

COMPLAINT

SECONDARY COMPLAINTS

Erratic shift quality, soft 1-2 shift, 3rd clutch failure, delay reverse

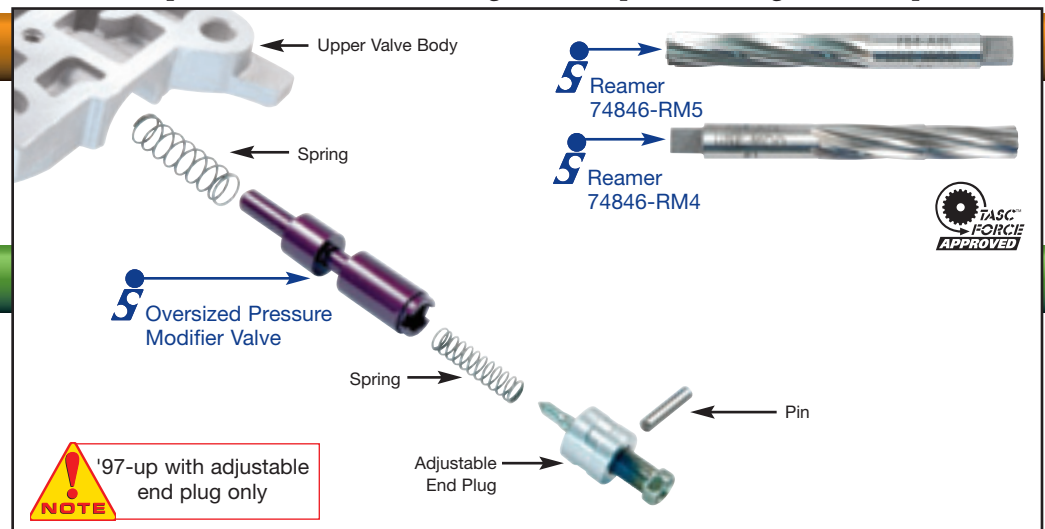
- Overall line pressure rise is too slow
- High/low line pressure
- High/low EPC pressure

CAUSE

Electronic control of the pressure modifier valve wears the bore, resulting in loss of valuable EPC oil. Pressure modifier is the source of EPC boost pressure. If the valve stick's or bore is worn EPC control is lost.

CORRECTION

This oversized pressure modifier valve allows the worn valve body to be reamed to restore hydraulic integrity of the circuit. The valve has been manufactured from anodized aluminum to prevent future valve body wear.

**Oversized Pressure Modifier Valve****74846-07K**

1 Oversized Pressure Modifier Valve

**74846-TL7**

2 Reamers

Note: Fits '97 & later units with adjustable end plug only.

Sonnax Part Summary

The constant oscillation of the pressure modifier valve wears the balance spool bore, preventing the valve from stroking to regulate EPC pressure. Loss of valuable EPC oil leads to erratic shift quality, poor line pressure and high or low EPC pressure. The Sonnax oversized pressure modifier valve **74846-07K** allows the worn valve body to be reamed to restore hydraulic integrity of the circuit.

Features & Benefits

- Sonnax valve is manufactured from anodized aluminum to prevent valve body wear.
- The spring seat depth has been shortened to compensate for the oversized valve, so the OEM spring may be reused.
- Restores proper pressure for improved shift quality.
- Salvages expensive, hard to find valve bodies.

Note: It is highly recommended that the pressure regulator valve bore be checked for wear on the units as well. Wear at this bore can result in erratic shift quality and high/low line and EPC pressures. Sonnax offers an oversized pressure regulator valve, **74846-06K**, which can be used to refurbish bore wear at this location.

Year	Manufact.	Designations	Vehicles	Case	Reg. Valve	Boost solv.	Line mod.	Notes
2000-Up	FORD	4F27E(FN)	Focus		NA	NA	NA	This is a 4F27E Ford, a different unit. The case is not split in half as the -F- case is; the driveline components come out one end. None of the F parts apply.
1997-03	FORD	FA4A-EL, F4E-III, FB	Escort, Tracer	Small, single pan	74846-06	74846-01K	74846-07	5 solenoid, to include EPC. Has adjustable line modulator screw on the opposite end of EPC, with or without a tube. The FB definition comes from the VB casting. It is not an OE reference, but from aftermarket info.
'91-'96	FORD	F4EAT	Escort, Tracer	Small, single pan	74846-06	74846-01K	NA	4 solenoid, TV cable, with or without tube.
'91-'97	FORD	F3A- 3spd	Tracer, Aspire		NA	NA	NA	Not the same unit as F4EAT. The F3A is 3-speed used in the 1.6L. This does not have accumulator piston covers visible at the front top as the 4-speed unit.
'99-Up	KIA	FA4A-EL, F4E-III	Rio, Spectra, Sephia	Small, single pan	NA	NA	NA	5 solenoid with special Kia EPC and gaskets. VB casting has a K, not an FB, like the Ford or Mazda. Opposite end of bore from EPC does not have an adjuster like the FB Ford casting. With or without a tube. PR valve, boost sleeve, spring are not same as Ford/ Mazda.
'97-'98	KIA	F4A-EL	Sephia	Small, single pan	NA	NA	NA	4 solenoid, hydraulic TV cable, with or without a tube. PR valve, boost sleeve, spring are not same as Ford/ Mazda.
'99 Up	MAZDA	FN-J39A	Protégé		NA	NA	NA	This is a 4F27E Ford, a different unit. Case is not split in half as the F unit. None of the F parts apply.
1995-98	MAZDA	F4A-EL, FB4	Protégé	Small, single pan	74846-06	74846-01K	74846-07	5 solenoid with EPC, adjustable line modulator screw opposite end of EPC. Has an FB cast into it. FB is not OE reference but aftermarket. FB is casting identification. Line mod-07 has two spools of .392" OD.
'90-'95	MAZDA	F4A-EL	Protégé, MX3	Small, single pan	74846-06	74846-01K	NA	4 solenoid, TV cable, with or w/out tube. 74846-06 has two spool diameters. Smallest spool is .515".
'93-'02	FORD MAZDA	GF4-EL	Mazda, Ford, MX6 w/2.5, Millenia, G.T. Probe	Big case dual pan	74846-05	74846-01K	74846-04	7 solenoid-full electronic EPC. No TV cable. Pressure regulator valve is 2.422" long. Smallest spool is .357" OD. Has 3 spool diameters. Line mod has 3 spools.
'86-'92	MAZDA FORD	G4A-EL OR G4A-FEL	626, 323 Probe, Capri	Big case dual pan	74846-05	71846-01K	NA	2 or 4 solenoid - no governor, with TV cable, Turbo or non-turbo, E cam wheel. Same PR valve as above.
'86-87	MAZDA FORD	G4A-HL	323, 626	Big case dual pan	NA	71846-01K	NA	1 solenoid with governor, with TV cable, H cam wheel. PR valve is steel and 2.660" long.