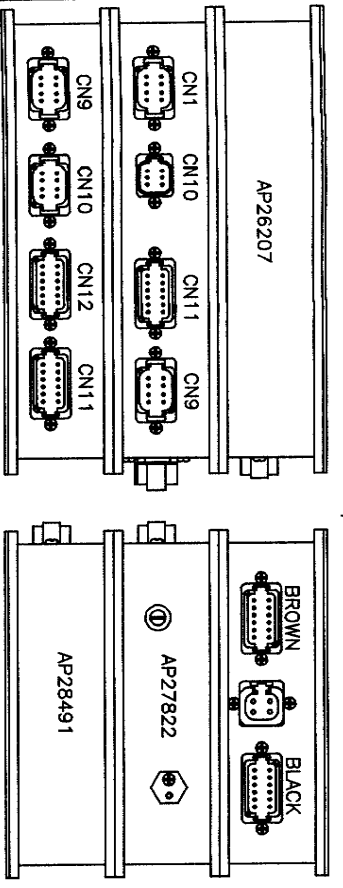


TRAIL
Weapons
1 Room

CENTRAL CONTROL ROOM 1 MODULE

AP28488



- AP27822 CN1 (BLACK)
- | PIN | DESCRIPTION |
|-----|--------------------|
| 1 | N/C |
| 2 | N/C |
| 3 | RED(W6800) SW BATT |
| 4 | WHT(W6230) GROUND |
| 5 | CAN SHIELD |
| 6 | N/C |
| 7 | GRN CAN LOW |
| 8 | YEL CAN HI |
- AP27822 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 |

- AP28491 CN9 (BLACK)
- | PIN | DESCRIPTION |
|-----|-------------|
| 1 | N/C |
| 2 | N/C |
| 3 | N/C |
| 4 | N/C |
| 5 | N/C |
| 6 | N/C |
| 7 | N/C |
| 8 | N/C |
- AP28491 CN10 (GRAY)
- | PIN | DESCRIPTION |
|-----|-----------------------------|
| 1 | N/C |
| 2 | BLK(W7510) READY TO OPERATE |
| 3 | BLK(W7530) PUMP |
| 4 | BLK(W7501) EXTEND |
| 5 | BLK(W7502) RETRACT |
| 6 | RED(W6805) SW BATTERY |
| 7 | BLK(W7631) SYSTEM WAKE UP |
| 8 | WHT(W6230) GROUND |

- AP26207 (BROWN)
- | PIN | DESCRIPTION |
|-----|---------------------------|
| 1 | BLK(W5050) EXTEND ROOM 1 |
| 2 | BLK(W5150) RETRACT ROOM 1 |
| 3 | BLK(W5200) LOCK ROOM 1 |
| 4 | BLK(W5300) UNLOCK ROOM 1 |
| 5 | N/C |
| 6 | N/C |
| 7 | N/C |
| 8 | N/C |
| 9 | BLK(W5650) VACUUM |
| 10 | BLK(W5600) AIR SEAL |
| 11 | N/C |
| 12 | N/C |
- AP27822 CN11 (GRAY)
- | PIN | DESCRIPTION |
|-----|------------------------------|
| 1 | RED(W6110) IGNITION |
| 2 | N/C |
| 3 | N/C |
| 4 | N/C |
| 5 | RED(W6120) ACCESSORY |
| 6 | RED(W6100) COACH BATTERY |
| 7 | WHT(W6230) GROUND |
| 8 | N/C |
| 9 | N/C |
| 10 | N/C |
| 11 | BLK(W9000) PARK BRAKE SWITCH |
| 12 | RED(W6101) ENGINE BATTERY |
- AP27822 CN9 (GREEN)
- | PIN | DESCRIPTION |
|-----|------------------------------------|
| 1 | BLK(W8500) MASTER RELAY CNTRL |
| 2 | BLK(W8100) 3000 LB PSW. |
| 3 | BLK(W8101) 50 LB PSW |
| 4 | BLK(W8600) PMP RELAY CNTRL |
| 5 | N/C |
| 6 | BLK(W9901) SW BATT FROM PUMP RELAY |
| 7 | N/C |
| 8 | N/C |
- AP28491 CN12 (GRAY)
- | PIN | DESCRIPTION |
|-----|-------------------------------------|
| 1 | BLK(W1000) LEFT FRONT WARNING SW. |
| 2 | BLK(W2000) RIGHT FRONT WARNING SW. |
| 3 | BLK(W3000) RIGHT REAR WARNING SW. |
| 4 | BLK(W4000) LEFT REAR WARNING SW. |
| 5 | N/C |
| 6 | WHT(W6235) GROUND |
| 7 | N/C |
| 8 | N/C |
| 9 | BLK(W4200) LEFT REAR PRESSURE SW. |
| 10 | BLK(W3200) RIGHT REAR PRESSURE SW. |
| 11 | BLK(W2200) RIGHT FRONT PRESSURE SW. |
| 12 | BLK(W1200) LEFT FRONT PRESSURE SW. |

