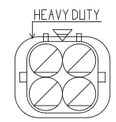
S8281-E0T00

DELPHI:12110293

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



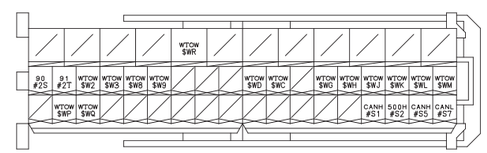
82560-1260A



82560-1250A_CAP

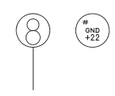
COLOR(B)

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



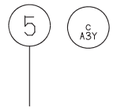
82824-E0W50

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



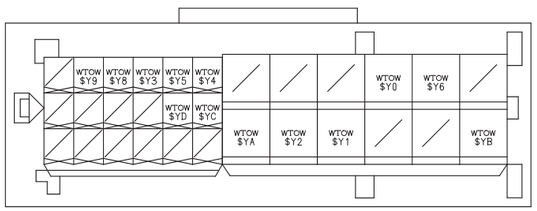
99141-12008

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



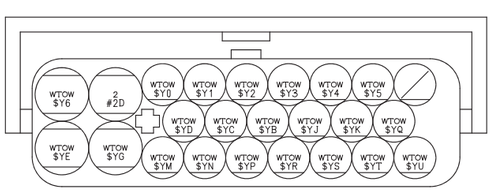
99141-12005

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



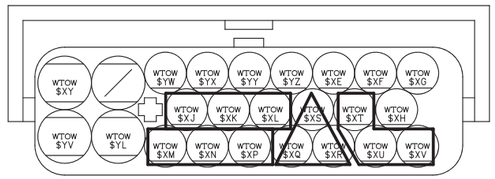
82824-E1250

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



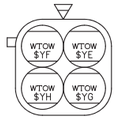
82560-1330A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82111_2	B		XL SERIES 59L(15.6GAL)



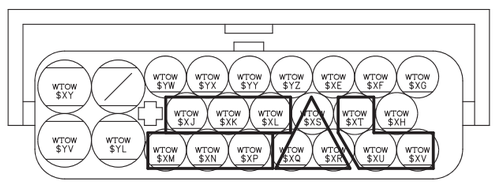
82560-1330A

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



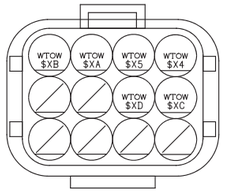
82580-7760B

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82111_2	B		XL SERIES 28L(7.4GAL)



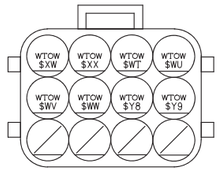
82560-1330A

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



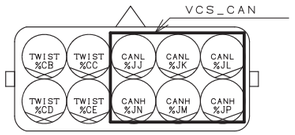
S8281-E0R00

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

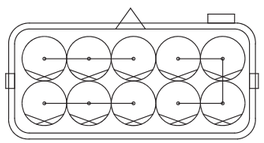


S8281-E0R10

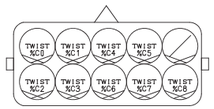
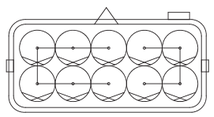
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
500	J/C_1	B		



S8281-E0E80



S8281-E0E90
COLOR(B)

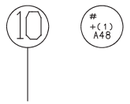
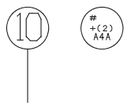
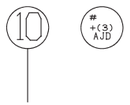
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
501	J/C_2	B		
				
	S8281-E0E80			
				
	S8281-E0F00 COLOR(GR)			
601	W/S			
	ENG_E %U5			
	SPLCE-W0001			
602	W/S			
	ENG_B %U6			
	SPLCE-W0001			
603	W/S			
	B %U7			
	SPLCE-W0001			
604	W/S			
	G4 %U8			
	SPLCE-W0001			
605	W/S			
	C %U9			
	SPLCE-W0001			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
606	W/S			
	B %UA			
	SPLCE-W0001			

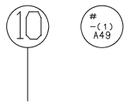
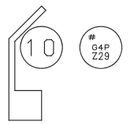
82122(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	STARTER1 12 # B A3X *82675-E0540			
2	BATTERY 10 # +(1) A48 82675-E0450			L SERIES XL SERIES_ 59L(15.6GAL)
2	BATTERY 10 # +(1) A48 *82583-1780A			XL SERIES 28L(7.4GAL)

82123(1/1)

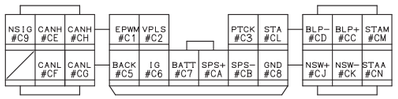
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	BATTERY1			
	 *82583-1780A			
2	BATTERY2			
	 *82583-1780A			
2	BATTERY3			LOCAL
	 *82583-1780A			

82124(1/1)

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

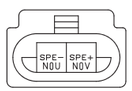
82125(1/2)

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



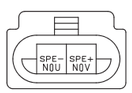
82580-9990A

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



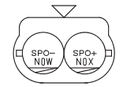
82828-1610A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
7	EG_SPEED_SENS_3(RDS)	B		



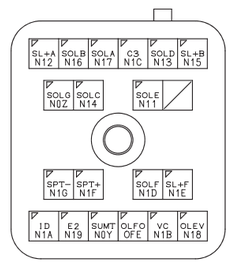
82828-1610A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
8	OUTPUT_SPEED_SENS	B		



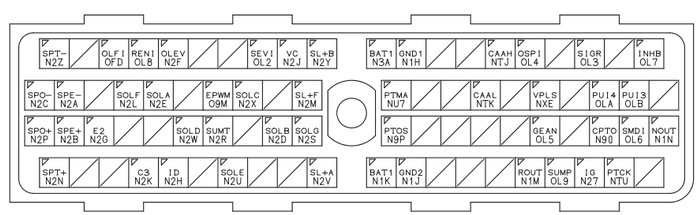
S8281-E0V10

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
9	MAIN_TRANS(ATM3000)	B		



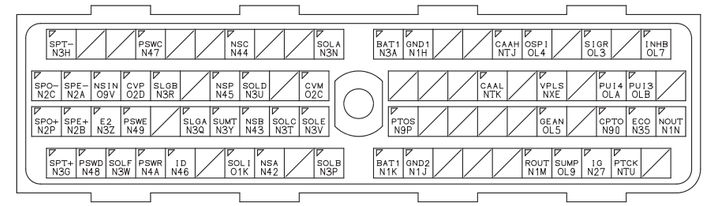
82828-1580A

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



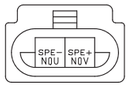
82828-1570A

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



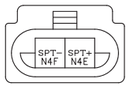
82828-1570A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
16	ENG_SPEED_SENS	B		



82828-1610A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
17	TB_SPEED_SENS	B		

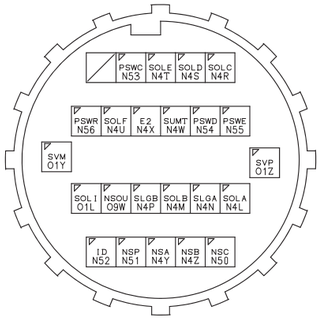


82828-1610A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
18	OP_SPEED_SENS	B		

