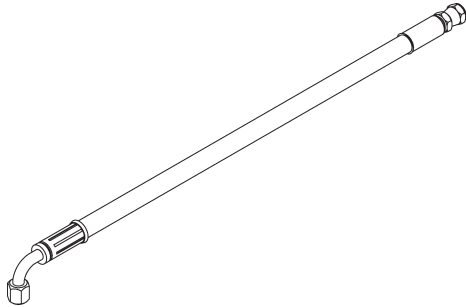
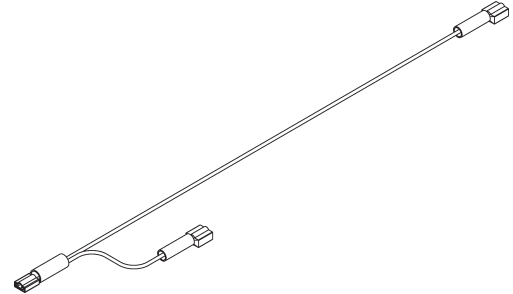


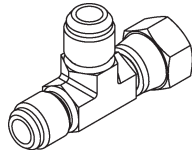
## INSTRUCTION, BMRSD POWER DOWN CONVERSION KIT DUAL PUMP KIT P/N 283655-01



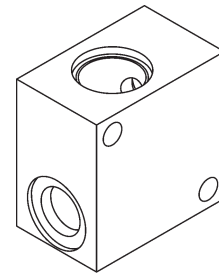
**HP HOSE, 3/8" I.D. X 22" LG. HP JIC#6 F**  
**P/N 263970**  
**QTY. 1**



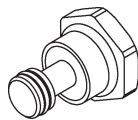
**WIRE ASSY, BMRSD**  
**(POWER DOWN CONVERSION)**  
**P/N 283654-01**  
**QTY. 1**



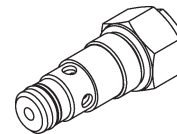
**RUN TEE, 37° FLARES (TWO), 37° SWIVEL**  
**P/N 906857-01**  
**QTY. 2**



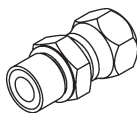
**HYDRAULIC LOCK VALVE BODY**  
**P/N 906823-01**  
**QTY. 1**



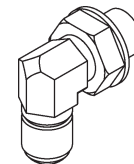
**CAVITY PLUG, 3/4"-16**  
**P/N 906799-01**  
**QTY. 2**



**RELIEF VALVE (LOWERING, 400 PSI)**  
**P/N 906738-01**  
**QTY. 2**

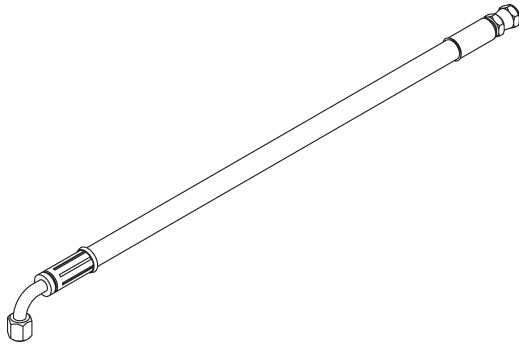


**STRAIGHT CONNECTOR,**  
**37° SWIVEL, SAE#6 O-RING**  
**P/N 906788-01**  
**QTY. 1**

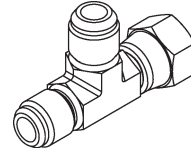


**ELBOW, 90 DEG O-RING SAE #6-JIC37 #6**  
**P/N 905152**  
**QTY. 1**

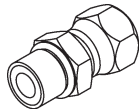
**SINGLE PUMP KIT P/N 283655-02**



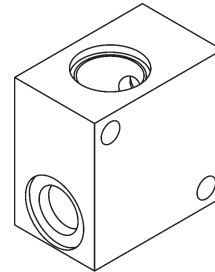
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P/N 263970  
QTY. 1**



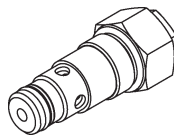
**RUN TEE, 37° FLARES (TWO), 37° SWIVEL  
P/N 906857-01  
QTY. 2**



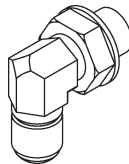
**STRAIGHT CONNECTOR,  
37° SWIVEL, SAE#6 O-RING  
P/N 906788-01  
QTY. 1**



