

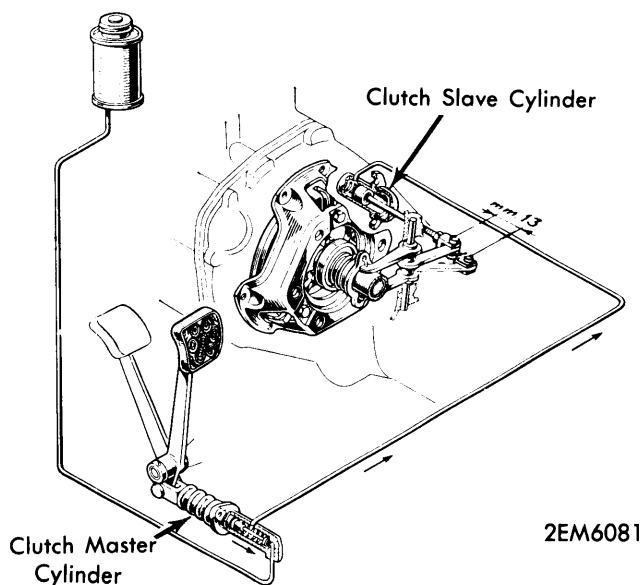
Clutches

1963-73 ALFA ROMEO HYDRAULIC CLUTCH

Alfa Romeo 2600 (1963-67)
Alfa Romeo 1750 (1968-71)
Alfa Romeo 2000 (1972-73)

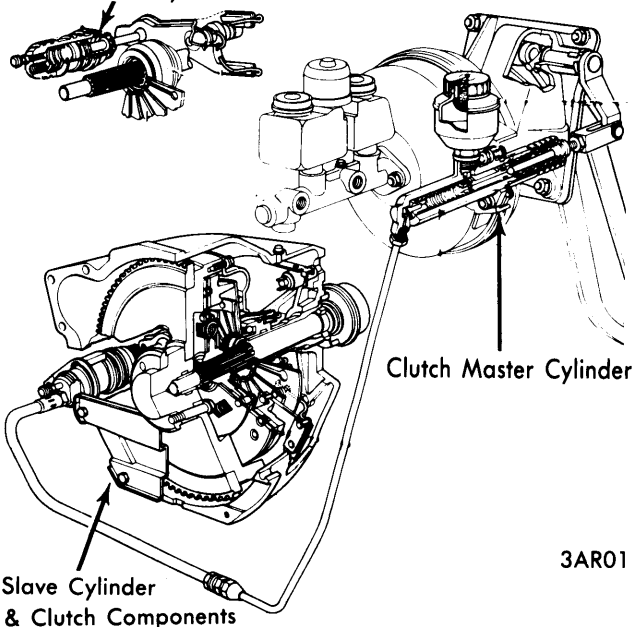
DESCRIPTION

Alfa Romeo clutch mechanism is hydraulically operated. Alfa Romeo 2600 and 1750 models (1963-70) have clutch master cylinder located under car with clutch slave cylinder mounted on right side of clutch housing. Alfa Romeo 1750 and 2000 models (1971 and later) have clutch master cylinder located on firewall next to brake master cylinder, clutch slave cylinder remains on right side of clutch housing. Clutch assembly main components are; disc, coil spring pressure plate, clutch release bearing, pilot bushing (with felt washer), and clutch housing.



CLUTCH HYDRAULIC CIRCUIT (1963-70)

Clutch Slave Cylinder



Slave Cylinder
& Clutch Components

CLUTCH HYDRAULIC CIRCUIT (1971 & LATER)

REMOVAL & INSTALLATION

CLUTCH

2600 Models - 1) Disconnect and remove drive shaft. Disconnect exhaust pipe bracket, speedometer, back-up lights and clutch inspection cover.

NOTE - Sprint and Spider models with floor shift, remove carpet and tunnel, dust bellows, and gearshift selector.

2) Disconnect slave cylinder linkage and exhaust pipe from manifold. Remove rear crossmember. Remove bolts mounting transmission to engine and pull transmission rearward.

3) Remove bolts mounting clutch assembly to flywheel and lift from vehicle. To install clutch and transmission, reverse removal procedure.

1750 & 2000 Models - Information on clutch removal and installation is not available at time of publication.

CLUTCH MASTER CYLINDER

Cylinder is located in front part of chassis near exhaust pipe. To remove, proceed as follows: Disconnect inlet and outlet lines. Disconnect pedal from cylinder. Unhook piston return spring. Unbolt cylinder and remove from vehicle. To install, reverse removal procedure.

