VOLKSWAGEN JETTA, RABBIT, RABBIT PICKUP & 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.

REMOVAL & INSTALLATION

TRANSAXLE & CLUTCH ASSEMBLY

Removal – 1) Disconnect battery ground strap and attach an engine support assembly. Remove left transaxle mount bolts and mount. Disconnect back-up light wires, speedometer drive cable (plug hole) and clutch cable.

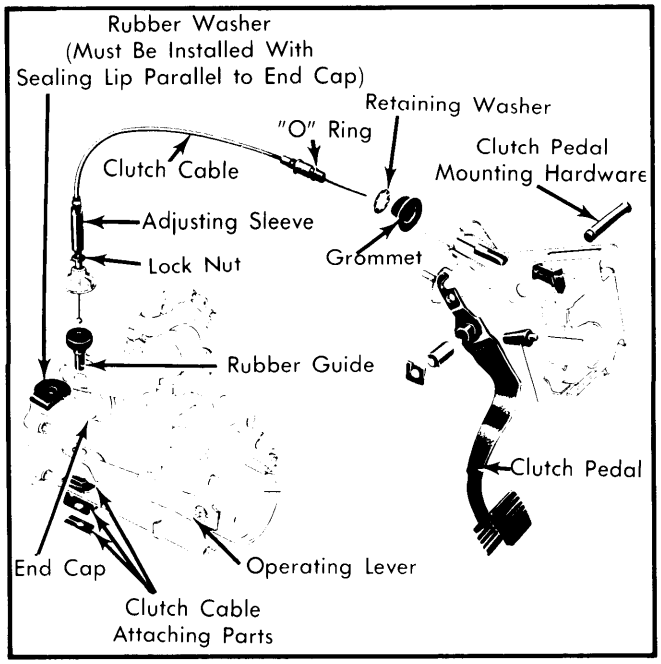

Fig. 1 Clutch Cable Routing & Adjusting Location

2) Remove upper clutch housing-to-transaxle bolts. Remove starter. Align flywheel lug with boss on bell housing (models equipped with flywheel which has cutouts). Disconnect shift linkage at rod lever and relay lever and remove front selector rod.

NOTE – *Vehicles with cutouts in flywheel can be identified by a stud/nut at right engine-to-transaxle mounting position. Flywheel on this type vehicle MUST be aligned before separating engine/transaxle.*

3) Remove exhaust pipe bracket. Remove transaxle rear mount and support transaxle on suitable jack. Disconnect left and right drive shafts at transaxle and wire up out of way. Remove large plate cover bolts (plate remains on engine). Remove small cover bolts and cover.

4) Remove right engine-to-transaxle bolt (stud/nut). Vehicles with cutouts in flywheel, pull transaxle away from engine to clear dowels and lower and remove transaxle. On all other vehicles, pull transaxle away from engine; cocking engine so right side drive flange clears flywheel. Lower and remove transaxle.

5) With transaxle removed from engine, install holding tool (VW558) to ring gear or pressure plate. Remove bolts in a diagonal manner until flywheel can be removed. Pry retaining ring from release plate and lift release plate from pressure plate. Remove pressure plate bolts in diagonal manner and separate clutch disc.

Installation – To install, coat pressure plate bolts with Loctite 270 or 271 (or equivalent) and reverse removal procedure. Retaining ring ends must be between 2 slots in release plate. Use centering tool (VW547) to center clutch disc on flywheel.

NOTE – *If new flywheel is to be installed, a new timing mark must be cut into flywheel ¼" (6 mm) to right of TDC mark.*

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. Check all seals and bearing; replace defective parts.

Installation – 1) Coat ends of push rod with multi-purpose 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.

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

Clutch pedal free play should be 9/16-1" (15-25 mm) at clutch pedal and ¼" (6 mm) at operating lever. To adjust, loosen clutch cable lock nut in engine compartment. Turn adjusting sleeve until correct measurement is obtained and tighten lock nut. Operate clutch pedal several times and check free play.

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)