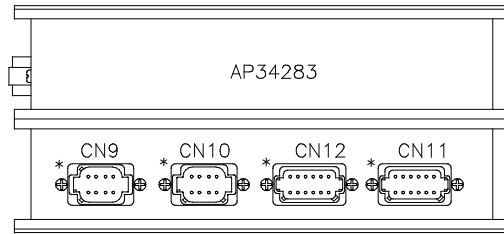
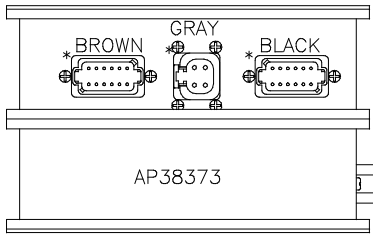


AP34262 FRONT AIR/ROOM 1 MODULE



* DESIGNATES PIN 1 OF CONNECTORS

AP34283 (BROWN)

PIN	DESCRIPTION
1	N/C
2	BLK(W1500) LEFT FRONT RAISE
3	BLK(W1600) LEFT FRONT LOWER
4	BLK(W2500) RIGHT FRONT RAISE
5	BLK(W2600) RIGHT FRONT LOWER
6	BLK(W9700) COMPRESSOR
7	N/C
8	BLK(W1700) TRAVEL
9	N/C
10	N/C
11	WHT(W6254) GROUND
12	N/C

AP34283 (GRAY)

PIN	DESCRIPTION
1	RED(W6800) SW BATT
2	RED(W6800) SW BATT
3	GRN(W6230) GND
4	GRN(W6230) GND

AP34283 (BLACK)

PIN	DESCRIPTION
1	BLK(W5650) VACUUM ROOM 1
2	BLK(W5600) AIR SEAL ROOM 1
3	N/C
4	N/C
5	N/C
6	N/C
7	N/C
8	N/C
9	N/C
10	N/C
11	WHT(W6230) GROUND
12	N/C

AP38373 CN9(BLACK)

PIN	DESCRIPTION
1	WHT(W7696) SYSTEM WAKE UP
2	N/C
3	RED(W6800) SW BATTERY
4	GRN(W6230) GROUND
5	CAN SHIELD
6	RED(W6110) IGNITION
7	GRN CAN LOW
8	YEL CAN HI

AP38373 CN10(GRAY)

PIN	DESCRIPTION
1	N/C
2	WHT(W7510) READY TO OPERATE
3	WHT(W7530) PUMP
4	WHT(W7501) EXTEND
5	WHT(W7502) RETRACT
6	RED(W6805) SW BATTERY
7	WHT(W7696) SYSTEM WAKE UP
8	GRN(W6230) GROUND

AP38373 CN12(GRAY)

PIN	DESCRIPTION
1	N/C
2	BLK(W5701) ROOM 1 OUT
3	BLK(W5703) ROOM 1 IN
4	N/C
5	N/C
6	WHT(W6236) GROUND
7	BLK(W6800) SW. BATTERY
8	BLK(W5651) ROOM 1 VACUUM SENSOR
9	N/C
10	BLK(W2210) RIGHT FRONT AIR PRESSURE SW.
11	N/C
12	N/C

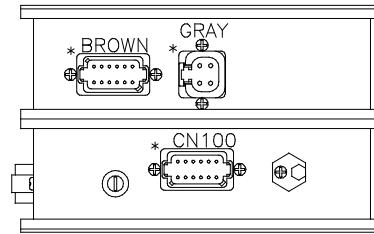
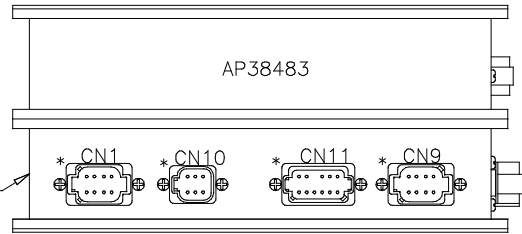
AP38373 CN 11(GREEN)

PIN	DESCRIPTION
1	N/C
2	N/C
3	N/C
4	N/C
5	N/C
6	WHT(W6236) GROUND
7	N/C
8	N/C
9	N/C
10	BLK(W1210) LEFT FRONT AIR PRESSURE SW.
11	N/C
12	N/C

		HWH I-80 EXIT 267 SOUTH RT 1 MOSCOW, IOWA 52760	
Δ	25JUL07	WAS AP31019	SCALE 1:3 DATE 28JUN06 DRAWN BY .
1	25JUL07	ADDED INSTALLATION NOTE	SYSTEM SCHEMATIC ELEC
NO.	DATE	REVISION	
THE INFORMATION DISCLOSED ON THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE DISCLOSED OR USED IN ANY MANNER WHICH WILL BE DETRIMENTAL TO THE HWH CORPORATION			DRAWING NUMBER MP89718 A/O

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

AP38471
CENTRAL CONTROL MODULE



110 NEUTRAL HOLD ENABLED
220 NEUTRAL HOLD DISABLED

AP38483 (BROWN)

PIN	DESCRIPTION
1	BLK(W5050) CYLINDER EXTEND 1
2	BLK(W5150) CYLINDER RETRACT 1
3	BLK(W5051) CYLINDER EXTEND 2
4	BLK(W5151) CYLINDER RETRACT 2
5	N/C
6	N/C
7	BLK(W5052) CYLINDER EXTEND GEN
8	BLK(W5152) CYLINDER RETRACT GEN
9	N/C
10	N/C
11	N/C
12	N/C

AP38483 (GRAY)

PIN	DESCRIPTION
1	RED(W6800) SW BATT
2	RED(W6800) SW BATT
3	GRN(W6230) GROUND
4	GRN(W6230) GROUND

AP37842 CN100(GRAY)

PIN	DESCRIPTION
1	BLK(W5000) GEN SLIDE EXTEND
2	N/C
3	N/C
4	N/C
5	N/C
6	WHT(W6230) GROUND
7	N/C
8	N/C
9	N/C
10	N/C
11	N/C
12	BLK(W5100) GEN SLIDE RETRACT

AP37842 CN1(BLACK)

PIN	DESCRIPTION
1	WHT(W7696) SYSTEM WAKE UP
2	N/C
3	RED(W6800) SW BATT
4	GRN(W6230) GND
5	CAN SHIELD
6	RED(W6110) IGNITION
7	GRN CAN LOW
8	YEL CAN HI

AP37842 CN10(GRAY)

PIN	DESCRIPTION
1	BLK(W7599) SWITCH LIGHT CONTROL
2	RED(W6100) RESET OUT
3	BLK(W7550) RESET IN
4	RED(W6121) WARN LIGHT SUPPLY
5	WHT(W6230) SWITCH LIGHT SUPPLY
6	BLK(W7699) WARN LIGHT/BUZZER CONTROL

AP37842 CN11(GRAY)

PIN	DESCRIPTION
1	RED(W6110) IGNITION
2	N/C
3	N/C
4	N/C
5	RED(W6120) IGNITION
6	RED(W6100) HOUSE BATTERY
7	GRN(W6230) GROUND
8	WHT(W9961) NEUTRAL HOLD
9	WHT(W9955) NEUTRAL HOLD
10	N/C
11	WHT(W9000) PARK BRAKE SWITCH
12	RED(W6101) HOUSE BATTERY

