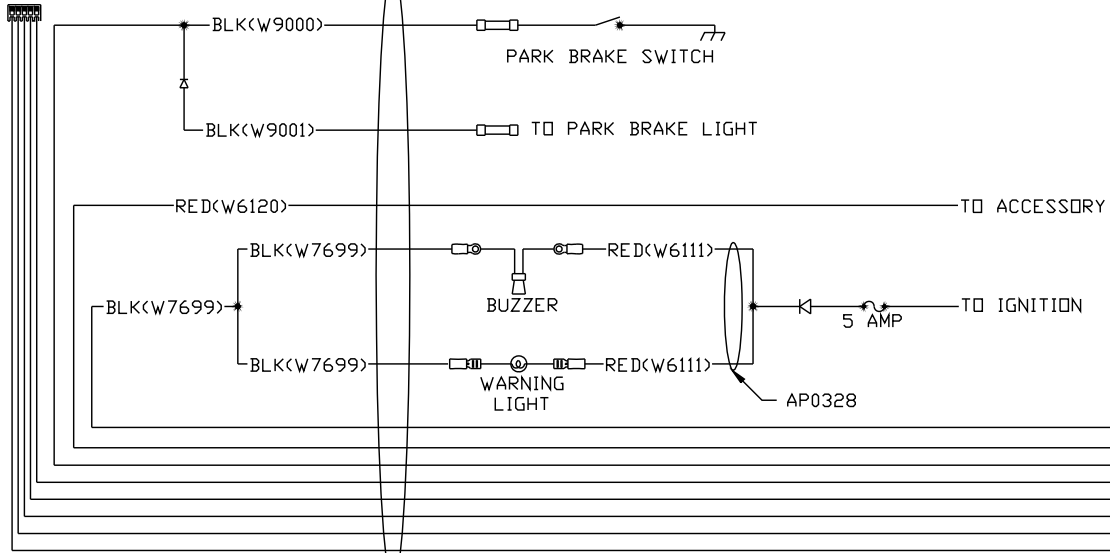
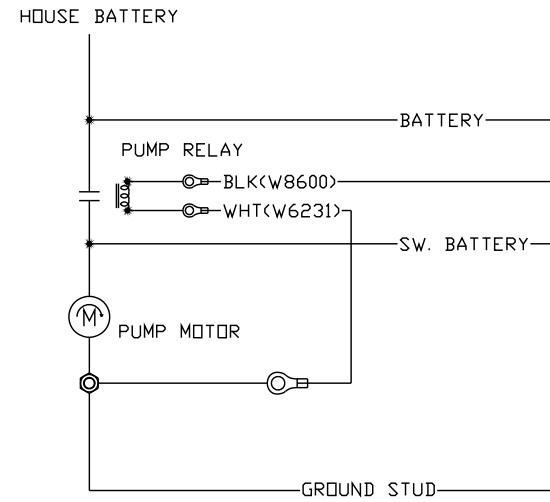


