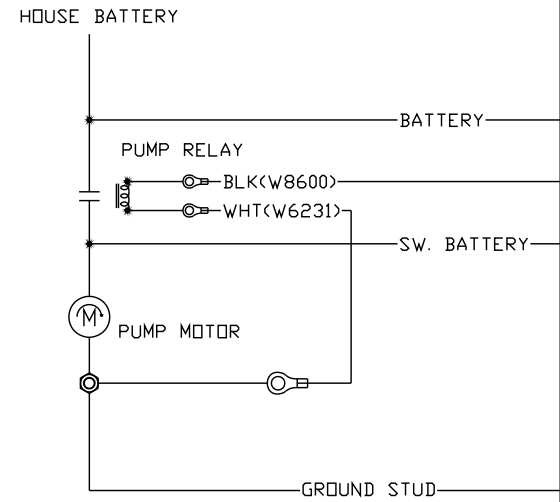
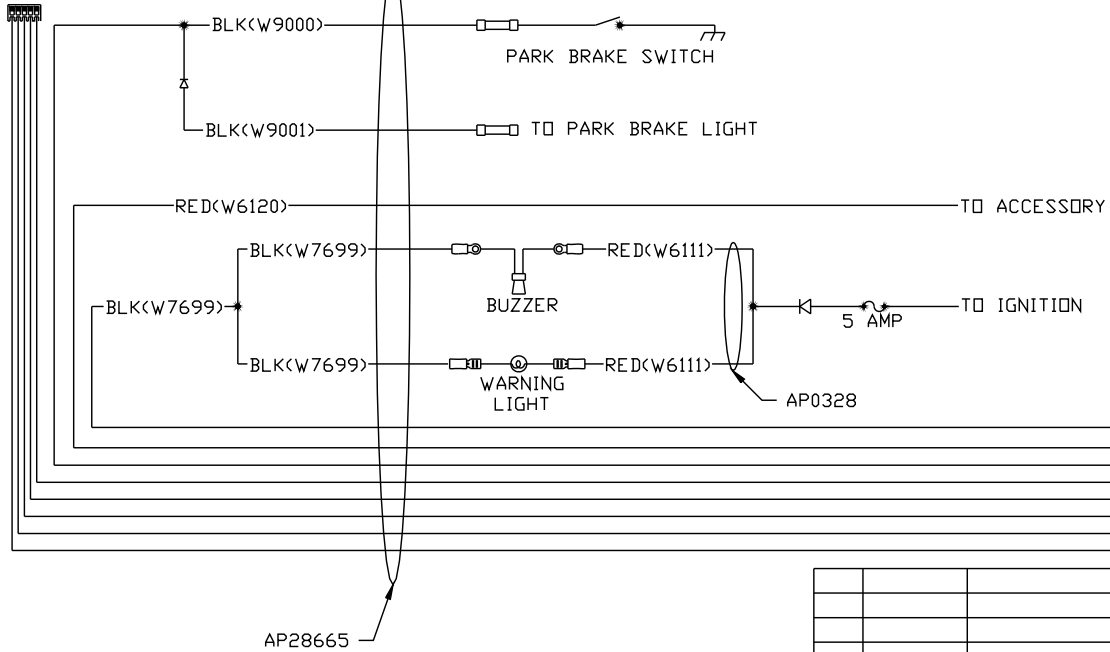


- PIN
1. YELLOW CAN HIGH
 2. GREEN CAN LOW
 3. CAN SHIELD
 4. WHT(W6230) GROUND
 5. RED(W6800) SW. BATTERY



- BLK(W7699)
- RED(W6120)
- BLK(W9000)
- YELLOW
- GREEN
- SHIELD
- WHITE(W6230)
- RED(W6800)