**HYDRAULIC LOCK VALVE BODY  
P/N 906823-01  
QTY. 1**



**RELIEF VALVE (LOWERING, 400 PSI)  
P/N 906738-01  
QTY. 1**

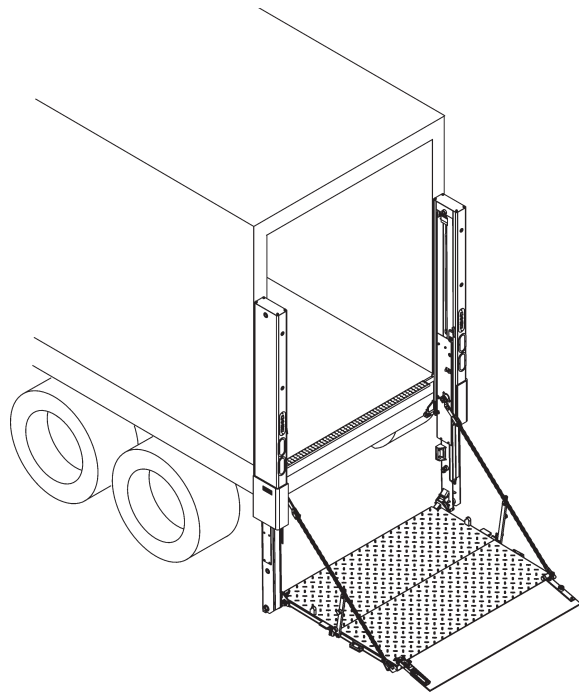


**ELBOW, 90 DEG O-RING SAE #6-JIC37 #6  
P/N 905152  
QTY. 1**



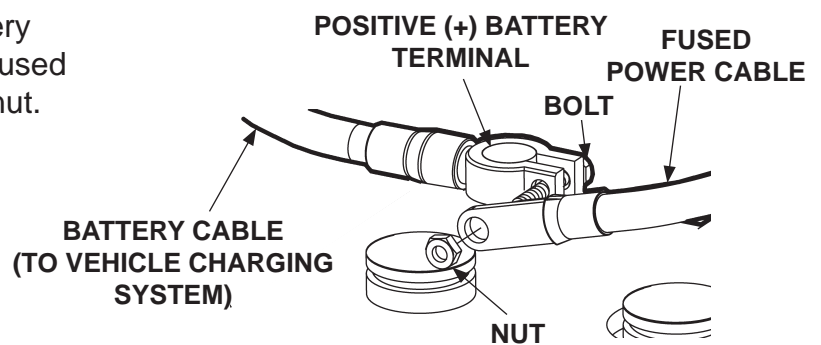
**CAVITY PLUG, 3/4" - 16  
P/N 906799-01  
QTY. 1**

1. Unfold platform and lower it to the ground as shown in **FIG 3-1**. For detailed operating instructions, refer to **BMRSD Operation Manual**.



**PLATFORM LOWERED TO GROUND**  
**FIG. 3-1**

2. Remove nut from positive (+) battery terminal connector to disconnect fused power cable (**FIG. 3-2**). Reinstall nut.

