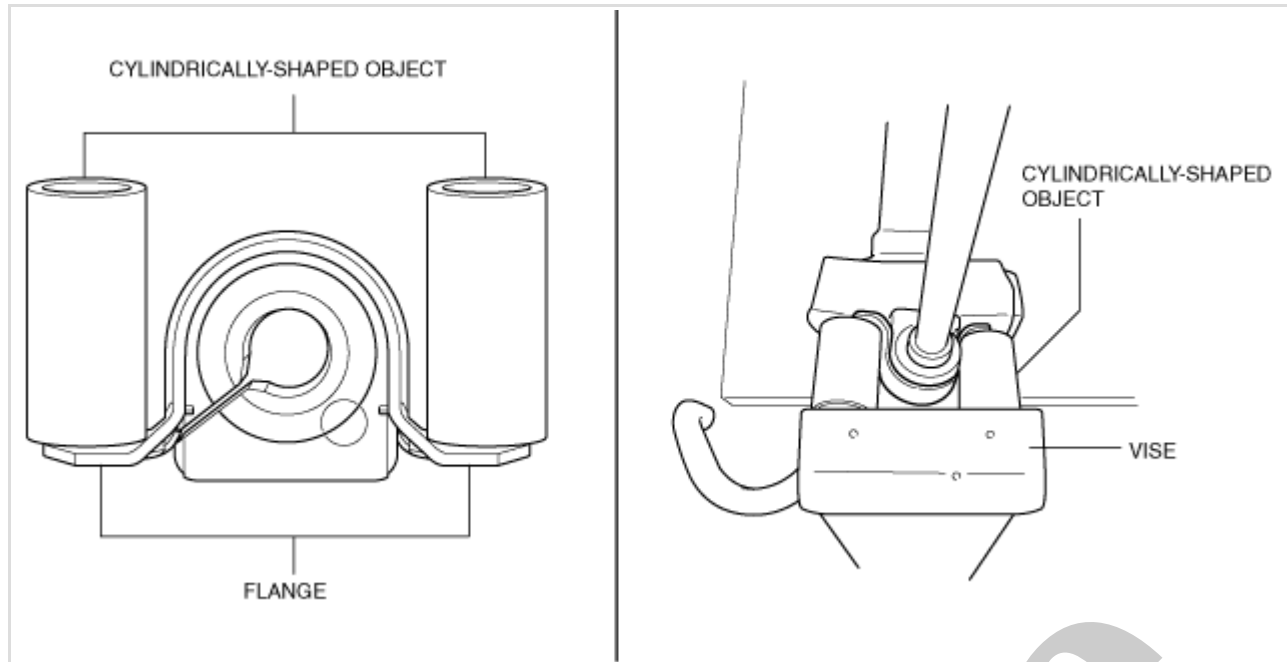


Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

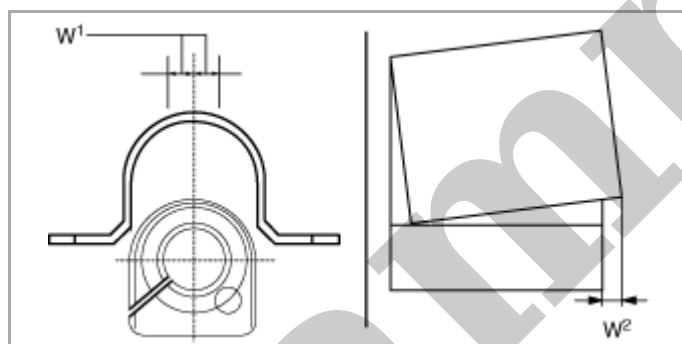
2011 MAZDA 2 OEM Service and Repair Workshop Manual

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ac5uuw00009040

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.