- AP28491 CN11 (GREEN)
- | PIN | DESCRIPTION |
|-----|--------------------------------|
| 1 | BLK(W5704) UPPER FRONT UNLOCK |
| 2 | BLK(W5700) REAR ROOM OUT |
| 3 | BLK(W5703) UPPER FRONT ROOM IN |
| 4 | N/C |
| 5 | N/C |
| 6 | WHT(W6230) GROUND |
| 7 | RED(W6120) SW BATTERY |
| 8 | N/C |
| 9 | BLK(W5709) UPPER REAR LOCK |
| 10 | BLK(W5702) UPPER REAR ROOM IN |
| 11 | BLK(W5708) UPPER FRONT LOCK |
| 12 | BLK(W5705) UPPER REAR UNLOCK |

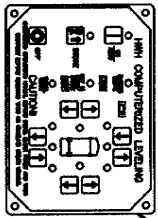
NO.	DATE	REVISION

SCALE 1:3 DATE 21MAY03 DRAWN BY .

SYSTEM SCHEMATIC ELEC

DRAWING NUMBER MP88681 A

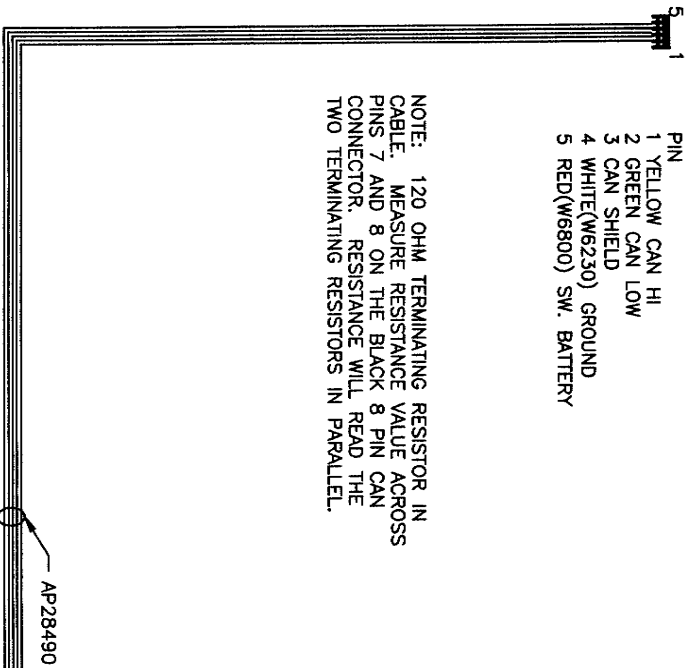
THE INFORMATION DISCLOSED ON THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE DISCLOSED OR USED IN ANY MANNER WHICH WILL BE DETRIMENTAL TO THE FHM CORPORATION



