

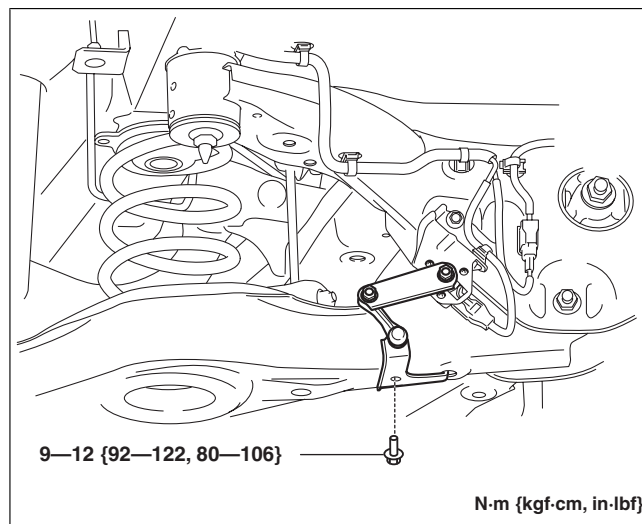
## REAR STABILIZER REMOVAL/INSTALLATION [4WD]

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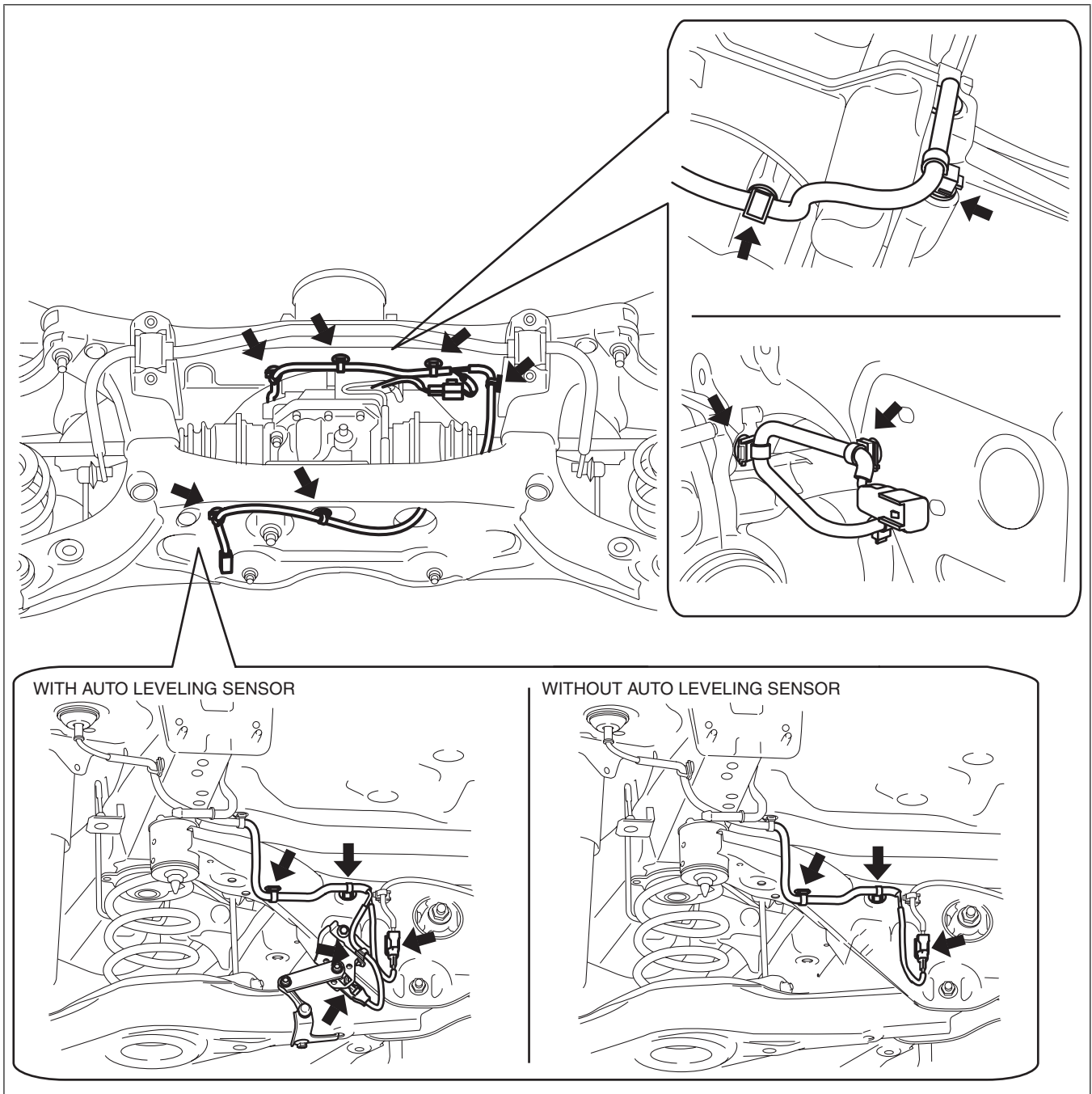
### Caution