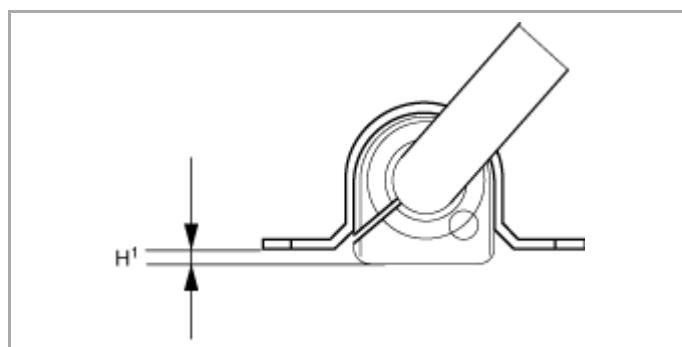


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W^1 : 0.5 mm {0.02 in} max.

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.



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

REAR COIL SPRING REMOVAL/INSTALLATION

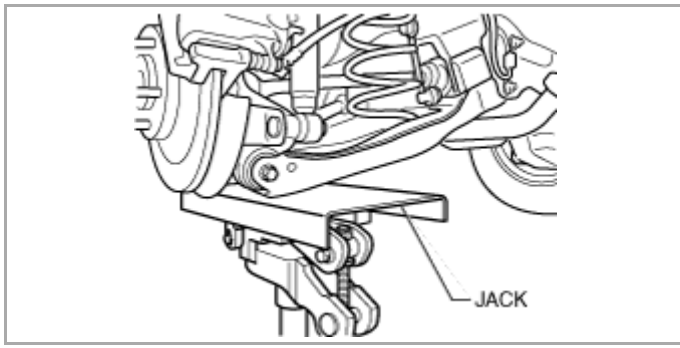
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Warning

- Be careful not to allow the coil spring to fly off when removing/installing the coil spring. Otherwise, the coil spring could fly off and cause serious injure or death, or damage to the vehicle.

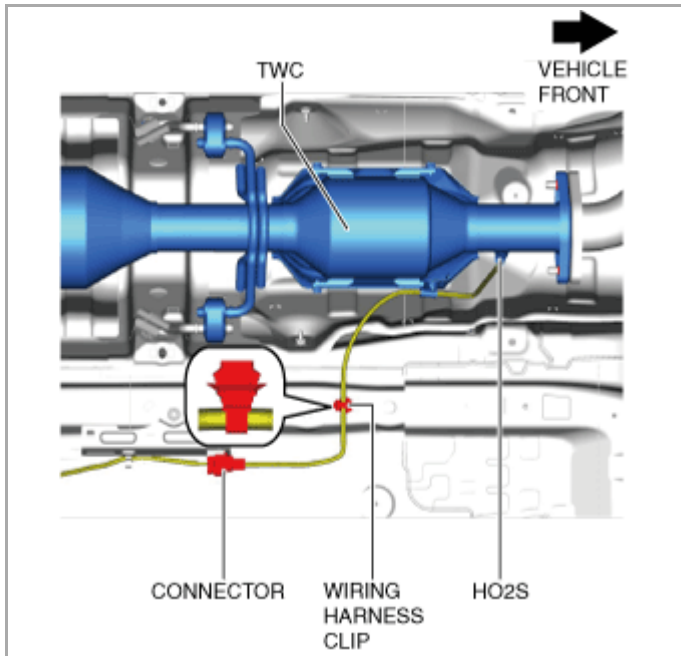
- 1.Remove the wheel and tire. (See [WHEEL AND TIRE REMOVAL/INSTALLATION](#).)
- 2.Remove in the order indicated in the table.
- 3.Install in the reverse order of removal. (See [Suspension Links Installation Note](#).)
- 4.When replacing the rear coil spring, inspect the wheel alignment and adjust it if necessary. (See [FRONT WHEEL ALIGNMENT](#).)



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5.Install the rear lower arm outer bolt.

