

TRANSMISSION

Final Drive, Differential - Manual Transmission 0B4 AWD (Sedan)

39 FINAL DRIVE, DIFFERENTIAL

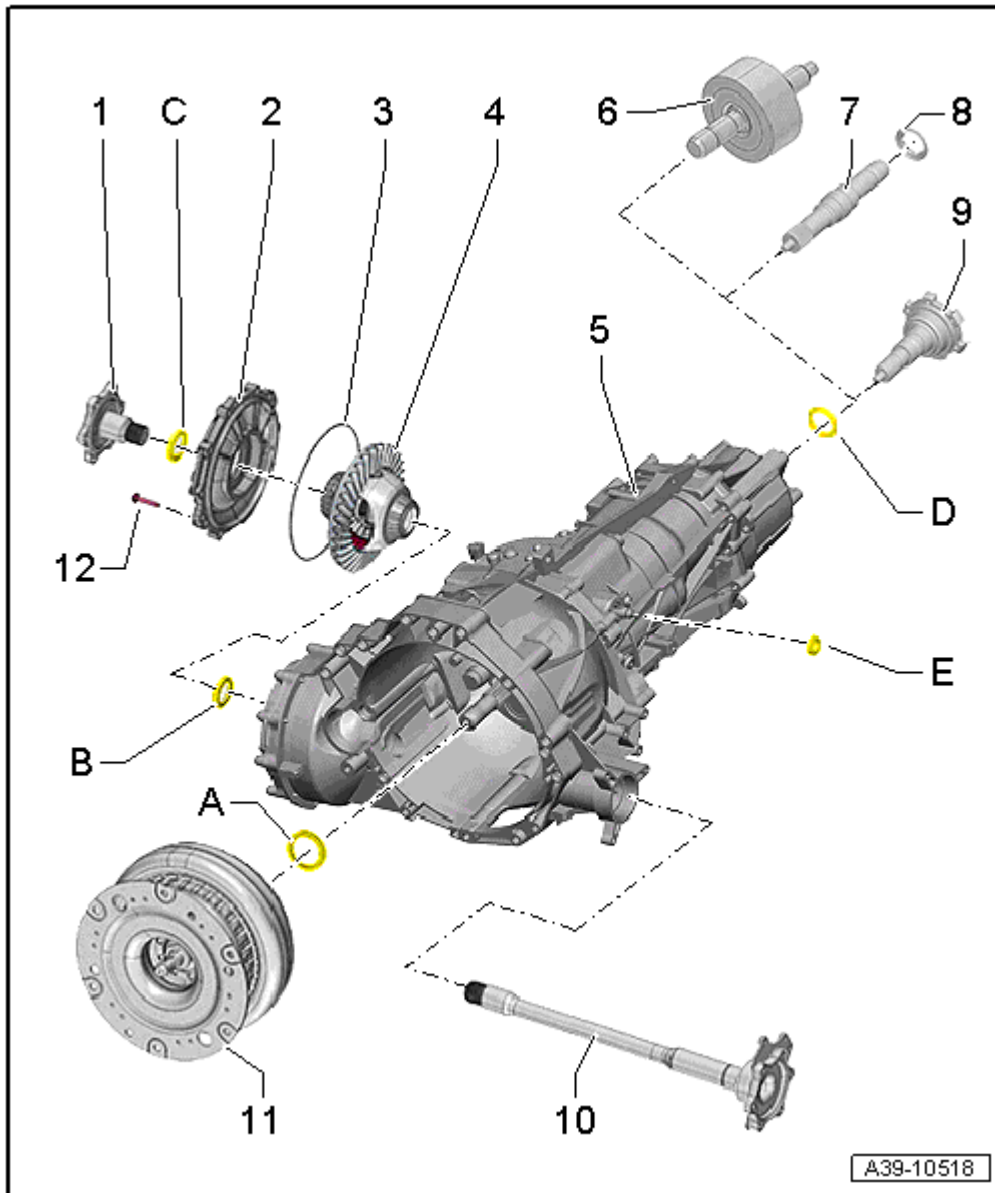
DESCRIPTION AND OPERATION

SHAFT SEALS ON TRANSMISSION OVERVIEW

The shaft seals -A- and -B- can only be replaced after the transmission has been removed. Refer to **Removal and Installation** .

The shaft seals -C-, -D- and -E- can be replaced with the transmission installed.

NOTE: When replacing the final drive cover -2-, the bearing pre-load for the tapered roller bearing on the differential has to be adjusted. Refer to **FINAL DRIVE COVER**.



