

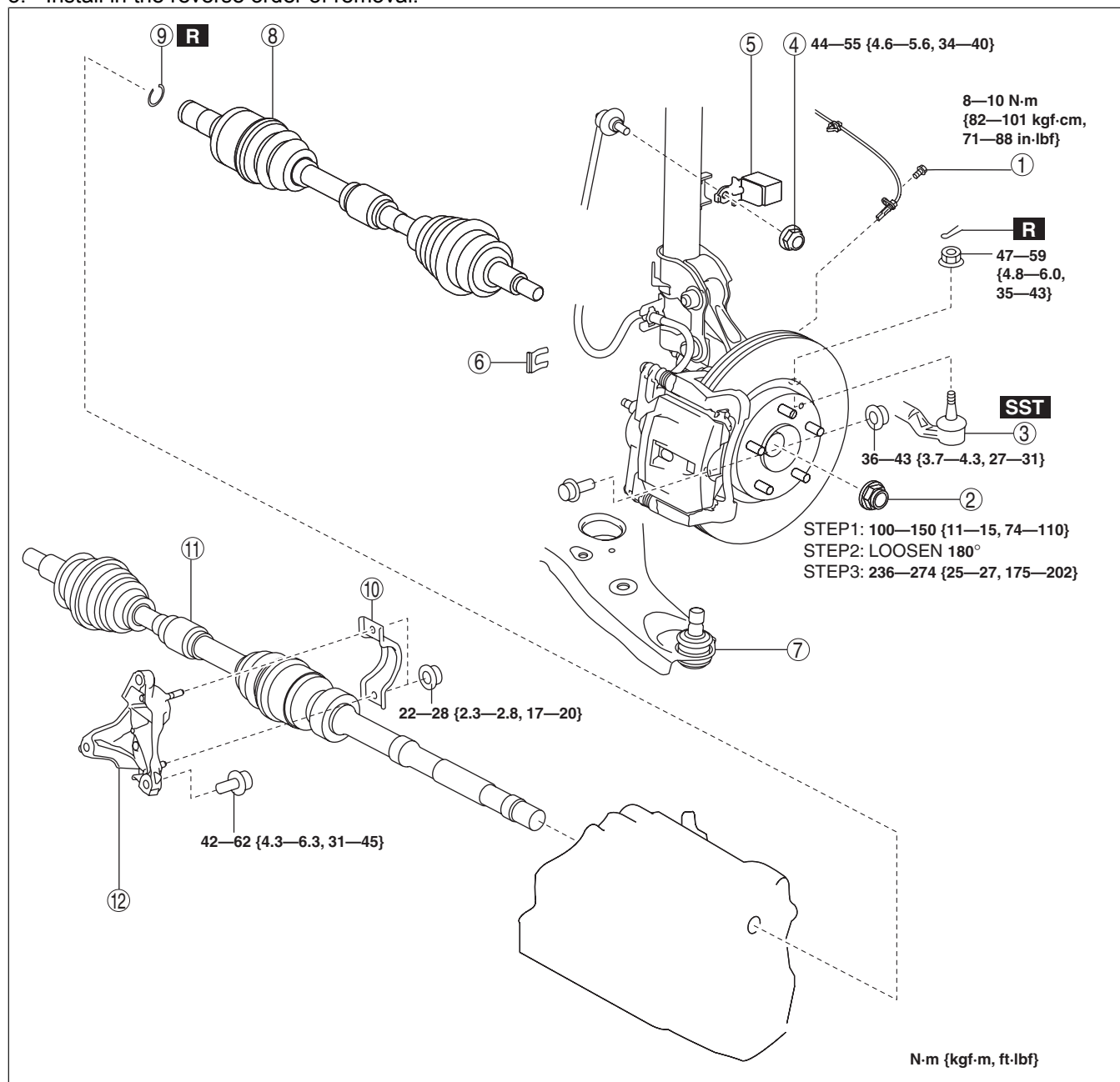
FRONT DRIVE SHAFT REMOVAL/INSTALLATION

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Caution

- Performing the following procedures without first removing the ABS wheel-speed sensor may possibly cause an open circuit in the wiring harness if it is pulled by mistake. Before performing the following procedures, disconnect the ABS wheel-speed sensor connector (axle side) and fix the wiring harness to an appropriate place where it will not be pulled by mistake while servicing the vehicle.
- If the right side drive shaft is removed for 4WD vehicle, replace transfer oil seals (RH) No.1 and No. 3.