Sample

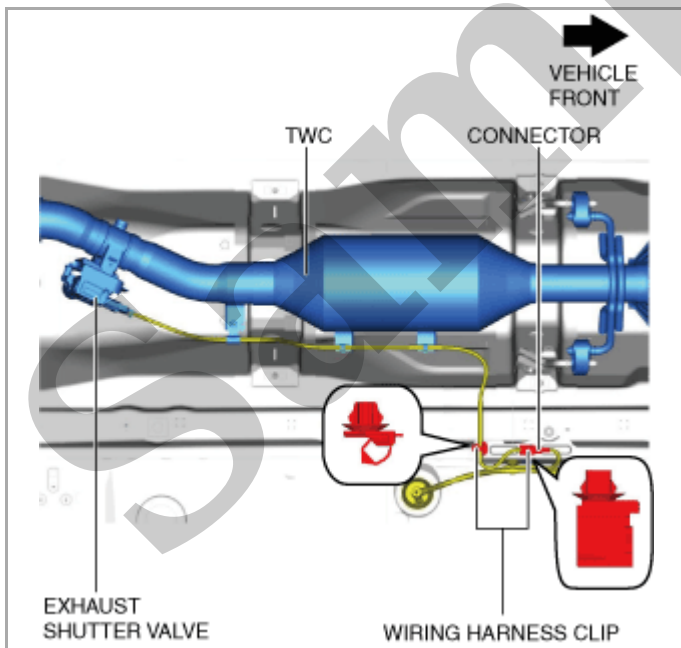


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(2) Remove the TWC. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITHOUT CYLINDER DEACTIVATION\)\]](#).) (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5T\]](#).)

10. For SKYACTIV-G 2.5 (With cylinder deactivation) vehicles, perform the following procedure.

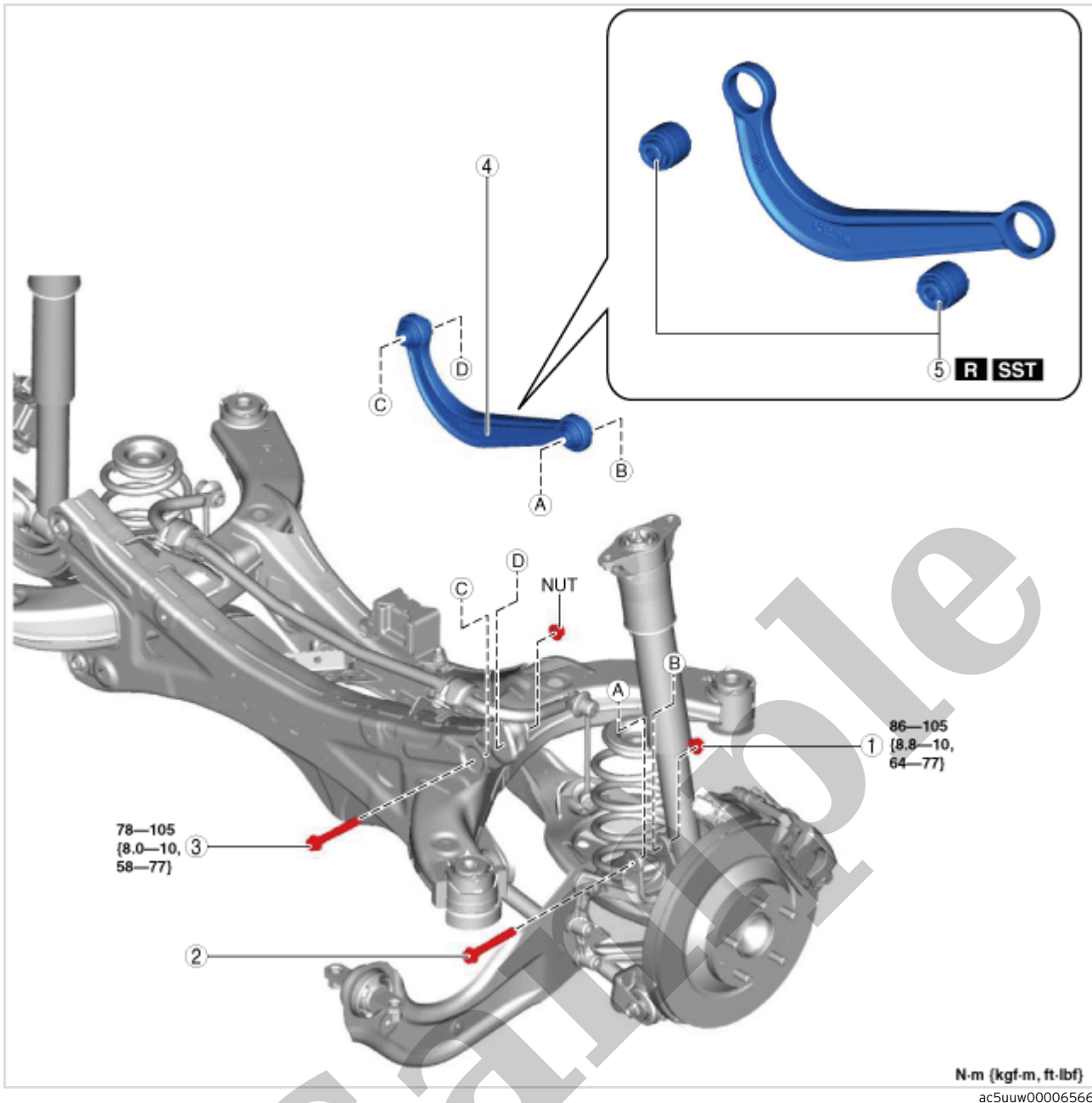
(1) Disconnect the exhaust shutter valve connector.



