

GENERAL MOTORS — EXC. S10

Chevrolet, GMC

DESCRIPTION

Chevrolet and GMC vehicles use two types of clutches. Either a coil spring or a diaphragm spring clutch is used. Coil spring clutch utilizes three release levers to provide pressure plate actuation, and coil springs to provide pressure plate tension.

Diaphragm spring clutch utilizes a single, slotted diaphragm type spring to provide both pressure plate action and tension. All vehicle models use a mechanical linkage to actuate clutch. Removal and installation procedures and adjustments are the same for both Chevrolet and GMC.

REMOVAL & INSTALLATION

CLUTCH

Removal

1) Raise and support vehicle under frame and remove transmission. Disconnect rod and return spring at clutch fork. Snap fork off of ball pivot. Remove release bearing from clutch fork. Mark position of clutch cover on flywheel for reassembly.

2) Install a tool (J-5824) in clutch disc for support. Loosen clutch cover bolts one or two turns at a time until clutch plate spring tension is released. Remove clutch pilot tool and remove clutch cover and disc.

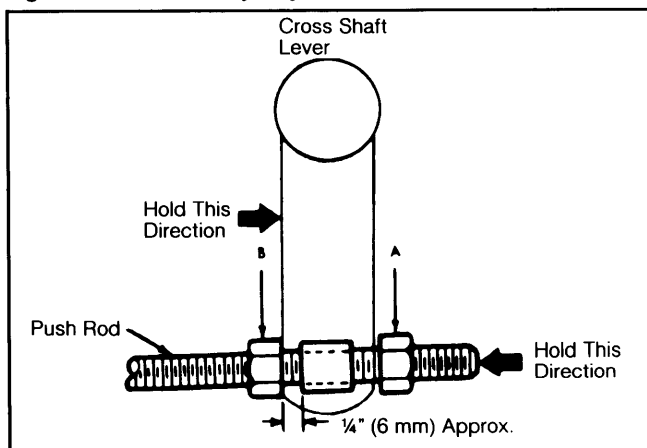
Installation

Lubricate clutch fork ball seat and recess in release bearing. Reverse removal procedure, making sure clutch hub and pilot bearing are aligned.

ADJUSTMENT

CLUTCH PEDAL FREE PLAY

Fig. 1: Van Free Play Adjustment



Turn adjusting nut "A" to change clearance.

Van

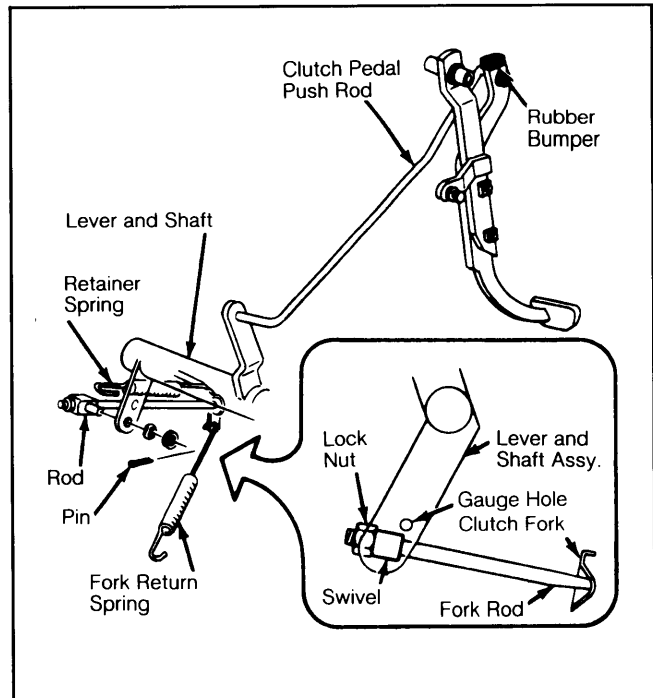
Disconnect return spring at clutch fork. Loosen clutch fork swivel nut "A" about 1/2" (13 mm), and force push rod toward rear until clutch release bearing just contacts clutch fingers. Rotate push rod adjusting nut until

1/4" (6 mm) clearance between nut and swivel is obtained. Tighten clutch fork swivel lock nut. Check that pedal free travel is about 1 1/4-1 1/2" (31-37 mm).

Pickup

Disconnect return spring at clutch fork. Rotate linkage until clutch pedal is seated against pedal stop. Force clutch fork push rod rearward until throw-out bearing just contacts clutch release levers. Loosen clutch swivel lock nut, and adjust swivel until swivel can be easily inserted in gauge hole. Remove swivel from gauge hole and install in equalizer shaft lower hole. Tighten lock nut and check pedal. Free play should be 1 1/4-1 1/2" (31-37 mm).

Fig. 2: Pickup Free Play Adjustment



Insert swivel in gauge hole to check free play.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Clutch Cover-to-Flywheel Bolts	30 (41)
Clutch Housing-to-Engine Bolts	30 (41)
Transmission-to-Clutch Housing Bolts	75 (102)