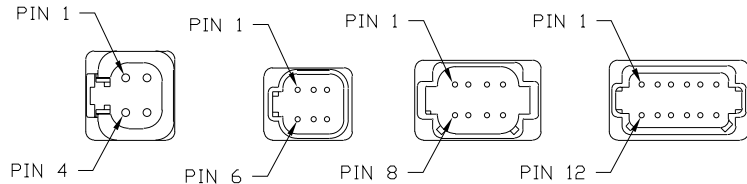
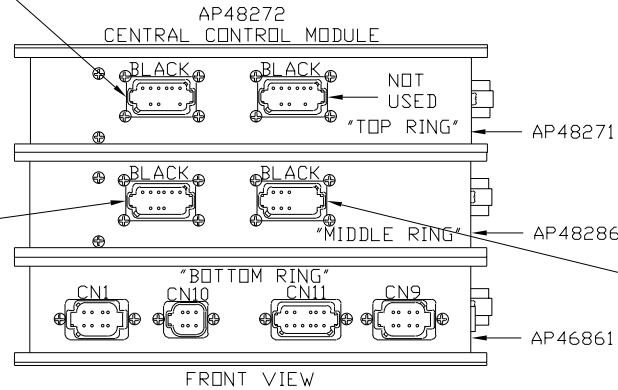


- AP48271 (BLACK)
PIN
1. BLK(W6813) SW. BATT FUNCTION 4
 2. BLK(W5003) EXTEND FUNCTION 4
 3. BLK(W5103) RETRACT FUNCTION 4
 4. BLK(W6814) SW. BATT FUNCTION 5
 5. BLK(W5004) EXTEND FUNCTION 5
 6. BLK(W5104) RETRACT FUNCTION 5
 7. N/C
 8. N/C
 9. N/C (KEY PIN)
 10. BLK(W8603) PUMP
 11. RED(W6102) BATTERY
 12. N/C (KEY PIN)

- AP48286 (BLACK)
PIN
1. BLK(W6810) SW. BATT FUNCTION 1
 2. BLK(W5000) EXTEND FUNCTION 1
 3. BLK(W5100) RETRACT FUNCTION 1
 4. BLK(W6811) SW. BATT FUNCTION 2
 5. BLK(W5001) EXTEND FUNCTION 2
 6. BLK(W5101) RETRACT FUNCTION 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)

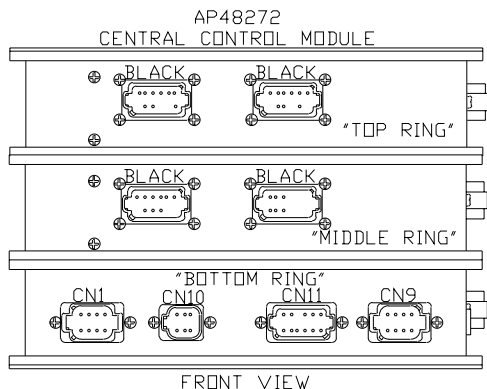
- AP48286 (BLACK)
PIN
1. BLK(W6812) SW. BATT FUNCTION 3
 2. BLK(W5002) EXTEND FUNCTION 3
 3. BLK(W5102) RETRACT FUNCTION 3
 4. N/C
 5. N/C
 6. N/C
 7. N/C
 8. N/C (KEY PIN)
 9. N/C (KEY PIN)
 10. BLK(W8602) PUMP
 11. RED(W6101) BATTERY
 12. N/C



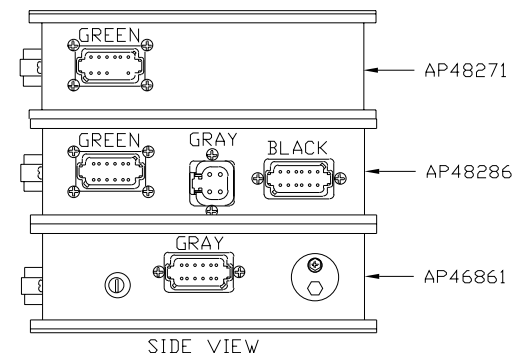
NOTE: DEUTSCH PIN NUMBERS TYPICAL UNLESS OTHERWISE NOTED
NOTE: WIRE NUMBERS ON THIS SHEET ARE REFERENCED TO HARNESS PLUGS.