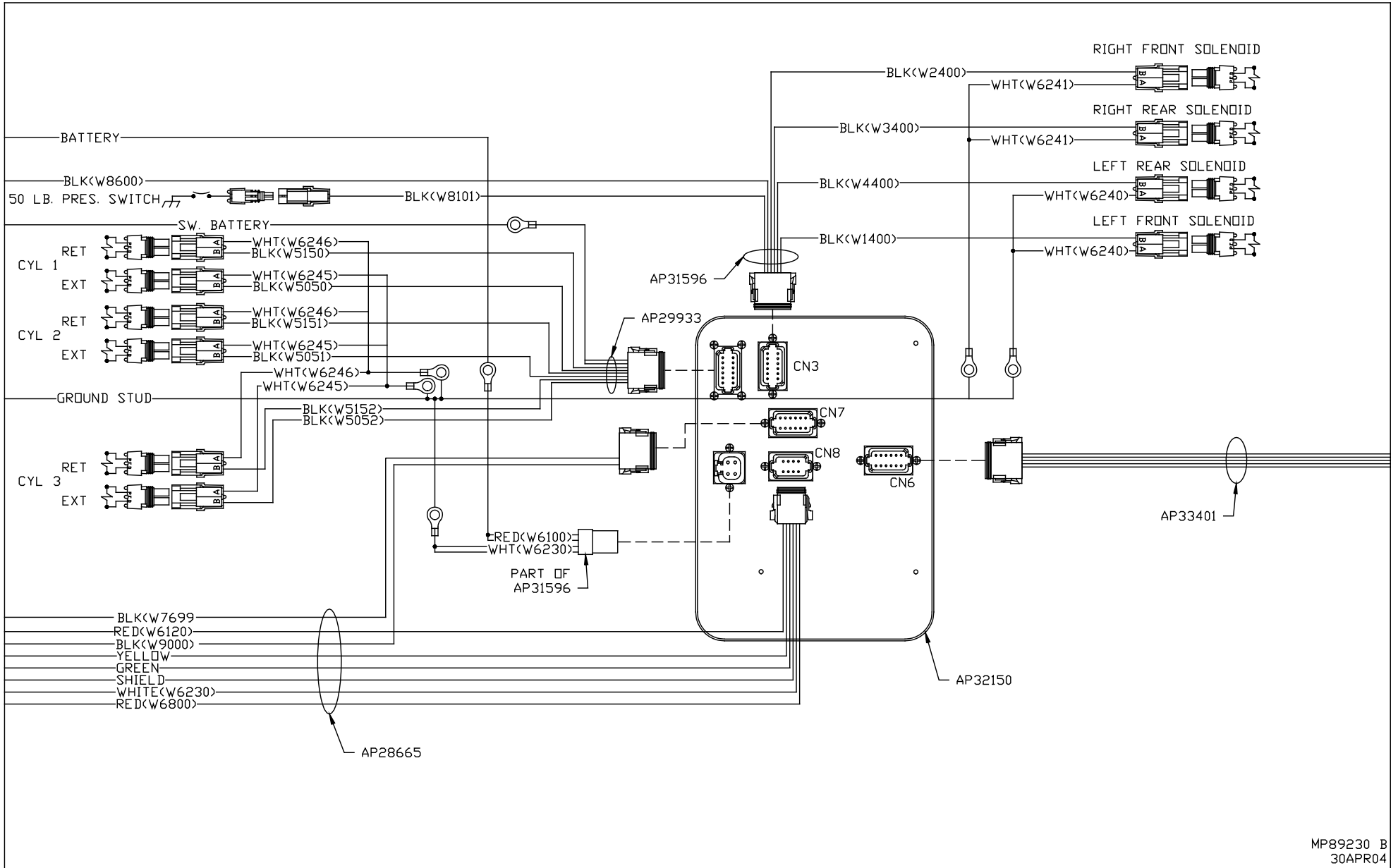
1	08SEP05	CORRECTED PINOUTS
NO.	DATE	REVISION
THE INFORMATION DISCLOSED ON THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE DISCLOSED OR USED IN ANY MANNER WHICH WILL BE DETRIMENTAL TO THE HWH CORPORATION		

