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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: PLUG-IN CHARGE CONTROL SYSTEM (for PHEV Model): DTC CHECK / CLEAR; 2023 - 2024 MY Prius Prime [03/2023 -]		

DTC CHECK / CLEAR

OUTLINE

After clearing current DTCs using the GTS (or by disconnecting the cable from the negative (-) auxiliary battery terminal), permanent DTCs can be cleared when the universal trip is performed and then the system is determined to be normal for the relevant DTCs. The driving pattern to obtain a normal judgment is described under the "Confirmation Driving Pattern" for the respective DTC.

To clear permanent DTCs, all of the following conditions must be are met:

- There is a history that universal trip driving was performed.
- The vehicle has been judged as normal for 1 trip.
- No malfunctions are detected.

CLEAR PERMANENT DTC

(a) Enter the following menus: Powertrain / Plug-in Control / Trouble Codes.

Powertrain > Plug-in Control > Trouble Codes

HINT:

If "YES" is displayed for the value of "PERMANENT" at the top right of the GTS screen, permanent DTCs are stored.

(b) Select the "Generic" tab.

(c) Check if permanent DTCs are stored.

HINT:

If permanent DTCs are not output, it is not necessary to continue this procedure.

(d) Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).

Powertrain > Plug-in Control > Clear DTCs

NOTICE:

Do not clear the DTCs or disconnect the cable from the auxiliary battery terminal after performing this step.

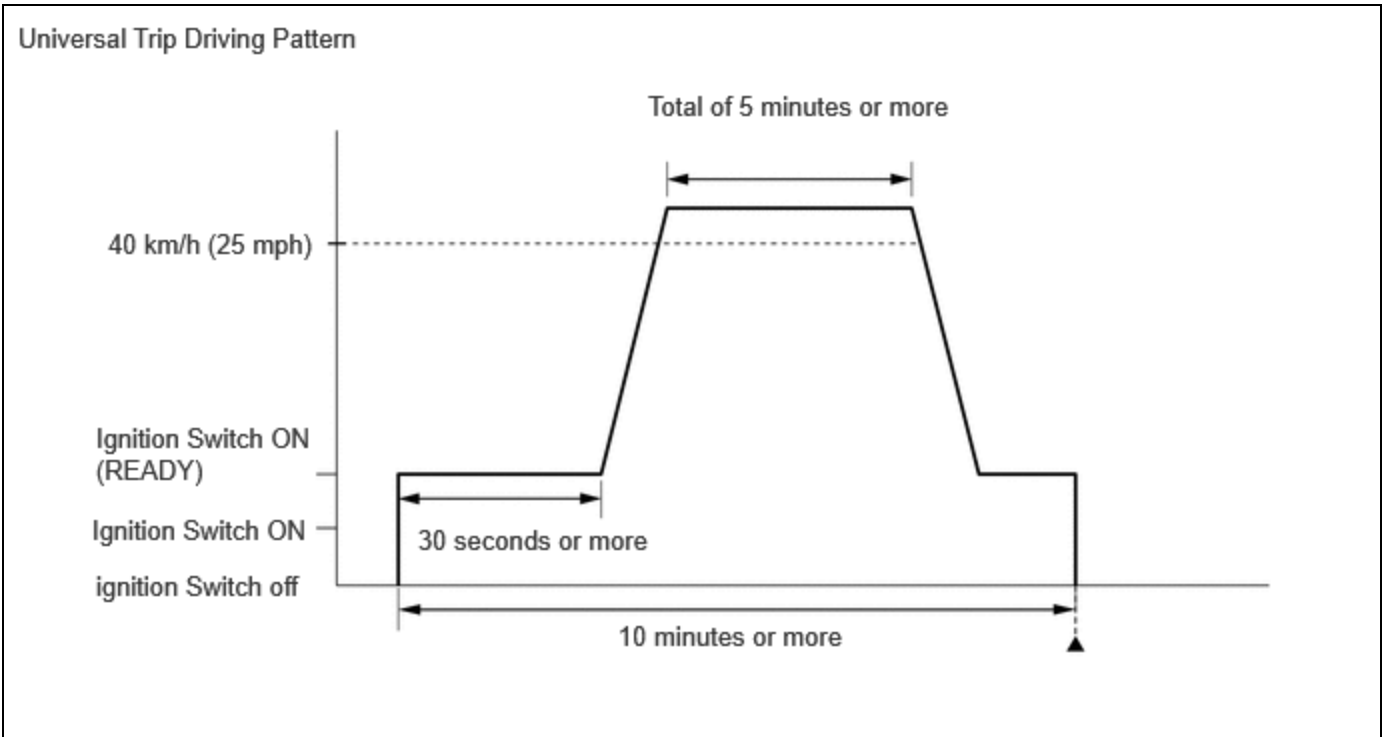
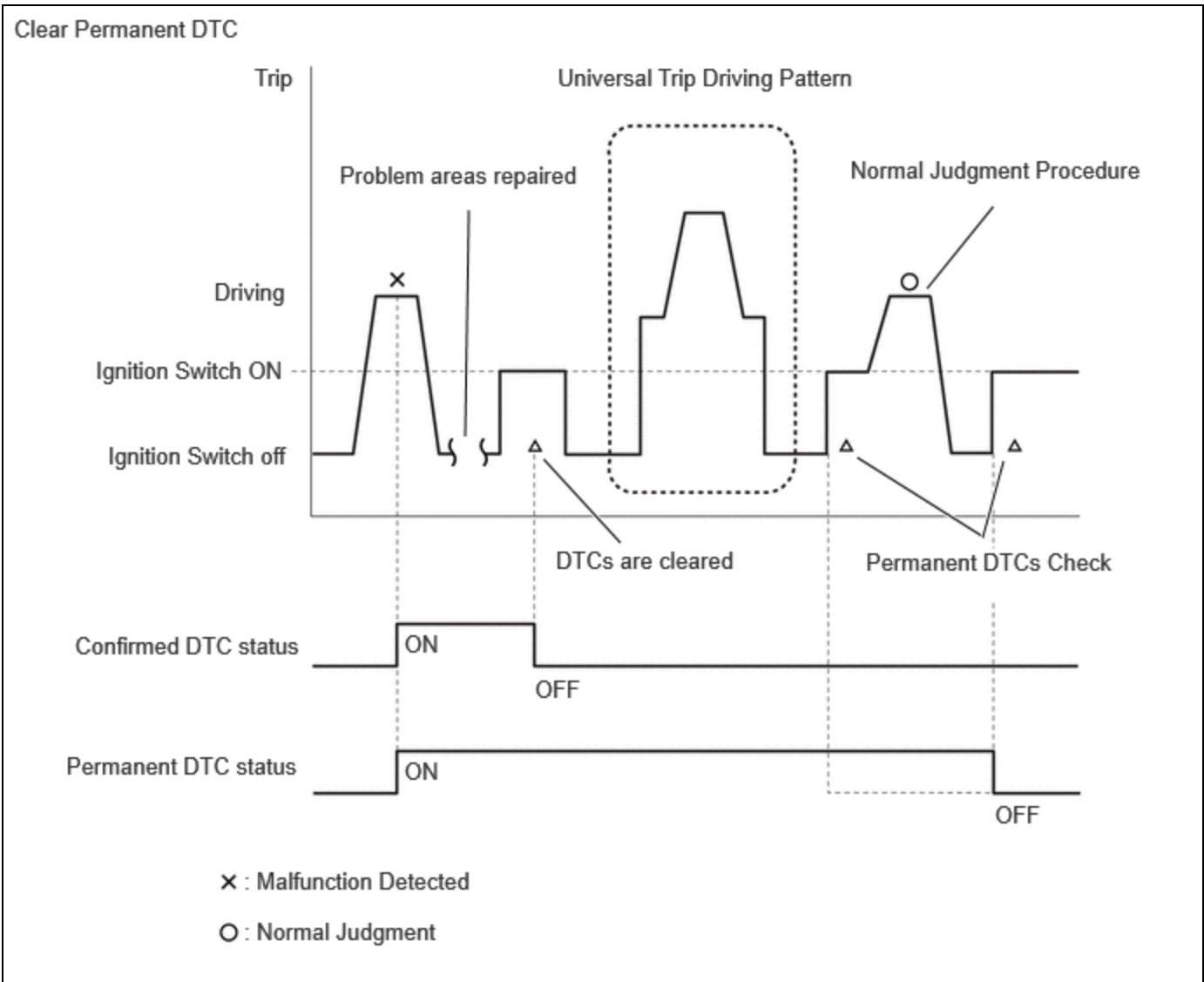
(e) Perform the universal trip.

