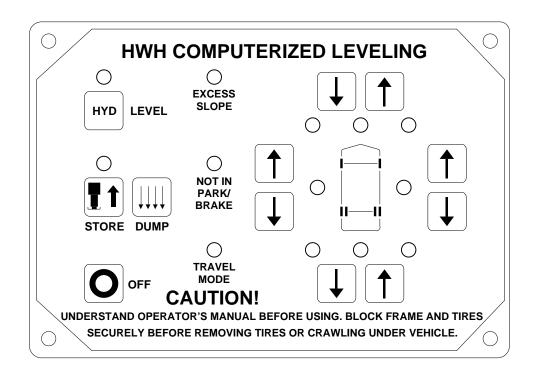


### **OPERATOR'S MANUAL**

### HWH TOUCH PANEL-CONTROLLED 625 SERIES LEVELING SYSTEM

#### **FEATURING:**

Touch Panel Leveling Control BI-AXIS° Hydraulic Leveling Straight-Acting Jacks
With Air Dump



#### **HWH CORPORATION**

(On I-80, Exit 267 South) 2096 Moscow Road | Moscow, Iowa 52760 Ph: 800/321-3494 (or) 563/724-3396 | Fax: 563/724-3408

www.hwh.com

#### **OPERATOR'S MANUAL**

#### **CAUTION!**

READ THE ENTIRE OPERATOR MANUAL BEFORE OPERATING.

BLOCK FRAME AND TIRES SECURELY BEFORE CRAWLING UNDER VEHICLE. DO NOT USE LEVELING JACKS OR AIR SUSPENSION TO SUPPORT VEHICLE WHILE UNDER VEHICLE OR CHANGING TIRES. VEHICLE MAY DROP AND/OR MOVE FORWARD OR BACKWARD WITHOUT WARNING CAUSING INJURY OR DEATH.

KEEP ALL PEOPLE CLEAR OF VEHICLE WHILE OPERATING LEVELING SYSTEM OR ROOM EXTENSIONS.

KEEP ALL PEOPLE CLEAR OF VEHICLE WHILE DUMPING AIR FROM THE VEHICLE'S SUSPENSION.

DO NOT MOVE THE VEHICLE IF THE VEHICLE IS NOT AT THE PROPER RIDE HEIGHT. CONTACT MANUFACTURER TECHNICAL SERVICE FOR MOVING THE VEHICLE WHEN NOT AT THE PROPER RIDE HEIGHT.

WEAR SAFETY GLASSES WHEN INSPECTING OR SERVICING THE SYSTEM TO PROTECT EYES FROM DIRT, METAL CHIPS, OIL LEAKS, ETC. FOLLOW ALL OTHER APPLICABLE SHOP SAFETY PRACTICES.

IMPORTANT: IF COACH IS EQUIPPED WITH A ROOM EXTENSION, READ ROOM EXTENSION SECTION BEFORE OPERATING LEVELING SYSTEM.

#### **HOW TO OBTAIN WARRANTY SERVICE**

#### THIS IS NOT TO BE INTERPRETED AS A STATEMENT OF WARRANTY

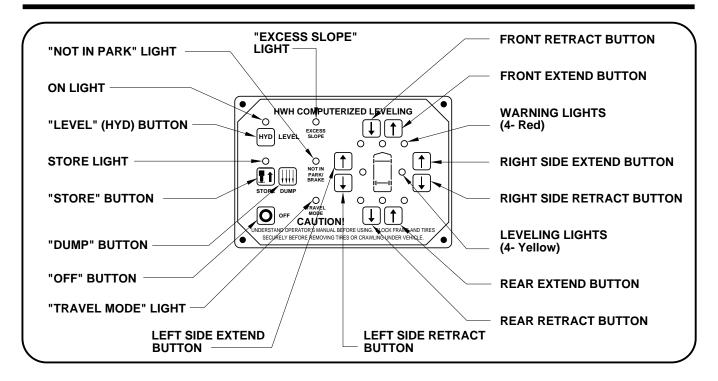
HWH CORPORATION strives to maintain the highest level of customer satisfaction. Therefore, if you discover a defect or problem, please do the following:

**FIRST:** Notify the dealership where you purchased the vehicle or had the leveling system installed. Dealership management people are in the best position to resolve the problem quickly. If the dealer has difficulty solving the problem, he should immediately contact the Customer Service Department, at HWH CORPORATION.

**SECOND:** If your dealer cannot or will not solve the problem, notify the Customer Service Department: HWH CORPORATION 2096 Moscow Rd. Moscow IA. 52760 (563) 724-3396 OR (800) 321-3494. Give your name and address, coach manufacturer and model year, date the coach was purchased, or the date of system installation,

description of the problem, and where you can be reached during business hours (8:00 a.m. till 5:00 p.m. c.s.t.). HWH CORPORATION personnel will contact you to determine whether or not your claim is valid. If it is, HWH CORPORATION will authorize repair or replacement of the defective part, either by appointment at the factory or by the authorization of an independent service facility, to be determined by HWH CORPORATION. All warranty repairs must be performed by an independent service facility authorized by HWH CORPORATION, or at the HWH CORPORATION factory, unless prior written approval has been obtained from proper HWH CORPORATION personnel.

### CONTROL IDENTIFICATION 625 SERIES LEVELING SYSTEM COMPUTER-CONTROL



#### **CONTROL FUNCTIONS**

#### **CONTROL BUTTONS**

**"OFF" BUTTON:** Push the "OFF" button to stop hydraulic operation.

"LEVEL" (HYD) BUTTON: This is the on button and automatic operation button. The ON indicator light is above the "HYD" button.

**"STORE" BUTTON:** The store indicator light is above the "STORE" button. This button is used to automatically retract the jacks.

**"DUMP" BUTTON:** This is a manual button for dumping air from the vehicle suspension.

**EXTEND BUTTONS (UP ARROWS):** These buttons will extend their respective jack pairs to lift the vehicle.

**RETRACT BUTTONS (DOWN ARROWS):** These buttons will retract their respective jack pairs to lower the vehicle.

#### **INDICATOR LIGHTS**

**LEVELING LIGHTS:** The four yellow indicating lights are level sensing indicators. When a yellow light is on, it indicates that its side, end, or corner of the vehicle is low. No more than two lights should be on at the same time.

**WARNING LIGHTS:** The four red lights surrounding the yellow level indicators are jacks down WARNING lights. They are functional only when the ignition is in the "ON" or "ACC" position, the system is on, and the jacks are extended 1/4 to 1/2 inch.

**"EXCESS SLOPE" LIGHT:** This indicator will light when the leveling system cannot level the vehicle.

"NOT IN PARK/BRAKE" LIGHT: This indicator will light when the hand/auto brake is not set and the "LEVEL" button is being pushed.

