

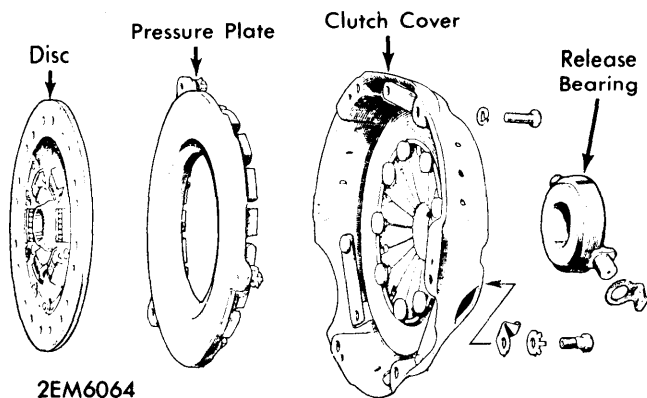
Clutches

1963-73 MGB & MGB/GT

MGB (1963-73)
MGB/GT (1966-73)

DESCRIPTION

MGB clutch assembly is of the diaphragm spring type, hydraulically operated. Main components of clutch system are; disc, pressure plate assembly, release bearing, and clutch housing. Hydraulic system incorporates a firewall-mounted master cylinder and a clutch housing-mounted slave cylinder.



CLUTCH ASSEMBLY

REMOVAL & INSTALLATION

CLUTCH

NOTE — Manufacturer recommends removing engine and transmission as an assembly to avoid any unnecessary damage to clutch assembly.

- 1) To remove engine, See *Engine Removal* in **ENGINE** Section.
- 2) Remove bolts securing clutch assembly to flywheel by extracting evenly. Pressure plate assembly can now be withdrawn off dowels and further disassembled.
- 3) To install clutch and transmission assemblies, reverse removal procedures.

CLUTCH MASTER CYLINDER

Remove bolts securing brake and clutch master cylinder cover. Drain fluid from reservoir. Disconnect clevis pin from push rod and disengage clutch pedal. Clean hydraulic line connections, disconnect, and plug openings. Withdraw mounting bolts and detach master cylinder. To install, reverse removal procedure.

CLUTCH SLAVE CYLINDER

Drain slave cylinder. Disconnect hydraulic inlet line and remove two bolts mounting cylinder to clutch housing. Cylinder may be withdrawn with push rod either attached or detached at clutch fork.

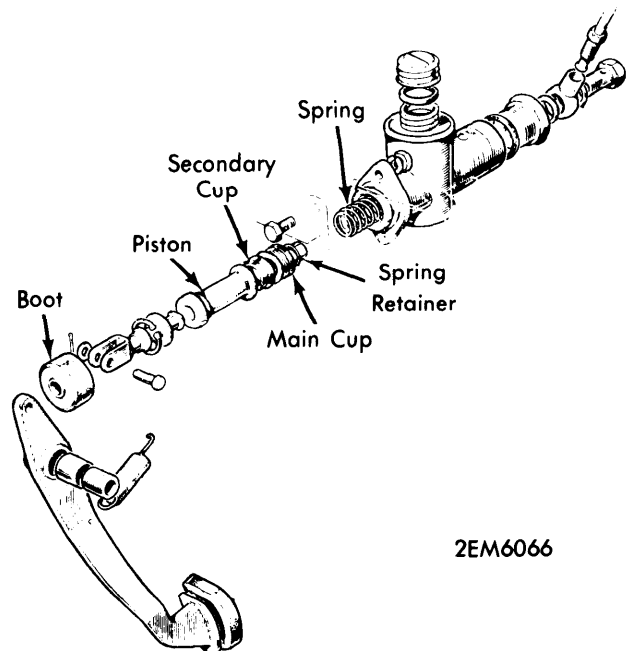
CLUTCH RELEASE BEARING

Release bearing is mounted in a cup which fits into clutch fork. Cup is held into position by spring retainers. To remove, rotate spring retainer 90° and lift out bearing.

OVERHAUL

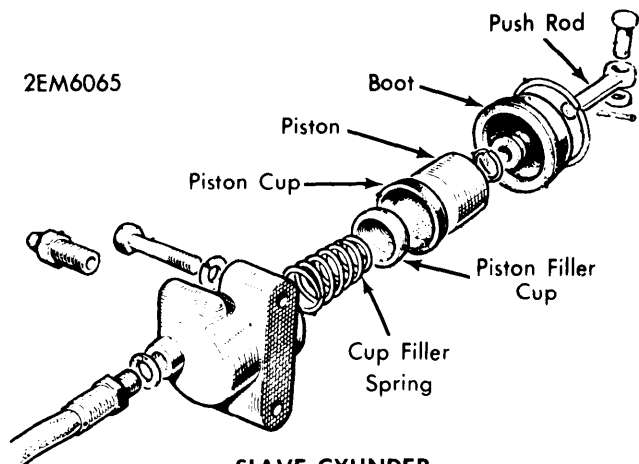
CLUTCH MASTER CYLINDER

1) Detach rubber boot. Remove circlip and push rod assembly. Withdraw piston, piston washer, main cup, spring retainer, and spring. Remove secondary cup by carefully stretching it over end of piston.



CLUTCH MASTER CYLINDER

- 2) Clean all components in suitable brake fluid. Inspect rubber parts and replace any questionable pieces. Metal parts must be thoroughly dried. Ensure by-pass ports are unrestricted.
- 3) Prior to reassembly dip components in brake fluid. Stretch secondary cup over piston with lip of cup facing head of piston. Insert return spring, large diameter first, in bore and position spring seat on small diameter end. Assemble main cup, piston washer, piston, and push rod. When assembling cups carefully fit lip edge. Depress piston, position piston stop, and install circlip. Reposition rubber boot and fit dust shield.



SLAVE CYLINDER

1963-73 MGB & MGB/GT (Cont.)

CLUTCH SLAVE CYLINDER

1) Remove rubber boot and, using compressed air, force out piston seal. Extract spring and cup filler. Inspect all components and replace any found damaged.

2) To assemble, place in cylinder, spring, filler, cup, and piston. Depress piston and refit rubber boot. Secure boot to push rod and fit boot to cylinder.

ADJUSTMENT

HYDRAULIC SYSTEM BLEEDING

Open bleed screw on slave cylinder three-quarters turn and attach tube. Submerge free end of tube in a half-full container of brake fluid. Using slow, full strokes, pump clutch pedal until all air bubbles stop. Close bleed screw on last downward stroke.

NOTE — Do not let master cylinder run dry during this procedure.