

Clutches

FORD

Bronco, Pickup, Van

DESCRIPTION

Two types of clutches are used in Ford vehicles. Both types have a single dry plate, with one being non-centrifugal and the other being semi-centrifugal. Clutch release is accomplished through mechanical linkage. The pedal pressure is transmitted through a series of rods and an equalizer shaft.

REMOVAL & INSTALLATION

CLUTCH

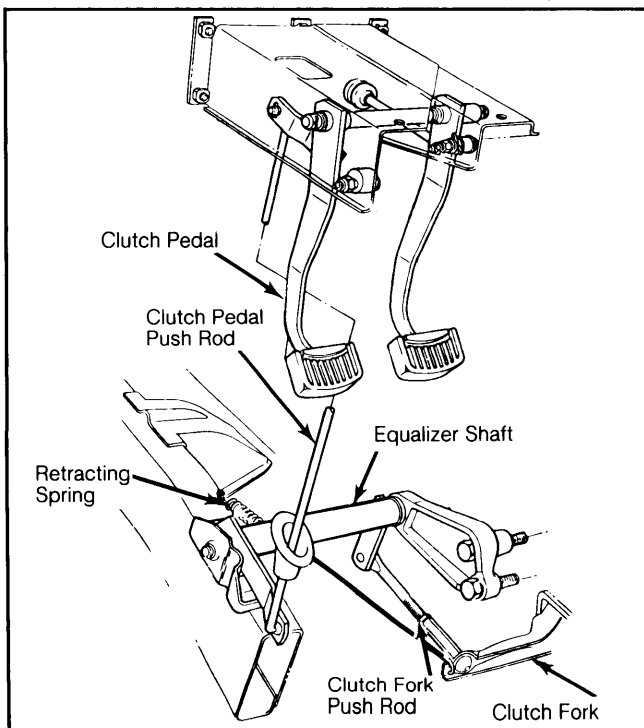
Removal

Raise and support vehicle under frame. Disconnect clutch fork return spring and push rod at clutch fork. Remove transmission. Remove starter and clutch housing. Mark flywheel and clutch cover for reassembly, then loosen clutch cover bolts evenly until spring tension is released. Remove clutch assembly from vehicle.

Installation

To install, clean flywheel surface and reverse removal procedure. Tighten cover bolts evenly and alternately.

Fig. 1: Assembled View of Typical Clutch Linkage



ADJUSTMENT

CLUTCH PEDAL FREE TRAVEL

1) The amount of pedal movement from full stop to point where release bearing contacts clutch

fingers is pedal free travel. Specified travel is $\frac{3}{4}$ - $1\frac{1}{2}$ " (19-38 mm). If incorrect, adjust linkage.

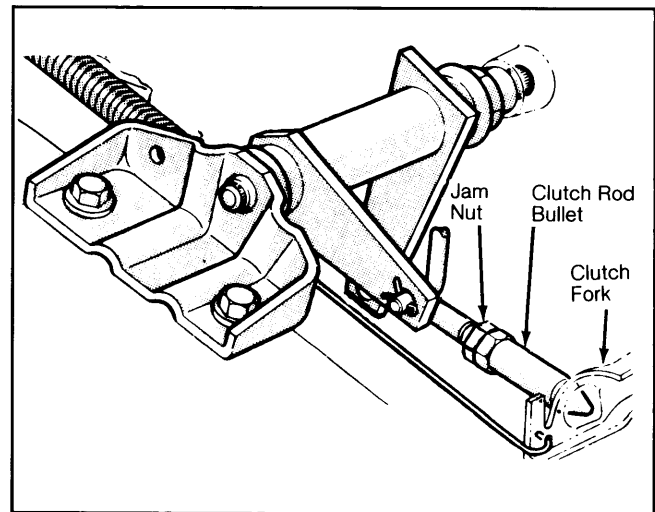
2) Remove retracting spring. Loosen both lock nuts on rod. Position bullet end of rod tight against clutch release lever. Push rod tight against arm to eliminate all free play.

3) Insert a .135" (3.4 mm) spacer or gauge between lock nut and bullet. Tighten nut against spacer with all free play eliminated.

4) Tighten second lock nut against first, finger tight. Remove spacer and tighten lock nuts together. This will give specified pedal free play.

5) If not to specification, repeat adjustment until correct free play is obtained.

Fig. 2: Clutch Pedal Free Travel Adjustment



Turn clutch rod bullet to adjust free play.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Clutch Cover-to-Flywheel	25 (34)
Clutch Housing-to-Engine Block	45 (61)
Transmission-to-Clutch Housing	45 (61)
Adjusting Nut Lock Nuts	18 (25)