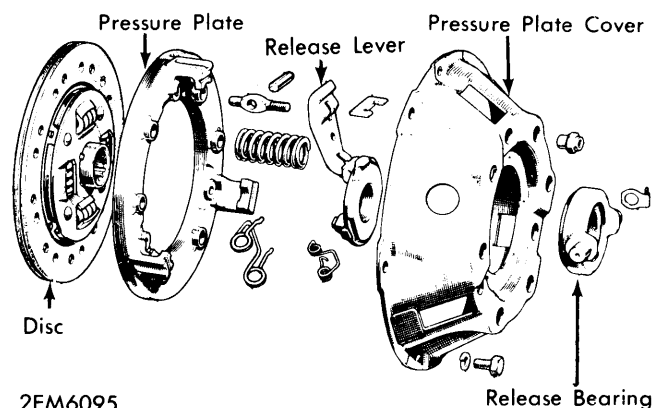


MG MIDGET

Midget

DESCRIPTION

The clutch is a single, dry-disc type, using a diaphragm spring type pressure plate. Clutch actuation is hydraulic. Hydraulic components are a firewall-mounted master cylinder and a clutch housing-mounted slave cylinder. The hydraulic design of the clutch control eliminates the necessity of pedal adjustment.



CLUTCH ASSEMBLY

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

Remove engine. See *Engine Removal* in ENGINE Section. If engine and transmission are removed as an assembly, disconnect and remove transmission. Mark all parts for reassembly reference, then loosen clutch attaching bolts one turn at a time until pressure plate spring tension is released. Remove bolts and clutch assembly. To install, use a suitable aligning tool (18G 139) to center clutch disc on flywheel, and reverse removal procedures.

CLUTCH MASTER CYLINDER

Remove pedal housing lid and disconnect hydraulic line from clutch master cylinder. Withdraw cotter pin from clevis which connects push rod to clutch pedal. Remove two bolts holding master cylinder to pedal housing, then remove cylinder.

NOTE — After reinstalling clutch master cylinder, bleed hydraulic system. See *Hydraulic System Bleeding*.

CLUTCH SLAVE CYLINDER

Remove fluid inlet line at slave cylinder. Remove cotter pin and clevis pin from clutch release lever yoke. Remove slave cylinder attaching bolts, and remove cylinder assembly. To install, reverse removal procedure and bleed hydraulic system.

CLUTCH RELEASE BEARING

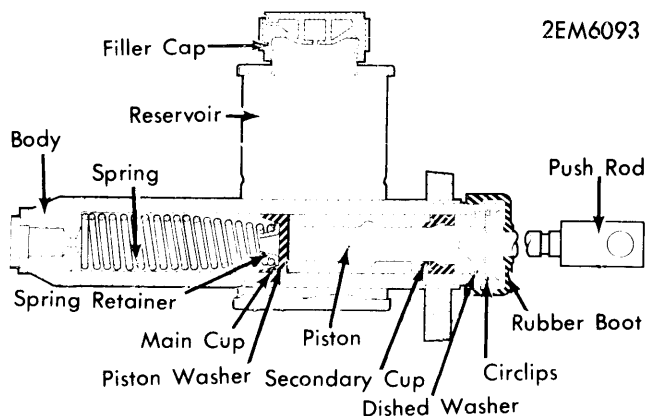
After removing clutch release bearing from its position, examine it for cracks or deep pits. If cracks or pits are present, replace bearing. Measure bearing from metal cup. If protrusion is less than 1/16", replace bearing.

OVERHAUL

CLUTCH MASTER CYLINDER

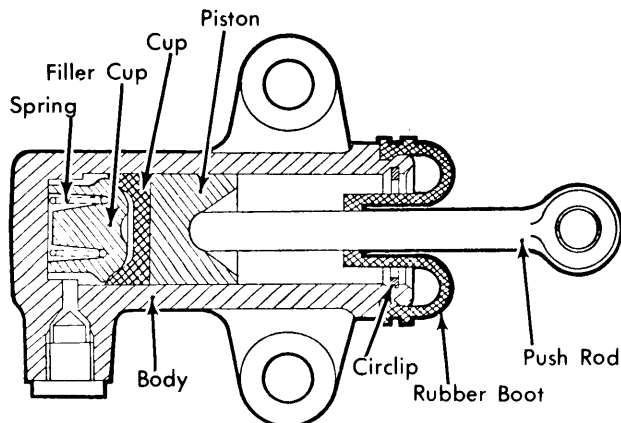
1) Drain fluid and detach rubber boot. Disconnect and withdraw push rod. Completely disassemble all internal components.

2) Clean and thoroughly dry all parts. Examine internal components for damage and replace as necessary. Manufacturer recommends replacing rubber parts at each overhaul.



CLUTCH MASTER CYLINDER

3) Before reassembly dip all components in brake fluid. Fit secondary cup to piston. Put spring retainer into small diameter end of spring and insert spring into body, large diameter first. Position main cup, washer, piston, and push rod. Install circlip and rubber boot.



CLUTCH SLAVE CYLINDER

MG MIDGET (Cont.)

CLUTCH SLAVE CYLINDER

Remove rubber boot, circlip and push rod. Using compressed air, force piston and cup seal out of cylinder bore. Wash cylinder body in a suitable cleaning solution. *NOTE — Wash internal parts in clean hydraulic fluid only.* To assemble, lubricate all parts with clean hydraulic fluid and reverse disassembly procedure.

ADJUSTMENT

CLUTCH PEDAL FREE PLAY

Free play is preset at factory and should not need adjustment. However, if adjustment has been disturbed, adjust master

cylinder push rod until pedal can be depressed approximately $\frac{5}{32}$ " before piston begins to move. When adjustment is correct, distance between master cylinder push rod and piston will be $\frac{1}{32}$ ".

HYDRAULIC SYSTEM BLEEDING

Fill master cylinder and attach a bleed hose to slave cylinder bleed valve; submerge free end of hose in a half-full container of brake fluid. Pump clutch pedal, open bleed valve approximately three-quarters turn; at end of down stroke close bleed valve. Continue procedure until air bubbles stop.