"TRAVEL MODE" LIGHT: This indicator light will be on when the ignition is on, when the jacks are retracted and there are no red WARNING lights on.

**MASTER "JACKS DOWN" WARNING LIGHT:** This is a light mounted in the dash separate from the touch panel. It will be on when any one or more jacks are extended and the ignition is "ON".

**BUZZER:** This is a jacks down warning. It will sound if the master "JACKS DOWN" warning light is on.

#### **OPERATING PROCEDURES**

#### **GENERAL INSTRUCTIONS**

Maintain adequate clearance in all directions for vehicle, room extensions, awnings, doors, steps, etc. Vehicle may move in any direction due to jacks extending or retracting, settling of the jacks or the vehicle, equipment malfunction, etc..

If parking on soft ground or asphalt paving, a wood block or pad should be placed under each jack.

Press the "OFF" button and turn the ignition switch "OFF" at any time to stop the operation of the system.

Any time a hydraulic leveling process is interrupted, retract the jacks according to the JACK RETRACTION Section and then restart the leveling process. If the hand / auto brake is not set when the "HYD" button is pressed, the "NOT IN PARK/BRAKE" light will come on. When the "HYD" button is released the "NOT IN PARK/BRAKE" light will go out. The panel will NOT turn on.

The leveling system should be cycled once a month or whenever the vehicle is used, to keep the system in operating condition.

**CAUTION:** DO NOT MOVE THE VEHICLE IF ONE OR MORE JACKS ARE EXTENDED TO THE GROUND.

#### PREPARATION FOR TRAVEL

Before traveling, the red jack warning lights must be off and the "TRAVEL MODE" light must be on. If lights are not correct for travel, retract jack as described in the JACK RETRACTION Section.

If the jacks are retracted but a red "WARNING" light is lit or the green "TRAVEL MODE" light is not lit, the system needs to be serviced.

Any room extension or generator slide should be fully retracted before traveling.

CAUTION: DO NOT MOVE THE VEHICLE WHILE THE LEVELING JACKS ARE STILL IN CONTACT WITH THE GROUND OR IN THE EXTEND POSITION. THIS VEHICLE IS EQUIPPED WITH STRAIGHT-ACTING JACKS. MOVING THE VEHICLE WITH THE LEVELING JACKS EXTENDED CAN CAUSE SEVER DAMAGE TO THE JACKS

AND OR THE VEHICLE AND CREATE A DRIVING HAZARD. DO NOT RELY SOLELY UPON WARNING LIGHTS. IT IS THE OPERATOR'S RESPONSIBILITY TO CHECK THAT ALL JACKS ARE FULLY RETRACTED INTO THE STORE/TRAVEL POSITION AND THE VEHICLE IS AT THE PROPER RIDE HEIGHT FOR TRAVELING. CONTACT MANUFACTURER TECHNICAL SERVICE BEFORE MOVING A VEHICLE THAT IS NOT AT PROPER TRAVEL HEIGHT.

IMPORTANT: Any time the "HYD" button has been pushed, push the "STORE" button before traveling.

If the jacks cannot be retracted according to the JACK RETRACTION Section, retract the jacks according to the MANUAL JACK RETRACTION Section. The system should then be checked.

#### **ROOM EXTENSION PROCEDURES**

IMPORTANT: If the vehicle is equipped with a room extension read this section carefully.

If the vehicle is equipped with kick-down jacks, the wheels <u>MUST</u> be blocked securely. It is recommended to complete the Leveling Procedure before operating room extensions. It is recommended to retract room extensions before retracting jacks.

Refer to the vehicle owners manual for proper operation of room extensions.

IMPORTANT: Do not use a room extension support when the vehicle is supported by the leveling system.

### OPERATING PROCEDURES 625 SERIES LEVELING SYSTEM

#### AUTOMATIC HYDRAULIC LEVELING

1. Place transmission in the recommended position for parking vehicle and set parking brake. Turn the coach engine off. Turn the ignition to the "ACCESSORY" position.

NOTE: If the vehicle has an air suspension, running the vehicle engine during leveling can cause erratic operation and inhibit proper leveling of the vehicle.

- 2. Press the "LEVEL" button to enter the hydraulic operation mode. The ON light will glow steady.
- 3. At this time, the operator may want to check the jacks and place pads under the jacks if the ground will not support the vehicle.
- 4. Press the "LEVEL" button a second time. The ON light will start to flash.

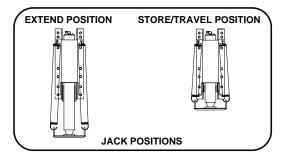
NOTE: After pushing the "LEVEL" button a second time, the system will begin to dump air from the vehicle suspension. After approximately 25 seconds, the leveling process will begin.

The system will automatically extend the jacks to level the vehicle and then extend any remaining jacks for stabilizing. After the system has finished leveling and stabilizing, and has completed the air dump cycle, it will automatically shut off.

EXCESS SLOPE SITUATION: In the event the jacks are unable to level the coach, the "EXCESS SLOPE" light will come on. Excess slope is two jacks fully extending without turning the yellow level light out. The system will not stabilize the vehicle if the "EXCESS SLOPE" light comes on. One or more jacks may not be extended. The system will shut off leaving the "EXCESS SLOPE" light on. The "EXCESS SLOPE" light will remain on if the ignition is in the "ON" or "ACC" position, until the jacks have been fully retracted turning the red warning lights out. Push the "STORE" button to retract the jacks. Move the vehicle to a more level position or level the vehicle as close as possible according to the MANUAL HYDRAULIC OPERATION section.

5. Turn the ignition switch to the "OFF" position.

**JACK RETRACTION** 



**CAUTION:** THE OPERATOR MUST BE SURE THAT THERE ARE NO OBJECTS UNDER THE VEHICLE AND THAT ALL PEOPLE ARE CLEAR OF THE VEHICLE.

- 1. Start the engine. Store the jacks immediately.
- 2. Press the "STORE" button. The store indicator light will flash. As each jack retracts, its red WARNING light will go out. The system will automatically shut down six minutes after the four individual red "WARNING" lights are out. If any one red "WARNING light does not go out, the system will continue to store for thirty minutes, then shut down regardless of the "WARNING" lights condition.

NOTE: When traveling thermal expansion may cause a jack to extend slightly. When the "STORE" button has been used to retract the jacks, the system will automatically retract any jack that extends due to thermal expansion.

IMPORTANT: DO NOT interrupt power to the leveling system while the "STORE" indicator light is blinking. DO NOT push the "OFF" button or turn the ignition key. The system must be allowed to completely finish the STORE mode.

