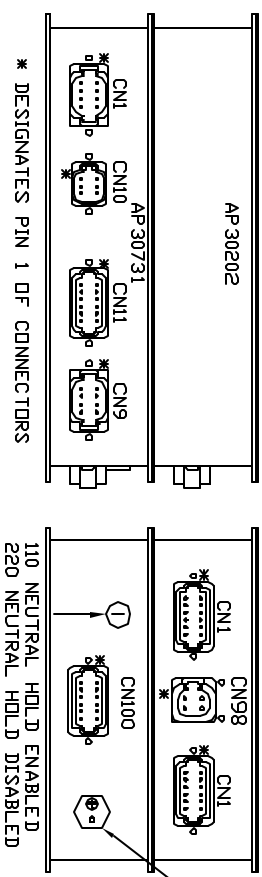


AP30202 CNI (BROWN)	AP30202 CN98 (GRAY)	AP30202 CNI (BLACK)
PIN	PIN	PIN
1 N/C	1 BLK(W6800) SW BATT	1 N/C
2 BLK(W1500) LEFT FRONT RAISE	2 BLK(W6800) SW BATT	2 BLK(W4500) LEFT REAR RAISE
3 BLK(W1600) LEFT FRONT LOWER	3 BLK(W6230) GND	3 BLK(W4600) LEFT REAR LOWER
4 BLK(W2500) RIGHT FRONT RAISE	4 WHT(W6233) GND	4 BLK(W3500) RIGHT REAR RAISE
5 BLK(W2600) RIGHT FRONT LOWER		5 BLK(W3600) RIGHT REAR LOWER
6 BLK(W9700) COMPRESSOR		6 N/C
7 N/C		7 N/C
8 BLK(W1700) FRONT TRAVEL		8 BLK(W3700) REAR TRAVEL
9 N/C		9 N/C
10 N/C		10 N/C
11 WHT(W6254) GROUND		11 WHT(W6258) GROUND
12 N/C		12 N/C

AP30731 CNI (BLACK)	AP30731 CN10 (GRAY)	AP30731 CN11 (GRAY)
PIN	PIN	PIN
1 N/C	1 BLK(W7599) SWITCH LIGHT CONTRL	1 RED(W6110) IGNITION
2 N/C	2 RED(W6100) RESET OUT	2 N/C
3 RED(W6800) SW BATT	3 BLK(W7550) RESET IN	3 N/C (KEY PIN)
4 WHT(W6230) GND	4 RED(W6121) WARNING LIGHT SUPPLY	4 N/C
5 CAN SHIELD	5 WHT(W6230) SWITCH LIGHT SUPPLY	5 RED(W6120) ACCESSORY
6 N/C	6 BLK(W7699) WARNING LIGHT CNTRL	6 RED(W6100) HOUSE BATTERY
7 GRN CAN LDW		7 WHT(W6230) GROUND
8 YEL CAN HI		8 N/C
		9 N/C
		10 N/C
		11 BLK(W9000) PARK BRAKE SWITCH
		12 RED(W6101) ENGINE BATTERY

AP30731 CN9 (GREEN)	AP30731 CN100 (GRAY)
PIN	PIN
1 N/C	1 N/C
2 N/C	2 BLK(W1210) LEFT FRONT PSW
3 N/C	3 BLK(W210) RIGHT FRONT PSW
4 N/C	4 BLK(W3210) RIGHT REAR PSW
5 BLK(W9900) SPEED SWITCH	5 BLK(W4210) LEFT REAR PSW
6 N/C	6 WHT(W6231) GROUND
7 N/C	7 N/C
8 N/C	8 BLK(W3215) SYSTEM PSW
9 N/C	9 N/C
10 N/C	10 N/C
11 N/C	11 N/C
12 N/C	12 N/C



SENSING UNIT ADJUSTMENT NUT

4	13SEP07	ADDED INSTALLATION NOTE
3	21AUG06	ADDED 1 <sup>st</sup> SHEET, CN100
2	19JUL05	CORRECTED WIRE #S
1	13APR05	ADDED AP30861
ND	DATE	REVISION