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

| | | | | | |
|--|------|-----------|--------------|--|--|
| | | HWH | | I-80 EXIT 267 SOUTH RT 1 MOSCOW, IOWA 52760 | |
| | | SCALE 1:3 | DATE 17MAY12 | DRAWN BY . | |
| SYSTEM SCHEMATIC ELEC | | | | | |
| 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 | | | | DRAWING NUMBER MP90775 A/1 | |



- AP48271 (GREEN)
PIN
1. BLK(W5154) CYLINDER RET. FUNCTION 5
 2. BLK(W5054) CYLINDER EXT. FUNCTION 5
 3. N/C
 4. N/C
 5. N/C
 6. N/C
 7. N/C (KEY PIN)
 8. N/C (KEY PIN)
 9. N/C
 10. N/C
 11. N/C
 12. BLK(W6810) SW. BATTERY



- AP46861 (GRAY)
PIN
1. BLK(W1000) LEFT FRONT WARN. SW.
 2. BLK(W2000) RIGHT FRONT WARN. SW.
 3. BLK(W3000) RIGHT REAR WARN. SW.
 4. BLK(W4000) LEFT REAR WARN. SW.
 5. N/C
 6. WHT(W6235) GROUND
 7. N/C
 8. BLK(W2200) RIGHT FRONT PRESS. SW.
 9. BLK(W4200) LEFT REAR PRESS. SW.
 10. BLK(W3200) RIGHT REAR PRESS. SW.
 11. N/C
 12. BLK(W1200) LEFT FRONT PRESS. SW.

- AP48286 (GREEN)
PIN
1. BLK(W5150) CYLINDER RET. FUNCTION 1
 2. BLK(W5050) CYLINDER EXT. FUNCTION 1
 3. BLK(W5151) CYLINDER RET. FUNCTION 2
 4. BLK(W5051) CYLINDER EXT. FUNCTION 2
 5. BLK(W5152) CYLINDER RET. FUNCTION 3
 6. BLK(W5052) CYLINDER EXT. FUNCTION 3
 7. BLK(W5153) CYLINDER RET. FUNCTION 4
 8. BLK(W5053) CYLINDER EXT. FUNCTION 4
 9. BLK(W6810) SW. BATTERY
 10. BLK(W6810) SW. BATTERY
 11. BLK(W6811) SW. BATTERY
 12. BLK(W6811) SW. BATTERY

- AP48286 (GRAY)
PIN
1. BLK(W6800) SWITCHED BATT
 2. BLK(W6800) SWITCHED BATT
 3. WHT(W6230) GROUND
 4. WHT(W6230) GROUND

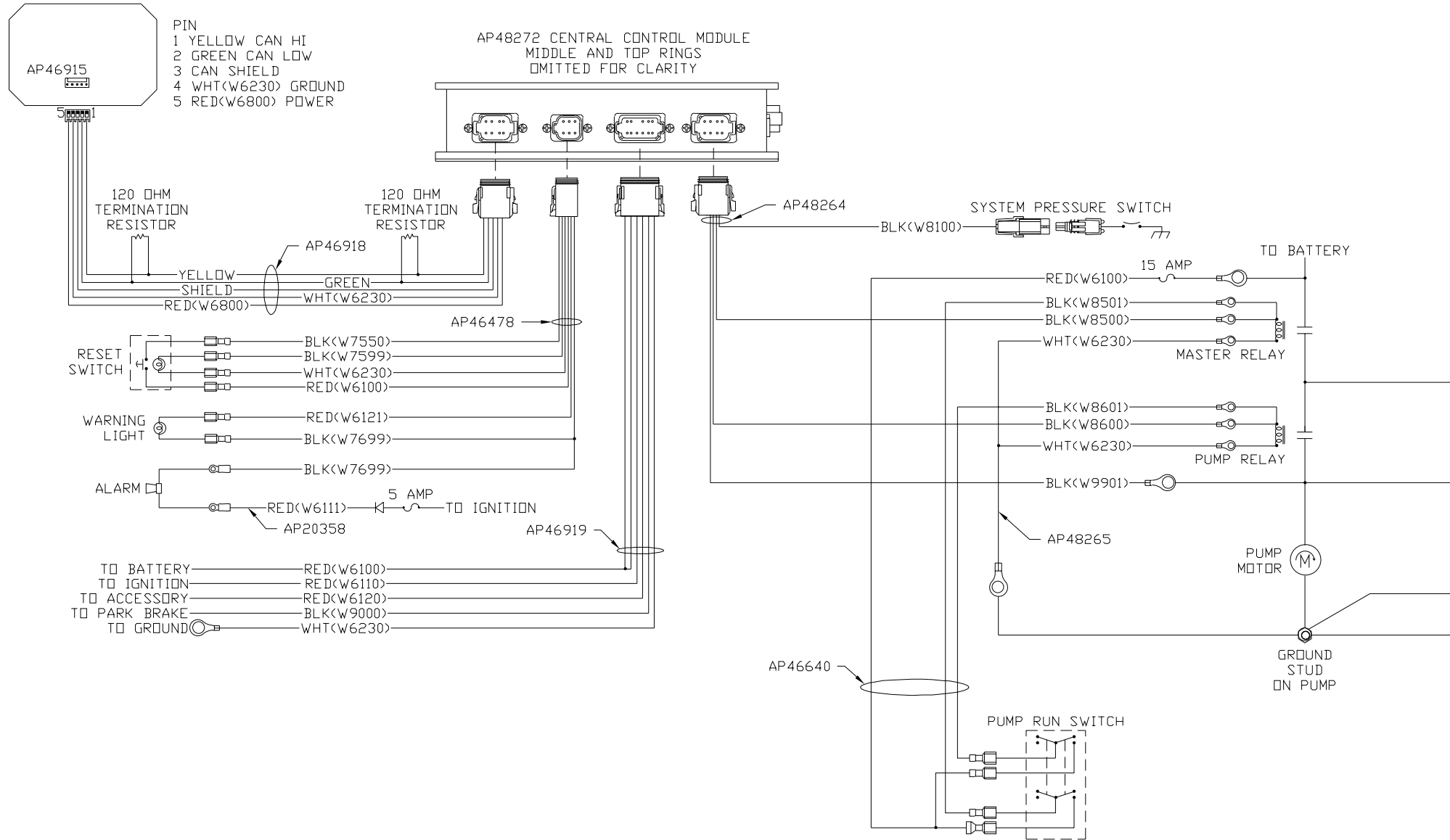
- AP48286 (BLACK)
PIN
1. BLK(W1400) LEFT FRONT JACK EXTEND
 2. BLK(W1500) LEFT FRONT JACK RETRACT
 3. BLK(W2400) RIGHT FRONT JACK EXTEND
 4. BLK(W2500) RIGHT FRONT JACK RETRACT
 5. BLK(W4400) LEFT REAR JACK EXTEND
 6. BLK(W4500) LEFT REAR JACK RETRACT
 7. BLK(W3400) RIGHT REAR JACK EXTEND
 8. BLK(W3500) RIGHT REAR JACK RETRACT
 9. N/C
 10. N/C
 11. N/C
 12. N/C