CAUTION: DO NOT MOVE THE VEHICLE WHILE THE LEVELING JACKS ARE STILL IN CONTACT WITH THE GROUND OR IN THE EXTEND POSITION. THIS VEHICLE IS EQUIPPED WITH STRAIGHT-ACTING JACKS. MOVING THE VEHICLE WITH THE LEVELING JACKS EXTENDED CAN CAUSE SEVERE DAMAGE TO THE JACKS AND OR THE VEHICLE AND CREATE A DRIVING HAZARD. DO NOT RELY SOLELY UPON WARNING LIGHTS. IT IS THE OPERATOR'S RESPONSIBILITY TO CHECK THAT ALL JACKS ARE FULLY RETRACTED INTO THE STORE/TRAVEL POSITION AND THE VEHICLE IS AT THE PROPER RIDE HEIGHT.

3. The vehicle can be moved as soon as the red warning lights are out, the jacks are in the STORE/TRAVEL position, the green "TRAVEL" light is on, and the suspension air bags are inflated to the vehicles proper ride height.

IMPORTANT: If a red warning light and buzzer come on while traveling, the jacks should be checked as soon as a safe parking location is found.

4. If jacks cannot be retracted by the above procedure see MANUAL JACK RETRACTION Section.

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#### OPERATING PROCEDURES

#### MANUAL HYDRAULIC OPERATION

- 1. Place transmission in the recommended position for parking the vehicle, and set the parking brake. Turn the ignition to the "ACCESSORY" position.
- 2. Press the "HYD" button. The indicator light will glow steady.
- 3. Place pads under the jack feet if the ground will not support the vehicle on the jacks.
- 4. Push the "DUMP" button. Wait until all of the air is exhausted from the vehicles suspension system.
- 5. The vehicle may be leveled using the manual EXTEND (UP ARROW) buttons on the right half of the panel. If a yellow LEVEL SENSING light is on, that side or end of the vehicle is low. It is best to level the vehicle side to side first, if needed, before front to rear.

Jacks will extend (or retract) in pairs to raise (or lower) a side or end of the vehicle. Any jack not used for leveling can be extended to the ground. This provides additional stability against wind and activity in the vehicle. Jacks used to stabilize the vehicle after leveling is complete should lift the vehicle slightly after touching the ground.

IMPORTANT: Do not continue to push an EXTEND button for more than ten (10) seconds after that pair of jacks are fully extended.

6. When leveling is completed, push the "OFF" button on the touch panel and turn the ignition switch to the "OFF" position.

IMPORTANT: Push the "STORE" button before traveling when manual operation of the leveling system is used.

#### MANUAL JACK RETRACTION

The solenoid valves on the power unit valve assembly are equipped with a manual valve release. The large valves have a valve release T-Handle. The small valves have a valve release nut. Use the manual valve release for retracting only if the "STORE" button on the control panel will not retract the jacks for travel.

NOTE: Some assemblies have 4 large valves, some have 4 small valves and some will have 2 large valves in the outer positions and 2 small valves in the center positions.

CAUTION: KEEP AWAY FROM THE WHEELS, DO NOT CRAWL UNDER THE VEHICLE, KEEP A SAFE DISTANCE IN FRONT AND REAR OF THE VEHICLE. THE VEHICLE MAY DROP AND/OR MOVE FORWARD OR BACKWARD WITHOUT WARNING AS THE VALVE RELEASE IS OPERATED.

- 1. Locate the manual valve release on each solenoid valve. The solenoid valves are located on the power unit/valve assembly.
- 2. Allow clearance for the vehicle to lower.

IMPORTANT: Only open the valves enough to retract the jacks. DO NOT turn valve release nuts more than 4 and 1/2 turns. Turning the nuts more could damage the valves.

Valve relese T-Handles will turn several turns easily. As the valve starts to open, the T-Handles will turn harder. Make sure the valves have been opened far enough to allow the jacks to retract.

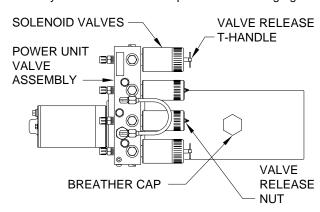
- 3. Retract the front jacks by opening the two center valves. Slowly turn the manual valve releases counter clockwise until the jacks start to retract.
- 4. Repeat the process for the rear jacks by opening the two outer valves.

NOTE: Prior to APRIL 2002 a 1/4" Nut Driver was sent with the Operators Manual. As of APRIL 2002 the 1/4" Nut Driver has been incorporated into the Breather Cap. See the back page of this manual for further info.

- 5. Check that all four jacks are now retracted.
- Close the valves by turning the manual valve releases clockwise.

IMPORTANT: Once the manual valve release is snug, DO NOT tighten the manual valve release past this point as internal damage may occur to the solenoid.

7. The system should now be repaired before using again.



#### MAINTENANCE

#### OIL LEVEL

It is important that the four leveling jacks are fully retracted before checking the hydraulic oil level. To check the oil supply, remove the breather cap from the top of the hydraulic oil reservoir. The oil level should be approximately one inch below the top of the reservoir when adequately filled. **FLUID:** HWH Specialty Hydraulic Oil is recommended. In an emergency Dexron automatic transmission fluid can be used. **NOTE:** Dexron automatic transmission fluid contains red dye and can cause staining should a leak occur. DO NOT USE brake fluid or hydraulic jack fluid. Use of these can damage seals.

#### **ELECTRICAL SYSTEM**

The batteries should be in good condition and fully charged. Weak batteries can cause erratic operation. Battery cable terminals and battery posts and connections should be kept clean.

All electrical connections, especially ground connections, should be clean, tight, free from corrosion and protected from weathering.

#### UNUSUAL CONDITIONS

If driving conditions are unusually muddy, the jacks may become caked or clogged with mud. This condition may hamper the proper operation of the leveling system. This problem may be prevented or remedied by cleaning off each leveling jack if they become excessively muddy.

In wet or icy weather leveling jacks may become encrusted with ice. This may cause the leveling system to function improperly. To eliminate this problem, periodically check the leveling jacks and break loose any ice which may be causing improper operation.

Do not move the vehicle while the leveling jacks are still in contact with the ground. Retract the jacks according to the "JACK RETRACTION" section and then visually check to see if the leveling jacks have returned to the STORE/TRAVEL position.

**NOTE:** All major components of the system can be replaced with rebuilt parts or can be sent to HWH CORPORATION to be rebuilt, when the system is out of warranty.

#### **OPERATIONAL CHECK**

Review the operator manual and run the system in the automatic and manual mode. Note any abnormal operation.

Check that all lights work according to the INDICATOR LIGHT section. Correct function of the four red WARNING lights is essential to the correct operation of the system.

Check that the vehicle is level when all the yellow LEVEL indicator lights are out.

Contact you dealer or HWH Corporation for assistance.

Review the JACK RETRACTION Section.

