

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000029XUT
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: FRONT SPEED SENSOR: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

INSTALLATION

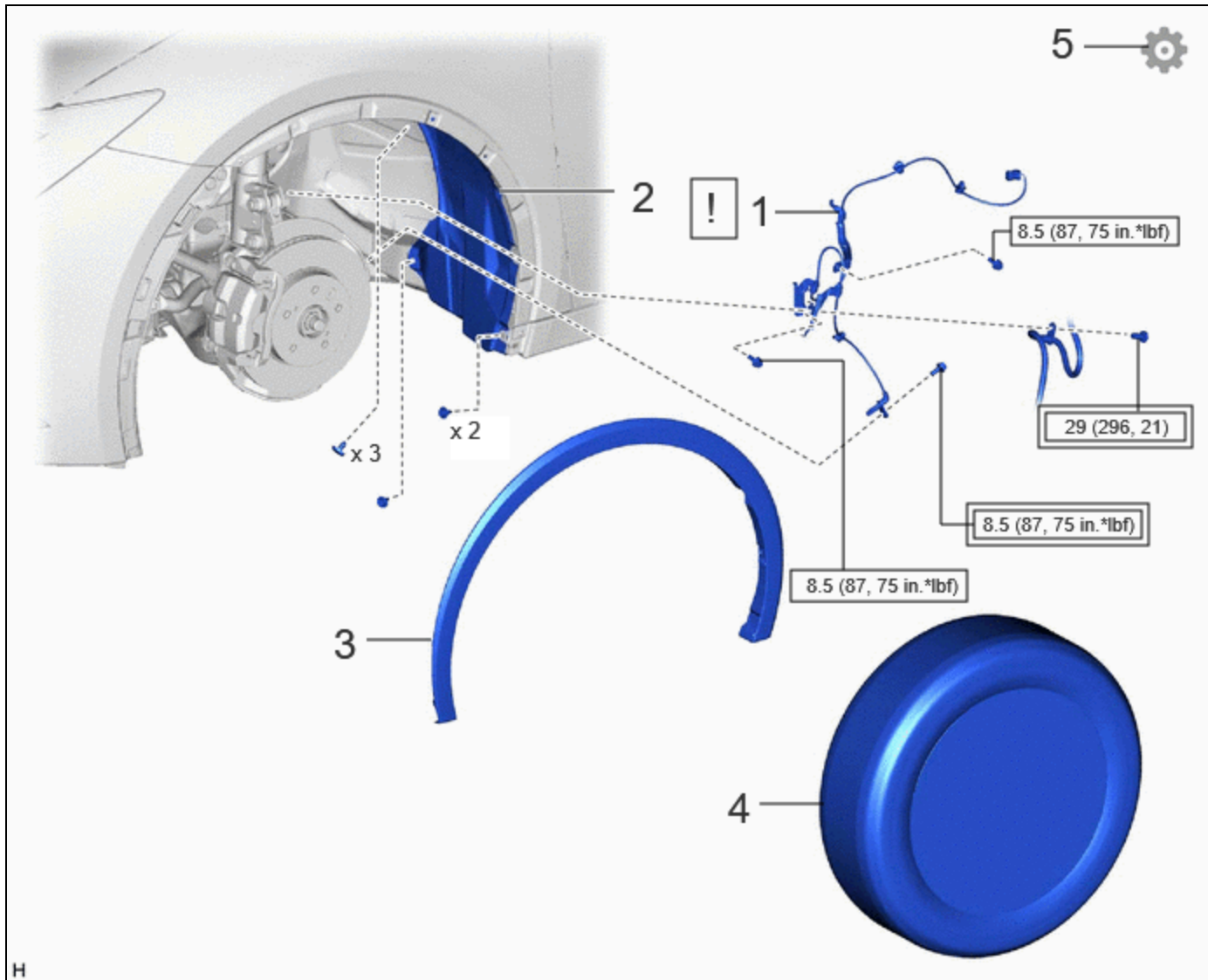
CAUTION / NOTICE / HINT




HINT:



- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.
- The front speed sensor rotor is a component of the front axle hub sub-assembly. If the front speed sensor rotor is malfunctioning, replace the front axle hub sub-assembly.