- AP46861 CNI (BLACK)
PIN
1. N/C
 2. N/C
 3. RED(W6800) SW. POWER
 4. WHT(W6230) GROUND
 5. CAN SHIELD
 6. N/C
 7. GREEN CAN LOW
 8. YELLOW CAN HI

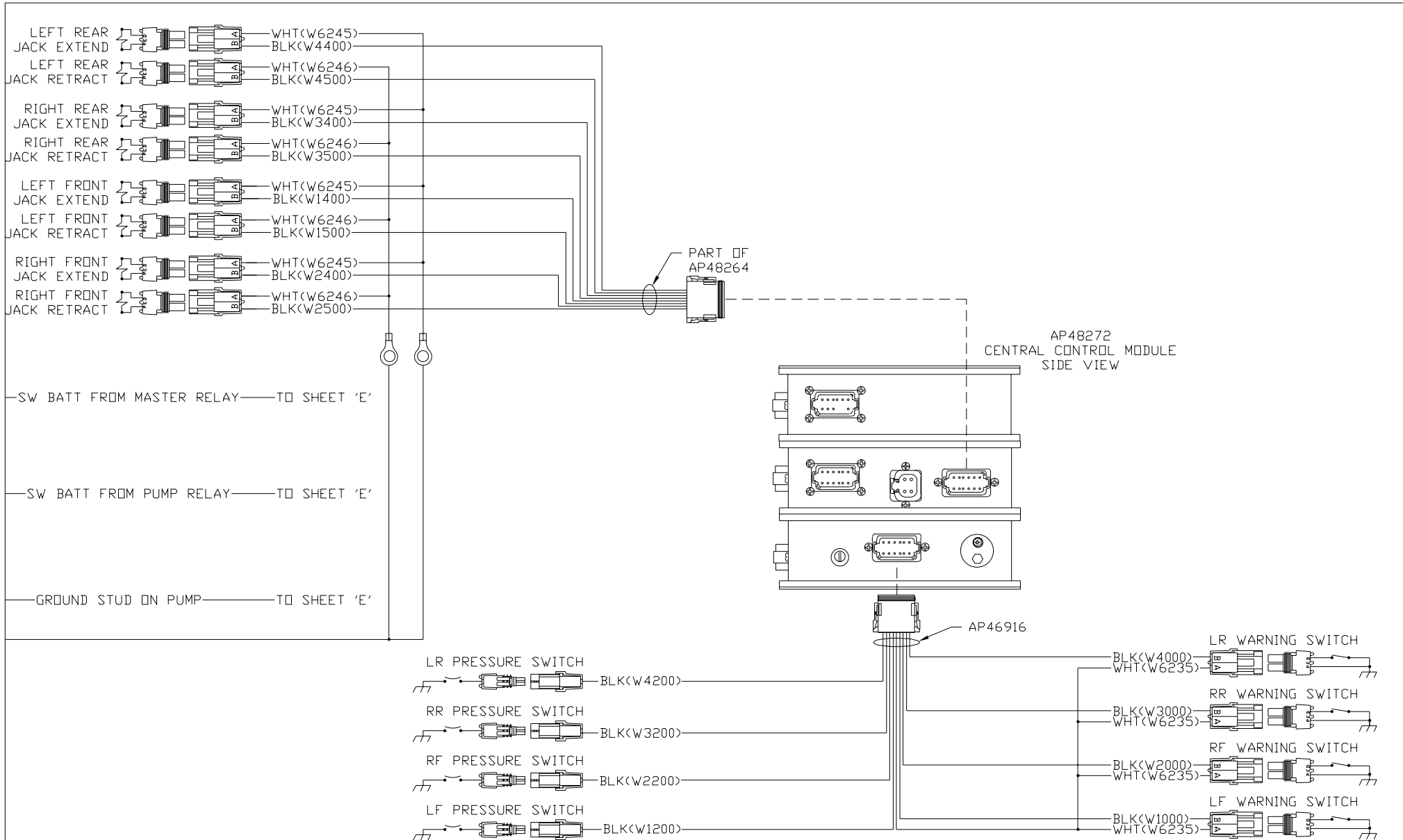
- AP46861 CN10 (GRAY)
PIN
1. BLK(W7599) SWITCH LIGHT CONTROL
 2. RED(W6100) RESET OUT
 3. BLK(W7550) RESET IN
 4. RED(W6121) WARN LIGHT SUPPLY
 5. WHT(W6230) SWITCH LIGHT SUPPLY
 6. BLK(W7699) WARN LIGHT/ALARM CONTROL

