

## Oversized Pressure Regulator Valve

### 36946-10K

1 PR Valve

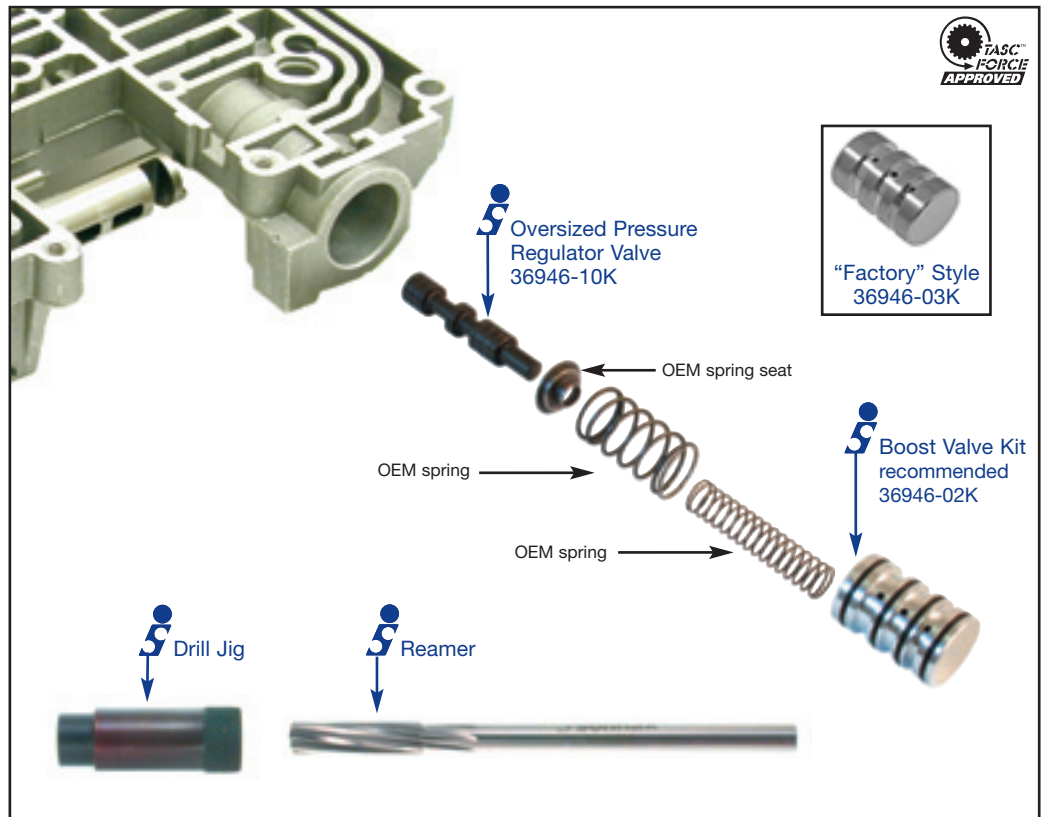


**Note:** This valve will not fit the clicker style or the early style Shelby valve bodies

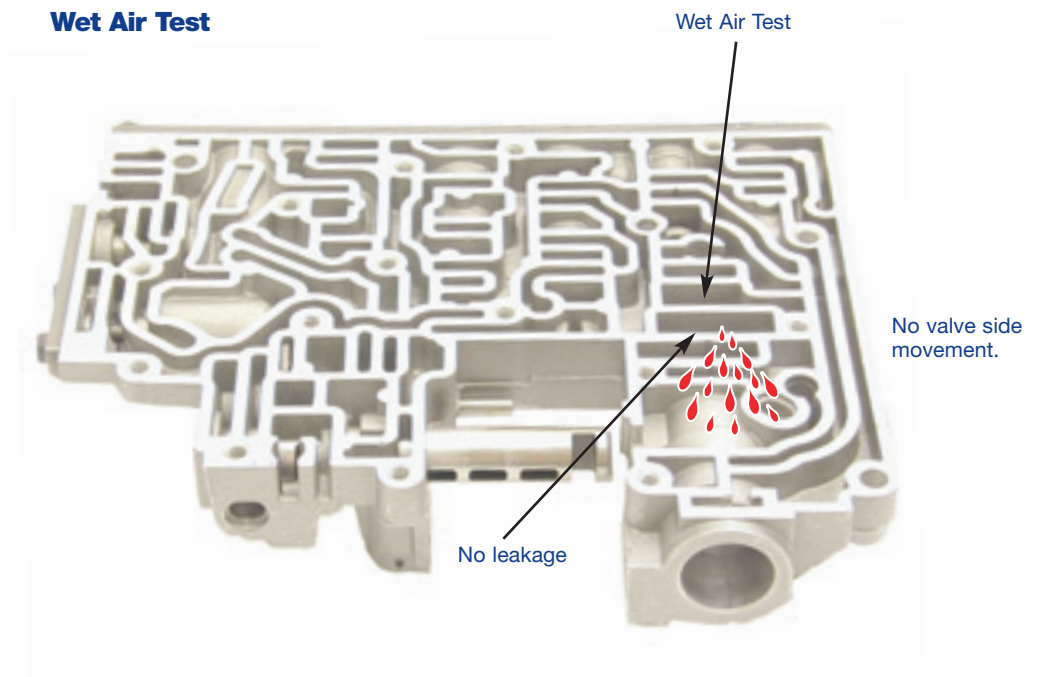
### 36946-TL

1 Reamer

1 Drill Jig



### Wet Air Test



### Prep and Set-up

1. Remove all components from the bore.
2. Clean the bore thoroughly in a solvent tank.
3. Securely clamp the housing to the bench, making sure not to clamp directly over the bore to be reamed.
4. Insert the reamer jig into the bore.
5. Soak the bore and reamer with cutting fluid (Mobilmet S-122, Lubegard Bio-Tap, Tap Magic™, etc.). For best results, provide a continuous flow of water-soluble cutting fluid (i.e. Mobilmet S-122) during the reaming process.
6. Gently insert the reamer through the jig and into the bore until the cutting tip contacts the first bore to be reamed.



### Reaming

1. The reamer should be turned by a low rpm, high-torque air drill regulated to a maximum of 200 rpm.
2. The reaming action should be clockwise in a smooth and continuous motion, at 60-200 rpm. The reamer should actually pull itself through the bore, so little or no forward force should be applied.

### Finish and Clean-up

1. Using low air pressure, blow the chips free before removing the reamer.
2. To remove the reamer, turn clockwise while slowly pulling outward on the reamer.
3. Remove any remaining debris from the bore with low air pressure and clean in a solvent tank.