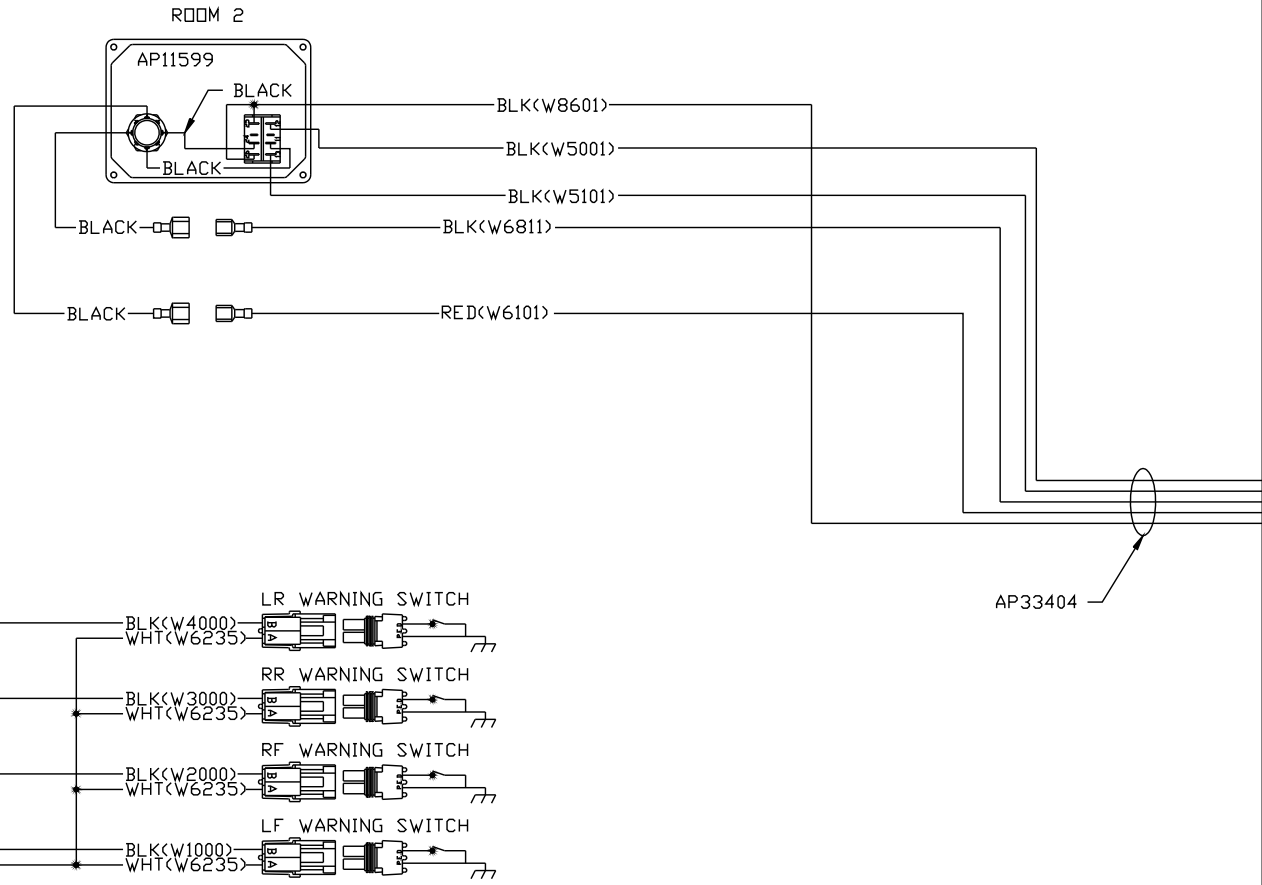
HWH I-80 EXIT 267 SOUTH
RT 1 MOSCOW, IOWA 52760

SCALE 1:3 DATE 30APR04 DRAWN BY .

SYSTEM SCHEMATIC ELEC

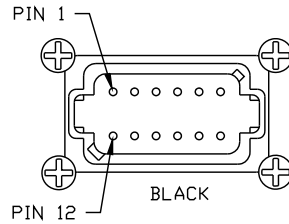
DRAWING NUMBER
MP89230 A/G





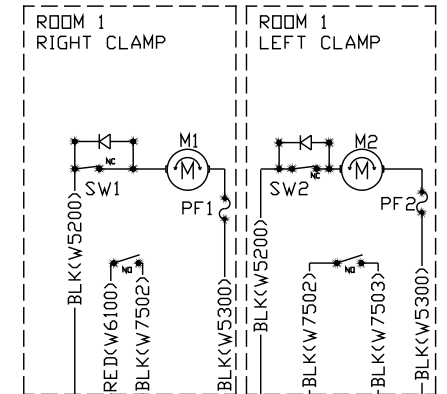
BLACK 12 PIN

1. BLK(W6810) SWITCHED BATT. ROOM 2
2. BLK(W5000) EXTEND ROOM 2
3. BLK(W5100) RETRACT ROOM 2
4. BLK(W6811) SWITCHED BATT. ROOM 1
5. BLK(W5001) EXTEND ROOM 1
6. BLK(W5101) RETRACT ROOM 1
7. N/C
8. N/C (KEY PIN)
9. N/C
10. BLK(W8601) PUMP
11. RED(W6101) BATTERY
12. N/C (KEY PIN)