- AP46861 CN11 (GRAY)
PIN
1. RED(W6110) IGNITION
 2. N/C
 3. N/C
 4. N/C
 5. RED(W6120) ACCESSORY
 6. RED(W6100) BATTERY
 7. WHT(W6230) GROUND
 8. N/C
 9. N/C
 10. N/C
 11. BLK(W9000) PARK BRAKE SWITCH
 12. RED(W6100) BATTERY

- AP46861 CN9 (GREEN)
PIN
1. BLK(W8500) MASTER RELAY CONTROL
 2. BLK(W8100) SYSTEM PRESS. SWITCH
 3. N/C
 4. BLK(W8600) PUMP RELAY CONTROL
 5. N/C
 6. BLK(W9901) PUMP MONITOR
 7. N/C
 8. N/C



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SW BATT FROM PUMP RELAY (TO SHEET D) BLK(W6810)

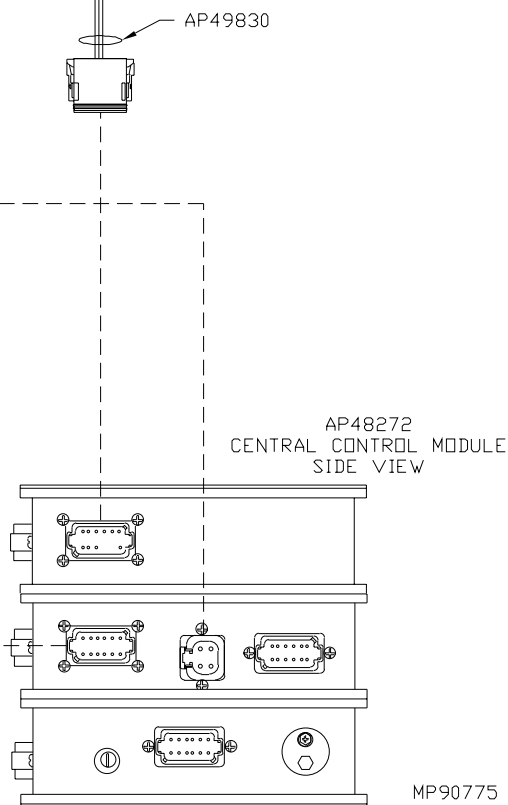
CYLINDER 5 EXTEND WHT(W6245)
CYLINDER 5 RETRACT WHT(W6245)
BLK(W5054)
BLK(W5154)

TO GROUND STUD ON PUMP (TO SHEET D) WHT AP48288
BOTTOM GROUND STUD ON PAN WHT AP48287
MIDDLE GROUND STUD ON PAN WHT AP48287
TOP GROUND STUD ON PAN WHT AP48287

