

FEATURES

- Uses Level 10 Hydrosystem™ Technology
- Reduces transmission heat build-up and wear
- Improves reverse engagement
- Improves shift feel
- Dual application kit:
 - RV's, Sport Utilities, or vehicles used for towing or carrying heavy loads.
 - High performance street/strip vehicles. Needed when installing supercharger or high-horsepower engine.

NOTICE

- This is NOT a repair kit! The transmission must be in good working order prior to installation.
- These instructions are designed for use by individuals who are familiar with the proper procedures for disassembly, repair, and reassembly of the E4OD transmission.
- **Work safely!** Wear safety glasses and support the vehicle properly on a lift or by using jackstands.
- **Overheating** causes 9 out of 10 transmission failures.

INSTALLATION INSTRUCTIONS

NOTE: Installation of the Valve Body Calibration Kit (Steps 2 - 4 and 6 - 9) is very simple and may be performed with the transmission in the vehicle. To completely optimize the shifting, the optional modifications (Detailed in Step 5) should be performed. As you disassemble the Valve Body, keep track of which bolts came from where - they are of different lengths! **Installation of a bolt of the wrong length will cause SEVERE damage to the transmission.**

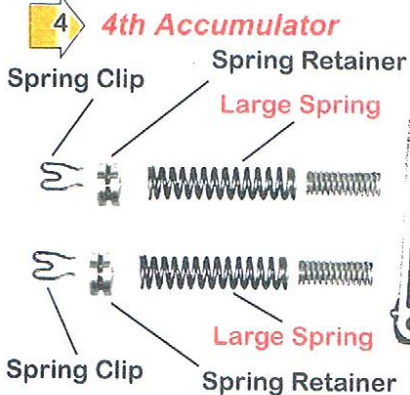
TOOLS: Other than normal hand tools, you will need an 8mm socket, a 10mm socket, an inch-pound torque wrench (set to 80 inch pounds!) and a bent paper clip (to remove the spring clips in Steps 3 and 4!).



1 Allow the transmission to cool down. Drain the fluid and remove the pan and the filter. **Be careful you don't get a fluid bath!**

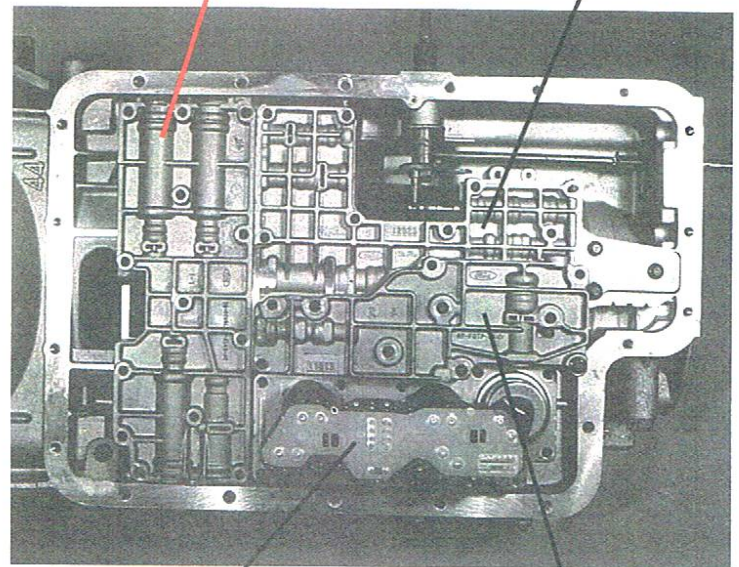
2 Referring to the figure to the right, remove the **Accumulator Valve Body**.

3 Remove the Spring Clip that retains the Line Pressure Modulator valve, remove and discard the original Valve Housing and Valve. This Kit contains two Valve Housings and matching Valves. For vehicles used for towing or carrying heavy loads, install the **SMALL (3/8 in. dia.)** Valve Housing and Valve. For high-performance street/strip vehicles, install the **LARGE (1/2 in. dia.)** Valve Housing and Valve - **VERY FIRM SHIFTS!** Reinstall the Spring Clip.



