

## Accumulator Valve Kit

### 63940-02K

1 Accumulator Valve  
1 O-Ringed End Plug  
2 Springs

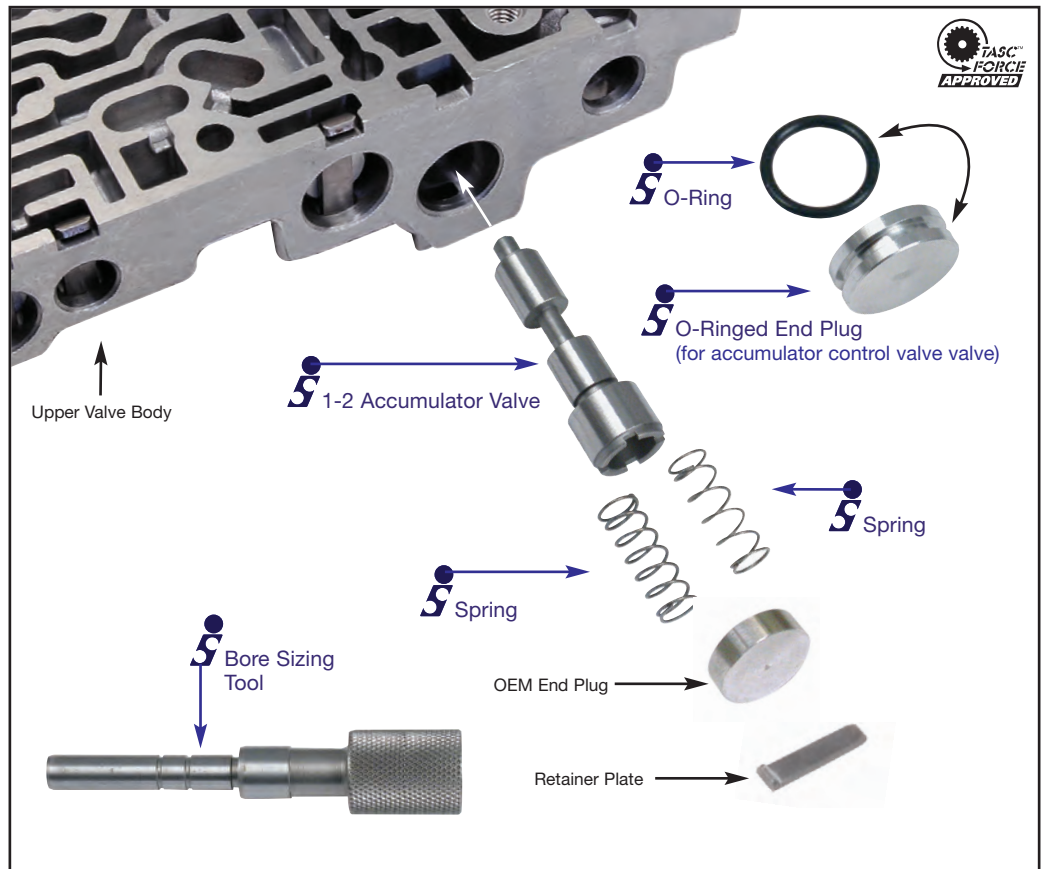
'01 & Earlier



### 63940-BST

1 Bore Sizing Tool

**Note:** Does not fix 2000 or later Maxima or any 2002 or later valve bodies.



### Installation

#### 1-2 Accumulator Valve

**NOTE:** The bore sizing tool must be used to refurbish the accumulator valve bore prior to using the slightly oversized replacement valve.

