

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000029HMB
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> POWER ASSIST SYSTEMS: POWER STEERING ECU: END POSITION INITIAL SETTING; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## END POSITION INITIAL SETTING

### CAUTION / NOTICE / HINT

Perform end position initial setting after replacing or servicing parts related to steering operation.

#### **NOTICE:**

If matchmarks were not placed when removing parts related to steering operation, perform end position initial setting.

REMOVED OR REPLACED PART	WORK	END POSITION INITIAL SETTING
Power steering ECU with motor assembly	Removing	-
	Replacing	○
Electric power steering column sub-assembly	Removing	-
	Replacing	○
No. 2 steering intermediate shaft assembly	Removing	-
	Replacing	○
Steering gear assembly	Removing	-
	Replacing	○
○: Necessary		
-: Unnecessary		

#### **NOTICE:**

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

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

- When disconnecting and reconnecting the auxiliary battery.

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

#### **HINT:**

When disconnecting and reconnecting the auxiliary battery, there is an automatic learning function that completes learning when the respective system is used.

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

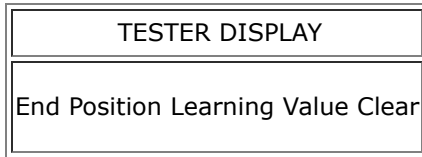
## PROCEDURE

### **1. END POSITION INITIAL SETTING**

- Align the front wheels straight ahead and center the steering wheel.
- Perform end position learning value clear. (\*1)

#### **When using GTS:**

1. Perform end position learning value clear according to the instructions on the GTS screen.

**Chassis > EMPS > Utility****When not using GTS:**

1. Turn the ignition switch off.
2. Disconnect the cable from the negative (-) auxiliary battery terminal and wait for at least 40 seconds.

for M20A-FXS: Click here [INFO](#)

for 2ZR-FXE: Click here [INFO](#)

3. Connect the cable to the negative (-) auxiliary battery terminal.

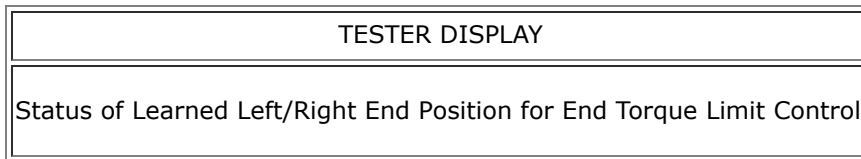
for M20A-FXS: Click here [INFO](#)

for 2ZR-FXE: Click here [INFO](#)

(c) Start the engine.

(d) Fully turn the steering wheel to the right and left on level ground.

(e) According to the display on the GTS, read the Data List.

**Chassis > EMPS > Data List**

Standard:

Left Direction (Decision Position) & Right Direction (Decision Position)

(f) If the results are not as specified, perform the procedure again from step (\*1).