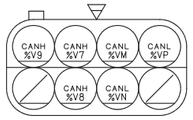
S8281-E0V10

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
19	MAIN_TRANS(ATM2000)	B		

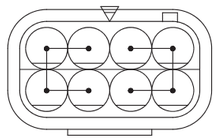


82828-1590A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
30	CAN_J/C_ATM	GR		

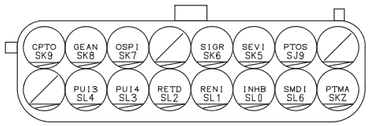


82580-6040B



82550-1230A

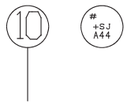
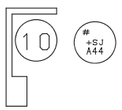
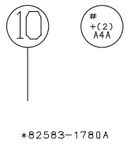
25	ALLISON_TM_IF	GR		



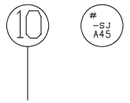
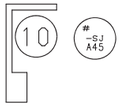
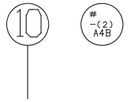
S8281-E0M20

CONNECT S8281-E0M30 COLOR:GR
TO 25

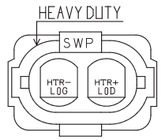
82126(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	JUMP_STUD_POS			XL SERIES
	 *82583-1780A			
1	JUMP_STUD_POS			L SERIES
	 82583-1850A			
2	BATTERY2_(+)			
	 *82583-1780A			

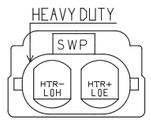
82127(1/1)

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			

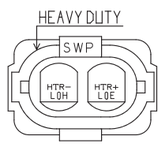
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	UREA_HTR_PL	B		
2	UREA_HTR_SL	B		XL SERIES L SERIES_ 28L(7.4GAL)
2	UREA_HTR_SL	B		L SERIES 59L(15.6GAL)
3	UREA_HTR_RL	B		XL SERIES L SERIES_ 28L(7.4GAL)
3	UREA_HTR_RL	B		L SERIES 59L(15.6GAL)



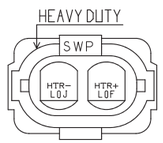
82560-4720A



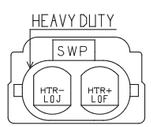
82560-4730A



82560-4720A

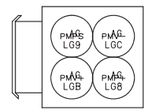


82560-4720A

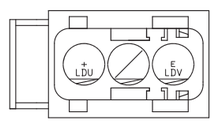


82560-4730A

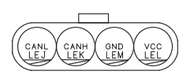
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
4	SUPPLY_MODULE	B		
5	W/C_CONTROL_M/V	B		
6	UREA_SENSOR	B		
30	CAN_TMN1	B		



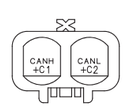
S8281-E0F40



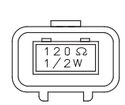
82824-E1620



S8281-E0M00

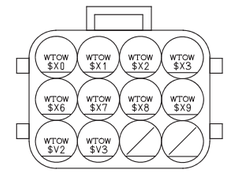


82560-2700A

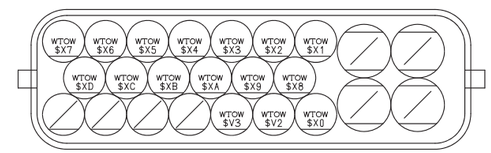


89613-1020A

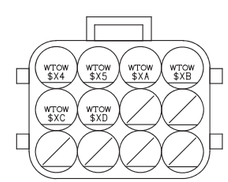
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82111	B		L SERIES
401	TO_82111	B		XL SERIES
402	TO_82113	B		



S8281-E0R10



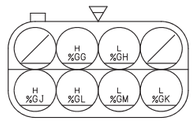
82560-1320A



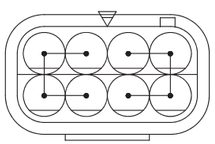
S8281-E0R10

82128(2/2)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
500	J/C_LOCAL_CAN	GR		

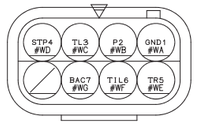
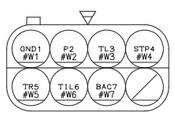


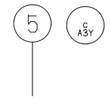
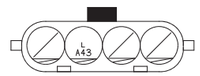
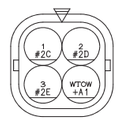
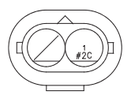
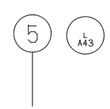
82580-6040B



82550-1230A

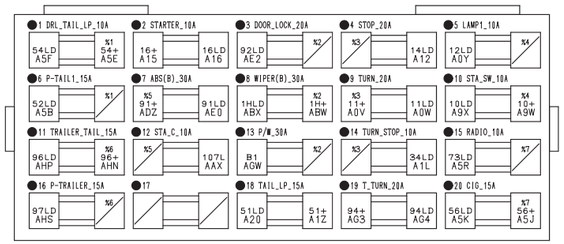
82130(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82111	B		SAE-E&B (ONLY CONNECT)
	 82580-6030B			
1	MOTOR_PUMP			HYDRAULIC BRAKE
	98060-5050A			
1	A/C_COMPRESSOR	B		L SERIES
	82560-1230A			
2	TRAILER_SOCKET	B		SAE-E&B (ONLY CONNECT)
	 82580-6040B			
2	TO_FR/H	B		HYDRAULIC BRAKE
	82580-6720B			
	82586-1060A			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
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			

82131(1/13)

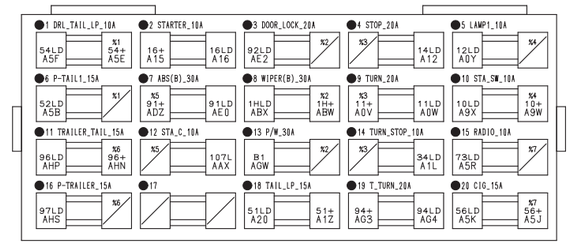
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	FUSE 1	B		L SERIES



*82610-E0090

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

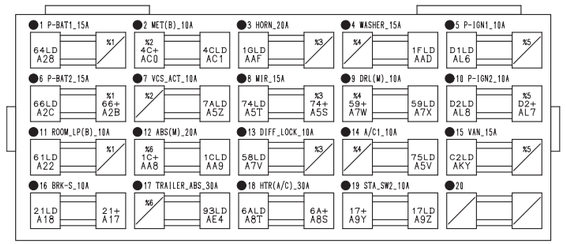
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	FUSE 1	B		XL SERIES



*82610-E0090

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

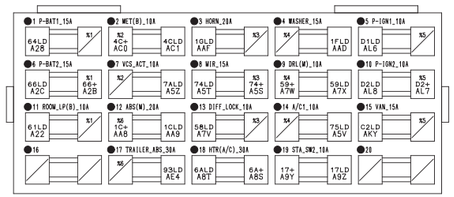
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	FUSE 2	B		L SERIES



