

# THM 4L60-E TROUBLE CODE P1870

COMPLAINT: Some vehicles may consistently return, before and/or after rebuild, with "Check Engine"

lamp illuminated and trouble code P1870, (Internal Component Slipping), stored in memory.

**CAUSE:** The cause is usually Torque Converter Clutch slippage, created by a badly worn valve body

casting in the Converter Clutch Regulator Valve bore.

**CORRECTION:** Sonnax manufactures two different kits to repair the current valve body castings, both of which require a reamer, also available from Sonnax. One of the kits, Sonnax part number 77754-03K, fits 1993 thru 1997 model transmissions, but they require different assembly processes. Refer to Figure 1 for the 1994-1994 models and Figure 2 for the 1995-1997 models, for the proper assembly. The other kit, Sonnax part number 77754-04K, fits only the 1998 and later ECCC models, as it is a different calibration. Refer to Figure 3 for proper assembly of the 1998 and later models. The reamer required is the same for either kit and is

*Special Note:* The difference between the kits are as follows;

available under Sonnax part number 77754-R2.

1993-1997 Models, The TCC Regulator Valve is .398" in diameter, which is .042" smaller than the Isolater Valve, for improved rate of apply.

1998-Up Models, The TCC Regulator Valve is .440" in diameter, which is the same diameter as the Isolater Valve, and is *not recommended* for the earlier models.

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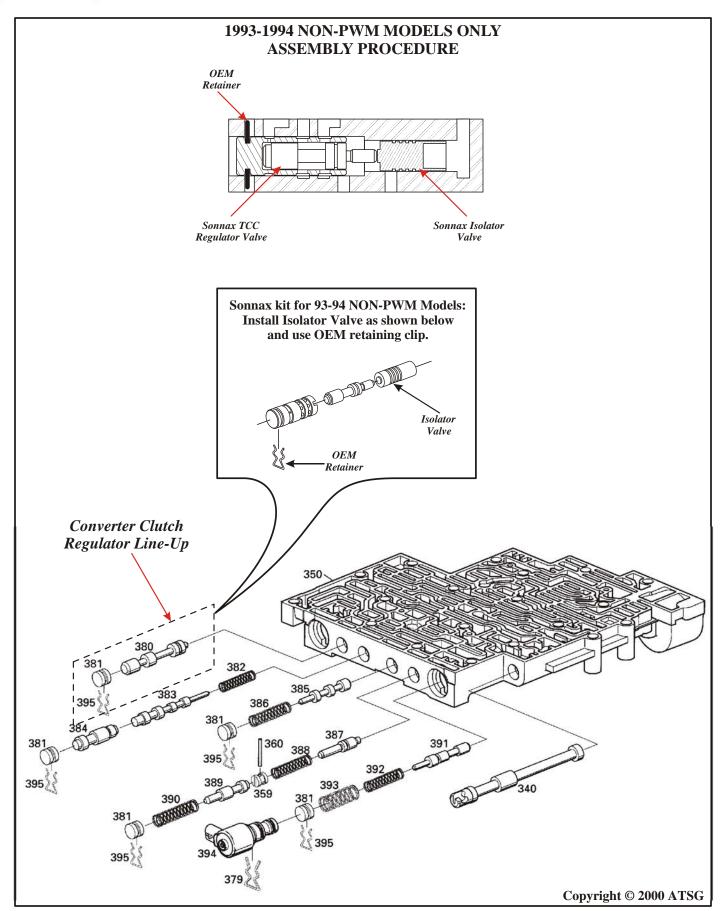


