

# Your Ultimate Source for OEM Repair Manuals

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## 2022 Toyota 4Runner Service Manual

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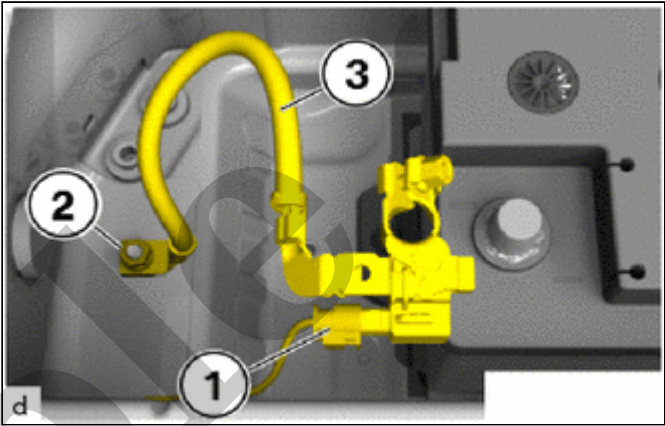
Last Modified: 07-26-2024	6.11:8.1.0	Doc ID: RM1000000001R5B4
Model Year Start: 2021	Model: Supra	Prod Date Range: [07/2020 - ]
Title: B46 (BATTERY / CHARGING): NEGATIVE BATTERY CABLE: INSTALLATION; 2021 - 2025 MY Supra [07/2020 - ]		

## INSTALLATION

## PROCEDURE

### 1. INSTALL NO. 3 EARTH WIRE

(a) Position No. 3 earth wire (3) on the bolt.



(b) Tighten nut (2).

**Torque:**  
**20.5 N·m {209 kgf·cm, 15 ft·lbf}**

(c) Connect connector (1) and lock.

### 2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

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<b>Model Year Start:</b> 2021	<b>Model:</b> Supra	<b>Prod Date Range:</b> [07/2020 -       ]
<b>Title:</b> B46 (BATTERY / CHARGING): SAFETY BATTERY TERMINAL: REMOVAL; 2021 - 2025 MY Supra [07/2020 -       ]		

# REMOVAL

## PROCEDURE

### 1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

### 2. REMOVE SAFETY BATTERY TERMINAL

**CAUTION:**

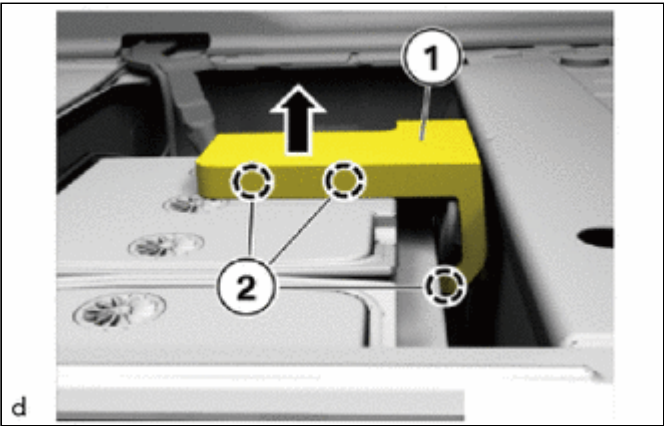
- Working on 12 V vehicle electrical system.  
  
Risk of short circuits! Risk of fire!
  - Disconnect the cable from the negative (-) battery terminal.
  - w/ No. 2 Battery: Disconnect the cable from the negative (-) battery terminal of the No. 2 battery.

**NOTICE:**

- Damage to battery terminal, the safety battery terminal or the battery state sensor.
- Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.
  - Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.
- Electrostatic discharge.
- Damage to or destruction of electrical components.
  - Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
  - Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
  - Anti static work clothing and antistatic shoes (with ESD symbol).
  - For additional information see:

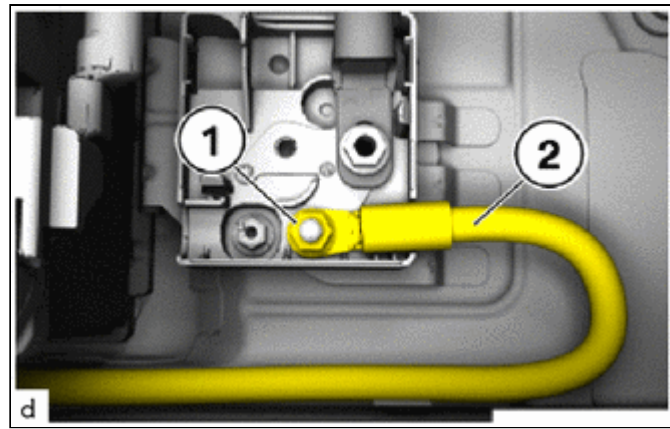
Click here [INFO](#)

(a) Loosen the latch mechanisms(2).

