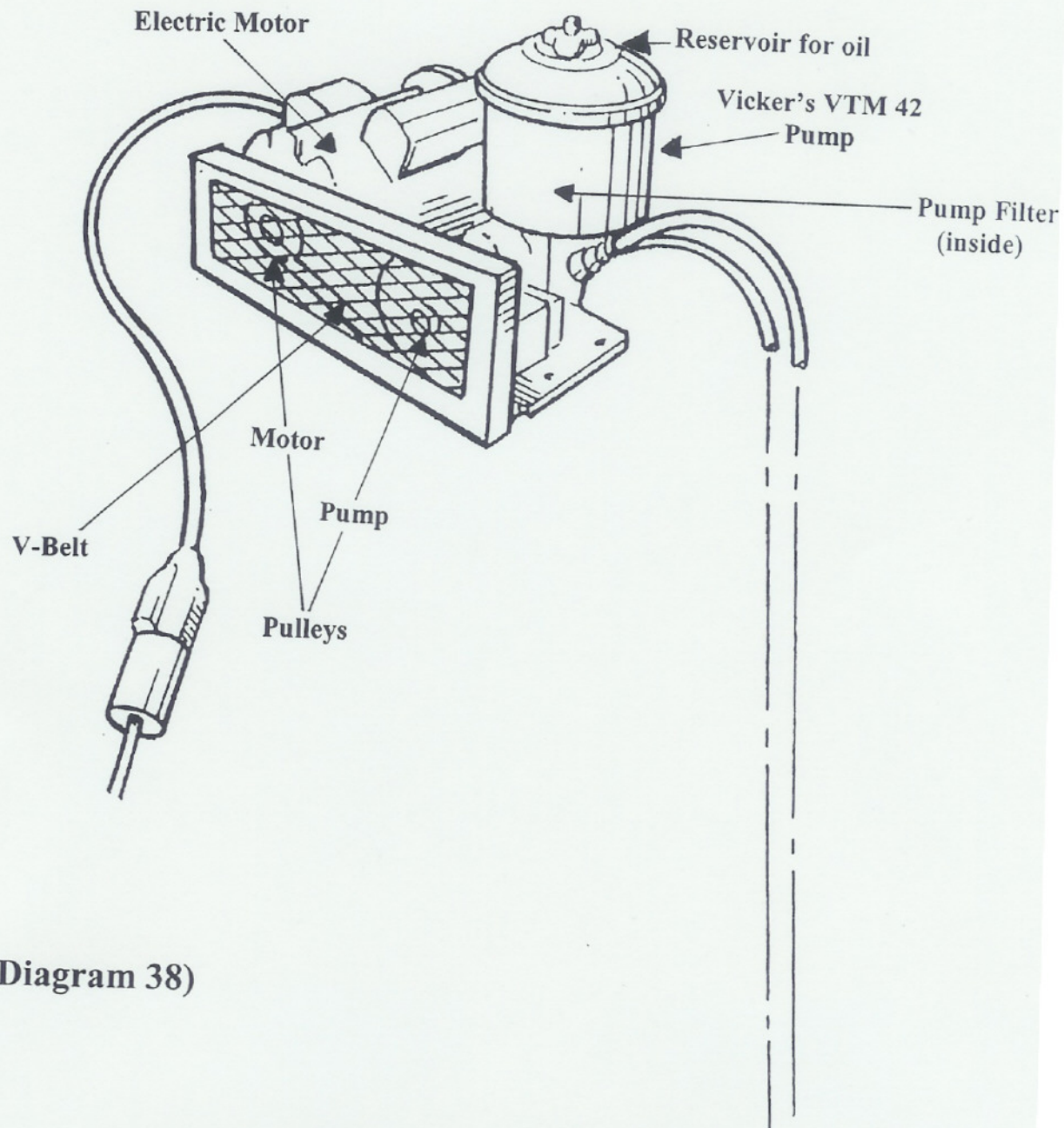


## PROCEDURE TO FLUSH HYDRAULIC OIL

Please read completely before proceeding.