AP37842 CN9(GREEN)

PIN	DESCRIPTION
1	BLK(W8500) MASTER RELAY CNTRL
2	BLK(W8100) SYSTEM PSW.
3	N/C
4	BLK(W8600) PMP RELAY CNTRL
5	BLK(W9900) SPEED SWITCH
6	BLK(W9901) SW BATT FROM PUMP RELAY
7	N/C
8	N/C

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

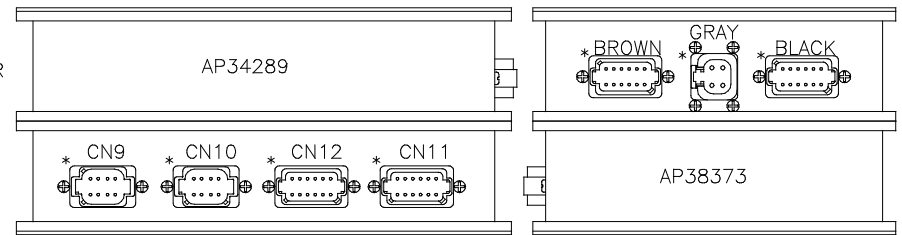
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AP34289 (BROWN)
 PIN
 1 BLK(W5650) ROOM 2 VACUUM
 2 BLK(W5600) ROOM 2 AIR SEAL
 3 N/C
 4 N/C
 5 N/C
 6 N/C
 7 N/C
 8 N/C
 9 N/C
 10 N/C
 11 WHT(W6230) GROUND
 12 N/C

AP34289 (GRAY)
 PIN
 1 RED (W6800) SW BATT
 2 RED (W6800) SW BATT
 3 GRN (W6230) GND
 4 GRN (W6230) GND

AP34289 (BLACK)
 PIN
 1 N/C
 2 BLK(W4500) LEFT REAR RAISE
 3 BLK(W4600) LEFT REAR LOWER
 4 BLK(W3500) RIGHT REAR RAISE
 5 BLK(W3600) RIGHT REAR LOWER
 6 N/C
 7 N/C
 8 BLK(W3700) TRAVEL
 9 N/C
 10 N/C
 11 WHT(W6258) GROUND
 12 N/C

AP34263
 REAR AIR/ROOM 2
 MODULE

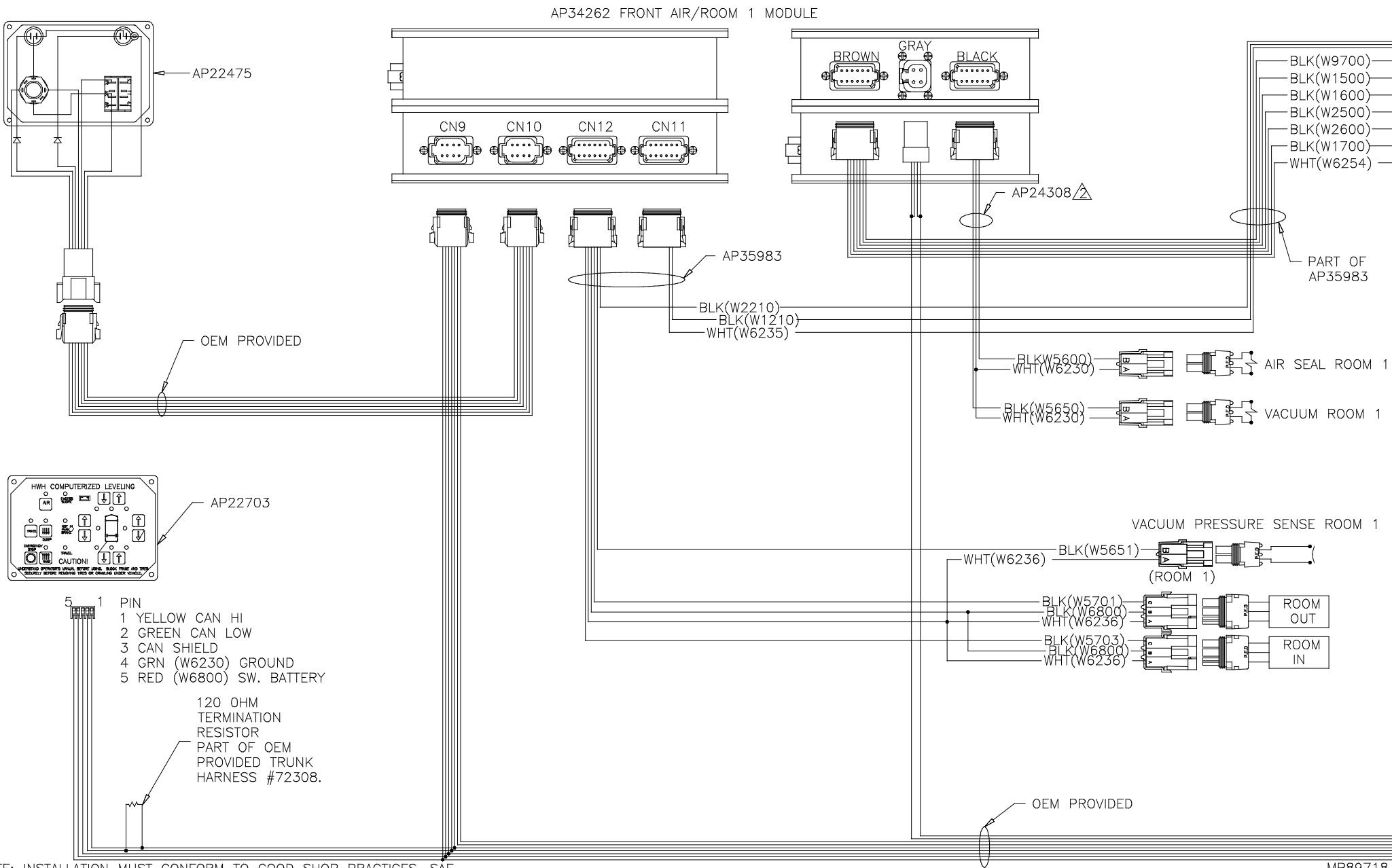


AP38373 CN9(BLACK)
 PIN
 1 WHT(W7696) SYSTEM WAKE UP
 2 RED(W6121) IGNITION
 3 RED(W6800) SW BATTERY
 4 GRN(W6230) GROUND
 5 CAN SHIELD
 6 RED(W6110) IGNITION
 7 GRN CAN LOW
 8 YEL CAN HI

AP38373 CN10(GRAY)
 PIN
 1 NOT USED
 2 WHT(W7510) READY TO OPERATE
 3 WHT(W7530) PUMP
 4 WHT(W7501) EXTEND
 5 WHT(W7502) RETRACT
 6 RED(W6805) SW BATTERY
 7 WHT(W7696) SYSTEM WAKE UP
 8 GRN(W6230) GROUND