Figure 1
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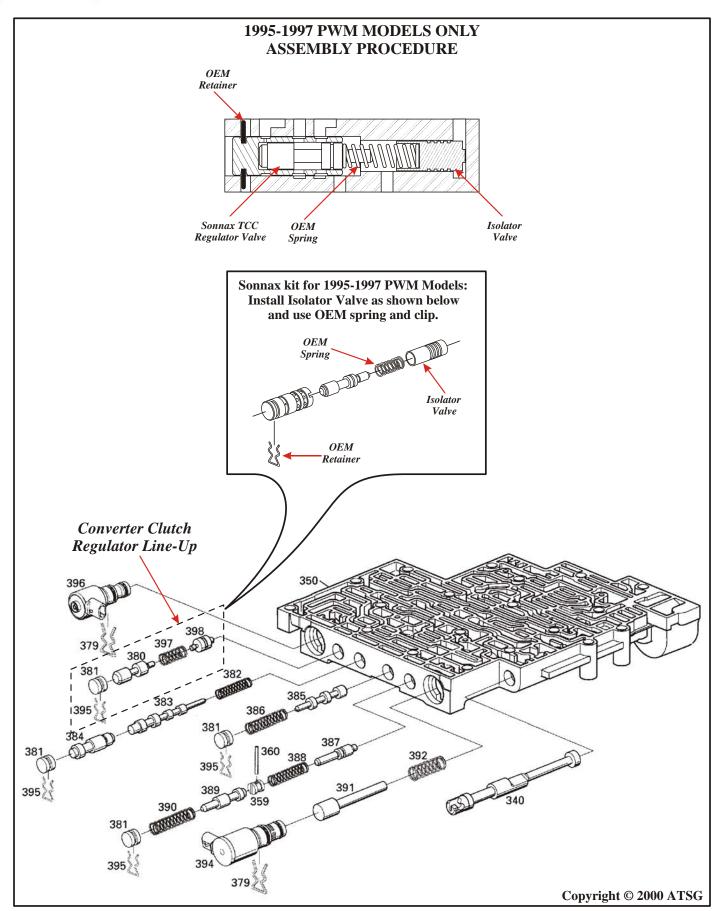


Figure 2



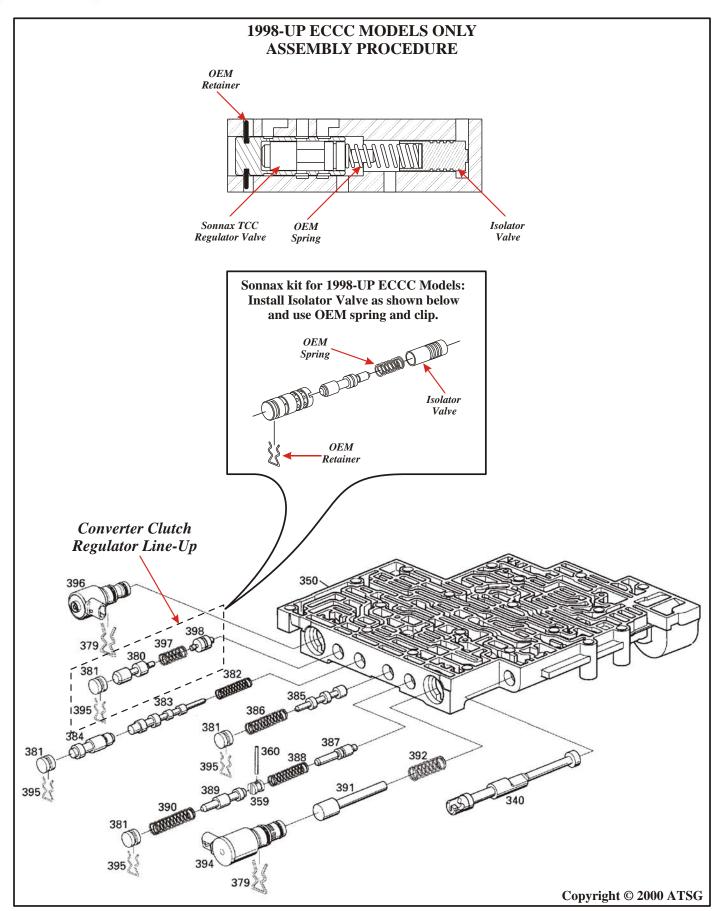


Figure 3
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