COLT

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DESCRIPTION

Clutch is a diaphragm spring, strap drive, dry, single disc type. Operation is mechanical through cable actuation. Clutch release bearing is sealed and permanently lubricated.

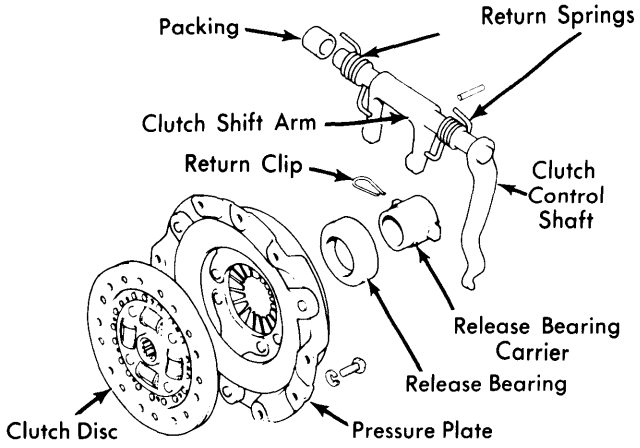

Fig. 1 Exploded View of Clutch Assembly

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

1) With battery disconnected, air cleaners removed and battery cables disconnected from starter, remove starter. Remove two bolts from top of transmission.

2) Inside vehicle, remove dust cover retaining plate and four bolts securing gear shift assembly to extension housing. Remove gear shift lever assembly from vehicle. *NOTE — Lever should be in 2nd gear position before removal.*

3) With car raised and supported on jack stands, drain transmission fluid. Remove speedometer cable and electrical leads from transmission, then remove bolts from rear of propeller shaft and remove shaft from transmission.

4) Disconnect exhaust system from brackets, then disconnect clutch cables. With transmission supported by a jack, remove insulators from crossmembers by removing attaching bolts. *NOTE — Jack should be placed under transmission oil pan, making sure support area is as wide as possible.*

5) Remove each crossmember from frame by pulling off sideways. Remove clutch inspection cover, then remove remaining transmission to engine attaching bolts. Pull transmission to rear and remove from vehicle. *NOTE — Use care not to twist front end of main drive gear.*

6) Insert a suitable clutch centering tool (MD998017) into center of clutch to prevent clutch disc from falling. Loosen clutch attaching bolts alternately and evenly until pressure plate can be removed. Remove pressure plate and clutch disc.

7) To install, reverse removal procedure and note the following: Use a suitable clutch centering tool (MD998017) to center clutch disc on flywheel. Adjust clutch cable and clutch pedal.

CLUTCH CABLE

Loosen cable adjusting wheel inside engine compartment, then loosen lock nut of clutch pedal. Remove clutch cable from pedal lever, then remove cable from clutch shift lever and remove. To install, reverse removal procedure and note the following: Apply engine oil as required to cable. After installing cable, install pads at battery cable area of starter and at rear of engine front support insulator.

CLUTCH RELEASE BEARING & SHIFT ARM

Removal — With transmission removed, remove return clip on transmission side, then slide off release bearing carrier and release bearing. Using a 3/16" punch, remove shift arm spring pin and control lever assembly, then remove the shift arm and return springs.

Installation — Insert control lever into transmission, install return springs, felt packing and shift arm, then lock shift arm to shaft with spring pin. *NOTE — Fill oil seal of shaft with grease. Fit spring pin so that mating ends are lined up in the axial direction. Felt packing should be installed after impregnating it with oil.* Install release bearing carrier and release bearing, then install return clip.

ADJUSTMENT

PEDAL ADJUSTMENT

Adjust bolt so distance between toe board and top face of clutch pedal is 6.5-6.7" (165-170 mm). Pedal stroke must be at least 5.1" (130 mm) to prevent insufficient clutch release. *NOTE — Difference in height between clutch and brake pedals must not exceed .4" (10 mm).*

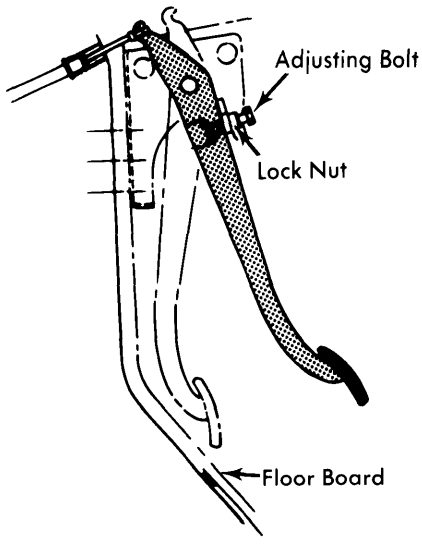

Fig. 2 Clutch Pedal Adjustment Procedure

CLUTCH CABLE

Pull out outer cable slightly from cable holder of toe board and adjust wheel so that wheel-to-cable holder clearance is .20-.24" (5.1-6.1 mm). Check clutch free travel (clearance between diaphragm spring and release bearing) and make sure clearance is .08" (2 mm). Clutch pedal free stroke should be .8-1.4" (20-36 mm) and distance from floor to clutch pedal in released position should be over 1.4" (36 mm).

COLT (Cont.)

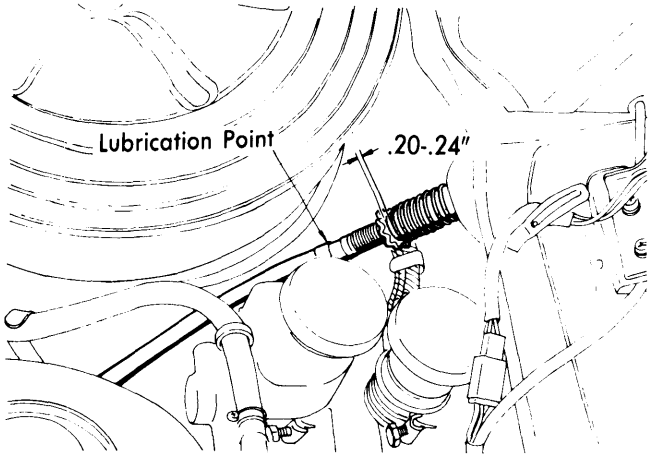

Fig. 3 Clutch Cable Addjustment Procedure & Lubricant Point

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Pressure Plate-to-Flywheel	11-15 (1.5-2.1)
Transmission Mounting Bolts	21-25 (2.9-3.5)
Starter Attaching Bolts	14-22 (1.9-3.0)
Transmission-to-Insulator	7-9 (1.0-1.2)
Insulator-to-Bracket	
1600 cc	4-7 (0.6-1.0)
2000 cc	10-14 (1.4-1.9)
Bracket-to-Frame	7 (1.0)