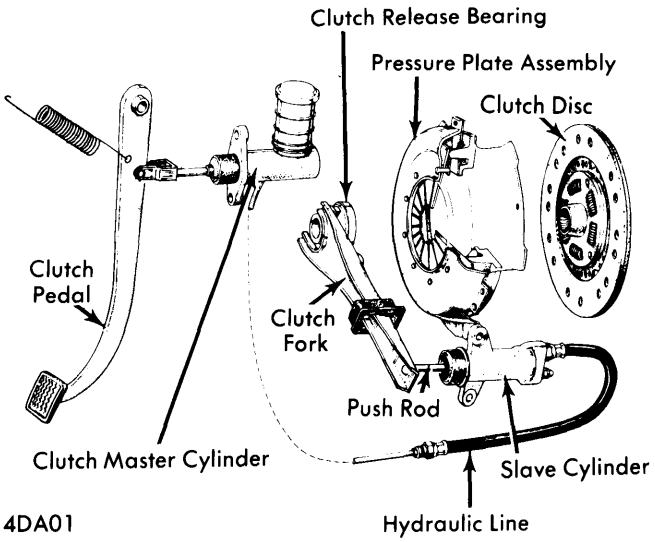
DATSUN

B210 Series
260Z
610 Series
620 Pickup
710 Series

DESCRIPTION

Clutch is dry, single disc type. All models use a diaphragm spring type pressure plate. A pre-lubricated clutch release bearing and a hydraulic system to engage and disengage clutch is used.



CLUTCH SYSTEM COMPONENTS

REMOVAL & INSTALLATION

CLUTCH ASSEMBLY

1) Disconnect battery ground cable. Remove console assembly, if equipped, and place transmission lever in neutral. On 260Z models only, disconnect accelerator control from carburetor linkage. Disconnect shifter assembly from inside driver's compartment. Raise vehicle, using a suitable hoist and appropriately place jack stands. Disconnect exhaust pipe at manifold and move out-of-way.

2) Disconnect speedometer cable and electrical wires from transmission. On B210, 260Z and 620 models only, remove clutch slave cylinder from transmission case, but do not disconnect hydraulic line. Remove propeller shaft and plug opening at rear extension housing. On B210 models only, center bearing bracket must be removed from third member before removing propeller shaft.

3) Suitably support engine with jack stand and wood block. Support transmission with proper jack and remove nuts and bolts securing transmission to crossmember; slide out crossmember. Slightly lower transmission and remove starter. Disconnect and withdraw bolts mounting transmission to engine. Carefully pull transmission rearward until clear. Remove clutch bolts by loosening alternately and evenly one turn at a time, and remove clutch assembly.

4) To install clutch assembly, reverse removal procedure and note the following: Lubricate clutch disc splines with a small amount of multipurpose grease. Use a suitable clutch aligning tool to center disc on flywheel. Install pressure plate to flywheel, aligning holes in cover with dowels on flywheel. Adjust linkage, refill transmission, and bleed hydraulic system if necessary.

CLUTCH MASTER CYLINDER

1) Disconnect master cylinder push rod at clevis. Disconnect hydraulic line to slave cylinder. Remove cylinder attaching bolts and remove cylinder from firewall.

2) To install, reverse removal procedure. Bleed hydraulic system and adjust clutch pedal height.

CLUTCH SLAVE CYLINDER

1) Remove clutch fork return spring (if equipped). Disconnect hydraulic line from cylinder, remove bolts attaching cylinder to clutch housing, and remove slave cylinder.

2) To install, reverse removal procedure. Be sure hydraulic system is bled.

CLUTCH RELEASE BEARING & LEVER

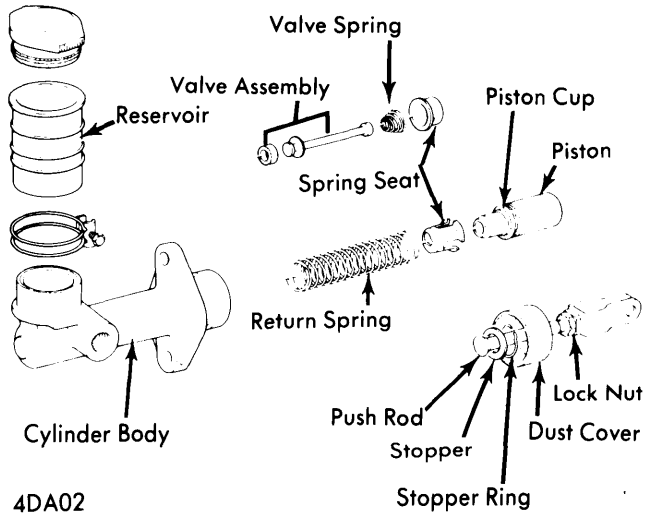
1) With transmission removed from vehicle, remove dust boot from clutch housing. Disconnect release lever retaining spring or return spring as required and retaining clips holding release bearing to lever. Then remove lever and bearing through front of clutch housing. Remove bearing from collar using a suitable puller.

