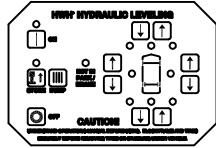
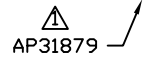
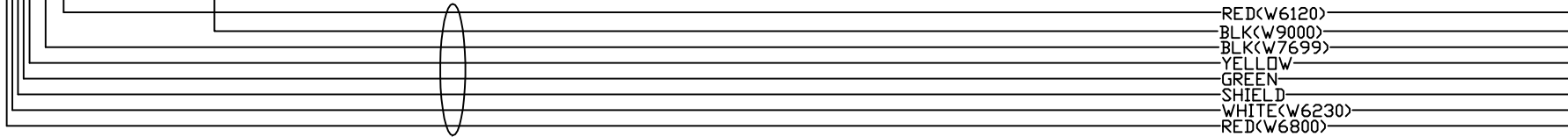
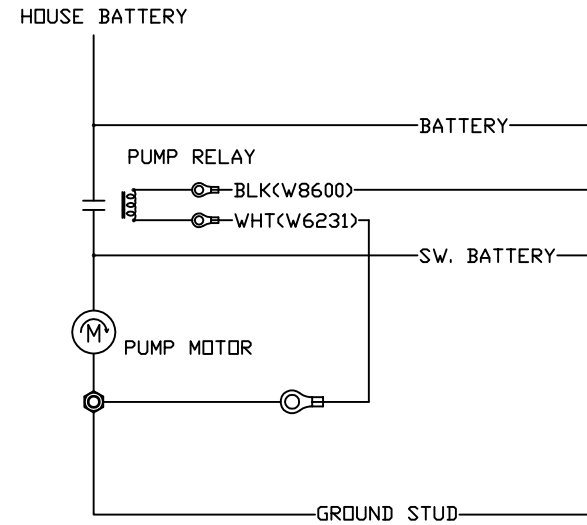
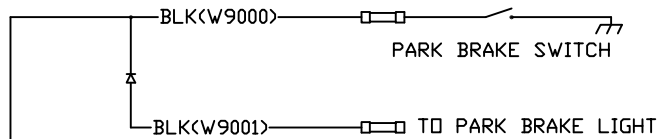
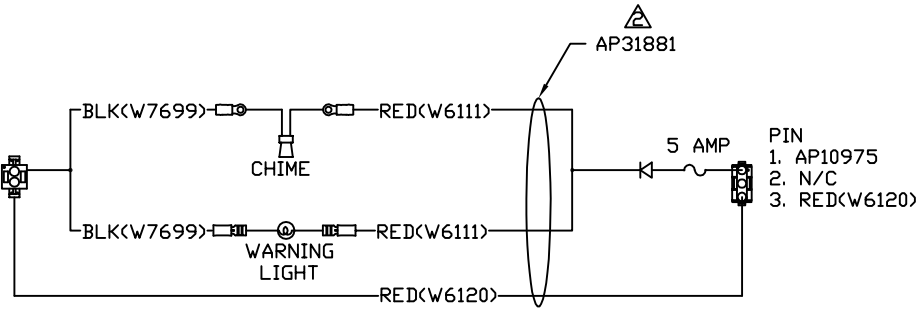
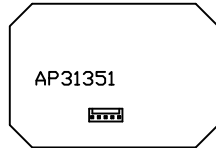


NOTE: AP31351 TOUCH PANEL AND AP31812 CHIME KIT WHICH INCLUDES AP31881 ARE ORDERED SEPARATELY FROM HWH CORP.



