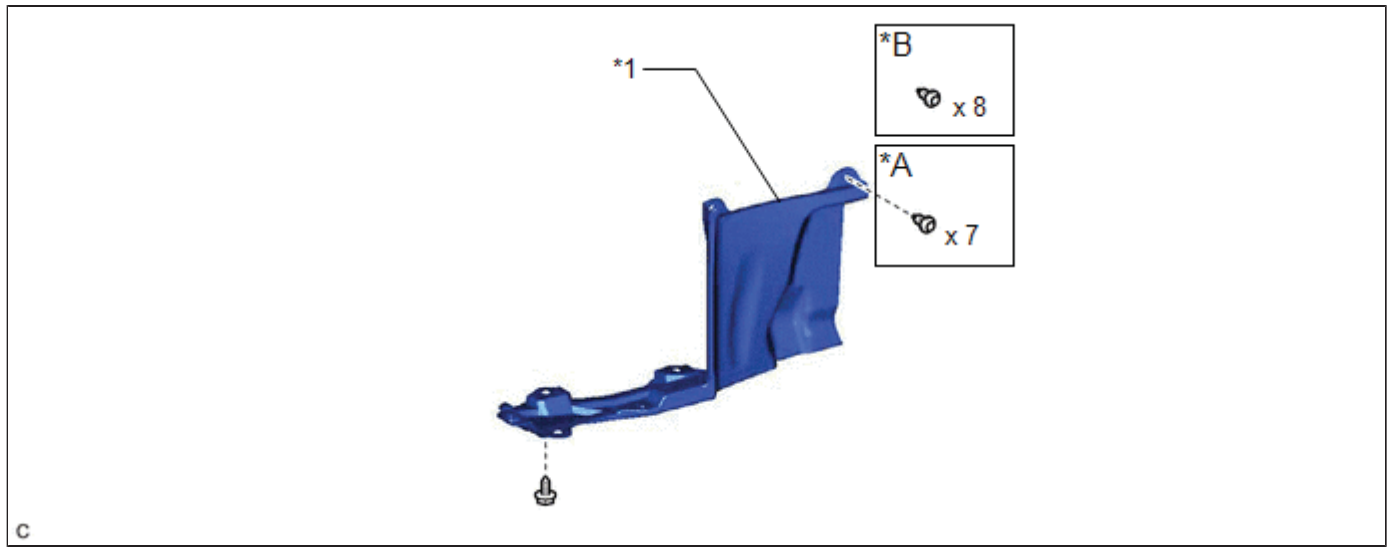


Last Modified: 01-14-2019	6.8:8.0.48	Doc ID: RM100000000TJ53
Model Year Start: 2016	Model: Prius	Prod Date Range: [11/2015 -]
Title: 2ZR-FXE (COOLING): TEMPERATURE SWITCH: COMPONENTS; 2016 - 2019 MY Prius [11/2015 -]		