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(2) Disconnect the wiring harness clips.

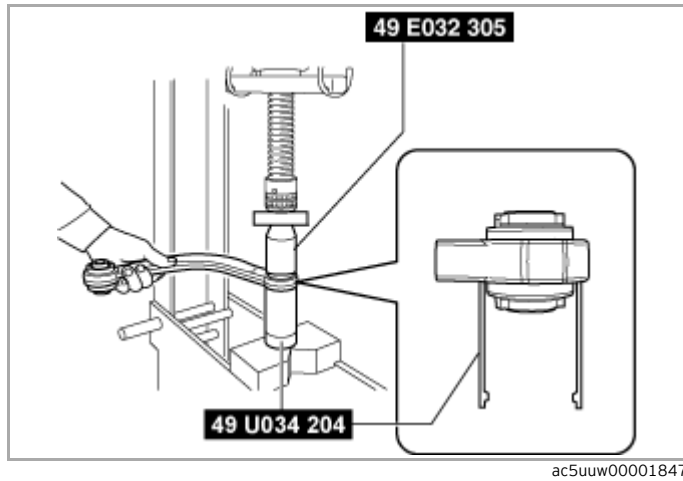
(3) Disconnect the HO2S connector and the wiring harness clip.



1	Rear upper arm outer nut (See Rear Upper Arm Removal Note.)
2	Rear upper arm outer bolt (See Rear Upper Arm Removal Note.) (See Rear Upper Arm Outer Bolt Installation Note.)
3	Rear upper arm inner bolt (See Rear Upper Arm Removal Note.) (See Rear Upper Arm Inner Bolt Installation Note.)
4	Rear upper arm (See Rear Upper Arm Removal Note.) (See Rear Upper Arm Inner Bolt Installation Note.)
5	Rear upper arm bushing (See Rear Upper Arm Bushing Removal Note.) (See Rear Upper Arm Bushing Installation Note.)