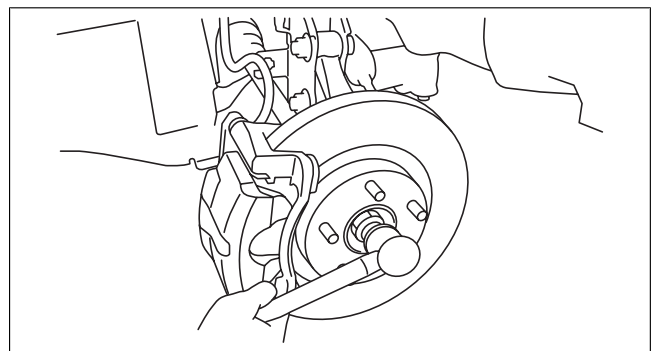
- Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
- Remove the splash shield. (See SPLASH SHIELD REMOVAL/INSTALLATION.)
- Drain the transaxle oil or ATF. (See MANUAL TRANSAXLE OIL REPLACEMENT [C66M-R, C66MX-R].) (See MANUAL TRANSAXLE OIL REPLACEMENT [D66M-R, D66MX-R].) (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [FW6A-EL, FW6AX-EL].) (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
- Remove in the order indicated in the table.
- Install in the reverse order of removal.



1	ABS wheel-speed sensor
2	Locknut (See Locknut Installation Note.)
3	Tie-rod end ball joint (See FRONT CROSSMEMBER REMOVAL/ INSTALLATION.)
4	Stabilizer control link upper nut
5	Dynamic damper (if equipped)
6	Brake hose clip
7	Front lower arm ball joint
8	Drive shaft (LH) (See Drive Shaft Removal Note.) (See Drive Shaft (LH) Installation Note.)
9	Drive shaft clip (See Drive Shaft Clip Installation Note.)
10	Bracket No.2 (See Bracket, Drive Shaft (RH) Installation Note.)
11	Drive shaft (RH) (See Bracket, Drive Shaft (RH) Installation Note.)
12	Bracket No.1 (See Bracket No.1 Removal Note.) (See Bracket, Drive Shaft (RH) Installation Note.)

Drive Shaft Removal Note

1. Install a spare nut onto the drive shaft.
2. Tap the nut with a copper hammer and separate the drive shaft from the axle.
3. Separate the drive shaft from the wheel hub.

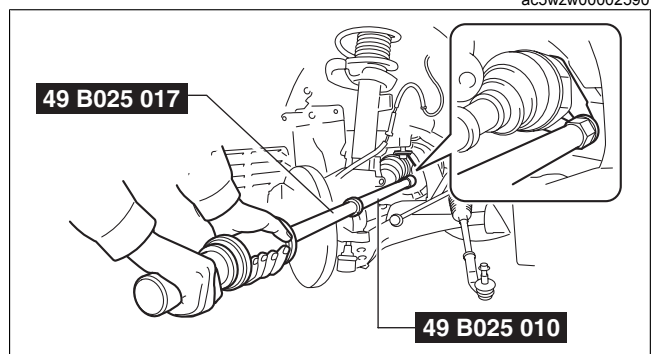


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4. Separate the drive shaft (LH) from the transaxle using the SSTs.

Caution

- Be careful not to damage the transaxle oil seal with the bar.



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Bracket No.1 Removal Note

1. Remove the exhaust manifold bracket. (Only for SKYACTIV-D 2.2).
2. Remove the bracket No.1

Bracket, Drive Shaft (RH) Installation Note

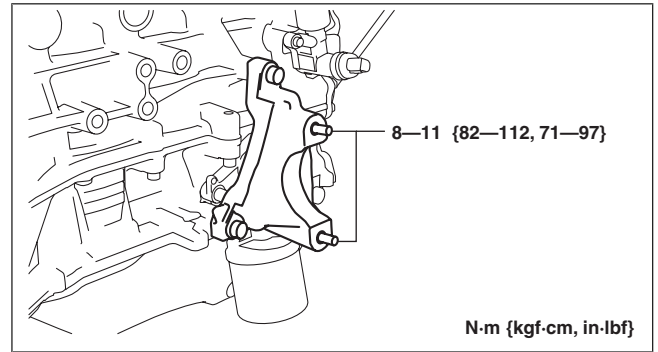
Caution

- Retighten the bracket No.1 stud bolts when the bracket No.2 nuts are loosened

1. Tighten the bracket No.1 stud bolts.

Tightening torque

8—11 N·m {82—112 kgf·cm, 71—97 in·lbf}



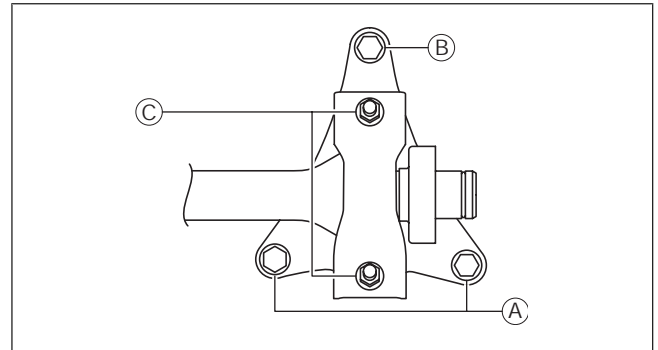
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2. Temporarily tighten the bolts A and B.
3. Tighten the bolts A, then tighten the bolt B to the specified torque.