9 PIN

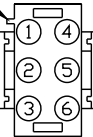
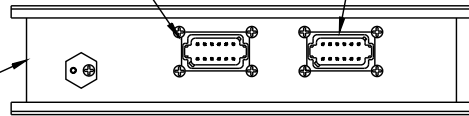
1. BLK(W5200) CLAMP RETRACT
2. RED(W6100) BATTERY
3. BLK(W7502) CLAMP RETRACT LIMIT SW.
4. BLK(W7503) CLAMP RETRACT LIMIT SW.
5. BLK(W5300) CLAMP EXTEND
6. BLK(W5300) CLAMP EXTEND
7. BLK(W7503) CLAMP RETRACT LIMIT SW.
8. BLK(W5200) CLAMP RETRACT
9. N/C



SEE MP89230E
FOR CONNECTIONS

LOCATING PIN

AP32150



6 PIN

1. RED(W6100) BATTERY
2. BLK(W5300) CLAMP EXTEND
3. BLK(W5200) CLAMP RETRACT
4. BLK(W7503) CLAMP RETRACT LIMIT SW.
5. N/C
6. N/C

2 PIN

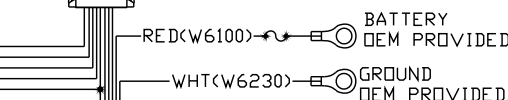
1. RED(W6100) BATTERY
2. BLK(W5200) CLAMP RET.

2 PIN

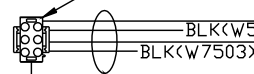
1. BLK(W7503) CLAMP RET. LIMIT SW.
2. BLK(W5300) CLAMP EXT.

6 PIN

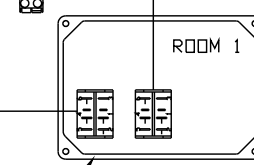
1. BLK(W5200) CLAMP RET.
2. BLK(W7502) CLAMP RET. LIMIT SW.
3. BLK(W7503) CLAMP RET. LIMIT SW.
4. BLK(W5300) CLAMP EXT.
5. N/C
6. N/C



AP33404

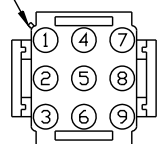


AP33499



AP33496

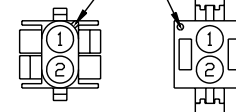
LOCATING PIN



9 PIN

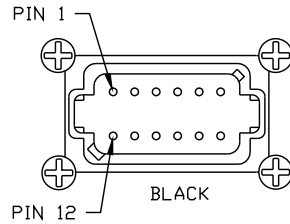
1. WHT(W6230) GROUND
2. WHT(W6230) GROUND
3. RED(W6100) BATTERY
4. RED(W6100) BATTERY
5. BLK(W5000) EXTEND ROOM 1
6. BLK(W5100) RETRACT ROOM 1
7. BLK(W8601) PUMP
8. BLK(W6810) SWITCHED BATTERY
9. BLK(W6810) SWITCHED BATTERY

LOCATING PIN

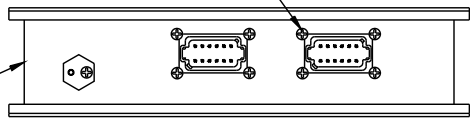


BLACK 12 PIN

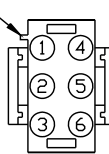
1. BLK(W6812) SWITCHED BATT. ROOM 3
2. BLK(W5002) EXTEND ROOM 3
3. BLK(W5102) RETRACT ROOM 3
4. N/C
5. N/C
6. N/C
7. N/C
8. N/C (KEY PIN)
9. N/C (KEY PIN)
10. BLK(W8601) PUMP
11. N/C
12. N/C



