

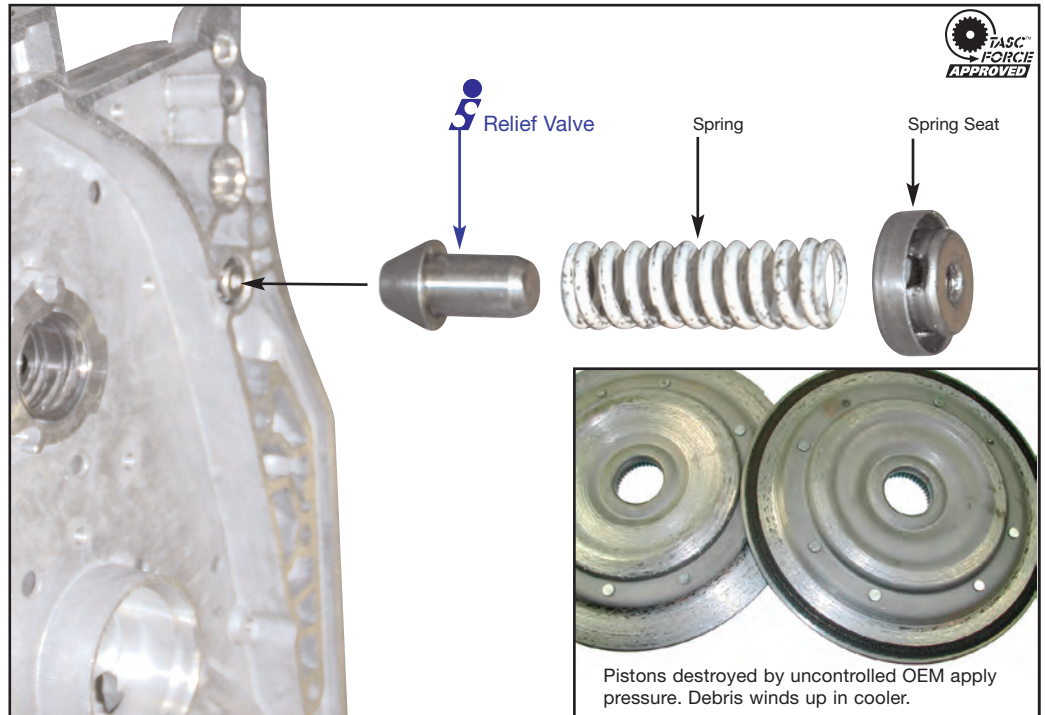
Relief Valve

84757-01K

10 Relief Valves

To remove the OEM assembly:

1. Note spring seat depth before removal.
2. Set the cover over an opening, such as two E4OD sprag races. (See Figure 1.)
3. Using a $\frac{3}{16}$ flat punch, inserted from the valve body side, drive the ball, spring and spring seat out. (See Figure 1.)
4. Keep the spring and spring seat for reassembly. **Measure the OEM spring: if longer than 1.230", flat-grind the end coils until length is 1.210" to 1.230"**. Discard the ball.



To install:

1. Set the Sonnax relief valve 84754-01K into the pocket, followed by the spring and spring seat.
2. Press or drive the spring seat into the pocket until it is flush with the gasket surface. If left too high, the chain cover installation would have to press it down flush. If set too deep, it negatively increases release pressure. (See Figure 2.)

Note: An AXODE boost sleeve works well as a mandrel. First use the large closed end to start the seat squarely, then use the small open end to press into final depth. (See Figure 3.)

After install:

From the spring side, using the $\frac{3}{16}$ punch, hit the stem of the relief valve sharply to reform the seat and prevent leaks. (See Figure 4.)

Note: When contamination is found check cooler flow with a Sonnax SonnaFlow™ or replace cooler.



Not all covers have a cooler drainback ball. If there is not one in the cover, make sure there is one in the case cooler line fitting.