Tightening torque

42—62 N·m {4.3—6.3 kgf·m, 31—45 ft·lbf}

4. Insert the drive shaft into the transaxle until the drive shaft bearing contacts the bracket stopper.
5. Temporarily tighten the nuts C, then tighten the nuts C to the specified torque.

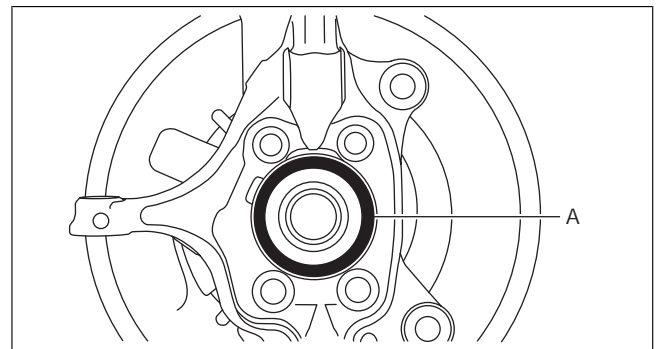


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Tightening torque

22—28 N·m {2.3—2.8 kgf·m, 17—20 ft·lbf}

6. Apply transaxle oil to the oil seal lip.
7. Apply grease (L2Y1 33247) to the wheel bearing inner race and drive shaft contact surface (Area A in figure).



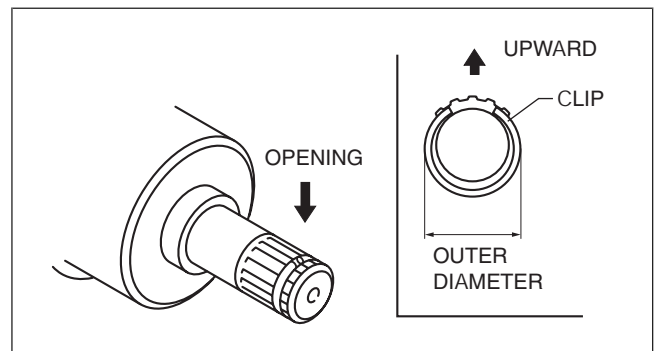
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Drive Shaft Clip Installation Note

1. Install a new drive shaft clip to the clip groove at the end of the drive shaft with the clip opening facing upward.
2. After installation, measure the outer diameter.
 - If it exceeds the specification, repeat installation using a new clip.

Standard

34 mm {1.3 in}



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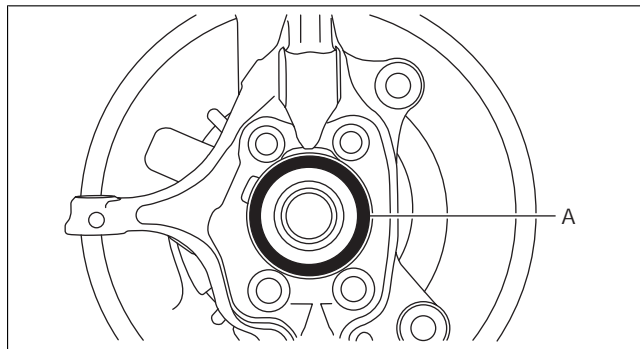
Drive Shaft (LH) Installation Note

Caution

- The sharp edges of the drive shaft can slice or puncture the oil seal. Be careful when installing the drive shaft to the transaxle.

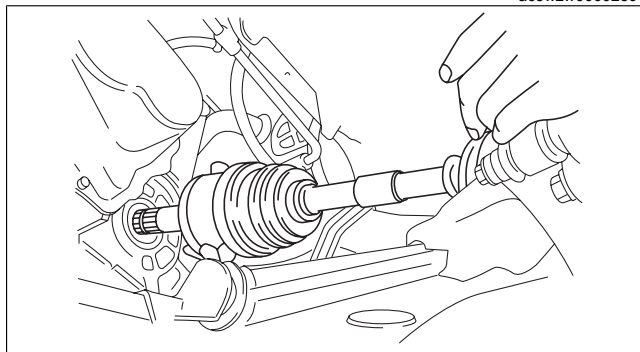
1. Apply transaxle oil to the oil seal lip.

2. Apply grease (L2Y1 33247) to the wheel bearing inner race and drive shaft contact surface (Area A in figure).
3. Insert the drive shaft into the wheel hub.



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4. Install the drive shaft to the transaxle.
5. After installation, pull the transaxle side outer ring forward to confirm that the drive shaft is securely held by the clip.



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Locknut Installation Note

1. After tightening the locknut once at a torque of **100—150 N·m {11—15 kgf·m, 74—110 ft·lbf}**, loosen it **180 degrees** once, and then retighten it at a torque of **236—274 N·m {25—27 kgf·m, 175—202 ft·lbf}**.