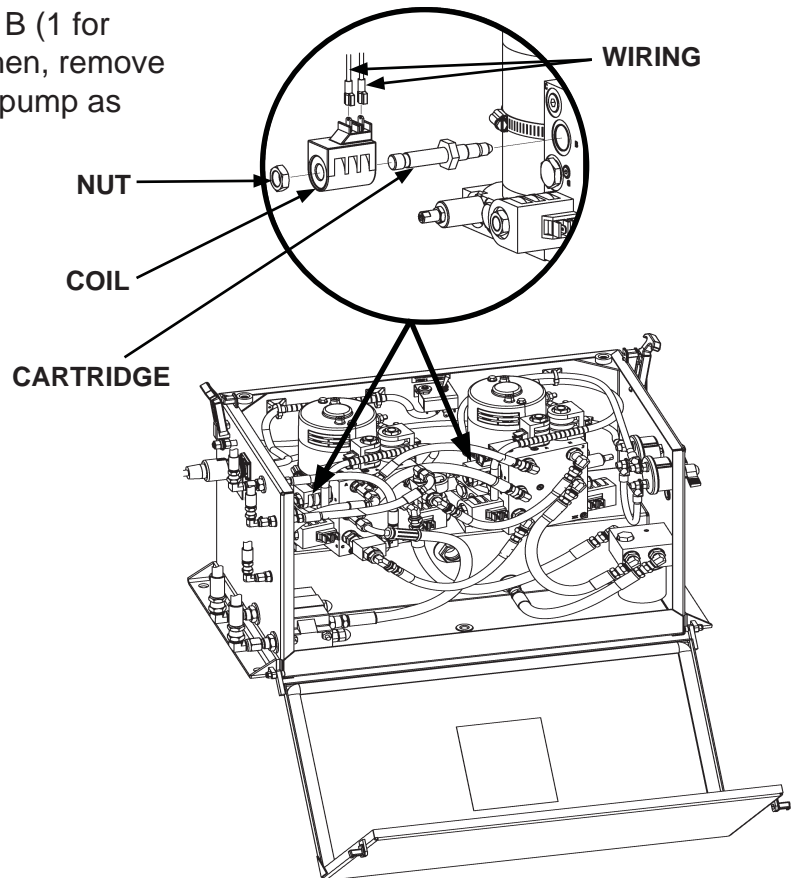


**DISCONNECTING FUSED POWER CABLE**  
**FIG. 3-2**

## CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

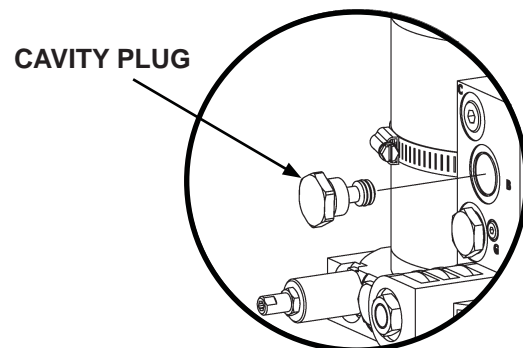
3. Disconnect wiring from each valve B (1 for single pump, 2 for dual pumps). Then, remove coil and cartridge valve from each pump as shown in **FIG. 4-1**.



**REMOVING VALVE B  
(DUAL PUMP BOX SHOWN)**

**FIG. 4-1**

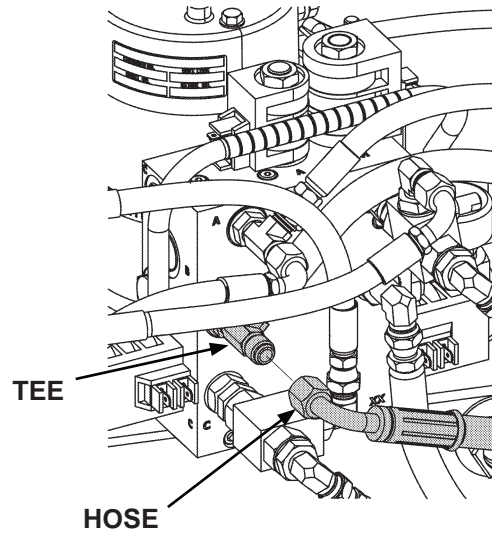
4. Use cavity plug(s) to plug hole(s) where valve(s) B was removed (**FIG. 4-2**).