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

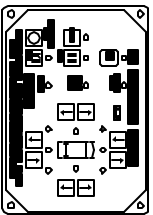
THE INFORMATION DISCLOSED IN THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE DISCLOSED OR USED IN ANY MANNER WHICH WILL BE DETRIMENTAL TO THE HM CORPORATION

HW H 1-80 EXIT 267 SOUTH  
RT 1 MOSCOW, IOWA 52760

SCALE 1:3 DATE 17APR03 DRAWN BY

SYSTEM SCHEMATIC ELEC

DRAWING NUMBER MP89049 A/1



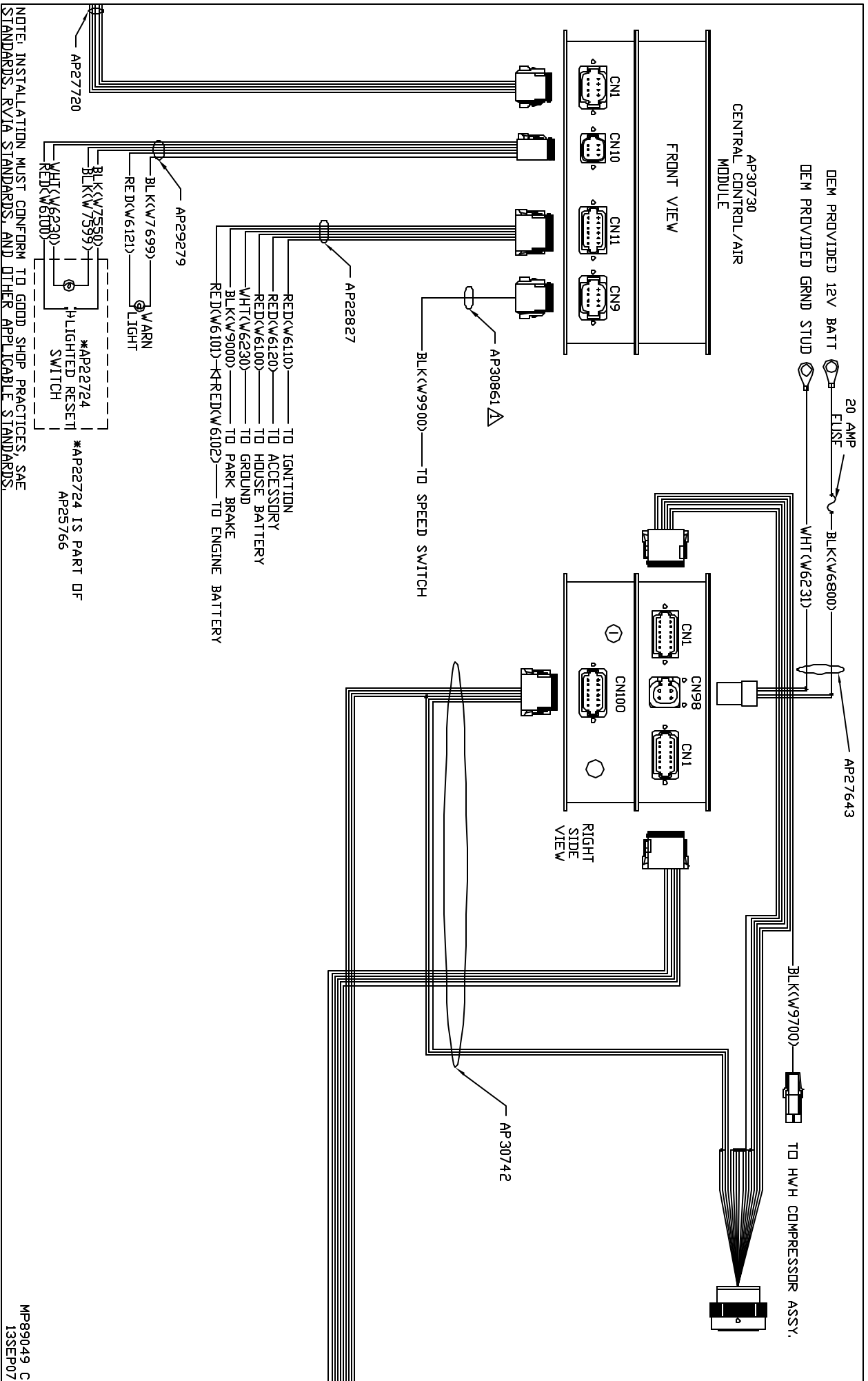
AP22703

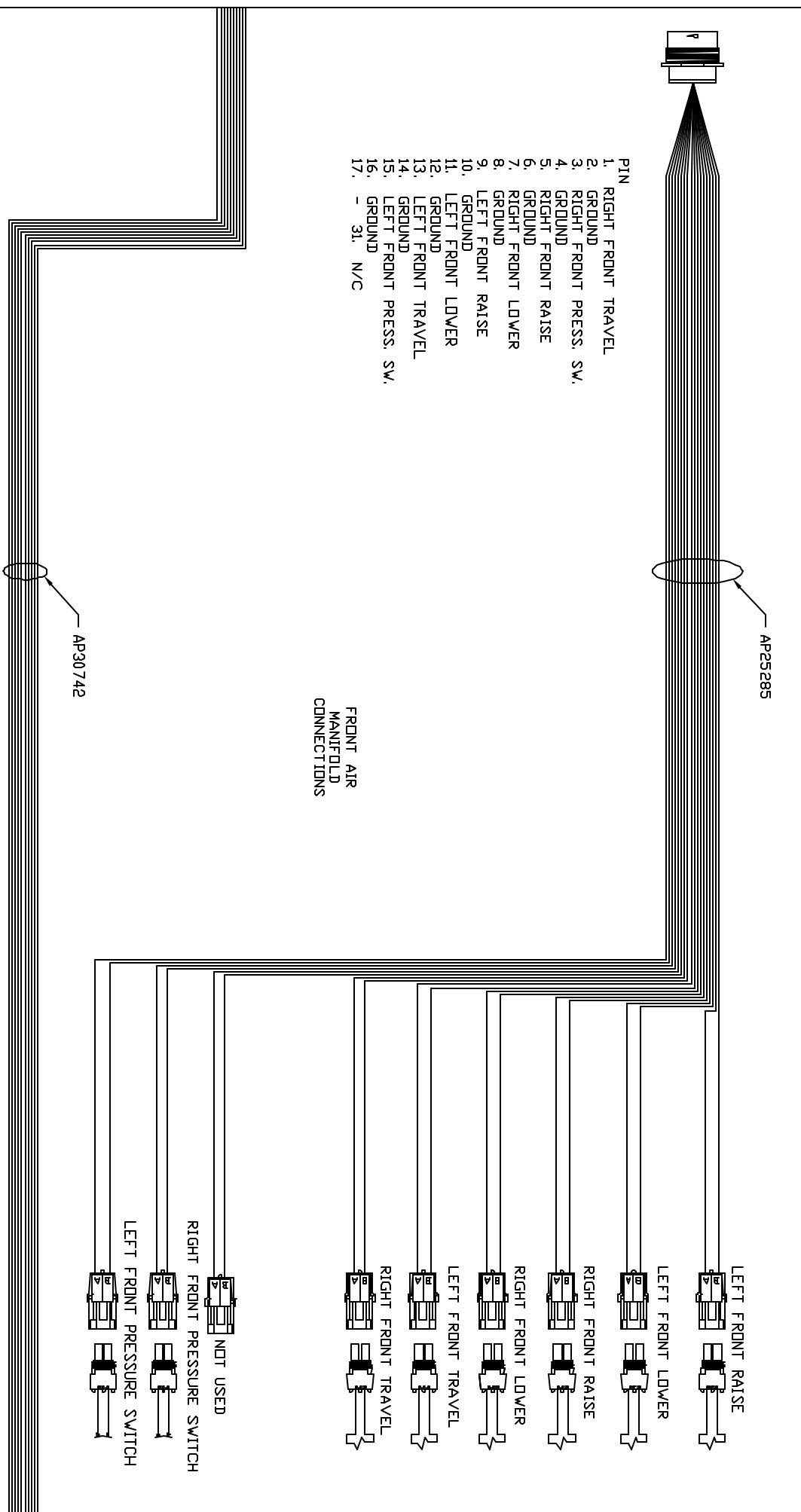
- PIN
- 1 YELLOW CAN HI
  - 2 GREEN CAN LOW
  - 3 CAN SHIELD
  - 4 GRN (W6230) GROUND
  - 5 RED (W6800) SW. BATTERY

