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<b>Model Year Start:</b> 2024	<b>Model:</b> Land Cruiser	<b>Prod Date Range:</b> [02/2024 -     ]
<b>Title:</b> T24A-FTS (BATTERY / CHARGING): AUXILIARY BATTERY: WHEN AUXILIARY BATTERY IS DISCHARGED; 2024 MY Land Cruiser [02/2024 -     ]		

## **WHEN AUXILIARY BATTERY IS DISCHARGED**

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#### **NOTICE:**

Never use a quick charger.

#### **HINT:**

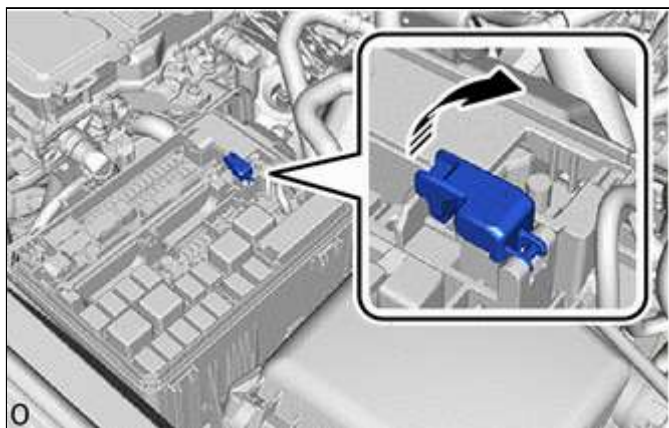
- The following problems indicate that the auxiliary battery is discharged:
  - No display appears on the instrument panel when the ignition switch is turned to ON.
  - The hybrid system does not start.
  - The headlights are dim.
  - The sound from the horn is weak.
- The booster terminal cannot be used to rescue a vehicle with a discharged auxiliary battery.

(a) Set the shift position to P (park) and engage the parking brake.

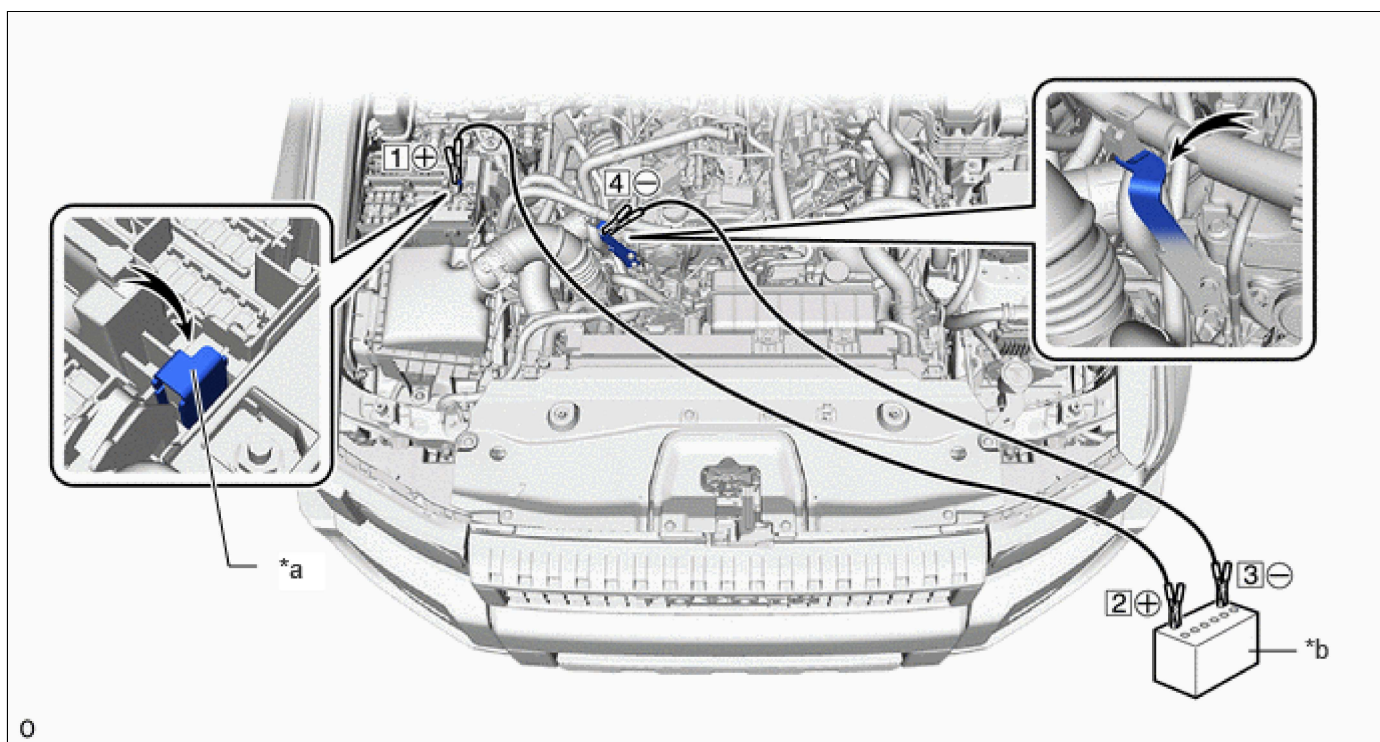
(b) Make sure to carry the electrical key transmitter sub-assembly and check that the ignition switch is off.

(c) Remove the No. 1 relay block cover UPR.

(d) Open the booster terminal cover.



(e) Using booster cables, connect the 12 V auxiliary battery of the rescue vehicle to the auxiliary battery of the stalled vehicle as shown in the illustration.



*a	Booster Terminal	*b	Auxiliary Battery of Rescue Vehicle
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CONNECTING SEQUENCE	CONNECTING LOCATION
1	Booster terminal of stalled vehicle
2	Positive (+) auxiliary battery terminal of rescue vehicle
3	Negative (-) auxiliary battery terminal of rescue vehicle
4	Position shown in the illustration on stalled vehicle

- (f) Start the engine of the rescue vehicle and run its engine a slightly elevated speed for approximately 5 minutes in order to charge the auxiliary battery of the stalled vehicle.
- (g) With the ignition switch off, open and close any door.
- (h) With the engine of the rescue vehicle being run at a slightly elevated speed, turn the ignition switch to ON (READY) from ON to start the hybrid system. [\*1]

**NOTICE:**  
Immediately disconnect the booster cables in the reverse order of connection after the hybrid system has started.

- HINT:**
- If the hybrid system does not start even after the auxiliary battery returns to normal, ensure the shift position is P (park) and repeat the procedure from [\*1].
  - When the auxiliary battery is fully depleted, the automatic learning function completes learning when each system is first used.

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