

## HONDA ACCORD &amp; PRELUDE

Accord  
Prelude

## DESCRIPTION

Clutch is a single plate, dry disc type. Clutch assembly consists of clutch disc, clutch cover and pressure plate assembly, and clutch release mechanism. Clutch release mechanism is hydraulic, consisting of a firewall mounted master cylinder and a slave cylinder mounted to clutch housing. Clutch release fork free play is adjustable.

## REMOVAL &amp; INSTALLATION

## CLUTCH

**Removal** — 1) Disconnect battery ground at transmission. Put gear shift in Neutral. Disconnect following electrical wiring.

- Positive battery cable at starter.
- Black/White wire from starter solenoid.
- Yellow/Green wire from water temperature sending unit.
- Black/Yellow and yellow wires from ignition timing thermostat.
- Green/Black and yellow wires from back-up light switch.
- Red/Blue wires from distributor.

2) On Prelude, remove speedometer cable clip and speedometer cable without disassembling gear holder. On all models, remove clutch slave cylinder with hydraulic line attached. Remove right side starter mount bolt and upper transmission mounting bolts.

3) Raise and suitably support vehicle; drain transmission fluid. Remove front wheels and engine shields. Support transmission with transmission jack. Remove stabilizer bar retaining nuts. On Prelude, remove both mounting brackets and then stabilizer bar.

4) On Accord, remove subframe center beam and transmission stopper bracket from clutch housing front. Then remove shift rod yoke attaching bolt and disconnect lower torque rod at transmission.

5) On all models, disconnect both lower arm ball joints and tie rod end ball joints with suitable remover. Turn right steering knuckle to outer most position with screwdriver against in-board constant velocity (CV) joint. Pry right axle out of transmission housing  $\frac{1}{4}$ " (forcing axle spring clip out of groove inside differential gear splines). Pull axle out of housing. Repeat operation on left axle.

6) On Prelude, disconnect shift lever torque rod from clutch housing; remove shift rod clevis bolt and engine torque rods and brackets. On Accord, remove clutch cover.

7) On all models, remove remaining starter mounting bolt and remove starter. Remove remaining transmission mounting bolts. On Accord, remove engine-to-transmission mounting bolts.

8) On Prelude, remove upper engine damper bracket bolt. On all models, pull transmission away from engine to clear dowel pins (remove both lower damper bracket bolts at same time on Prelude). Lower transmission and remove from vehicle.

9) Install suitable flywheel holding device on ring gear. Remove pressure plate mounting bolts 2 turns at a time in a criss-cross pattern. Remove pressure plate and separate clutch disc.

**Installation** — To install, reverse removal procedure and note: Make sure flywheel dowels align with pressure plate dowel holes. Use suitable clutch disc alignment tool and torque pressure plate bolts in criss-cross pattern. Refill transmission with SAE 10W-40 oil.

## CLUTCH MASTER CYLINDER

**Removal** — Separate clutch pedal operating rod from master cylinder push rod by removing through pin at clevis. Disconnect and plug hydraulic lines. Remove nuts mounting master cylinder to firewall. Make sure brake fluid does not spill on painted surfaces.

**Installation** — To install, reverse removal procedure and bleed hydraulic system.

## CLUTCH SLAVE CYLINDER

**Removal** — Disconnect hydraulic line from slave cylinder. Unhook return spring. Separate threaded rod from end of slave cylinder. Remove slave cylinder mounting bolts and take cylinder off clutch housing.

**Installation** — To install, reverse removal procedure and bleed hydraulic system.

## CLUTCH RELEASE FORK AND BEARING

**Removal** — With transmission removed, separate slave cylinder push rod from release fork. Slide release fork through slot in clutch housing (inward) and remove fork. Release fork bolt can now be removed, if necessary. Slide bearing out of release fork. Using a driver, release bearing can be separated from holder, if necessary.

**Installation** — To install, reverse removal procedure and lightly coat all moving parts and contact areas with grease.

## OVERHAUL

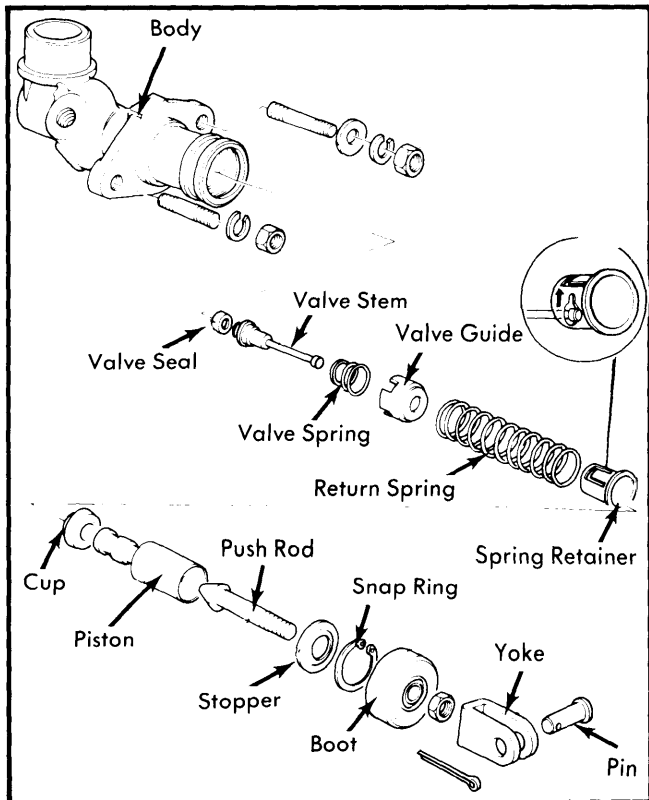
## MASTER CYLINDER

**NOTE** — The master cylinders used on Accord and Prelude differ in external appearance. Overhaul procedures are similar.