120 OHM  
TERMINATION  
RESISTOR  
PART OF AP27720

AP27720

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





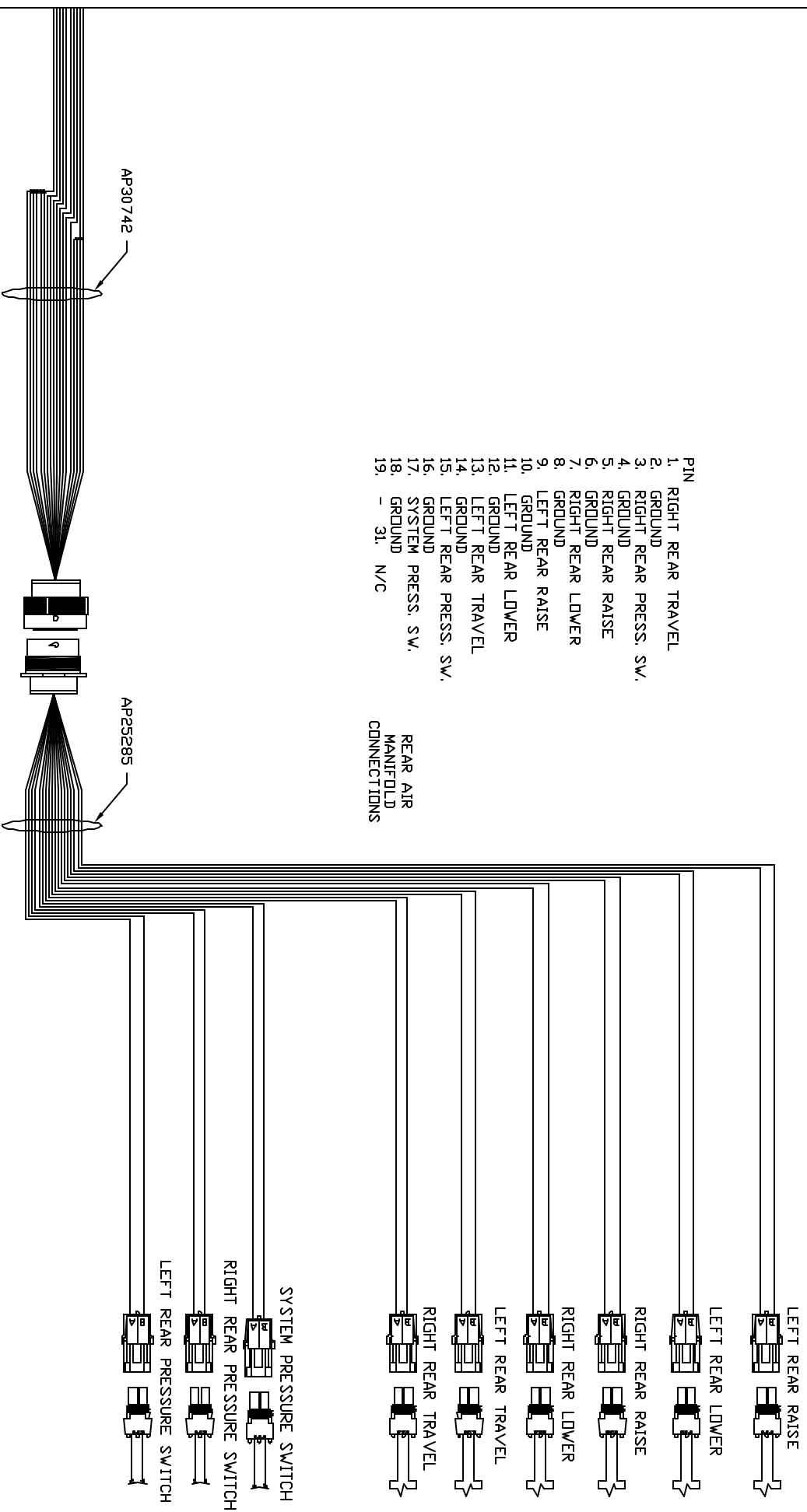
- PIN
1. RIGHT FRONT TRAVEL
  2. GROUND
  3. RIGHT FRONT PRESS. SW.
  4. GROUND
  5. RIGHT FRONT RAISE
  6. GROUND
  7. RIGHT FRONT LOWER
  8. GROUND
  9. LEFT FRONT RAISE
  10. GROUND
  11. LEFT FRONT LOWER
  12. GROUND
  13. LEFT FRONT TRAVEL
  14. GROUND
  15. LEFT FRONT PRESS. SW.
  16. GROUND
  17. -
  31. N/C