- PIN
1. YELLOW CAN HIGH
  2. GREEN CAN LOW
  3. CAN SHIELD
  4. WHT(W6230) GROUND
  5. RED(W6800) SW. BATTERY



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

AP28665

NO.	DATE	REVISION
1	08SEP05	CORRECTED PINOUTS

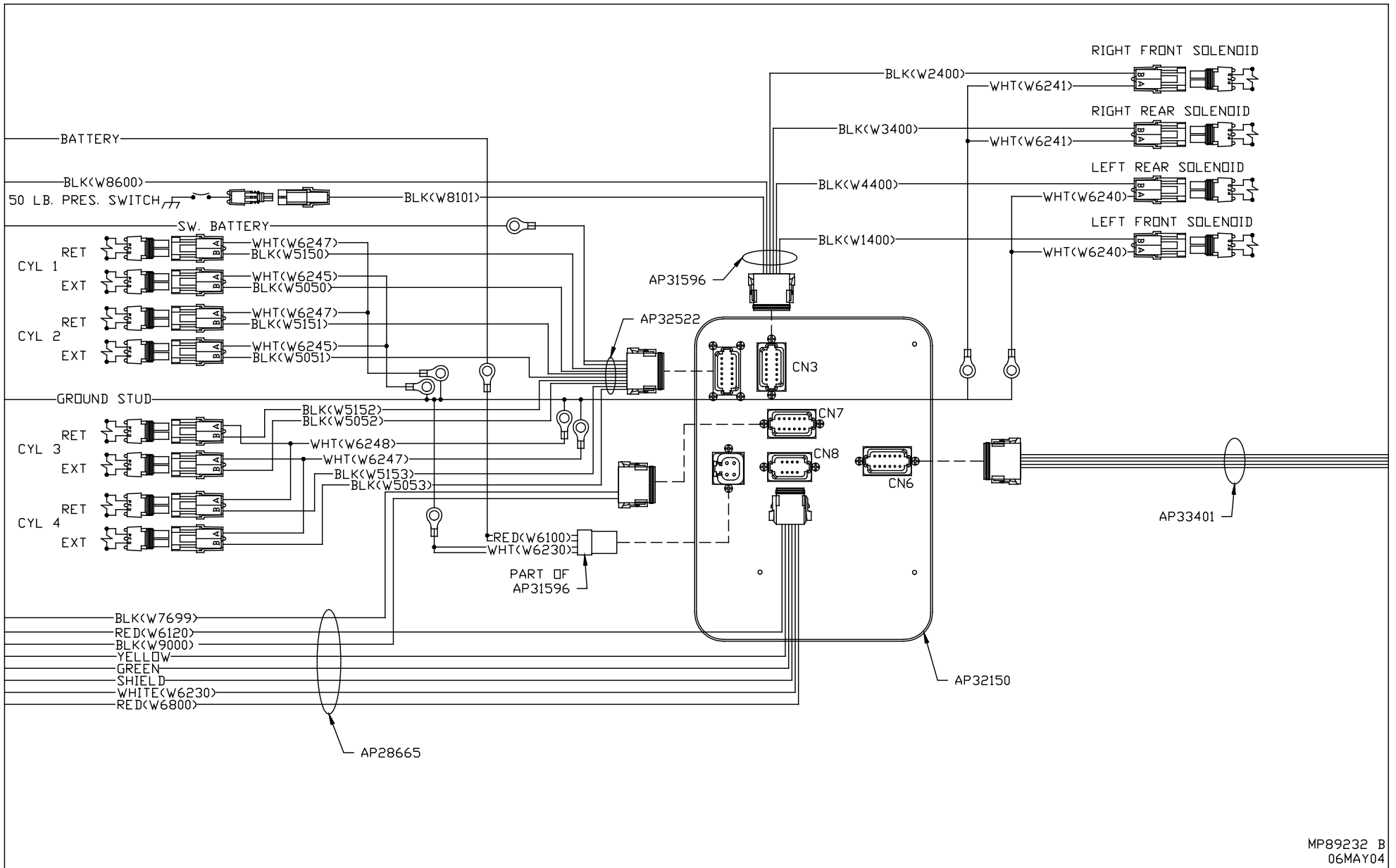
HWH I-80 EXIT 267 SOUTH  
RT 1 MOSCOW, IOWA 52760

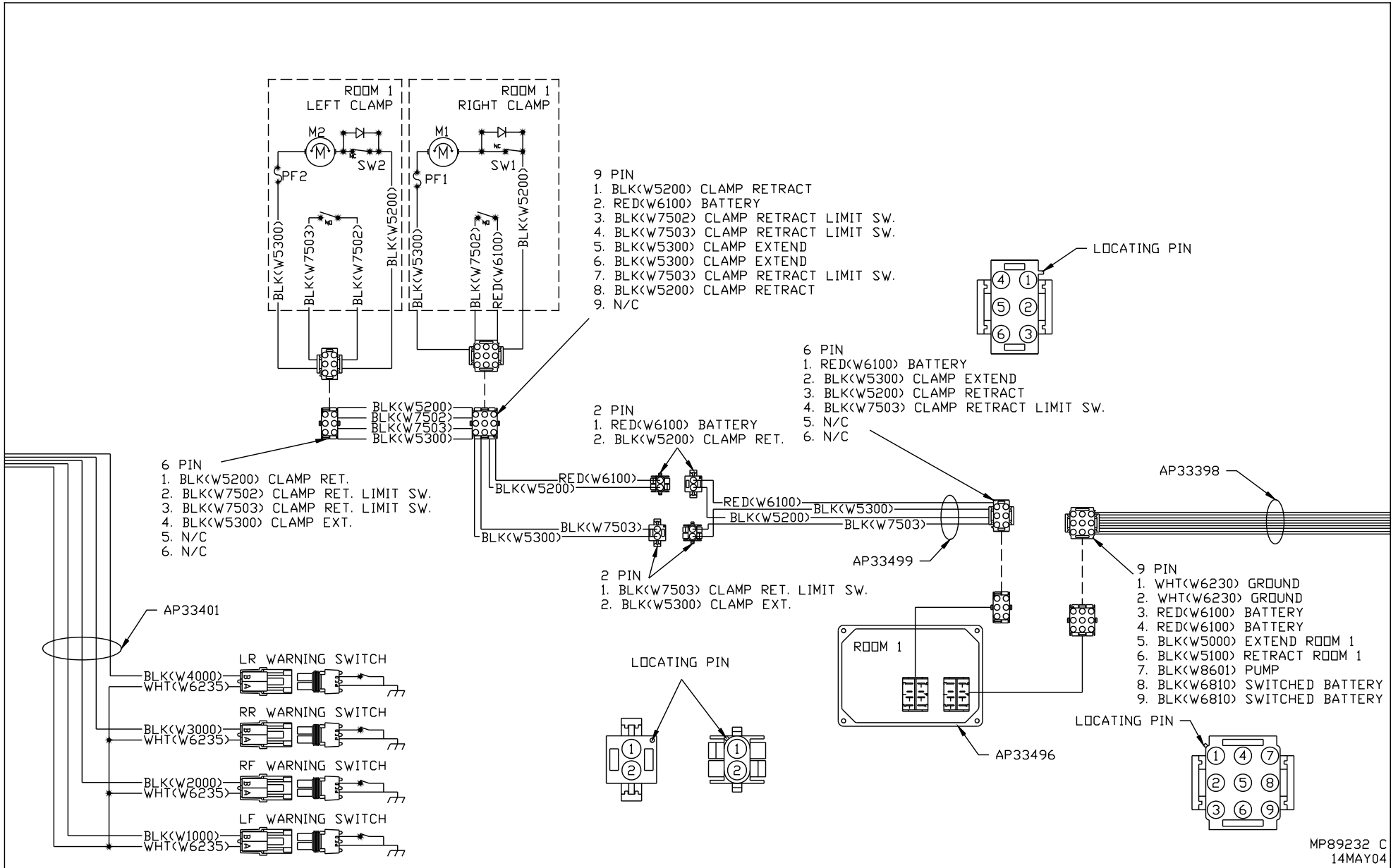
SCALE 1:3 DATE 06MAY04 DRAWN BY .

