AUDI 5000

DESCRIPTION

Clutch is a single plate, dry disc type. Pressure plate is a diaphragm spring type. A pre-lubricated release bearing is used. Bearing is operated by slave cylinder push rod and release lever. Slave cylinder is mounted to top of clutch housing and extends to inside of housing. Clutch pedal is hooked directly to clutch master cylinder push rod fork via a clevis pin. Master cylinder is secured to clutch/brake pedal mounting brace.

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

Removal – 1) Disconnect battery ground cable. Remove windshield washer bottle. Remove upper engine-to-transmission mounting bolts. Disconnect speedometer cable.

2) Using a punch, drive out slave cylinder lock pin. Remove cylinder with fluid line connected. Suitably support weight of engine. Remove exhaust heat shield. Disconnect exhaust pipe at manifold.

3) Disconnect axle drive shafts at transaxle and hang out of way. Disconnect back-up light wire. Pry off both shifting and adjusting rods. Remove lower engine-to-transmission mounting bolts.

4) Take out starter. Remove subframe cover shield. Slightly raise transmission. Remove transmission support bolts and bushings from both sides of subframe, then loosen both rear subframe mounting bolts. Remove right side transmission bracket. Remove transmission off dowels and take out of vehicle.

5) Index mark position of pressure plate in relation to flywheel. Insert flywheel retainer tool. Loosen pressure plate mounting bolt evenly in a diagonal pattern until pressure is relieved. Remove pressure plate and clutch disc.

Installation – To install, reverse removal procedure and note following: Clutch disc spring cage must face pressure plate. Clutch disc must slide freely with no radial play on input shaft. Lubricate input shaft splines with appropriate grease. Align pressure plate index marks. Use clutch disc alignment tool to center disc.

RELEASE BEARING & LEVER

Removal – Remove transmission. Remove cap bolt (attaching 2 retainer pieces) at lower edge of release lever. Slide release lever and bearing out of slave cylinder push rod and off guide sleeve. Disengage circlip and retainer clips keeping release bearing to lever. Separate bearing from lever. If necessary, guide sleeve can also be removed.

Inspection – Check clutch release bearing for wear or unusual noise. Do not wash bearing in solvent. If bearing is excessively noisy, replace.

Installation – To install, reverse removal procedure and note: Lubricate ball cap located in clutch housing with appropriate grease. Make sure clutch release lever locates directly into slave cylinder push rod tip. Push rod tip should be lubricated.

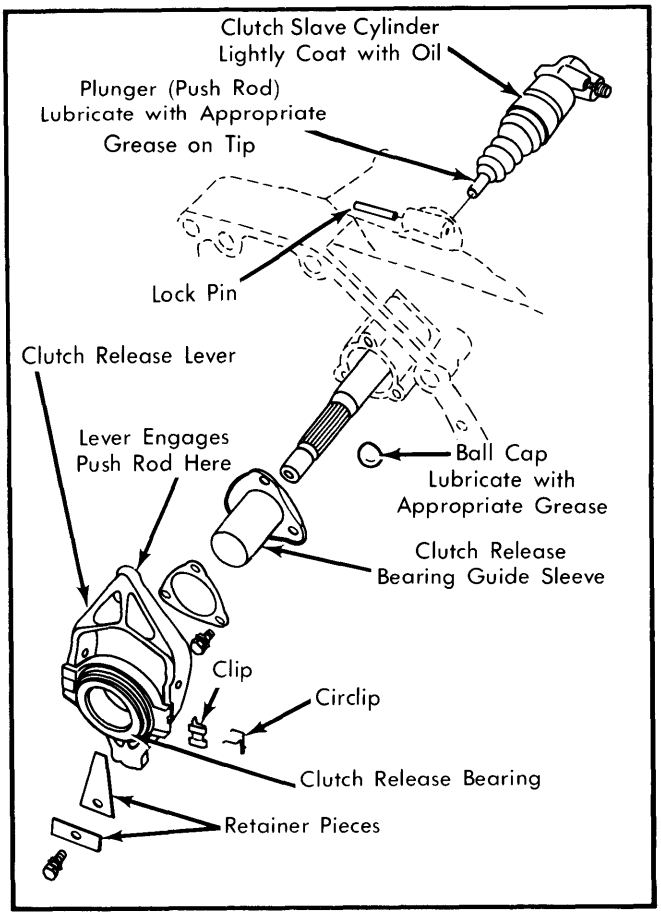

Fig. 1 Clutch Release Bearing with Related Components

MASTER CYLINDER

Removal – Disconnect and plug fluid lines. Separate cylinder from clutch pedal by removing clevis pin. Remove 2 bolts mounting master cylinder to pedal bracket and take out cylinder.