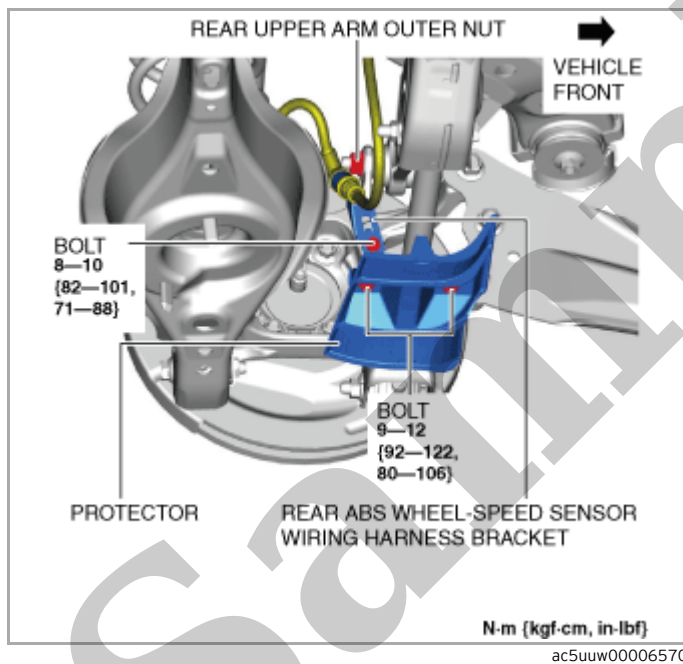
Rear Upper Arm Removal Note

1. Jack up the vehicle to the unloaded condition, and support the rear lower arm using a jack.



Suspension Links Installation Note

1. Remove the protector. (With protector)

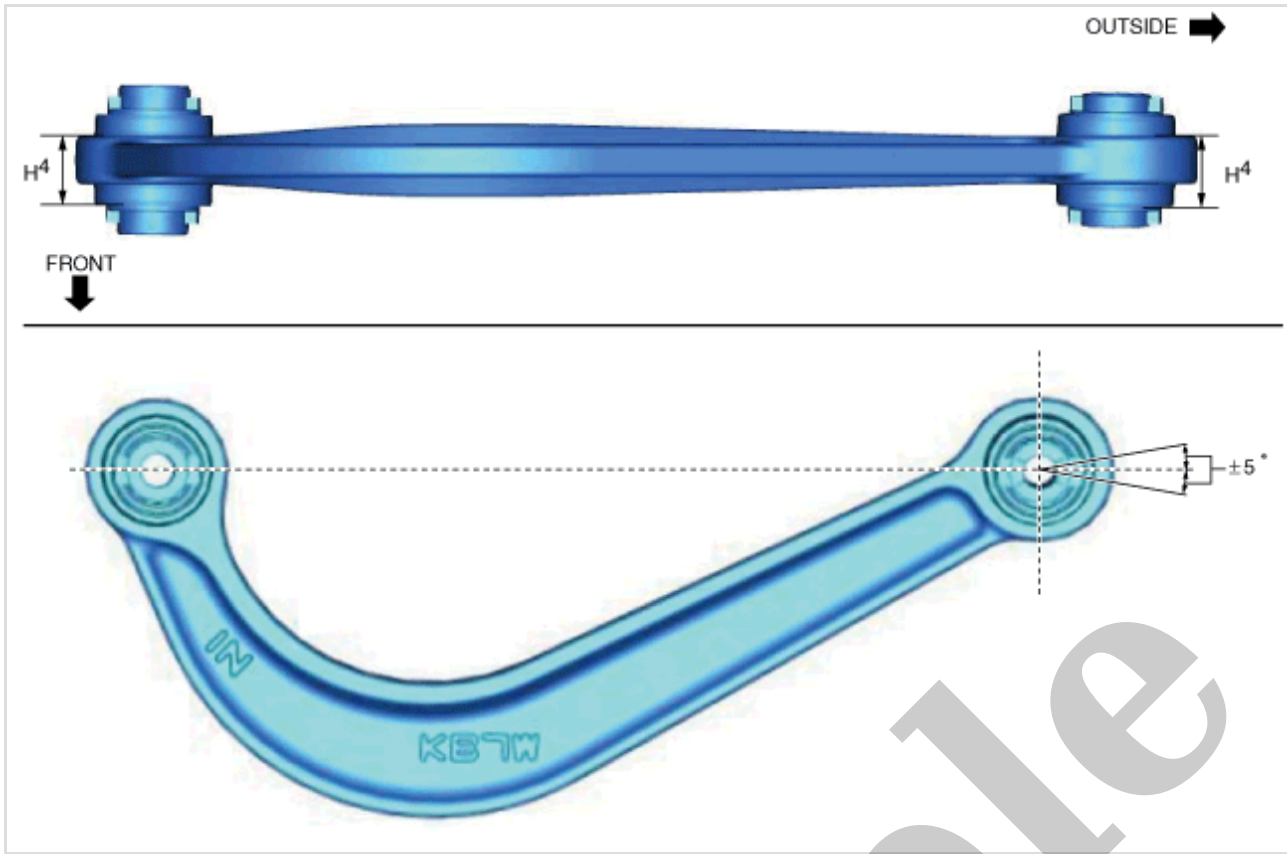


2. Remove the rear ABS wheel-speed sensor wiring harness bracket.
3. When installing the joint sections with rubber bushings, perform the following procedures.

- (1) Temporarily tighten the bolts and nuts with the vehicle lifted up.