FRONT AIR  
MANIFOLD  
CONNECTIONS

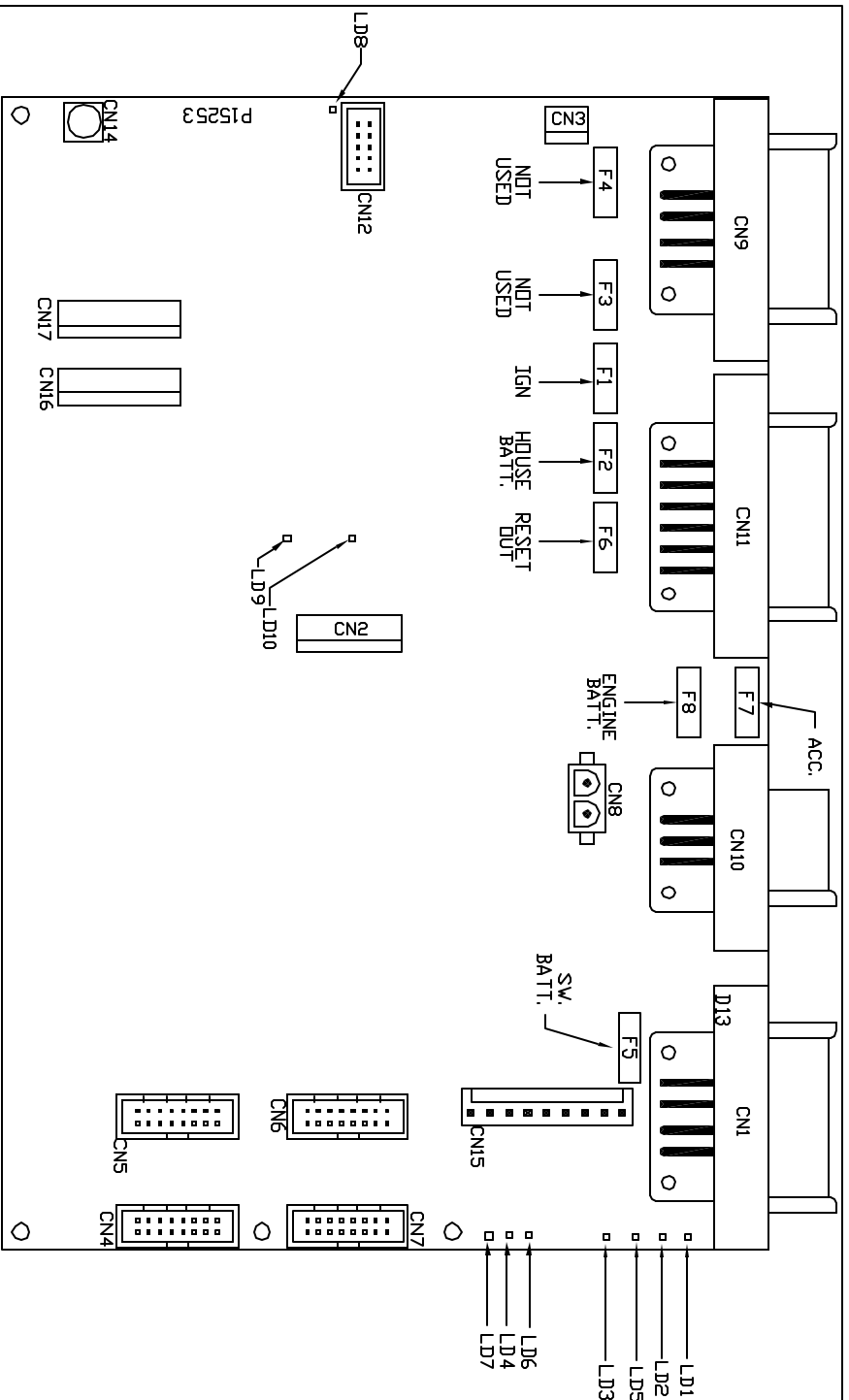
NOTE: INSTALLATION MUST CONFORM TO GOOD SHDP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