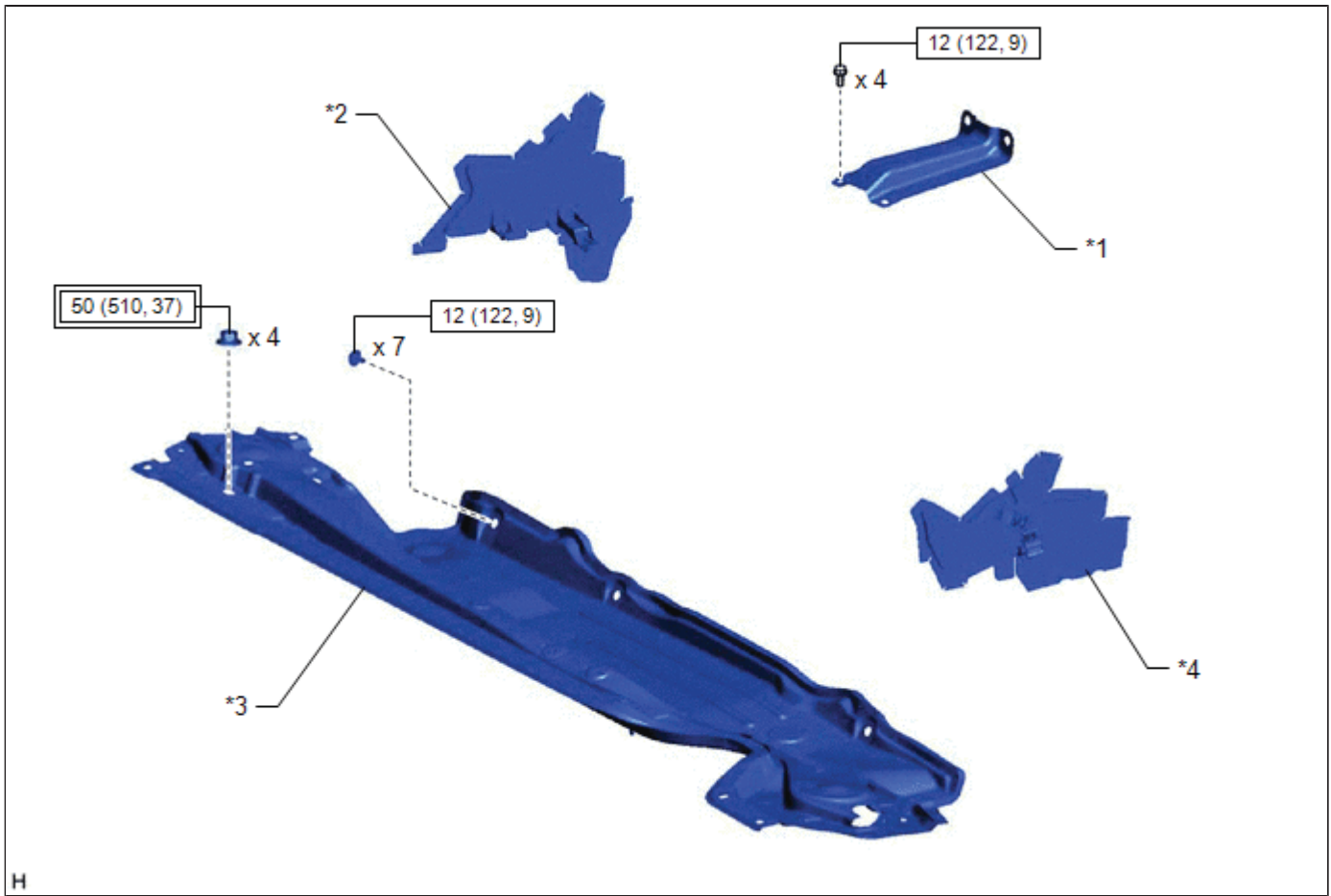
COMPONENTS



ILLUSTRATION



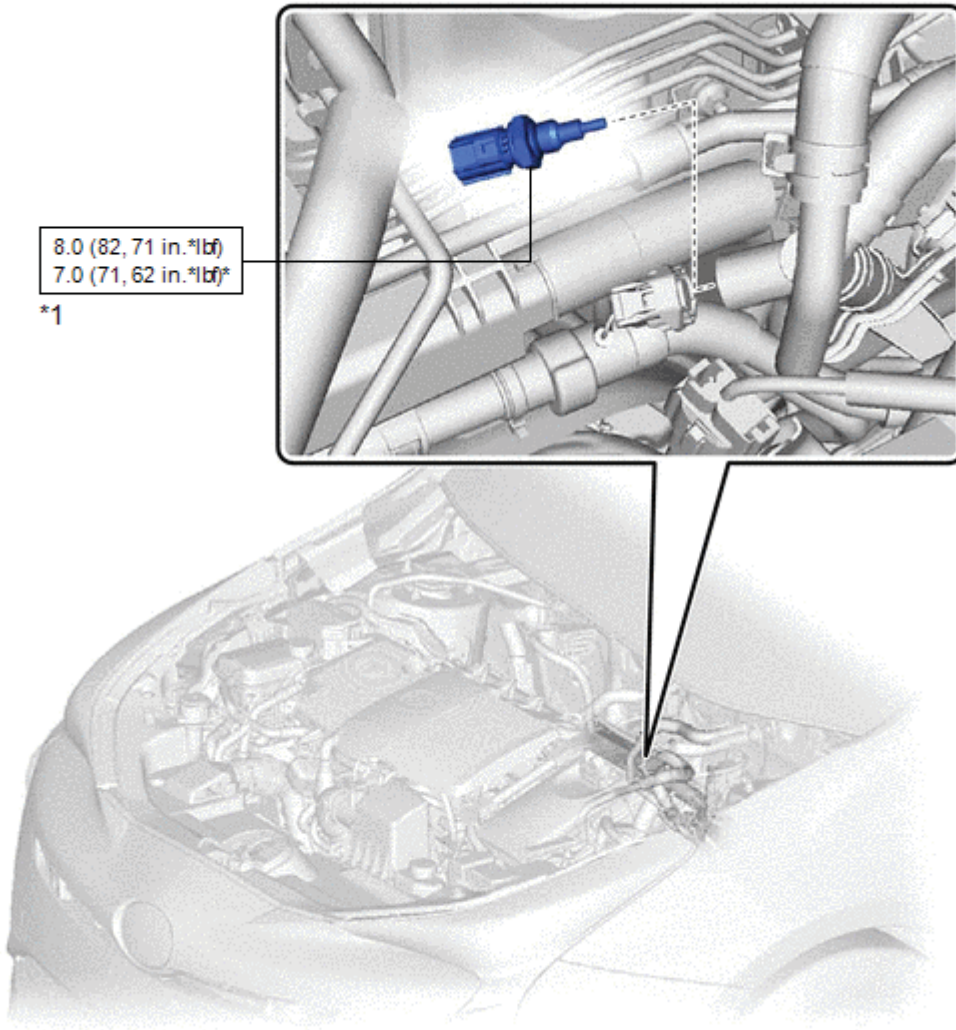
*A	except Rough Road Area Specification Vehicles	*B	for Rough Road Area Specification Vehicles
*1	REAR MOTOR UNDER COVER LH	-	-