- (2) Lower the vehicle to the ground and tighten the bolts and nuts to the specified torque.

Rear Upper Arm Bushing Installation Note

1. Mark the new rear upper arm bushing as shown in the figure.



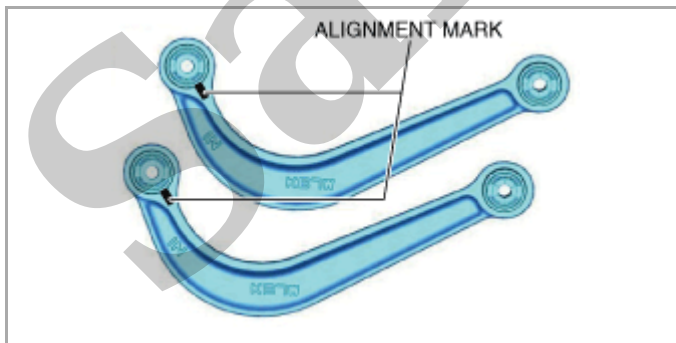
ac5uuw00006568

$H^4: 23.0 \pm 0.6 \text{ mm } \{0.906 \pm 0.02 \text{ in}\}$

Rear Upper Arm Inner Bolt Installation Note

Note

- When newly replacing the rear upper arm, place alignment marks on the new part in the same position as the removed rear upper arm.



