

TOYOTA COROLLA 1200

Corolla 1200

DESCRIPTION

Clutch is dry, single plate diaphragm spring type. Clutch actuation is mechanical, using a cable connected to clutch pedal. A pre-lubricated clutch release bearing is also used.

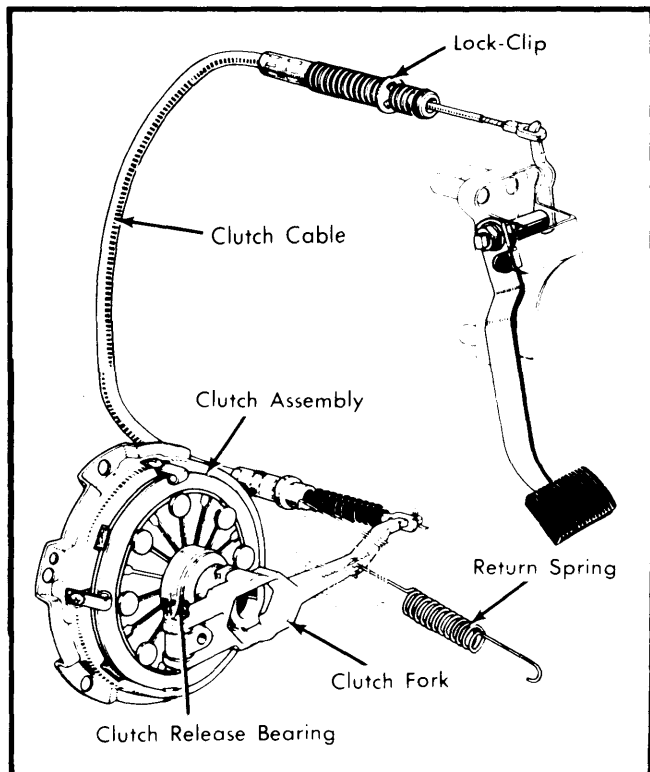


Fig. 1 Clutch System Layout. Use Figure for Component Identification

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

NOTE — Clutch removal procedure outlined is of a general nature.

Removal — 1) From inside vehicle, remove shift lever boot, cap boot, snap ring, conical spring and shift lever. Cover open hole in transmission with a clean shop towel to prevent entry of dirt.

2) From engine compartment, disconnect positive battery cable and drain engine coolant. Disconnect back-up light switch wiring connector and radiator inlet hose. Position cooling fan horizontally.

3) Raise vehicle and support with safety stands. Disconnect drive shaft at differential and slide from transmission. Install a suitable plug (09325-12010) in transmission to prevent loss of lubricant.

4) Disconnect exhaust pipe at exhaust manifold, and exhaust pipe support bracket at transmission. Disconnect speedometer cable from transmission. Support front of transmission with a jack and remove transmission support crossmember.

5) Remove cotter pin from clutch fork and disconnect cable. Drop rear of transmission down, remove retaining bolts, slide transmission to rear, and lower out of vehicle. Remove clutch attaching bolts and remove pressure plate and disc assembly.

Installation — To install, reverse removal procedure and note the following: Long end of clutch disc hub must face transmission. Use a suitable aligning tool (09301-12020) to center disc on flywheel. Alternately tighten clutch attaching bolts evenly.

CLUTCH CABLE

Removal — From inside engine compartment, remove lock clip from clutch cable at firewall. Remove cotter pin from clutch fork and disconnect clutch cable. Disconnect cable from transmission case, and from actuating lever at clutch pedal, and remove from vehicle.

Installation — To install, reverse removal procedure and note the following: Apply grease to cable contacting points on clutch fork. Adjust pedal height and pedal free play.

CLUTCH RELEASE BEARING

Removal — With transmission removed, remove retaining clips from bearing collar and clutch fork. Slide release bearing and collar off transmission input shaft.

Installation — To install, apply grease to all bearing contact points of clutch fork, bearing collar, and transmission front bearing retainer, and reverse removal procedure.

PILOT BEARING

Removal & Installation — With transmission and clutch assembly removed, check bearing in end of crankshaft for roughness or noise during rotation. If defective, remove using a suitable puller (09303-35010). Apply grease to new bearing and install using a suitable driver (09304-12011).

ADJUSTMENT

PEDAL HEIGHT

By turning stop bolt on clutch pedal, adjust pedal height to 6.65" (169 mm). Make height measurement between floor mat and top of pedal pad.

CLUTCH PEDAL FREE PLAY

From inside engine compartment, pull clutch cable out from firewall and remove lock clip. While holding cable out, insert lock clip on cable so that 5 or 6 protrusions and grooves are visible on cable between lock clip and firewall. See Fig. 1. If adjustment is correct, clutch pedal free play will be 0.8-1.4" (20-35 mm).

TIGHTENING SPECIFICATIONS

| Application | Ft. Lbs. (mkg) |
|----------------------------------|-----------------|
| Pressure Plate-to-Flywheel | 11-16 (1.5-2.2) |
| Clutch Housing-to-Engine | 36-58(5.0-8.0) |