

TC Regulator Kit

63741-17K

1 TC Regulator Valve
1 TC Regulator Sleeve
1 Spring



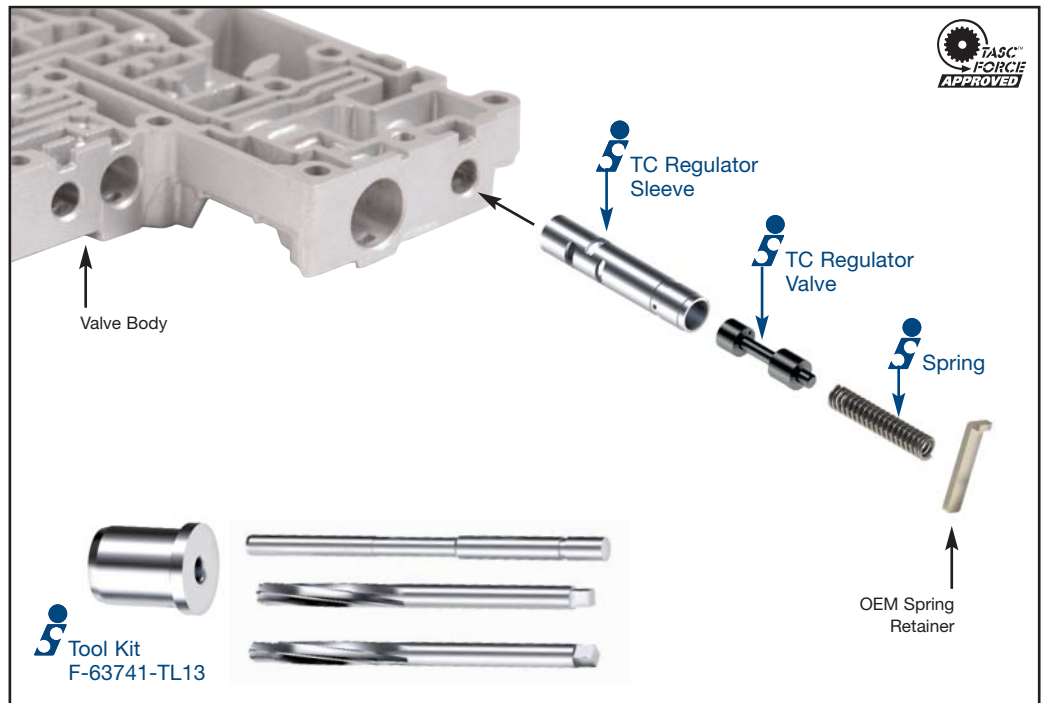
F-63741-TL13

2 Reamers *See Important Note
1 Guide Pin
1 Reamer Jig



Notes: Fits Nissan, Infinity RE5R05A and Kia A5SR1/A5SR2.

Tool kit **F-63741-TL13** can also be used for valve kits **63741-13K** & **63741-20K**.



