

2015 Toyota Prius

Repair Standards / Electric/Hybrid Safety / Hybrid Quick Reference/Safety

Safety Precautions

CAUTION: Before inspecting the high-voltage system or disconnecting the low voltage connector of the inverter with converter assembly, take safety precautions such as wearing insulated gloves and removing the service plug grip to prevent electrical shocks. After removing the service plug grip, put it in your pocket to prevent other technicians from accidentally reconnecting it while you are working on the high-voltage system.

Precautions For Hybrid Control System Activation

When the warning light is illuminated, or the auxiliary battery has been disconnected and reconnected, attempting to turn the power switch on (READY) may not start the system (the system may not enter the READY-on state) on the first attempt. If so, turn the power switch off and reattempt to start the hybrid system.

Disconnecting & Reconnecting Negative Battery Cable

NOTE: When the auxiliary battery is replaced or the cable is disconnected from its negative (-) battery terminal, the ISC learning value will be initialized and symptoms as a loud rattle from the hybrid vehicle transaxle assembly may occur until ISC learning is performed. Therefore, perform ISC learning when the auxiliary battery is replaced or the cable is disconnected from the negative (-) terminal of the auxiliary battery. [See System Initialization](#).

Service Plug Grip

NOTE: When there is a problem with the wire harness or connector of a high-voltage circuit, repairs to the harness or connector should not be attempted. Replace damaged or malfunctioning high voltage cables or connectors.

Removing & Installation

1. Remove rear No.2 floor board (for separate type). [See Fig. 2](#).
2. Remove rear deck floor box.
3. Remove rear No.3 floor board.
4. Disconnect cable from negative battery terminal.
 - Wait at least 90 seconds after disconnecting negative (-) battery cable to prevent air bag and seat belt pretensioner activation.
 - For installation, some systems will need to be initialized after the cable is reconnected. [See System Initialization](#).

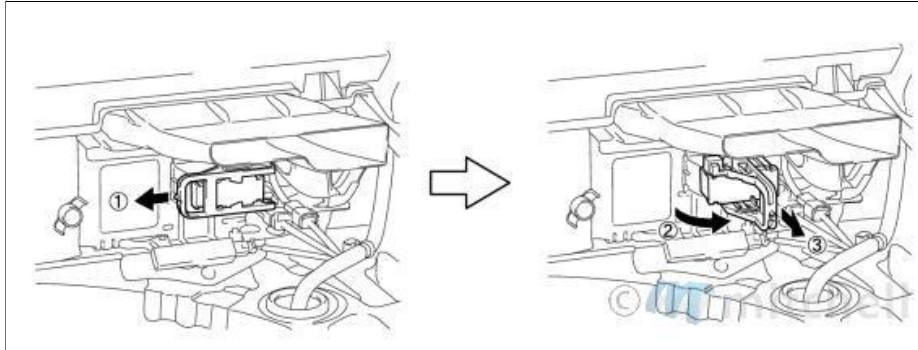
NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected.

5. Remove service plug grip. [See Figs. 1 and 3](#).
 - Wearing insulated gloves, remove the service plug grip to interrupt the high voltage circuit at the time of inspection or repair.
 - Keep the removed service plug grip secured to prevent other technicians from accidentally reconnecting it while servicing the

vehicle.

NOTE: All the high voltage wiring connectors are colored in orange.

Fig. 1: Identifying service plug grip



6. To install service plug, reverse removal procedure.

Component Locations

Refer to the following illustrations when identifying hybrid system components. [See Figs. 2 and 3.](#)

Fig. 2: Locating hybrid battery system service plug grip (1 of 2)

