TECHNICAL SERVICE BULLETIN

Classification:	Reference:	Date:
EC26-014	NTB26-019	April 15, 2026

MIL ON WITH DTC P0181 STORED IN THE ECM

APPLIED VEHICLES: 2025-2026 Kicks (P16)
2025-2026 Murano (Z53)
2022-2026 Rogue (T33)

IF YOU CONFIRM

The customer states the MIL is ON but the vehicle does not have any drivability concerns or reduced power message in the combination meter,

AND

DTC P0181 for “Fuel Tank Temperature” is stored in either “Past” or “Current” in the ECM.

ACTION

Follow the **SERVICE PROCEDURE** in this bulletin to:

1. Replace the fuel temperature sensor.
2. Erase all the DTCs.

IMPORTANT: The purpose of **ACTION** (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

SERVICE PROCEDURE

1. Remove the fuel pump assembly.

⚠WARNING
To avoid severe personal injury or death, follow all cautions, warnings, and notes in the ESM when working on or near a fuel system, such as a fuel pump.

- Kicks (P16) - Refer to the ESM: **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL PUMP AND FPCM > AWD > Removal and Installation**

- Murano (Z53) - Refer to the ESM: **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY > Removal and Installation**

- Rogue (T33) - Refer to the ESM: **ENGINE > FUEL SYSTEM > KR15DDT > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY > Removal and Installation**

