

VOLKSWAGEN RABBIT/SCIROCCO

Rabbit
Scirocco

DESCRIPTION

Clutch is a single plate dry disc type, using a diaphragm type pressure plate and a transmission mounted clutch release bearing. Clutch is cable operated.

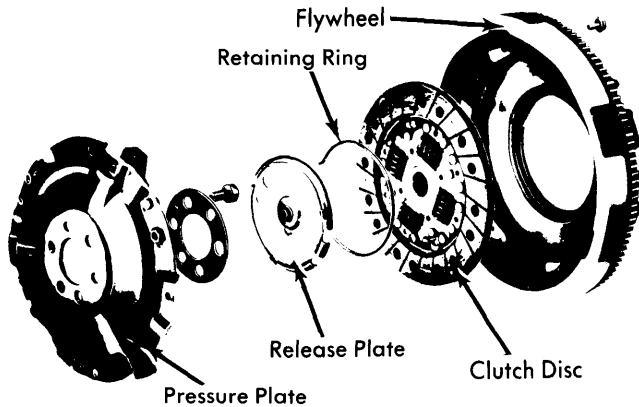


Fig. 1 Exploded View of Clutch and Flywheel Assembly

REMOVAL & INSTALLATION

TRANSMISSION

1) Disconnect battery ground strap and attach an engine support assembly. Remove 4 attaching bolts and left transmission mount. Remove TDC plug. Rotate flywheel until flywheel lug appears in hole.

NOTE — Engine and transmission can be separated only when flywheel is in this position.

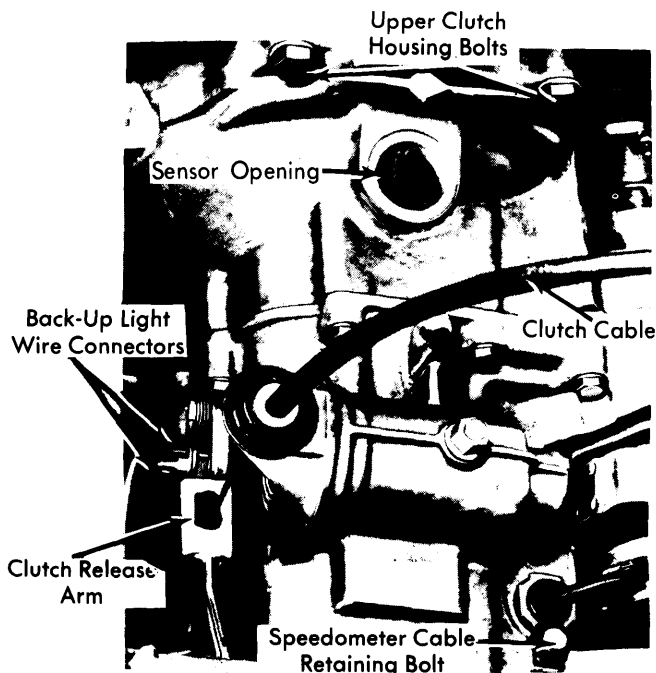


Fig. 2 Top View of Transmission and Clutch Housing
Note Where Clutch Cable Mounts on Transmission Case

2) Disconnect speedometer drive cable and plug hole in transmission with a rubber cap. Disconnect back-up light wires and clutch cable. Remove two upper clutch housing-to-engine bolts. Disconnect shift linkage from rod lever and relay lever.

3) Disconnect ground strap from transmission. Remove starter. Remove transaxle-to-engine bolts accessible once starter is removed.

4) Support transaxle with jack. Remove transaxle rear mount. Disconnect left and right axle drive shafts at transaxle.

5) Remove large plate cover bolts (large plate stays on engine). Remove small cover bolts and cover. Remove transaxle-to-engine mounting bolt that is now accessible. Remove nut near small cover plate. Rotate transaxle to left and remove from vehicle.

CLUTCH ASSEMBLY

1) Using a diagonal loosening pattern, gradually loosen and remove flywheel bolts and flywheel. Pry retaining ring from release plate and lift release plate from pressure plate.

NOTE — A special dual purpose holding tool (VW558) may be used to lock either flywheel or pressure plate for removal purposes.

2) Remove bolts attaching pressure plate to engine. Use Loctite 270 or 271 when installing pressure plate bolts. If a new flywheel is to be installed a new timing mark must be cut into flywheel $\frac{1}{4}$ " (6 mm) to right of TDC mark. Install clutch assembly in reverse of disassembly with ends of retaining ring between two slots in release plate. Use a centering disc (VW 547) to center clutch disc in flywheel.

CLUTCH RELEASE BEARING & OPERATING LEVER ASSEMBLY

Removal — 1) Remove 4 bolts and washers mounting clutch release cover to the far left end of transaxle case. Cover is waffle patterned. Remove 2 circlips located at each side of clutch lever.

2) Pull operating lever and release shaft assembly out of case. Lift return spring along with clutch lever out of transaxle case. Take out release bearing, guide sleeve, and push rod.

Inspection — Check release bearing by hand. Make sure there is no apparent roughness or noise. Make sure push rod seal is good. Check push rod bushing for wear. Replace any unserviceable parts. Check clutch lever oil seal. If seal is bad, pry out and drive in a new one.

Installation — 1) Coat push rod with multipurpose grease and insert back into position. Grease sliding surface of bearing and guide sleeve.

2) Position return spring and clutch lever inside transaxle case. Return spring center hook should fit on top of clutch lever lug. Spring end hooks must point down to hold clutch lever away from release bearing.

3) Lightly coat release shaft with multipurpose grease. Fit shaft. Work operating lever until splines on release shaft mesh with those in clutch lever.

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4) Install circlips. Make sure when operating lever is in normal position that return spring has tension. Fit gasket and cover.

ADJUSTMENT

CLUTCH PEDAL FREE PLAY

1) Locate adjusting nut in engine compartment. Nut is on cable conduit. To adjust, loosen lock nut and turn adjuster until cable conduit can be pulled up out of bracket about .125" (3 mm).

2) Check pedal free play. If there is about .625" (15.9 mm) free play at this time, tighten lock nut. If necessary, continue adjustment process.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Transmission-to-Engine	47 (5.5)
Drive Shaft-to-Transmission	32 (4.5)
Pressure Plate Bolts	54 (7.5)
Flywheel Bolts	14 (2.0)
Cover Plate	11 (1.5)