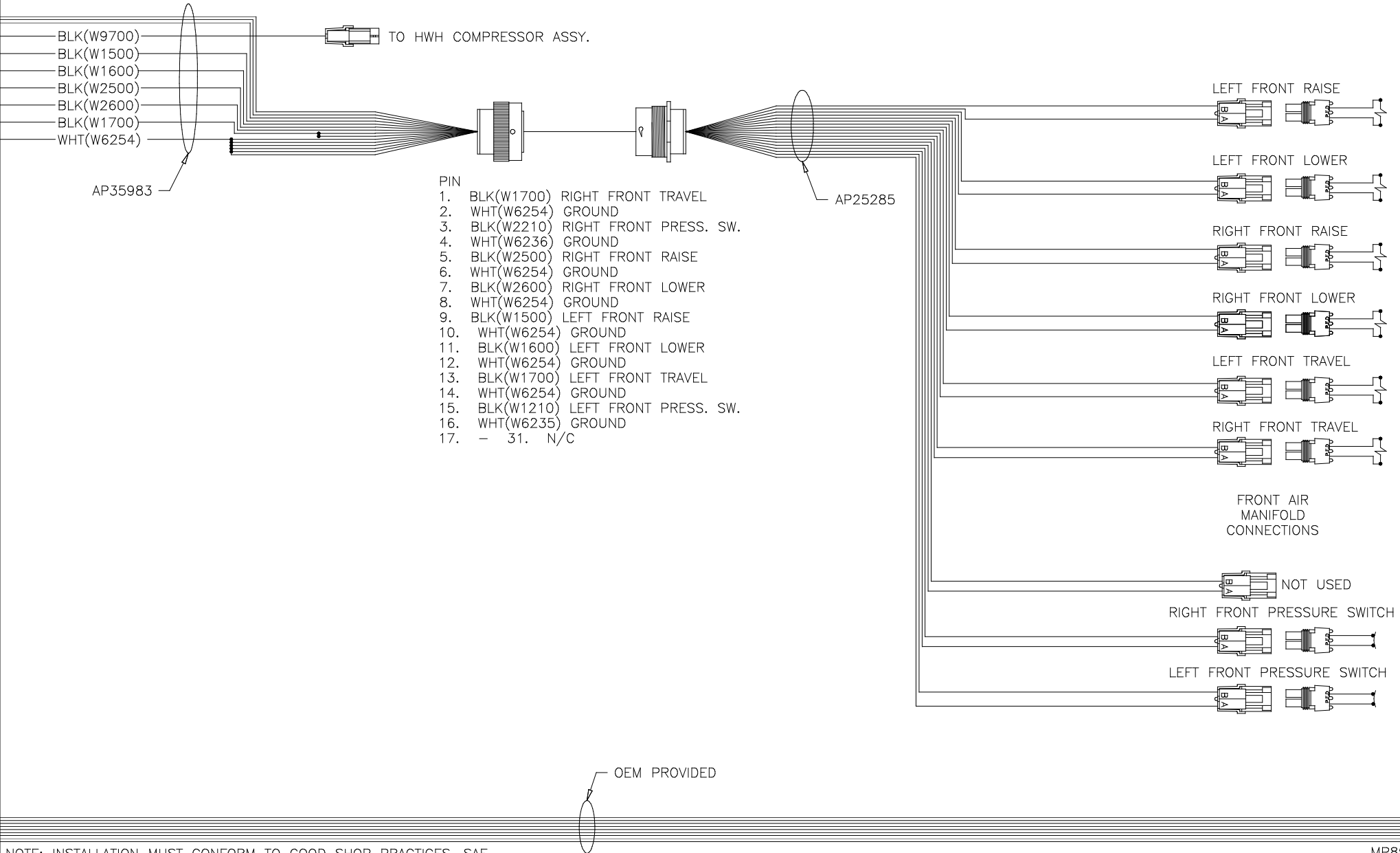
AP38373 CN12(GRAY)
 PIN
 1 N/C
 2 BLK(W5701) ROOM 2 OUT
 3 BLK(W5703) ROOM 2 IN
 4 N/C
 5 N/C
 6 WHT(W6231) GROUND
 7 RED(W6800) SW. BATTERY
 8 BLK(W5651) ROOM 2 VACUUM SENSOR
 9 BLK(W3215) SYSTEM PRESS. SW.
 10 N/C
 11 N/C
 12 N/C

AP38373 CN 11(GREEN)
 PIN
 1 N/C
 2 N/C
 3 N/C
 4 BLK(W3210) RIGHT REAR PRESS SW.
 5 N/C
 6 WHT(W6232) GROUND
 7 N/C
 8 BLK(W4210) LEFT REAR PRESS SW.
 9 N/C
 10 N/C
 11 N/C
 12 N/C