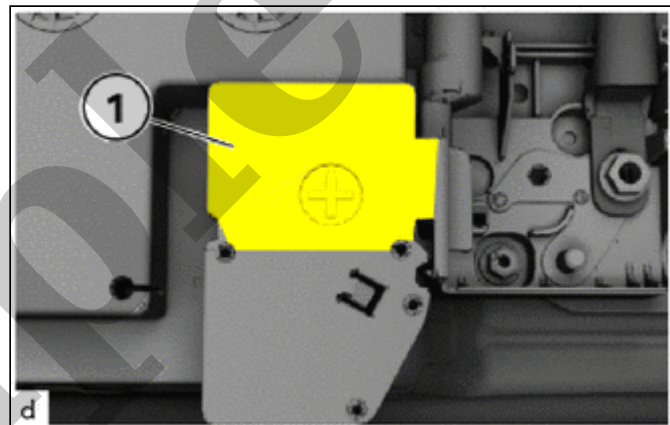


(b) Remove the protective cap(1) upwards.

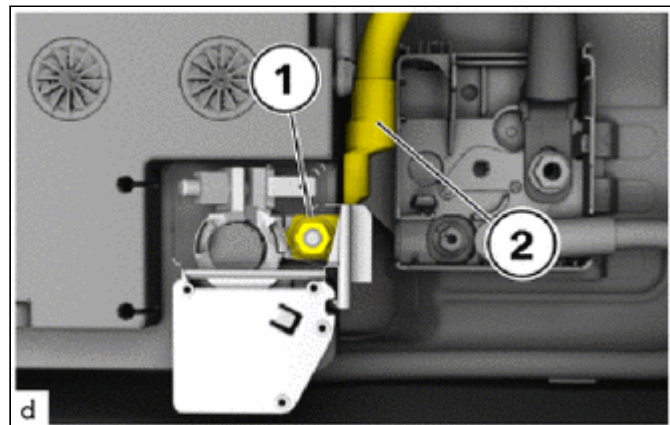
(c) Loosen the holder (1).



(k) Remove No. 4 floor wire (2).



(l) Open the cover (1) of the safety battery terminal.



(m) Release the nut (1) and put the No. 4 floor wire (2) aside.

(n) Loosen the holder (1).

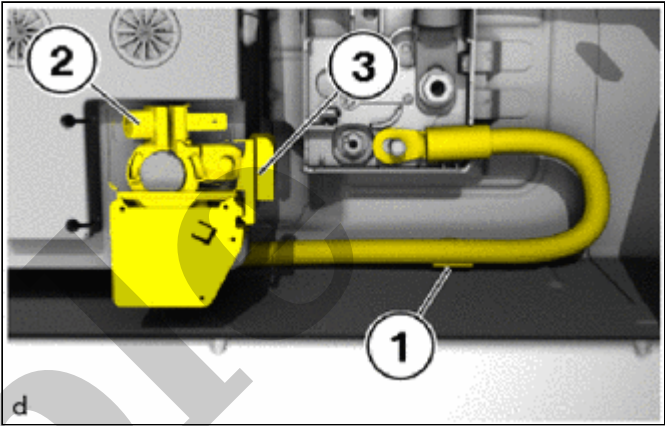
<b>Last Modified:</b> 07-26-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000001R5B7
<b>Model Year Start:</b> 2021	<b>Model:</b> Supra	<b>Prod Date Range:</b> [07/2020 - ]
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# INSTALLATION

## PROCEDURE

### 1. INSTALL SAFETY BATTERY TERMINAL

(a) Install the safety battery terminal (3) and position on the positive battery terminal.

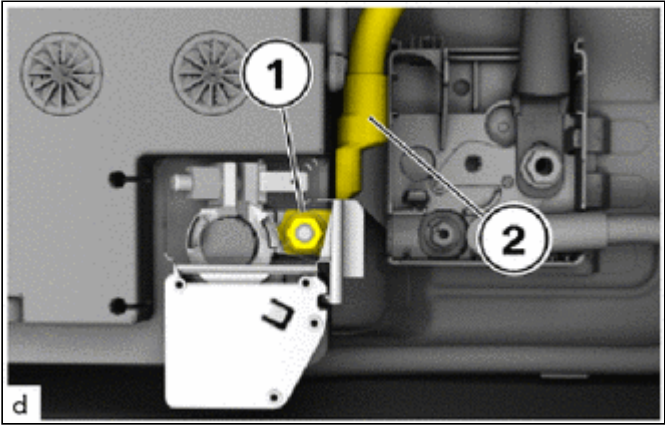


(b) Secure the holder (1).

(c) Tighten nut (2).

**Torque:**  
**5.0 N·m {51 kgf·cm, 44 in·lbf}**

(d) Position the No. 4 floor wire (2) on the safety battery terminal.



(e) Tighten nut (1).

**Torque:**  
**15 N·m {153 kgf·cm, 11 ft·lbf}**

(f) Close the cover of the safety battery terminal.

(g) Position the No. 4 floor wire (2) on the power distribution box.