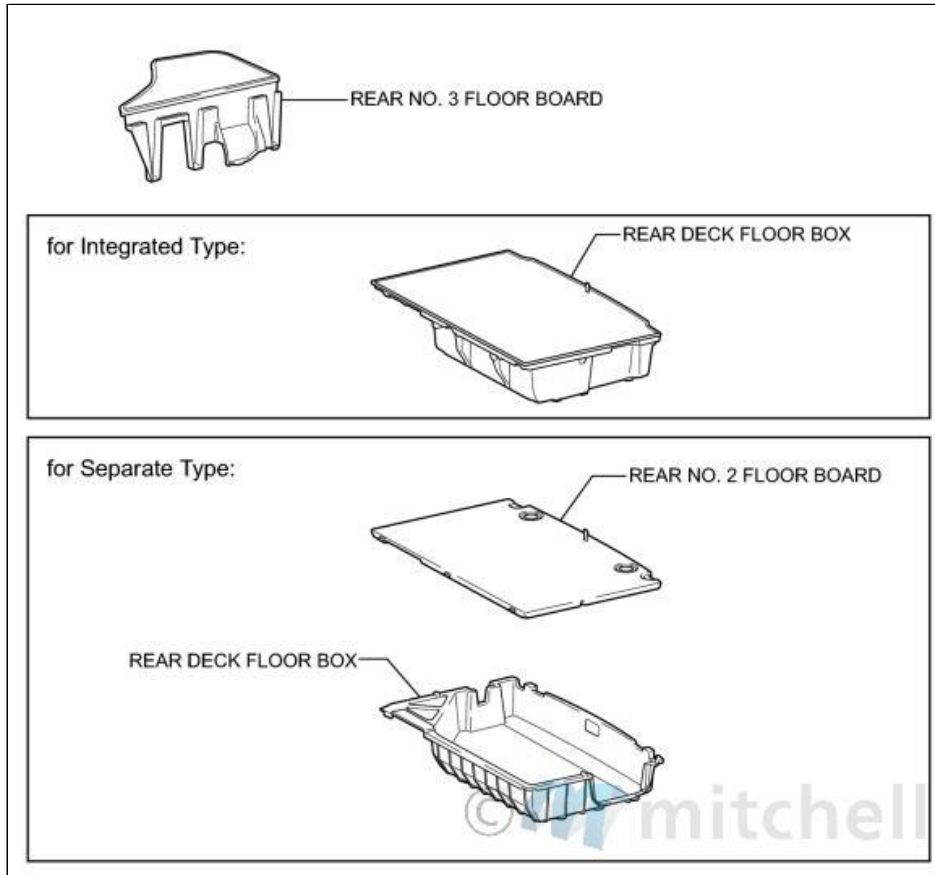
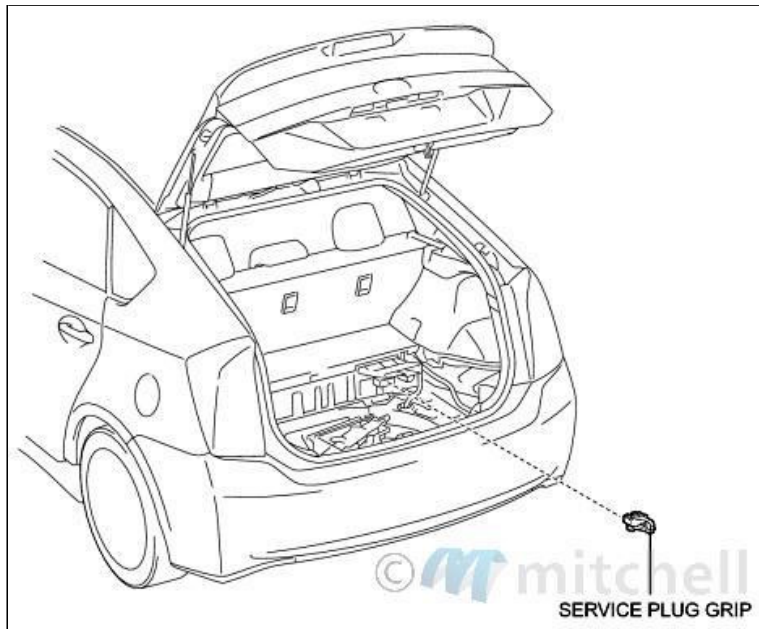


Fig. 3: Locating hybrid battery system service plug grip (2 of 2)



System Initialization

Initialize Advanced Parking Guidance System

NOTE: When "System initializing" message is displayed on the navigation receiver assembly, correct the steering angle neutral point using the following method.

1. Fully turn the steering wheel to the right and left on the flat ground.
2. Memorizing the steering angle neutral point must be carried out with the hybrid system started.
3. Apply the parking brake, depress the brake pedal, push the P position switch, and ensure that the vehicle is not moving.

NOTE: "?" button is displayed at the same time as "System initializing" message. If the "?" button is selected, this method is displayed.