SYSTEM SCHEMATIC ELEC

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

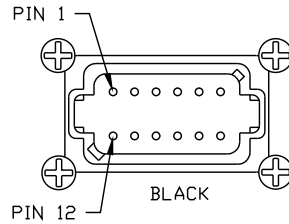
DRAWING NUMBER  
MP89232 A/G





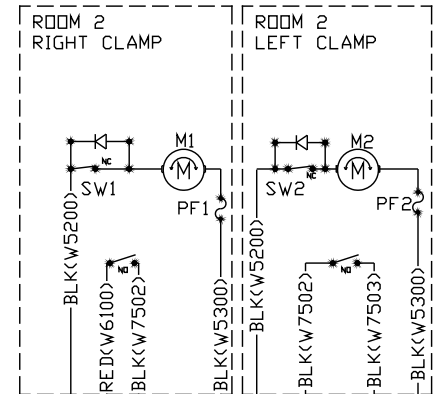
BLACK 12 PIN

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. N/C
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



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

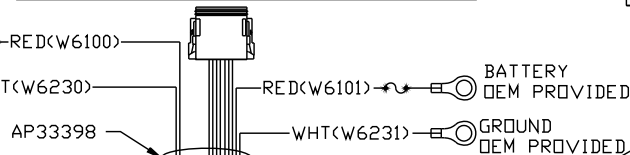
1. BLK(W7503) CLAMP RET. LIMIT SW.
2. BLK(W5300) CLAMP EXT.

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

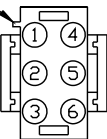
BATTERY  
OEM PROVIDED

GROUND  
OEM PROVIDED



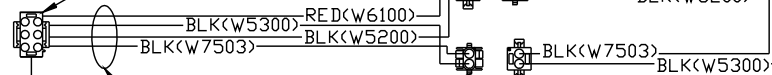
SEE MP89232E  
FOR CONNECTIONS

LOCATING PIN

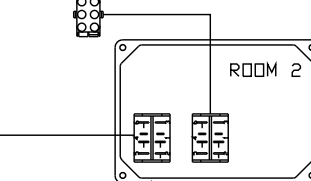


BATTERY  
OEM PROVIDED

GROUND  
OEM PROVIDED



AP33411

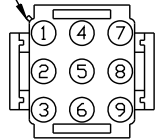


AP33496

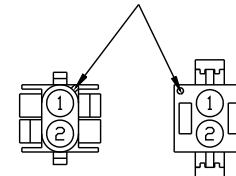
LOCATING PIN

9 PIN

1. WHT(W6231) GROUND
2. WHT(W6231) GROUND
3. RED(W6101) BATTERY
4. RED(W6101) BATTERY
5. BLK(W5001) EXTEND ROOM 2
6. BLK(W5101) RETRACT ROOM 2
7. BLK(W8601) PUMP
8. BLK(W6811) SWITCHED BATTERY
9. BLK(W6811) SWITCHED BATTERY