AP28489

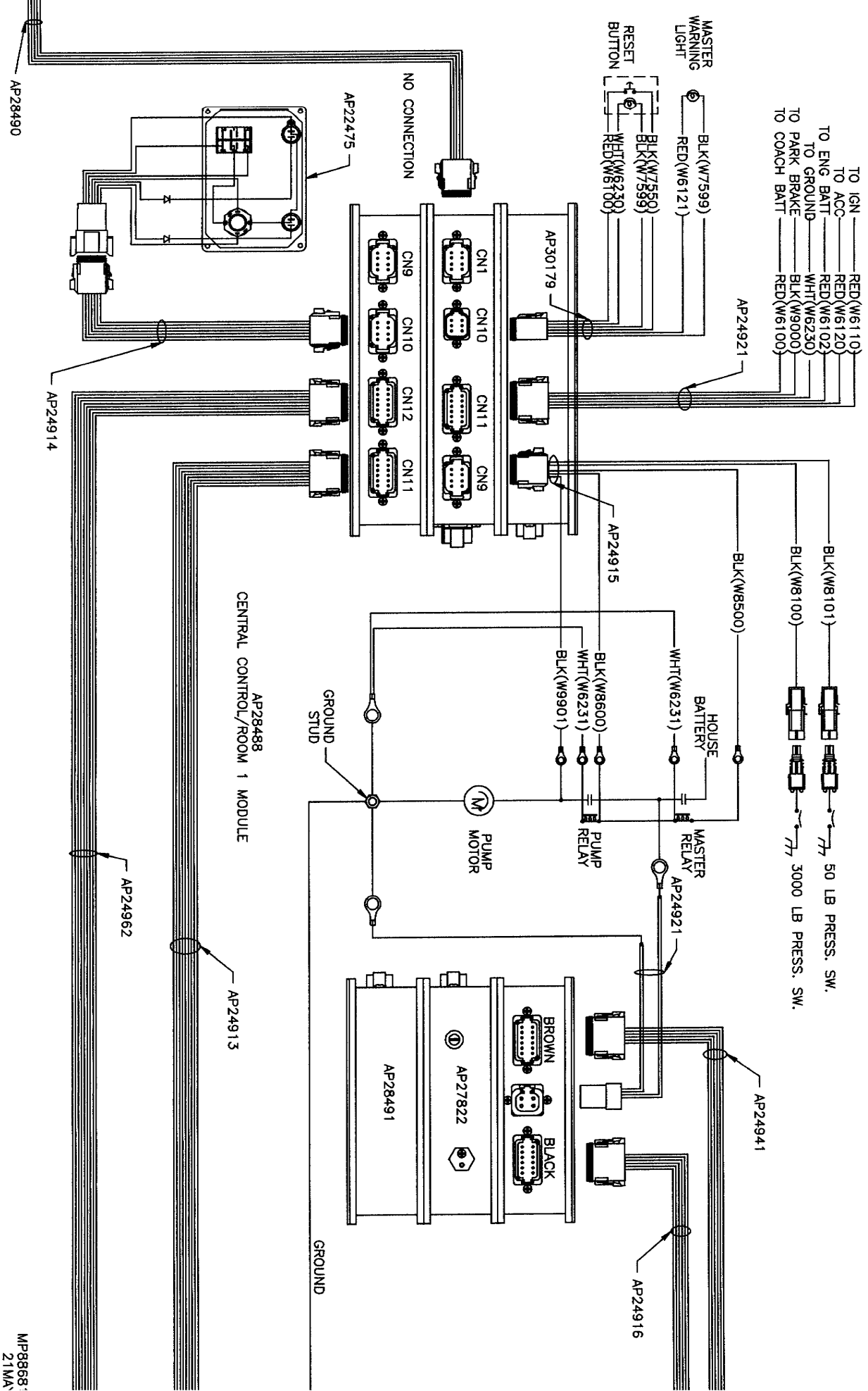
- PIN
- 1 YELLOW CAN HI
- 2 GREEN CAN LOW
- 3 CAN SHIELD
- 4 WHITE(W6230) GROUND
- 5 RED(W6800) SW. BATTERY

