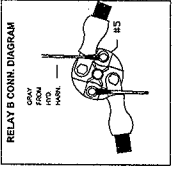
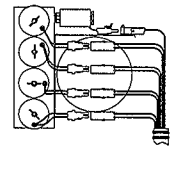
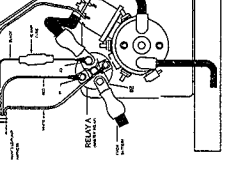
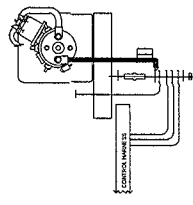
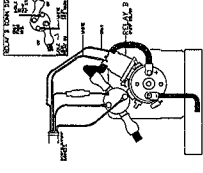
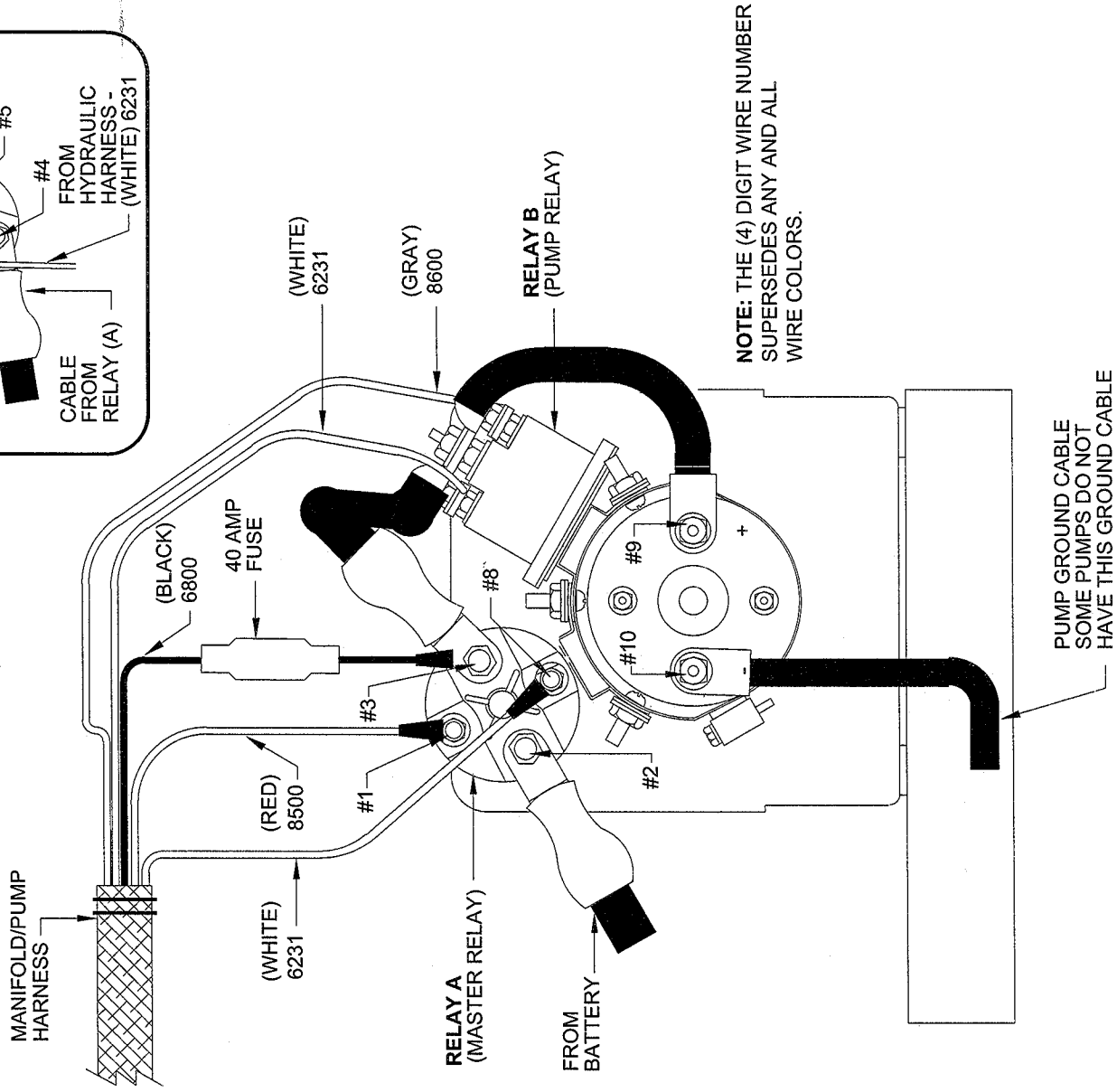
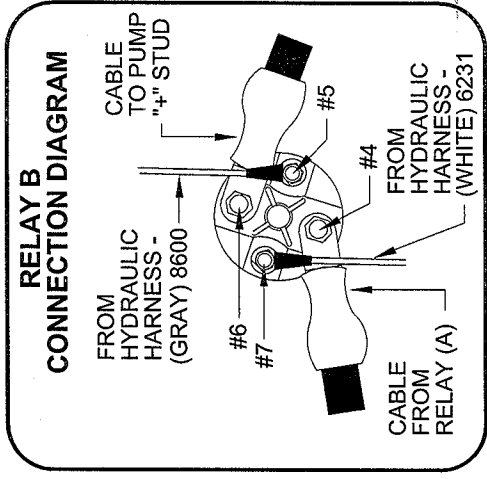


