

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.

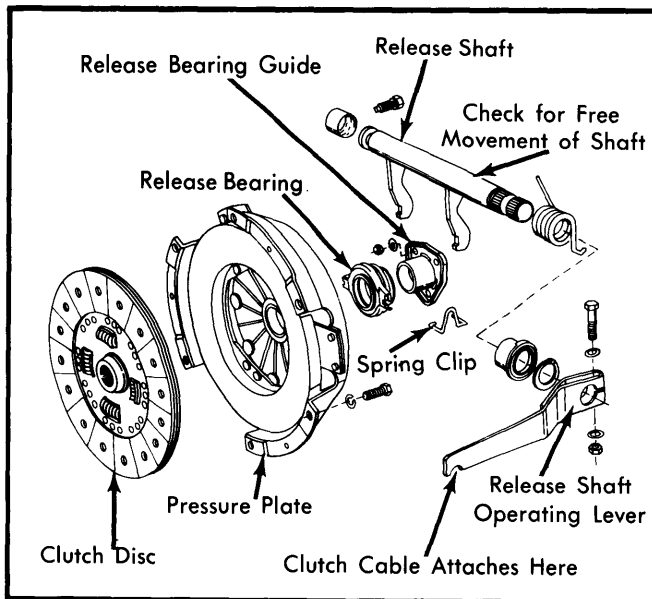


Fig. 1 Exploded View of Clutch Assembly

REMOVAL & INSTALLATION

TRANSAXLE & CLUTCH ASSEMBLIES

Removal – 1) Disconnect battery ground cable from battery. Disconnect exhaust pipe at manifold. Disconnect exhaust pipe bracket from rear of transaxle.

2) Disconnect gear shift lever and shift linkage. Disconnect back-up light wires. On some models there is a bolt mounting gear shift linkage to transaxle that must be removed.

3) Loosen clutch cable adjustment nut and disengage clutch housing from left side engine mount. Separate clutch cable from operating lever. Disconnect speedometer cable.

4) Disconnect front wheel axle drive shafts at transaxle. Suspend drive shafts with wire out of way. Remove starter.

5) Remove clutch housing front cover plate. Remove bolts mounting transaxle-to-engine. Place a jack under transaxle for support. Unbolt transaxle carrier from body. Slide transaxle to rear until input shaft is clear of clutch assembly. Lower out transaxle.

6) Index mark pressure plate and flywheel. Loosen pressure plate bolts $\frac{1}{4}$ turn at a time. Work in a criss-cross pattern. Slide pressure plate off dowels on flywheel.

Installation – 1) Using a clutch alignment tool, fit pressure plate with clutch. Make sure alignment marks are observed. Loosely attach assembly with 6 bolts.

NOTE – If replacement pressure plate has white paint spot, it is a balance mark and should be 180° from countersunk hole or 180° from white paint mark on flywheel.

2) Tighten pressure plate bolts in criss-cross pattern about 2 turns at a time.

3) Position transaxle to engine. Loosely fit bolts holding transaxle carrier to body. Reverse removal procedure to install remaining components.

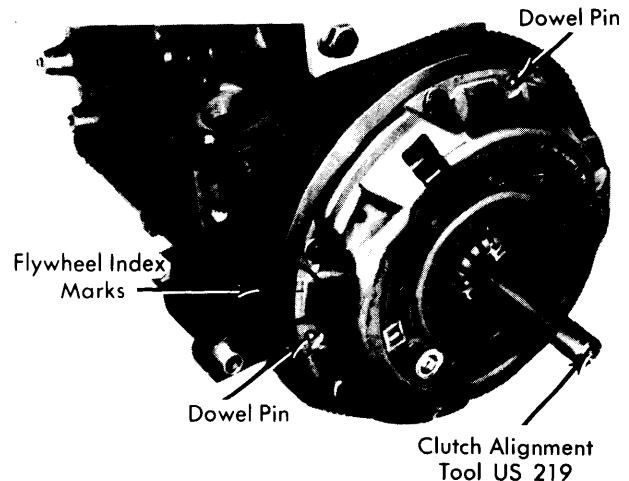


Fig. 2 View Showing Clutch Assembly Alignment on Flywheel

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.

VOLKSWAGEN DASHER (Cont.)

- 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.

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)