- PIN
- 1. RIGHT REAR TRAVEL
  - 2. GROUND
  - 3. RIGHT REAR PRESS. SW.
  - 4. GROUND
  - 5. RIGHT REAR RAISE
  - 6. GROUND
  - 7. RIGHT REAR LOWER
  - 8. GROUND
  - 9. LEFT REAR RAISE
  - 10. GROUND
  - 11. LEFT REAR LOWER
  - 12. GROUND
  - 13. LEFT REAR TRAVEL
  - 14. GROUND
  - 15. LEFT REAR PRESS. SW.
  - 16. GROUND
  - 17. SYSTEM PRESS. SW.
  - 18. GROUND
  - 19. - 31. N/C

REAR AIR  
MANIFOLD  
CONNECTIONS



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



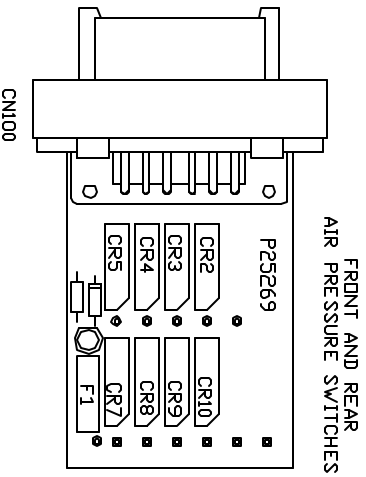
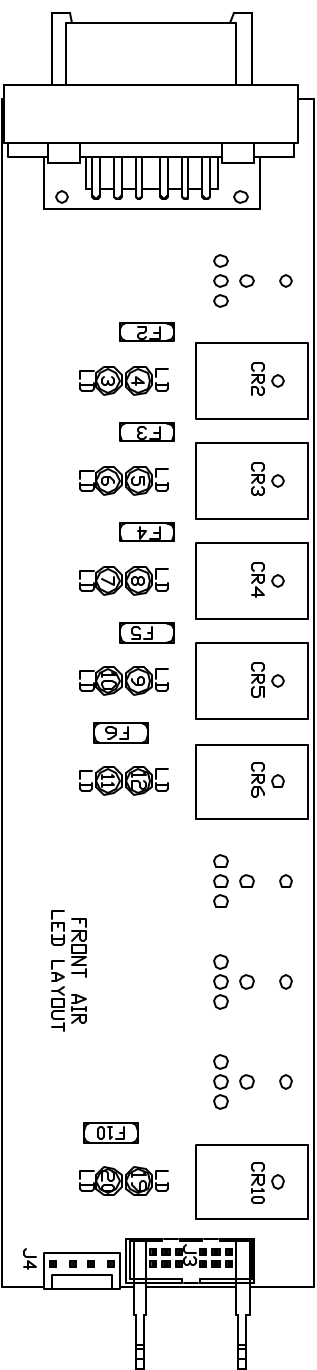
LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	NOT USED	NOT USED	NOT USED
LED 2	NOT USED	NOT USED	NOT USED
LED 3	CN 1 PIN 3	RED	SW 12V
LED 4	CN 11 PIN 12	RED	ENGINE BATT
LED 5	CN 9 PIN 5	RED	SPEED SWITCH
LED 6	NOT USED	RED	NOT USED
LED 7	CN 1 PIN 7 & 8	RED	LINK LIGHT
LED 8	NOT USED	NOT USED	NOT USED
LED 9	NOT USED	NOT USED	NOT USED
LED 10	NOT USED	NOT USED	NOT USED