4. Examine the bore after cleaning for surface finish, debris and burrs. Flashing and burrs on the exit side of casting bores can be carefully removed with a small piece of Scotchbrite™ on the end of a long wire.
5. Clean the reamer after each use and store in its protective tube.

### Cautions and Suggestions

1. Turning the reamer backward will dull it prematurely.
2. Pushing on the reamer will result in poor surface finish, and inadequate and sporadic material removal.

### Installation Instructions

1. Install the Sonnax pressure regulator valve as shown in the photo, reusing the existing springs and spring seat.

Note: Many C6 units suffer from leakage at the boost valve in addition to leakage at the pressure regulator valve. It is best to replace the boost valve when the pressure regulator valve is replaced. See below for C6 boost valves that are available from Sonnax. Boost valve **36946-02K** (diesel ratio) is recommended to improve line rise, shift quality and clutch life.

### Also available

Sonnax C6 Boost Valves:

- |                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>36946-01K</b> | Gas Boost Ratio, o-ring seals on sleeve                           |
| <b>36946-02K</b> | Diesel Boost Ratio, o-ring seals on sleeve <b>**recommended**</b> |
| <b>36946-03K</b> | Diesel Boost Ratio, no o-rings on sleeve ("factory" style)        |
| <b>36946-04K</b> | Gas Boost Ratio, no o-rings on sleeve ("factory" style)           |