

PEUGEOT

 504
604

DESCRIPTION

Clutch is a dry, single disc, diaphragm spring type. Clutch actuation is hydraulic, using a firewall mounted master cylinder and a bell housing mounted slave cylinder. A pre-lubricated clutch release bearing is also used. Due to hydraulic system design, no adjustments, with the exception of bleeding hydraulic system, is necessary.

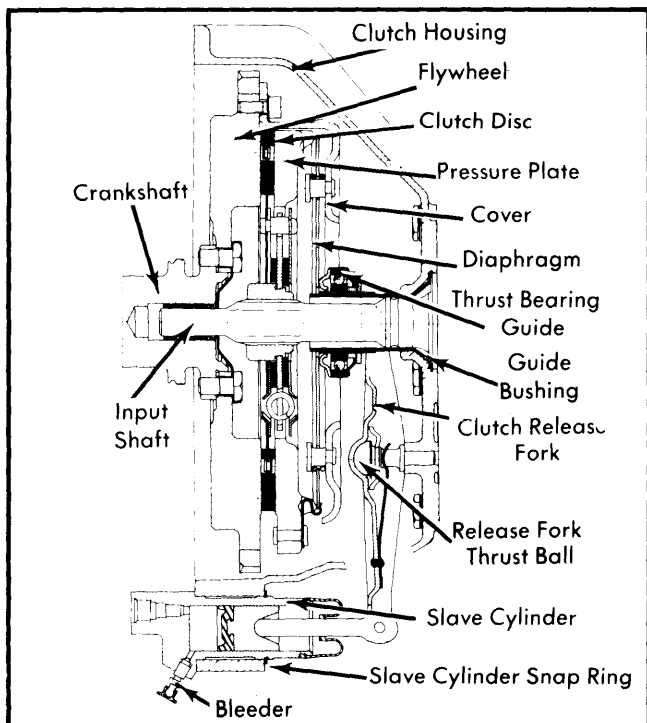


Fig. 1 Sectional View of Clutch Assembly

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

NOTE — Engine and transmission must be removed as an assembly. See Peugeot article in ENGINE Section.

Removal — 1) Remove engine/transmission assembly. Place engine/transmission assembly on floor or suitable support. On 604 models, remove cover plate from clutch housing and starter mounting bolts and cover. On all models, remove clutch housing-to-engine bolts.

2) Mark pressure plate and flywheel for reassembly reference. Remove Allen head bolts and remove clutch assembly. Separate clutch disc and pressure plate.

Installation — Lube transmission input splines and clutch release bearing guide with Molykote (or equivalent). Use appropriate centering tool to center clutch assembly on flywheel. To install, reverse removal procedure and ensure reference marks are aligned.

NOTE — Clutch disc must be installed with flexible hub toward transmission. Replace pressure plate mounting bolt washers during installation.

CLUTCH RELEASE BEARING & FORK

Removal — Remove slave cylinder from clutch housing. Remove release bearing from fork by turning it counter-clockwise. Remove clutch fork by pulling it outward until backing spring is disengaged from ball stud.

Installation — Pack rubber cup on ball stud with grease. To install clutch fork, slide fork from inside toward outside of clutch housing. Lift fork backing spring with a screwdriver and engage fork on ball stud with spring seated against rubber cup. Install release bearing by sliding onto shaft and engaging fork with clockwise rotation.

NOTE — Bushing is self-lubricated. DO NOT wash in any cleaning solution. Lubricate with motor oil when installing.

PILOT BUSHING

Bushing is press fit in rear of crankshaft. Bushing must be replaced if excessive clearance with transmission input shaft is evident. Remove and install bushing using suitable pullers and drivers.

CLUTCH MASTER CYLINDER

Disconnect and plug master cylinder hydraulic lines from fluid reservoir and to slave cylinder. Remove bolts securing master cylinder to pedal assembly and remove master cylinder. To install, reverse removal procedure and bleed hydraulic system.

CLUTCH SLAVE CYLINDER

Disconnect hydraulic line at slave cylinder. Remove snap ring securing cylinder in bell housing, then slide slave cylinder from bell housing mounting. To install, reverse removal procedure and bleed hydraulic system.

ADJUSTMENT

HYDRAULIC SYSTEM BLEEDING

Fabricate bleed tube using suitable rubber hose, clamps and adaptor from suitable bleeder kit (ARC 50). Attach hose to slave cylinder bleeder and pressure bleeder (ARC 50 or equivalent) to bleed tube. Adjust bleed pressure to 25.6 psi (1.8 kg/cm²). Open bleed screw and observe fluid level in master cylinder. Close bleed screw when fluid reaches specified level.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Clutch Housing-to-Engine Bolts	
504	40 (5.5)
604	29 (4)
Clutch Housing-to-Transmission Bolts	
504	7 (1)
604	20 (2.8)