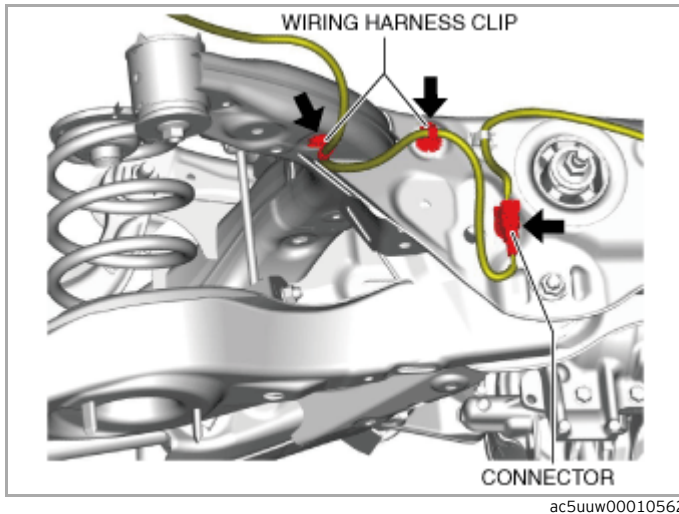
ac5uuw00011211

1. Align the alignment marks and tighten the rear upper arm inner bolt to the specified torque.

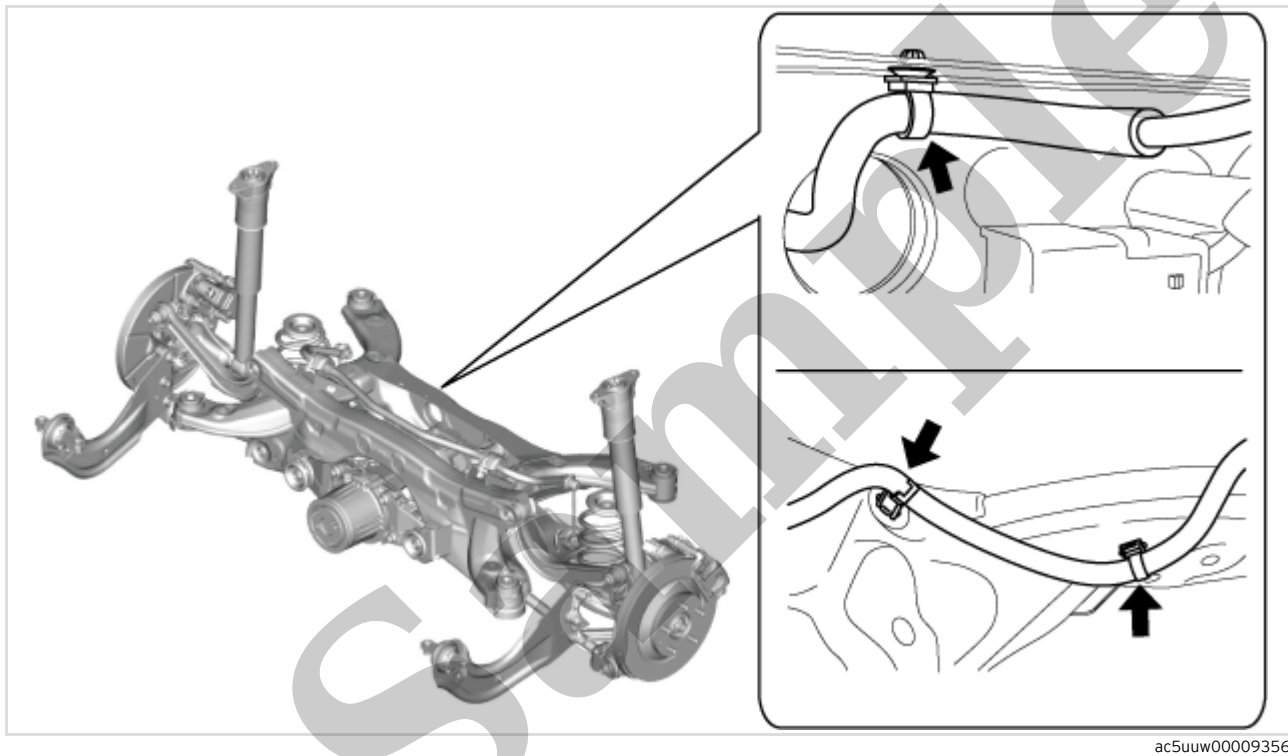
Tightening torque

78–105 N·m {8.0–10 kgf·m, 58–77 ft·lbf}

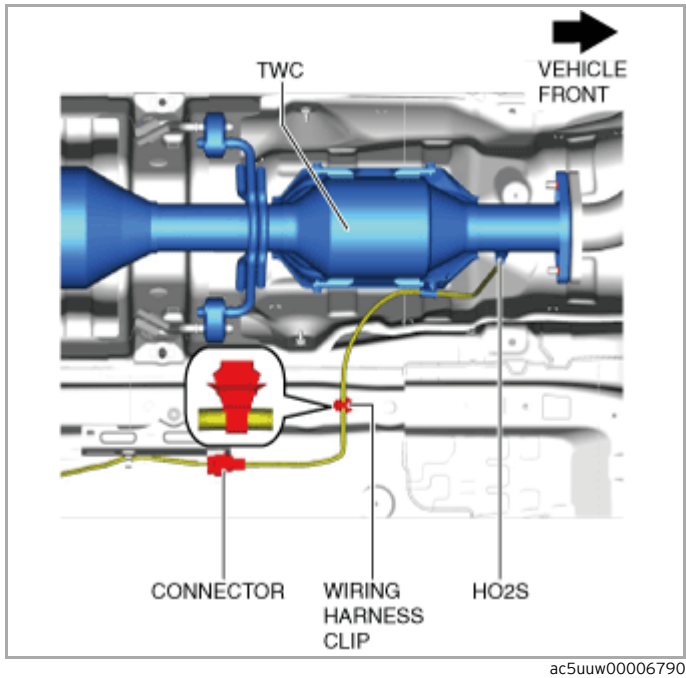
2. Lift up the rear crossmember component using a jack and install the rear crossmember installation nuts.