**PLUGGING HOLE FROM VALVE B**

**FIG. 4-2**

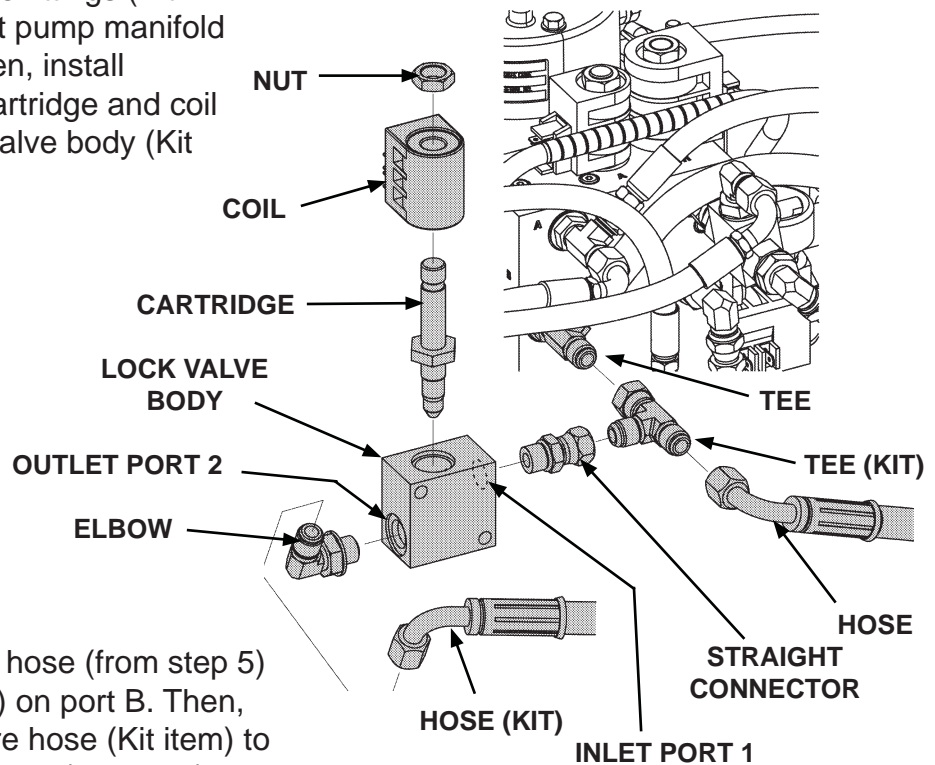
- Disconnect high pressure hose from tee fitting at port B on pump 1 manifold (**FIG. 5-1**).



**NOTE:** Leave lock valve body, hose, and fitting connections loose enough to be repositioned after all hoses and fittings are connected.

**DISCONNECTING HOSE FROM PORT B**  
**FIG. 5-1**

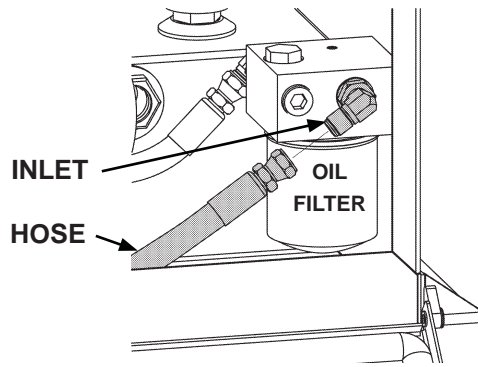
- Assemble lock valve body, elbow, straight connector, and tee fittings (Kit items) to the port B on 1st pump manifold as shown in **FIG. 5-2**. Then, install and tighten the valve B cartridge and coil (from step 3) in the lock valve body (Kit item) (**FIG. 5-2**).



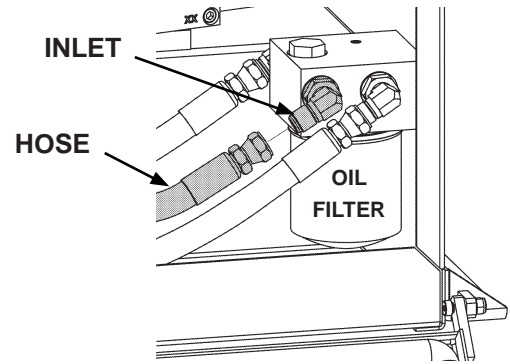
- Reconnect high pressure hose (from step 5) to new tee fitting (Kit item) on port B. Then, connect new high pressure hose (Kit item) to elbow fitting on the lock valve (Kit items) as shown in **FIG. 5-2**.

**CONNECTING LOCK VALVE**  
**FIG. 5-2**

8. Disconnect high pressure hose from inlet fitting on the oil filter head (**FIGS. 6-1 and 6-2**).  
Next, connect tee fitting (Kit item) to inlet on the oil filter (**FIGS. 6-1 and 6-2**).