1) Remove boot and take off snap ring. Cover open end of cylinder with a shop rag and force piston out with compressed air. Bend spring retainer tabs and separate piston, cups, retainer, return spring and valve assembly.

2) Clean all parts with brake fluid and check for wear or damage. If cylinder bore-to-piston clearance exceeds .006" (.15 mm), replace defective part. Replace all rubber parts during overhaul. Reassemble by reversing disassembly procedure: Rotate piston during installation.

## HONDA ACCORD & PRELUDE (Cont.)

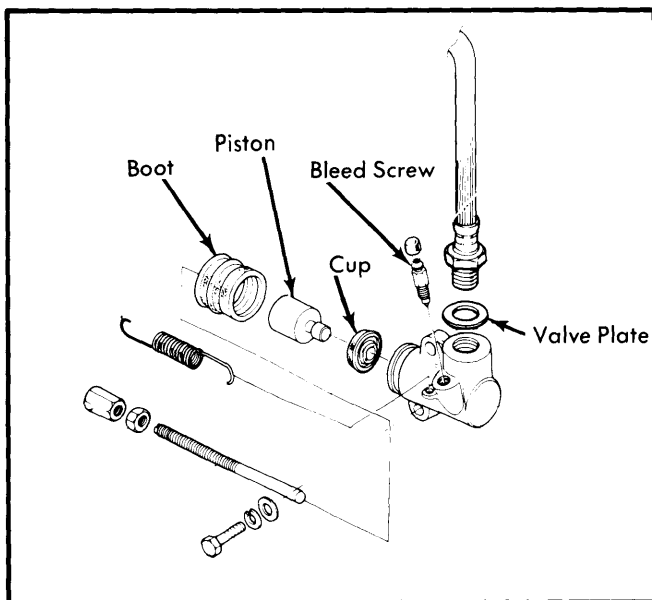


**Fig. 1 Exploded View of Accord Master Cylinder. Prelude Cylinder is Similar Except Fluid Reservoir Is Separate From Cylinder Body**

### CLUTCH SLAVE CYLINDER

1) Remove push rod and dust boot. Cover open end of cylinder with a shop rag and force piston out with compressed air. Remove piston cup and bleed screw.

2) Clean all parts in brake fluid and check for wear or damage. If cylinder bore-to-piston clearance exceeds .006" (.15 mm), replace defective part. Replace all rubber parts dur-



**Fig. 2 Exploded View of Slave Cylinder**

ing overhaul and coat all parts with brake fluid prior to reassembly. To reassemble, reverse disassembly procedure and insert piston with rotating motion.

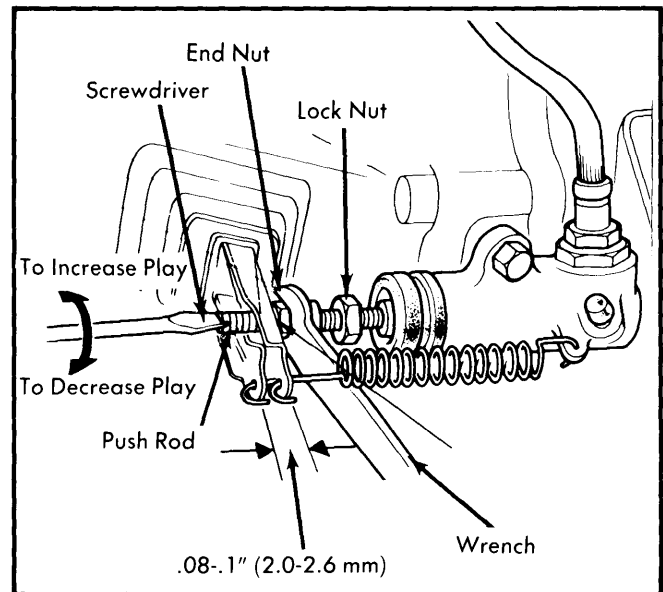
### ADJUSTMENT

#### CLUTCH PEDAL HEIGHT AND FREE PLAY

Adjust clutch pedal height to 7.24" (184 mm) by rotating pedal stop bolt in direction necessary to achieve specified height. Adjust pedal free play clearance (between clutch pedal push rod and master cylinder) to .05-.13" (1-3 mm) by loosening lock nut on push rod and rotating push rod.

#### CLUTCH RELEASE FORK FREE PLAY

Release fork free play should be .08-.10" (2.0-2.6 mm). To adjust, loosen lock nut and hold push rod end nut stationary while rotating push rod with screwdriver. Turn clockwise to decrease free play; counterclockwise to increase free play.



**Fig. 3 Clutch Release Fork Adjustment Locations**

### TIGHTENING SPECIFICATIONS

| Application                       | Ft. Lbs. (mkg)  |
|-----------------------------------|-----------------|
| Master Cylinder Attaching Bolts   | 5-9 (.7-1.2)    |
| Slave Cylinder-to-Clutch Housing  | 14-18 (1.9-2.5) |
| Hydraulic Lines                   | 14 (2.0)        |
| Flywheel-to-Crankshaft Bolts      |                 |
| Accord                            | 49-53 (6.8-7.3) |
| Prelude                           | 51 (7.1)        |
| Pressure Plate-to-Flywheel        |                 |
| Accord                            | 7-10 (1.0-1.4)  |
| Prelude                           | 19 (2.6)        |
| Master Cylinder Push Rod Lock Nut | 22-29 (3-4)     |