2. Confirm the position of the fuel temperature sensor attached to the fuel pump as shown in Figure 1 and Figure 2.

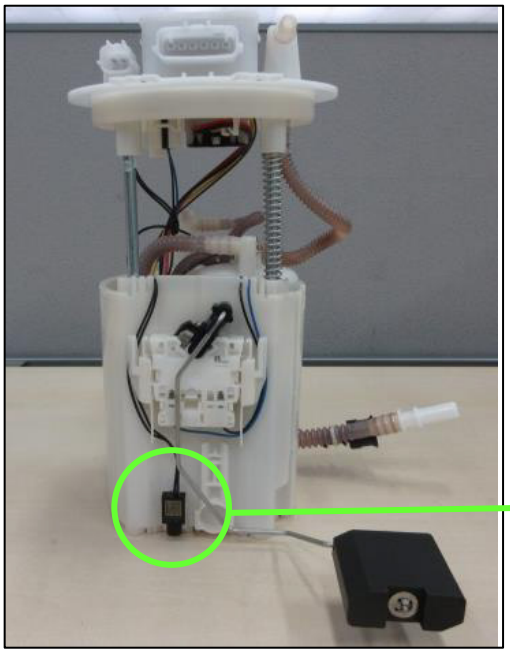

Figure 1

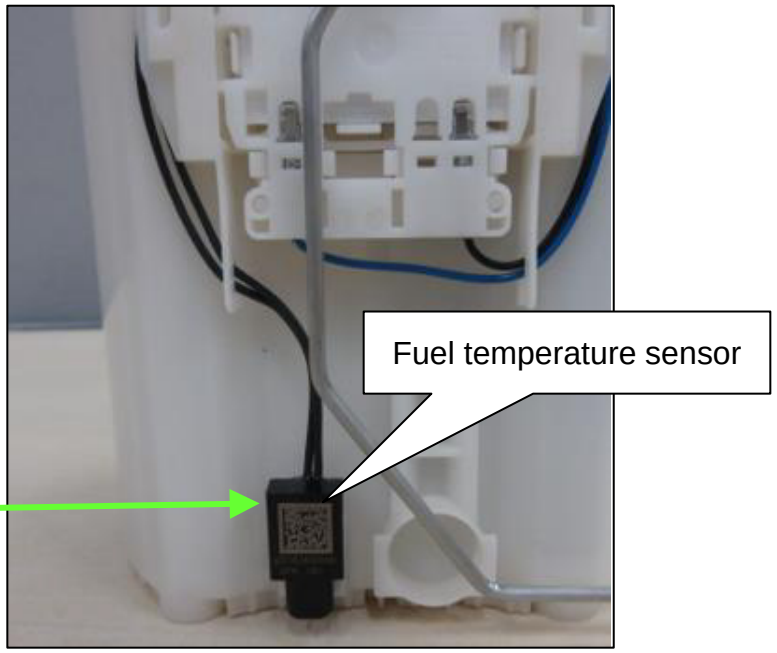

Figure 2

3. Lay the fuel pump sideways and position it so that the fuel temperature sensor faces upward as shown in Figure 3.

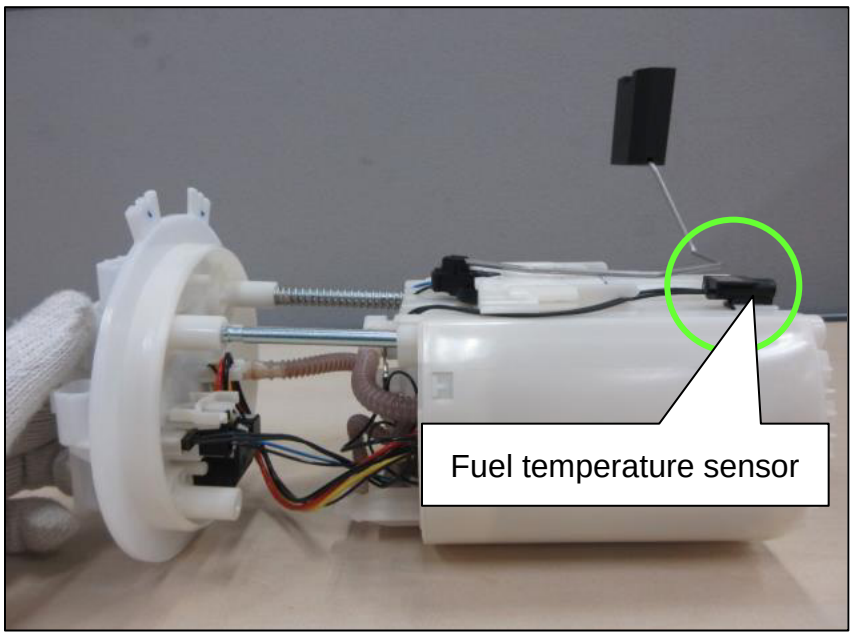

Figure 3

4. Insert a slotted screwdriver into the gap or open space between the fuel temperature sensor and the side of the fuel pump body as shown in Figure 5.

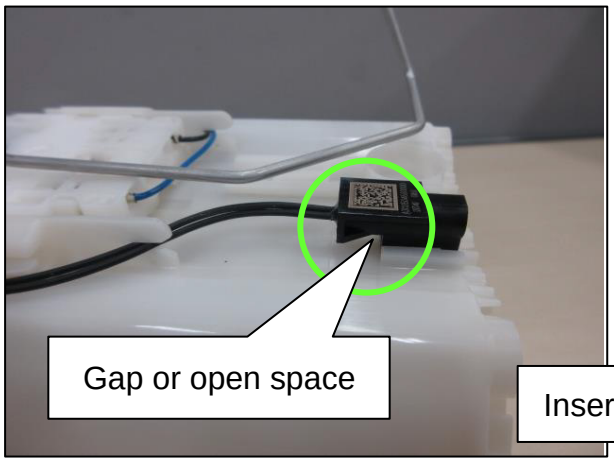

Figure 4

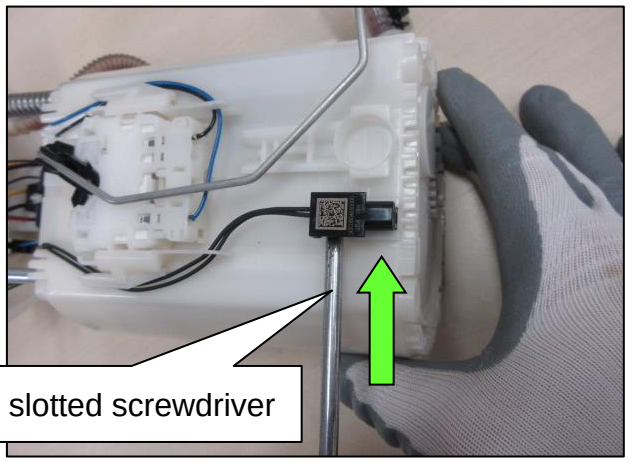

Figure 5

5. Use the slotted screwdriver to lift the fuel temperature sensor from the clip on the fuel pump body as shown in Figure 6, and then, at the same time, push the sensor from the bottom side of the fuel pump with your fingers as shown in Figure 7 to remove.