*82610-E0090

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

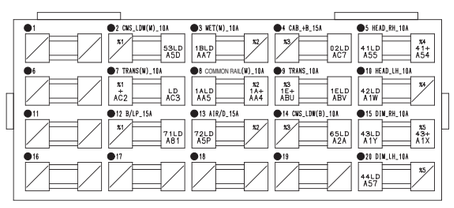
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	FUSE2	B		XL SERIES



*82610-E0090

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

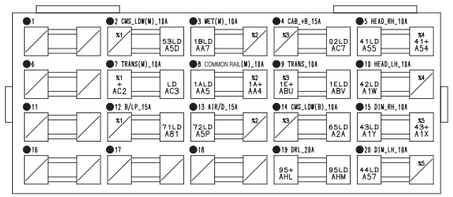
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
3	FUSE3	B		XL SERIES



*82610-E0090

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

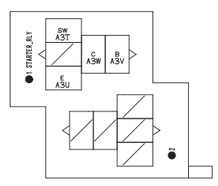
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
3	FUSE3	B		L SERIES



*82610-E0090

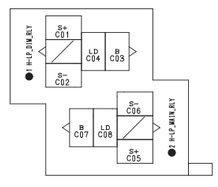
10A:SZ980-57051 15A:SZ980-57052 20A:SZ980-57053 30A:SZ980-57058

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
4	CASSET_RLY	B		



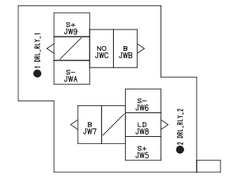
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
5	CASSET_RLY	B		



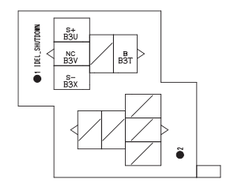
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
7	CASSET_RLY	B		



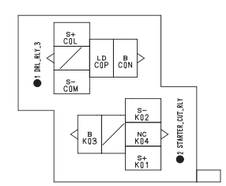
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
8	CASSET_RLY	B		



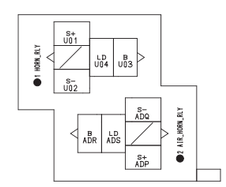
*82660-E0060

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



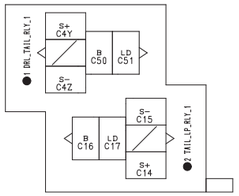
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
11	CASSET_RLY	B		



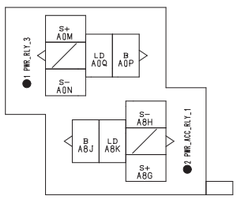
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
12	CASSET_RLY	B		



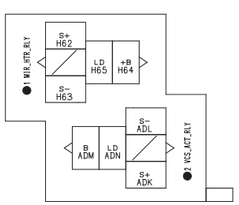
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
13	CASSET_RLY	B		



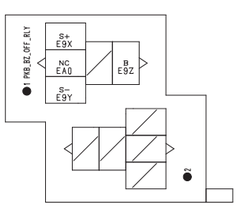
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
14	CASSET_RLY	B		



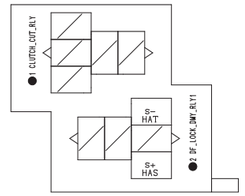
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
15	CASSET_RLY	B		L SERIES



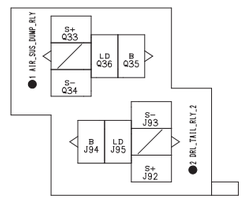
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
15	CASSET_RLY	B		XL SERIES



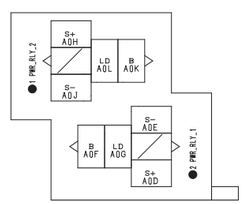
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
16	CASSET_RLY	B		



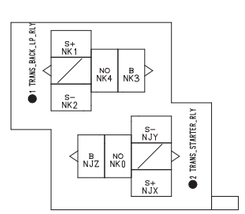
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
17	CASSET_RLY	B		



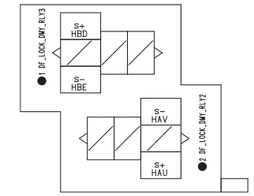
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
18	CASSET_RLY	B		



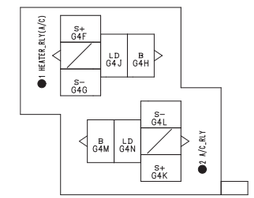
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
19	CASSET_RLY	B		



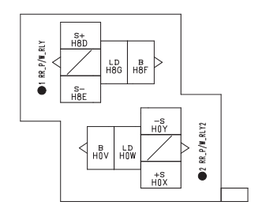
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
20	CASSET_RLY	B		



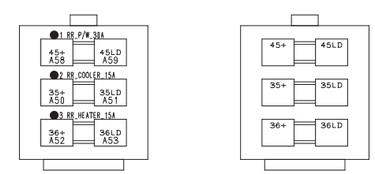
*82660-E0060

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
21	CASSET_RLY	B		

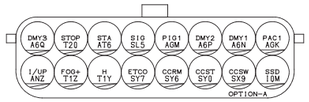
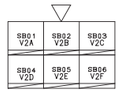
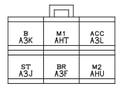
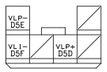
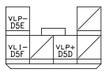


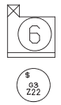
*82660-E0060

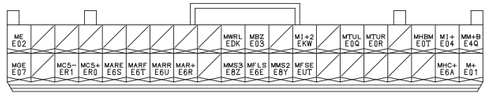
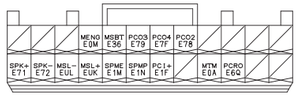
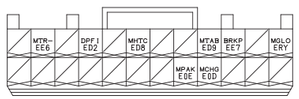
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
23	CASSET_FUSE	B		



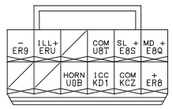
*87348-E0010
15A:9008-57153A
30A:9008-57159A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
25	BODY_BUILDER_IF	B		
	 S8281-E0N00			
26	OPT_CONN_CAB	GR		
	 S8281-E0M60			
27	STARTER_SW			
	 82560-3630A			
28	WORKING_LAMP_SW	L		WORKLAMP (CAB BACK)
	 82824-E0U10			
28	VAN_LAMP_SW	L		REAR BODY ROOMLAMP
	 82824-E0U10			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
52	GRAND_AUDIO			
	82583-1670A			
53	GRAND_DR1			
	82583-1670A			
54	GRAND_DR2			
	 82583-1640A			
55	W/S_EARTH_1			
	SPLCE-00001			
56	W/S_EARTH_2			
	SPLCE-00001			
57	W/S_EARTH_3			
	SPLCE-00001			