Make sure the jacks will fully retract to the store position. Jacks should not interfere with any part of the vehicle when in the store position.

With the jacks extended, check that the jacks can be retracted using the "T" handles on the solenoid valves. Refer to the MANUAL JACK RETRACTION section.

Check the air dump system by using the manual "DUMP" button according to the MANUAL AIR DUMP section. If the system will not dump air or return to the proper ride height, contact your dealer or HWH Corporation.

#### NOT IN PARK/BRAKE LIGHT CHECK

- 1. Turn the ignition on.
- 2. Set the park brake.
- 3. Turn the leveling system on.
- Apply the foot brake or chock the wheels so the vehicle cannot move.
- 5. Release the park brake. The Leveling System panel should turn off.
- 6. Apply the park brake.
- 7. If the panel does not turn off when the park brake is released, the system needs to be checked.

#### MAINTENANCE/SERVICE

#### SENSING UNIT ADJUSTMENT

Level the vehicle by placing a bubble level in the center of the freezer floor or upon whichever surface within the vehicle that is to be level. Using the Leveling System and the bubble level, ignoring the yellow LEVEL lights on the Touch Panel, level the vehicle until the bubble is centered.

With the vehicle level according to the bubble level, if there are no yellow lights lit on the Touch Panel, the sensing unit is properly adjusted. If there are yellow LEVEL lights lit on the Touch Panel, manual adjustments to the Sensing Unit are needed. A 7/8", 3/4" or 5/16" socket w/driver or box end wrench and a philips screw driver will be needed.

The Sensing Unit is mounted inside the Control Box. The Control Box is mounted to the power unit/valve assembly.

There are four LED's on the Sensing Unit, A,B,C and D. Refer to the drawing below. The Sensing Unit is adjusted by turning the adjustment nut to turn out LED's B and D. The adjustment screw will turn out LED's A and C. If the adjustment nut has to be turned more than 1/2 flat or the adjustment screw has to be turned more than 3/4 turn to turn the LED out, there may be a problem with the Sensing Unit or the mounting of the Control Box. If two LED's are on, it is best to make the B-D adjustments first, then hold the adjustment nut from moving while making the A-C adjustment.

NUT

MP85.6148

**TOP VIEW - SENSING UNIT** the OPPOSITE direction that is given in the above the front up more. Again, unlevel the vehicle then touch panel. Recheck with a level. Repeat the properly. SIDE VIEW - CONTROL BOX **LED'S - LOCATION MAY BE DIFFERENT ADJUSTMENT** NUT (5/16") **ADJUSTMENT** NUT (7/8" or 3/4") **CONTROL BOX WALL ADJUSTMENT** SCREW (Phillips or 1/4") **ADJUSTMENT ADJUSTMENT SCREW** 

**ADJUSTMENT NUT** 

NOTE: If opposing LED's are lit, there is a problem with the Sensing Unit.

If LED (A) is lit: Turn the adjustment screw COUNTER CLOCKWISE until the LED is off.

If LED (C) is lit: Turn the adjustment screw CLOCKWISE until the LED is off.

If LED (B) is lit: Turn the adjustment nut COUNTER CLOCKWISE until the LED is off.

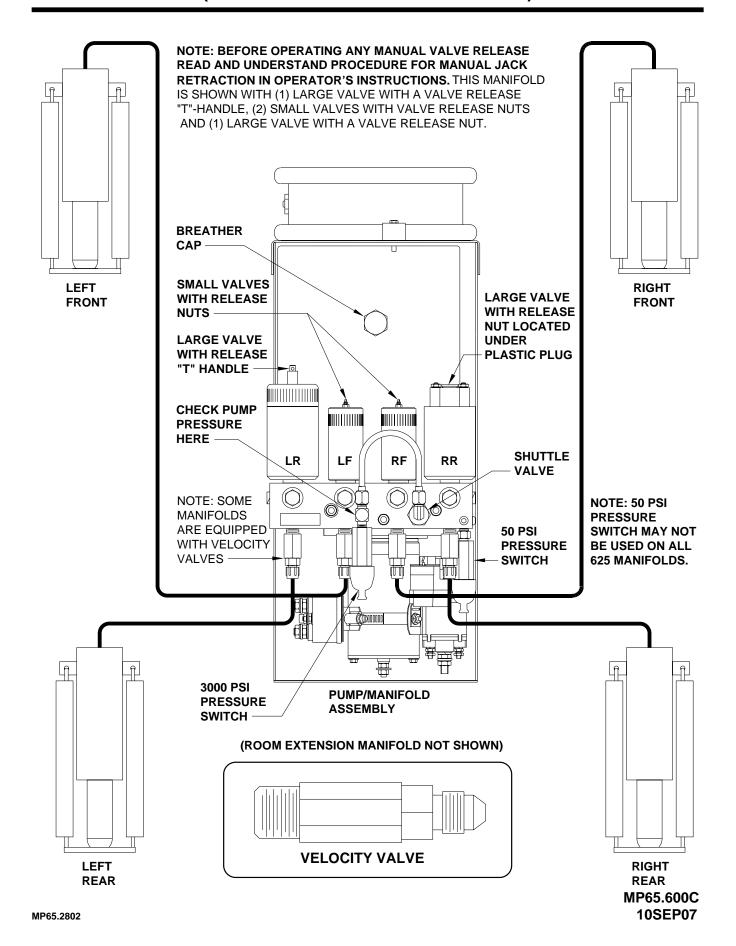
If LED (D) is lit: Turn the adjustment nut CLOCKWISE until the LED is off.

IMPORTANT: When all 4 LED's are off, move the vehicle to an unlevel position so one or two vellow lights are on. Level the vehicle according to the yellow LEVEL lights. Recheck the level. If more adjustment is needed, DO NOT try to adjust the sensing unit until the yellow level lights go out, instead just "tweak" the sensing unit, ignoring the LED's on the sensing unit.