HINT:

- Figure 8 shows the fuel temperature sensor in the installed position.
- Figure 9 shows the fuel temperature sensor removed from the fuel pump body.

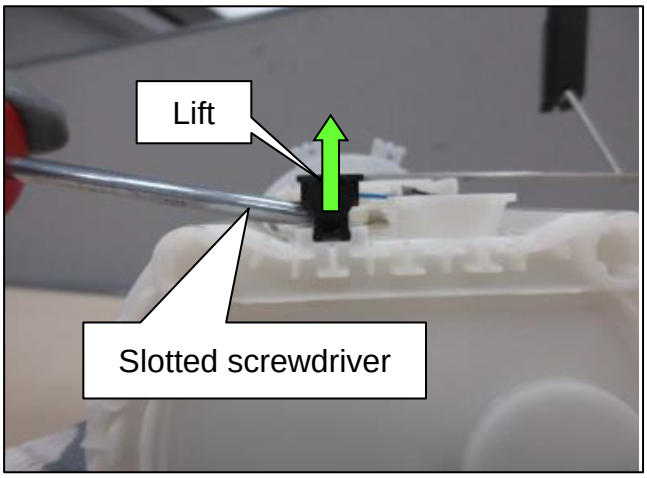

Figure 6

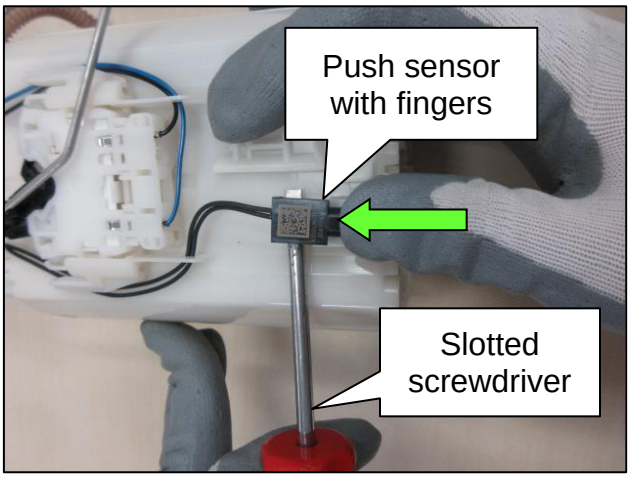

Figure 7

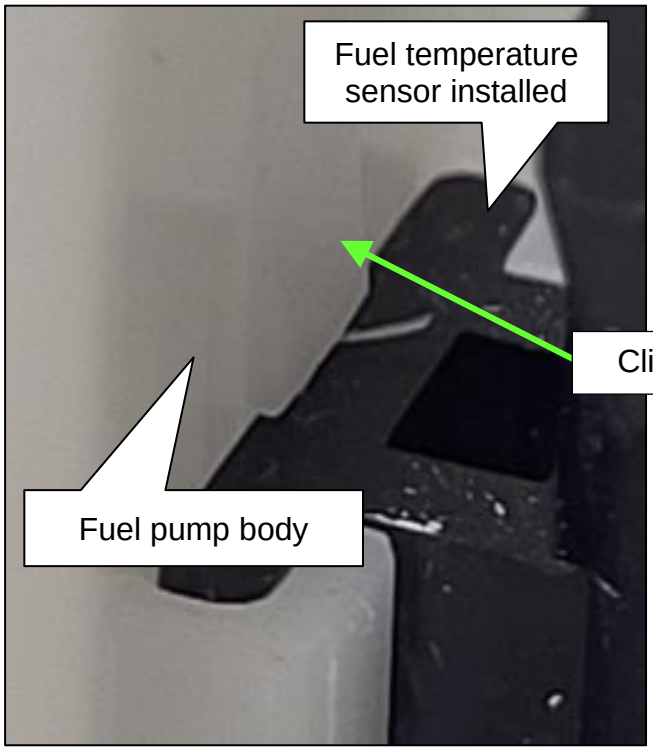

Figure 8

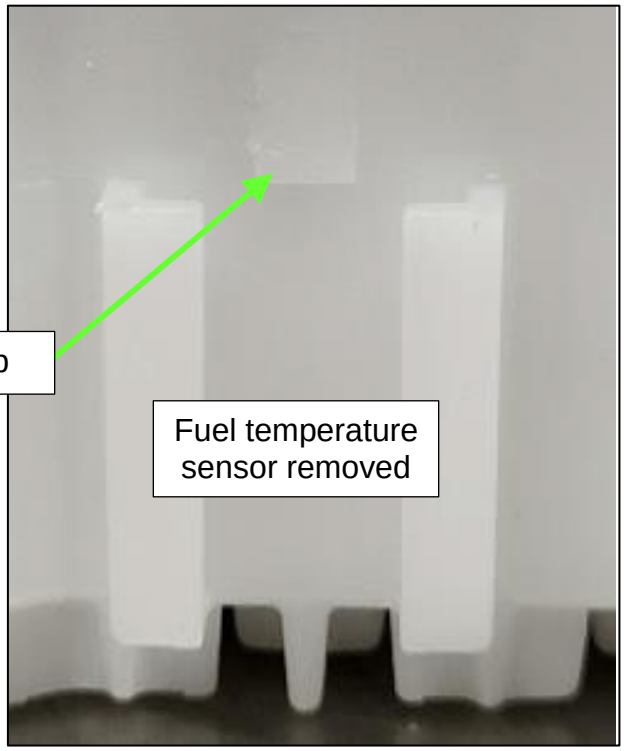

Figure 9