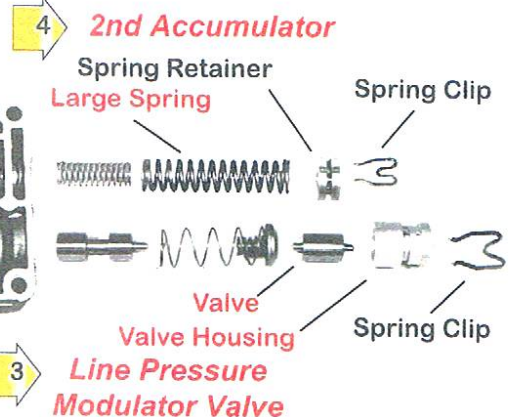
4 **3rd/Reverse Accumulator**

2 **Accumulator Valve Body** Main Valve Body



Solenoid Assembly Auxiliary Valve Body

4 To act as a "handle", thread one of the bolts that you removed from the Accumulator Valve Body into the 2nd Accumulator Spring Retainer (finger-tight is sufficient - do NOT overtighten); remove the Spring Clip that retains the 2nd Accumulator; remove the Spring Retainer and the two springs; discard the **LARGE original Spring**; install the provided new **LARGE Spring** (Orange Color) and the original Small Spring; reinstall the Spring Retainer and the Spring Clip; remove the bolt from the Spring Retainer. Repeat this Step for the 4th Accumulator and the 3rd & Reverse Accumulator.