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

CENTRAL  
CONTROL MODULE  
LED LAYOUT

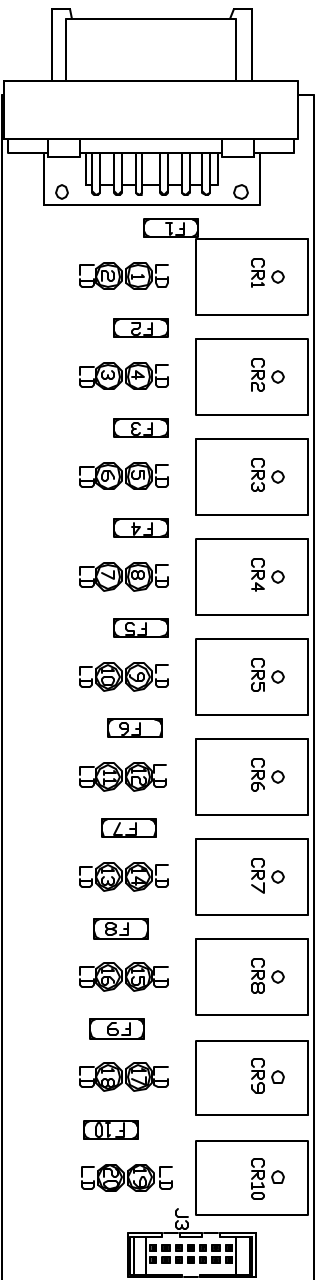
REPLACED BY P32512 PCB  
APPROXIMATELY SEPTEMBER, 2005  
SEE MP89049 I FOR P32512  
LAYOUT INFO

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)



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

CONNECTOR	REED SWITCH	DESCRIPTION
CN 100 PIN 1	---	NOT USED
CN 100 PIN 2	CR2	LEFT FRONT PSW
CN 100 PIN 3	CR3	RIGHT FRONT PSW
CN 100 PIN 4	CR4	RIGHT REAR PSW
CN 100 PIN 5	CR5	LEFT REAR PSW
CN 100 PIN 6	---	GROUND
CN 100 PIN 7	---	NOT USED
CN 100 PIN 8	CR7	SYSTEM PSW
CN 100 PIN 9	CR8	NOT USED
CN 100 PIN 10	CR9	NOT USED
CN 100 PIN 11	CR10	NOT USED
CN 100 PIN 12	---	NOT USED

