

Oversized Pressure Regulator Valve

74846-05

1 Oversized Pressure
Regulator Valve


Measure OE valve small
diameter before reaming.
OE must be .357".

74846-TL5

1 Reamer Jig
1 Reamer

Also available

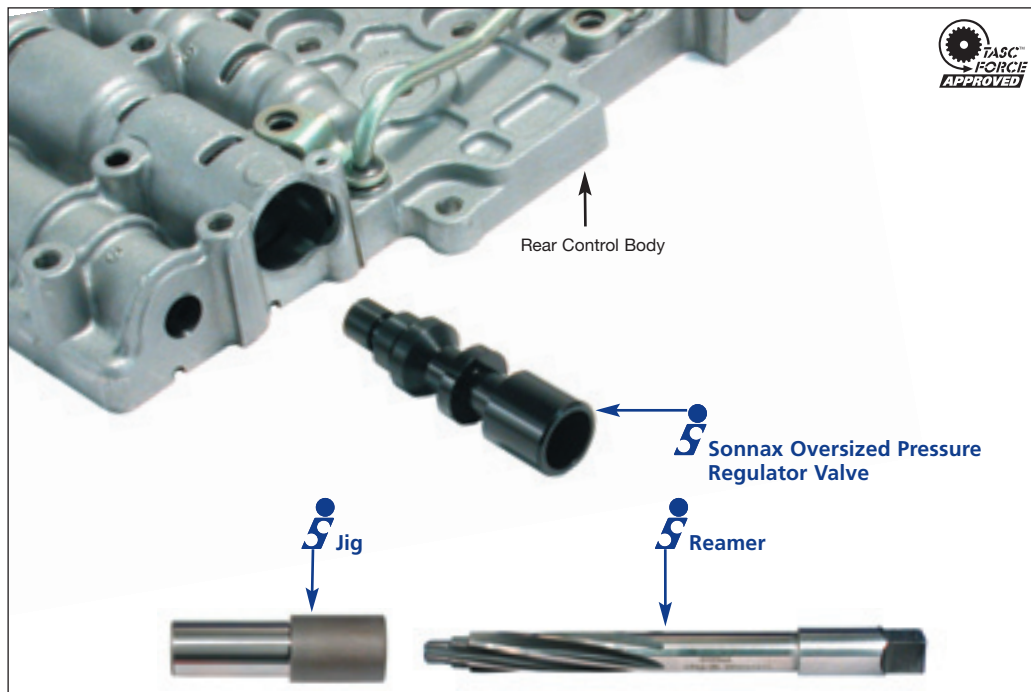
74846-04

1 Oversized Pressure
Modulator Valve

GF4A-EL Only



74846-TL4

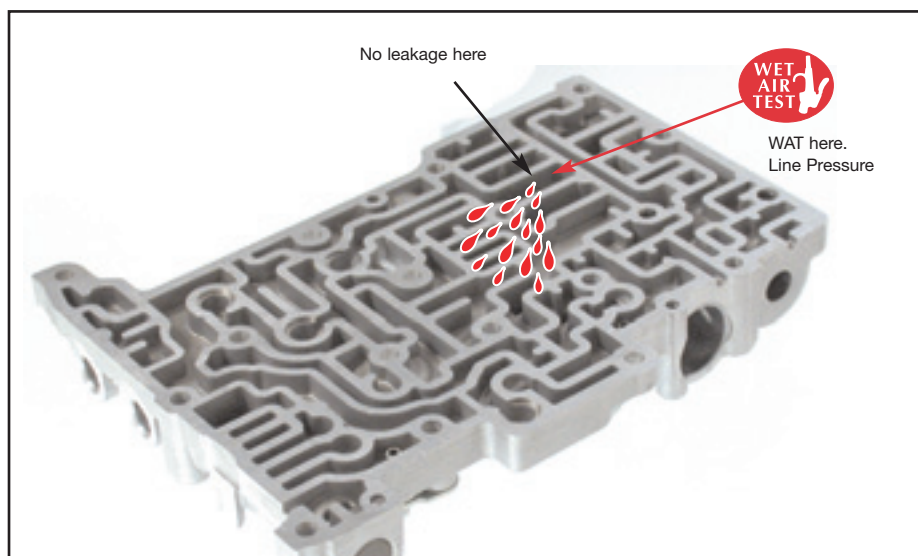
1 Reamer Jig
1 Reamer


Application Chart

Year	Manufact.	Designation	Vehicles	Case	Reg. Valve	Boost slv.	Line mod.	Notes
'93 & Up	Ford Mazda	GF4A-EL	Mazda, Ford, MX6 w/2.5, Millenia, G.T. Probe	Big	74846-05	74846-01K	74846-04	Dual pan; No TV cable; 7 solenoid-full electronic EPC
'87-'92	Mazda Ford	G4A-EL or G4A-FEL	626 Probe	Big	74846-05	71846-01K	N.A.	Dual pan; TV cable; 4 solenoid - no governor
'87-'88	Mazda Ford	G4A-HL	323	Big	N.A.	71846-01K	N.A.	Dual pan; TV cable; 1 solenoid w/governor

Wet Air Test

1. To Wet Air Test the pressure regulator valve, place a small amount of oil into the line pressure port. Follow with low air pressure. There should be minimal or no leakage through the converter feed or sump ports. If there is excessive leakage, the bore should be reamed and an oversized valve installed.



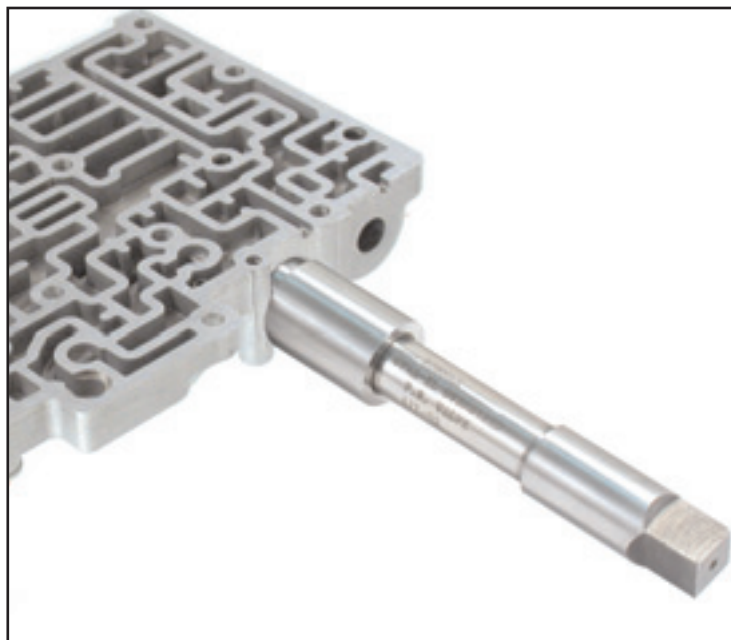
G4A-EL, G4A-HL, GF4A-EL

PART NUMBERS 74846-05, -TL5

**Oversized Pressure
Regulator Valve**

Reaming Instructions

1. Remove all components from the bore. Discard the OEM pressure regulator valve. Retain the remaining OEM components.
2. Clean the valve body bore thoroughly in a solvent tank.