ILLUSTRATION




*1	COWL BODY MOUNTING REINFORCEMENT LH	*2	NO. 1 HEATER AIR DUCT SPLASH SHIELD SEAL
*3	OUTER COWL TOP PANEL SUB-ASSEMBLY	*4	WATER GUARD PLATE LH
	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

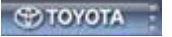
ILLUSTRATION



8.0 (82, 71 in.*lbf)
7.0 (71, 62 in.*lbf)*
*1

c

*1	ENGINE COOLANT TEMPERATURE SENSOR	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with a 19 mm union nut wrench



Last Modified: 01-14-2019	6.8:8.0.48	Doc ID: RM100000000TJ52
Model Year Start: 2016	Model: Prius	Prod Date Range: [11/2015 -]
Title: 2ZR-FXE (COOLING): TEMPERATURE SWITCH: INSPECTION; 2016 - 2019 MY Prius [11/2015 -]		

INSPECTION

PROCEDURE

1. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(A10\)](#)

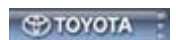
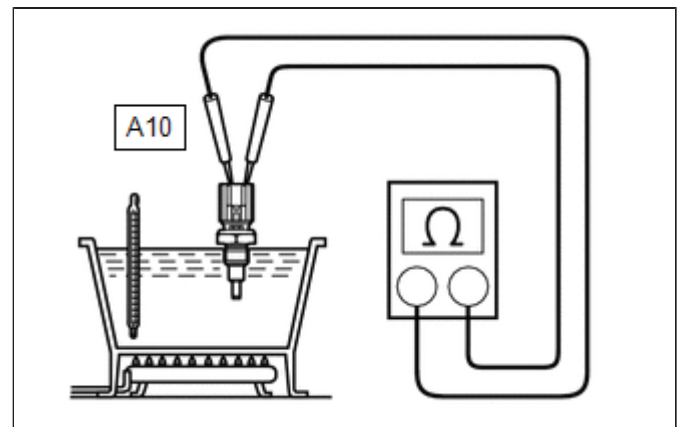
[Click Connector\(A10\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A10-1 (E2) - A10-2 (TSW3)	Approximately 20°C (68°F)	2.32 to 2.59 kΩ
A10-1 (E2) - A10-2 (TSW3)	Approximately 80°C (176°F)	0.310 to 0.326 kΩ

NOTICE:

When checking the engine coolant temperature sensor in water, keep the terminals dry. After the check, dry the engine coolant temperature sensor.

If the result is not as specified, replace the engine coolant temperature sensor.



Last Modified: 01-14-2019	6.8:8.0.48	Doc ID: RM100000000TJ51
Model Year Start: 2016	Model: Prius	Prod Date Range: [11/2015 -]
Title: 2ZR-FXE (COOLING): TEMPERATURE SWITCH: INSTALLATION; 2016 - 2019 MY Prius [11/2015 -]		

INSTALLATION

PROCEDURE

1. INSTALL ENGINE COOLANT TEMPERATURE SENSOR

(a) Using a 19 mm union nut wrench, install the engine coolant temperature sensor to the No. 2 water joint.

Torque:

Specified tightening torque :

8.0 N·m {82 kgf·cm, 71 in·lbf}

NOTICE:

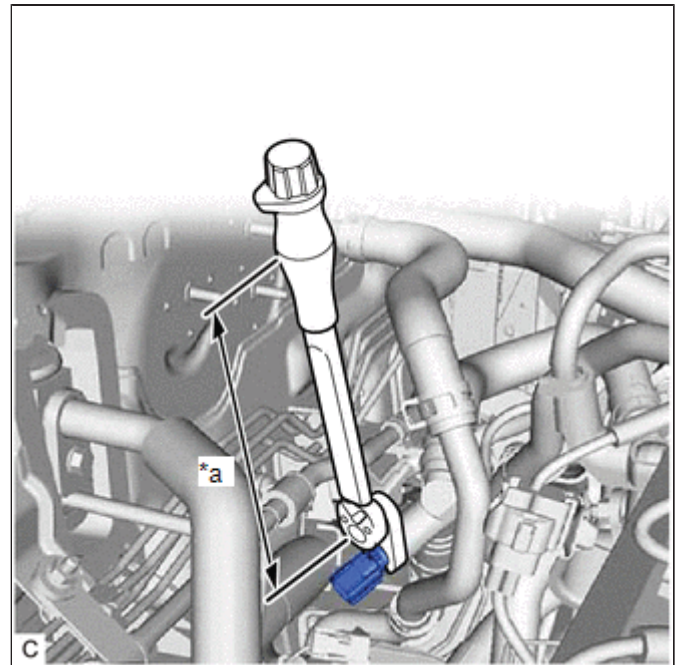
Do not apply any excessive force to the heater pipe when installing the engine coolant temperature sensor.

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.

Click here [INFO](#) [INFO](#) [INFO](#)

- When using a 19 mm union nut wrench (fulcrum length of 30.0 mm (1.18 in.)) + torque wrench (fulcrum length of 155 mm (6.10 in.)): 7.0 N*m (71 kgf*cm, 62 in.*lbf)



*a	Torque Wrench Fulcrum Length
----	------------------------------

(b) Connect the engine coolant temperature sensor connector.

2. INSTALL OUTER COWL TOP PANEL SUB-ASSEMBLY

Click here [INFO](#) [INFO](#)

3. INSTALL COWL BODY MOUNTING REINFORCEMENT LH

Click here [INFO](#) [INFO](#)

4. INSTALL WATER GUARD PLATE LH

Click here [INFO](#) [INFO](#)

5. INSTALL NO. 1 HEATER AIR DUCT SPLASH SHIELD SEAL

Click here [INFO](#) [INFO](#)

6. INSTALL WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

Click here [INFO](#)

7. ADD ENGINE COOLANT (for Engine)

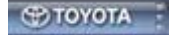
Click here [INFO](#) [INFO](#)

8. INSPECT FOR COOLANT LEAK (for Engine)

Click here [INFO](#) [INFO](#)

9. INSTALL REAR MOTOR UNDER COVER LH

Click here [INFO](#)



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Model Year Start: 2016	Model: Prius	Prod Date Range: [11/2015 -]
Title: 2ZR-FXE (COOLING): TEMPERATURE SWITCH: REMOVAL; 2016 - 2019 MY Prius [11/2015 -]		

REMOVAL

PROCEDURE

1. REMOVE REAR MOTOR UNDER COVER LH

Click here [INFO](#)

2. DRAIN ENGINE COOLANT (for Engine)

Click here [INFO](#) [INFO](#)

3. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

Click here [INFO](#)

4. REMOVE NO. 1 HEATER AIR DUCT SPLASH SHIELD SEAL

Click here [INFO](#) [INFO](#)

5. REMOVE WATER GUARD PLATE LH

Click here [INFO](#) [INFO](#)

6. REMOVE COWL BODY MOUNTING REINFORCEMENT LH

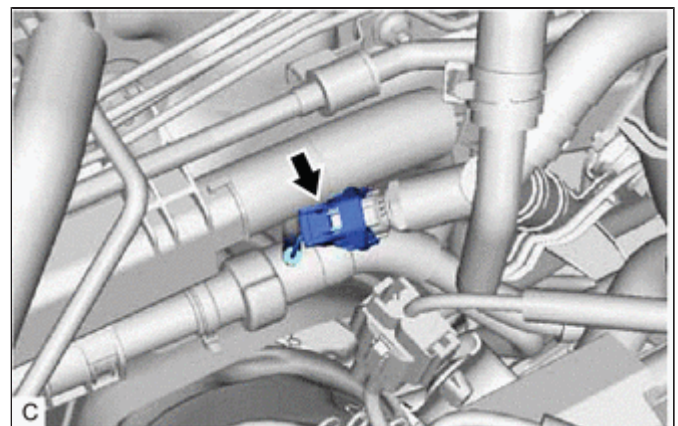
Click here [INFO](#) [INFO](#)

7. REMOVE OUTER COWL TOP PANEL SUB-ASSEMBLY

Click here [INFO](#) [INFO](#)

8. REMOVE ENGINE COOLANT TEMPERATURE SENSOR

(a) Disconnect the engine coolant temperature sensor connector.



(b) Using a 19 mm union nut wrench, remove the engine coolant temperature sensor from the No. 2 water joint.

NOTICE:

Do not apply any excessive force to the heater pipe when removing the engine coolant temperature sensor.