AP32150



LOCATING PIN



9 PIN

1. BLK(W5200) CLAMP RETRACT
2. RED(W6100) BATTERY
3. BLK(W7502) CLAMP RETRACT LIMIT SW.
4. BLK(W7503) CLAMP RETRACT LIMIT SW.
5. BLK(W5300) CLAMP EXTEND
6. BLK(W5300) CLAMP EXTEND
7. BLK(W7503) CLAMP RETRACT LIMIT SW.
8. BLK(W5200) CLAMP RETRACT
9. N/C

6 PIN

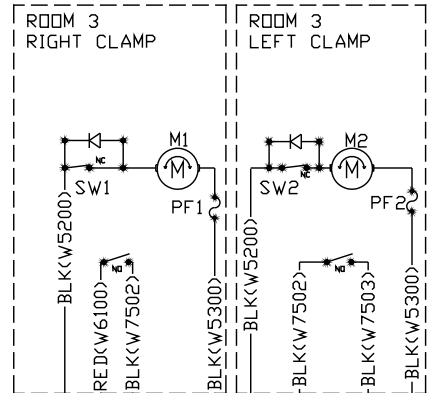
1. RED(W6100) BATTERY
2. BLK(W5300) CLAMP EXTEND
3. BLK(W5200) CLAMP RETRACT
4. BLK(W7503) CLAMP RETRACT LIMIT SW.
5. N/C
6. N/C

2 PIN

1. RED(W6100) BATTERY
2. BLK(W5200) CLAMP RET.

2 PIN

1. BLK(W7503) CLAMP RET. LIMIT SW.
2. BLK(W5300) CLAMP EXT.

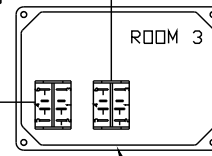
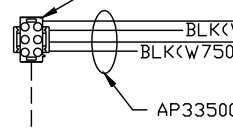
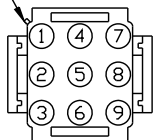


AP33403

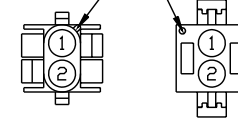
9 PIN

1. WHT(W6230) GROUND
2. WHT(W6230) GROUND
3. RED(W6100) BATTERY
4. RED(W6100) BATTERY
5. BLK(W5002) EXTEND ROOM 3
6. BLK(W5102) RETRACT ROOM 3
7. BLK(W8601) PUMP RELAY
8. BLK(W6812) SWITCHED BATTERY
9. BLK(W6812) SWITCHED BATTERY

LOCATING PIN



LOCATING PIN



6 PIN

1. BLK(W5200) CLAMP RET.
2. BLK(W7502) CLAMP RET. LIMIT SW.
3. BLK(W7503) CLAMP RET. LIMIT SW.
4. BLK(W5300) CLAMP EXT.
5. N/C
6. N/C

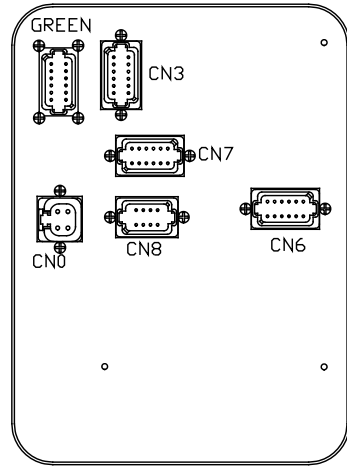
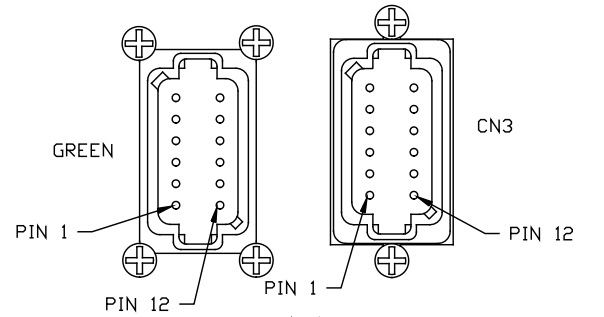
NOTE: WIRE NUMBERS ON THIS PAGE REFER TO HARNESS PLUGS.