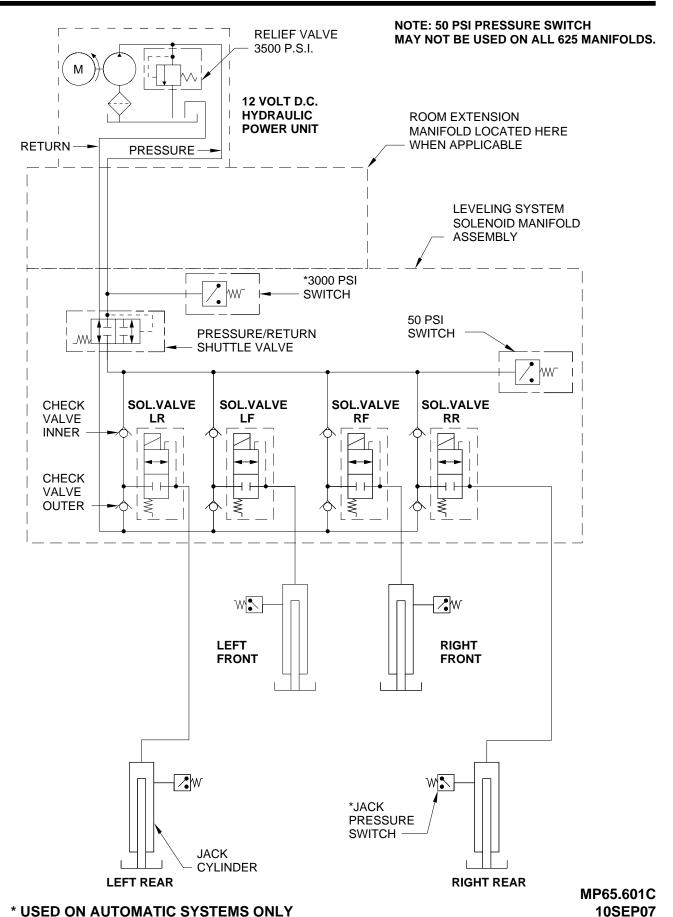
Example: After the initial adjustment and releveling the vehicle, the front is still low. This means the front yellow level light is turning off too soon. Determine which sensing unit light is the front light, A-B-C or D. Move the adjustment for that light very, very, slightly in instructions for LED's A, B, C, and D. This will allow the front yellow light to stay on slightly longer to bring relevel the vehicle using the yellow level lights on the "tweaking" process until the system levels the vehicle

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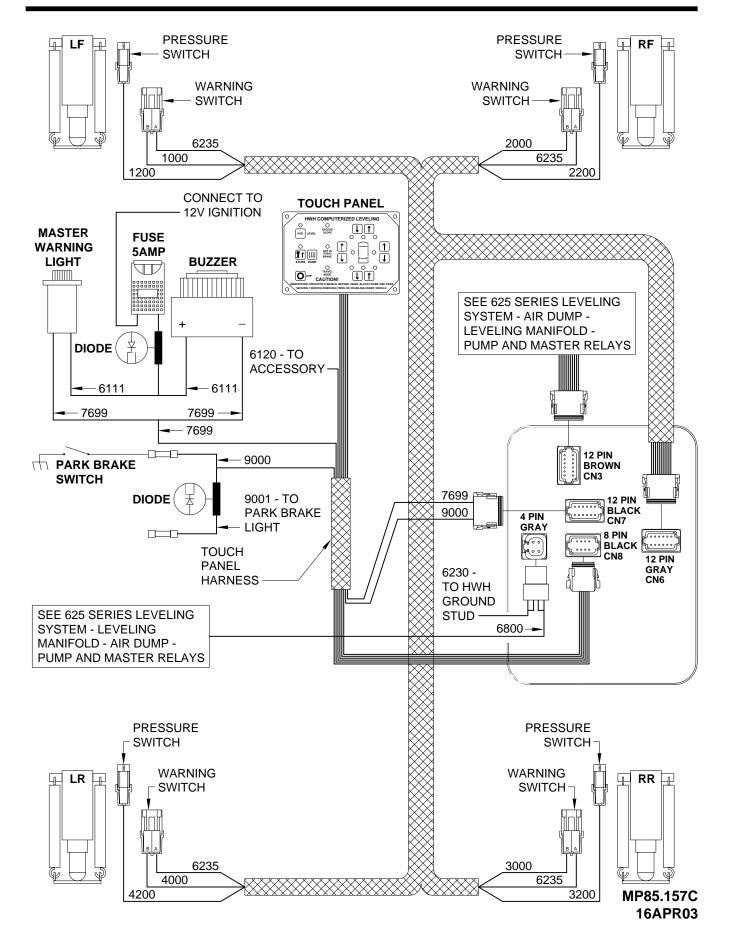
## HYDRAULIC LINE CONNECTION DIAGRAM 625 SERIES LEVELING SYSTEM (WITH 4 STRAIGHT-ACTING JACKS)



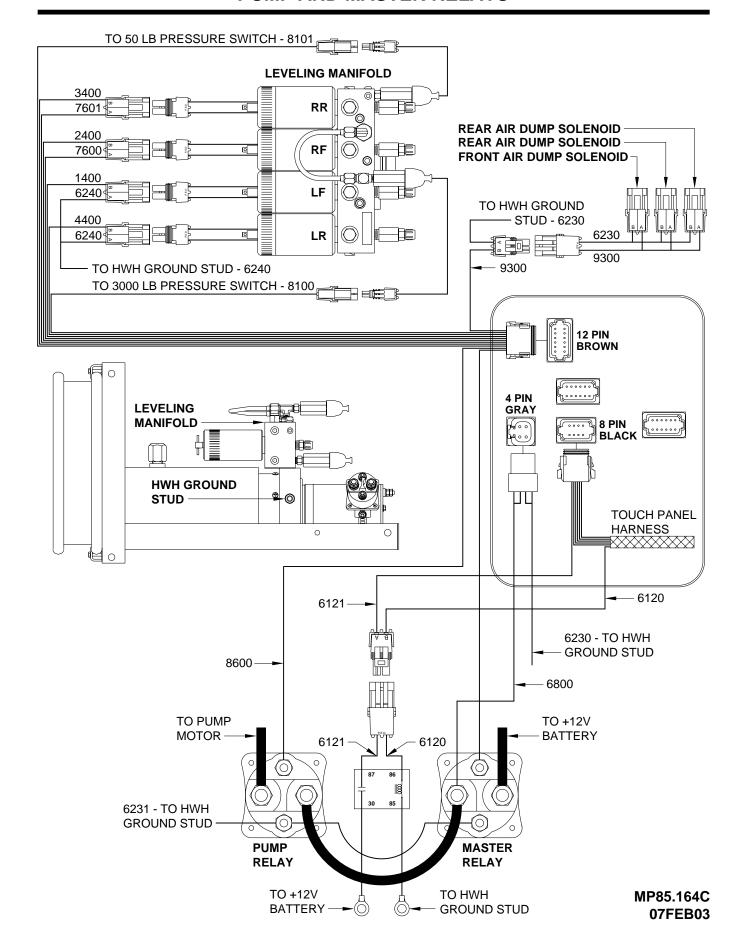
#### HYDRAULIC SCHEMATIC **BI-AXIS LEVELING WITH STRAIGHT-ACTING JACKS**



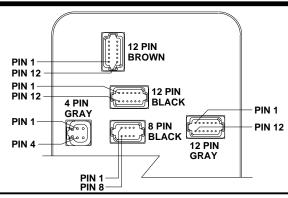
# ELECTRICAL CONNECTION DIAGRAM 625 SERIES LEVELING SYSTEM PARK BRAKE - MASTER WARNING LIGHT AND BUZZER TOUCH PANEL - JACK WARNING LIGHTS AND PRESSURE SWITCHES