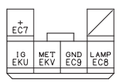
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
58	W/S_EARTH_4			
	SPLCE-00001			
59	W/S_EARTH_5			
	SPLCE-00001			
80	COMB_METER_40P	B		
	 82824-E0P30			
81	COMB_METER_24P_A	B		
	 82824-E0P40			
82	COMB_METER_24P_B			
	 82824-E0P40			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
83	COMB_SW_SRC	B		



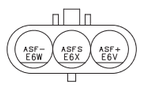
82824-E1150

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
84	RHEOSTAT	GR		



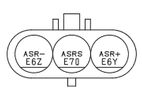
82824-E0U10

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
85	AIR_GAGE_SNSR_FR	B		



82580-8980A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
86	AIR_GAGE_SNSR_RR			

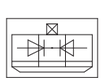


82580-8980A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
87	PKB_OFF_DIODE	GR		

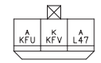
82560-4180A

7283-1233-40

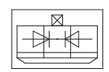


85902-1210A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
101	DRL_TAIL_DIODE	GR		

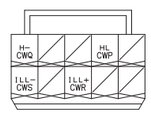


82560-4180A



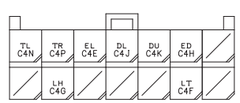
85902-1210A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
103	HAZARD_SW	B		



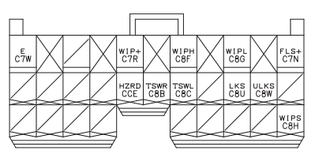
82824-E0P70

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
104	LIGHT&TURN_SW	B		



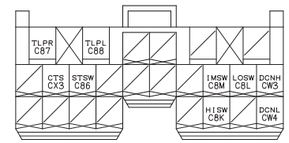
82560-2100A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
105	BCM_26P	B		



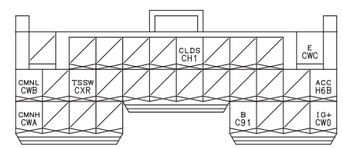
82824-E0S40

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
106	BCM_24P	B		



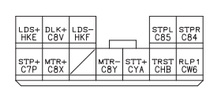
82824-E0S30

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
108	BCM_30P	B		



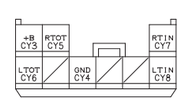
82824-E0Y40

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
109	BCM_12P			



82580-8740A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
110	T_TURN_UNIT			



82560-2250A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
111	HL_DIODE	B		

82560-4230A

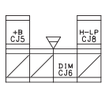
85902-1230A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
113	DRL_DIODE_1	GR		

82560-4180A

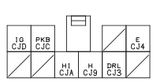
85902-1210A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
115	DRL_ECU(1)	B		



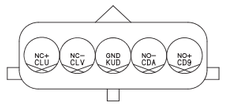
82580-7380A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
116	DRL_ECU(2)	B		



82824-E0Y50

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
117	NP_BRAKE_SW_NO	B		

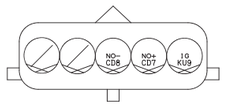


82828-1630A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
118	STOP_LP_SW	B		

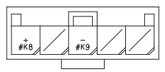
82828-1310A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
119	NP_STOP_LP_SW	B		



82828-1630A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
120	FLASHER_SHORT			

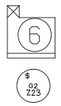


82560-2540A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
121	GRAND_AS1			

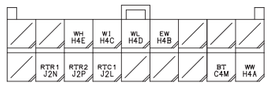
82583-1670A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
122	GRAND_AS2			



82583-1640A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
130	WIPER&RETARDER_SW			

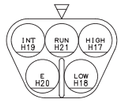


82560-2230A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
131	WASHER_PUMP_MOTOR	B		

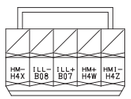
82580-6820B

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
132	WIPER_MOTOR			



82580-7270B

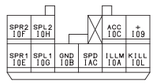
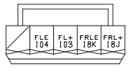
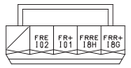
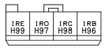
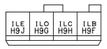
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
134	MIRROR_HEATER_SW	B		

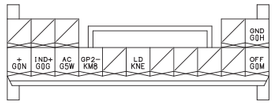
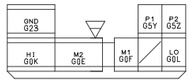


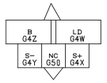
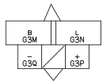
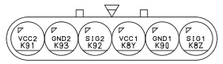
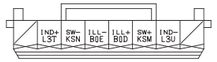
82824-E0P70

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
136	CIG_LIGHTER			

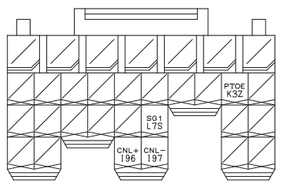
82580-4610A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
138	USB_SOCKET	B		
	82824-E1710			
142	AUDIO			
	 82824-E0V20			
143	FR_SPEAKER_LH			
	 82824-E0N30			
144	FR_SPEAKER_RH			
	 82824-E0N30			
150	IN/RH_SW	L		
	 82560-2860A			
151	IN/LH_SW			
	 82560-2840A			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
160	A/C_SWITCH			
	 82824-E0E40			
161	BLOWER_MOTOR	B		
	82824-E0T40			
162	BLOWER_SWITCH			
	 82824-E0W90			
163	BLOWER_REGISTER	B		
	82580-9270A			
165	THERMISTOR			
	82560-2510A			

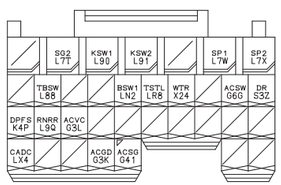
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
166	A/C_DIODE			
	82560-2030A			
	85902-1100A			
167	RR_HEATER_RLY			
	 S8281-E0R30			
168	RR_COOLER_RLY			
	 S8281-E0R30			
180	ACCEL_SSR	B		
	 82824-E1590			
181	DPR_REFRESH_SW	B		
	 82824-E1B10			

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



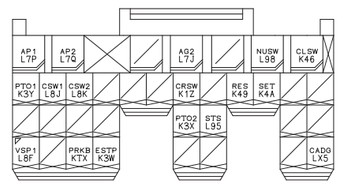
82824-E0060

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



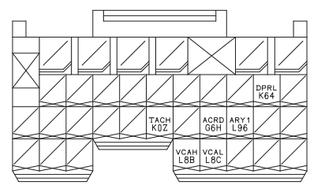
82824-E0080

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



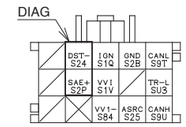
82824-E0090

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



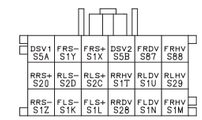
82824-E0100

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
210	ABS_ECU_E	B		



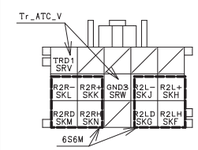
82580-9490A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
211	ABS_ECU_F	GR		



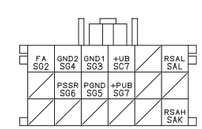
82580-9480A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
212	ABS_ECU_G	GR		