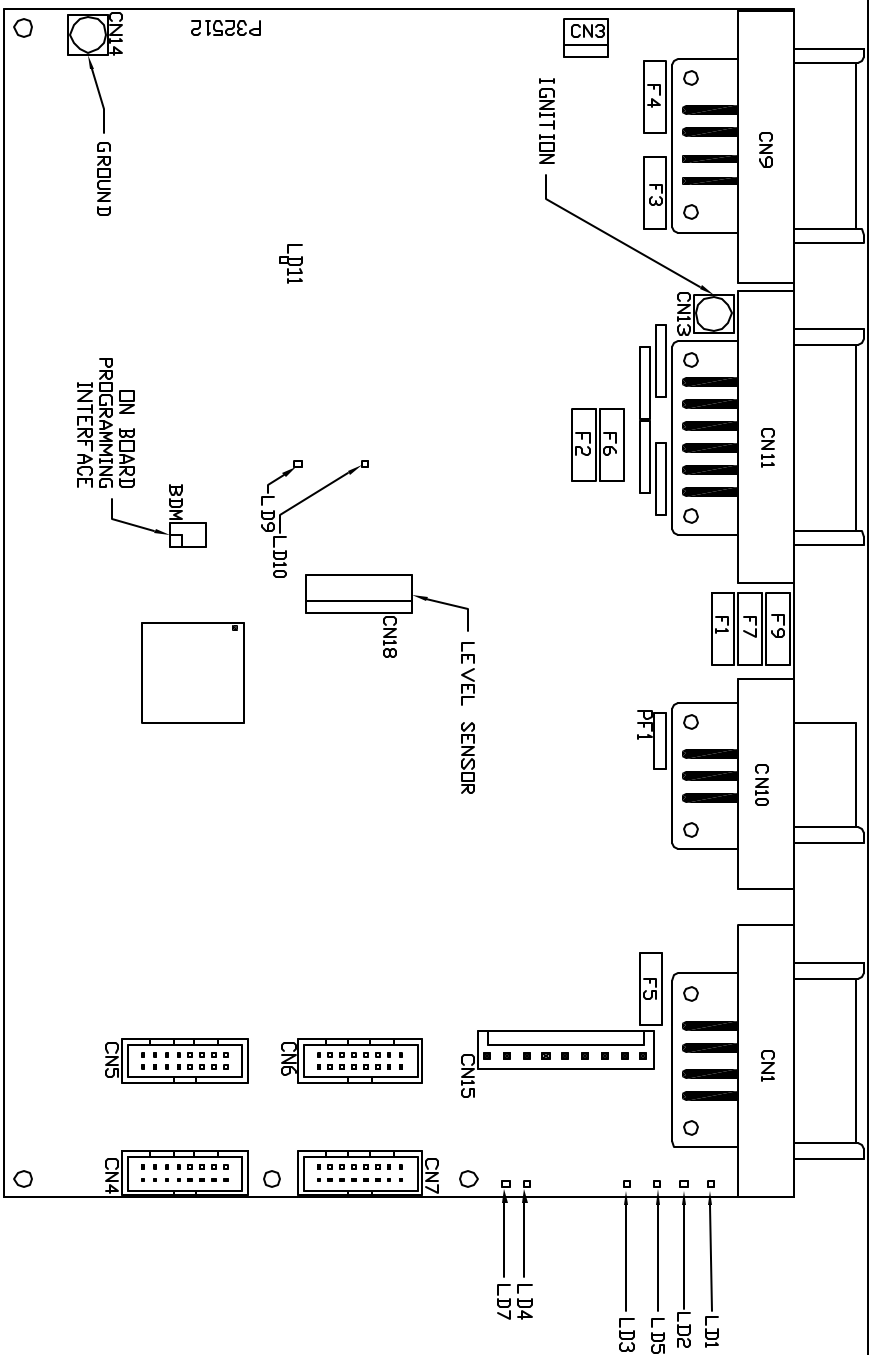


REAR AIR  
LED LAYOUT

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.





CENTRAL  
CONTROL MODULE  
LED LAYOUT  
EFFECTIVE APPROXIMATELY  
SEPTEMBER, 2005

LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	NOT USED	RED	NOT USED
LED 2	NOT USED	RED	NOT USED
LED 3	CN 1 PIN 3	RED	SW 12V
LED 4	CN 11 PIN 12	RED	ENGINE BATT
LED 5	CN 9 PIN 5	RED	SPEED SWITCH
LED 7	CN 1 PIN 7 & 8	RED	LINK LIGHT
LED 8	NOT USED	RED	NOT USED
LED 9	NOT USED	RED	NOT USED
LED 10	NOT USED	RED	NOT USED
LED 11	CN11 PIN 11	RED	PARK BRAKE

FUSE #	DESCRIPTION
PF1	RESET DUT
F7	ACCESSORY
F1	IGNITION
F2	HOUSE BATTERY
F3	NOT USED
F4	NOT USED
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.