

## MAZDA GLC

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## DESCRIPTION

Clutch is a dry, single disc, diaphragm type, and cable actuated. A prelubricated clutch release bearing is used and is located in the transmission housing.

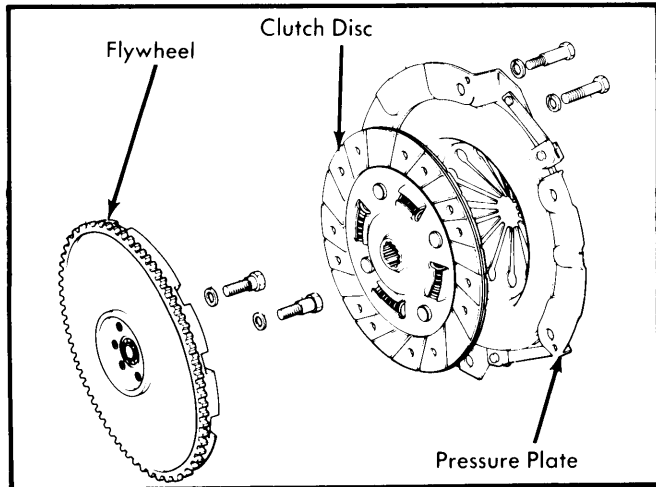


Fig. 1 Exploded View of Clutch Assembly

## REMOVAL &amp; INSTALLATION

## CLUTCH ASSEMBLY

**Removal** – 1) Disconnect battery ground cable. Remove gear shift lever from inside of driver's compartment.

2) Raise vehicle and then support engine and transmission. Disconnect electrical wires from transmission. Remove electrical wires from starter then remove starter.

3) Disconnect exhaust pipe from exhaust manifold and speedometer cable from extension housing on transmission. Disconnect propeller shaft at rear axle and slide shaft from transmission.

**NOTE** – Insert a suitable plug into transmission tail housing to prevent fluid leakage.

4) Support transmission with a jack, disconnect crossmember at transmission and at side supports. Remove crossmember.

5) Remove transmission attaching bolts and slide transmission rearward until input shaft clears clutch splines. Remove transmission.

6) Note flywheel and pressure plate index mark for reassembly reference. Install a flywheel holding tool and loosen clutch attaching bolts one turn at a time until spring pressure is released. Remove clutch assembly.

**Installation** – To install, reverse removal procedure while noting the following:

Lubricate clutch pilot bearing in crankshaft with grease prior to installing clutch.

Use a clutch aligning tool to center disc on flywheel.

Adjust clutch pedal free play.

## CLUTCH RELEASE BEARING &amp; FORK

**Removal** – 1) With transmission removed, disconnect return spring for release bearing.

2) Slide bearing off transmission front cover. Pull release fork outward until spring clip releases from ball pivot.

3) Remove fork from clutch housing.

**Installation** – To install, apply a light coat of grease to all contact surfaces and reverse removal procedure.

**NOTE** – Bearing is prelubricated and should not be washed in any solvent or cleaning solution.

## CLUTCH CABLE

**Removal** – 1) Loosen cable lock nut and adjustment nut. Pull cable toward clutch pedal and disconnect from pedal.

2) Push cable through stop ring into engine compartment. Disconnect cable at clutch lever. See Fig. 2. Remove retainer ring at bracket. Pull cable housing from bracket and remove.

**Installation** – To install, reverse removal procedure.

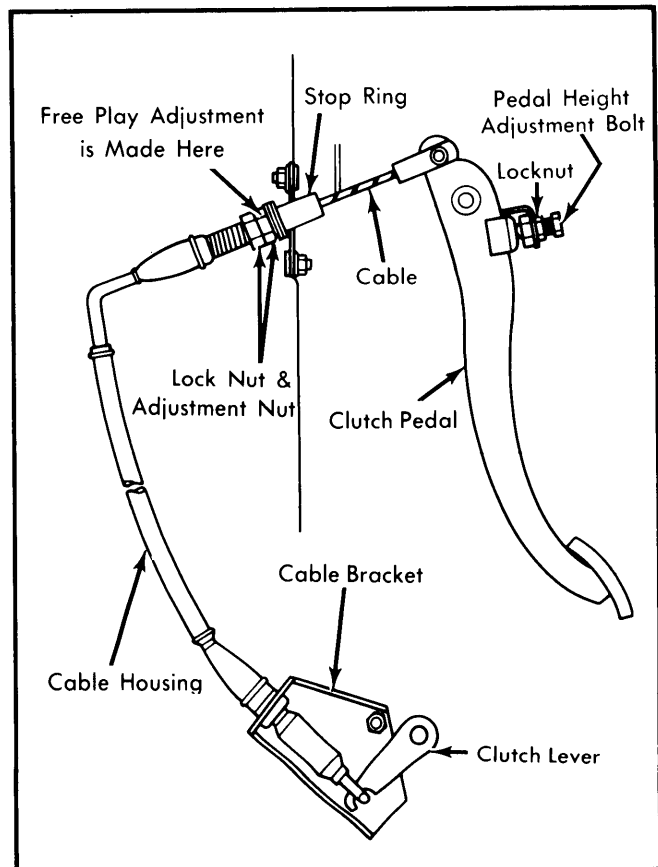


Fig. 2 Installed View of Clutch Cable with Detail of Items to Disconnect for Cable Removal. Illustration Also Shows Pedal Height Location.

## MAZDA GLC (Cont.)

### PILOT BEARING

Pilot bearing is pressed into flywheel. If replacement is required, remove using a puller. To install, lubricate bearing with grease and install into flywheel using a driver.

### ADJUSTMENT

#### CLUTCH PEDAL HEIGHT

Loosen lock nut (Fig. 2) and turn adjusting bolt until pedal height is approximately 7.48" (190 mm). Tighten lock nut. Check clutch pedal free play.

#### CLUTCH PEDAL

**Pedal Free Play – 1)** Loosen lock nut on clutch cable (engine compartment side of firewall).

2) Pull outer clutch cable (housing) away from firewall and measure distance from adjusting nut to cable housing protruding through firewall.

3) Measurement should be .06-.09" (1.5-2.25 mm). If not, turn adjusting nut until correct specification is obtained.

4) Tighten lock nut then check clutch pedal free play. Free play should now be .39-.59" (10-15 mm). If not, readjust clutch cable.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Flywheel-to-Engine .....	112-118 (15.5-16.3)
Pressure Plate Assembly-to-Flywheel .....	13-20 (1.8-2.7)