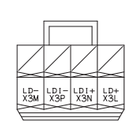
82580-9510A

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		



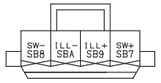
82824-E1690

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
215	STEERING_SENSOR	B		
217	VSC_OFF_SW	GR		
220	MONITOR_MODULE	GR		
240	STP_ATM_DIODE_3P	B		TRAILER

215

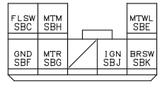
82824-E0U70

217



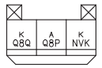
82824-E1B30

220

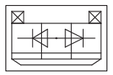


82824-E0U80

240



82560-4230A



85902-1230A

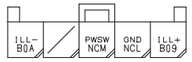
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
240	STP_ATM_DIODE	B		Except TRAILER
241	TM_MODE_SW			
242	ATM_BK_SW_DIODE	B		

240

82560-3800A

85902-1200A

241



82560-2550A

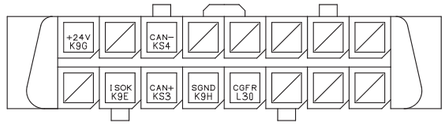
242

82560-3800A

85902-1200A

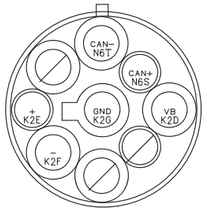
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
250	DLC3	B		
251	DIAG	G		
252	DIFF_LOCK_ON/OFF_SW	B		
253	DIFF_LOCK_CNG_SW	L		

250



S8281-E0L90

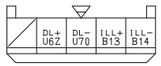
251



S8281-E0M90

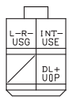
CAP:82585-1250A

252



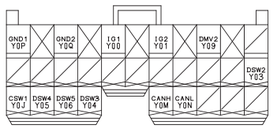
82824-E0U00

253



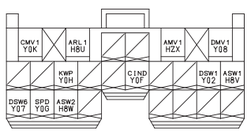
82824-E0U70

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
254	DIFF_LOCK_ECU(26P)			



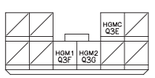
82824-E0S40

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
255	DIFF_LOCK_ECU(24P)			



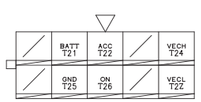
82824-E0S30

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
256	AIR_SUS_DUMP_SW			



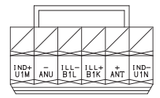
82580-7210A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
258	TELEMATICS_INFO			



S8281-E0M40

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
261	SLIDE_COUPLER_SW	B		

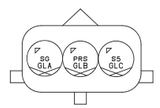


82824-E1150

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
270	CAN_IF	B		

S8281-E0M50

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
280	A/C_PRES_SSR	B		



82824-E0X30

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
281	STA_CUT_DIODE	B		

82560-3800A

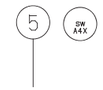
85902-1200A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
282	IDLE_SHUTDOWN_DIODE	B		

82560-3800A

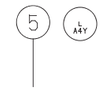
85902-1200A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
283	HEATER_RLY_SW			



99141-11005

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
284	HEATER_RLY_L			

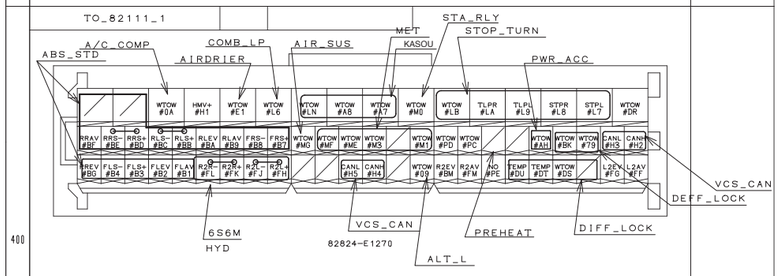


99141-11005

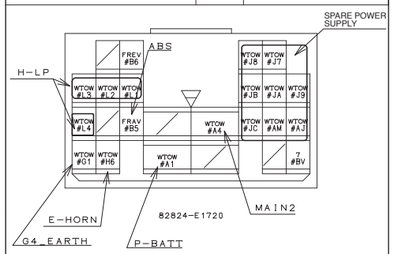
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
285	FAN_CLUTCH_S/V	B		

S8281-E0000

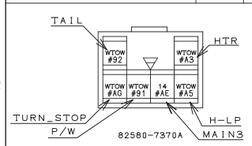
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
400	TO_82111_1			



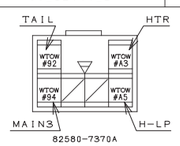
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
401	TO_82111_2	G		



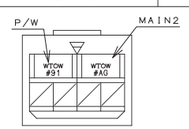
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
402	TO_82111_3			L SERIES



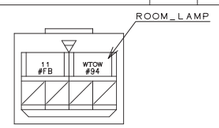
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
402	TO_82111_3			XL SERIES



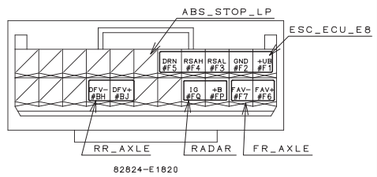
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
403	TO_82111_4			XL SERIES



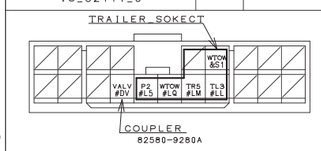
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
403	TO_82111_4			L SERIES



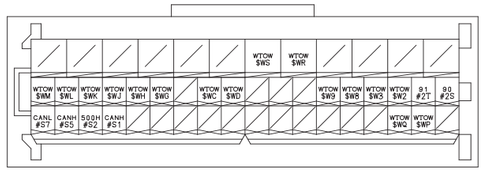
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
404	TO_82111_5			



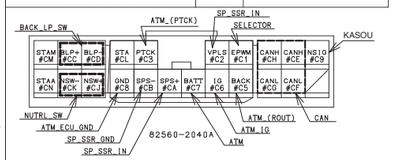
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
405	TO_82111_6			



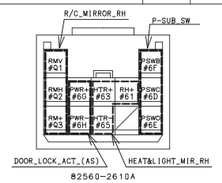
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
406	TO_82113			



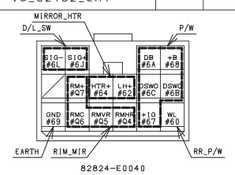
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
407	TO_82125			



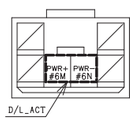
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
408	TO_82151_RH	○		



No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
409	TO_82152_LH1			

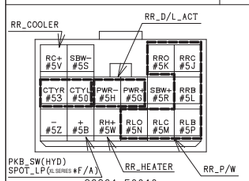


No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
410	TO_82152_LH2			



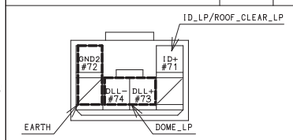
82580-6050A

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



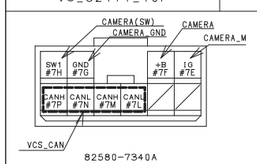
82824-E0040

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



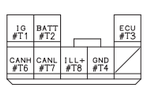
82580-6050A

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			



82824-E0U80

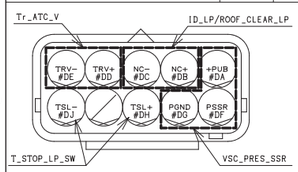
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
418	TO_EARTH_1			

