

# PSF 234 Power Steering Flush Operation Manual

The PSF 234 consists of two separate systems.

System One is used for power steering systems with a remote oil tank where the oil does not circulate through the tank continuously.

System Two is used for power steering systems with tank and pump together, and where the oil circulates continuously through the oil tank.

## SYSTEM 1 INSTRUCTIONS:

### To Fill New Oil

- 1) Pour new oil into the clear oil tank. If using a conditioner pour it into the tank first
- 2) Turn diverter valve to EXCHANGE FILL/DRAIN
- 3) Couple the two blue hoses (System One & System Two) together with an adapter. Connect an open end hose adapter to the black hose (System 1) and place it into the plastic bottle under the machine.
- 4) Connect the power cord to a 12 volt DC battery (RED +, BLACK -), the SERVICE FINISHED light will come on.
- 5) Turn on the NEW OIL switch, turn it off when the NEW OIL TANK FULL light comes on. This is how the used oil is discarded after every service.

### To Perform a Service with System One

- 1) **NOTE:** It is important to first turn the diverter valve to the circulate position.
- 2) Lift the vehicle up with a hoist. Locate the hose return line on the power steering pump. Attach an open end 3/8" hose adapter to the BLACK HOSE (USED OIL system one) on System 1. On the vehicle's power steering pump, clamp the return line with hose pinch pliers. Disconnect the hose from the steel line attached to the power steering rack. Place your finger at the end of the steel line while attaching the 3/8" open end hose adapter to the steel line. Connect a 5/16" or 3/8" steel adapter to the hose attached to the power steering pump, make sure to use hose clamps.
- 3) Drain out approx. 350 ml (12 oz) of used oil from the pump. Fill power steering reservoir with power steering cleaner.
- 4) Connect the BLUE (NEW OIL system one) hose to the hose adapter connected to the return line on the pump.



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## **SYSTEM 1 INSTRUCTIONS** **CONTINUED**

5) Make sure the diverter valve is turned to the circulate position. Start the vehicle and make sure that there are no leaks. Turn the steering wheel from left to right 10 – 12 times for the cleaner to clean well. Turn the steering wheel all the way to the left. Turn the vehicle OFF.

6) Drain out approx. 300 ml (12 oz) to get the cleaner out. Fill the power steering reservoir with new oil using the BLUE hose on System Two.

7) Turn the diverter valve to the EXCHANGE position. Start the vehicle and quickly turn the steering wheel to the right and back to the left a few times.

8) When the SERVICE FINISH light comes on, turn off the vehicle and turn the diverter valve back to the CIRCULATE position

9) Disconnect the lines using hose pinch pliers and reattach the return line using the new hose clamps. Top up if necessary.

10) To empty the used tank use the procedure described in points 1 – 5 “To fill new oil”

After service you **MUST** test drive vehicle and **THEN** check fluid levels once again.

## **SYSTEM 2 INSTRUCTIONS**

### **TO PERFORM A SERVICE WITH SYSTEM 2:**

1) Pour new oil into the oil tank. If using a conditioner pour it into the tank first.

2) Connect the power cord to a 12 volt DC battery (RED + BLACK -), the SERVICE FINISHED LIGHT WILL COME ON.

3) Attach the TWO clear hose adapters to System Two.  
- longer hose to the BLUE NEW OIL hose;  
- shorter hose to the BLACK USED OIL hose. If using a cleaner – place the shorter clear hose into the Power steering oil tank and pump out sufficient amount of fluid for the cleaner fluid by turning on the USED OIL switch. Then add the cleaner into the reservoir.

4) Place the black hose under the machine into the clear plastic bottle.

5) Start the engine and turn steering wheel 12 times both directions. Leave steering wheel turned to the left.

6) Place BOTH clear hoses into the Power steering pump tank. Turn on both switches (new and used) at the same time ( you may have to turn off the new or used fluid switch during the exchange ). Turn them off when there is about 4 – 6 oz. left of new fluid in the container for top up.

After service you **MUST** test drive vehicle and **THEN** check fluid levels once again.

# **Technical Support Line Toll Free 1-888-467-4142**