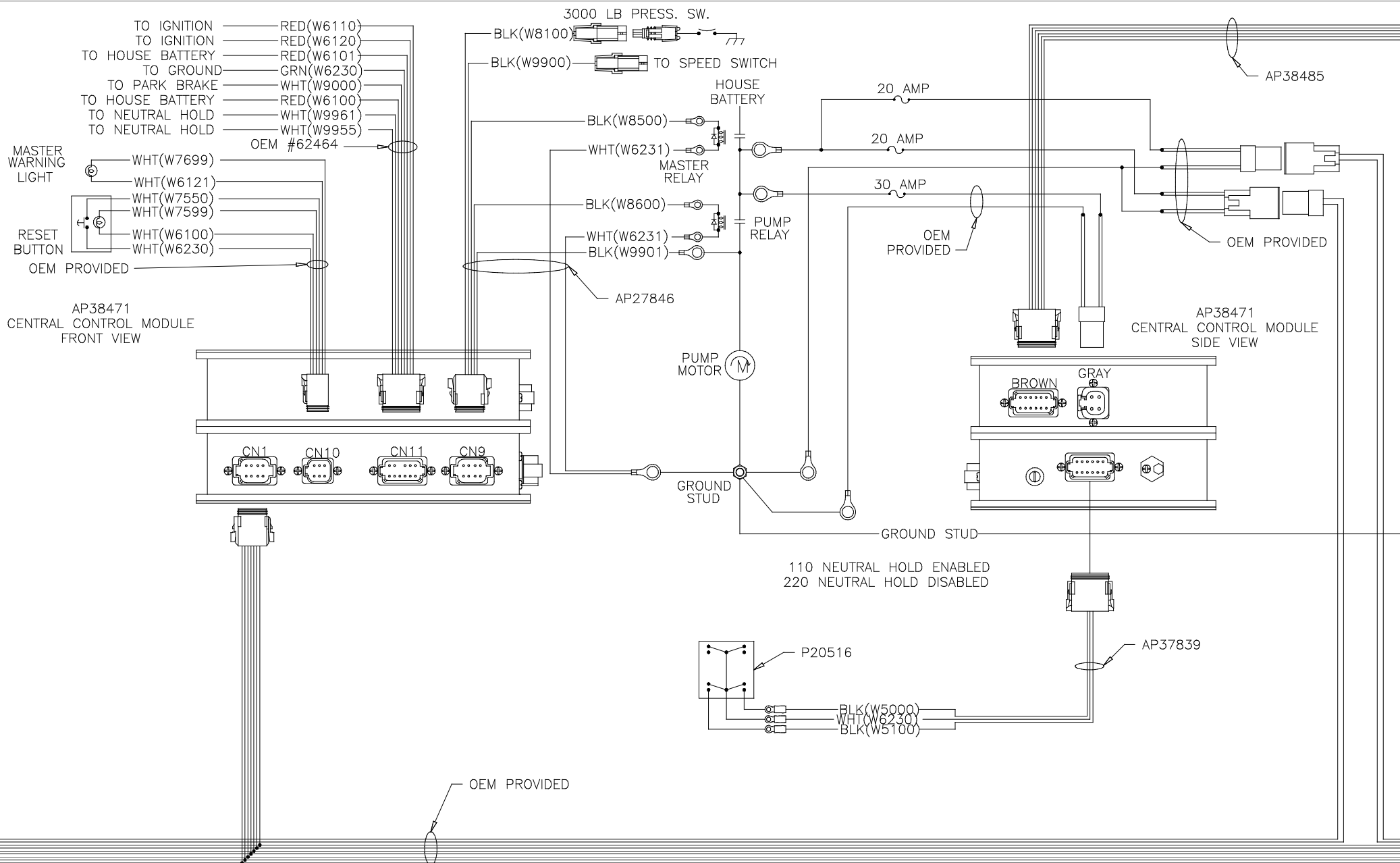


NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

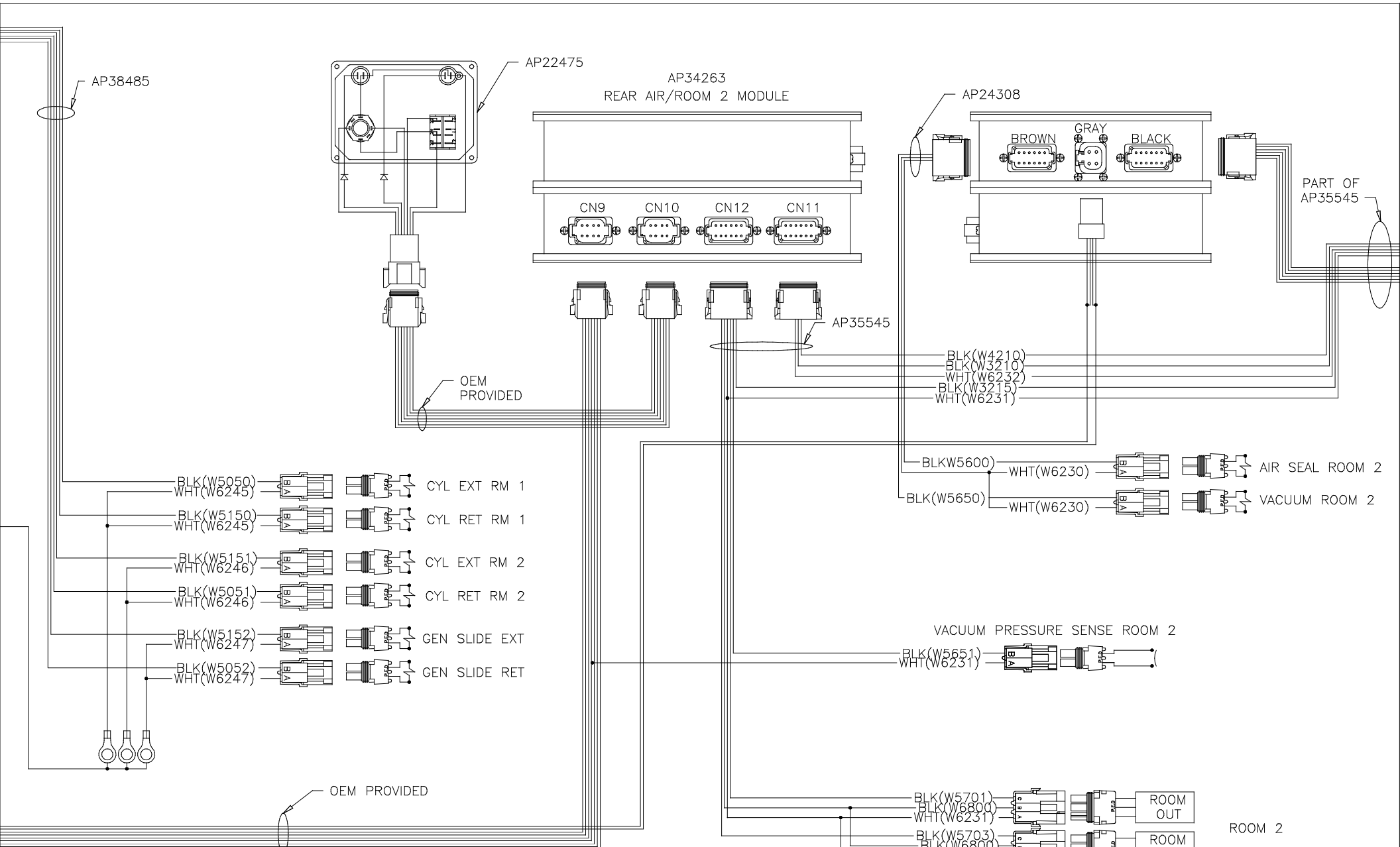
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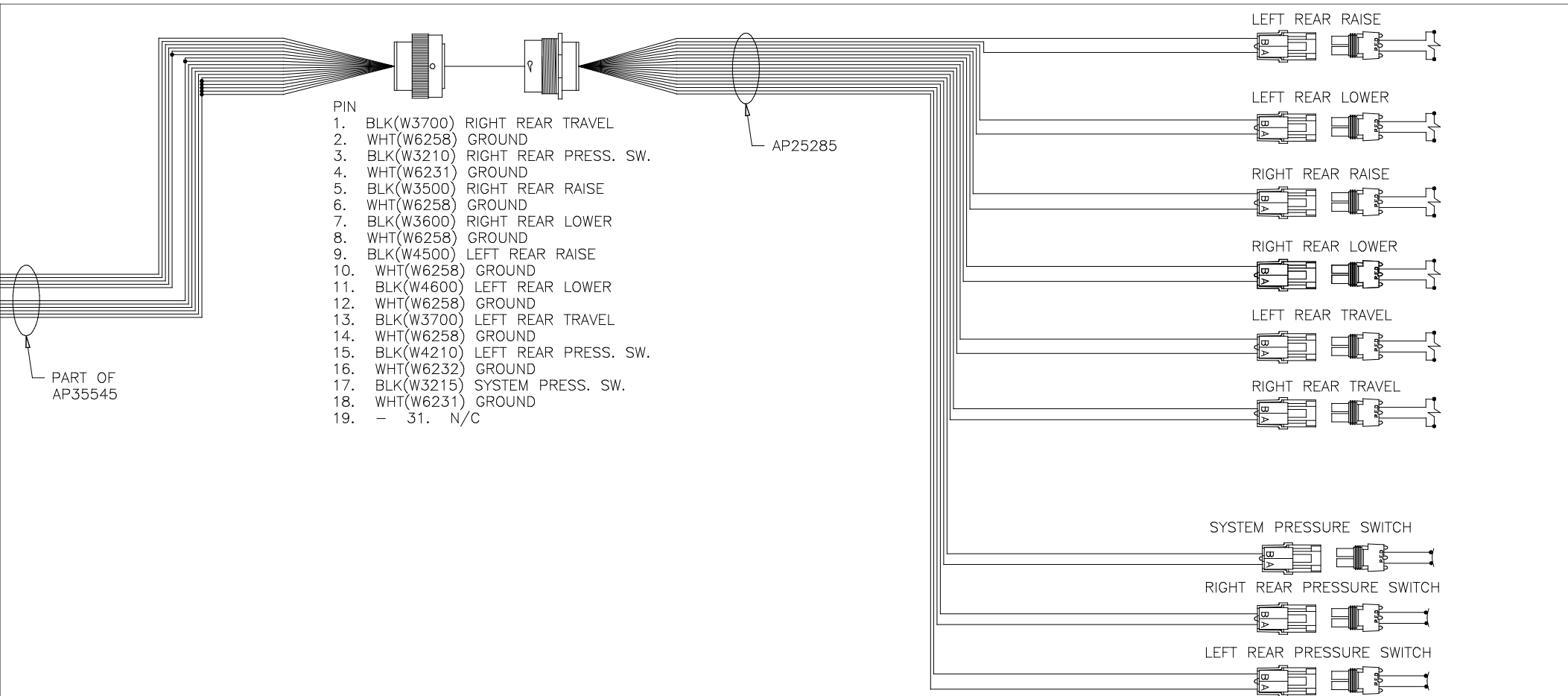
NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