6. After removing the fuel temperature sensor, remove the sensor wires from the pump as shown in Figure 10 and disconnect the sensor harness connector from the fuel pump as shown in Figure 11.

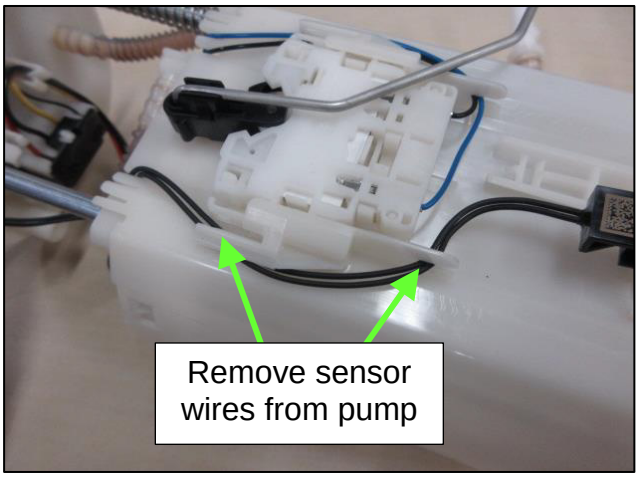

Figure 10

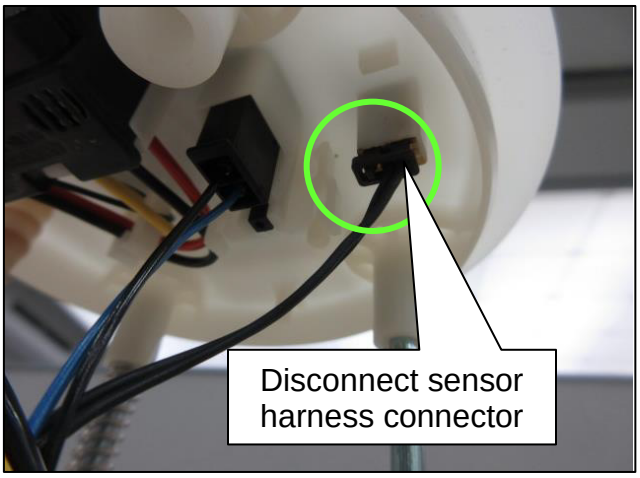

Figure 11

7. Insert the new fuel temperature sensor so that it passes over the clip on the fuel pump body to secure as shown in Figure 12 and Figure 13.