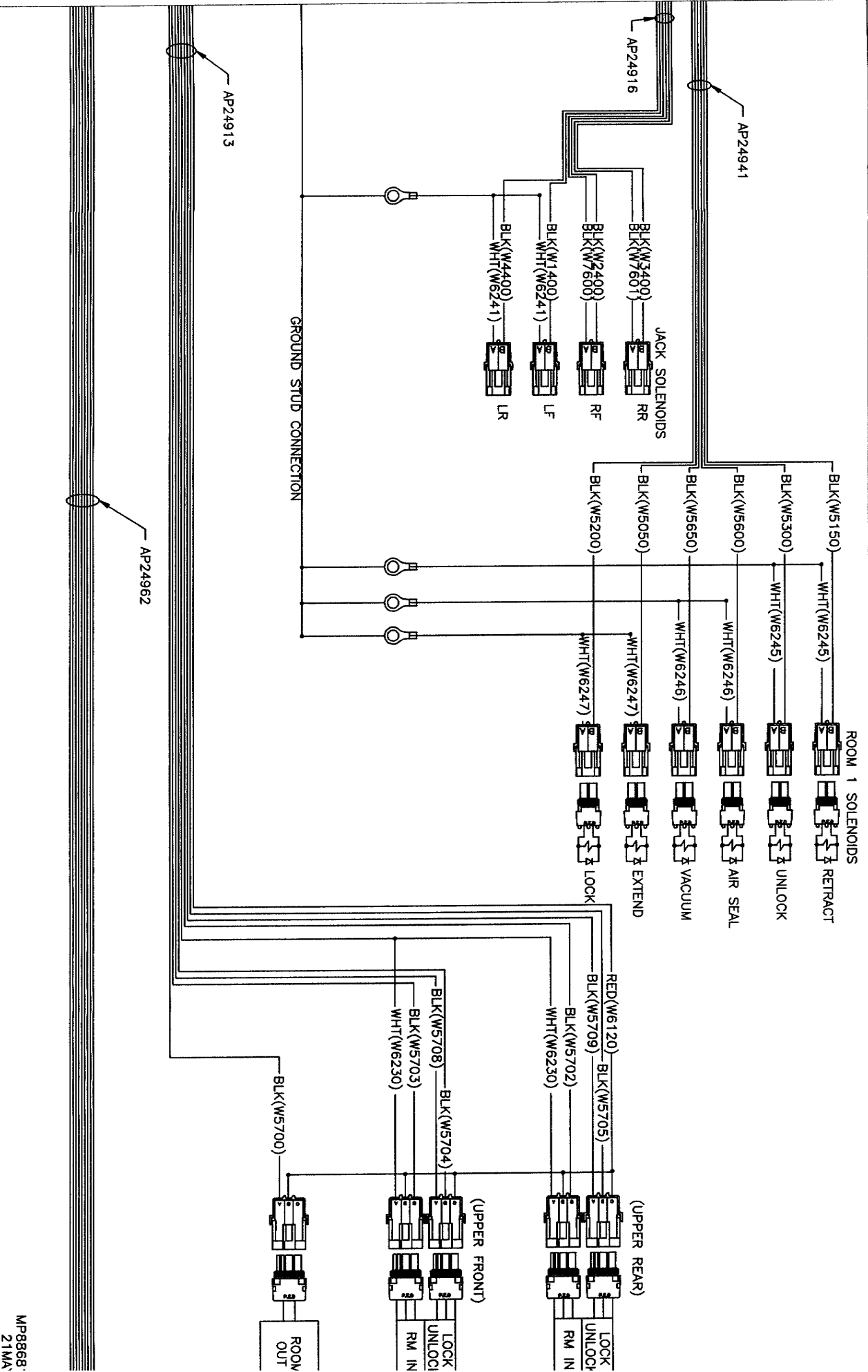
NOTE: 120 OHM TERMINATING RESISTOR IN CABLE. MEASURE RESISTANCE VALUE ACROSS PINS 7 AND 8 ON THE BLACK 8 PIN CAN CONNECTOR. RESISTANCE WILL READ THE TWO TERMINATING RESISTORS IN PARALLEL.