PROBLEM	SOLUTION	FIGURES
<p><b>Part 3 Continued</b></p> <p>d. The pump comes on at this time.</p> <p>e. All the indicator lights on the touch panel come on and stay on.</p>	<p>If possible, release the park brake. If the pump continues to run replace relay B. Otherwise, check Terminal 5 with a 12 volt test light connected to ground. If +12 volts is present, the problem is with the control box. If +12 is NOT present replace relay B.</p> <p>If all the indicator lights come on and stay on, replace the control box.  <b>NOTE:</b> All indicator lights will flash momentarily when turning the system on.</p>	<p>REFER TO MP85.5030</p>  <p>RELAY B CONTR. DIAGRAM  <small>ONLY FROM HYD. MANIF.</small></p>
<p><b>Part 4 Manual Operation</b></p> <p>a. The proper jacks do not extend when an up arrow is pushed.</p>	<p>The problem is probably the hose routing or wire connections at the manifold. Check the wiring and hydraulic diagrams for proper routings.</p>	<p>REFER TO MP85.5040</p> 
<p>b. The pump does not come on.</p>	<p>If the LOW BATTERY light comes on, check the 40 amp fuse in the (BLACK) 6800 wire.</p> <p>Push the "OFF" button then the "I" (HYD) button one time. Check Terminals 1,2 and 3 of relay A. They should have +12 volts. If Terminal 1 does not have +12 volts, the control box or the (RED) 8500 wire is bad. If Terminal 2 has no voltage, check the cable, cable ends and battery. If Terminal 3 has no voltage, connect a test light to Terminal 2 and check Terminal 8. Terminal 8 supplies ground for relay A. If the test light comes on, replace relay A. If the test light does not come on, check that all wires are properly hooked up to the grounding stud and that the grounding stud is tight and properly attached to the vehicles frame. The (WHITE) 6231 wire on Terminal 8 could be bad. Check the 40 amp in-line fuse holder on the #10 wire connected to Terminal 3. If Terminals 1,2 and 3 are OK proceed.</p> <p>The following test must be performed while an up arrow is being pushed. With a test light hooked to ground, check Terminals 5 and 6 while the up arrow is being pushed. If Terminal 5 has no voltage, check the pump fuse at the control box. If the fuse is good replace the control box. If the fuse is blown the gray wire may be shorted or relay B may be bad.</p> <p>If Terminal 5 has voltage but not Terminal 6, check Terminal 7 with a test light hooked to Terminal 2 of relay A. Terminal 7 supplies the ground for relay B. If the test light comes on, replace relay B. If the test light does not come on check the connections at the grounding stud. Make sure the grounding stud is properly attached to the frame. The (WHITE) 6231 wire could be bad.</p> <p>If Terminal 5 and 6 have voltage, check the connection at Terminal 9. Check that the connection at Terminal 10 is tight. Check that the pump ground cable is properly attached to the grounding stud.  <b>NOTE:</b> Some pumps will not have Terminal 10 or a ground strap. Check that the pump has a good solid frame mount. If all connections and mountings are okay, replace the pump.</p>	<p>REFER TO MP85.5030</p>  <p>REFER TO MP85.5045</p>  <p>REFER TO MP85.5045</p>  <p>RELAY B CONTR. DIAGRAM  <small>ONLY FROM HYD. MANIF.</small></p>

# MASTER AND PUMP RELAY WIRING DIAGRAM FOR 610 SERIES LEVELING SYSTEMS



**NOTE: THE (4) DIGIT WIRE NUMBER SUPERSEDES ANY AND ALL WIRE COLORS.**