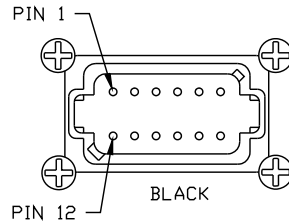


LOCATING PIN



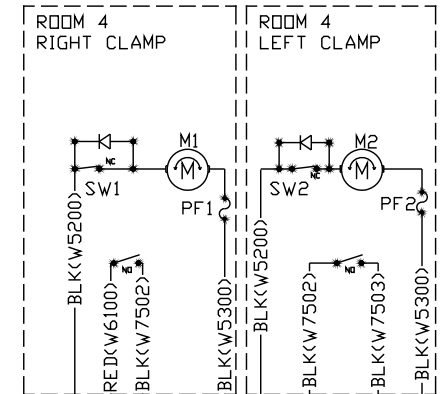
BLACK 12 PIN

1. BLK(W6812) SWITCHED BATT. ROOM 3
2. BLK(W5002) EXTEND ROOM 3
3. BLK(W5102) RETRACT ROOM 3
4. BLK(W6813) SWITCHED BATT. ROOM 4
5. BLK(W5003) EXTEND ROOM 4
6. BLK(W5103) RETRACT ROOM 4
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

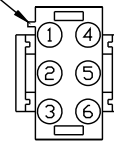
1. BLK(W5200) CLAMP RETRACT
2. RED(W6100) BATTERY
3. BLK(W7502) CLAMP RETRACT LIMIT SW.
4. BLK(W7503) CLAMP RETRACT LIMIT SW.
5. BLK(W5300) CLAMP EXTEND
6. BLK(W5300) CLAMP EXTEND
7. BLK(W7503) CLAMP RETRACT LIMIT SW.
8. BLK(W5200) CLAMP RETRACT
9. N/C



SEE MP89232D FOR CONNECTIONS

AP32150

LOCATING PIN



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.

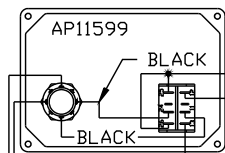
2 PIN

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

ROOM 3

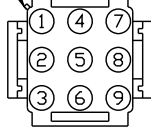


- BLK(W8601)
- BLK(W5002)
- BLK(W5102)
- BLK(W6812)
- RED(W6101)

9 PIN

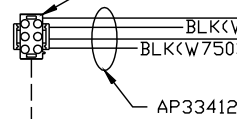
1. WHT(W6230) GROUND
2. WHT(W6230) GROUND
3. RED(W6100) BATTERY
4. RED(W6100) BATTERY
5. BLK(W5003) EXTEND ROOM 4
6. BLK(W5103) RETRACT ROOM 4
7. BLK(W8601) PUMP
8. BLK(W6813) SWITCHED BATTERY
9. BLK(W6813) SWITCHED BATTERY

LOCATING PIN



BATTERY OEM PROVIDED

GROUND OEM PROVIDED

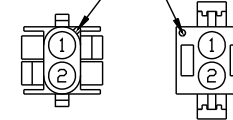


AP33412

ROOM 4

AP33496

LOCATING PIN

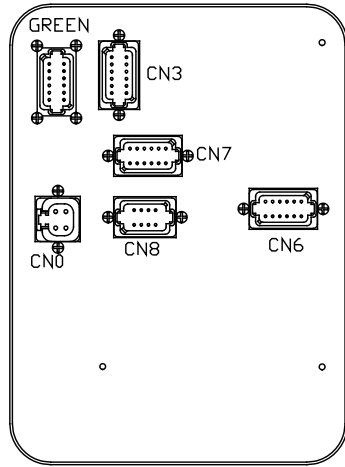
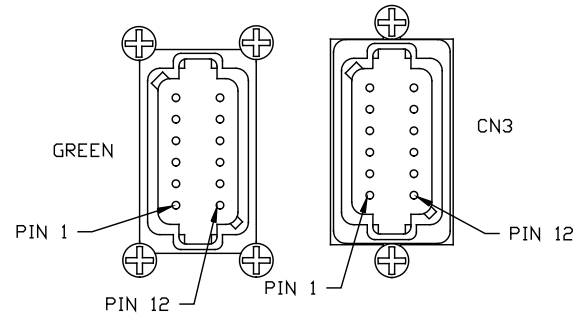