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



NO.	DATE	REVISION
4	18DEC03	CORRECTED WIRE NUMBERS
3	08SEP03	UPDATED NOTE
⚠	08SEP03	ADDED AP31881
⚠	08SEP03	WAS AP31341

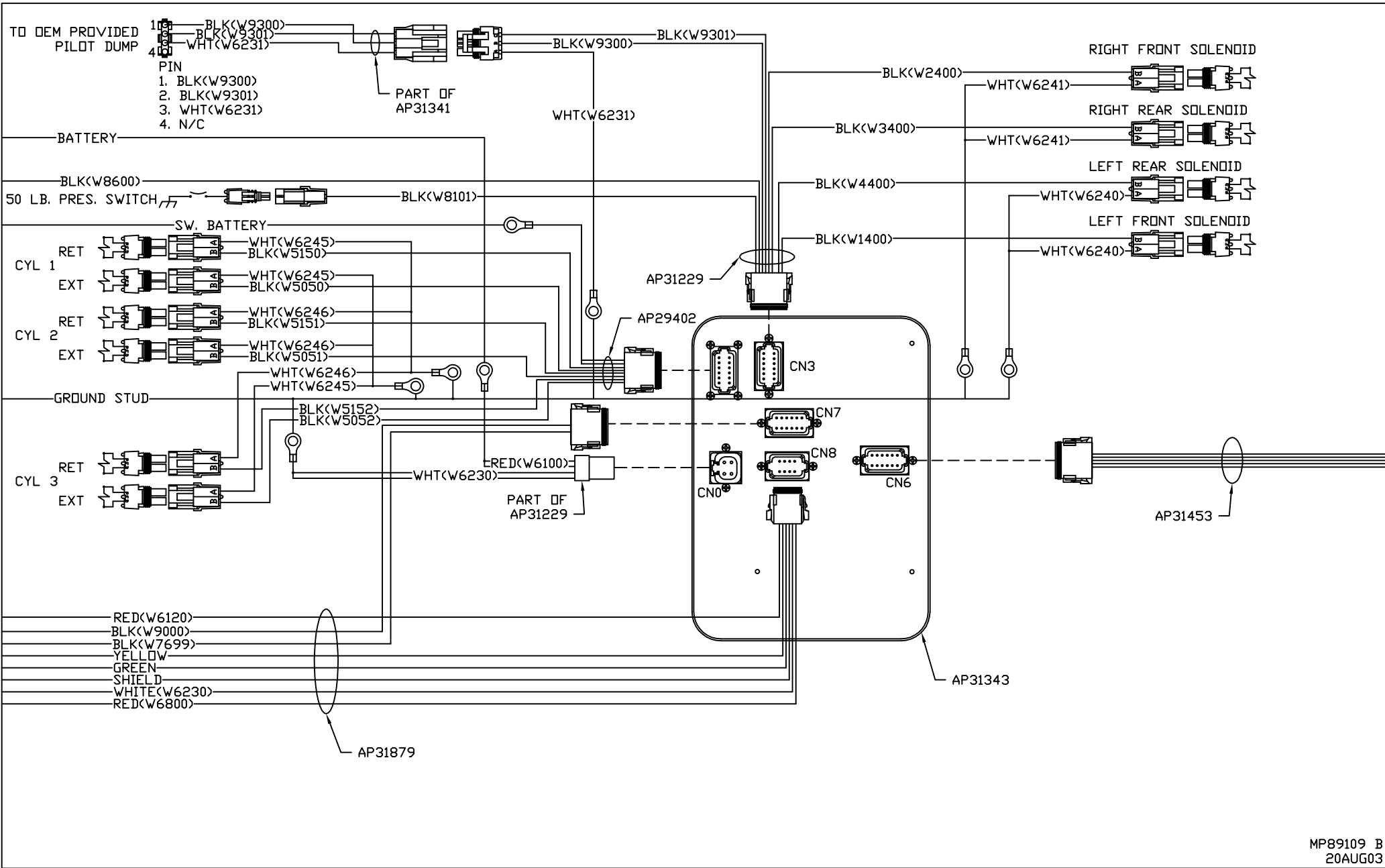
HWH I-80 EXIT 267 SOUTH
RT 1 MOSCOW, IOWA 52760

