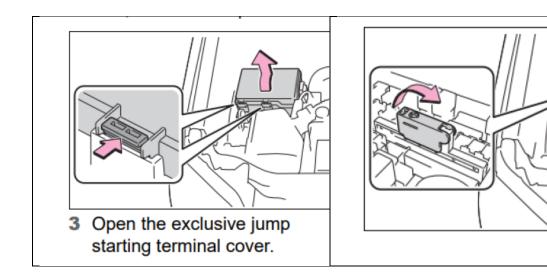


## **Supplier Alert - Toyota Tundra Hybrid Boosting**

NOTE: The following is applicable for the boost procedures for the Toyota Tundra Hybrid.

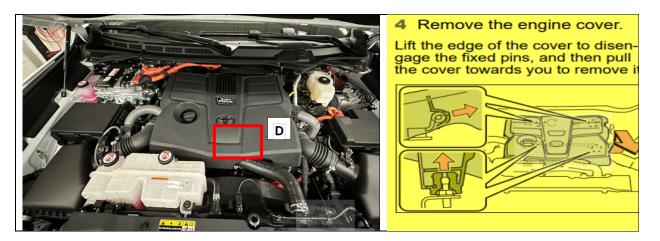
POSITIVE TERMINAL is located on the PASSENGER SIDE – see A in image below.

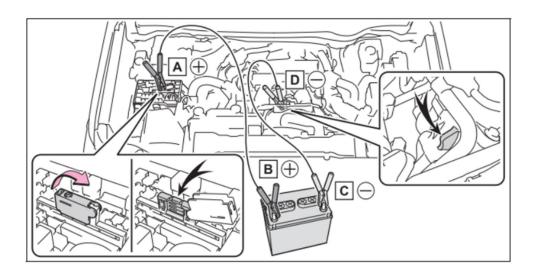






### Remove engine cover to access D connection – see image D below.





- 5 Connect a positive jumper cable clamp to A on your vehicle and connect the clamp on the other end of the positive cable to B on the second vehicle. Then, connect a negative cable clamp to C on the second vehicle and connect the clamp at the other end of the negative cable to D.
- Ask your Driver to confirm with the Customer that the Customer HAS NOT attempted to boost the vehicle. If the Customer has attempted a boost, tow operator notes answers/takes pictures, as necessary. Take pictures around engine ECU and brackets for any evidence of existing clamp marks or electrical arching.



# Roadside Tip Sheet / Guide de référence

- 2. Refer to the vehicle's owner's manual for connection points for each Toyota/Lexus vehicle
  - a) If your company <u>has recommended equipment</u> required to boost as per owner's manual, boost using the recommended connection points.



<u>DO NOT CLAMP ONTO ENGINE ECU/BRACKETS OR ONTO OTHER</u> ELECTRICAL COMPONENTS

b) If your company <u>does not have recommended equipment</u> to boost as per recommended ground point, boost at alternative ground point (Solid, stationary, unpainted metallic point other than the ECU brackets or electrical components, and is as far away as possible from the exclusive jump starting positive terminal and any moving parts).



<u>DO NOT CLAMP ONTO ENGINE ECU/BRACKETS OR ONTO OTHER</u> ELECTRICAL COMPONENTS

- 3. Ask your drivers to take before and after photos of your connection points used when attempting to boost the vehicle. It is recommended in order to protect the driver and your company against potential damage claims.
- 4. If after boost attempt vehicle will still not start/READY ON, or warning lights illuminate, tow vehicle to dealership.



# Roadside Tip Sheet / Guide de référence

## **Additional Notes:**

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#### 7-2. Steps to take in an emergency

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- A Exclusive jump starting terminal (your vehicle)
- B Positive (+) battery terminal (second vehicle)
- C Negative (-) battery terminal (second vehicle)
- D Solid, stationary, unpainted metallic point away from the battery and any moving parts as shown in the illustration
- 6 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.
- 7 Open and close any of the doors of your vehicle with the power switch OFF.
- 8 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON.
- 9 Once the vehicle's hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.
- 10When the engine cover installing, reverse the step removed.
- 11 Close the exclusive jump starting terminal cover, and reinstall the fuse box cover to its original position.

Once the engine starts, have the vehicle inspected at your Toyota dealer as soon as possible.

## ■Starting the hybrid system when the battery is discharged

The hybrid system cannot be started by push-starting.

- ■To prevent 12-volt battery discharge
- Turn off the headlights and the audio system while the hybrid system is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

#### When the 12-volt battery is removed or discharged

- Information stored in the ECU is cleared. When the 12-volt battery is depleted, have the vehicle inspected at your Toyota dealer.
- Some systems may require initialization. (→P.571)

### When removing the 12-volt battery terminals

When the 12-volt battery terminals are removed, the information stored in the ECU is cleared. Before removing the 12-volt battery terminals, contact your Toyota dealer.

### **■Charging the 12-volt battery**

The electricity stored in the 12-volt battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the 12-volt battery may discharge, and the hybrid system may be unable to start. (The 12-volt battery)

### Restarting the hybrid system

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

 Confirm that the electronic key is being carried.

When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P.83)



2 Open the hood (→P.456) and fuse box cover.

Push claw to completely release