# ELECTRICAL CONNECTION DIAGRAM 625 SERIES LEVELING SYSTEM LEVELING MANIFOLD - AIR DUMP PUMP AND MASTER RELAYS



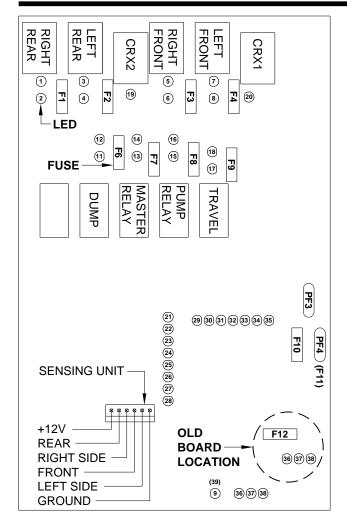
## ELECTRICAL CONNECTION DIAGRAM 625 SERIES LEVELING SYSTEM CONTROL BOX CONNECTION INFORMATION



| PIN#  | WIRE<br>COLOR                | WIRE<br>NUMBER           | WIRE DESCRIPTION AND FUNCTION                    |  |
|---|------------------------------|--------------------------|--|--|
| GRAY CONNECTOR                                  |                              |                          | - 4 PIN GRAY CONNECTOR                           |  |
| 1 — —   | $-\mathop{RED}$              | — - 6800 — —             | +12V BATTERY POWER FROM MASTER RELAY             |  |
| 2 — —   | $-\mathop{\rm RED}\nolimits$ | - - 6800 $ -$            | +12V BATTERY POWER FROM MASTER RELAY             |  |
| 3 — —   | - WHITE $ -$                 | — — 6230 — —             | GROUND FROM HWH GROUND STUD                      |  |
|   |                              |                          | GROUND FROM HWH GROUND STUD                      |  |
| BROWN CONNECTOR                                 |                              |                          | - 12 PIN BROWN CONNECTOR                         |  |
| 1 — —   | — BLACK — — -                | _ <b>_</b> 8500 — _      | MASTER RELAY CONTROL SWITCHED +12 VOLTS          |  |
| 2 — —   | -BLACK                       | 8100 <del>_</del>        | 3000 LB PRESSURE SWITCH SWITCHED GROUND          |  |
| 3 — —   | -BLACK                       | 8101                     | 50 LB PRESSURE SWITCH SWITCHED GROUND            |  |
| 4 — —   |                              |                          | - NO CONNECTION                                  |  |
| 5 — —   | — BLACK — — -                | 1400 <b>_</b>            | SWITCHED +12 FOR LEFT FRONT SOLENOID VALVE       |  |
| 6 — —   | - BLACK                      | 7600 — _                 | GROUND FOR RIGHT FRONT SOLENOID VALVE            |  |
| 7 — —   | — BLACK — — -                | — — <del>76</del> 01 — — | GROUND FOR RIGHT REAR SOLENOID VALVE             |  |
|   |                              |                          | SWITCHED +12 FOR LEFT REAR SOLENOID VALVE        |  |
|   |                              |                          | SWITCHED +12 FOR RIGHT REAR SOLENOID VALVE       |  |
|   |                              |                          | SWITCHED +12 FOR RIGHT FRONT SOLENOID VALVE      |  |
|   |                              |                          | SWITCHED +12 FOR AIR DUMP VALVES                 |  |
| 12 — —  | — BLACK — — -                | — — 8600 — —             | PUMP RELAY CONTROL                               |  |
| BI ACK  | CONNECTOR —                  |                          | 12 PIN BLACK CONNECTOR                           |  |
| 1 THRII   | 6                            |                          | NO CONNECTION                                    |  |
| 7 — —   | — ВІ ДСК — — -               | — — 9000 — —             | SWITCHED GROUND FROM PARK BRAKE SWITCH           |  |
| ,<br>8 THRII                                    | 10                           |                          | NO CONNECTION                                    |  |
| 11 — —  | — BI VCK — — -               | — — 7600 — —             | BUZZER CONTROL SWITCHED GROUND                   |  |
| 12 — —  |                              |                          | - NO CONNECTION                                  |  |
| 12 — — — — — — — — — — — — — — — — — — —        |                              |                          | - 8 PIN BLACK CONNECTOR                          |  |
| 1 AND 2 — — — — — — — — —                       |                              |                          | - NO CONNECTION                                  |  |
| 3 — —   | _ PED                        | — - 6800 — —             | SWITCHED BATTERY                                 |  |
| <i>1</i> — —                                    | - WHITE                      | — — 6230 — —             | · CPOLIND  |  |
| <del></del>                                     |                              | 0230                     |  |  |
| 6 — —   | _ PED                        | — - 6121 — —             | SWITCHED HOUSE BATTERY                           |  |
|   |                              |                          |  |  |
| 0   | — GREEN — —                  |                          | CAN LICH   |  |
| CDAVC   | — YELLOW — —                 |                          | 12 DIN CRAY CONNECTOR                            |  |
| <b>GRAY CONNECTOR</b> 1 AND 2 — — — — — — — — — |                              |                          | NO CONNECTION                                    |  |
| 1 AND 2   |                              | 4000                     | NO CONNECTION                                    |  |
| 3 — —   | — BLACK — — -                | — — 1000 — —             | SWITCHED GROUND FROM LEFT FRONT WARNING SWITCH   |  |
| 4 — —   | - BLACK                      | — — <u>2</u> 000 — —     | SWITCHED GROUND FROM RIGHT FRONT WARNING SWITCH  |  |
| 5 — —   | - BLACK                      | — — 1200 — —             | SWITCHED GROUND FROM LEFT FRONT PRESSURE SWITCH  |  |
| ю — —   | — BLACK — — -                | — — <u>2200</u> — —      | SWITCHED GROUND FROM RIGHT FRONT PRESSURE SWITCH |  |
| / — —   | — BLACK — — -                | — — <u>3200</u> — —      | SWITCHED GROUND FROM RIGHT REAR PRESSURE SWITCH  |  |
| 8 — —   | — BLACK — — -                | — — 4200 — —             | SWITCHED GROUND FROM LEFT REAR PRESSURE SWITCH   |  |
| 9 — —   | — BLACK — — -                | 3000 — _                 | SWITCHED GROUND FROM RIGHT REAR WARNING SWITCH   |  |
|   |                              |                          | SWITCHED GROUND FROM LEFT REAR WARNING SWITCH    |  |
| 11 — —  |                              |                          | - NO CONNECTION                                  |  |
| 12 — —  | — WHITE — — -                | — — 6235 — —             | SHARED GROUND FOR WARNING SWITCH                 |  |

### 625 SERIES LEVELING SYSTEM

#### **CONTROL BOX - LED - FUSE LOCATION AND DESCRIPTION**



NOTE: FOR DETAILED INPUT / OUTPUT INFORMATION ABOUT PIN CONNECTIONS SEE ELECTRICAL CONNECTION DIAGRAM - CONTROL BOX CONNECTION INFORMATION.