82824-E0U40

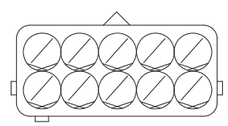
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
419	TO_EARTH_2			

82580-7320A

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

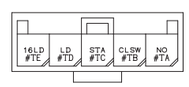


82824-E0B10



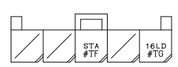
*82824-E0B20_CAP
COLOR(B)

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

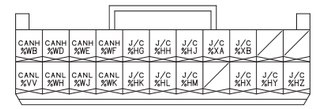


82560-2550A

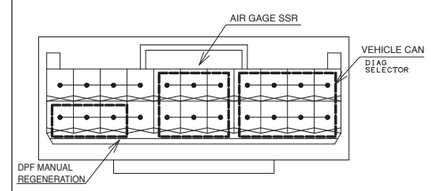
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
425	DIAG_CUT_OFF	GR		

82824-E0U30

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

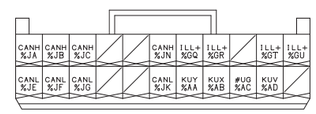


82824-E1330

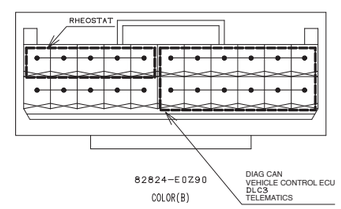


82824-E0Z40
COLOR(L)

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

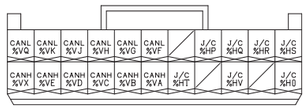


82824-E1330

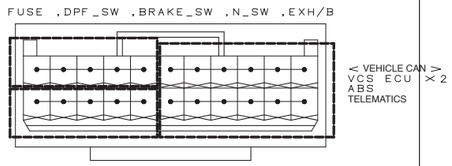


82824-E0Z90
COLOR(B)

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



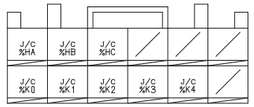
82824-E1330



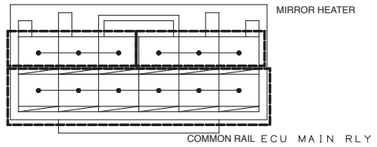
82824-E0Z90

COLOR(B)

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



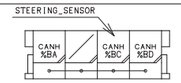
82824-E1390



82824-E0Z30

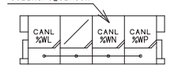
COLOR(B)

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



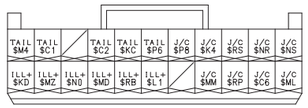
82550-1360A

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

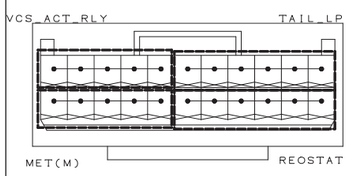


82550-1360A

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



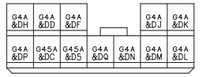
82824-E1330



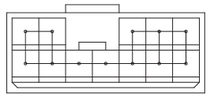
82824-E0Z90

COLOR(B)

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



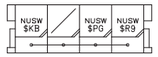
82824-E0U90



82550-1040A

COLOR(L)

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

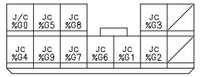


82550-1360A

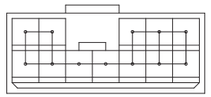
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
514	J/C_10			

82550-1360A

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



82824-E0U90

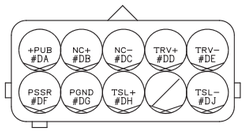


82550-1040A

COLOR(L)

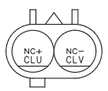
82136(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82131	B		



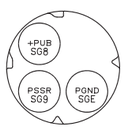
82824-E0B20

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	BRAKE_SW(NC)	B		



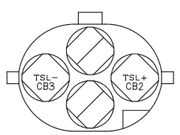
82580-6820B

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
3	VSC_PRES_SSR	B		



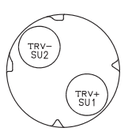
S8281-E0G80

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
4	T_STOP_LP_SW	B		



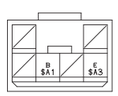
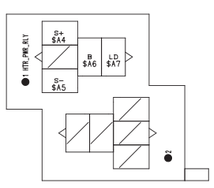
S8281-E0E70

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
5	Tr_ATC_V	B		

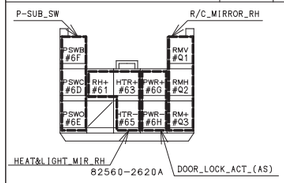
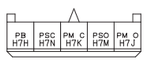
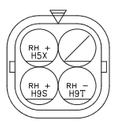
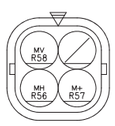


S8281-E0P00

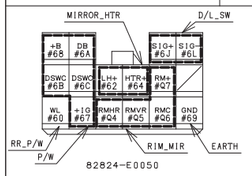
82142(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	HTR_NAGATIVE	B		
	82580-7590A			
2	HTR_SWITCH	B		
	82824-E1690			
3	GRAND			
	98060-6020A			
4	TO_82131_253	L		
	82580-8380A			
5	TO_82131_28	L		
	 82580-6050A			
6	HTR_RELAY			
	 *82660-E0060			

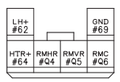
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
7	HTR_POSITIVE	B		
	82580-7590A			

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

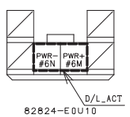
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82131_16P			W / POWER WINDOW



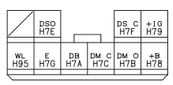
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82131_LH1			L / POWER WINDOW



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

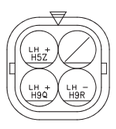


No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
3	D-MASTER_SW			

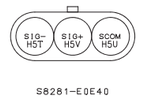


No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
4	P/W_MTR_(DR)	GR		

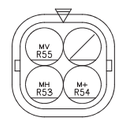
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
5	HEAT&LIGHT_MIR_LH			



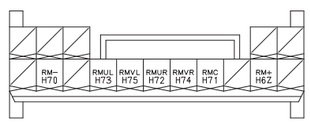
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
6	DOOR_LOCK_SW_(DR)	GR		



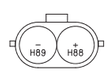
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
7	R/C_MIRROR_LH	B		



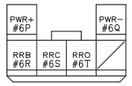
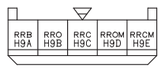
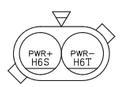
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
8	RIM_MIRROR_SW			



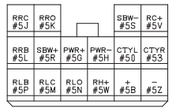
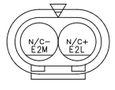
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
10	DOOR_LOCK_ACT_(DR)	GR		