1. Remove the targets from the machine.
2. Turn the machine on, press the RIGHT oscillation button and oscillate all the way to the right until the cylinder bottoms-out.
3. Leave the throw arm in the cocked position and turn the machine off.
4. Stand clear of the throw arm and disconnect the return-line hose (the bottom coupling).
5. A male coupling with three or four feet of hose now needs to be connected to the bottom coupling to direct the flow of oil into a pail.
6. The throw arm should still be in the cocked position. Turn the pump on and run until drained. Then, take the disconnected return-line hose and hold at full length above the pump and depress the ball valve to drain the oil from the hose. NOTE: You need to use the tip of your thumb or a screwdriver when depressing the ball so that the hose isn't blocked.
7. Leaving the throw arm in the cocked position, turn off the pump.
8. Fill the tank with new oil. USE --- MOBIL 1: OW-20.
9. The next steps require having the pull cord release switch in your hand. First, turn the on/off/release switch ON.
10. Depress the pull cord button.
11. Turn the pump switch ON. The throw arm will fire and the turret will index.
12. Turn OFF the pump switch IMMEDIATELY when the throw arm has re-cocked.
13. Press the LEFT oscillation button and hold *in* while turning the pump switch ON. As soon as the cylinder bottoms-out, turn the pump OFF.
14. Re-connect the return-line hose. (See instruction 4)
15. The machine is now full of oil. Fill the tank to within one inch of the top.

## PUMP MOTOR MAINTENANCE



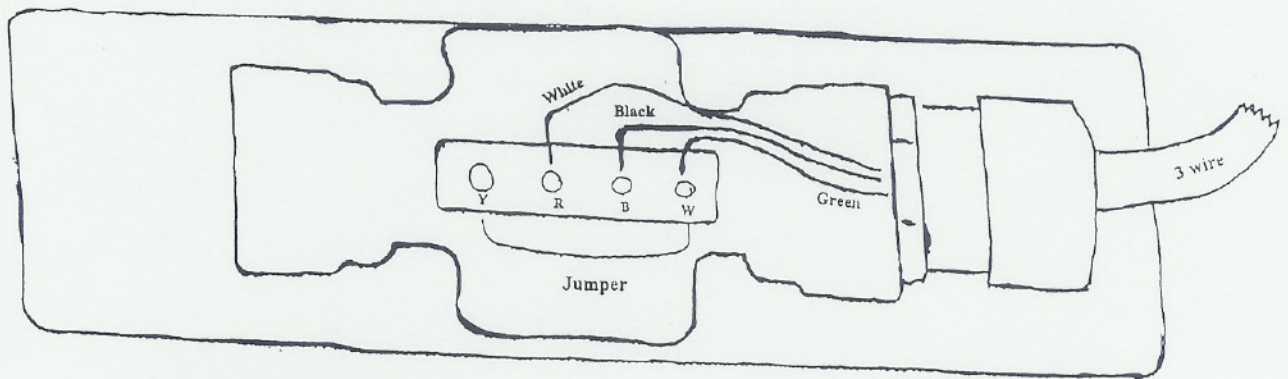
(Diagram 38)

For pump motor fluid use: Mobil 1: O-W-20

# OSCILLATION SOFT SHIFT VALVE WIRING GUIDE Up to Serial # 2609

The top valve on a standard PAT-TRAP®  
The top *and* bottom valves on a PAT-TRAP® WOBBLE  
(The middle valve on the Wobble is NOT a soft shift valve)

The guide for wiring the Soft Shift Valve on a PAT-TRAP® is as pictured:



