

### Forward Control Valve Kit



Part No.

**96206-07K**

- Valve
- Regulating Spring
- Bumper Spring
- Retaining Clip

Patent No. 6,736,747

Recommended

### Bore Sizing Tool

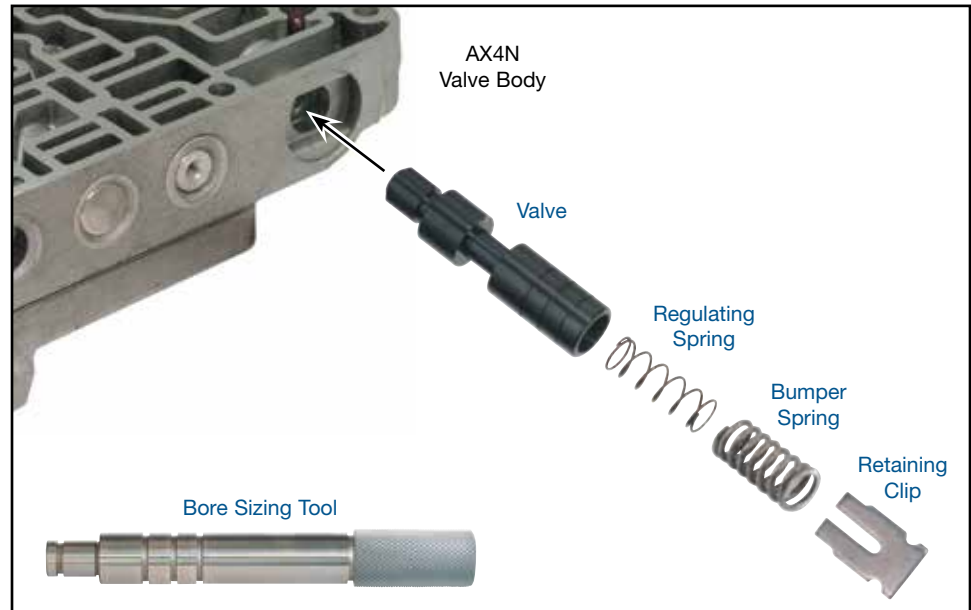
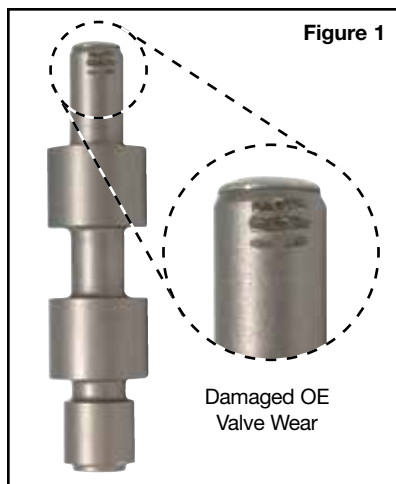
Part No.

**96206-BST**

**NOTE:** Although this valve does not require a reamer, use of the bore sizing tool is highly recommended.



**NOTE:** Recommended tool 96206-BST is no longer in production. Check with your distributor for availability.



## Ford 4F50N, AX4N

### 1. Functional Test

To determine if a valve is warped, pull it to the end of its stroke, reinsert, rotate 90 degrees, then pull outward. Repeat this procedure two to three times. A warped valve may stroke freely initially, but will hang up or seize in the bore when rotated and stroked.

### 2. Disassembly & Bore Preparation

- Remove OE valve.
- Lubricate Sonnax bore sizing tool with ATF.
- Insert Sonnax bore sizing tool into bore, pushing carefully until it bottoms in bore.
- The tool should then be reciprocated in the bore, mimicking stroking of the valve.
- Remove tool and clean bore of any debris.
- Lubricate Sonnax valve and install into the bore. If the valve continues to stick, repeat the bore sizing tool procedure.

**NOTE:** With the bore sizing tool bottomed in the bore, a screwdriver tip may be placed through a valve body port and into a tool groove, then tapped with a hammer.

### 3. Installation

- Be certain all debris has been removed from the valve bore and valve body.
- Install Sonnax valve into bore with the spring pocket facing outward.
- Install Sonnax springs into the valve spring pocket.
- Collapse the larger regulating spring just enough to install Sonnax retaining clip.

### 4. Final Testing

After installation, stroke the valve completely a number of times. Ensure the spring is properly centered in the valve spring pocket. The end of the valve should not hit against the collapsed spring at the end of its stroke.