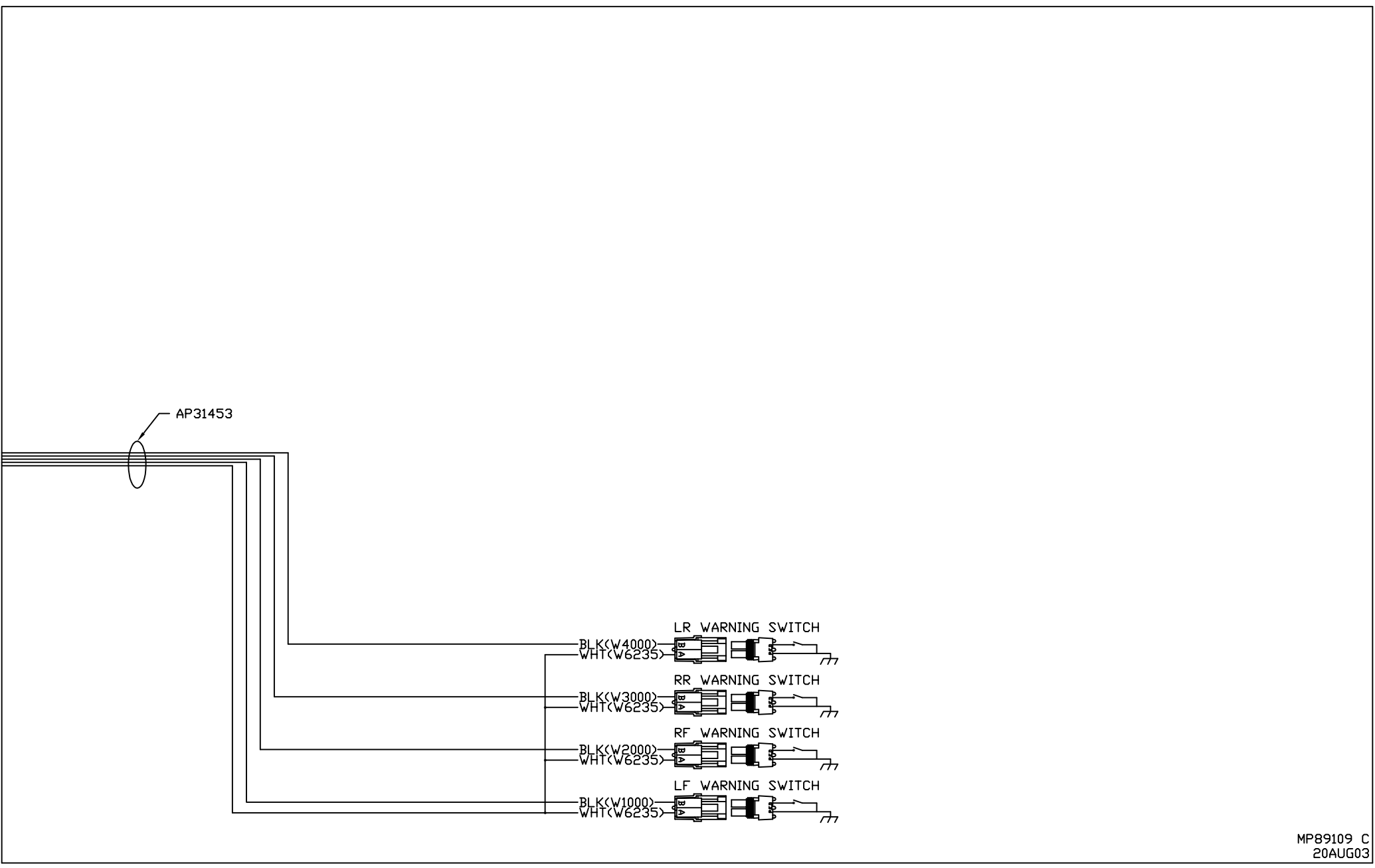
SCALE 1:3 DATE 20AUG03 DRAWN BY .

