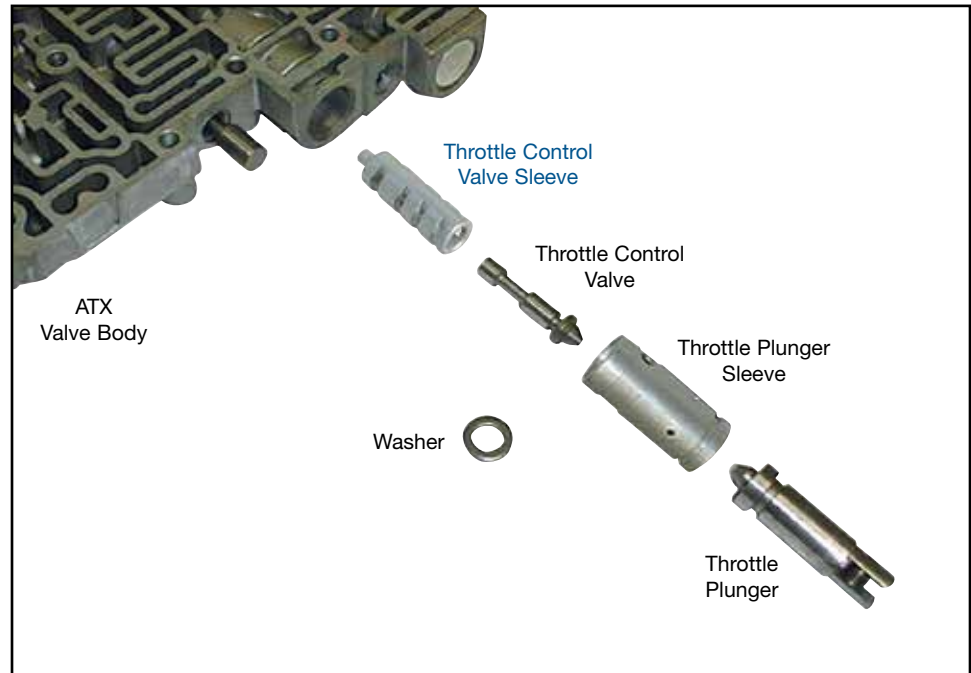


Throttle Control Valve Sleeve

Part No.

86940-03

Ford ATX



1. Wear Test

Verification of worn sleeves is best done by visual inspection. The throttle control valve sleeve can be visually inspected between the ports for worn and polished bores. A pressure gauge installed on an ATX with a worn throttle control valve sleeve will show incorrect line pressure control and minimum kickdown control. A worn throttle plunger sleeve will result in a hydraulic bind or vibration in the accelerator linkage.

2. Disassembly

- Remove worn throttle control valve sleeve from valve body and discard.
- Save the rest of the OE lineup for reuse.

3. Installation & Assembly

- Lubricate Sonnax throttle control valve sleeve.
- Push sleeve into valve body bore, with the open end facing, out until it seats against the set screw (**Figure 1**).

NOTE: This screw is used for setting the location of the control valve sleeve, thereby altering throttle sensitivity.

- Return OE washer to the valve body bore. This washer must be installed prior to the throttle pressure valve, as it serves as a stop when the throttle pressure valve is fully stroked.

NOTE: If the washer is positioned incorrectly, late or no upshifts can result.

3. Installation & Assembly continued

- d. Return OE throttle control valve to the assembly, ensuring that the two small spool diameters slip into the valve sleeve.
- e. Reinstall OE throttle plunger valve into OE sleeve, split end outwards, towards retaining clip groove.
- f. Place the two OE springs into the throttle valve sleeve assembly, then press the sleeve assembly into the valve body, springs first (**Figure 1**).
- g. Return OE retaining clip to the valve body.

CAUTION: Overtightening or use of an air tool on linkage can force throttle valve cam to imprint/bend the sleeve. This will cause a no upshift condition.