1. Remove all components from the valve bore and 1-2 accumulator line-up on the opposite side of the valve body.
2. Discard the OEM 1-2 accumulator valve and spring.
3. Burnish the bore using the **63940-BST** bore sizing tool.
4. Insert the stepped end of the bore sizing tool into the bore (see Figure 1). It is designed to have an interference fit with the bore. A 3/8-16 UNC internal thread is provided at the knurled end of the tool to adapt to a puller or slide hammer for ease of use.
5. Stroke the bore sizing tool within the bore to mimic valve oscillation.
6. Remove the bore sizing tool and install the oversized 1-2 accumulator valve.
7. If the valve does not move freely, reinstall the bore sizing tool and tap the sizing tool up and down using a hammer and screwdriver through the ports and into the tool slots. This will smooth out any ridges in the bore. Repeat this process until the valve strokes freely.
8. Install the replacement 1-2 accumulator valve, small end inboard.

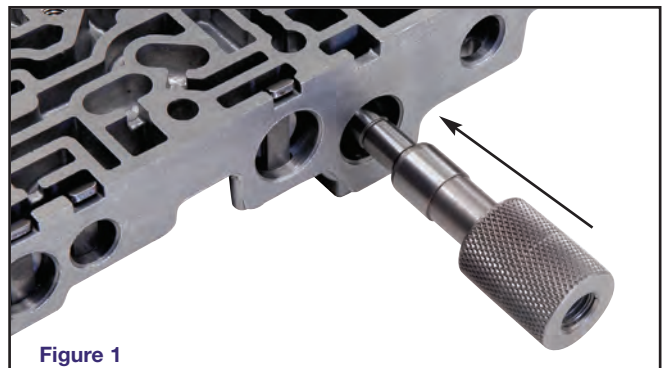
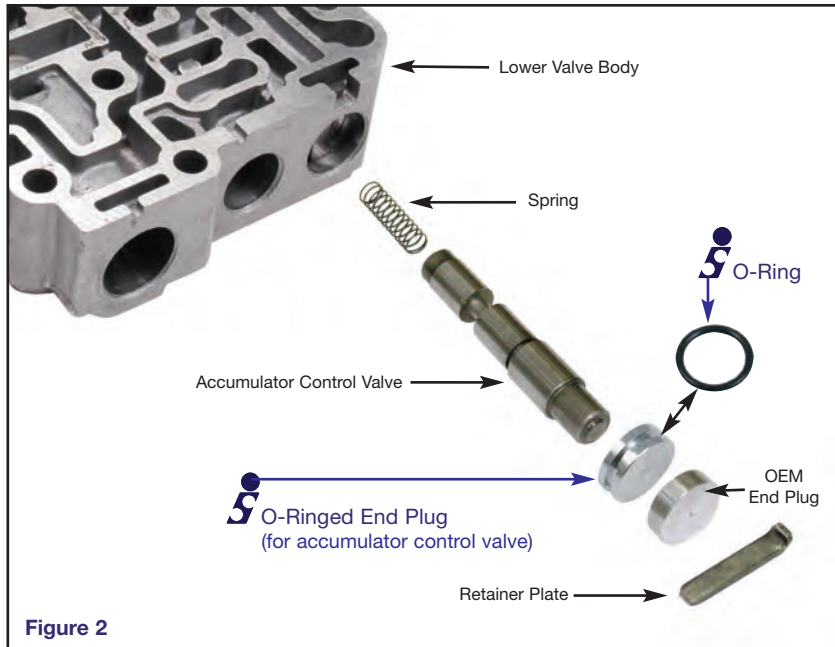


Figure 1

9. Select the desired spring and insert into the valve spring pocket.  
The plain colored spring with .022" wire diameter will provide slightly increased accumulator pressure.  
The white colored spring with .026" wire diameter will provide noticeably increased accumulator pressure for firmer shifts.
10. Reinstall the OEM end plug and retainer.
11. Reinstall the OEM 1-2 accumulator washer, spring, piston, end plug and retainer in the opposite side of the valve body.



### Accumulator Control Valve O-Ringed End Plug

1. Remove all components from the accumulator control valve bore, which is located in the lower valve body.
2. Discard the OEM spring.
3. Reinstall the OEM accumulator control valve without a spring.
4. Insert the o-ring into the end plug groove. Lubricate with assembly jel.
5. Push the o-ringed end plug into the bore until it contacts the valve (see Figure 2).
6. Reinstall the OEM end plug and retainer.