NOTE: A LIT YELLOW LED INDICATES THERE IS A GROUND SIGNAL TO TURN THE CORRESPONDING RELAY ON.

A LIT RED LED INDICATES THERE IS VOLTAGE ON IT'S CORRESPONDING OUTPUT PIN.

IF A YELLOW LED IS LIT AND THE CORRESPONDING RED LED IS OFF, EITHER IT'S FUSE IS BLOWN OR THE RELAY IS BAD.

IF THE YELLOW LED'S ARE WORKING BUT NO RED LED IS COMING ON THERE MAY BE PROBLEM WITH INPUT VOLTAGE IN THE 4-PIN CONNECTOR.

IF A YELLOW LED IS NOT LIT, THERE IS A PROBLEM WITH THE CONTROL BOX, TOUCH PANEL OR CONNECTION CABLE.

LED'S 19 AND 20 (YELLOW) WILL BE ON WHENEVER THE TOUCH PANEL IS ON UNLESS THE "STORE" BUTTON IS PUSHED. TWO SECONDS AFTER THE "STORE" BUTTON IS PUSHED, LED'S 7 AND 20 WILL TURN OFF. 5 SECONDS LATER LED'S 3 AND 19 WILL TURN OFF.

| 1-YELLOW 2-RED 3-YELLOW 4-RED LEFT REAR COIL 4-RED S-YELLOW RIGHT FRONT COIL 6-RED RIGHT FRONT OUTPUT 7-YELLOW 8-RED LEFT FRONT OUTPUT 11-YELLOW 12-RED DUMP COIL 13-YELLOW 14-RED DUMP COIL 11-YELLOW 11-YELLOW 12-RED DUMP OUTPUT 13-YELLOW 14-RED TRAVEL COIL 15-YELLOW 16-RED TRAVEL COIL 18-RED TRAVEL COIL 19-YELLOW 20-YELLOW 21-YELLOW RIGHT FRONT OUTPUT FF - 5 AMP FF - 6 - 5 AMP FF - 7 - 5 AMP FF - 15 - 15 AMP FF | LED        | RELAY DESCRIPTION      | FUSE         |
|--|------------|------------------------|--------------|
| 3-YELLOW 4-RED 5-YELLOW RIGHT FRONT COIL 6-RED RIGHT FRONT OUTPUT 7-YELLOW 8-RED LEFT FRONT OUTPUT 11-YELLOW 12-RED DUMP COIL 13-YELLOW MASTER RELAY COIL 14-RED MASTER RELAY OUTPUT 15-YELLOW 16-RED PUMP COIL 17-YELLOW 16-RED TRAVEL COIL 18-RED TRAVEL COIL 18-RED TRAVEL COIL 19-YELLOW 20-YELLOW RIGHT FRONT WARN SW RIGHT FRONT WARN SW RIGHT FRONT WARN SW RIGHT FRONT PRESS SW RIGHT FRONT PRESS SW RIGHT FRONT PRESS SW RIGHT REAR PRESS SW RIGHT RE | 1-YELLOW   | RIGHT REAR COIL        |              |
| 4-RED   LEFT REAR OUTPUT   F2 - 15 AMP   5-YELLOW   RIGHT FRONT COIL   6-RED   RIGHT FRONT OUTPUT   F3 - 15 AMP   7-YELLOW   LEFT FRONT OUTPUT   F4 - 15 AMP   11-YELLOW   DUMP COIL   DUMP COIL   12-RED   DUMP OUTPUT   F6 - 5 AMP   13-YELLOW   MASTER RELAY COIL   F7 - 5 AMP   15-YELLOW   PUMP COIL   F7 - 5 AMP   17-YELLOW   TRAVEL COIL   F8 - 5 AMP   17-YELLOW   CRX 2   CRX 1   21-YELLOW   CRX 2   CRX 1   21-YELLOW   CRX 2   CRX 1   21-YELLOW   LEFT FRONT WARN SW   23-YELLOW   RIGHT FRONT WARN SW   24-YELLOW   LEFT FRONT PRESS SW   25-RED   LEFT REAR WARN SW   25-RED   LEFT REAR PRESS SW   26-RED   RIGHT FRONT PRESS SW   27-RED   RIGHT FRONT PRESS SW   29-RED   NOT USED   SOULD   30-YELLOW   STEED   SOULD   STEED   30-YELLOW   STEED   SOULD   31-GREEN   SOULD   SOULD  | 2-RED      | RIGHT REAR OUTPUT      | F1 - 15 AMP  |
| 5-YELLOW 6-RED RIGHT FRONT COIL 8-RED LEFT FRONT OUTPUT 11-YELLOW 12-RED DUMP COIL 13-YELLOW MASTER RELAY COIL 14-RED MASTER RELAY OUTPUT 15-YELLOW 16-RED PUMP OUTPUT TRAVEL COIL 18-RED TRAVEL COIL 18-RED TRAVEL OUTPUT TRAVEL  | 3-YELLOW   | LEFT REAR COIL         |              |
| 6-RED 7-YELLOW 8-RED 11-YELLOW 12-RED 13-YELLOW 16-RED 17-YELLOW 16-RED 19-YELLOW 20-YELLOW 22-YELLOW 23-YELLOW 23-YELLOW 23-YELLOW 24-YELLOW 25-RED 26-RED 30-YELLOW 31-GREEN 3000 LB PRESS SW 29-RED 30-YELLOW 31-GREEN 30-RED 3 | 4-RED      | LEFT REAR OUTPUT       | F2 - 15 AMP  |
| 7-YELLOW 8-RED 11-YELLOW 12-RED 13-YELLOW 14-RED 16-RED 17-YELLOW 16-RED 17-YELLOW 18-RED 16-RED 17-YELLOW 16-RED 17-YELLOW 18-RED 17-YELLOW 18-RED 17-YELLOW 18-RED 17-YELLOW 18-RED 18-RED 18-RED 18-S AMP 19-YELLOW 20-YELLOW 22-YELLOW 23-YELLOW 24-YELLOW 25-RED 26-RED 26-RED 27-RED 30-YELLOW 31-GREEN 30-YELLOW 31-GREEN 30-YELLOW 31-GREEN 30-YELLOW 31-GREEN 30-RED  | 5-YELLOW   |                        |              |
| 8-RED LEFT FRONT OUTPUT 11-YELLOW DUMP COIL 12-RED DUMP OUTPUT 13-YELLOW MASTER RELAY COIL 14-RED MASTER RELAY OUTPUT 15-YELLOW PUMP COIL 16-RED PUMP OUTPUT 17-YELLOW TRAVEL COIL 18-RED TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW LEFT FRONT WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT REAR WARN SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 1          |                        | F3 - 15 AMP  |
| 11-YELLOW 12-RED DUMP COIL 13-YELLOW MASTER RELAY COIL 14-RED MASTER RELAY OUTPUT 15-YELLOW PUMP COIL 16-RED PUMP OUTPUT TRAVEL COIL 18-RED TRAVEL COIL 18-RED TRAVEL OUTPUT T9-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED UEFT REAR PRESS SW 19-RED NOT USED 30-YELLOW NOT USED 30-YELLOW 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN F10 - 10 AMF   |            |                        |              |
| 12-RED DUMP OUTPUT 13-YELLOW MASTER RELAY COIL 14-RED MASTER RELAY OUTPUT 15-YELLOW PUMP COIL 16-RED PUMP OUTPUT 17-YELLOW TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY OUT FOR   |            |                        | F4 - 15 AMP  |
| 13-YELLOW 14-RED MASTER RELAY COIL 15-YELLOW PUMP COIL 16-RED PUMP OUTPUT TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT REAR WARN SW 24-YELLOW LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED UEFT REAR PRESS SW 19-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 30-RED MASTER WARN CONTROL 33-GREEN 35-RED ACCESSORY IN F10 - 10 AMF   |            |                        |              |
| 14-RED MASTER RELAY OUTPUT 15-YELLOW PUMP COIL 16-RED PUMP OUTPUT 17-YELLOW TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT FRONT WARN SW 24-YELLOW LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT FRONT PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY OUT FOR  | 1          |                        | F6 - 5 AMP   |