Parker Soft Shift Valve

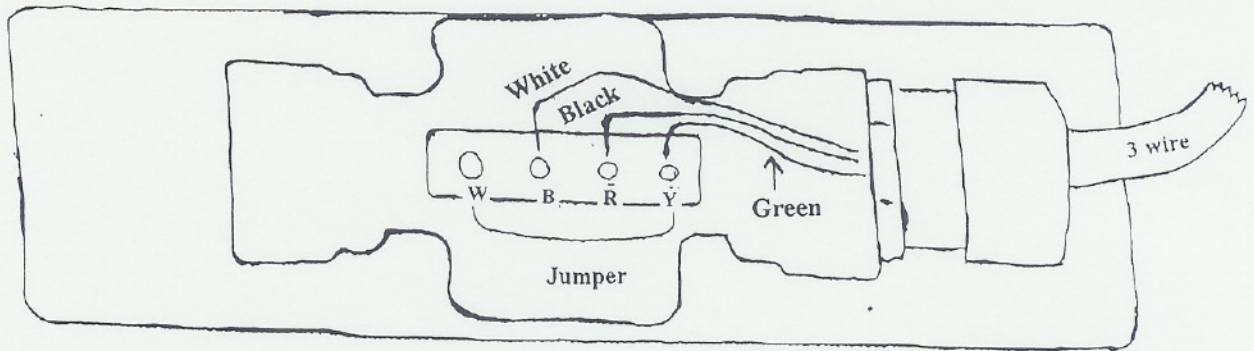
(Diagram 45)

1. The Black Wire goes to the Black terminal
2. The White Wire goes to the Red terminal
3. The Green Wire goes to the White terminal
4. The Jumper Wire goes from the Yellow terminal to the White terminal

# OSCILLATION SOFT SHIFT VALVE WIRING GUIDE From Serial # 2610 .....

The top valve on a standard PAT-TRAP®  
The top *and* bottom valves on a PAT-TRAP® WOBBLE  
(The middle valve on the Wobble is NOT a soft shift valve)

The guide for wiring the Soft Shift Valve on a PAT-TRAP® (beginning with PAT-TRAP® #G2610) is as pictured:



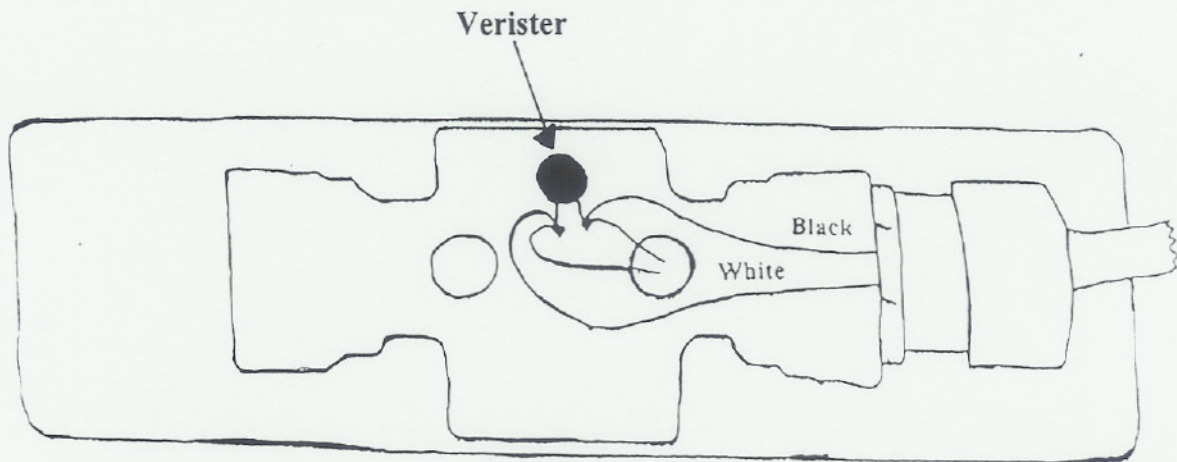
Parker Soft Shift Valve

(Diagram 58)

1. The Black Wire goes to the Red terminal
2. The White Wire goes to the Black terminal
3. The Green Wire goes to the Yellow terminal
4. The Jumper Wire goes from the Yellow terminal to the White terminal

# THROW ARM/TURRET VALVE WIRING GUIDE "G" Series

The bottom valve on a standard PAT-TRAP®  
The middle valve on a PAT-TRAP® WOBBLE



Parker Standard

(Diagram 43)

**NOTE:** *Release the throw arm and turn off the machine.*