GREEN 12 PIN

1. BLK(W5050) CYL EXT. ROOM 1
2. BLK(W5150) CYL RET. ROOM 1
3. BLK(W5151) CYL RET. ROOM 2
4. BLK(W5051) CYL EXT. ROOM 2
5. BLK(W5052) CYL EXT. ROOM 3
6. BLK(W5152) CYL RET. ROOM 3
7. N/C
8. N/C
9. BLK(W6810) SW. BATTERY
10. BLK(W6810) SW. BATTERY
11. BLK(W6810) SW. BATTERY
12. BLK(W6810) SW. BATTERY

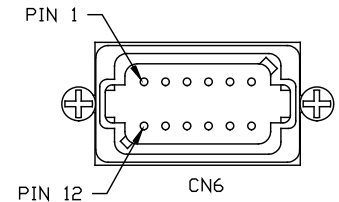
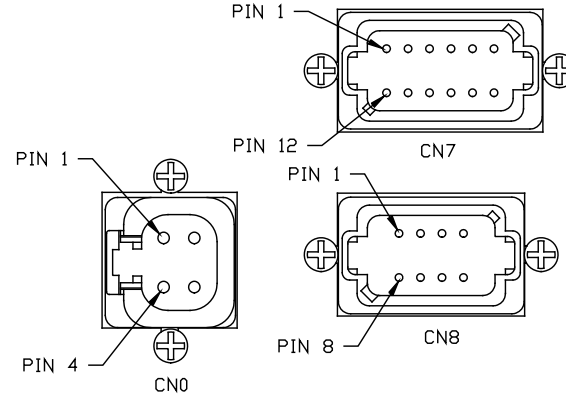
CN3 (BROWN)

- PIN
- 1 N/C
 - 2 N/C
 - 3 BLK(W8101) 50 LB PRESS SW
 - 4 N/C
 - 5 BLK(W1400) LF SOLENOID
 - 6 N/C
 - 7 N/C
 - 8 BLK(W4400) LR SOLENOID
 - 9 BLK(W3400) RR SOLENOID
 - 10 BLK(W2400) RF SOLENOID
 - 11 N/C
 - 12 BLK(W8600) PUMP RELAY CONTROL



CN12 (BLACK)

- PIN
- 1 N/C
 - 2 N/C
 - 3 N/C
 - 4 N/C
 - 5 N/C
 - 6 N/C
 - 7 BLK(W9000) PARK BRAKE
 - 8 N/C
 - 9 N/C
 - 10 N/C
 - 11 BLK(W7699) WARN/BUZZER CONTROL
 - 12 N/C



CN0 (GRAY)

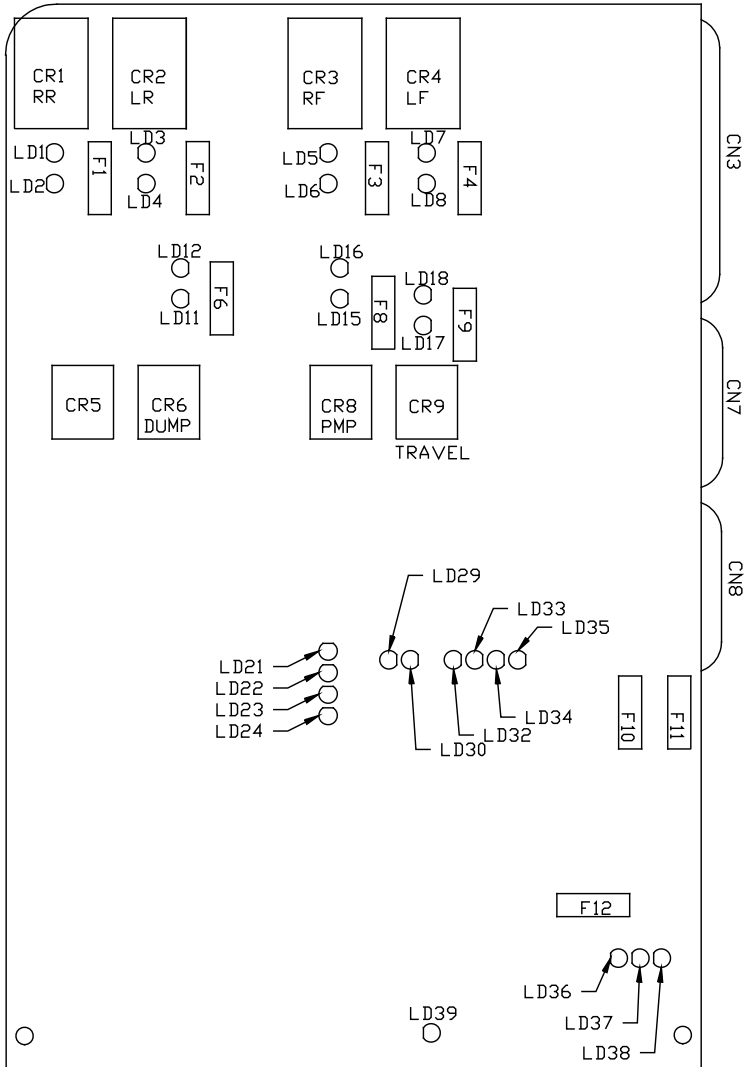
- PIN
- 1 RED(W6100) BATT
 - 2 RED(W6100) BATT
 - 3 WHT(W6230) GROUND
 - 4 WHT(W6230) GROUND

