Quick Start Instructions

**TSD450**

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

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**DIPSTICK Exchange**

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**CONNECTION**

Connect battery cables to vehicle’s battery.

Press **2** for Dipstick Exchange

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**OPERATION**

Connect red and gray service hoses to chrome manifold.

Insert nylon tube down dipstick tube the same length as the dipstick, being cautious not to insert too far.

With the engine off, use the arrow keys **▲ ▼** to select the desired amount to be exchanged.

Press **ENTER RESUME** to proceed. Press again to begin exchange.

Start the vehicle’s engine when display prompts you to do so.

Press **ENTER RESUME**. Once exchange is finished the screen will beep and display “Complete”.

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**ADDITIONAL FEATURES**

If needed, while running, pressing once will pause the machine. Press **ENTER RESUME** to resume from pause, or press a second time to cancel the exchange.

Check the fluid level. Press **+** or **-** to add or remove fluid in 2/10 of a quart increments. Use option 3 in the main menu to add a full quart and option 4 to remove a full quart.

Press **0** to return to the main menu.
**Quick Start Instructions**

## IN-LINE Exchange

### CONNECTION

Connect battery cables to vehicle’s battery.

Press 1 for Inline Exchange

### OPERATION

Connect appropriate adapters to vehicle’s cooler line fittings.

Connect red and black service hoses to quick disconnect adapters on the end of the cooler line adapters.

Use the arrow keys ▲ ▼ to select the desired amount to be exchanged. Press ENTER START RESUME to proceed. Turn vehicle’s engine on.

Press ENTER START RESUME to begin the exchange.

Once exchange is finished the screen will beep and display “Complete”.

### ADDITIONAL FEATURES

If needed, while running, pressing STOP PAUSE once will pause the machine. Press ENTER START RESUME to resume from pause, or press a second time to cancel the exchange.

Check the fluid level. Press + or − to add or remove fluid in 2/10 of a quart increments. Use option 3 in the main menu to add a full quart and option 4 to remove a full quart.

Press 0 to return to the main menu.
**Quick Start Instructions: Additional Functions**

### MAIN MENU

- **Connect battery cables to vehicle’s battery.**

### PRIMING THE MACHINE

- Make sure there is fluid in the New Fluid Tank. Connect the Red and Black service hoses together using any two mating adapters.

  - Press **5**. Press ** ENTER** to begin the process.
  - The unit will shut off when complete.

### DRAINING THE TANKS

- Connect any open end adapter to **red hose** and insert into appropriate disposal container.

  - **Make sure all other hoses are disconnected!**

  - From the Main Menu, press **6** to proceed to the next menu.
  - Press **7** to drain the **New Fluid Tank**. Press ** ENTER** to drain the **Used Fluid Tank**. Press ** ENTER** to begin the process.
  - The unit will shut off when complete.

### VOLTAGE MONITOR

- From the Main Menu, press **8** to proceed to the next menu.

  - Press **TUV** to display the voltage.
**Halted: Reverse Hoses**

If the exchange stops and the display reads “Reverse Hoses”, turn vehicle off, switch the red and black service hoses, restart vehicle, and press .

**Halted: Shift to Neutral**

If the exchange stops and the display reads “Shift to Neutral”, set the vehicle’s parking brake, shift to Neutral, and press .

**Filter Change Due**

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.

**Total Filter Use**

From the Main Menu, press twice. Press to display the total filter use. Press to reset.

**Power Failure Memory**

If there is a power failure during a transmission fluid exchange, the procedure can be continued seamlessly. Simply reconnect the battery cables, and press . The exchange will resume where it left off.

**Cycle Valves**

From the Main Menu, press to proceed to the next menu. Press to cycle the valves.
**Cleaning Feature**

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**DIPSTICK Exchange**

**CLEANING OPERATION**

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

**NOTE:** This machine is fully interactive. Always follow the on-screen instructions.

Use the arrow keys ▲ ▼ to select the desired amount to be exchanged.

Press ENTER to proceed.

Press 1 for No Cleaning, 2 for 5 Minute Cleaning, or 3 for 10 Minute Cleaning.

Press ENTER to begin exchange.

When cleaning process is complete, shut off engine and press ENTER to continue!

Start the vehicle's engine when display prompts you to do so. Press ENTER.

Once exchange is finished the screen will beep and display “Complete”.

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**INLINE Exchange**

**CLEANING OPERATION**

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

**NOTE:** This machine is fully interactive. Always follow the on-screen instructions.

Use the arrow keys ▲ ▼ to select the desired amount to be exchanged.

Press ENTER to proceed.

Press 1 for No Cleaning, 2 for 5 Minute Cleaning, or 3 for 10 Minute Cleaning.

Press ENTER to begin exchange.

Start the vehicle's engine when display prompts you to do so. Press ENTER.

Once exchange is finished the screen will beep and display “Complete”.

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