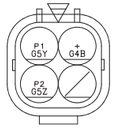
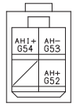
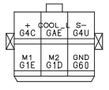


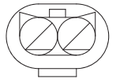
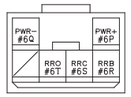
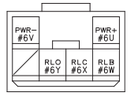
82153(1/1)

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			
	 82580-7660B			
5	W/S_DOOR_DMY			
	SPLCE-00001			

82161(1/1)

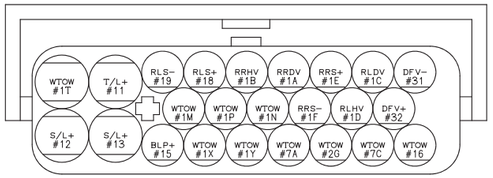
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82131_16P			
	 82824-E0050			
2	CTY_SW_FR_R			
	82824-E0U30			
3	CTY_SW_FR_L			
	82824-E0U30			
4	SPOT_LAMP	B		
	82580-9420A			
5	PKB_SW	B		
	 82560-2940A			
7	S/B_SW	B		
	82580-6820B			
10	CTY_SW_RR_R			
	82824-E0U30			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
11	CTY_SW_RR_L			
	82824-E0U30			
12	RR_HEATER_UNIT	B		
	 82580-8340B			
13	RR_HEATER_SW	GR		
	 82580-8380A			
14	RR_COOLER_UNIT	B		
	 82560-2920A			
15	RR_BLOWER_SW			
	82580-6920A			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
16	COOLER_MAGNET_VALVE	GR		
	82580-6600B			
	 82580-6590B_CAP COLOR(GR)			
50	TO_82153_RH			
	 82580-6050A			
51	TO_82153_LH			
	 82580-6050A			

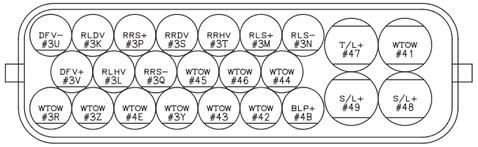
82164(1/1)

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



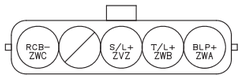
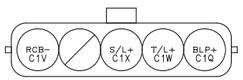
82824-E0K00

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



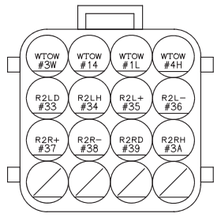
82560-1320A

82165(1/1)

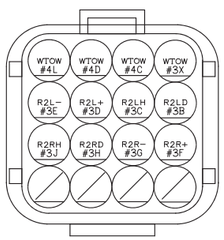
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	RR_COMB_LH_OUT	B		
	 S8281-E0D70			
3	RR_COMB_RH	B		
	 S8281-E0D70			

82169(1/1)

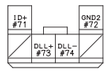
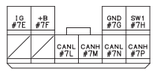
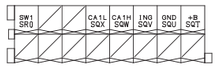
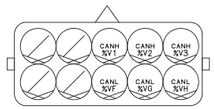
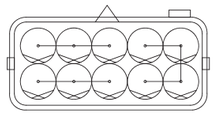
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82111_16P	B		
2	TO_82177_16P	B		



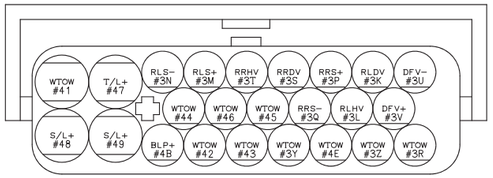
S8281-E0Q90



S8281-E0Q80

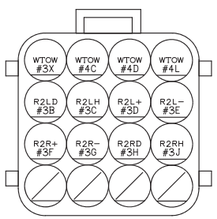
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	TO_82131_6P			
	 82824-E0U10			
2	TO_82131_10P			
	 82580-7210A			
3	ROOF_C/L_LH	B		
	82580-7320A			
4	ID_LAMP_LH	B		
	82580-7320A			
5	ID_LAMP_CTR	B		
	82580-7320A			
6	ID_LAMP_RH	B		
	82580-7320A			
7	ROOF_C/L_RH	B		
	82580-7320A			
8	DOME_LAMP_RH	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

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
1	TO_82164_24P	B		



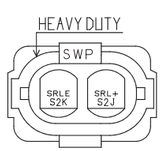
82824-E0K00

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
2	TO_82169_16P	B		



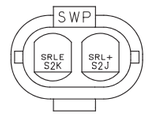
S8281-E0Q90

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
3	ABS_SENSOR_RR_LH	B		HYDRAULIC BRAKE



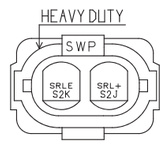
82560-4720A

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
4	ABS_SENSOR_RR_LH_TCS	B		FULL AIR BRAKE L SERIES



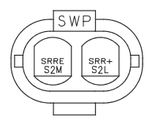
82560-3330A

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
4	ABS_SENSOR_RR_LH_TCS	B		FULL AIR BRAKE XL SERIES



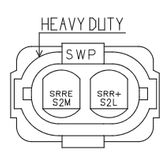
82560-4720A

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
5	ABS_SENSOR_RR_RH	B		FULL AIR BRAKE L SERIES



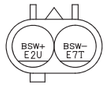
82560-3330A

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
5	ABS_SENSOR_RR_RH	B		HYDRAULIC BRAKE L SERIES XL SERIES



82560-4720A

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
8	BZR_OFF_SW	B		

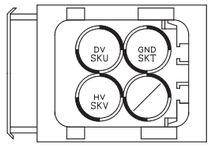


82580-6820B

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
9	SPG_BRK_SW	DG		

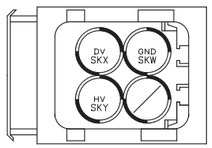
82580-6770B

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
12	MODULATOR_R2_LH	B		



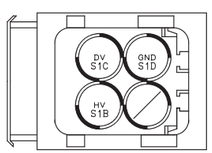
S8281-E0F50

No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
13	MODULATOR_R2_RH	B		



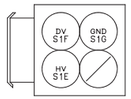
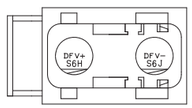
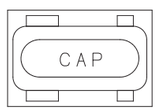
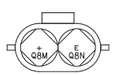
S8281-E0F50

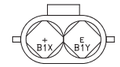
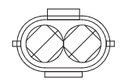
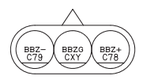
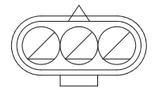
No.	PART NAME	CONN. COLOR	LOCATION	APPLICATION
14	RR_AXLE_PACKAGE_RH	B		

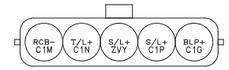
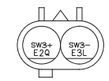
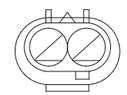
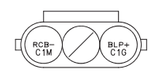
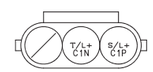
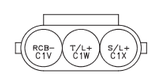