A39-10518

Fig. 1: Identifying Shaft Seals On Transmission Overview
 Courtesy of AUDI OF AMERICA, LLC

1. A - Shaft Seal
 - For the input shaft
 - Removing and installing, refer to **Removal and Installation** .
2. B - Shaft Seal
 - For the left flange shaft
 - Removing and installing, refer to **Removal and Installation** .
3. C - Shaft Seal
 - For the right flange shaft

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- Removing and installing, refer to **RIGHT FLANGE SHAFT SEAL**
4. D - Shaft Seal
 - For the rear flange shaft or transmission output shaft with splines
 - Refer to **REAR FLANGE SHAFT SEAL ON THE TRANSMISSION**
 - Refer to **TRANSMISSION OUTPUT SHAFT SEAL, VEHICLES WITHOUT VIBRATION DAMPER ON THE TRANSMISSION OUTPUT SHAFT**
 - Refer to **TRANSMISSION OUTPUT SHAFT SEAL WITH SPLINES, REMOVING - VEHICLES WITH VIBRATION DAMPER ON THE TRANSMISSION OUTPUT SHAFT**
 5. E - Shaft Seal
 - For the gearshift shaft
 - Refer to **SELECTOR SHAFT SEAL, TRANSMISSION INSTALLED**
 6. 1 - Right Flange Shaft
 - Removing and installing, refer to **RIGHT FLANGE SHAFT SEAL**
 7. 2 - Final Drive Cover
 - Removing and installing, refer to **FINAL DRIVE COVER**
 8. 3 - O-ring
 - On the cover for the final drive
 - Removing and installing, refer to **FINAL DRIVE COVER**
 9. 4 - Differential
 10. 5 - Transmission
 11. 6 - Transmission Output Shaft with Splines
 - With vibration damper; allocation
 - Replace the shaft seal when replacing the transmission output shaft with splines -D-
 12. 7 - Transmission Output Shaft with Splines
 - Without vibration damper; allocation
 - Replace the shaft seal when replacing the transmission output shaft with splines -D-
 13. 8 - Dust Ring
 - Replace after removing
 14. 9 - Rear Flange Shaft
 - Removing and installing, refer to **REAR FLANGE SHAFT SEAL ON THE TRANSMISSION**
 15. 10 - Left Flange Shaft
 - Removing and installing, refer to **Removal and Installation**
 16. 11 - Clutch Module
 - Removing and installing, refer to **Removal and Installation**
 17. 12 - Bolt
 - 24 Nm
 - Steel bolts (M8; 38 mm long)
 - Quantity: 10

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SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Component	Bolt Size	Nm
Final Drive Cover	M8	24
Drive Axle Heat Shield to Transmission	-	23

REMOVAL AND INSTALLATION

RIGHT FLANGE SHAFT SEAL

Special tools and workshop equipment required

- Needle Bearing Drift VW 295
- Puller T10037
- Thrust Piece T40163
- Used Oil Collecting and Extracting Device V.A.G 1782
- Sealing grease G 052 128 A1

REMOVING

- Transmission is installed.

-- General repair instructions, refer to **REPAIR INFORMATION** .

-- Remove right front wheel.

