

COMPLAINT

SECONDARY COMPLAINTS

Delayed engagements, lube failures

Manual Valve

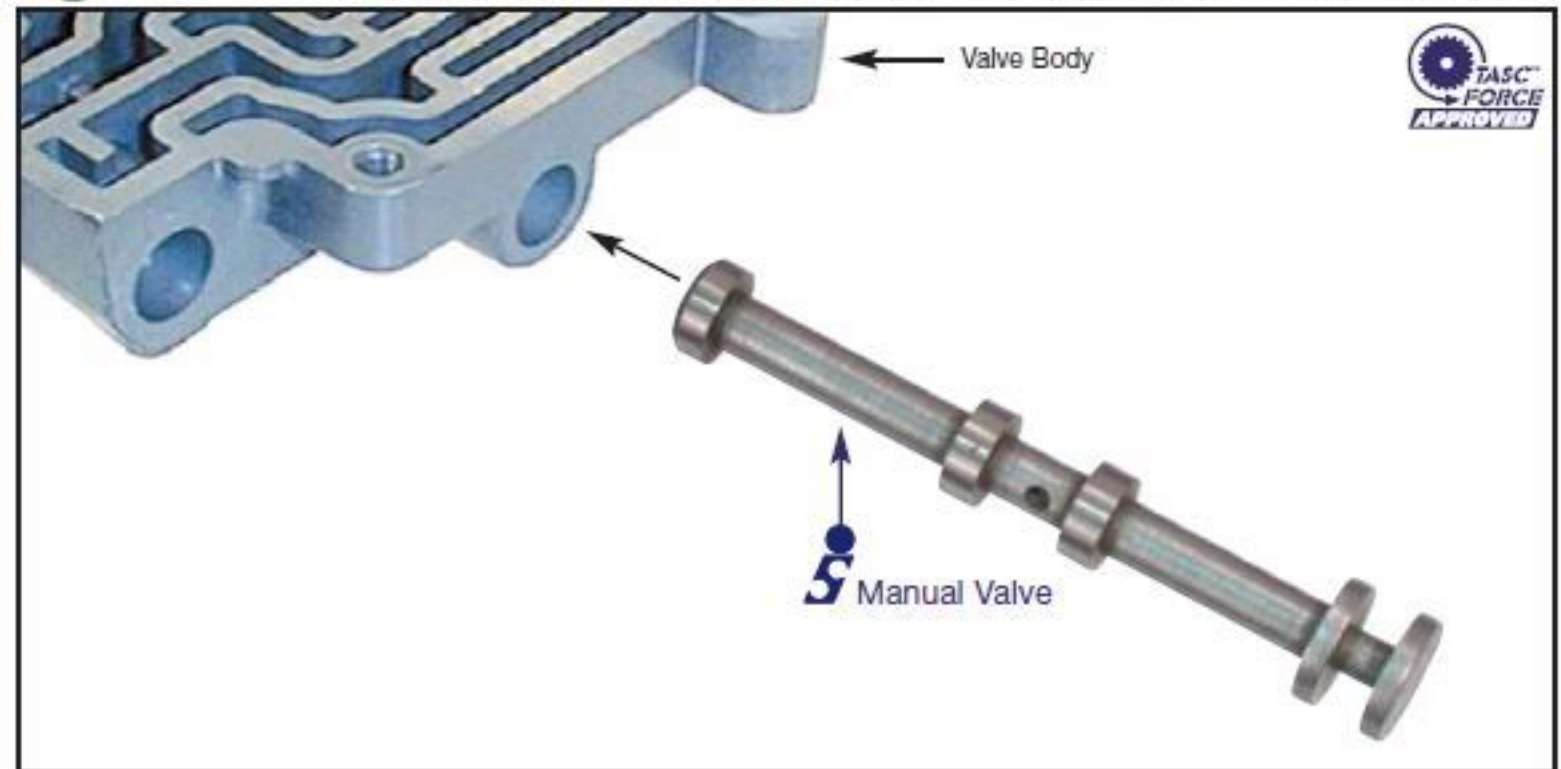
41750-03

1 Manual Valve

Note: Not recommended for some Hyundai applications. Do not use with .218" (5.5mm) ball in pump. Valve is calibrated to work with all units with .312" (8mm) ball in pump.

CAUSE • No cooler flow in park • Pump or converter hub bushing spin-out and/or converter overheating
Line pressure exhausts and does not charge the converter when the selector lever is in park.

CORRECTION This redesigned manual valve blocks line circuit oil from exhausting to the sump, increases converter charge pressure in park, and also redirects exhaust flow and reduces sump cavitation.



KM 175, 176 & 177

COMPLAINT

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Flare 2-3 or 3-2 shift

Endplay Shim Kit

42000-01K

7 Fiber Washers

6 Steel Shims

CAUSE • Endplay set-up shims unavailable • Delayed forward or reverse • Excessive endplay
Lack of a shim to lift the gear train allows for excessive clutch drum travel. Placing excessive shims between pump & drums reduces sealing ring contact & results in clutch circuit oil loss.

