

HONDA

Civic
Civic CVCC

DESCRIPTION

Clutch is single plate dry disc type, using a diaphragm spring to engage pressure plate. Clutch has a mechanical release system consisting of clutch pedal, cable, clutch release lever, and release bearing.

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

- 1) Raise and support front of vehicle and remove front wheels. Disconnect battery ground cable at battery and transmission case. Remove electrical leads to starter and remove starter. Disconnect clutch cable at release arm, speedometer cable, and electrical leads to transmission.
- 2) Disconnect lower arm ball joints at knuckles using a suitable ball joint remover tool (07941-6340000). Pull driveshafts out of differential case. Drive gear shift rod retaining pin out with a pin driver, and disconnect rod at transmission case. Disconnect gear shift extension at clutch housing.
- 3) Raise and support engine to take load off engine mounts. Remove the two center beam-to-lower engine mount nuts. Remove center beam and engine mount. Reinstall center beam (less mount) and lower engine until it rests on beam.
- 4) Place a jack under transmission and remove four attaching bolts. Slide transmission away from engine and lower jack until transmission clears vehicle. Loosen pressure plate retaining bolts two turns at a time in a circular pattern, and remove clutch assembly.
- 5) To install, reverse removal procedure and note the following: Use a suitable aligning pin to center clutch disc on flywheel. When installing pressure plate, align mark on outer edge of flywheel with alignment mark on pressure plate. Tighten pressure plate retaining bolts two turns at a time in a circular pattern to prevent distorting diaphragm spring.

CLUTCH RELEASE LEVER & BEARING

- 1) With transmission removed, unbend locking tab and remove the 8 mm release arm retaining bolt. Slide release

shaft out of transmission case. Slide release arm and release bearing off transmission input shaft as an assembly.

- 2) Separate release bearing from arm taking care not to damage retaining clip. **NOTE** - Attempting to remove or install release bearing with release arm in case will damage retaining clip. Using a suitable bearing driver, separate release bearing from holder.

- 3) **NOTE** - Bearing is filled with grease and should not be immersed in cleaning solvent. To install, reverse removal procedure and note the following: Install release bearing with radiused (rounded) side opposite holder. When installing release shaft and arm, place a lock tab washer under retaining bolt.

ADJUSTMENT

CLUTCH PEDAL

- 1) Check clutch pedal height and if necessary, adjust upper stop so that clutch and brake pedals rest at approximately same height from floor. **NOTE** - Before adjusting clutch pedal height, make sure brake pedal free play is properly adjusted.