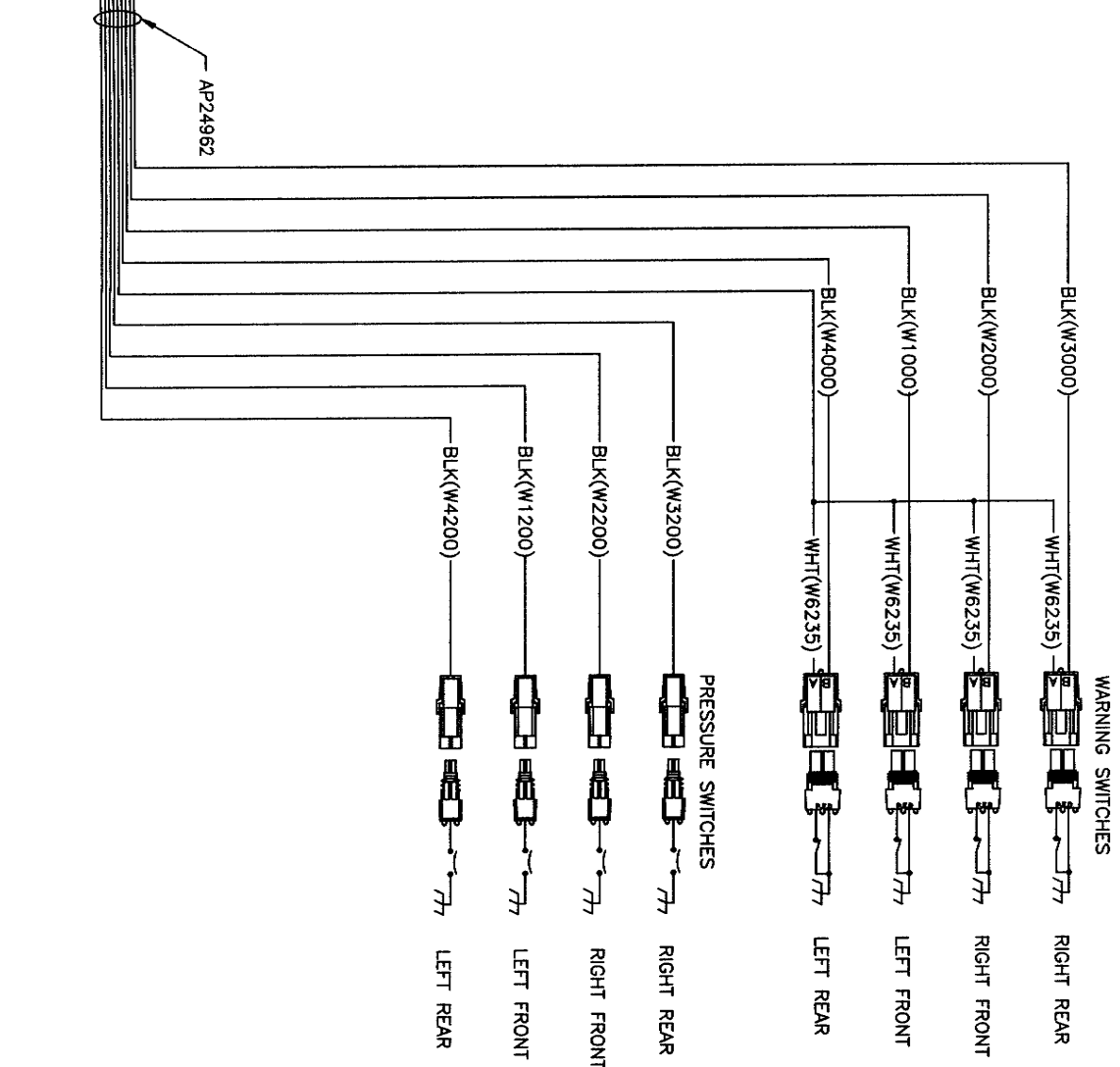


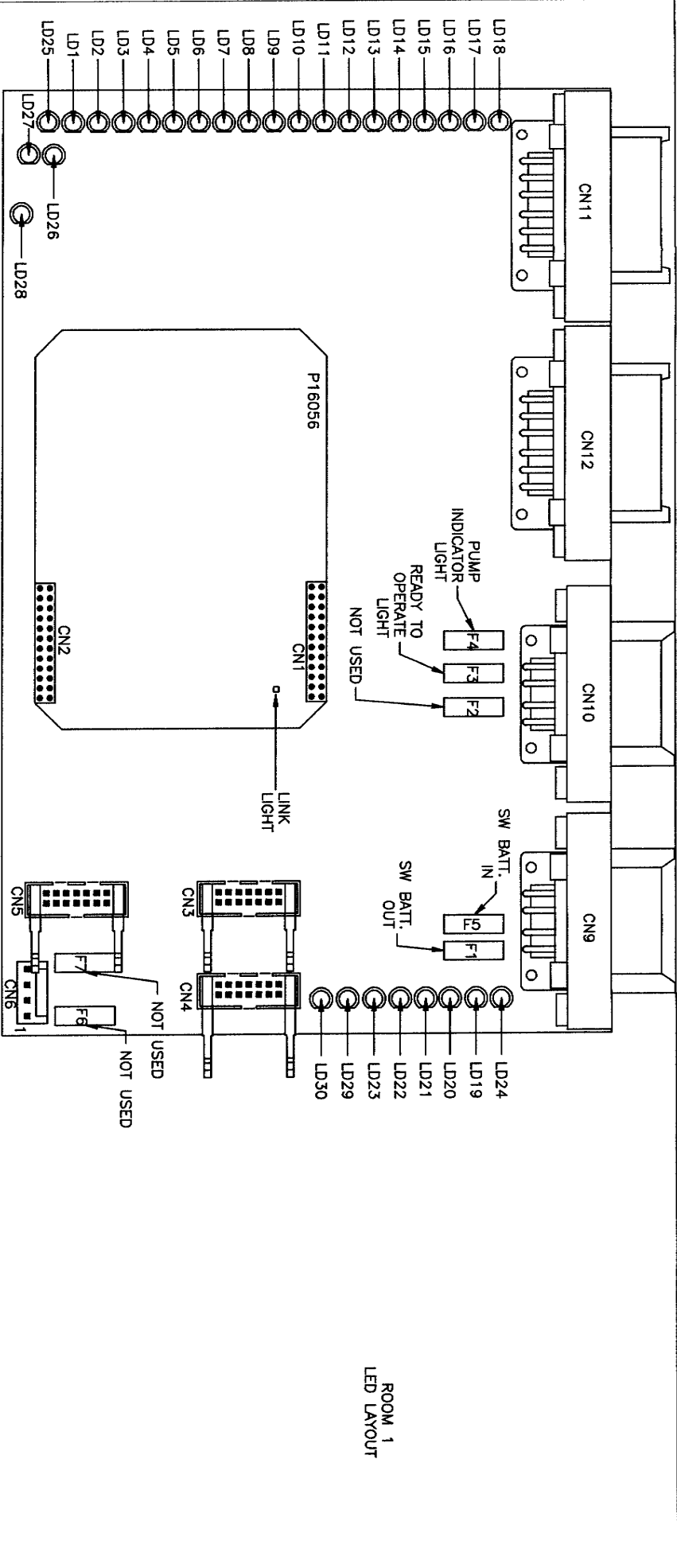
AP28490

MP8868
21MA









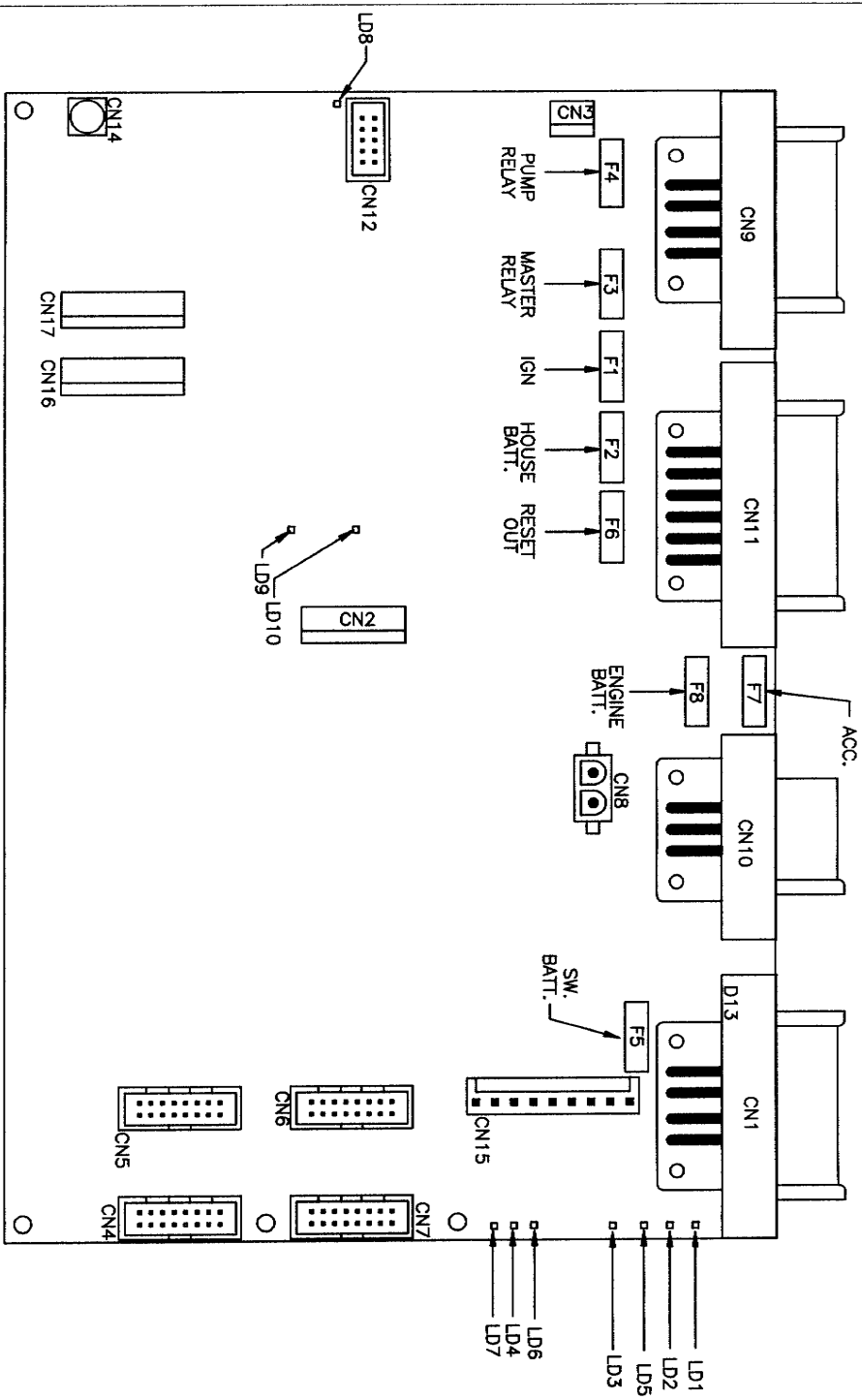
ROOM 1
LED LAYOUT

LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	CN 10 PIN 4	RED	EXTEND
LED 2	CN 10 PIN 5	RED	RETRACT
LED 3	NOT USED	GREEN	NOT USED
LED 4	NOT USED	YELLOW	NOT USED
LED 5	CN11 PIN 2	YELLOW	ROOM OUT
LED 6	CN 12 PIN 2	YELLOW	RF WARNING SW
