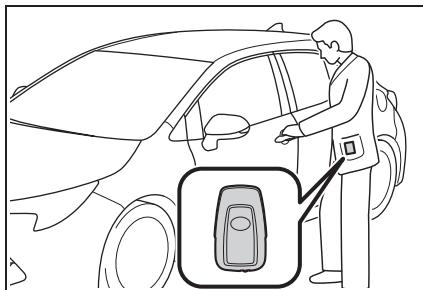


**Restarting the hybrid system**

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.

- 1 Vehicles with an alarm (→P.102): Confirm that the electronic key is being carried.

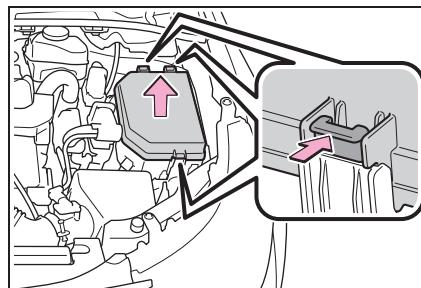
When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P.104)



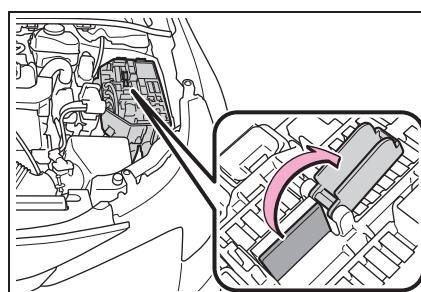
- 2 2ZR-FXE engine: Open the hood. (→P.520)

- 4 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**.

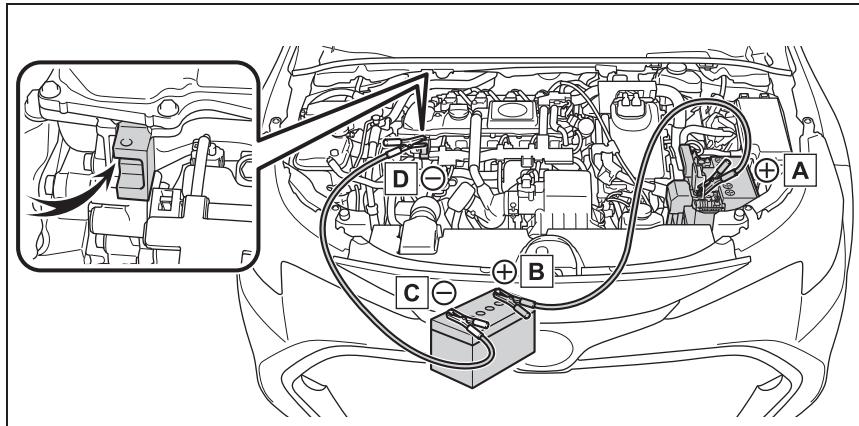
M20A-FXS engine: Open the hood (→P.520) and fuse box cover.



- 3 M20A-FXS engine: Open the exclusive jump starting terminal cover.

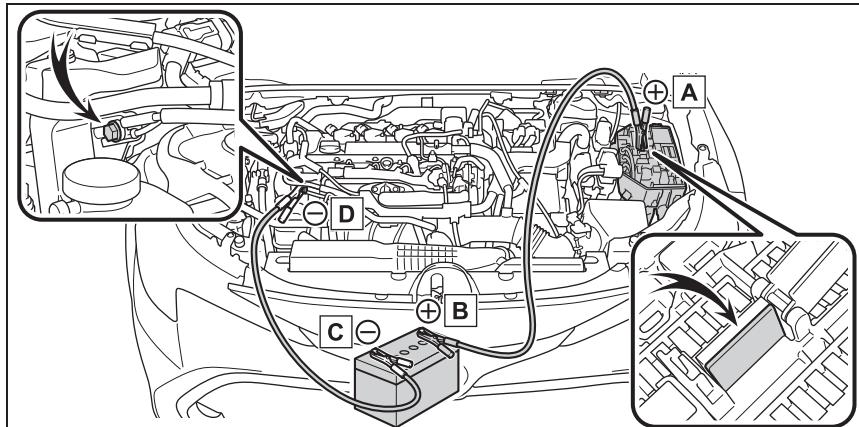


## ► 2ZR-FXE engine



- A Positive (+) battery 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

## ► M20A-FXS engine



- 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 exclusive jump

## 618 8-2. Steps to take in an emergency

starting terminal and any moving parts as shown in the illustration

- 5 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.
- 6 Open and close any of the doors of your vehicle with the power switch OFF.
- 7 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON.
- 8 Make sure the "READY" indicator comes on. If the indicator does not come on, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- 9 Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.
- 10 M20A-FXS engine: Close the exclusive jump starting terminal cover and install the fuse box cover to its original position.

Once the hybrid system starts, have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

### ■ Starting the hybrid system when the 12-volt 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- Some systems may require initialization. (→P.650)

### ■ 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

### ■ 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 recharges automatically while the hybrid system is operating.)

### ■ When recharging or replacing the 12-volt battery

- Vehicles with entry function: In some

cases, it may not be possible to unlock the doors using the smart entry & start system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.

- The hybrid system may not start on the first attempt after the 12-volt battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The power switch mode is memorized by the vehicle. When the 12-volt battery is reconnected, the system will return to the mode it was in before the 12-volt battery was discharged. Before disconnecting the 12-volt battery, turn the power switch off. If you are unsure what mode the power switch was in before the 12-volt battery discharged, be especially careful when reconnecting the 12-volt battery.

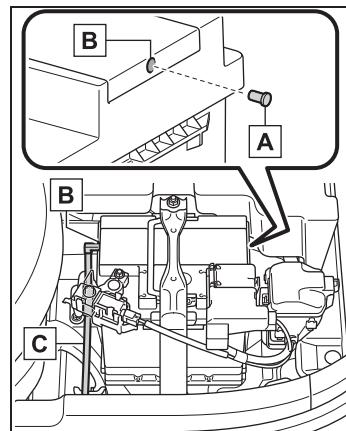
#### ■ When replacing the 12-volt battery (2ZR-FXE engine)

- Use a 12-volt battery that conforms to European regulations.
- Use a 12-volt battery with the same case size as the previous 12-volt battery and an equivalent 20 hour rate capacity (20HR) or greater.
- If the sizes differ, the 12-volt battery cannot be properly secured.
- If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.
- For details, consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

#### ■ When replacing the 12-volt battery (M20A-FXS engine)

- Use a Central Degassing type 12-volt battery (European Regulations).
- Use a 12-volt battery with the same case size as the previous 12-volt battery and an equivalent 20 hour rate

- capacity (20HR) or greater.
- If the sizes differ, the 12-volt battery cannot be properly secured.
  - If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.
  - Use a 12-volt battery with a handle. If a 12-volt battery without a handle is used, removal is more difficult.
  - After replacing, firmly attach the following items to the exhaust hole of the 12-volt battery.
    - Use the exhaust hose that was attached to the 12-volt battery before replacing and confirm that it is firmly connected to the hole section of the vehicle.
    - Use the exhaust hole plug included with the 12-volt battery replaced or the one installed on the 12-volt battery prior to the replacement. (Depending on the 12-volt battery to be replaced, the exhaust hole may be plugged.)
- Hatchback



**A** Exhaust hole plug

**B** Exhaust hole

**C** Exhaust hose