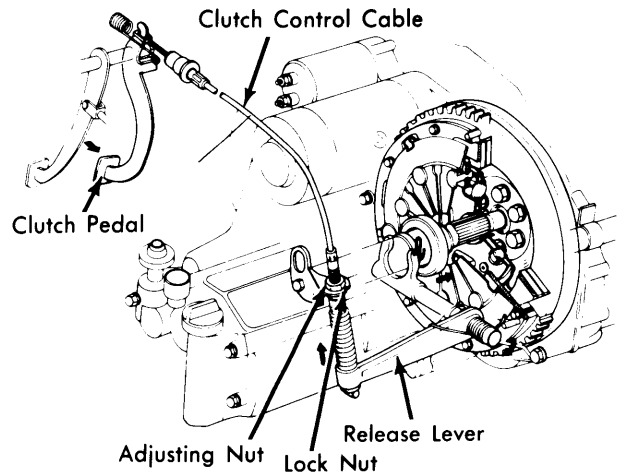


Fig. 2 Clutch Adjustment Point for Civic

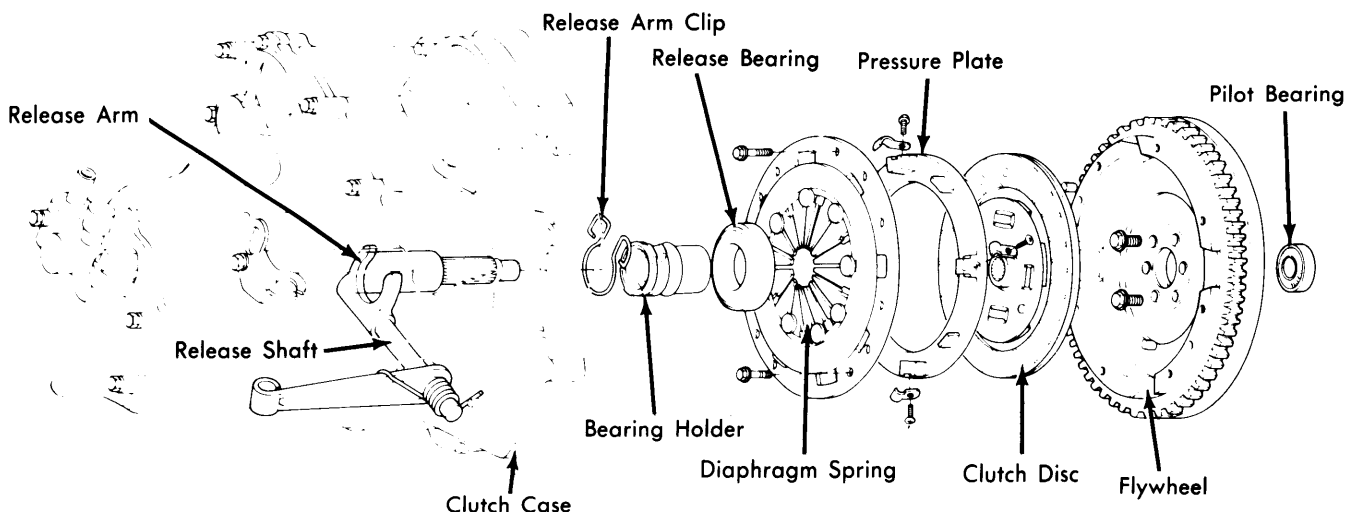


Fig. 1 Exploded View of Clutch Assembly with Bell Housing

Clutches

HONDA (Cont.)

2) On Civic models, adjust clutch release lever to .12-.16" (3-4 mm) free play, measured at release lever. Adjustment is made at outer cable housing adjuster near release lever. **NOTE** — Insure upper and lower adjusting nuts are tightened after adjustment.

3) On Civic CVCC models, adjust clutch cable clip (near firewall) until pedal free play is approximately .6-.8" (15-20 mm).

4) Check clutch pedal release height as follows: Raise front wheels off ground and place transmission in fourth gear. Depress clutch pedal and start engine. Release pedal until wheels start to turn, and measure pedal height at this point. Pedal release height should be greater than 1.18".

NOTE — If release lever free play and pedal height are properly adjusted, but pedal release height is not within specifications, clutch components are damaged.

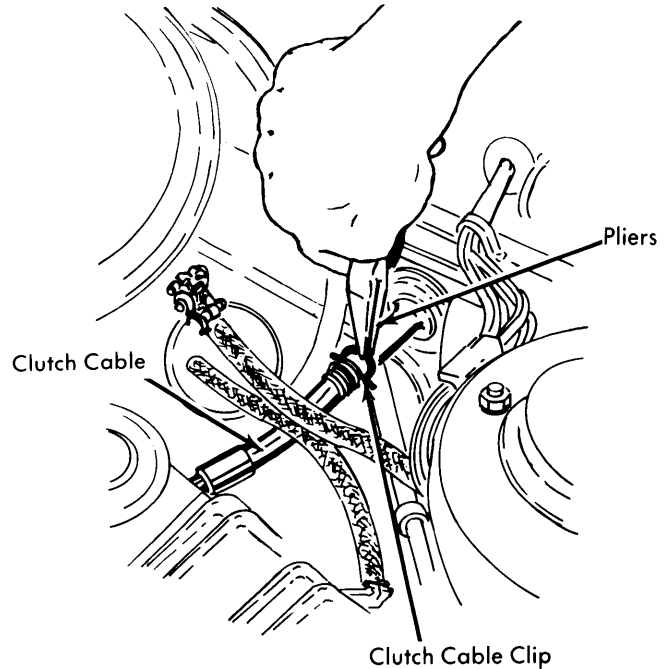


Fig. 3 Clutch Pedal Adjustment Point for CVCC

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs (mkg)
Clutch-to-Flywheel	7-10 (.97-1.3)
Flywheel-to-Crankshaft.....	34-38 (4.7-5.2)
Release Arm Bracket Bolt	14-20 (1.9-2.7)
Clutch Case-to-Engine (Civic)	29-36 (4.0-4.9)