CN8 (BLACK)

- PIN
- 1 N/C
 - 2 N/C
 - 3 RED(W6800) SW BATT
 - 4 WHT(W6230) GROUND
 - 5 CAN SHIELD
 - 6 RED(W6120) ACCESSORY
 - 7 GREEN
 - 8 YELLOW

CN6 (GRAY)

- PIN
- 1 N/C
 - 2 N/C
 - 3 BLK(W1000) LF WARN SW
 - 4 BLK(W2000) RF WARN SW
 - 5 N/C
 - 6 N/C
 - 7 N/C
 - 8 N/C
 - 9 BLK(W3000) RR WARN SW
 - 10 BLK(W4000) LR WARN SW
 - 11 N/C
 - 12 WHT(W6235) GROUND



LED #	COLOR	DESCRIPTION
LED 1	YELLOW	RR COIL
LED 2	RED	RR CONTACT
LED 3	YELLOW	LR COIL
LED 4	RED	LR CONTACT
LED 5	YELLOW	RF COIL
LED 6	RED	RF CONTACT
LED 7	YELLOW	LF COIL
LED 8	RED	LF CONTACT
LED 9	YELLOW	---
LED 10	RED	---
LED 11	YELLOW	DUMP COIL
LED 12	RED	DUMP CONTACT
LED 13	---	---
LED 14	---	---
LED 15	YELLOW	PUMP COIL
LED 16	RED	PUMP CONTACT
LED 17	YELLOW	TRAVEL COIL
LED 18	RED	TRAVEL CONTACT
LED 19	---	---
LED 20	---	---
LED 21	YELLOW	LF WARN SW
LED 22	YELLOW	RF WARN SW
LED 23	YELLOW	RR WARN SW
LED 24	YELLOW	LR WARN SW
LED 25	---	---
LED 26	---	---
LED 27	---	---
LED 28	---	---
LED 29	RED	NOT USED
LED 30	YELLOW	NOT USED
LED 31	---	---
LED 32	RED	MASTER WARNING CONTROL
LED 33	GREEN	50 LB PSW INPUT
LED 34	RED	JACK INTERRUPT
LED 35	RED	PARK BRAKE
LED 36	RED	BOARD ENABLED
LED 37	RED	ACCESSORY IN
LED 38	RED	ACCESSORY OUT
LED 39	RED	LINK LIGHT

FUSE	RATING	DESCRIPTION
F1	15 AMP	RR OUTPUT
F2	15 AMP	LR OUTPUT
F3	15 AMP	RF OUTPUT
F4	15 AMP	LF OUTPUT
F5	---	---
F6	5 AMP	DUMP
F7	---	---
F8	5 AMP	PUMP OUTPUT
F9	5 AMP	TRAVEL OUTPUT
F10	7.5 AMP	ACC INPUT
F11	3 AMP	WARN LITE SUPPLY
F12	10 AMP	ACC OUTPUT