2) To install, reverse removal procedure and note the following: Apply multi-purpose grease to inside surface of bearing collar, release lever bearing contact points, contact surface of release bearing, ball pin in clutch housing, and ball contact point on release lever.

OVERHAUL

CLUTCH MASTER CYLINDER

1) With master cylinder removed, remove filler cap and drain brake fluid. Pull back dust boot and remove snap ring. Remove stopper, push rod and piston assembly. Remove spring seat from piston and take off piston cup. Thoroughly clean all components in brake fluid.



MASTER CYLINDER ASSEMBLY

DATSUN (Cont.)

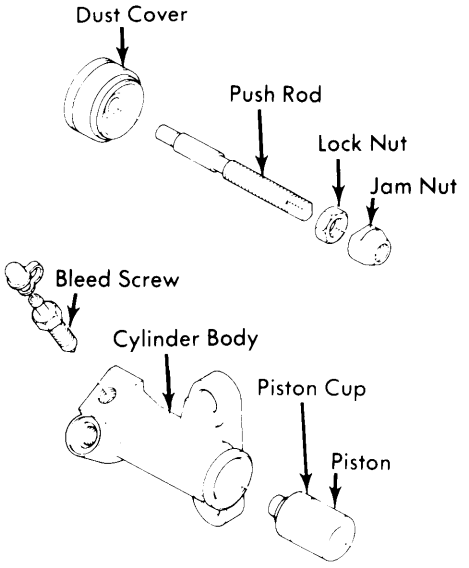
2) Inspect all parts for wear or damage. If clearance between cylinder and piston exceeds .006", replace master cylinder. Replace piston cup any time master cylinder is disassembled.

3) Lubricate all parts with clean brake fluid before assembly. To assemble, reverse disassembly procedures.

CLUTCH SLAVE CYLINDER

1) With slave cylinder removed, take out push rod along with dust boot. Remove entire piston assembly and piston spring. Remove bleed screw.

2) Visually inspect all parts and replace those determined unuseable. To assemble, reverse disassembly procedure noting the following: Dip all components in clean brake fluid and ensure cup is installed in correct direction.



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SLAVE CYLINDER COMPONENTS

ADJUSTMENT

PEDAL HEIGHT & FREE PLAY

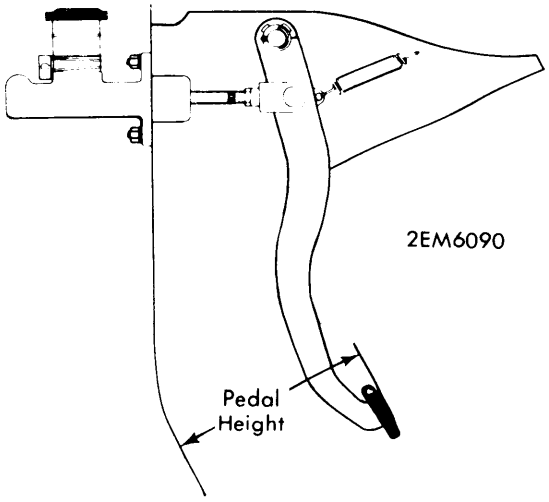
260Z – Adjust pedal head height to 8.90" (226 mm) by manipulating the master cylinder push rod length. Adjust pedal height to 8.78" (223 mm) by screwing the pedal stopper; tighten lock nut.

All Others – Adjust clutch pedal height to **A** specification by turning pedal stopper adjusting nut in or out; tighten lock nut. Adjust pedal free play to **B** specification by turning clutch master cylinder rod in or out.

Pedal Height Specifications

Application	A Height In. (mm)	①B Free Play In. (mm)
B210	6.02-6.26 (153-159)	.039-.118 (1-3)
610	6.89 (175)	.039-.196 (1-5)
620	6.02-6.26 (153-159)	.039-.118 (1-3)
710	7.08 (180)	.039-.196 (1-5)

① – Free play at master cylinder clevis pin.



PEDAL HEIGHT MEASURING POINT

CLUTCH FORK FREE PLAY

NOTE – All models use automatic wear adjuster type slave cylinders; no adjustment is required.

HYDRAULIC SYSTEM BLEEDING

1) Remove dust cap from slave cylinder bleed plug. Check fluid level in master cylinder, fill as necessary. Open bleed plug approximately ¾ turn.

2) Attach a tube to slave cylinder bleed plug, and place opposite end of tube in a container half-full of brake fluid. Push clutch pedal to bottom of travel.

3) With pedal down, tighten bleed plug. Continue operation until air bubbles are no longer seen in container. Close bleed plug on a downward stroke of pedal. Install dust cap and adjust fluid level in master cylinder.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Clutch-to-Flywheel	
B210 & 710	12-15 (1.6-2.1)
260Z & 620	11-16 (1.5-2.2)
610	12-16 (1.6-2.2)
Engine-to-Transmission	
B210	12-16 (1.6-2.2)
610	29-35 (4.0-4.8)
620	30-36 (4.0-5.0)
710	29-35 (4.0-4.8)