LED 7	CN11 PIN 3	GREEN	UF ROOM IN
LED 8	CN 12 PIN 3	GREEN	RR WARNING SW
LED 9	CN 11 PIN 10	GREEN	UR ROOM IN
LED 10	CN 12 PIN 10	GREEN	RR PRESSURE SW
LED 11	CN 11 PIN 1	YELLOW	UF UNLOCK
LED 12	CN 12 PIN 1	YELLOW	LF UNLOCK SW
LED 13	CN11 PIN 12	YELLOW	UR UNLOCK
LED 14	CN 12 PIN 12	YELLOW	LF PRESSURE SW
LED 15	NOT USED	GREEN	NOT USED

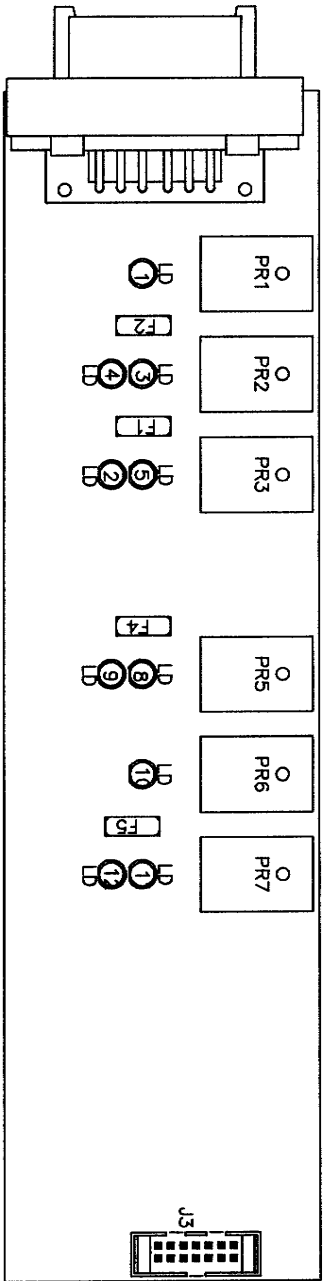
LED #	CONNECTOR	COLOR	DESCRIPTION
LED 16	CN 12 PIN 4	GREEN	LR WARNING SW
LED 17	CN 11 PIN 9	GREEN	UR LOCK
LED 18	CN 12 PIN 9	GREEN	LR PRESSURE SW
LED 19	CN11/CN12 PIN 7	RED	SW 12V (OUT)
LED 20	---	---	---
LED 21	CN10 PIN 3	RED	PUMP INDICATOR
LED 22	CN10 PIN 2	RED	READY TO OPERATE
LED 23	NOT USED	RED	NOT USED
LED 24	CN 10 PIN 7	RED	SYSTEM WAKE UP
LED 25	---	---	---
LED 26	CN11 PIN 11	GREEN	UF LOCK
LED 27	---	---	---
LED 28	CN 12 PIN 11	RED	RF PRESSURE SW
LED 29	---	---	---
LED 30	---	---	---