-- Remove the rear noise insulation by loosening the fasteners -2- and -3-

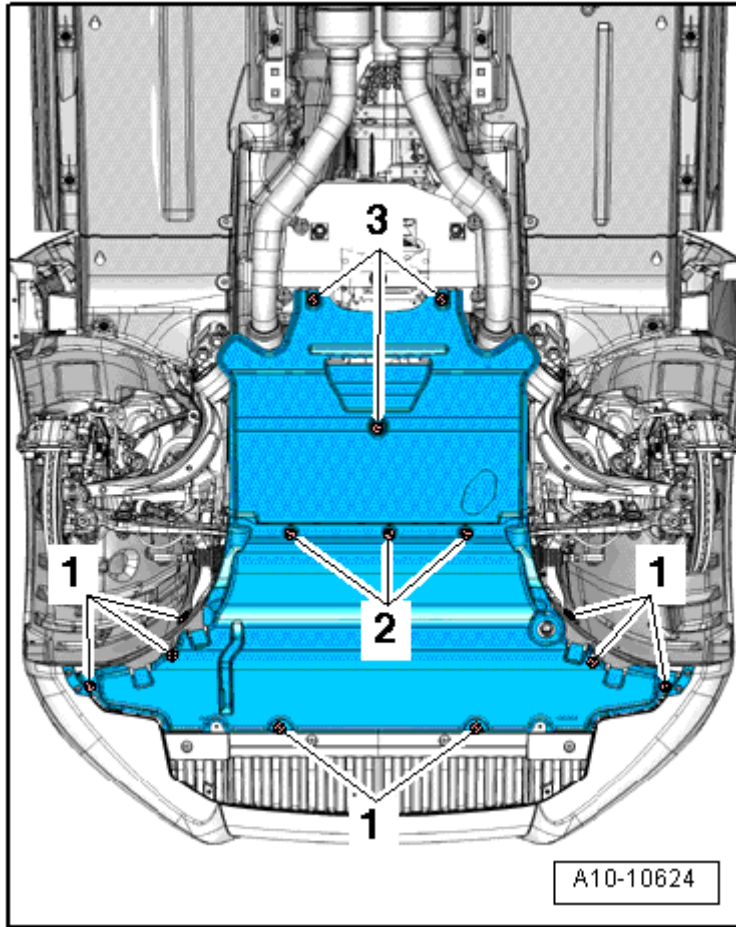


Fig. 2: Identifying Noise Insulation Components
Courtesy of AUDI OF AMERICA, LLC

-- If equipped, remove the noise insulation -1- in the right wheel housing.

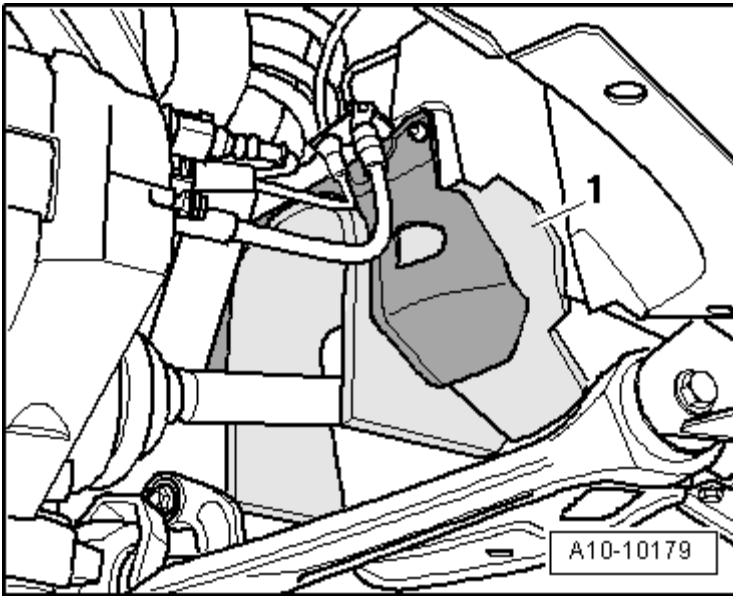


Fig. 3: Remove Right Drive Axle Cover
Courtesy of AUDI OF AMERICA, LLC

-- Remove the bolts -arrows- and remove the heat shield from the right drive axle.

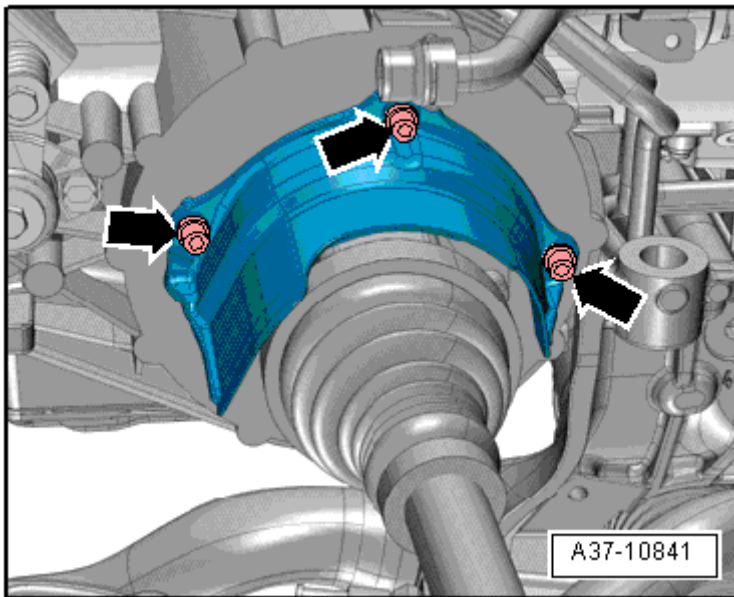


Fig. 4: Driveshaft Heat Shield - Tightening Specification
Courtesy of AUDI OF AMERICA, LLC

-- Remove the right drive axle on the transmission and lay it aside. Refer to **Removal and Installation** .

Place the V.A.G 1782 under the transmission.

-- Remove the right flange shaft by installing the T10037 to the final drive cover -arrow-.