SW BATT FROM MASTER RELAY (TO SHEET D) WHT(W6230)
BLK(W6800)
PART OF AP48264

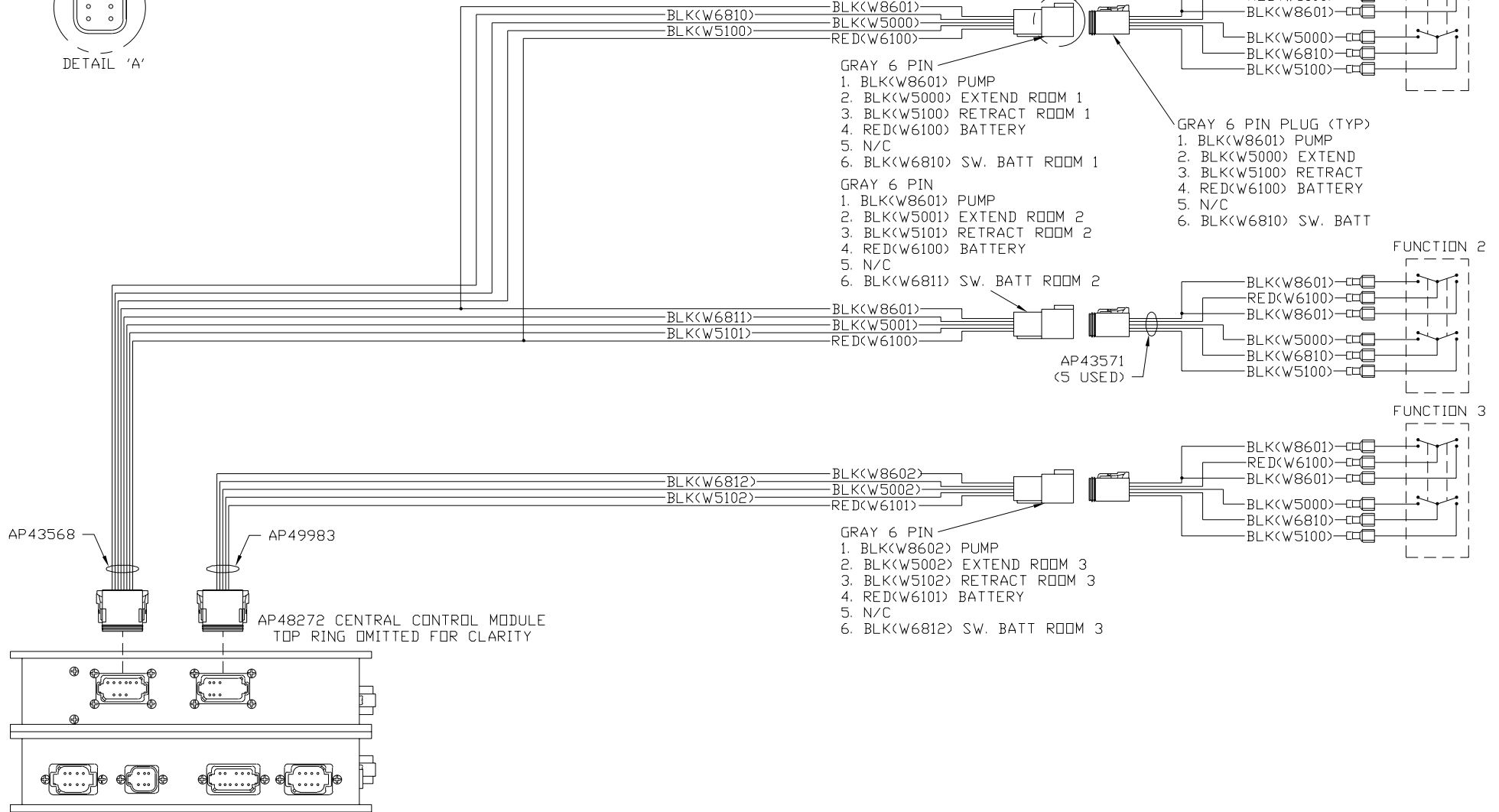
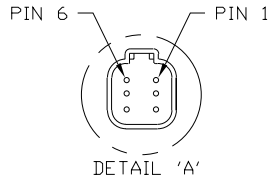
CYLINDER 1 EXTEND WHT(W6245)
CYLINDER 1 RETRACT WHT(W6246)
CYLINDER 2 EXTEND WHT(W6245)
CYLINDER 2 RETRACT WHT(W6246)
CYLINDER 3 EXTEND WHT(W6245)
CYLINDER 3 RETRACT WHT(W6246)
CYLINDER 4 EXTEND WHT(W6245)
CYLINDER 4 RETRACT WHT(W6246)

SW BATT FROM PUMP RELAY (TO SHEET D) BLK(W6810)