CLUTCH SLAVE CYLINDER

Disconnect inlet hose from cylinder and pivot pin securing rod lever. Unscrew nuts securing cylinder to clutch housing and remove cylinder from vehicle. To install, reverse removal procedure.

OVERHAUL

CLUTCH

1) Disassemble and clean all parts thoroughly. Check each piece for undue wear or fatigue. Inspect clutch disc for oil soaking or heat damage which may cause slippage. Carefully test throw-out bearing for undue noise or excessive play.

2) Replace any component which shows signs of excessive wear or fatigue. Carefully check all parts to see that no oil or grease remains in clutch surface area. Reassemble all parts in reverse order of removal from flywheel. Check transmission input shaft for burrs or chips before installing transmission.

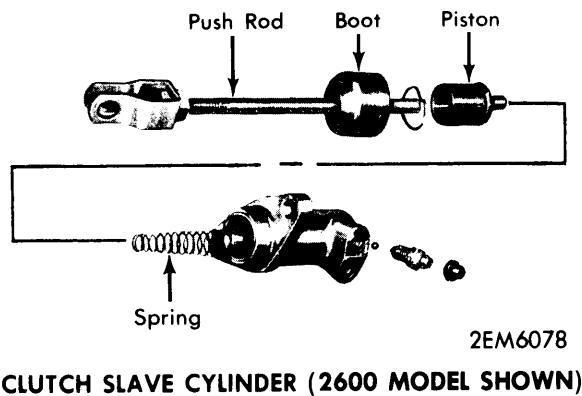
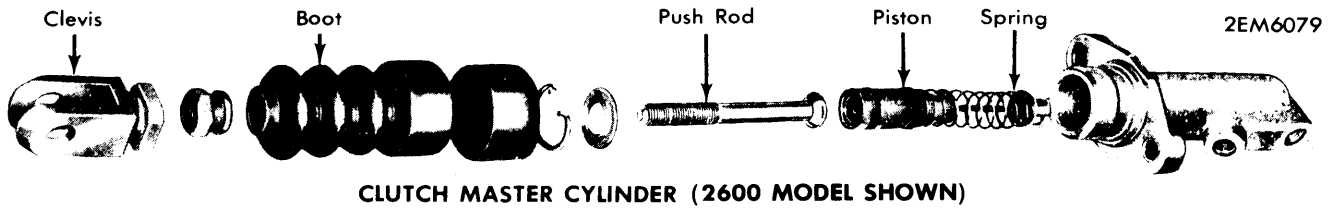
CLUTCH MASTER & SLAVE CYLINDER

1) After completely disassembling all internal components, begin inspection of each separate part.

2) Check condition of pistons ensuring original taper has not varied. Inspect each return spring and replace if tension has been lost. Examine both dust boots and replace if weather cracked or deteriorated.

3) After inspection of components, begin reassembly (see illustration).

1963-73 ALFA ROMEO HYDRAULIC CLUTCH (Cont.)



ADJUSTMENT

CLUTCH PEDAL ADJUSTMENT

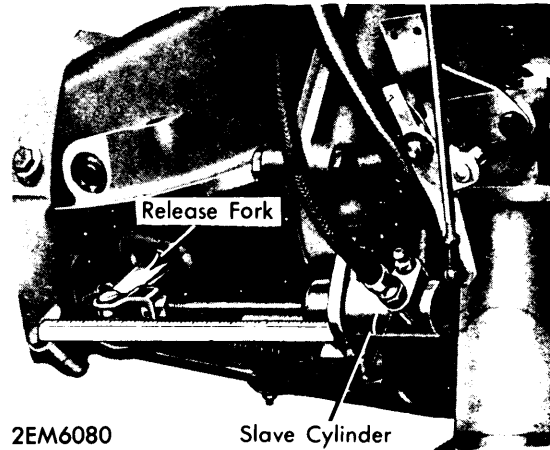
2600 Models - 1) Clutch pedal free play should lie between 1.772-1.969" (45-50 mm). When wear reduces distance by half or .89-.98" (23-25 mm), clutch must be readjusted.

2) To adjust, rotate nut on slave cylinder push rod until release lever has approximately .118" (2.99 mm) free travel.

1750 & 2000 Models - No clutch linkage adjustment is necessary as all wear is taken up automatically.

HYDRAULIC SYSTEM BLEEDING

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



CLUTCH PEDAL ADJUSTMENT (2600 MODEL SHOWN)