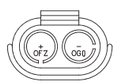
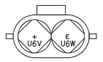
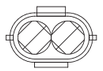
S8281-E0F50

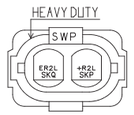
82177(2/3)

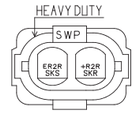
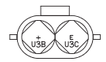
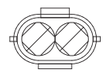
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
15	RR_AXLE_PACKAGE_LH	B		
	 S8281-E0F40			
16	RR_AXLE_PACKAGE_ATC	B		
	 82824-E1640			
	 S8286-E0010			
18	A/S_DUMP_ACT_M/V	B		
	 S8281-E0G00			
	*S8281-E0G10_CAP			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
19	A/S_DUMP_EXH_M/V	B		
	 S8281-E0G00			
	 *S8281-E0G10_CAP			
21	BACK_BUZZER	B		
	 82580-7140B			
	 82580-7130B_CAP			

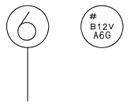
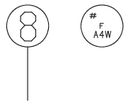
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
22	RR_COMB_LH_IN	GR		
	 S8281-E0D60			
23	L/PRES_SW_3	B		
	 82580-6820B			
	 82560-1670A_CAP			
24	RR_COMB_LH_1	B		
	 82828-1100A			
25	RR_COMB_LH_2	B		
	 82828-1100A			
26	RR_COMB_RH	B		
	 82828-1100A			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
27	LICENSE_LAMP	B		
	82560-1670A			
	82580-6820B_CAP			
30	M_DIFF_LOCK_R1_SW	GR		
	 S8281-E0N90			
	*S8281-E0L20_CAP COLOR(GR)			
31	MN/D_M/V	B		
	 S8281-E0G00			
	 *S8281-E0G10_CAP			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
32	R/D_M/V	B		
	S8281-E0G00			
35	M_DIFF_LOCK_R2_SW	GR		
	S8281-E0N90			
	*S8281-E0L20_CAP COLOR(GR)			
40	ABS_SENSOR_R2_LH	B		
	 82560-4720A			

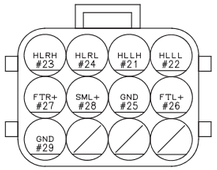
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
41	ABS_SENSOR_R2_RH	B		
	 82560-4720A			
45	SLIDE/C_M/V	B		
	 S8281-E0G00			
	 *S8281-E0G10_CAP			
50	W/S_&1B			
	SPLCE-W0001			

82213(1/1)

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

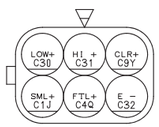
82214(1/1)

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



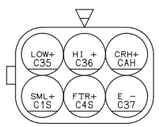
S8281-E0R10

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



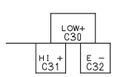
82580-8490B

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
3	LED_HEADLAMP_RH	B		



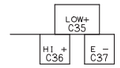
82580-8490B

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
4	HEADLAMP_LH	B		



82580-2160A

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
5	HEADLAMP_RH	B		



82580-2160A

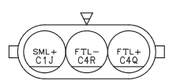
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
6	SIDE_TURN_LAMP_LH	GR		

82580-6770B

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

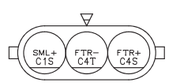
82580-6770B

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



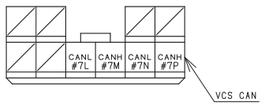
82560-1730A

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

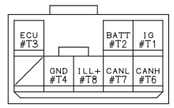
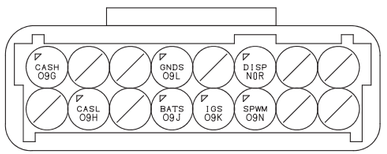


82560-1730A

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			
	 82824-E0T90			
2	SELECTOR	GR		
	 82828-1600A			

82284(1/1)

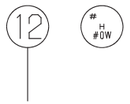
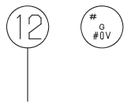
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	BATTERY 10 #-(1) A49 82675-E0450			L SERIES XL SERIES_ 59L(15.6GAL)
2	BATTERY 10 #-(1) A49 *82583-1780A			XL SERIES 28L(7.4GAL)
3	STARTER1 10 # E A3Z 82675-E0450			L SERIES
3	STARTER1 12 # E A3Z *7003-1212-02			XL SERIES 28L(7.4GAL)
3	STARTER1 12 # E A3Z *82675-E0600_			XL SERIES 59L(15.6GAL)

82286(1/1)

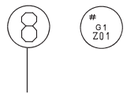
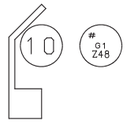
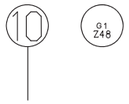
No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	STARTER_GND			L SERIES 12V- 130A / 135A
	10 #E A3Z *7003-2072-02			
1	STARTER_GND			L SERIES 12V- 200A / 160A
	10 #E A3Z *7003-2091-02			
1	STARTER_GND			XL SERIES 12V- 130A / 135A
	12 #E A3Z *7003-1182-02			
1	STARTER_GND			XL SERIES 12V- 180A / 200A
	12 #E A3Z *7003-1192-02			
2	ALT-			12V- 160A / 180A / 200A
	6 #E A41 *7003-1965-02			

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
2	ALT-			12V- 130A / 135A
	6 #E A41 *82675-36040			

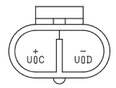
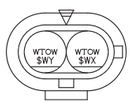
82287(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	STA_HOUSING			
	 *7003-1212-02			
2	STA_GND_TERMINAL			
	 *7003-1212-02			

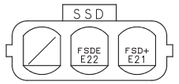
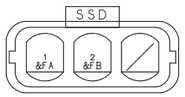
82288(1/1)

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			

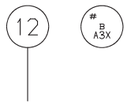
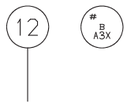
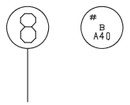
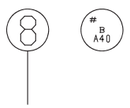
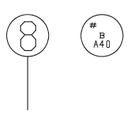
82291(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	AIR_DRIER	B		
	 82560-4660A			
2	TO_82111	B		
	 82580-7170B			

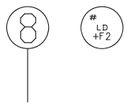
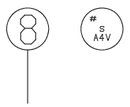
82412(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	FUEL_SENDER_RH	DG		
	 82560-4350A			
2	FUEL_SENDER_WTOW2	DG		
	 82824-E1080			

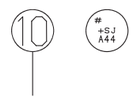
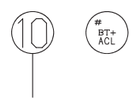
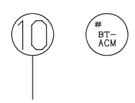
82422(1/1)

No.	PART NAME	CONN. COLOR	LOCATION	APPLI-CATION
1	STARTER_B			12V-130A / 135A
	 *7003-2131-02			
1	STARTER_B			12V-160A / 200A / 180A
	 *82675-E0560			
2	ALT+			12V-135A
	 *82675-E0110			
2	ALT+			12V-160A / 200A / 180A
	 *82583-1960A			
2	ALT+			12V-130A
	 *7003-1171-02			

82627(1/1)

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

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 (μ)	= 0.000001