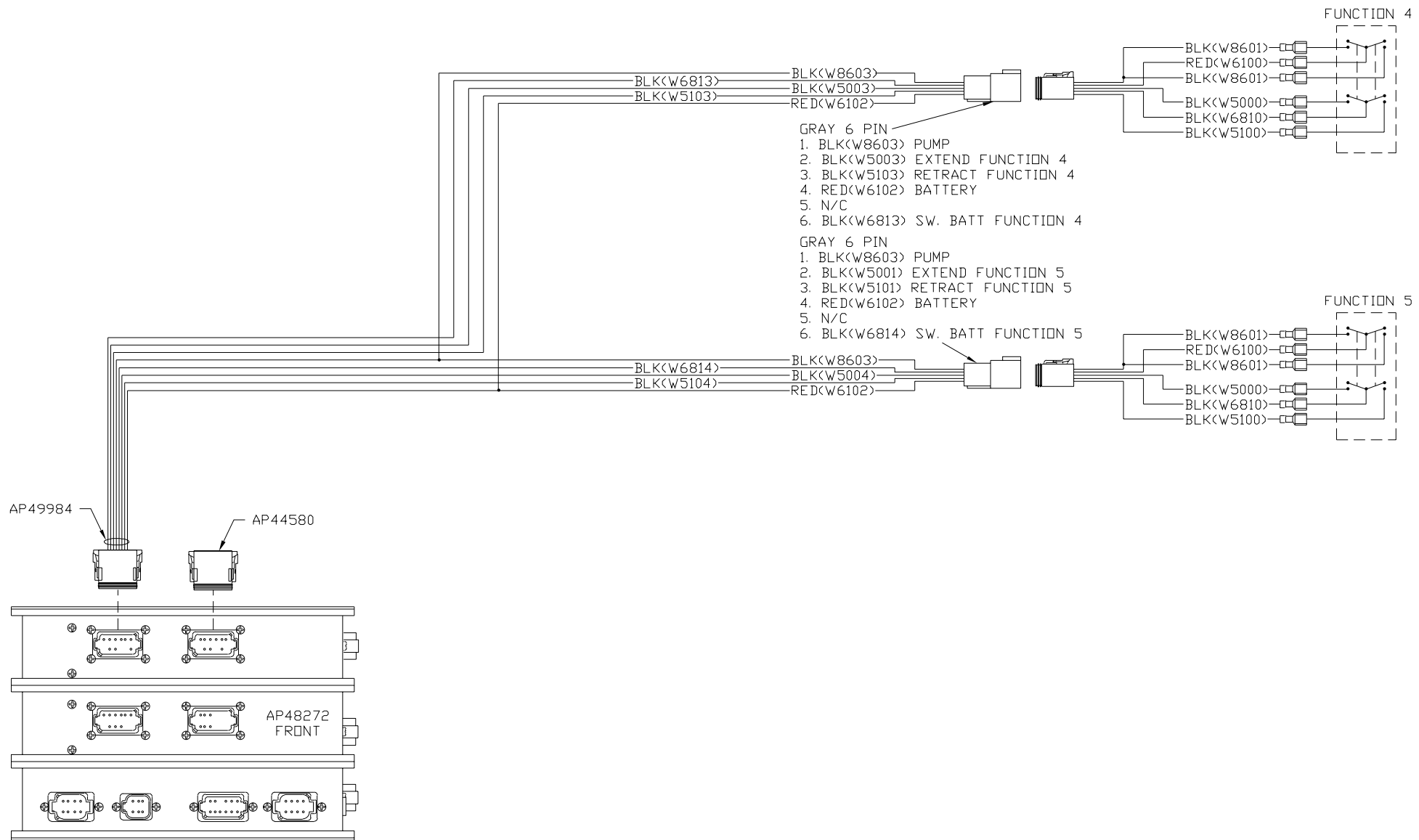


NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.

