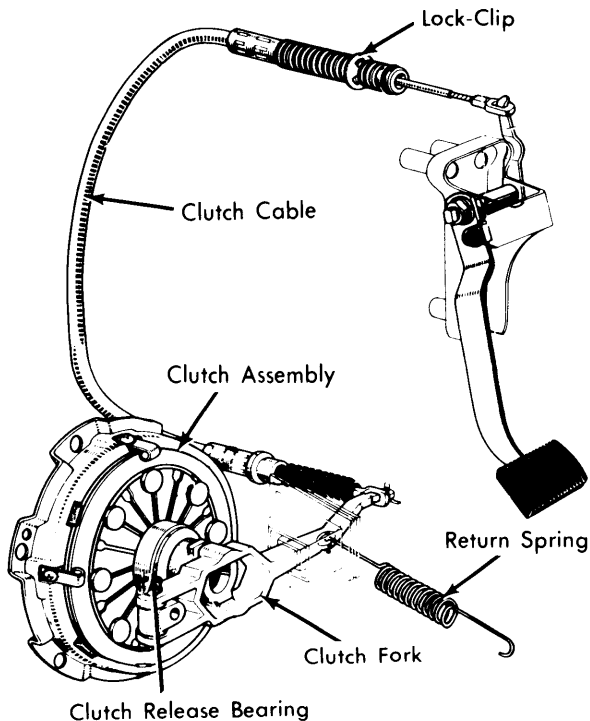


1968-73 TOYOTA COROLLA 1100 & 1200

Corolla 1100 (1968-70)
Corolla 1200 (1970-73)

DESCRIPTION

Clutch is a dry, single plate, diaphragm spring type clutch. Clutch is actuated by a cable connected to clutch pedal. A pre-lubricated clutch release bearing is also employed.



2EM6005

CLUTCH ASSEMBLY & CABLE COMPONENTS

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

Removal — 1) Place shift lever in neutral position and remove shift lever boot. On 1970 and earlier models, remove shift lever retainer with suitable removal tool (09305-12010 or equivalent) and lift off shift lever.

2) On 1971 and later models, remove cap boot, snap ring, conical spring and shift lever. On all models, cover open hole in transmission with a clean shop towel.

3) Disconnect back-up light switch, inlet radiator hose, positive battery cable and exhaust pipe at manifold. Position cooling fan horizontally.

4) Raise vehicle and place safety stands under front and rear. Disconnect drive shaft at differential and remove drive shaft. Install a suitable plug (09325-12010) in transmission to prevent loss of transmission oil.

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

6) On 1970 and earlier models, remove starter and two bolts securing stiffener plate to transmission. On all models, remove cotter pin from clutch fork and disconnect cable.

7) Drop rear of transmission down and remove transmission retaining bolts. Slide transmission to rear and lower out of vehicle. Remove six clutch cover retaining bolts and take off clutch cover and disc.

Installation — To install, reverse removal procedure and note the following: Apply grease to cable connecting points on clutch fork. Align clutch disc with suitable pilot shaft (09301-12010 or equivalent) and install clutch cover, tighten all bolts to specifications. Adjust pedal height and free play.

CLUTCH CABLE REPLACEMENT

1) From inside engine compartment, remove lock-clip from clutch cable at firewall. Remove cotter pin from clutch fork and disconnect clutch cable.

2) Disconnect clutch cable from transmission case. Disconnect clutch cable from actuating lever at clutch pedal and remove clutch cable from vehicle.

3) To install, reverse removal procedure. Adjust pedal height. See *Pedal Adjustment*. Adjust pedal freeplay. See *Clutch Adjustment*.

CLUTCH RELEASE BEARING

Removal — 1) With transmission removed, separate retaining clips from bearing collar and clutch fork. Slide release bearing and collar off transmission input shaft.

2) Rotate bearing to inspect for undue roughness or wear. **NOTE** — *Bearing is pre-lubricated, do not wash in any type of cleaning solution.* If bearing is defective, install new unit on hub.

Installation — Apply grease to all bearing contact points of clutch fork, bearing collar, and transmission front bearing retainer. Reinstall all related parts in reverse of removal procedure.