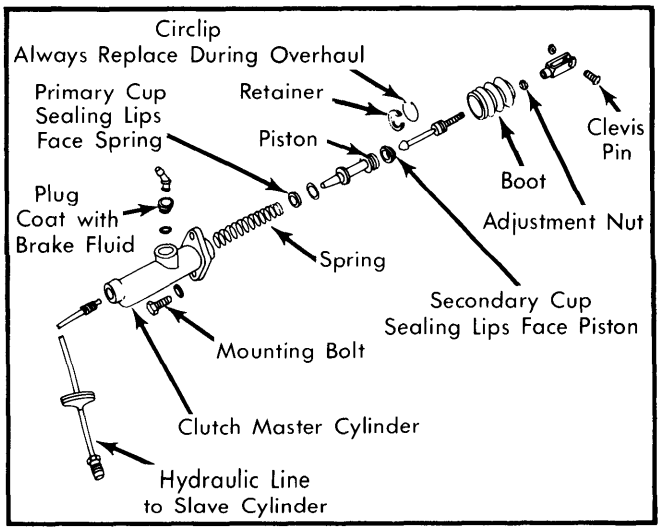

Fig. 2 Exploded View of Master Cylinder

AUDI 5000 (Cont.)

Installation – Reverse removal procedure and bleed air from fluid line.

SLAVE CYLINDER

Removal – Working from under vehicle, drive out slave cylinder lock pin located on top of transmission. Slide cylinder back until push rod clears, then maneuver cylinder until fluid line can be disconnected and plugged.

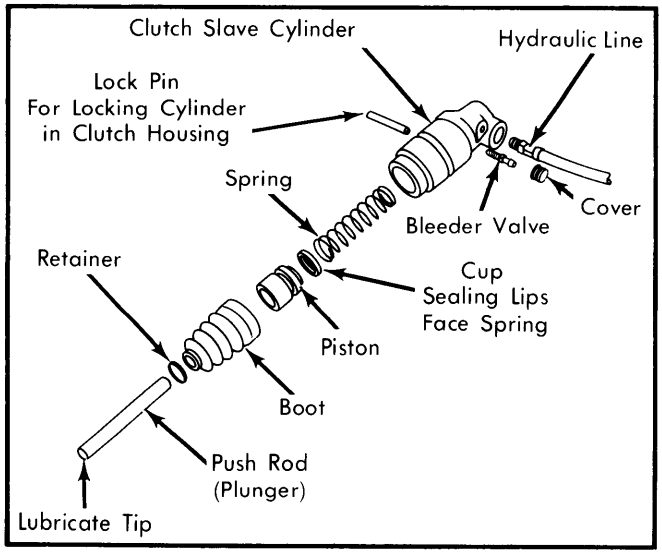

Fig. 3 Exploded View of Slave Cylinder

Installation – To install, reverse removal procedure. Coat outer surface of cylinder with oil before inserting into place. Bleed air from fluid line.

ADJUSTMENTS

CLUTCH PEDAL

Adjust master cylinder push rod so that in the rest position clutch pedal stands 3/8" (10 mm) above brake pedal.

NOTE – *If clutch pedal is correctly adjusted but fails to properly return, check hydraulic system for air, a tight pedal bushing or jammed return spring.*

HYDRAULIC SYSTEM BLEEDING

Use only pressure bleeding equipment to bleed system. Follow manufacturer's instructions.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Pressure Plate Bolts	18 (2.5)
Drive Flange Bolt	18 (2.5)
Drive Shaft-to-Transaxle Bolts	32 (4.5)