

## VOLKSWAGEN DASHER

### Dasher

#### DESCRIPTION

Clutch is single plate dry disc type, using a diaphragm type pressure plate and a pre-lubricated clutch release bearing. Clutch is cable actuated.

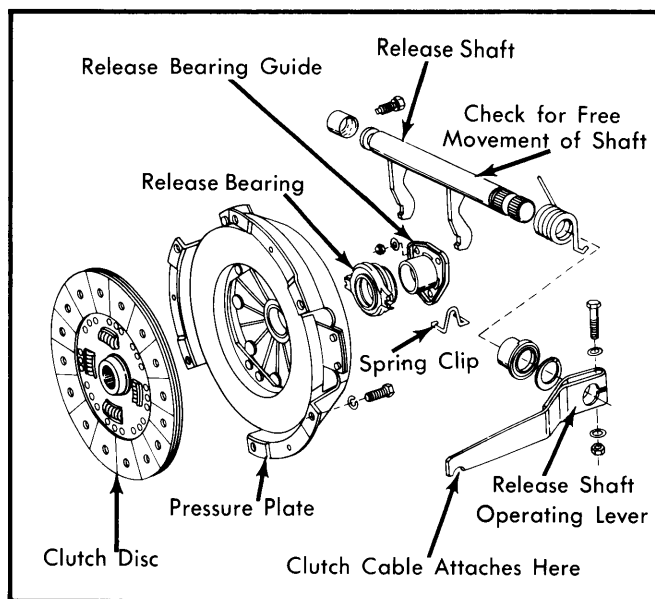


Fig. 1 Exploded View of Clutch Assembly

#### REMOVAL & INSTALLATION

##### CLUTCH ASSEMBLY

**Removal** – 1) Disconnect battery ground strap. Disconnect exhaust pipe from transaxle bracket and engine. Remove square bolt and push shifter assembly coupling from rear of transmission shifting shaft. Unhook clutch cable and disconnect speedometer cable.

2) Disconnect CV joints at inner drive flanges. Remove starter, front mounting plate, and transaxle mounting bolts. Disconnect back-up light wires. Support transaxle away from engine and lower out of vehicle.

**Installation** – 1) Place clutch disc on suitable aligning tool and insert tool into guide bearing in end of crankshaft. Bolt pressure plate to flywheel, making sure that three dowel pins in flywheel engage appropriate holes in pressure plate. Tighten mounting bolts in steps before final torque.

2) Install crossmember to transaxle. Raise transaxle and fit crossmember bolts (do not tighten). Slide transaxle up to engine and install mounting bolts. Install front mounting plate and starter. Install CV joint Allen screws and tighten. Now, tighten crossmember mounting bolts.

3) Tighten square headed coupling bolt and install lock wire. Connect exhaust pipe, allowing  $\frac{3}{8}$ " (10 mm) between pipe and floor pan. Reconnect back-up light wires and battery ground strap.

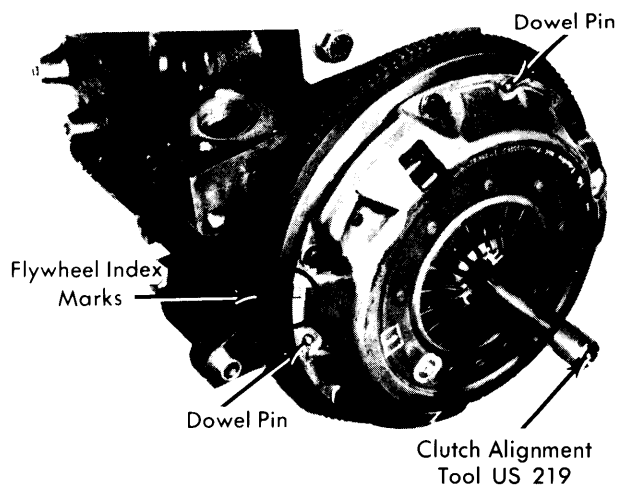


Fig. 2 View Showing Clutch Assembly Alignment on Flywheel

##### CLUTCH RELEASE BEARING

**Removal** – 1) Remove transmission.

2) Remove spring clips keeping release bearing to release bearing shaft.

3) Slide release bearing off release bearing guide sleeve.

**Inspection** – 1) Rotate bearing and check for roughness or noise.

2) Bearing is pre-lubricated, DO NOT wash in solvent.

3) Apply Molykote paste to bearing contact points on clutch release shaft.

**Installation** – 1) Slide release bearing into bearing guide sleeve.

2) Fit spring clips keeping release bearing in position on shaft.

3) Check fit closely.

4) Install transmission.

##### CLUTCH CABLE

**Removal** – 1) Loosen clutch cable adjusting nuts.

2) Free clutch cable housing from support bracket.

3) Separate end of cable from clutch operating lever. Operating lever is mounted to side of clutch housing.

4) Disconnect clutch cable from clutch pedal.

5) Force cable and housing through bulkhead into passenger compartment.

**Installation** – Refit new cable in reverse of removal procedure. Readjust clutch pedal free play.

**NOTE** – If new clutch cable has been installed, make sure to recheck clutch pedal free play after 300 miles.

# Clutches

## VOLKSWAGEN DASHER (Cont.)

### PILOT BEARING

- 1) To remove bearing, install a suitable remover tool (10-202) into pilot bearing, then remove bearing by tightening tool.
- 2) Install bearing so that lettering is facing out. Drive bearing into crankshaft using a suitable driver tool (US 219) until it is flush, then lubricate bearing.

### ADJUSTMENT

#### CLUTCH PEDAL FREE PLAY

- 1) Raise hood and find adjusting nuts located just ahead of oil filter.
  - **To Increase Free Play** – Loosen top adjusting nut 2 or 3 turns. Tighten bottom nut until locked against bracket. Pedal free play should be  $\frac{5}{8}$ " (15.87 mm).

- **To Decrease Free Play** – Loosen nut under bracket 2 or 3 turns. Tighten top nut until locked against bracket. Pedal free play should be  $\frac{5}{8}$ " (15.87 mm).

- 2) Check clutch pedal operation. Repeat adjustment procedure until clutch pedal free play is within specifications.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Clutch Assembly-to-Flywheel.....	18 (2.5)
Transmission-to-Engine .....	40 (5.5)
Clutch Lever-to-Transmission .....	12-18 (1.7-2.5)
Drive Shaft-to-Transmission .....	25.5 (3.5)