CORRECTION This shim kit includes seven fiber washers for pump/drum set-up and six steel shims for supporting the rear/forward clutch drum.



OLD	NEW
KM 175-5	F4A22-1/2
KM 176-5	F4A21-1/2
KM 177-8	F4A23-1/2
	F4A32
	F4A33
	F4A33-1

Note: Also compatible with AWD units.

COMPLAINT**Seal leakage, pump noise**

SECONDARY COMPLAINT

**Pump Bushing
& Alignment Tool**

41005-01
1 Pump Bushing



41005-TL
1 Pump Alignment Tool

Note: Fits F4A/F5A 40 & 50 series pumps in '97-up Mitsubishi and '99-up Hyundai applications.

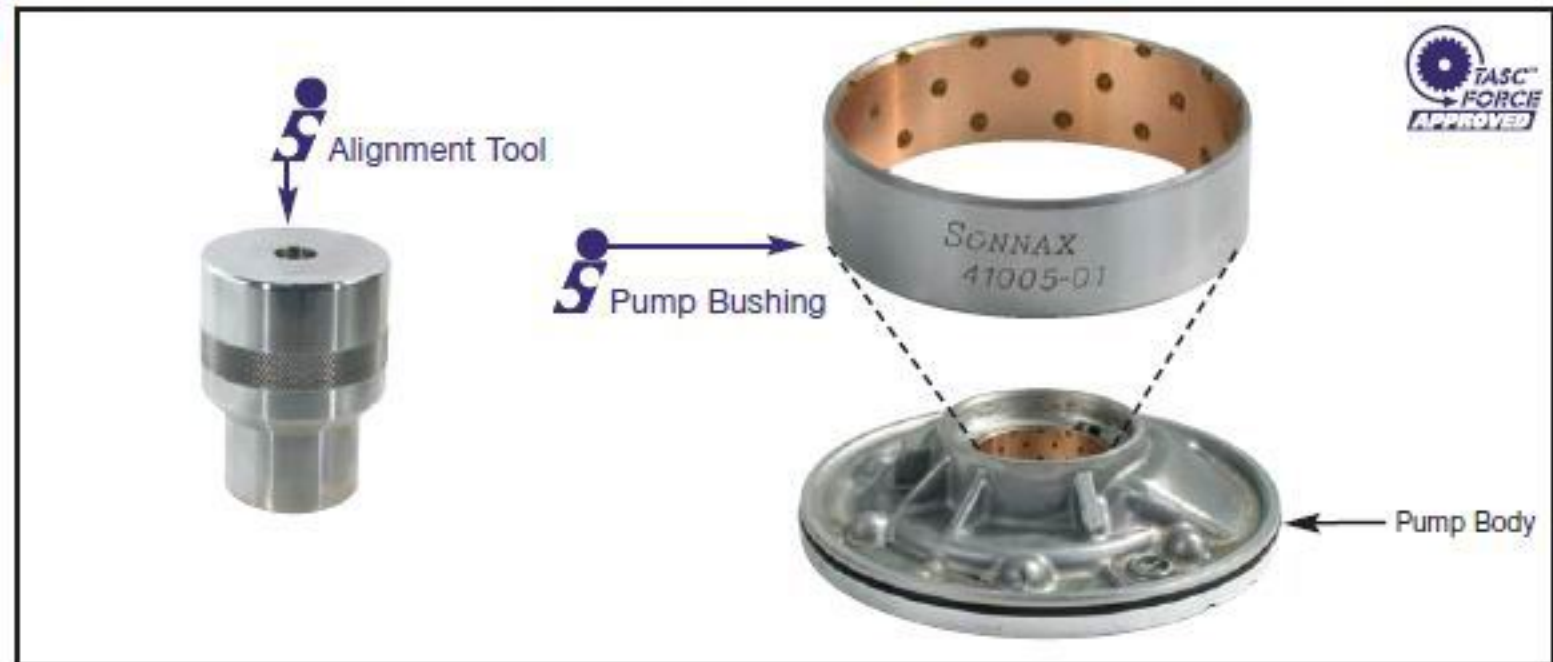
• Bushing wear

CAUSE

The bushing wears through normal operation and replacements are not available from OEM.

CORRECTION

Sonnax offers a precision steel-backed, ball-indented bushing to restore operational clearances, and a pump alignment tool to correctly reassemble the pump halves.

**BW-T65/66, BW-T35****COMPLAINT****Uncontrollable shift timing**

SECONDARY COMPLAINTS

**O-Ringed Modulator
Valve End Plug**

29133-01K
1 End Plug
1 O-Ring

• Loss of governor pressure • Insufficient line rise • Forward clutch failure

CAUSE

Governor oil leakage at the throttle modulator valve end plug due to wear.

CORRECTION

Use this replacement o-ringed modulator end plug to prevent valuable oil leakage.