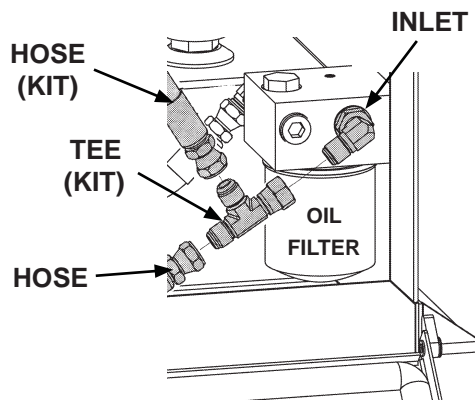


**DISCONNECTING HOSE  
(SINGLE PUMP BOX SHOWN)  
FIG. 6-1**

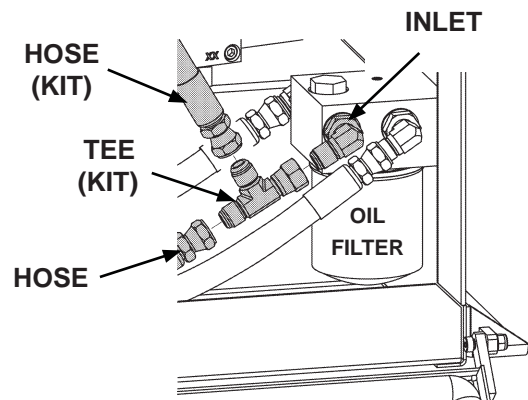


**DISCONNECTING HOSE  
(DUAL PUMP BOX SHOWN)  
FIG. 6-2**

9. Reconnect high pressure hose (from step 8) to new tee fitting (Kit item) on oil filter inlet (**FIGS. 6-3 and 6-4**). Then, connect new high pressure hose (Kit item) as shown in **FIGS. 6-3 and 6-4**.



**CONNECTING TEE & HOSES  
(SINGLE PUMP BOX SHOWN)  
FIG. 6-3**

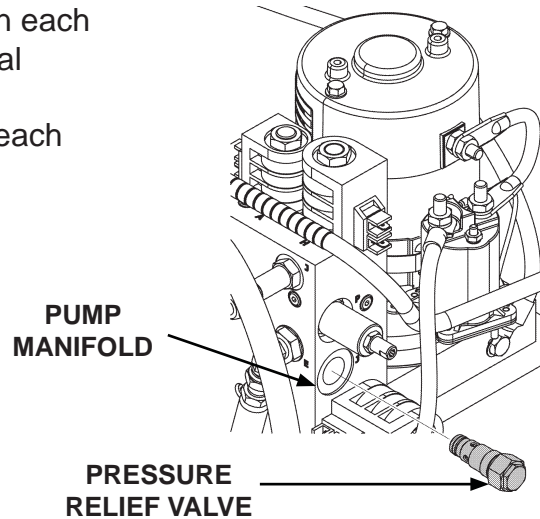


**CONNECTING TEE & HOSES  
(DUAL PUMP BOX SHOWN)  
FIG. 6-4**

## CAUTION

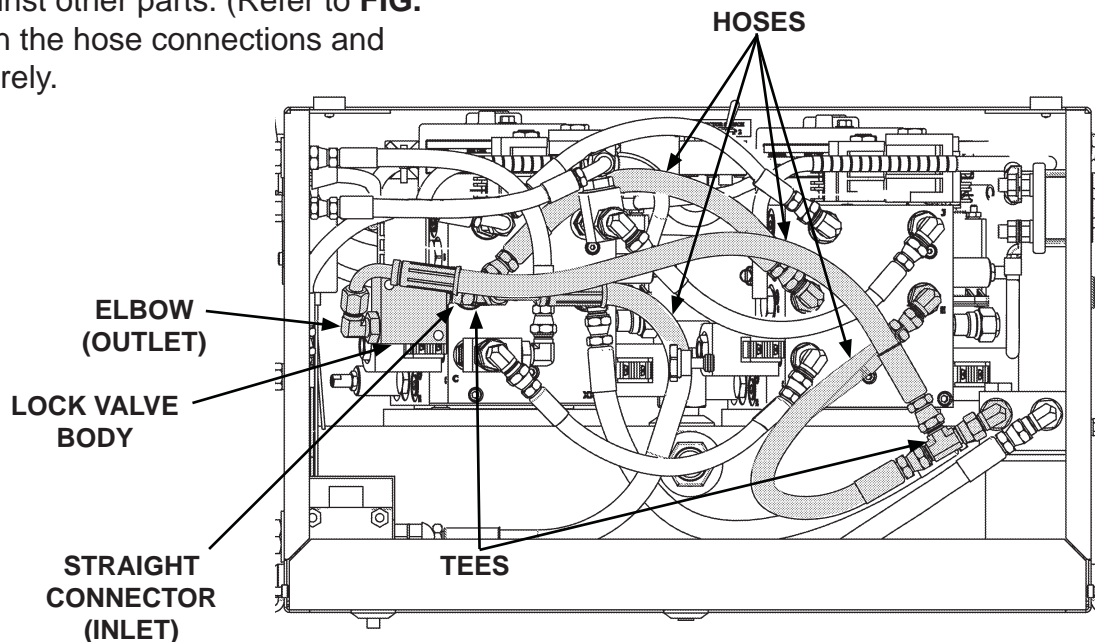
Incorrect tightening of the pressure relief valve and solenoid valve B could result in a leaky or damaged valve, or a damaged coil. To prevent leaks or damage, torque each valve cartridge to 30 lb-ft and coil nut from 15-to-30 lb-in.