Disassembly Steps

1. Remove and discard OEM valve and spring.
2. Keep OEM spring retainer for reuse.

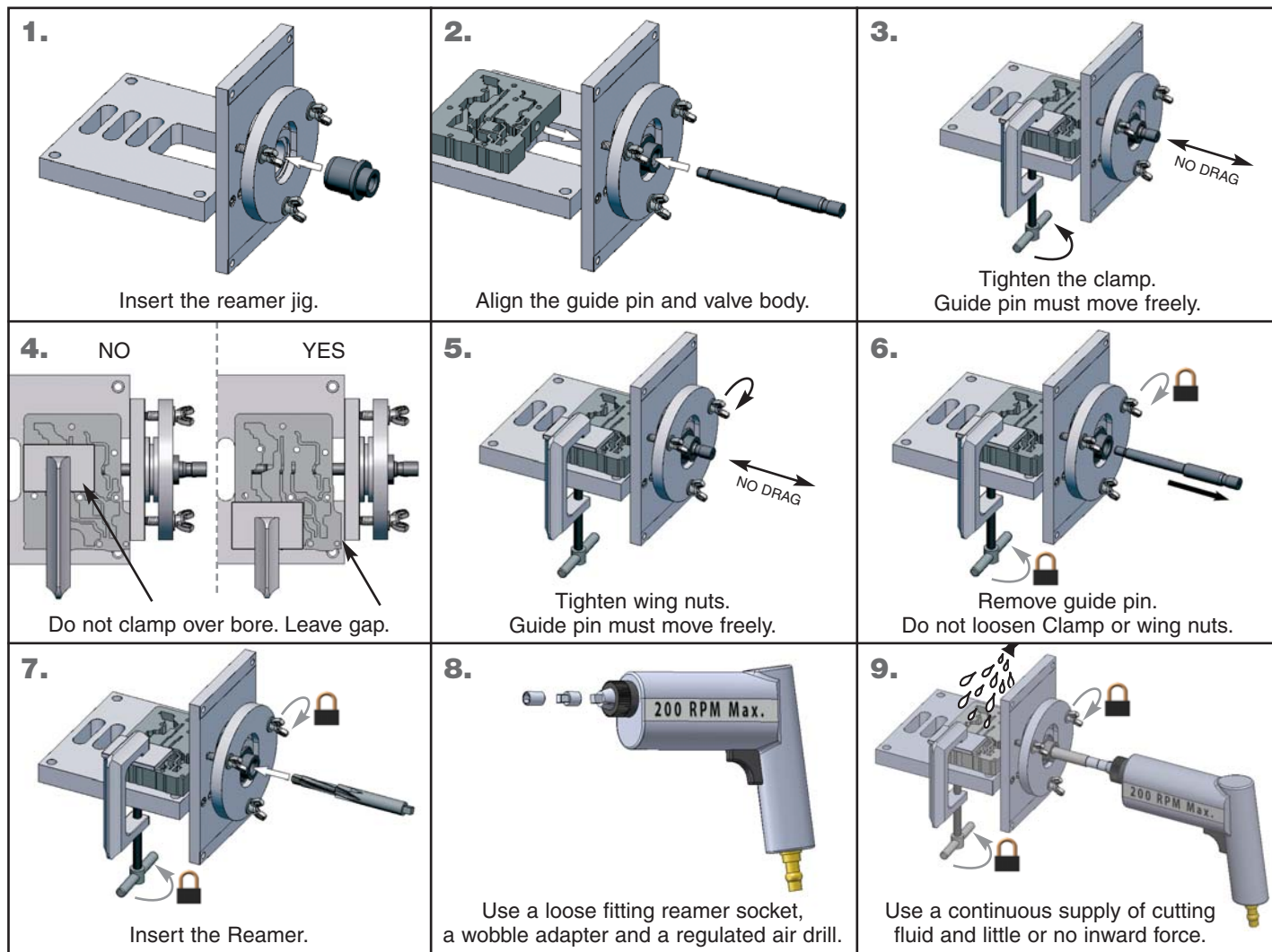
Important Notes:

1. ***Only one of the reamers from tool kit F-63741-TL13 will be used to ream a single bore!**
 - Use F-63741-RM13 reamer prior to installing kits 63741-13K or 63741-17K.
 - Use F-63741-RM20 reamer prior to installing kit 63741-20K.
2. Clean the bore thoroughly in a solvent tank.
3. Generously lubricate the bore and reamer with cutting fluid (i.e. 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.
4. The reamers should be turned using a low rpm, high torque air drill regulated to a maximum of 200 rpm.
5. Examine the bore after cleaning for surface finish, debris, and burrs. Flashing and burrs on the exit side of lands and bores must be carefully removed. A small piece of Scotchbrite™ material attached to a wire and powered with a drill motor is ideal for the task.

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.
3. Never use a crescent wrench, ratchet or pliers to turn the reamer.
4. A dull reamer will cut a smaller hole. Reamers can be sharpened, but should only be done by a professional tool sharpener. Actual life of a reamer before resharpening or replacing averages 50-70 bores.

Reaming Instructions



Installation Steps

1. Be certain all debris has been removed from the valve bores and valve body.
2. Install the new Sonnax TC Regulator valve and sleeve assembly and spring.
3. Re-install OEM spring retainer.

Note: In some instances, the sleeve may be slightly long (.010-.020) for the bore, preventing the retainer from securing the parts properly. If this is the case, carefully flat sand the outboard face of the sleeve (at the recess area) until the sleeve is of proper length to fit in the bore.

Final Verification Steps

Vacuum testing at either port should yield 18" of vacuum or higher.