3. Securely clamp the valve body horizontally to the bench, with circuits facing up, making sure not to clamp directly over the bore to be reamed. Helpful hint: Small wood blocks may be used under the valve body casting for better support.
4. Soak the bore and reamer with cutting fluid (Tap Magic®, etc.).
5. Place the reamer jig into the bore as illustrated. Gently insert the reamer through the jig and into the bore until the cutting tip contacts the first bore to be reamed.
6. Use a speed handle to turn the reamer in the bore. The reaming action should be clockwise in a smooth and continuous motion, at 60-120 rpm.
7. Continue reaming until the reamer bottoms in the bore. Approximate reaming time is 5 minutes.
8. Using low air pressure, blow the chips free prior to removing the reamer.
9. To remove the reamer, turn clockwise while slowly pulling outward on the reamer.
10. Remove any remaining debris from the bore with air pressure and clean in the solvent tank.



Cautions

Never turn the reamer backward. This will dull the reamer.

Pushing on the reamer will result in poor surface finish and inadequate and sporadic material removal.

Never use a crescent wrench, ratchet or pliers to turn the reamer.

Clean the reamer after each use and store in its protective tube.

A dull reamer will cut a smaller hole. Reamers can be sharpened. Actual life of a reamer before resharpening averages 50 to 70 bores, and depends on oil and turning process. Take the reamer to a professional tool sharpener for resharpening.