

DESCRIPTION AND OPERATION (Continued)

This force is developed during the attachment of the pressure plate assembly to the flywheel, the Belleville spring being flattened between the pressure plate and the cover.

Disengagement of the clutch (pedal depressed) is accomplished when the release fingers are fully displaced toward the flywheel. This displacement removes the Belleville spring load from the pressure plate and thus eliminates the coupling friction between the engine and the transaxle. The release fingers are moved by the release bearing, which receives its motion through a linkage / cable system from the clutch pedal. It should be noted that partial finger displacement does not release the clutch but results in lower coupling friction which can cause slippage under load.

The secondary function of the pressure plate and disc assemblies is to aid in isolating engine power pulses from the rest of the powertrain. The weight of the plate assembly adds to that of the flywheel and thus improves its function as a vibration damper. Contained within the disc assembly are several coil springs. These springs, along with a controlled amount of friction between the hub and the drive plates, also absorb engine pulsations. The spring and friction characteristics are tailored to each engine / powertrain / vehicle application. Therefore, only specified discs should be used for replacement.

Since the release bearing in this system is constant-running, transaxle neutral rollover noise can be detected only by disengaging the release bearing from the clutch release fingers. This is best accomplished by disconnecting the cable from the release lever and moving the lever away from the cable. If neutral noise is evident under this condition, it is emanating from the transaxle.

NOTE: Lift clutch pedal to the upmost position when connecting or disconnecting the clutch cable.

REMOVAL AND INSTALLATION

Clutch Components

Transaxle Removed

Refer to Section 07-03 for transaxle removal.

Release Bearing

Removal

1. Remove release lever-to-release bearing retaining pin.
2. Slide bearing from transaxle extension.

Installation

1. Apply a light film of Premium Long-Life Grease XG-1-C (ESA-M1C75-B) or equivalent to entire outer surface of transaxle bearing retainer and the tips of the release lever where they contact the bearing. Fill bearing groove with same.

NOTE: The retaining pin is used only as an assembly aid. Any other suitable means of retaining the bearing during transaxle installation is acceptable.

2. Slide bearing onto bearing retainer and attach to release lever with retaining pin (N801408-S).

Quantity	Part Number	Description
1	N801408-S	Retaining Pin
1	N801408-S	Release Bearing
1	N801408-S	Release Lever
1	N801408-S	Release Finger
1	N801408-S	Release Cable
1	N801408-S	Release Spring
1	N801408-S	Release Bracket
1	N801408-S	Release Pin
1	N801408-S	Release Nut
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