| 15-YELLOW 16-RED PUMP OUTPUT 17-YELLOW 18-RED TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW 20-YELLOW 21-YELLOW 22-YELLOW 23-YELLOW 24-YELLOW 25-RED LEFT FRONT WARN SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR WARN SW 28-RED LEFT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   |            |                        |              |
| 16-RED PUMP OUTPUT 17-YELLOW TRAVEL COIL 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 22-YELLOW RIGHT REAR WARN SW 23-YELLOW LEFT FRONT PRESS SW 26-RED LEFT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   |            |                        | F7 - 5 AMP   |
| 17-YELLOW 18-RED TRAVEL COIL 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT REAR WARN SW 24-YELLOW LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED UEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 30-YELLOW 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN F10 - 10 AMF  |            |                        | F0           |
| 18-RED TRAVEL OUTPUT 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW LEFT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW LEFT REAR WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | _          |                        | F8 - 5 AMP   |
| 19-YELLOW CRX 2 20-YELLOW CRX 1 21-YELLOW LEFT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW LEFT REAR WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF  | _          |                        | EO E AMD     |
| 20-YELLOW CRX 1 21-YELLOW LEFT FRONT WARN SW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT REAR WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF   | 1          |                        | F9 - 5 AIVIF |
| 21-YELLOW 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT REAR WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED BOARD ENABLE 37-RED ACCESSORY IN F10 - 10 AMF  |            | *                      |              |
| 22-YELLOW RIGHT FRONT WARN SW 23-YELLOW RIGHT REAR WARN SW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF  |            | - · · · ·              |              |
| 23-YELLOW 24-YELLOW LEFT REAR WARN SW 25-RED LEFT FRONT PRESS SW 26-RED RIGHT REAR PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN F10 - 10 AMF  | _          |                        |              |
| 24-YELLOW 25-RED LEFT REAR WARN SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN F10 - 10 AMF   | _          |                        |              |
| 25-RED LEFT FRONT PRESS SW 26-RED RIGHT FRONT PRESS SW 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF   |            |                        |              |
| 27-RED RIGHT REAR PRESS SW 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF  |            |                        |              |
| 28-RED LEFT REAR PRESS SW 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF   | 26-RED     | RIGHT FRONT PRESS SW   |              |
| 29-RED NOT USED 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 510 - 10 AMF   | 27-RED     | RIGHT REAR PRESS SW    |              |
| 30-YELLOW NOT USED 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 28-RED     | LEFT REAR PRESS SW     |              |
| 31-GREEN 3000 LB PRESS SW INPUT 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR  | 29-RED     | NOT USED               |              |
| 32-RED MASTER WARN CONTROL 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR  | 30-YELLOW  | NOT USED               |              |
| 33-GREEN 50 LB PRESS SW INPUT 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 31-GREEN   | 3000 LB PRESS SW INPUT |              |
| 34-RED JACK INTERRUPT 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 32-RED     | MASTER WARN CONTROL    |              |
| 35-RED PARK BRAKE 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 33-GREEN   |                        |              |
| 36-RED BOARD ENABLE 37-RED ACCESSORY IN 38-RED ACCESSORY OUT FOR   | 34-RED     |                        |              |
| 37-RED ACCESSORY IN ACCESSORY OUT FOR F10 - 10 AMF   | 1          |                        |              |
| 38-RED ACCESSORY OUT FOR   |            |                        |              |
|  | 1          |                        | F10 - 10 AMP |
| MASTER WARNING   PF4 (F11)   | 38-RED     |                        |              |
|  | (00) 0 DED |                        | PF4 (F11)    |
| (39) 9-RED LINK LIGHT  | (39) 9-RED | LINK LIGHT             |              |

NOTE: THE TRAVEL RELAY IS WIRED AS A NORMALLY CLOSED RELAY. WHEN THE YELLOW LED (17) IS ON THE RELAY CONTACTS WILL OPEN. THE RED LED (18) WILL NOT BE ON. THE RED LED WILL BE ON IF THE LEVELING SYSTEM IS IN THE TRAVEL MODE AND THE IGNITION IS ON.

NOTE: THE TRAVEL RELAY IS NOT USED ON VEHICLES EQUIPPED WITH HWH AIR DUMP SYSTEMS. IT IS ONLY USED WITH PILOT OPERATED AIR DUMP SYSTEMS.

NOTE: ON NEWER CONTROL BOXES, FUSE F11 AND FUSE F12 HAVE BEEN REPLACED WITH POLY SWITCHES PF4 AND PF3. POLY SWITCHES PROTECT A COMPONENT OR WIRE AS A FUSE DOES EXCEPT THE POLY SWITCH WILL ALLOW CURRENT THROUGH WHEN THE OVERLOAD OR SHORT IS REMOVED. POLY SWITCHES ARE NOT REPLACEABLE.

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