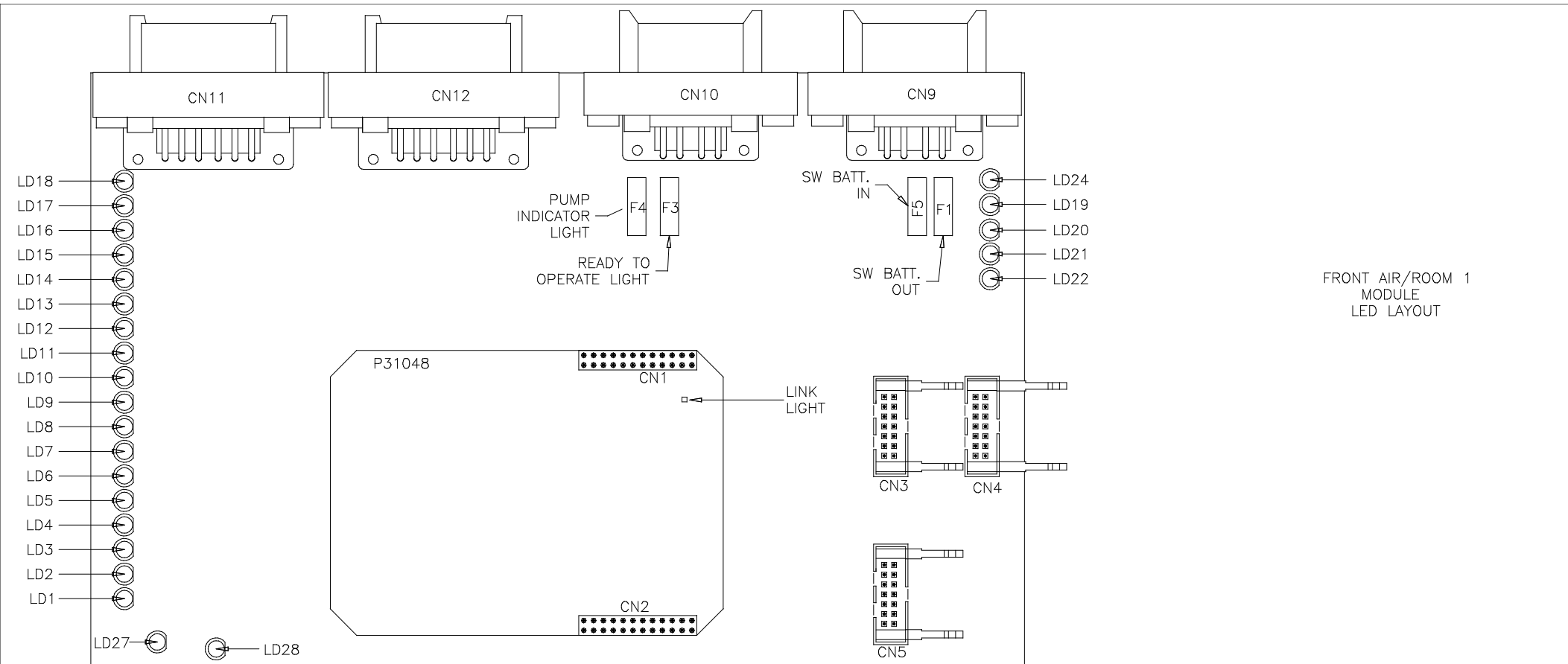
NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



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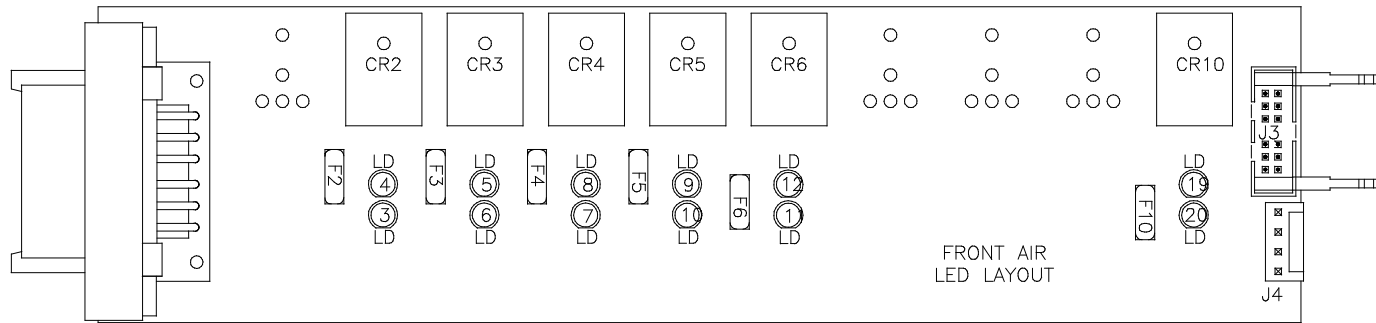
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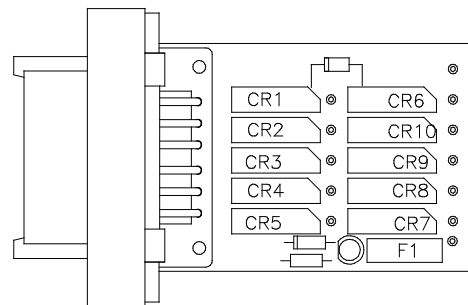
FRONT AIR/ROOM 1
MODULE
LED LAYOUT

