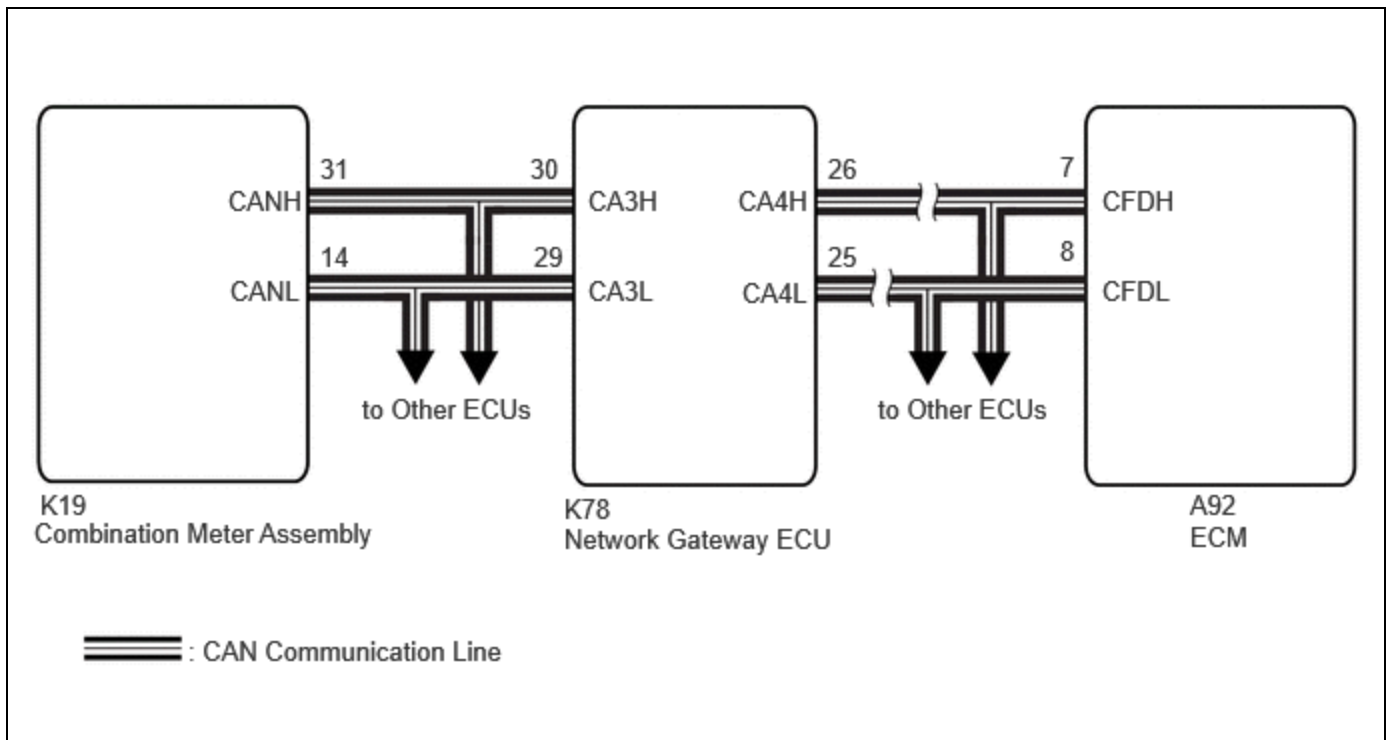| **Last Modified:** 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000028VYC
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: M20A-FXS (ENGINE CONTROL): SFI SYSTEM: MIL Circuit; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

MIL Circuit

DESCRIPTION

The Malfunction Indicator Lamp (MIL) is used to indicate vehicle malfunctions detected by the ECM.

The MIL operation can be checked visually. When the ignition switch is first turned to ON, the MIL should be illuminated and should then turn off after the engine is started. If the MIL remains illuminated or is not illuminated, conduct the following troubleshooting procedure using the GTS.

WIRING DIAGRAM

CAUTION / NOTICE / HINT

NOTICE:

When replacing the combination meter assembly, always replace it with a new one. If a combination meter assembly which was installed to another vehicle is used, the information stored in it will not match the information from the vehicle and a DTC may be stored.

PROCEDURE

1.	**CHECK THAT MIL IS ILLUMINATED**

(a) Perform troubleshooting in accordance with the table below.

MIL	CONDITION	PROCEED TO
Illuminates → Turns off	Ignition switch ON → engine is started	A
Other than above	-	B

A ▶ **CHECK FOR INTERMITTENT PROBLEMS**

B
▼

2.	**CHECK COMMUNICATION BETWEEN GTS AND ECM**

(a) Check the communication between the GTS and ECM.

HINT:

It can be checked using the "Engine" item of the Data List.

RESULT	PROCEED TO
Communication is possible	A
Communication is not possible	B

B ▶ **GO TO VC OUTPUT CIRCUIT**

Click here **INFO**

A
▼

3.	**CHECK WHETHER DTC OUTPUT RECURS**

(a) Perform the Health Check using the GTS.

(b) Check if any DTCs have been detected. Note down any DTCs.

RESULT	PROCEED TO
DTCs are not output	A

RESULT	PROCEED TO
Any DTCs is output	B

HINT:

Check for detected DTCs output from other ECUs which relate to the MIL.

B ▶ **REPAIR CIRCUIT INDICATED BY OUTPUT**

A

▼

4.	PERFORM ACTIVE TEST USING GTS

(a) Check the status of the MIL while performing the Active Test.

Body Electrical > Combination Meter > Active Test

TESTER DISPLAY
All Indicator

RESULT	PROCEED TO
Changes	A
Does not change	B

A ▶ **REPLACE ECM**

Click here **INFO**

B ▶ **REPLACE COMBINATION METER ASSEMBLY**