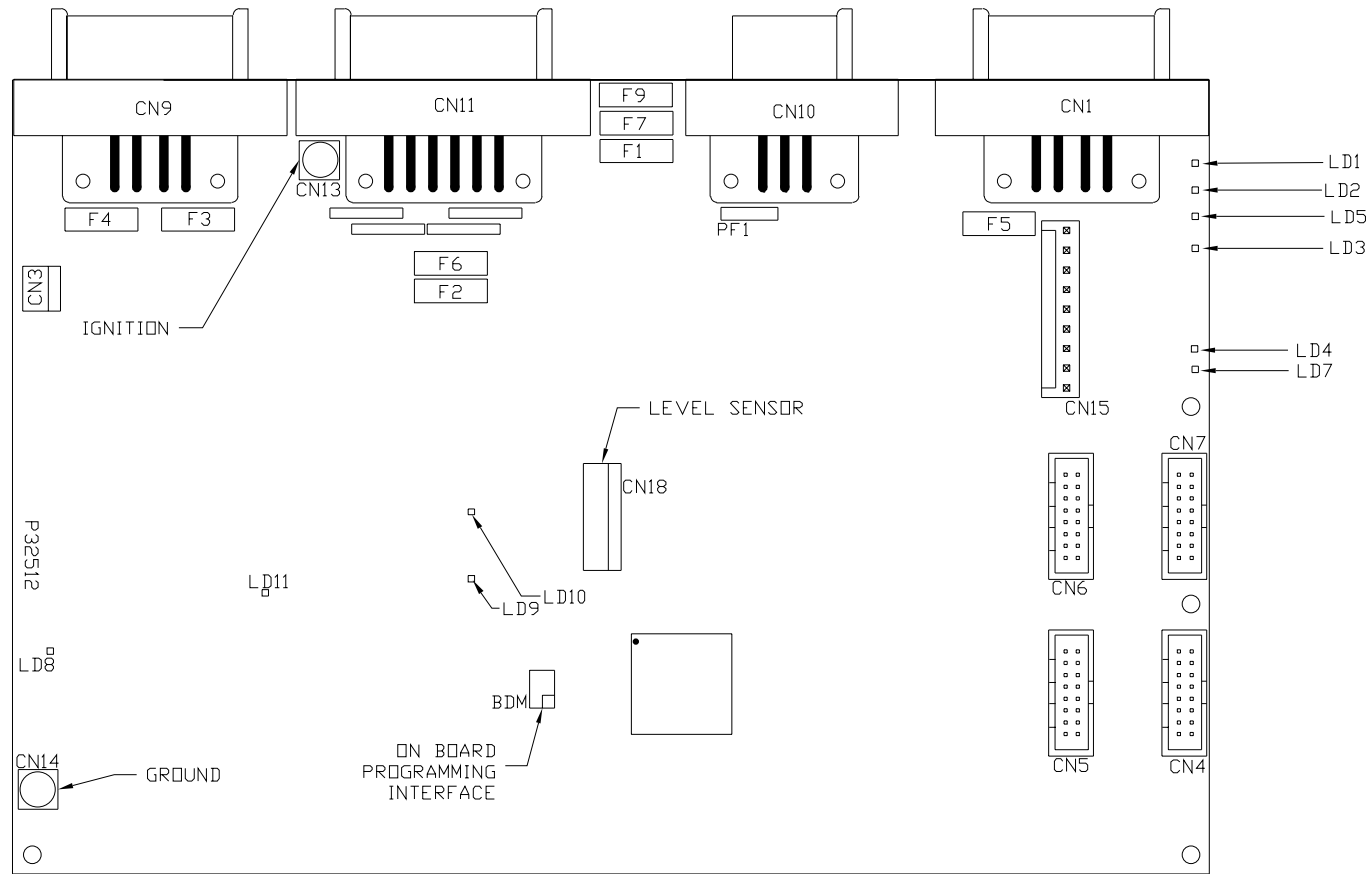
MP90775 E
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NOTE: INSTALLATION MUST CONFORM TO GOOD SHOP PRACTICES, SAE STANDARDS, RVIA STANDARDS, AND OTHER APPLICABLE STANDARDS.



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

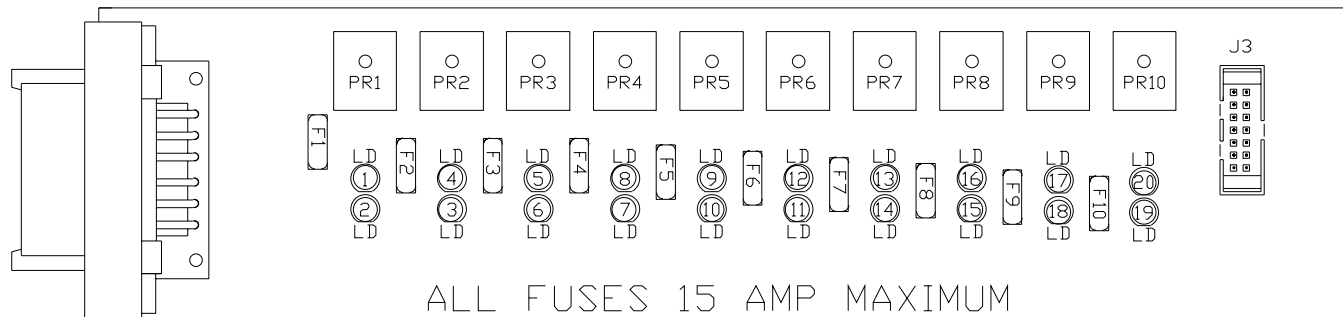


CENTRAL CONTROL MODULE LED LAYOUT

| 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 | BATTERY |
| LED 5 | NOT USED | RED | NOT USED |
| 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 | CN 9 PIN 2 | RED | SYSTEM PSW |
| LED 11 | CN 11 PIN 11 | RED | PARK BRAKE |

| FUSE # | DESCRIPTION |
|--------------|-------------------------|
| PF1 | RESET OUT |
| F7 (3 AMP) | ACCESSORY |
| F1 (7.5 AMP) | IGNITION |
| F2 (15 AMP) | BATTERY |
| F3 (5 AMP) | MASTER RELAY |
| F4 (5 AMP) | PUMP RELAY |
| F5 (15 AMP) | SW. BATT TO CAN MODULES |
| F6 (3 AMP) | BATTERY |
| F9 (3 AMP) | POWER TO CN100 |