LED #	CONNECTOR	COLOR	DESCRIPTION	LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	CN10 PIN 4	RED	EXTEND	LED 11	NOT USED	YELLOW	NOT USED
LED 2	CN10 PIN 5	RED	RETRACT	LED 12	NOT USED	YELLOW	NOT USED
LED 3	CN12 PIN 8	GREEN	ROOM 1 VAC SNS	LED 13	NOT USED	YELLOW	NOT USED
LED 4	NOT USED	YELLOW	NOT USED	LED 14	NOT USED	YELLOW	NOT USED
LED 5	NOT USED	YELLOW	NOT USED	LED 15	NOT USED	GREEN	NOT USED
LED 6	CN12 PIN 2	YELLOW	ROOM 1 RM OUT	LED 16	NOT USED	GREEN	NOT USED
LED 7	NOT USED	GREEN	NOT USED	LED 17	NOT USED	GREEN	NOT USED
LED 8	CN12 PIN 3	GREEN	ROOM 1 RM IN	LED 18	NOT USED	GREEN	NOT USED
LED 9	CN11 PIN 10	GREEN	LEFT FRONT PSW	LED 19	CN11/CN12 PIN 7	RED	12V OUTPUT
LED 10	CN12 PIN 10	GREEN	RIGHT FRONT PSW	LED 20	CN9 PIN 3	RED	SW BATT
				LED 21	CN10 PIN 3	RED	PUMP INDICATOR
				LED 22	CN10 PIN 2	RED	READY TO OPERATE
				LED 24	CN10 PIN 7	RED	SYSTEM WAKE UP
				LED 27	NOT USED	RED	NOT USED
				LED 28	NOT USED	RED	NOT USED

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED3	RED	---	FUSE 2	PIN 2	CR2	LEFT FRONT RAISE (CONTACT)
LED4	YELLOW	PIN 12	---	---	CR2	LEFT FRONT RAISE (COIL)
LED5	YELLOW	PIN 11	---	---	CR3	LEFT FRONT LOWER (COIL)
LED6	RED	---	FUSE 3	PIN 3	CR3	LEFT FRONT LOWER (CONTACT)
LED7	RED	---	FUSE 4	PIN 4	CR4	RIGHT FRONT RAISE (CONTACT)
LED8	YELLOW	PIN 10	---	---	CR4	RIGHT FRONT RAISE (COIL)
LED9	YELLOW	PIN 9	---	---	CR5	RIGHT FRONT LOWER (COIL)
LED10	RED	---	FUSE 5	PIN 5	CR5	RIGHT FRONT LOWER (CONTACT)
LED11	RED	---	FUSE 6	PIN 6	CR6	COMPRESSOR (CONTACT)
LED12	YELLOW	PIN 8	---	---	CR6	COMPRESSOR (COIL)
LED19	YELLOW	PIN 4	---	---	CR10	TRAVEL (COIL)
LED20	RED	---	FUSE 10	PIN 8	CR10	TRAVEL (CONTACT)



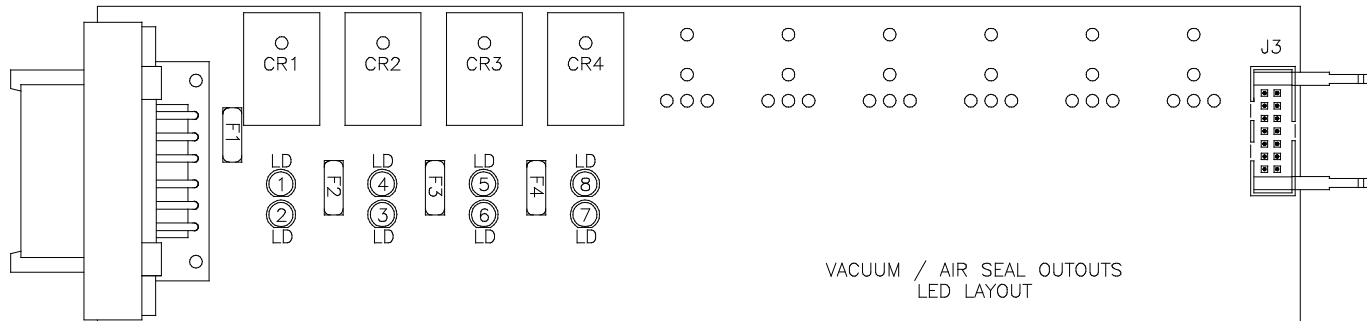
GENERATOR SLIDE
REED SWITCH
LAYOUT

NOTE: REED SWITCHES NOT
NOTED ARE UNUSED.

CONNECTOR	REED SWITCH	DESCRIPTION
CN 100 PIN 1	CR1	GEN SLIDE EXTEND
CN 100 PIN 6	---	GROUND
CN 100 PIN 12	CR6	GEN SLIDE RETRACT

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE
STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

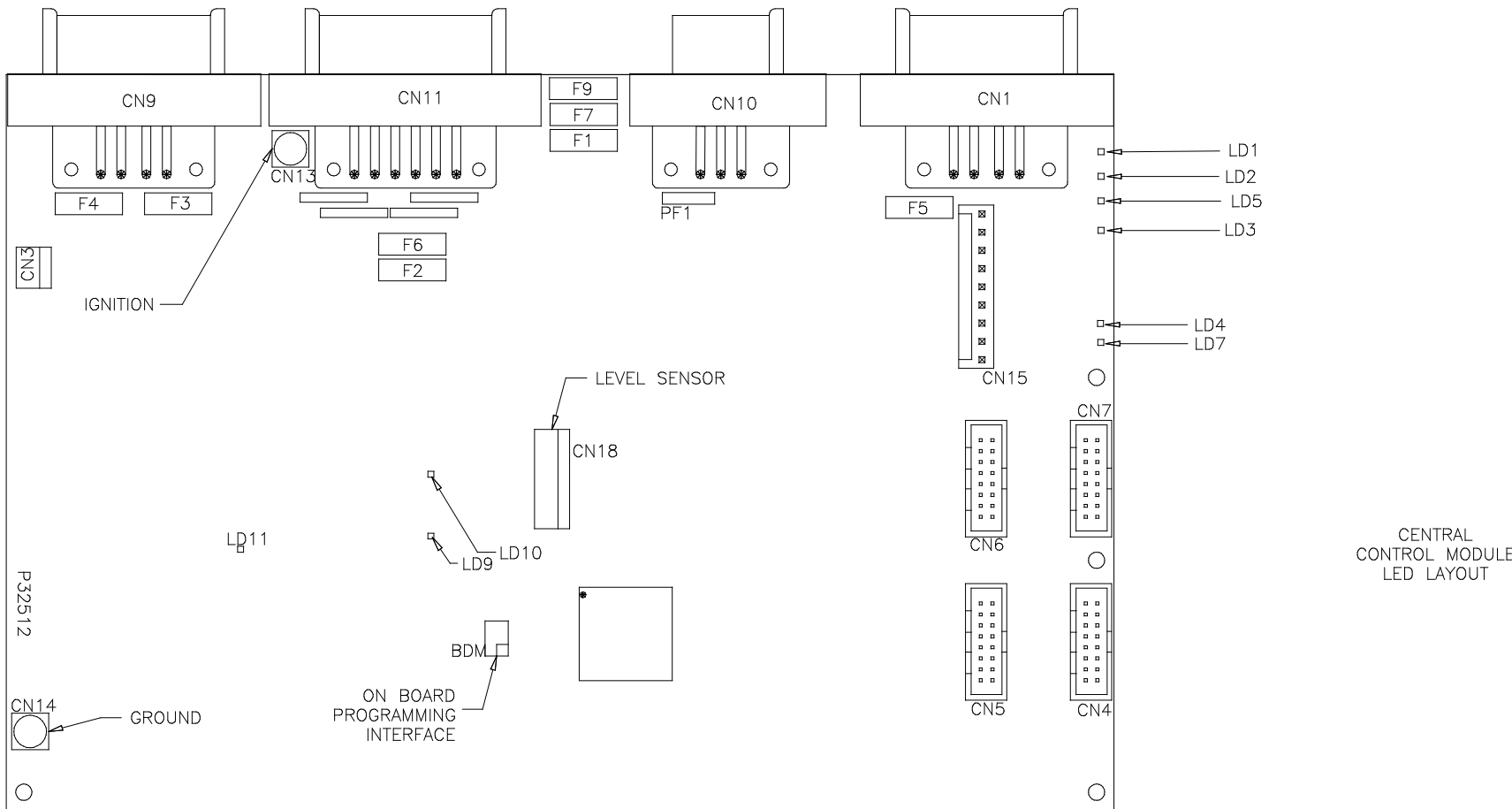
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FRONT MODULE (AP34262)						
LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	---	CR1	VACUUM (COIL) ROOM 1
LED2	RED	---	FUSE 1	PIN 1	CR1	VACUUM (CONTACT) ROOM 1
LED3	RED	---	FUSE 2	PIN 2	CR2	AIR SEAL (CONTACT) ROOM 1
LED4	YELLOW	PIN 12	---	---	CR2	AIR SEAL (COIL) ROOM 1
LED5	YELLOW	PIN 11	---	---	CR3	NOT USED
LED6	RED	---	FUSE 3	PIN 3	CR3	NOT USED
LED7	RED	---	FUSE 4	PIN 4	CR4	NOT USED
LED8	YELLOW	PIN 10	---	---	CR4	NOT USED

