

## Low/Intermediate Upgraded Servo, Spring, Pin & Retainer Clip

### 96728

1 Servo Piston

### 96728-01

1 Servo Cushion Spring Retainer

### 96995A

1 Servo Spring

### 96945R

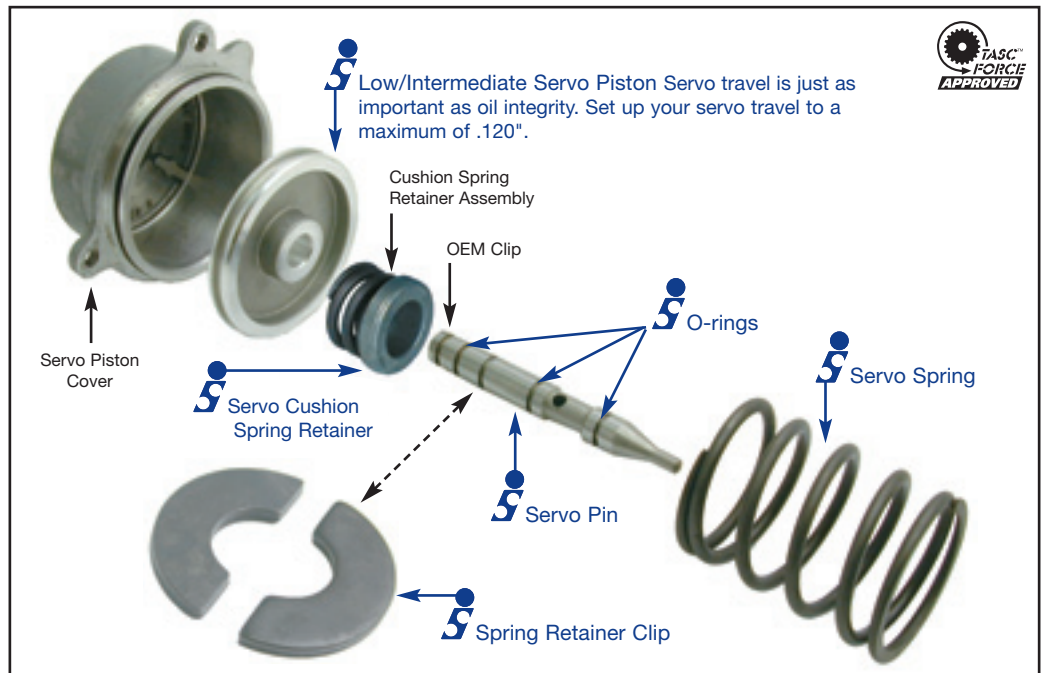
5 Spring Retainer Clips

### 96945S

1 Servo Pin

1 Retaining Clip

3 O-Rings



#### Instructions for Servo Piston, 96728

1. Remove the low/intermediate servo cover from transmission body.
2. Remove the rod/spring/piston assembly from the servo cover.
3. Remove the end retaining clip.
4. Remove the old servo piston and replace.
5. Put the o-ring on the new servo piston.
6. Replace end retaining clip.
7. Return the assembly to the servo cover and return to the transmission body.

#### Instructions for Servo Cushion Spring Retainer, 96728-01

1. Remove the low/intermediate servo cover from transmission body.
2. Remove the rod/spring-retainer/piston assembly from the servo cover.
3. Remove and replace cushion spring retainer assembly.
4. Reinstall piston, then install entire assembly into case.
5. Reinstall low/intermediate cover assembly.

#### Instructions for Servo Spring, 96995A

1. Remove the low/intermediate servo cover from transmission body.
2. Remove the rod/spring-retainer/piston assembly from the servo cover.
3. Install the cushion spring retainer (this will hold the (2) halves in place).
4. Replace the OEM spring with the 96995A spring.
5. Return the assembly to the servo cover and return to the transmission body.

#### Instructions for Retainer Clip, 96945R

1. Remove OEM E-clip.
2. Place both halves of the split washer in the E-clip groove.
3. Install the cushion spring retainer (this will hold the (2) halves in place).
4. Put the piston on the pin.
5. Install the E-clip on the end of the pin.

#### Instructions for Servo Pin, 96945S

1. Remove and discard OEM pin.
2. Pre-lube o-rings then install in grooves as shown.
3. Place both halves of the split washer in the e-clip groove.
4. Install the cushion spring retainer (this will hold the (2) halves in place).
5. Reinstall piston onto pin. It is critical to remove sharp edge from pin bore with deburring tool (Door-Ease and STP works well for a lubricant)!
6. Install the e-clip on the end of the pin.
7. Roll the installed o-ring against the bench to re-size its OD before case assembly.
8. Set pin travel to .110"-.120". This travel can be checked by using a spare cover with an off-center hole drilled through it. Push on the visible pin, and measure its travel with a caliper.

**Note:** Travel is measured from the at rest position to the band applied position. This travel specification differs from the Ford manual's suggested specifications due to the increased length of the Sonnax pin.