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
MP89109 A/F



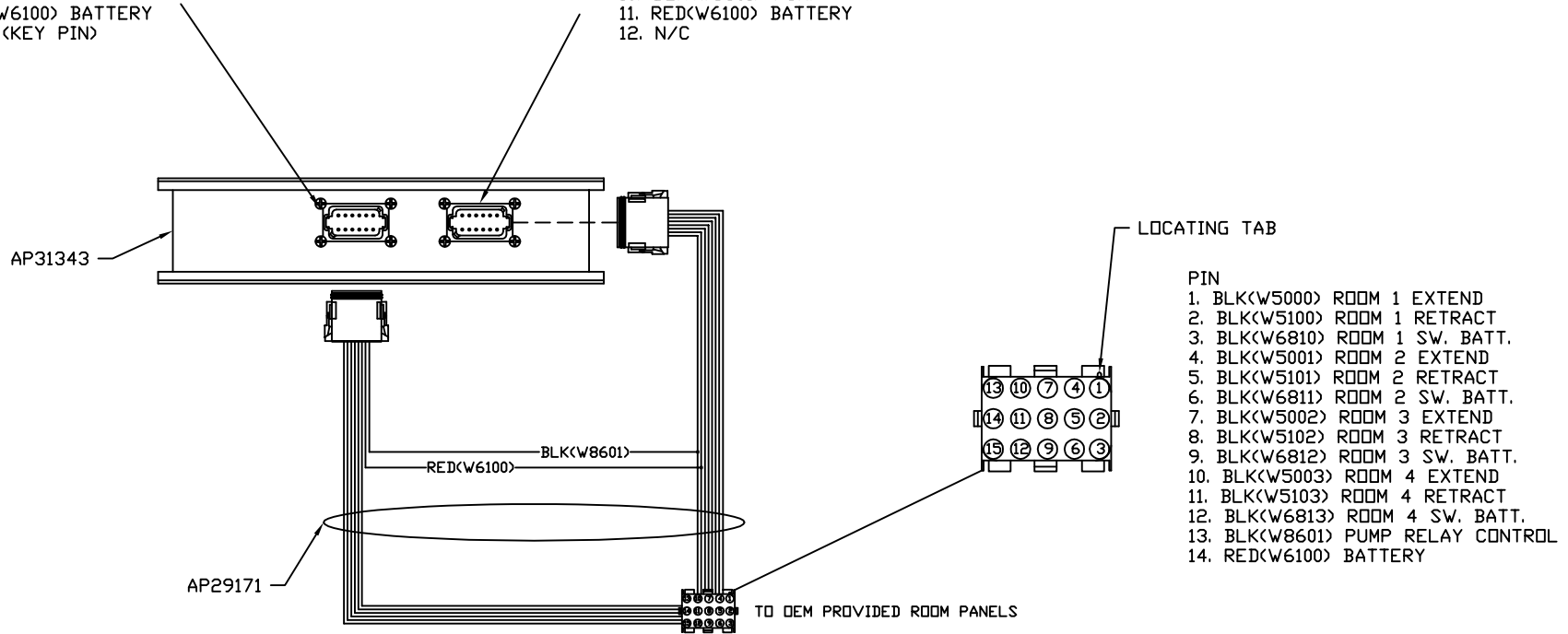


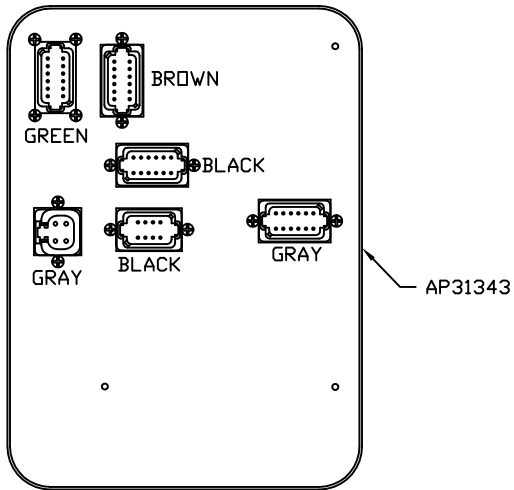
BLACK 12 PIN

1. BLK(W6810) SW. BATT ROOM 1
2. BLK(W5000) EXTEND ROOM 1
3. BLK(W5100) RETRACT ROOM 1
4. BLK(W6811) SW. BATT ROOM 2
5. BLK(W5001) EXTEND ROOM 2
6. BLK(W5101) RETRACT ROOM 2
7. N/C
8. N/C (KEY PIN)
9. N/C
10. BLK(W8601) PUMP
11. RED(W6100) BATTERY
12. N/C (KEY PIN)