REAR MODULE (AP34263)						
LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	---	CR1	VACUUM (COIL) ROOM 2
LED2	RED	---	FUSE 1	PIN 1	CR1	VACUUM (CONTACT) ROOM 2
LED3	RED	---	FUSE 2	PIN 2	CR2	AIR SEAL (CONTACT) ROOM 2
LED4	YELLOW	PIN 12	---	---	CR2	AIR SEAL (COIL) ROOM 2
LED5	YELLOW	PIN 11	---	---	CR3	NOT USED
LED6	RED	---	FUSE 3	PIN 3	CR3	NOT USED
LED7	RED	---	FUSE 4	PIN 4	CR4	NOT USED
LED8	YELLOW	PIN 10	---	---	CR4	NOT USED

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

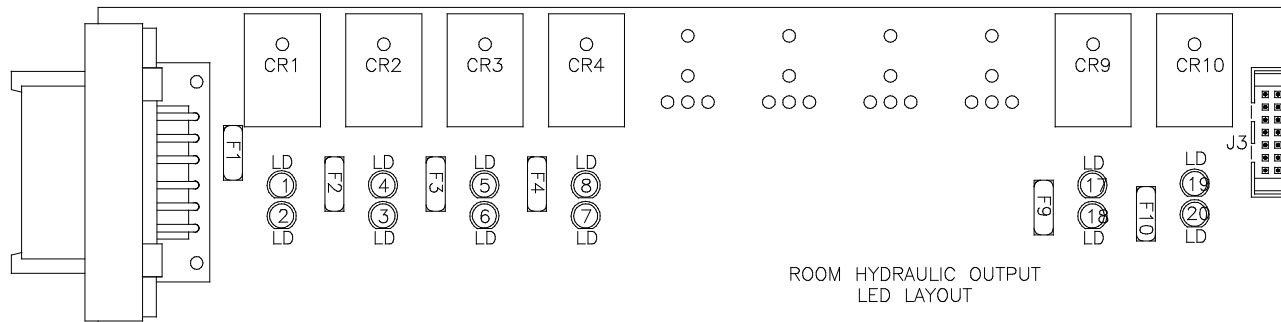


CENTRAL CONTROL MODULE LED LAYOUT

LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	CN 9 PIN 1	RED	MASTER RELAY
LED 2	CN 9 PIN 4	RED	PUMP RELAY
LED 3	CN 1 PIN 3	RED	SW 12V
LED 4	CN 11 PIN 12	RED	SYSTEM WAKE UP
LED 5	CN 9 PIN 5	RED	SPEED SWITCH
LED 7	CN 1 PIN 7 & 8	RED	LINK LIGHT
LED 8	CN 11 PIN 8 & 9	RED	NEUTRAL HOLD
LED 9	NOT USED	NOT USED	NOT USED
LED 10	CN9 PIN 2	RED	3000 LBS. PSW
LED 11	CN11 PIN 11	RED	PARK BRAKE

FUSE #	DESCRIPTION
PF1	RESET OUT
F7	ACCESSORY
F1	IGNITION
F2	HOUSE BATTERY
F3	MASTER RELAY
F4	PUMP RELAY
F5	SW. BATT TO CAN MODULES
F6	ENGINE BATTERY
F9	POWER TO CN100

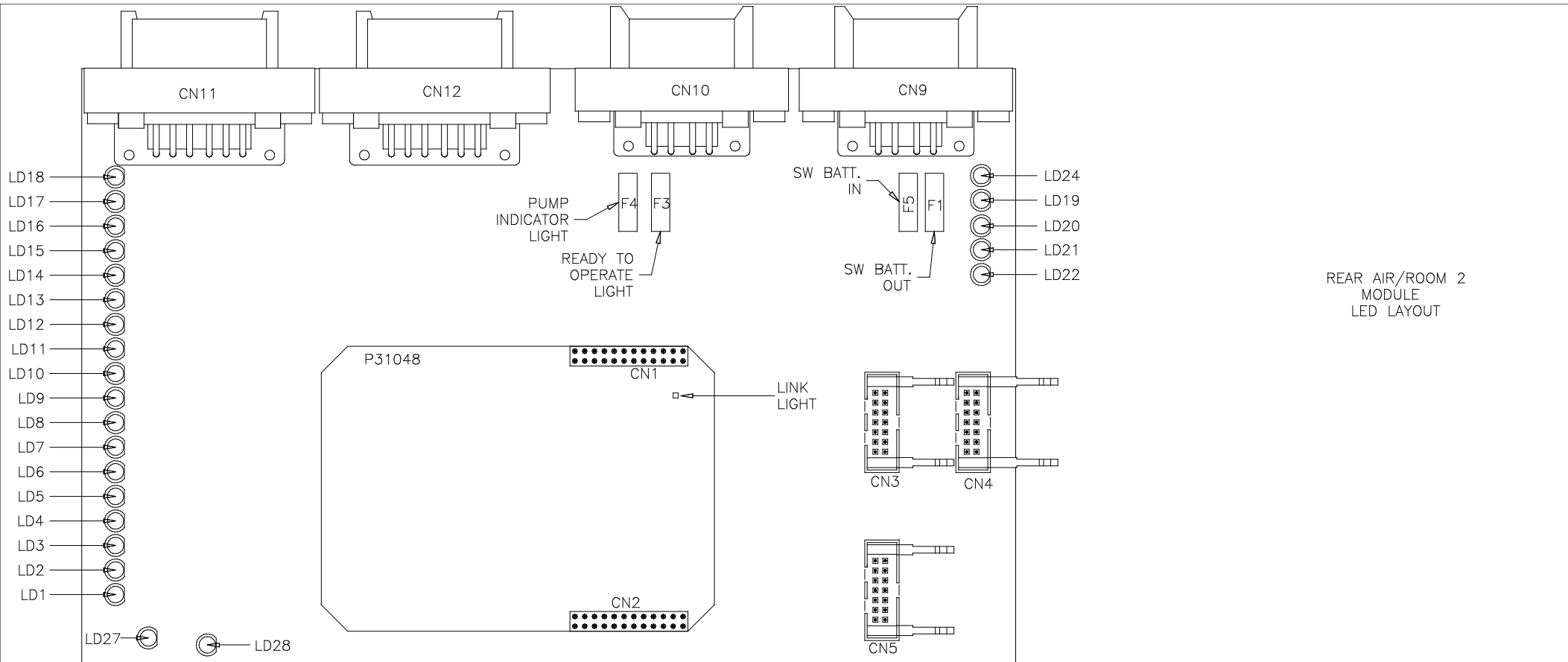
NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	---	CR1	EXTEND CYL. 1 (COIL)
LED2	RED	---	FUSE 1	PIN 1	CR1	EXTEND CYL. 1 (CONTACT)
LED3	RED	---	FUSE 2	PIN 2	CR2	RETRACT CYL. 1 (CONTACT)
LED4	YELLOW	PIN 12	---	---	CR2	RETRACT CYL. 1 (COIL)
LED5	YELLOW	PIN 11	---	---	CR3	EXTEND CYL. 2 (COIL)
LED6	RED	---	FUSE 3	PIN 3	CR3	EXTEND CYL. 2 (CONTACT)
LED7	RED	---	FUSE 4	PIN 4	CR4	RETRACT CYL. 2 (CONTACT)
LED8	YELLOW	PIN 10	---	---	CR4	RETRACT CYL. 2 (COIL)
LED17	YELLOW	PIN 5	---	---	CR9	EXTEND GEN CYL. (COIL)
LED18	RED	---	FUSE 9	PIN 7	CR9	EXTEND GEN CYL. (CONTACT)
LED19	YELLOW	PIN 4	---	---	CR10	RETRACT GEN CYL. (COIL)
LED20	RED	---	FUSE 10	PIN 8	CR10	RETRACT GEN CYL. (CONTACT)