3 **Line Pressure Modulator Valve**

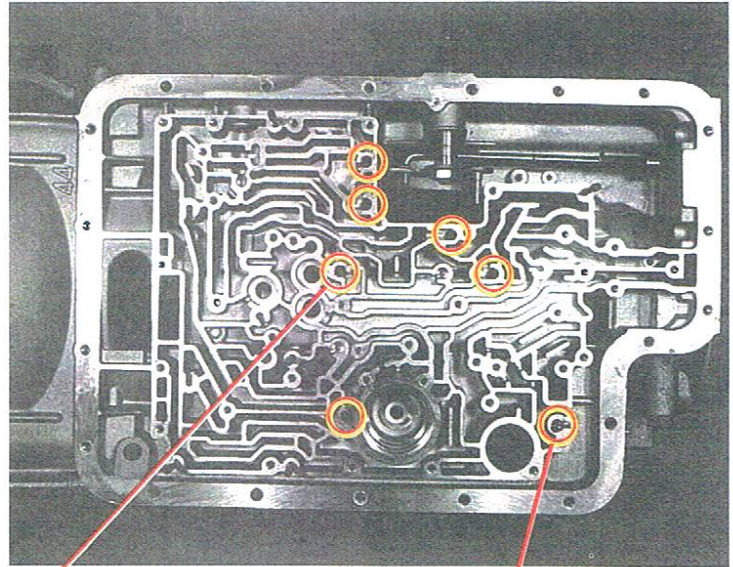
LEVEL 10 PRODUCTS

188 ROUTE 94 • HAMBURG • NJ • 07419

Tech Hot Line 973-827-1000

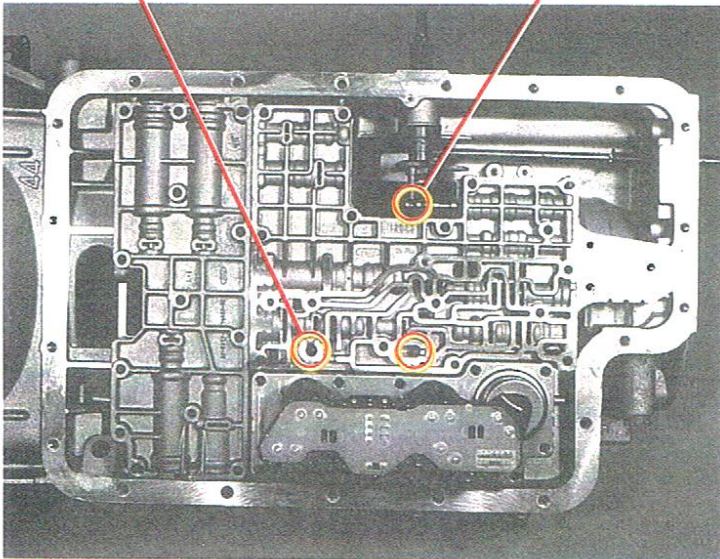
www.levelten.com

5 **OPTIONAL (For Quicker and Firmer Downshifts):** Remove the Solenoid Assembly, Auxiliary Valve Body, Auxiliary Separator Plate (2 Checkballs are under this plate), Main Valve Body, and the Main Valve Body. Install many as 14 Checkballs and a small Steel Ball and a small dab of grease. **DO NOT USE** Checkballs (6) and the Check Valve (Spring & Steel Ball) in the hole first, with the Steel Ball (1) (outside) below, install the valve Body. Be sure to engage the manual valve! Using a SMALL dab of grease, install the 2 Checkballs in the figure below. Install the Auxiliary Separator Plate, the auxiliary Valve Body, and the Solenoid Assembly. All bolts should be torqued to 80 inch pounds!

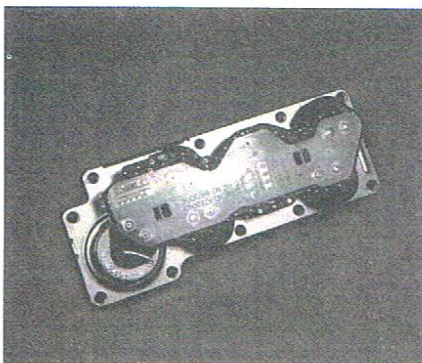


Checkball (6) Check Valve (Spring & Steel Ball)

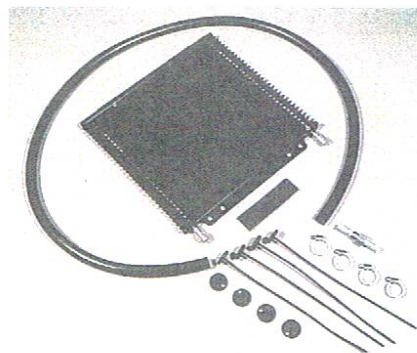
Checkball (2) Engage Manual Valve



- 6** Install the modified Accumulator Valve Body. All bolts should be torqued to 80 inch pounds!
- 7** Install the filter. To further protect your transmission, we suggest that you install a new Level 10 Filter (if the rubber seal from the old filter is still stuck in the valve body, remove it first!). Install the pan, using the supplied gasket.
- 8** Add six (6) quarts of ATF and a container of Level 10 Concentrate or use Level 10 High Performance ATF. Start the engine - check for leaks and check the fluid level
- 9** Road test the vehicle and *Feel the Difference™*. Be sure to check for leaks and check the fluid level again, as soon as the transmission warms up.



The Level 10 E4OD Solenoid will optimize the Electrical Response of the transmission! This works in harmony with the optimization of the Hydraulic Response that this Level 10 Hydrosystem™ Valve Body Calibration Kit provides.



If you haven't already installed a Level 10 Transmission Cooler, now would be a good time to do it! Excess heat causes 9 out of 10 transmission failures!



To further protect the transmission, install a Level 10 High Flow, High Efficiency Filter.



To provide the utmost protection for your transmission, use Level 10 ATF or Level 10 Transmission Concentrate!

LEVEL 10 PRODUCTS
 188 ROUTE 94 • HAMBURG • NJ • 07419
 Tech Hot Line 973-827-1000 www.levelten.com