GREEN 12 PIN

1. BLK(W5050) CYL EXT. ROOM 1
2. BLK(W5150) CYL RET. ROOM 1
3. BLK(W5051) CYL EXT. ROOM 2
4. BLK(W5151) CYL RET. ROOM 2
5. BLK(W5152) CYL RET. ROOM 3
6. BLK(W5052) CYL EXT. ROOM 3
7. BLK(W5053) CYL EXT. ROOM 4
8. BLK(W5153) CYL RET. ROOM 4
9. BLK(W6810) SW. BATTERY
10. BLK(W6810) SW. BATTERY
11. BLK(W6810) SW. BATTERY
12. BLK(W6810) SW. BATTERY

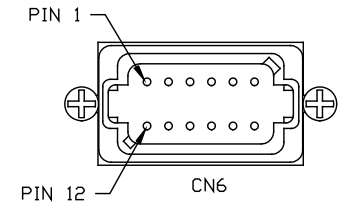
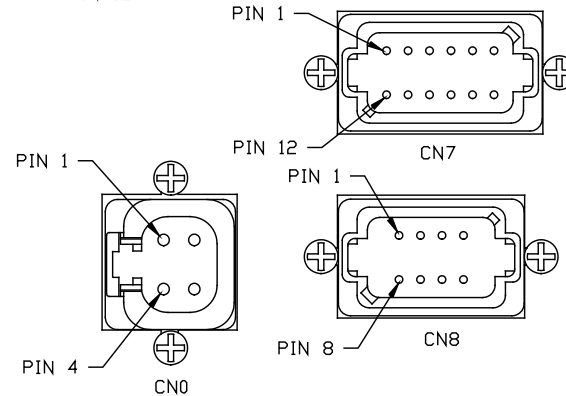
CN3 (BROWN)

- 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



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

CN0 (GRAY)

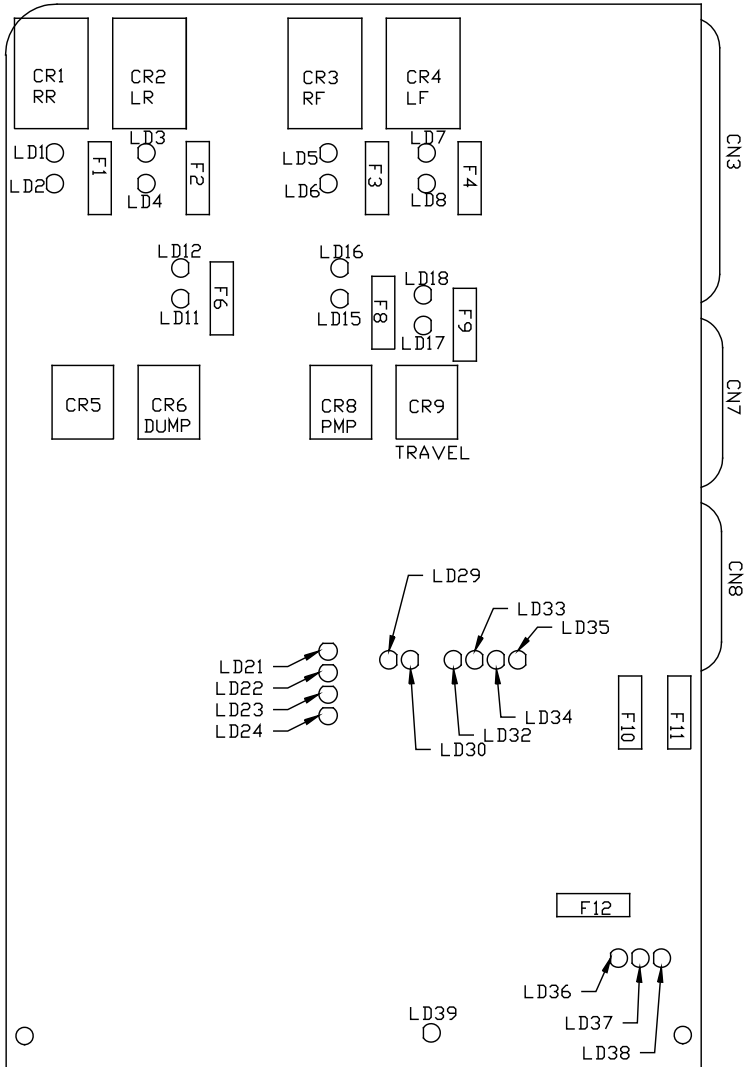
- PIN
- 1 RED(W6100) BATT
  - 2 RED(W6100) BATT
  - 3 WHT(W6230) GROUND
  - 4 WHT(W6230) GROUND

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