



Technical Service Information

THM 440-T4

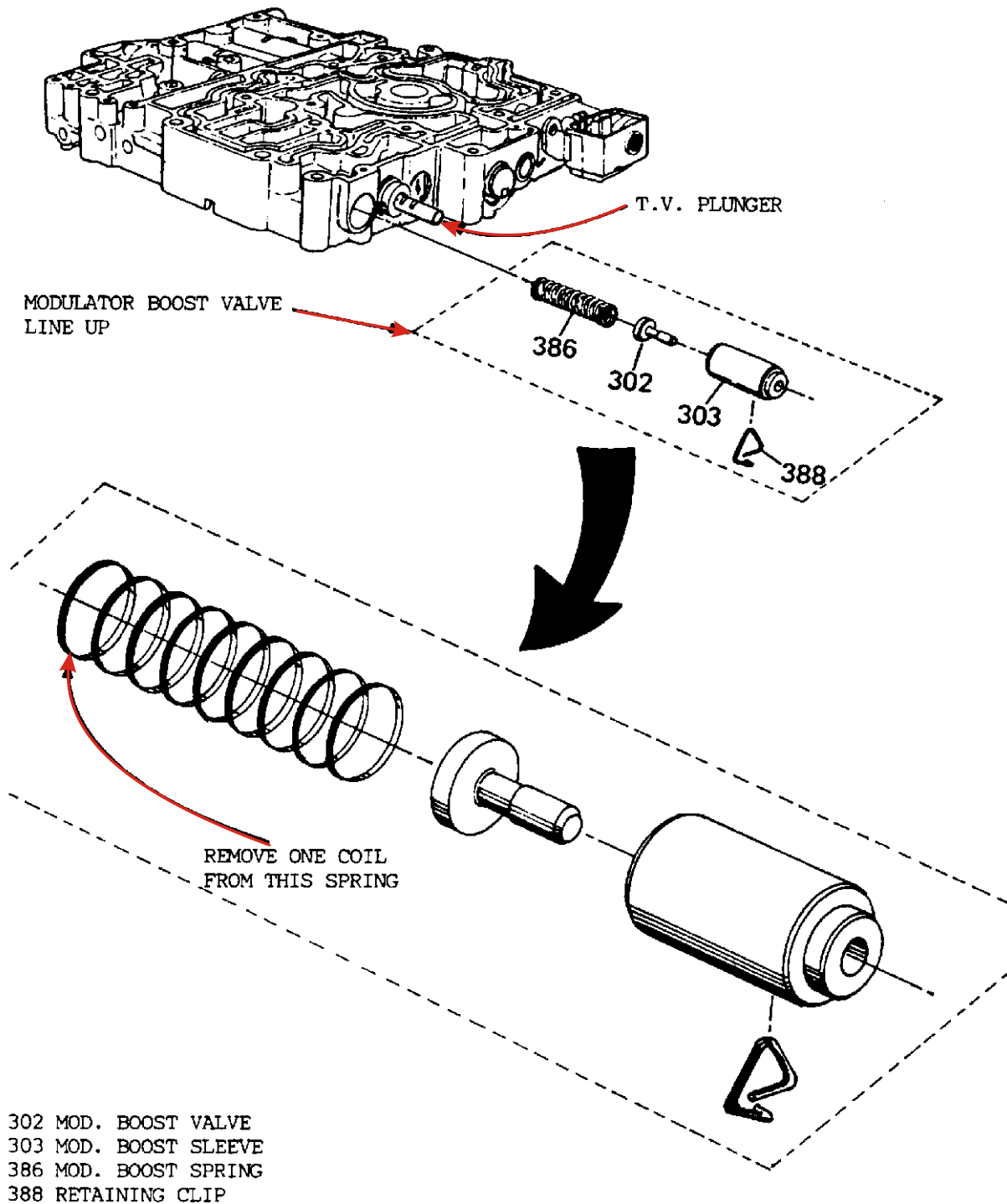
2ND CLUTCH DURABILITY (CLIP BOOST SPRING)

COMPLAINT: 2nd clutch pack with a very short life span, usually associated with a 1-2 slip, or a 1-2 slide bump.

CAUSE: The cause may be a lack of line pressure to sufficiently apply the 2nd clutch pack.

CORRECTION: Shorten the modulator boost valve spring by 1/8", or approximately 1 coil. The modulator boost valve spring is located in the pressure regulator line up, which is directly next to the T.V. plunger in the valve body (See Figure 1). This will allow line pressure to rise at less of a throttle opening and greatly increase 2nd clutch durability. This modification should be done on all THM 440-T4 transaxles during the rebuilding process.

There are some valve body kits on the market that have a spring that you are told to install in this location. There are currently 3 different diameters of modulator boost valves, and 3 different spring calibrations. There is no way that 1 spring will operate "Properly" in all 3 applications.



302 MOD. BOOST VALVE
 303 MOD. BOOST SLEEVE
 386 MOD. BOOST SPRING
 388 RETAINING CLIP

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Figure 1