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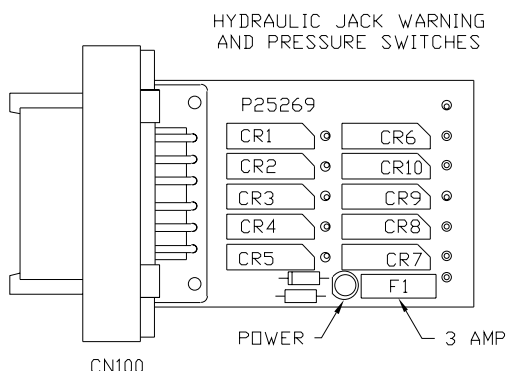


ALL FUSES 15 AMP MAXIMUM

OUTPUTS
LED LAYOUT

| LED # | COLOR | FUSE # | OUTPUT | RELAY # | DESCRIPTION |
|-------|--------|--------|--------|---------|-------------------------------|
| LED1 | YELLOW | --- | --- | PR1 | LEFT FRONT EXTEND (COIL) |
| LED2 | RED | FUSE 1 | PIN 1 | PR1 | LEFT FRONT EXTEND (CONTACT) |
| LED3 | RED | FUSE 2 | PIN 2 | PR2 | LEFT FRONT RETRACT (CONTACT) |
| LED4 | YELLOW | --- | --- | PR2 | LEFT FRONT RETRACT (COIL) |
| LED5 | YELLOW | --- | --- | PR3 | RIGHT FRONT EXTEND (COIL) |
| LED6 | RED | FUSE 3 | PIN 3 | PR3 | RIGHT FRONT EXTEND (CONTACT) |
| LED7 | RED | FUSE 4 | PIN 4 | PR4 | RIGHT FRONT RETRACT (CONTACT) |
| LED8 | YELLOW | --- | --- | PR4 | RIGHT FRONT RETRACT (COIL) |
| LED9 | YELLOW | --- | --- | PR5 | LEFT REAR EXTEND (COIL) |
| LED10 | RED | FUSE 5 | PIN 5 | PR5 | LEFT REAR EXTEND (CONTACT) |

| LED # | COLOR | FUSE # | OUTPUT | RELAY # | DESCRIPTION |
|-------|--------|---------|--------|---------|------------------------------|
| LED11 | RED | FUSE 6 | PIN 6 | PR6 | LEFT REAR RETRACT (CONTACT) |
| LED12 | YELLOW | --- | --- | PR6 | LEFT REAR RETRACT (COIL) |
| LED13 | YELLOW | --- | --- | PR7 | RIGHT REAR EXTEND (COIL) |
| LED14 | RED | FUSE 7 | PIN 7 | PR7 | RIGHT REAR EXTEND (CONTACT) |
| LED15 | RED | FUSE 8 | PIN 8 | PR8 | RIGHT REAR RETRACT (CONTACT) |
| LED16 | YELLOW | --- | --- | PR8 | RIGHT REAR RETRACT (COIL) |
| LED17 | YELLOW | --- | --- | PR9 | NOT USED |
| LED18 | RED | FUSE 9 | PIN 9 | PR9 | NOT USED |
| LED19 | RED | FUSE 10 | PIN 10 | PR10 | NOT USED |
| LED20 | YELLOW | --- | --- | PR10 | NOT USED |



| CONNECTOR | REED SWITCH | DESCRIPTION |
|---------------|-------------|------------------------|
| CN 100 PIN 1 | CR1 | LEFT FRONT WARN. SW. |
| CN 100 PIN 2 | CR2 | RIGHT FRONT WARN. SW. |
| CN 100 PIN 3 | CR3 | RIGHT REAR WARN. SW. |
| CN 100 PIN 4 | CR4 | LEFT REAR WARN. SW. |
| CN 100 PIN 5 | CR5 | NOT USED |
| CN 100 PIN 6 | --- | GROUND |
| CN 100 PIN 7 | --- | NOT USED |
| CN 100 PIN 8 | CR7 | RIGHT FRONT PRESS. SW. |
| CN 100 PIN 9 | CR8 | LEFT REAR PRESS. SW. |
| CN 100 PIN 10 | CR9 | RIGHT REAR PRESS. SW. |
| CN 100 PIN 11 | CR10 | NOT USED |
| CN 100 PIN 12 | CR6 | LEFT FRONT PRESS. SW. |

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