BLACK 12 PIN

1. BLK(W6812) SW. BATT ROOM 3
2. BLK(W5002) EXTEND ROOM 3
3. BLK(W5102) RETRACT ROOM 3
4. BLK(W6813) SW. 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 (KEY PIN)
10. BLK(W8601) PUMP
11. RED(W6100) BATTERY
12. N/C





GREEN
PIN

- 1 BLK(W5050) CYLINDER 1 EXTEND
- 2 BLK(W5150) CYLINDER 1 RETRACT
- 3 BLK(W5051) CYLINDER 2 EXTEND
- 4 BLK(W5151) CYLINDER 2 RETRACT
- 5 BLK(W5052) CYLINDER 3 EXTEND
- 6 BLK(W5152) CYLINDER 3 RETRACT
- 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

BROWN (CN3)
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

BLACK (CN7)
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/CHIME CONTROL
- 12 N/C

GRAY (CN0)
PIN

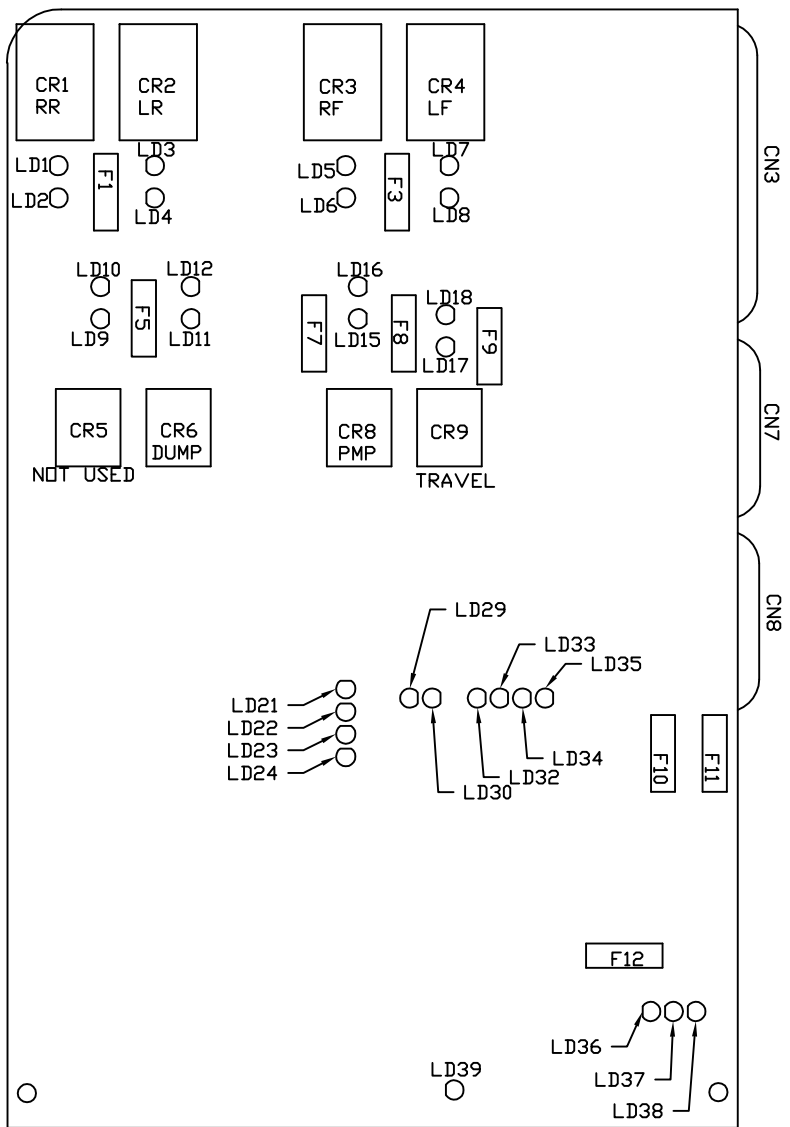
- 1 RED(W6100) BATT
- 2 RED(W6100) BATT
- 3 WHT(W6230) GROUND
- 4 WHT(W6230) GROUND

BLACK (CN8)
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

GRAY (CN6)
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	---	---
F3	15 AMP	RF OUTPUT
F4	---	---
F5	NOT USED	---
F6	---	---
F7	5 AMP	MASTER OUTPUT
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