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

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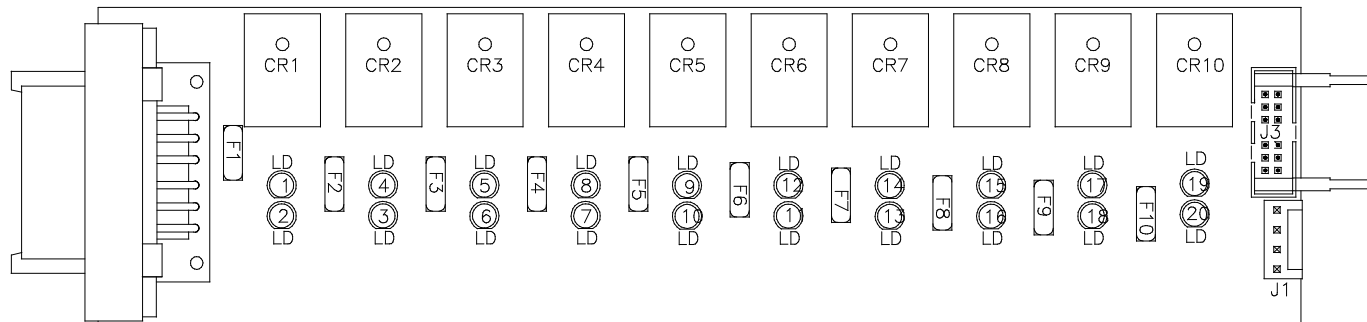


REAR AIR/ROOM 2
MODULE
LED LAYOUT

LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	CN10 PIN 4	RED	EXTEND
LED 2	CN10 PIN 5	RED	RETRACT
LED 3	CN12 PIN 8	GREEN	ROOM 2 VAC SNS
LED 4	NOT USED	YELLOW	NOT USED
LED 5	NOT USED	YELLOW	NOT USED
LED 6	CN12 PIN 2	YELLOW	ROOM 2 RM OUT
LED 7	NOT USED	GREEN	NOT USED
LED 8	CN12 PIN 3	GREEN	ROOM 2 RM IN
LED 9	NOT USED	GREEN	NOT USED
LED 10	NOT USED	GREEN	NOT USED

LED #	CONNECTOR	COLOR	DESCRIPTION
LED 11	NOT USED	YELLOW	NOT USED
LED 12	NOT USED	YELLOW	NOT USED
LED 13	NOT USED	YELLOW	NOT USED
LED 14	NOT USED	YELLOW	NOT USED
LED 15	CN11 PIN 4	GREEN	RIGHT REAR AIR PSW
LED 16	NOT USED	GREEN	NOT USED
LED 17	NOT USED	GREEN	NOT USED
LED 18	CN12 PIN9	GREEN	SYSTEM PSW
LED 19	CN11/CN12 PIN 7	RED	12V OUTPUT
LED 20	CN9 PIN 3	RED	SW BATT
LED 21	CN10 PIN 3	RED	PUMP INDICATOR
LED 22	CN10 PIN 2	RED	READY TO OPERATE
LED 24	CN10 PIN 7	RED	SYSTEM WAKE UP
LED 27	CN11 PIN 8	RED	LEFT REAR AIR PSW
LED 28	NOT USED	RED	NOT USED

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	---	CR1	NOT USED
LED2	RED	---	FUSE 1	PIN 1	CR1	NOT USED
LED3	RED	---	FUSE 2	PIN 2	CR2	LEFT REAR RAISE (CONTACT)
LED4	YELLOW	PIN 12	---	---	CR2	LEFT REAR RAISE (COIL)
LED5	YELLOW	PIN 11	---	---	CR3	LEFT REAR LOWER (COIL)
LED6	RED	---	FUSE 3	PIN 3	CR3	LEFT REAR LOWER (CONTACT)
LED7	RED	---	FUSE 4	PIN 4	CR4	RIGHT REAR RAISE (CONTACT)
LED8	YELLOW	PIN 10	---	---	CR4	RIGHT REAR RAISE (COIL)
LED9	YELLOW	PIN 9	---	---	CR5	RIGHT REAR LOWER (COIL)
LED10	RED	---	FUSE 5	PIN 5	CR5	RIGHT REAR LOWER (CONTACT)
LED11	RED	---	FUSE 6	PIN 6	CR6	NOT USED
LED12	YELLOW	PIN 8	---	---	CR6	NOT USED
LED13	RED	---	FUSE 7	PIN 10	CR7	NOT USED
LED14	YELLOW	PIN 7	---	---	CR7	NOT USED
LED15	YELLOW	PIN 6	---	---	CR8	NOT USED
LED16	RED	---	FUSE 8	PIN 9	CR8	NOT USED
LED17	YELLOW	PIN 5	---	---	CR9	NOT USED
LED18	RED	---	FUSE 9	PIN 7	CR9	NOT USED
LED19	YELLOW	PIN 4	---	---	CR10	TRAVEL (COIL)
LED20	RED	---	FUSE 10	PIN 8	CR10	TRAVEL (CONTACT)

NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

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