

PART NUMBER(s): FLOATMODSEC

IF YOU HAVE A AFTERMARKET BILLET TRANSMISSION SEAL GUARD YOU MUST REMOVE IT BEFORE YOU INSTALL THE KWI FLOAT MOD SECONDARY OR BELT FAILURES WILL OCCUR.

TOOLS NEEDED

- 1/2" Drive Impact Gun
- 17mm - 1/2" Drive Impact Socket
- Torque Wrench
- T30 Torx
- Vorhees Vice holding tool or equivalent
- Brake Cleaner
- Rags
- Moly grease
- Clutch Belt removal tool
- Cell phone with camera



NOTE: No component marking is required before disassembly. The clutches feature factory apposed index marks as references if needed.

Removing and installing KWI Float Mod secondary clutch

- 1) Remove belt box cover. (T30 Torx)
- 2) Remove CVT belt. (Clutch Belt removal tool)
- 3) Remove secondary clutch bolt. (17mm or 7/8" - 1/2" Drive Socket)
- 4) Secondary clutch will slide off shaft. (Retain bolt and washer for re-use)
- 5) Clean gearbox secondary shaft and splines with brake cleaner- MAKE SURE TO REMOVE ANY RUST FROM THE SHAFT NEAR THE GEARBOX SEAL.
- 6) Lubricate gearbox secondary shaft splines well. Apply a light coat of grease to the entire length of the shaft with moly grease.
- ****EVERY 500 MILES REMOVE SECONDARY CLUTCH- CLEAN AND RE-LUBRICATE SECONDARY SHAFT SPLINES WITH MOLY GREASE****FAILURE TO COMPLY MAY CAUSE HARD SHIFTING**
- 7) Install KWI Float Mod Wave Spring on shaft.
- 8) Align splines and slide secondary clutch on shaft. (Do not force or bang splines against shaft or you can crate a burr that makes install difficult)(Place car in drive then wiggle and turn secondary until splines align and clutch slides on)
- 9) Install factory step washer, 1 thick KWI Float Shim, 1 thin KWI Float Shim and KWI Float Billet Spacer on secondary clutch bolt per photos on page 2.
- 10) Lightly tighten secondary clutch bolt and push secondary clutch toward the gearbox, verify it returns to its original position smoothly.
- 11) Install Belt.
- 12) Spin secondary clutch 10 turns CCW by hand while pulling lightly outward on helix.
- 13) Verify belt is centered between the primary sheaves. (use a cell phone held between clutches and take a photo looking forward at primary bearing)
- 14) Adjust KWI Float Mod shimming as required to center belt.
 - Increase the thickness of the total KWI Float Shims to move belt away from motor
 - Decrease the thickness of the total KWI Float Shims to move belt toward motor.
- 15) Secure secondary clutch on crankshaft by torquing the secondary clutch bolt to bolt manufacturer specs on page 2.(17mm -1/2" Drive Socket)(Torque Wrench) Use a KWI Vorhees Vice or equivalent to hold secondary while torquing.
- 16) Reinstall CVT belt and belt box cover.