CAUTION / NOTICE / HINT

COMPONENTS (INSTALLATION)



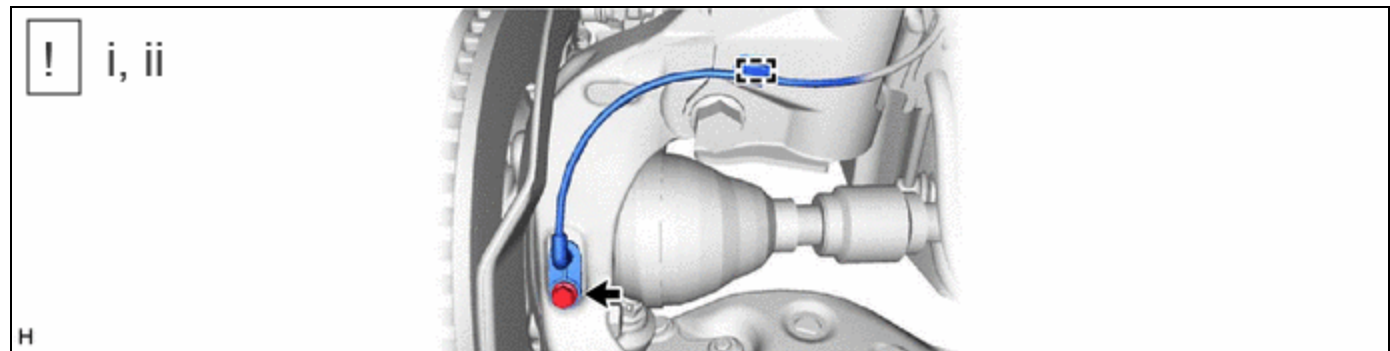
	PROCEDURE	PART NAME CODE			
1	FRONT SPEED SENSOR	89543	INFO	-	-
2	FRONT FENDER LINER	53876A	-	-	-
3	WHEEL OPENING MOULDING	-	-	-	-
4	FRONT WHEEL	-	-	-	-
5	CHECK FOR SPEED SENSOR SIGNAL	-	-	-	INFO

	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping" : N*m (kgf*cm, ft.*lbf)		N*m (kgf*cm, ft.*lbf): Specified torque
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PROCEDURE

1. INSTALL FRONT SPEED SENSOR

	<p>NOTICE:</p> <p>Do not twist the front speed sensor wire harness when installing it.</p>
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(1) Install the front speed sensor to the steering knuckle with the bolt.

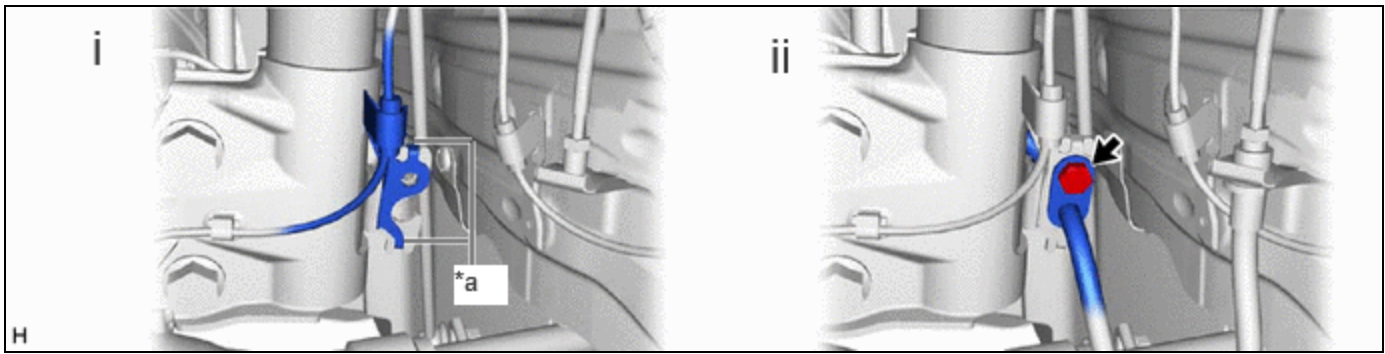
Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}

NOTICE:

- Keep the tip of the front speed sensor and installation hole free of foreign matter.
- Firmly insert the front speed sensor body into the steering knuckle before tightening the bolt.
- After installing the front speed sensor to the steering knuckle, make sure that there is no clearance between the front speed sensor stay and steering knuckle. Also make sure that no foreign matter is stuck between the parts.