- Performing the following procedures without first removing the rear ABS wheel-speed sensor may possibly cause an open circuit in the harness if it is pulled by mistake. Before performing the following procedures, disconnect the rear ABS wheel-speed sensor (axle side) and fix it to an appropriate place where the sensor will not be pulled by mistake while servicing the vehicle.

1. Disconnect the auto leveling sensor link. (With auto leveling sensor) (See AUTO LEVELING SENSOR REMOVAL/INSTALLATION.)

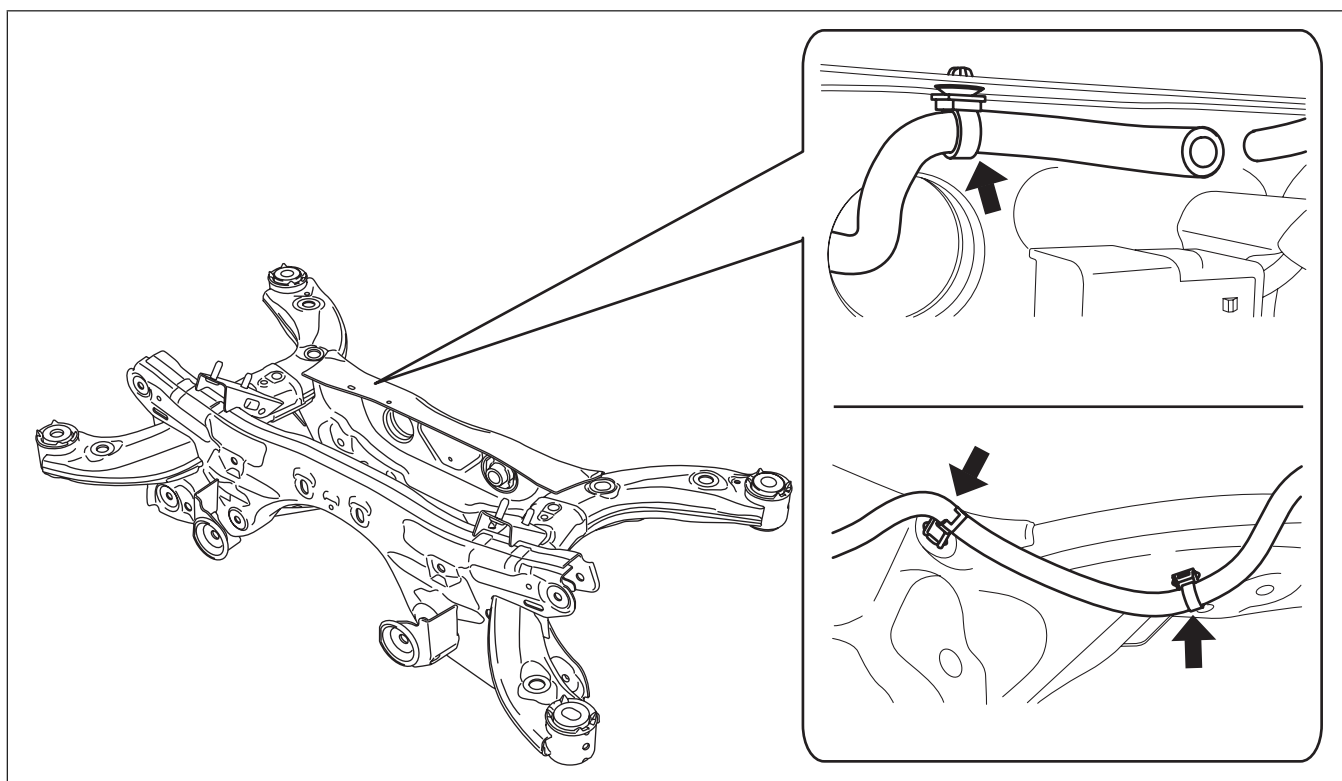


2. Disconnect the wiring harness clips and connectors installed to the rear crossmember.



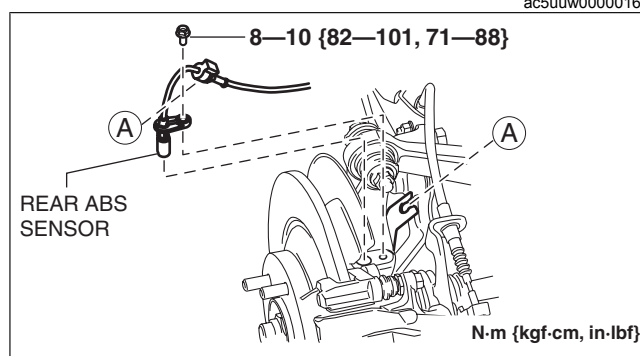
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3. Set the rear differential breather hose aside.



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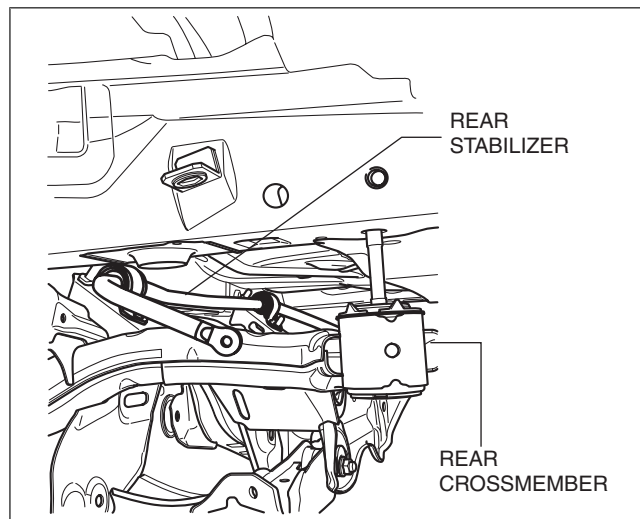
4. Disconnect the rear ABS wheel-speed sensor wiring harness installed to the hub support and set it aside. (See REAR ABS WHEEL-SPEED SENSOR REMOVAL/INSTALLATION.)
