

CHRYSLER CORP.

DESCRIPTION

Clutches are a single plate dry disc design. A 3 finger release system is used. The 3 pressure plate release levers are preset during manufacture and no attempt should be made to adjust them.

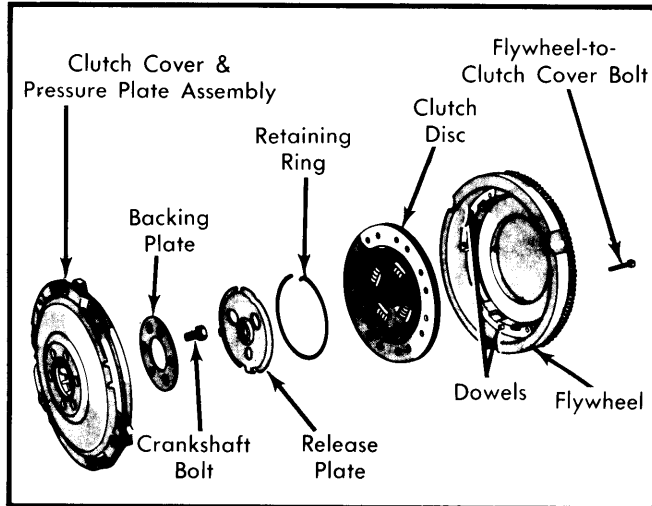


Fig. 1 Horizon and Omni Clutch Disassembled

REMOVAL & INSTALLATION

CLUTCH

Removal (Horizon & Omni) – 1) Remove transaxle. Diagonally loosen bolts attaching flywheel to pressure plate, backing off 1 turn at a time to prevent clutch cover warping.

2) Remove flywheel and clutch disc from pressure plate. Remove retaining ring and release plate.

3) Mark parts for reassembly reference and loosen pressure plate-to-crankshaft bolts. Remove backing plate and pressure plate.

Installation – 1) Align marks made on removal and install pressure plate and spacer to crankshaft. Install bolts with Loctite (or equivalent) on threads and tighten. Install release plate and retaining ring.

2) Align flywheel dowel with grooved dowel hole in clutch cover. Install clutch disc and flywheel on pressure plate, aligning clutch disc with an aligning tool (L-4533).

3) Install flywheel-to-pressure plate bolts and tighten 2 turns at a time. Remove centering tool and install transaxle.

Removal (All Other Models) – 1) On Aries and Reliant, remove transaxle. On all others, remove transmission, clutch housing pan, return spring and fork rod. Remove clutch release bearing and carrier assembly from clutch release fork. Remove fork and boot from clutch housing.

2) On all models, mark clutch cover and flywheel for reassembly reference. On Aries and Reliant, insert a clutch aligning tool (C-4676). On all models, loosen clutch cover bolts alternately and evenly 1 or 2 turns at a time.

3) Remove clutch cover and disc. On Aries and Reliant, remove release shaft bearing. Remove fork from release bearing thrust plate.

Installation – To install, reverse removal procedure. Use a clutch aligning tool to align clutch disc before tightening clutch cover.

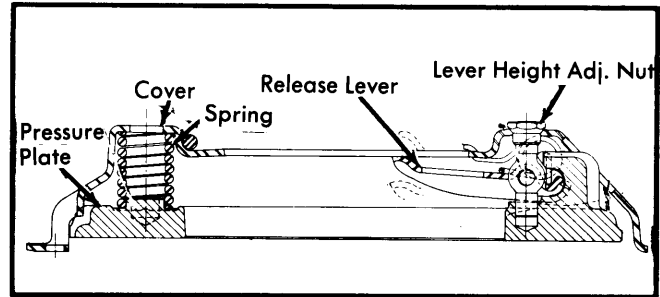


Fig. 2 Cross Sectional View of Chrysler Corp. Clutch (Except Horizon & Omni)

PILOT BUSHING

Using suitable puller (SP-3613) remove bushing. Before installing new bushing soak it in oil. For installation, use suitable driver; then place small amount of grease in crankshaft cavity, forward of bushing.

ADJUSTMENT

PEDAL ADJUSTMENT

NOTE – Aries and Reliant models do not require adjustment.

Horizon & Omni – Pull up on clutch cable and rotate sleeve on bottom of cable downward until snug contact is made against grommet. Free play should be $\frac{1}{4}$ ".

All Others – Adjust self-locking nut on clutch fork to provide $\frac{5}{32}$ " free movement at fork-to-push rod pin. This will provide 1" of free play at pedal.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Horizon & Omni	
Pressure Plate-to-Crankshaft Bolts	55
Flywheel-to-Pressure Plate Bolts	15
All Others	
Clutch Cover-to-Flywheel Bolts	① 17
Clutch Fork Pivot Bolts	17
Clutch Housing Pan Bolts	17
Flywheel Bolts	55
Transmission-to-Clutch Housing Bolts	
$\frac{3}{8}$ " Bolts	30
$\frac{7}{16}$ " Bolts	50

① – Aries & Reliant 21 ft. lbs.