LUV

Pickup

DESCRIPTION

Clutch assembly is a single dry disc type using a diaphragm spring pressure plate with a pre-lubricated release bearing. Clutch release lever is cable actuated. Cable is hooked to release lever and clutch pedal.

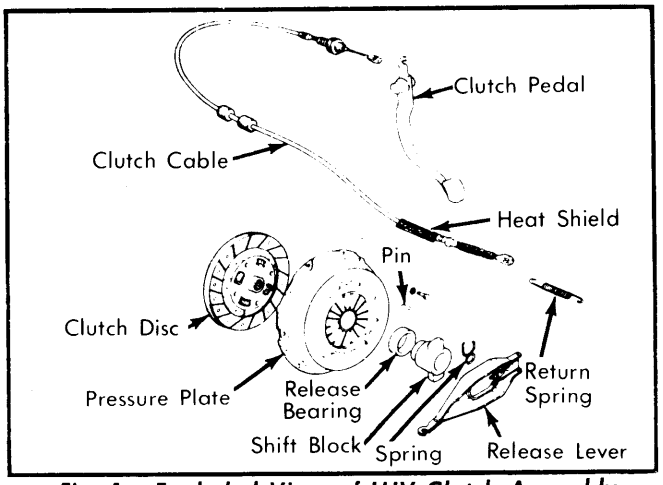

Fig. 1 Exploded View of LUV Clutch Assembly

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

NOTE – *Transfer case is removed with transmission on 4-WD models. Disconnect additional components as required during transmission removal.*

Removal – 1) Disconnect negative battery cable. Slide gearshift lever boot upward on lever, remove gearshift lever attaching bolts and remove lever assembly. Remove starter attaching bolts and lay starter aside.

2) Raise vehicle on hoist and disconnect exhaust pipe hanger at transmission. Disconnect speedometer cable at transmission. Remove propeller shaft.

3) Remove clutch release lever return spring. Remove flywheel inspection cover. Remove 3 bolts mounting frame bracket to rear mount. Using a jack slightly raise transmission and remove 4 crossmember-to-frame bracket bolts. Remove 2 bolts mounting transmission extension housing. Lower engine/transmission assembly and support rear of engine.

4) Disconnect electrical leads at transmission. Remove transmission to engine attaching bolts and remove transmission.

5) Mark pressure plate and flywheel for reassembly reference. Loosen clutch to flywheel attaching bolts one turn at a time until spring pressure is released. Support clutch assembly with a suitable clutch aligning tool, remove bolts, and remove clutch.

Installation – Apply a thin coat of Lubriplate or equivalent to clutch disc splines. Install clutch assembly to flywheel, matching alignment marks made at disassembly. Use a suitable clutch alignment tool to center assembly on flywheel, then install and tighten attaching nuts. To complete installation, reverse removal procedures.

RELEASE BEARING, SHIFT BLOCK & RELEASE LEVER

Removal – Remove release lever from transmission case. Disengage release bearing to lever retaining springs. Slide out release bearing with shift block. Remove release lever from transmission ball stud.

Inspection – 1) Check release bearing for noise or lubricant loss by spinning bearing. Replace bearing if either condition exists.

2) Inspect release lever ball socket and lever contact surface for signs of excessive wear. Also, check retaining spring for signs of weakening. Make sure spring will hold lever tightly to ball stud.

Installation – Install release lever ball stud in cover. Lube shift block inner groove, ball seat and release bearing contact surface. Install release lever and bearing assembly. Attach release bearing spring to lever and spring clip to ball stud.

PILOT BEARING

Check pilot bearing for seizing, sticking, abnormal noise or wear. If replacement is required, use a suitable tool (J-23907) to remove bearing.

CLUTCH CABLE

Removal – 1) Loosen clutch cable lock nut and adjusting nut. Free cable from various routing clips in engine compartment. Working under vehicle, disengage return spring from release lever.

2) Disconnect cable from release lever and pull cable forward through bracket. Separate cable from clutch pedal and pull cable into engine compartment. Remove cable out of engine compartment. Make sure boots are not damaged.

Installation – To install, reverse removal procedure and note: Make sure cable is not kinked or bent sharply.

ADJUSTMENT

CLUTCH CABLE

Pull cable into engine compartment. Rotate adjuster nut until washer damper assembly is brought back into contact with firewall. Work clutch pedal several times. Pull cable out again and fully tighten nut. Back adjusting nut off until there is about .196" (5 mm) between adjusting nut and boot. See *Fig.* 2. Tighten lock nut.

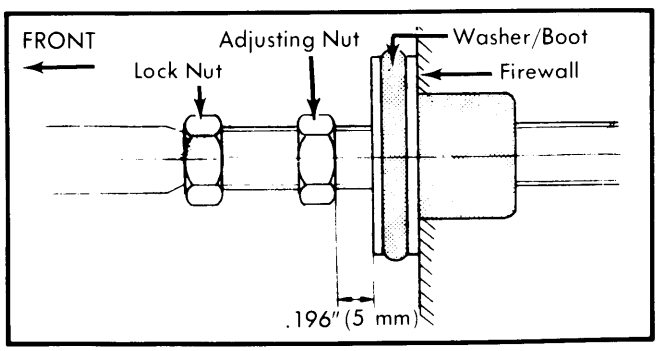

Fig. 2 Clutch Cable Adjustment Gap