5. Remove the propeller shaft. (See PROPELLER SHAFT REMOVAL/INSTALLATION.)
6. Remove the TWC. (SKYACTIV-G 2.0, SKYACTIV-G 2.5) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
7. Remove the middle pipe. (SKYACTIV-D 2.2) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
8. Remove the rear coil spring. (See REAR COIL SPRING REMOVAL/INSTALLATION.)
9. Remove in the order indicated in the table.
10. Install in the reverse order of removal.
11. Inspect the wheel alignment and adjust it if necessary. (See REAR WHEEL ALIGNMENT.)



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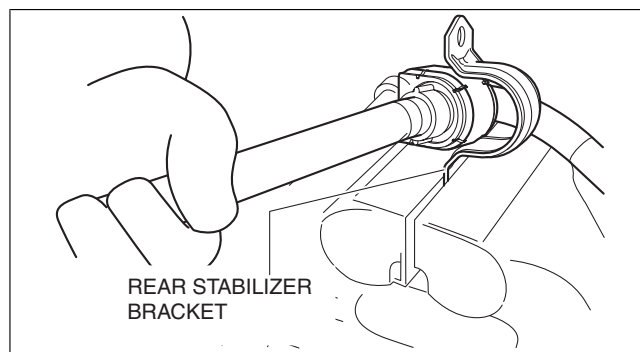
2. Press down on the rear crossmember component until the rear stabilizer component can be removed from the vehicle using a jack.



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#### Rear Stabilizer Bracket Removal Note

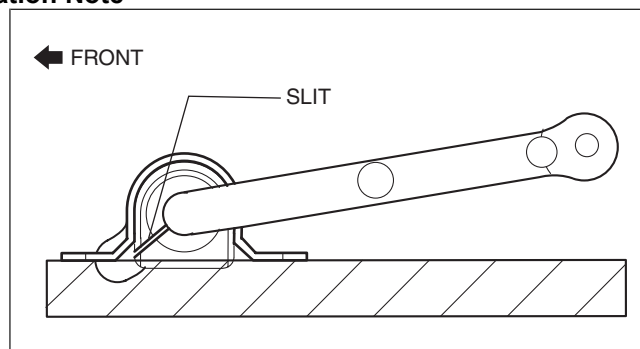
1. Secure the rear stabilizer bracket flange using a vise.