MP88681
21MAY

CENTRAL
CONTROL MODULE
LED LAYOUT



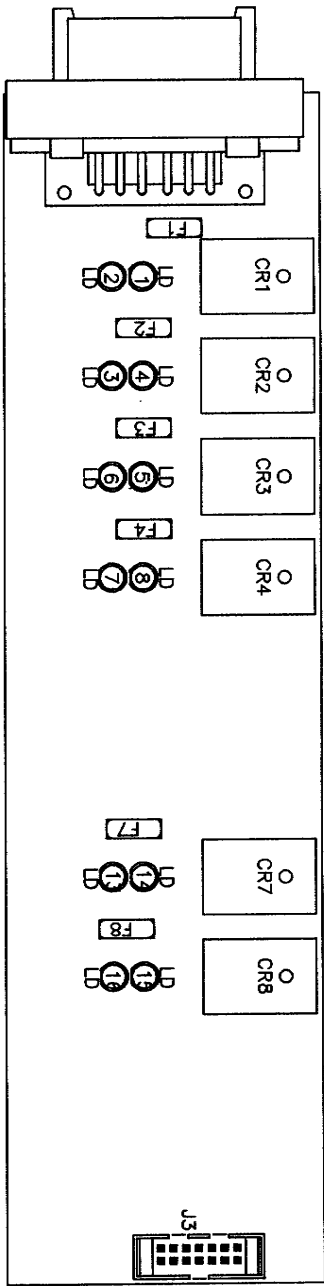
LED #	CONNECTOR	COLOR	DESCRIPTION
LED 1	CN 9 PIN 1	RED	MASTER RELAY
LED 2	CN 9 PIN 4	RED	PUMP RELAY
LED 3	CN 1 PIN 3	RED	SW 12V
LED 4	CN 11 PIN 12	RED	ENGINE BATT
LED 5	NOT USED	NOT USED	NOT USED
LED 6	CN 11 PIN 6	RED	COACH BATT
LED 7	CN 1 PIN 7 & 8	RED	LINK LIGHT
LED 8	NOT USED	NOT USED	NOT USED
LED 9	CN9 PINS	RED	50 LBS. PSW
LED 10	CN9 PIN 2	RED	3000 LBS. PSW



LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	PIN 1	PR1	CRX1 (COIL)
LED2	RED	PIN 11	FUSE 1	PIN 3	PR3	RF JACK (CONTACT)
LED3	YELLOW	PIN 12	---	---	PR2	LF JACK (COIL)
LED4	RED	---	FUSE 2	PIN 2	PR2	LF JACK (CONTACT)
LED5	YELLOW	PIN 11	---	---	PR3	RF JACK (COIL)
LED6	---	---	---	---	---	---
LED7	---	---	---	---	---	---
LED8	YELLOW	PIN 9	---	---	PR5	RR JACK (COIL)
LED9	RED	---	FUSE 4	PIN 5	PR5	RR JACK (CONTACT)
LED10	YELLOW	PIN 8	---	PIN 6	PR6	GRX2 (COIL)
LED11	YELLOW	PIN 7	---	---	PR7	LR JACK (COIL)
LED12	RED	---	F5	PIN 7	PR7	LR JACK (CONTACT)
LED13	---	---	---	---	---	---
LED14	---	---	---	---	---	---
LED15	---	---	---	---	---	---
LED16	---	---	---	---	---	---
LED17	---	---	---	---	---	---
LED18	---	---	---	---	---	---

LEVELING
LED LAYOUT

MP88681
20DECO



LED #	COLOR	INPUT J3	FUSE #	OUTPUT	RELAY #	DESCRIPTION
LED1	YELLOW	PIN 13	---	---	CR1	EXTEND RM 1 (COIL)
LED2	RED	---	FUSE 1	PIN 1	CR1	EXTEND RM 1 (CONTACT)
LED3	RED	---	FUSE 2	PIN 2	CR2	RETRACT RM 1 (CONTACT)
LED4	YELLOW	PIN 12	---	---	CR2	RETRACT RM 1 (COIL)
LED5	YELLOW	PIN 11	---	---	CR3	LOCK RM 1 (COIL)
LED6	RED	---	FUSE 3	PIN 3	CR3	LOCK RM 1 (CONTACT)
LED7	RED	---	FUSE 4	PIN 4	CR4	UNLOCK RM 1 (CONTACT)
LED8	YELLOW	PIN 10	---	---	CR4	UNLOCK RM 1 (COIL)
LED9	---	---	---	---	---	---
LED10	---	---	---	---	---	---
LED11	---	---	---	---	---	---
LED12	---	---	---	---	---	---
LED13	RED	---	FUSE 7	PIN 10	CR7	AIR SEAL (CONTACT)
LED14	YELLOW	PIN 7	---	---	CR7	AIR SEAL (COIL)
LED15	YELLOW	PIN 6	---	---	CR8	VACUUM (COIL)
LED16	RED	---	FUSE8	PIN 9	CR8	VACUUM (CONTACT)
LED17	---	---	---	---	---	---
LED18	---	---	---	---	---	---
LED19	---	---	---	---	---	---
LED20	---	---	---	---	---	---

ROOM 1
LED LAYOUT

MP88681
20DEC