PILOT BEARING

Removal — 1) With transmission and clutch assembly removed, check pilot bearing in end of crankshaft for roughness or undue noise by rotating bearing in crankshaft.

2) If bearing is defective or in need of replacement, remove by use of suitable puller (09303-35010 or equivalent). Check area around bearing for metal chips or dirt.

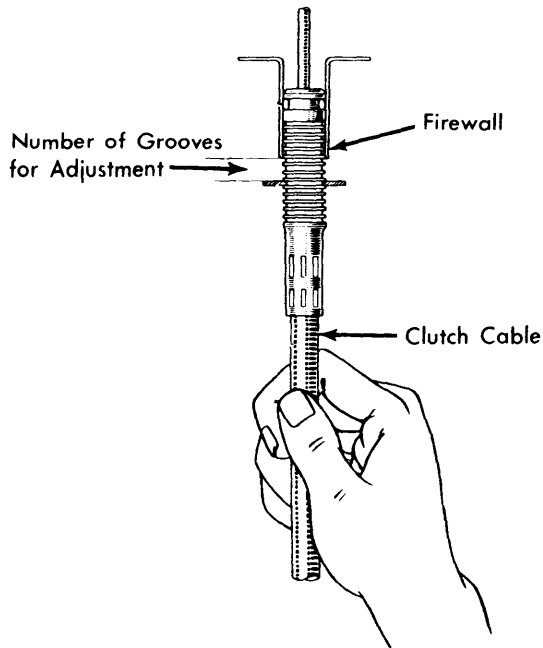
Installation — Apply grease to edges of new bearing. Drive new bearing into end of crankshaft using suitable driver tool (09304-12011 or equivalent). Ensure that bearing is firmly and correctly seated.

1968-73 TOYOTA COROLLA 1100 & 1200 (Cont.)

ADJUSTMENT

CLUTCH ADJUSTMENT

1) From inside engine compartment, pull clutch cable out from firewall and remove lock-clip. Pull out on cable until resistance is felt.



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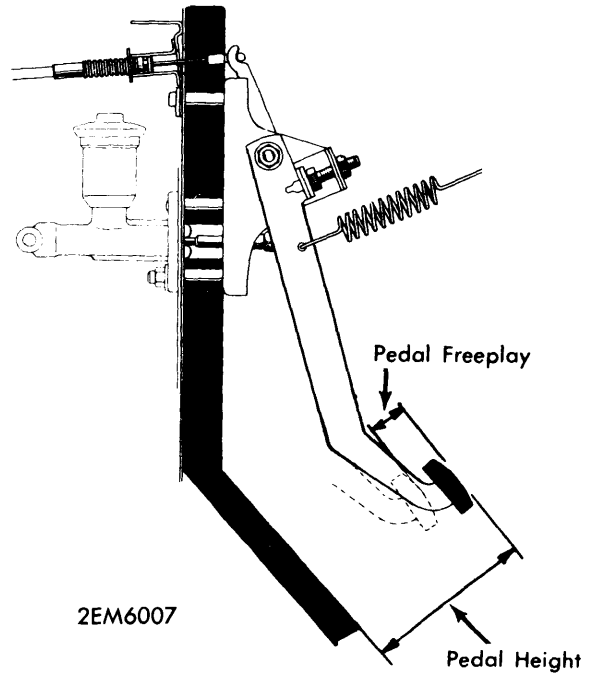
CLUTCH ADJUSTMENT

2) While still pulling on cable, insert lock-clip in third groove from firewall (1970 and earlier models) fourth or fifth groove from firewall (1971 and later models).

3) If adjustment is correct, clutch pedal free play should be .6-1.2" (15-31 mm) on 1970 and earlier models, or .8-1.4" (20-36 mm) on 1971 and later models.

PEDAL ADJUSTMENT

By turning stop bolt on clutch pedal either in or out, adjust pedal height to 5.5-5.9" (140-150 mm). Pedal height is measured from floor mat to top of pedal pad (see illustration).



PEDAL HEIGHT AND FREE PLAY MEASURING POINTS

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Clutch Cover Assembly	11-16 (1.5-2.2)
Clutch Fork Ball	14-29 (1.9-4.0)