7.Set the rear differential breather hose aside.



8.Disconnect the rear ABS wheel-speed sensor wiring harness and the electric parking brake motor gear unit connector and set it aside so that it does not interfere with the servicing. (See [REAR ABS WHEEL-SPEED SENSOR REMOVAL/INSTALLATION \[AWD\].](#))

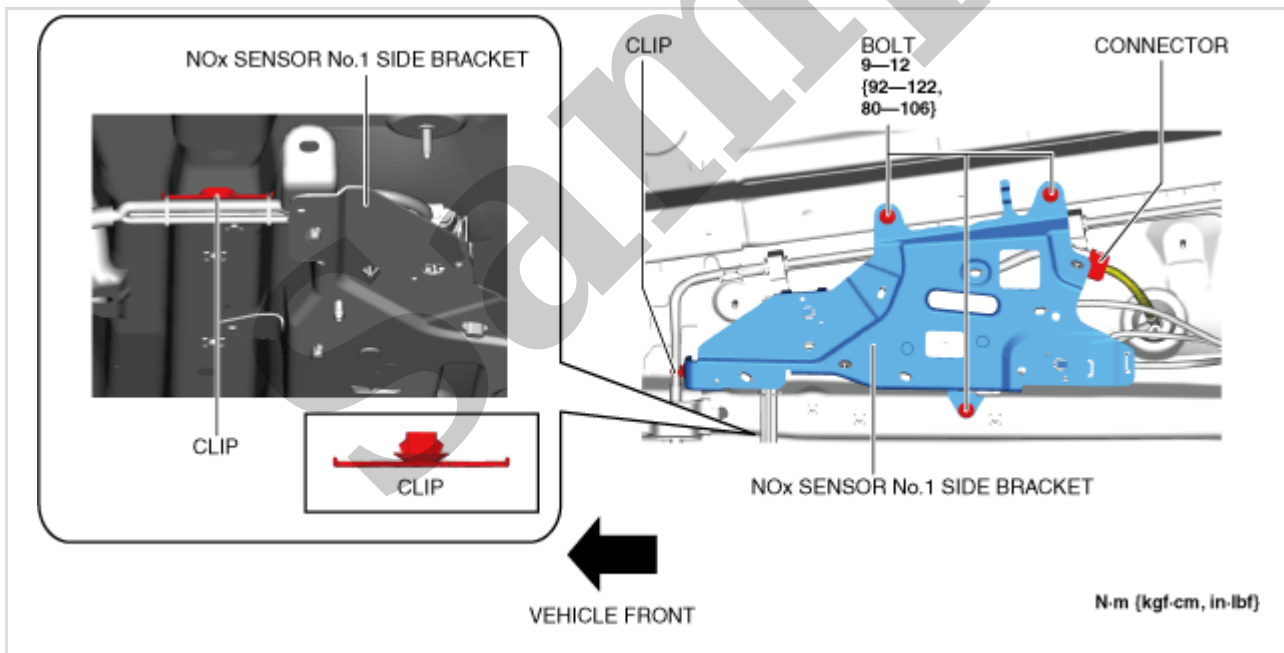


(4) Remove the TWC. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.5 \(WITH CYLINDER DEACTIVATION\)\]](#).)

13. For SKYACTIV-D 2.2 vehicles, perform the following procedure.

(1) Disconnect the quick release connector from the urea injector. (See [UREA INJECTOR REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\]](#).) (See [QUICK RELEASE CONNECTOR \(EMISSION SYSTEM\) REMOVAL/INSTALLATION \[SKYACTIV-D 2.2\]](#).)

(2) Remove the clips.



(3) Remove the bolts.

(4) Disconnect the connector.

(5) Set the NOx sensor No.1 side bracket aside.

(6) Remove the bolts.