

# Operation Overview

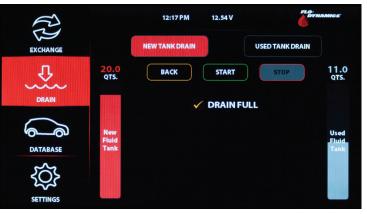
### TRANSMISSION FLUID X-CHANGER w/ DIPSTICK MODE

### **TOUCH SCREEN MODES**

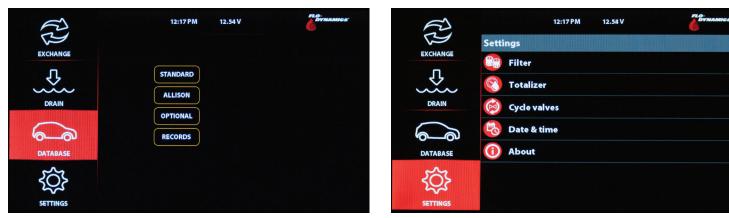
The machine has four basic modes which can be selected by pressing the icons on the left.



**EXCHANGE MODE** 



### **DRAIN MODE**



### **DATABASE MODE**

## SETTINGS MODE

# **SETTINGS OVERVIEW**

### FILTER

Check or reset filter usage.

### **TOTALIZER** Shows the total number of quarts exchanged with the machine.

**CYCLE VALVES** Manually cycles the machine's valves.

### **DATE & TIME** Set the date and time.

#### ABOUT

Shows the model, serial number, software version, and build date.

# **PRIMING THE MACHINE**

The machine must be primed before performing an exchange for the first time, after a filter change, or after fully draining the fluid tanks.



Connect the battery cables to the vehicle's battery.



Make sure there is fluid in the new fluid tank. Connect the red & black service hoses together using any two mating adapters. With **EXCHANGE** mode selected, press **MACHINE PRIME**. Press **START** to begin priming.



# **TSD450** Operation Overview

### TRANSMISSION FLUID X-CHANGER w/ DIPSTICK MODE

# **CONNECTING TO THE VEHICLE**



### **INLINE EXCHANGE**

Connect appropriate adapters to vehicle's cooler line fittings. Connect red & black service hoses to quick disconnect adapters on ends of cooler line adapters.



### **DIPSTICK EXCHANGE**

Connect red and gray service hoses to chrome manifold. Insert nylon tube down dipstick tube the same length as dipstick, being careful not to insert too far.

# **PERFORMING AN EXCHANGE**

With EXCHANGE mode selected, press either INLINE EXCHANGE or DIPSTICK EXCHANGE depending on the type of service being performed.

Use the arrow buttons under **EXCHANGE AMOUNT** to set the number of quarts to be exchanged.

If cleaning chemicals are being added, select 5 or 10 minutes under **CLEANING TIME**. (The cleaning feature delays the beginning of the flush to allow cleaning chemicals to circulate.)

Check the **Filter Change** box if the transmission's filter will be changed (Dipstick exchange only).

Press **START** and follow the on-screen instructions.

If needed, press **PAUSE** while running to pause the exchange. Press **START** to resume. To cancel the exchange, press **STOP**.

Check the fluid level when the exchange is complete.

Use the fluid bottle icons on the bottom of the screen to add or remove fluid in 1/4 qt. or 1 qt. increments.



# **POWER FAILURE MEMORY**

If there is a power failure during a fluid exchange, the procedure can be continuted seamlessly.

Simply reconnect the battery cables, and press Resume. The exchange will resume where it left off.

# **FILTER CHANGE**



The machine will indicate when the canister filters need to be replaced.

Remove service panel. Use a standard filter band clamp tool to unscrew old filters, and replace them with new filters. Make sure new filters are on tight.

IMPORTANT: Machine must be primed after filter change.

# **DRAINING THE TANKS**



Connect any open end adapter to the red hose & insert into an appropriate disposal container. **Make sure all other hoses are disconnected!** 

With **DRAIN** mode selected, press **NEW TANK DRAIN** or **USED TANK DRAIN** depending on which tank you will be draining, and press **START**. To *fully* drain the new fluid tank before changing to a new fluid type, check the **DRAIN FULL** box before starting. **The machine should be primed after a full tank drain.**