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#### Rear Stabilizer Bushing, Rear Stabilizer Bracket Installation Note

1. Install the rear stabilizer bushing with the slit pointing toward the front of the vehicle.
2. Install the rear stabilizer bracket to the front stabilizer bushing by hand using the following procedure.

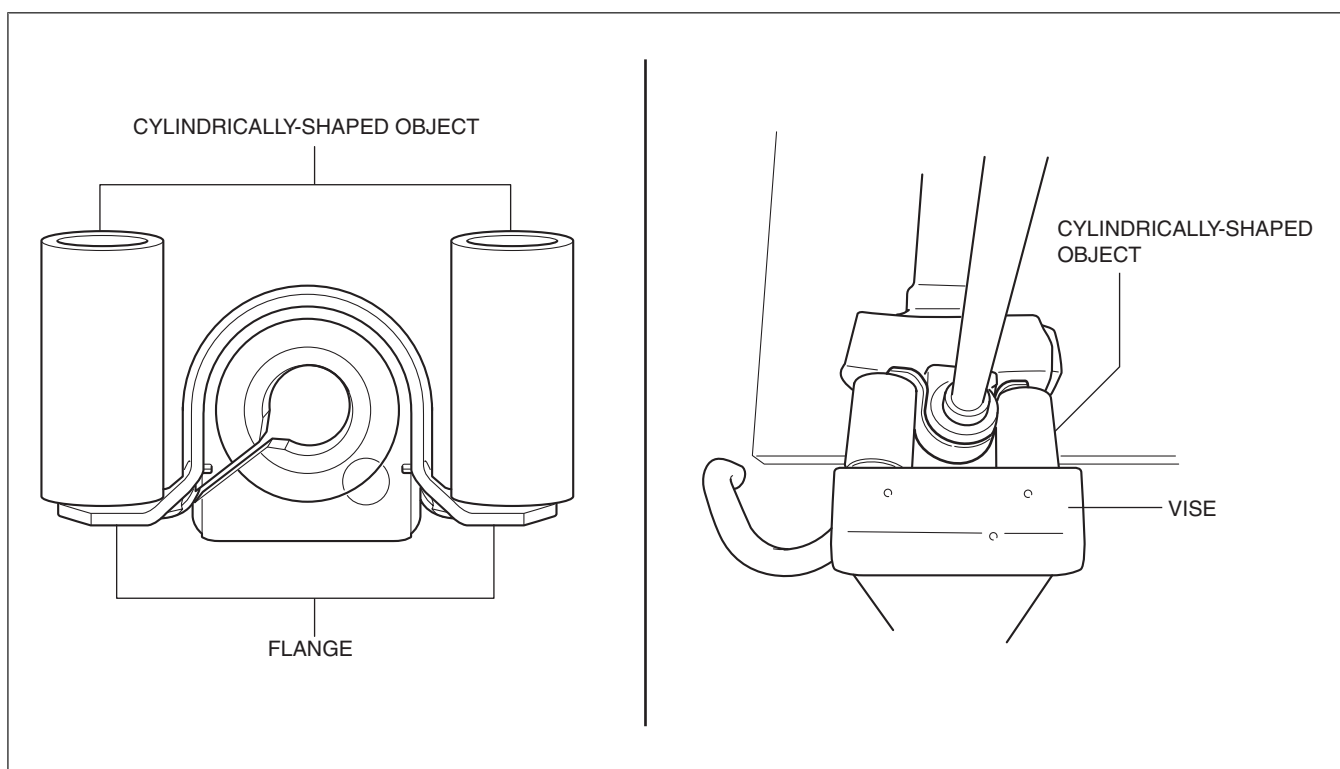


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3. If the rear stabilizer bracket cannot be installed by hand, install it using a vise.

#### Caution

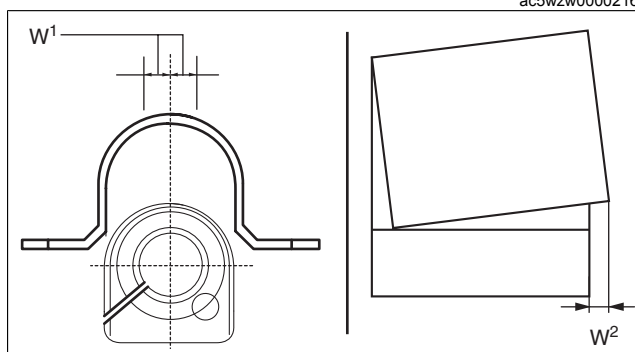
- If the rear stabilizer bracket is installed using a vise, it could be deformed.
- Set a cylindrically-shaped object as shown in the figure so that pressure is applied to the rear stabilizer bracket flange, and install the rear stabilizer bracket to the rear stabilizer bushing.