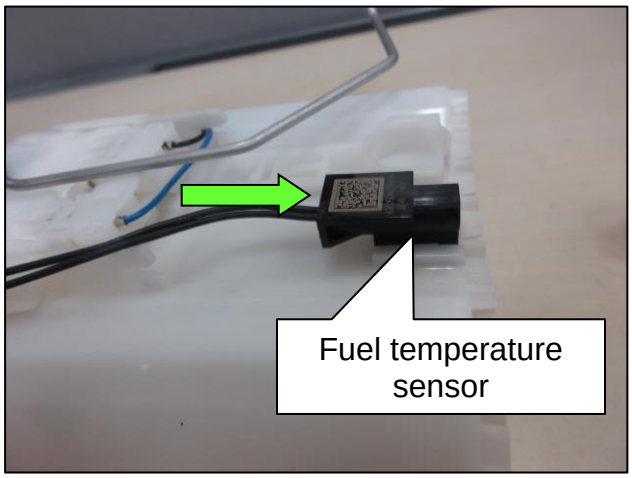

Figure 12

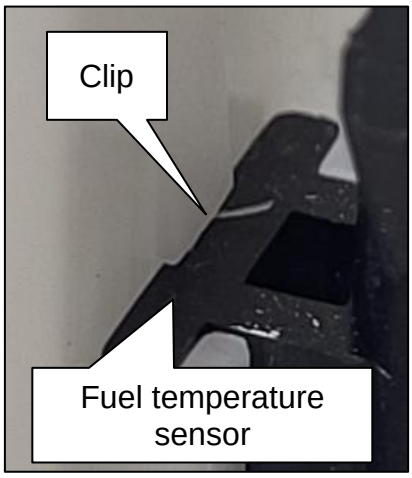

Figure 13

8. Route the wires for the new fuel temperature sensor as shown in Figure 14, Figure 15, and Figure 16.

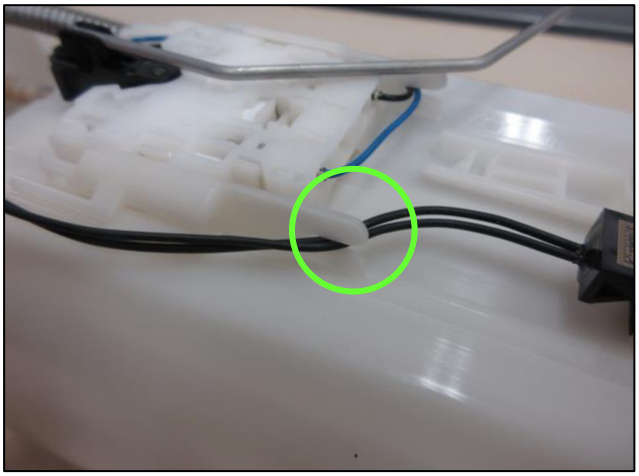

Figure 14

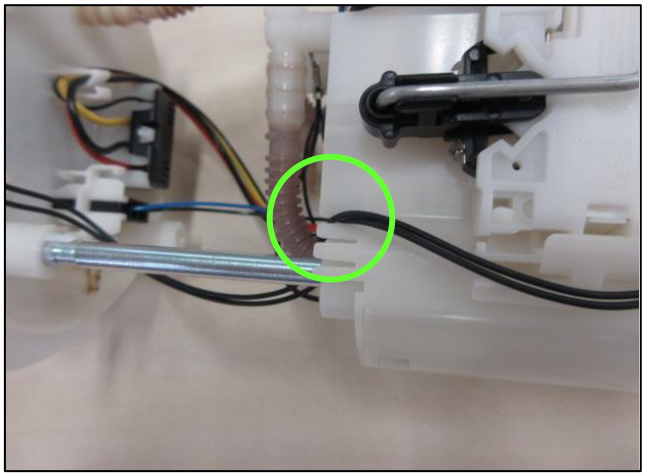

Figure 15

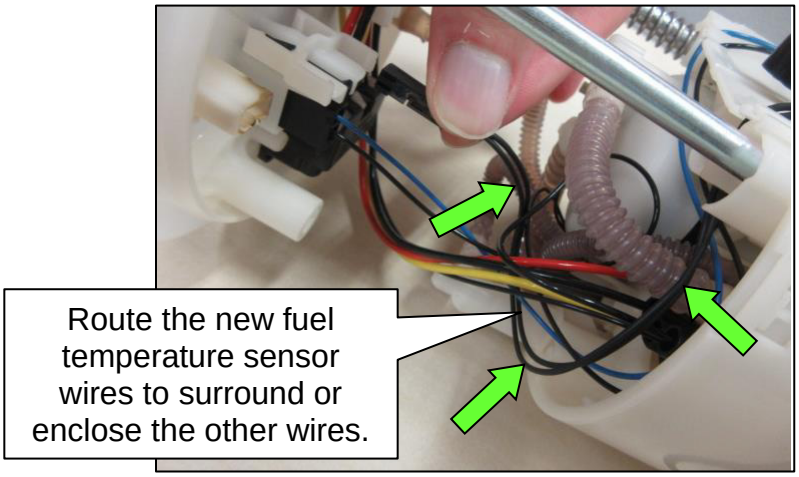

Figure 16

9. Connect the new fuel temperature sensor harness connector to the fuel pump as shown in Figure 17.

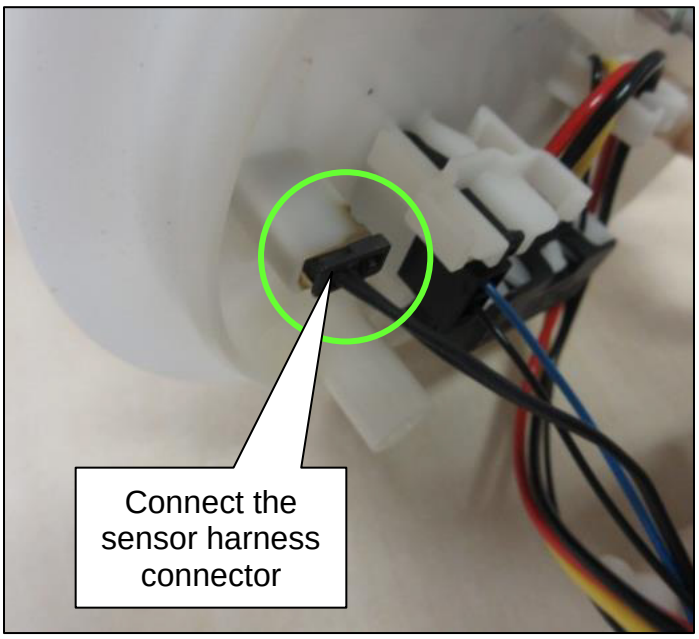

Figure 17

10. The fuel temperature sensor replacement is now complete as shown in Figure 18.

Figure 18

11. Re-install the fuel pump assembly and use a new O-ring seal between the fuel pump and fuel tank.

⚠WARNING
To avoid severe personal injury or death, follow all cautions, warnings, and notes in the ESM when working on or near a fuel system, such as a fuel pump.

- Kicks (P16) - Refer to the ESM: **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL PUMP AND FPCM > AWD > Removal and Installation**

- Murano (Z53) - Refer to the ESM: **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY > Removal and Installation**

- Rogue (T33) - Refer to the ESM: **ENGINE > FUEL SYSTEM > KR15DDT > REMOVAL AND INSTALLATION > FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY > Removal and Installation**

12. Erase all the DTCs using CONSULT.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
SEN - TEMP (Fuel Temperature Sensor)	22630-6RF0A	1
PACKING - FUEL GAUGE (O-Ring Seal)	(1)	1

(1) Reference the electronic parts catalog and use the VIN to determine the correct part number for the PACKING - FUEL GAUGE (17342-xxxxx).

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	MODEL	PFP	OP CODE	SYM	DIA	FRT
Replace Fuel Temperature Sensor	Rogue FWD	(1)	FX71AA	ZE	32	0.8
	Rogue AWD		FX72AA			0.9
	Kicks ALL		FX79AA			0.7
	Murano ALL		FX81AA			0.9

(1) Reference the **PARTS INFORMATION** table above and use the Fuel Temperature Sensor as the Primary Failed Part (**PFP**).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
April 15, 2026	NTB26-019	Original bulletin published