(2) Engage the clamp to the front shock absorber assembly.

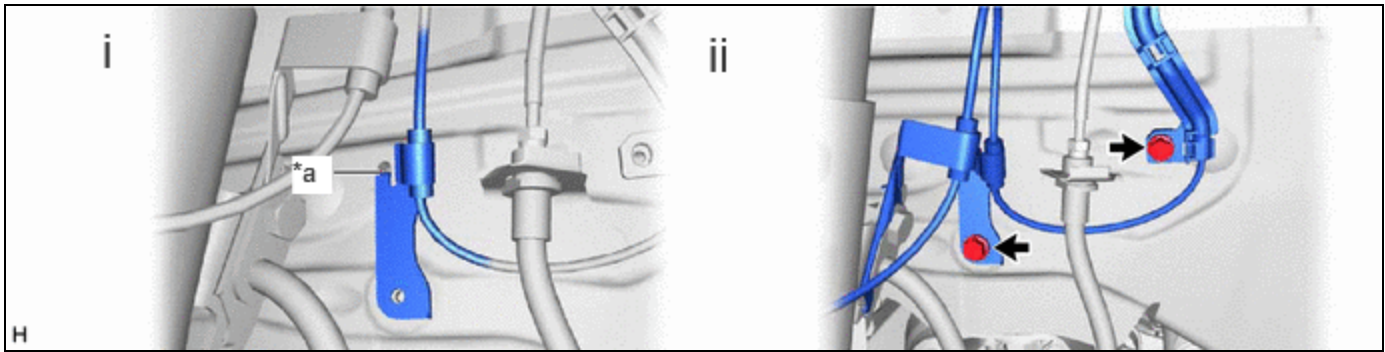


*a	Hook	-	-
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- (1) Engage the 2 hooks to the front shock absorber assembly.
- (2) Install the front speed sensor clamp and front flexible hose to the front shock absorber assembly with the bolt.

Torque:

29 N·m {296 kgf·cm, 21 ft·lbf}

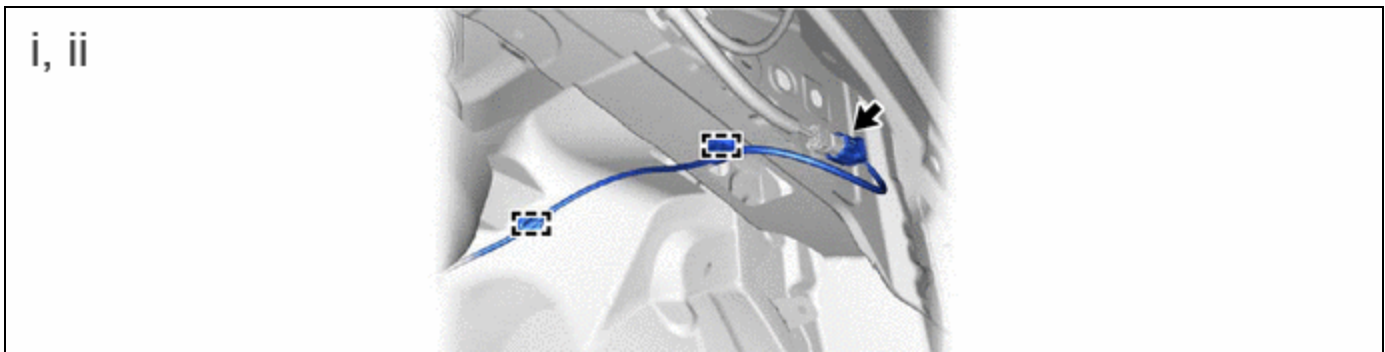


*a	Hook	-	-
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- (1) Engage the hook to the vehicle body.
- (2) Install the front speed sensor with the 2 bolts.

Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}



- (1) Engage the 2 clamps to the vehicle body.
- (2) Connect the connector.

2. INSTALL FRONT FENDER LINER

3. INSTALL WHEEL OPENING MOULDING

Click here [INFO](#)

4. INSTALL FRONT WHEEL

Click here [INFO](#)

5. CHECK FOR SPEED SENSOR SIGNAL

Click here [INFO](#)