4. During rear stabilizer bracket installation, keep the deviation in the positions of the rear stabilizer bracket and the rear stabilizer bushing within the range shown in the figure.

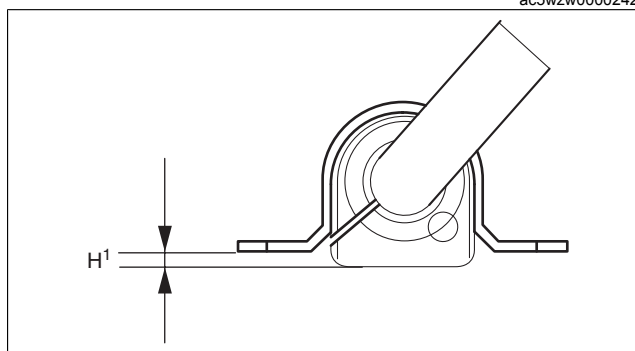
**$W^1$ : 0.5 mm {0.21 in} max.**

**$W^2$ : 2 mm {0.08 in} max.**



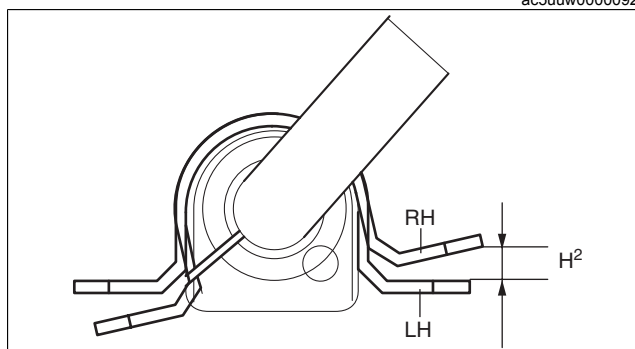
5. After installing the rear stabilizer bracket, verify that the positions of the rear stabilizer bracket and the rear stabilizer bushing are within the range shown in the figure.

**$H^1$ : 13 mm {0.51 in} max.**



6. After installing the rear stabilizer bracket, verify that the right and left-side positions of the rear stabilizer bracket are within the range shown in the figure.

**$H^2$ : 3 mm {0.1 in} max.**



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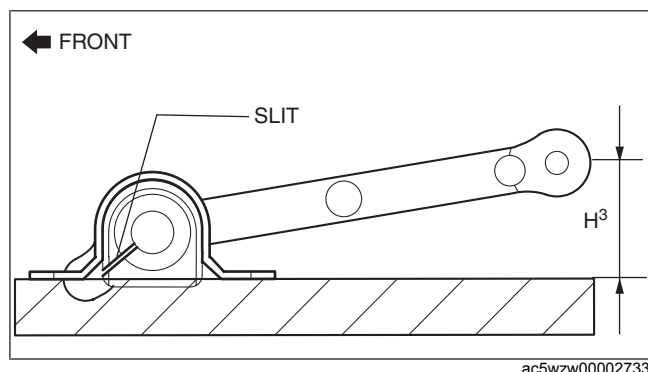
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7. Place the rear stabilizer component on a level workbench, and verify that it is within the range shown in the figure.

**H<sup>3</sup>: 41.8—51.8 mm {1.65—2.03 in}**



#### **Rear Stabilizer Component Installation Note**

1. Temporarily tighten bolts A and B shown in the figure.
2. Tighten bolt A.

#### **Tightening torque**

**21—26 N·m {9.3—11 kgf·m, 16—19 ft·lbf}**

3. Tighten bolt B.

#### **Tightening torque**

**21—26 N·m {9.3—11 kgf·m, 16—19 ft·lbf}**

4. Tighten bolt A.

#### **Tightening torque**

**21—26 N·m {9.3—11 kgf·m, 16—19 ft·lbf}**

5. Lift up the rear crossmember component using a jack and install the rear crossmember installation nuts.

#### **Tightening torque**

**91—111 N·m {9.3—11 kgf·m, 68—81 ft·lbf}**