CAUTION:

When performing the driving pattern, obey all speed limits and traffic laws.

HINT:

The universal trip driving pattern and normal judgment procedure can be performed consecutively in the same driving cycle.



(1) Turn the ignition switch to ON (READY) and wait for 30 seconds or more.

(2) Drive the vehicle at 40 km/h (25 mph) or more for a total of 5 minutes or more.

HINT:

It is possible to complete the drive pattern even if the vehicle decelerates to less than 40 km/h (25 mph) during the driving cycle provided that the vehicle is driven at 40 km/h (25 mph) or more for a total of 5 minutes.

(3) Allow 10 minutes or more to elapse from the time the ignition switch turned ON (READY).

(f) Turn the ignition switch off and wait for 2 minutes or more.

(g) Turn the ignition switch to ON.

(h) Enter the following menus: Powertrain / Plug-in Control / Trouble Codes.

Powertrain > Plug-in Control > Trouble Codes

(i) Check that the permanent DTCs have been cleared.

HINT:

If permanent DTCs are not output, it is not necessary to continue this procedure.

(j) Perform the normal judgment procedure in the respective confirmation driving pattern of each output DTC.

HINT:

Do not turn the ignition switch off by mistake during this step.

(k) With ignition switch ON (READY) and wait for 5 seconds or more.

(l) Turn the ignition switch off and wait for 2 minutes or more.

(m) Turn the ignition switch to ON.

(n) Enter the following menus: Powertrain / Plug-in Control / Trouble Codes.

Powertrain > Plug-in Control > Trouble Codes

(o) Check that the permanent DTCs have been cleared.