10. Remove pressure relief valve from port J on each pump manifold (1 for single pump, 2 for dual pumps). Then, install and tighten new pressure relief valve (Kit item) in port J on each pump manifold as shown in **FIG. 7-1**.



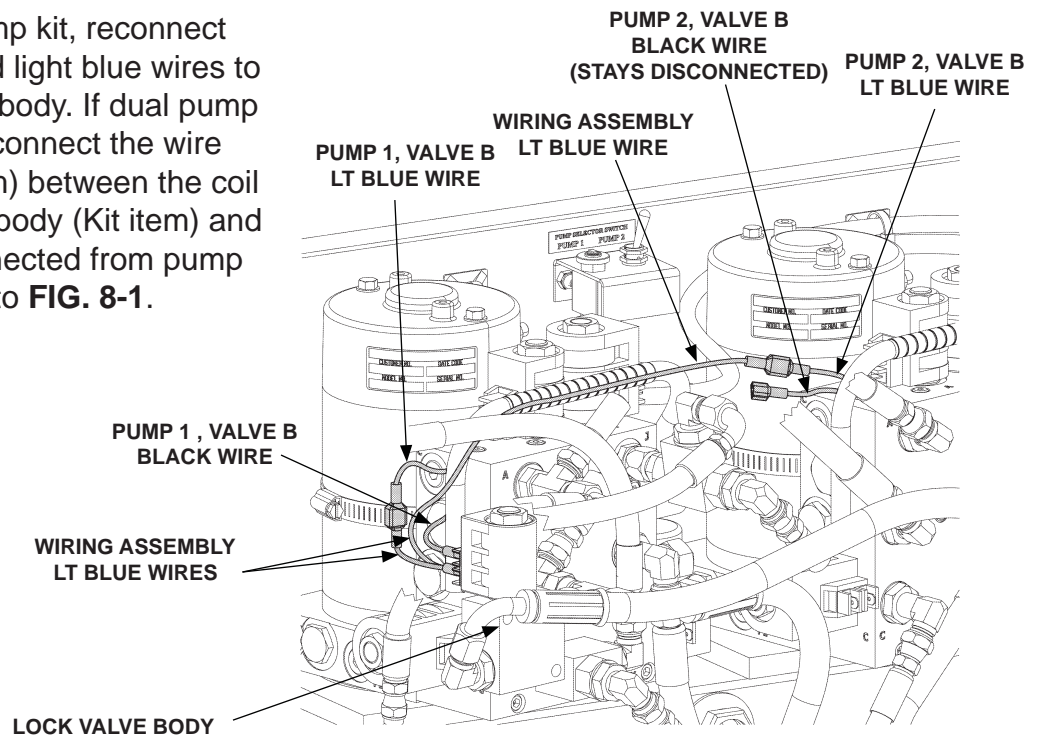
**INSTALLING NEW RELIEF VALVE  
FIG. 7-1**

11. Reposition the 4 high pressure hoses, 3 tees, and lock valve body fittings as necessary to prevent interference and hoses from chafing against other parts. (Refer to **FIG. 7-2**.) Tighten the hose connections and fittings securely.



**HOSE & FITTING CONNECTIONS TO REPOSITION &  
TIGHTEN (DUAL PUMP BOX SHOWN)  
FIG. 7-2**

12. For the single pump kit, reconnect the black wire and light blue wires to coil on lock valve body. If dual pump kit was installed, connect the wire assembly (Kit item) between the coil on the lock valve body (Kit item) and the wiring disconnected from pump 2, valve B. Refer to **FIG. 8-1**.



**CONNECTING WIRING ASSEMBLY  
(DUAL PUMP ONLY)  
FIG. 8-1**

13. Check hydraulic fluid level. Refer to **BMRSD maintenance manual** for instructions.