

◀ IMPORTANT UPDATE ▶

The attached Technical Instructions has been updated. Refer to the details below.

DATE	TOPIC
1/14/2025	Updated the Flow Chart
1/8/2025	Updated the Positive cable routing

The most recent update in the attached Dealer Letter will be highlighted with a red box.

Please review this notification with your staff to assure that all relevant personnel have been briefed regarding this subject.

Thank you for your cooperation.

TECHNICAL INSTRUCTIONS

FOR

SAFETY RECALL 23TA13

Potential Vehicle Fire related to 12-volt battery

CERTAIN 2013 - 2018 RAV4 VEHICLES

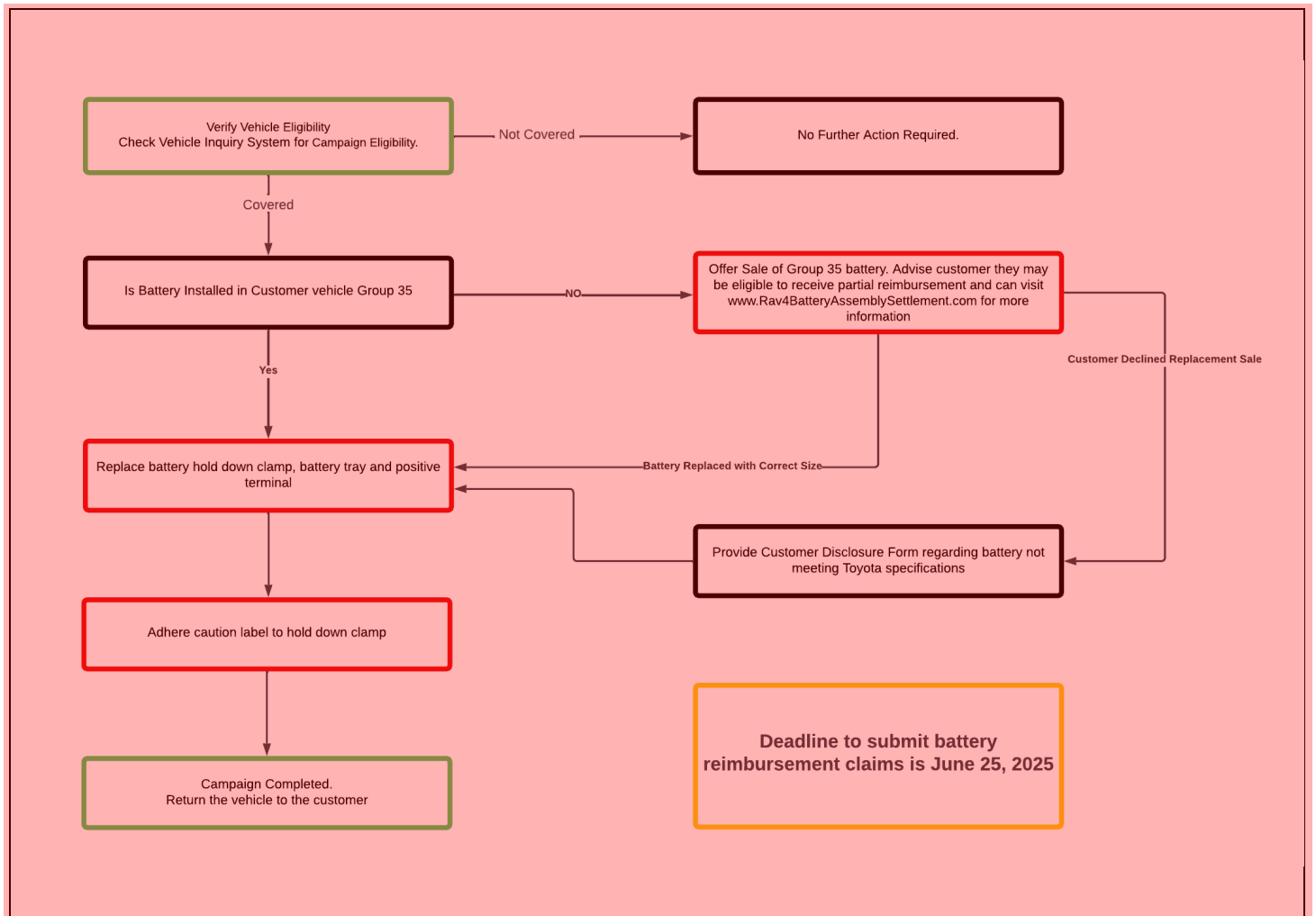
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to currently have completed all of the following courses:

-TIC206A Electrical Repair 1

It is the dealership’s responsibility to select technicians that have completed the above courses to perform this repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART

The flow chart is for reference only. **DO NOT** use it in place of the full technical instructions. Follow **ALL** steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



II. IDENTIFICATION OF AFFECTED VEHICLES

1. CHECK VEHICLE FOR CAMPAIGN ELIGIBILITY

- Compare the vehicles VIN to the VIN listed on the Repair Order to ensure they match.
- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Campaign, and that it has not already been completed.

HINT:

TMNA warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were previously completed, even by another dealer.

III. PREPARATION

A. PARTS

Part Number	Part Description	Quantity	
04004-02242	Battery Repair Set	1	
*The kit above includes the following parts.			
Part Number	Part Description	Quantity	Remarks
74404-42280	Battery Clamp Sub-assembly	1	-
74431-42140	Battery Tray	1	-
74451-42030	Battery Clamp Bolt (J-hook)	1	-
82821-35020	Connector Cover	1	-
82997-47010	Wire Harness Repair Tape (Tessa Tape)	*As needed	
00411-21001	Battery Label (10 labels per order)	Order as needed from the MDC	

*1 - roll should supply ~ 45 repairs, order additional tape as needed.

B. TOOLS & EQUIPMENT

- Standard Hand Tools
- Torque Wrench

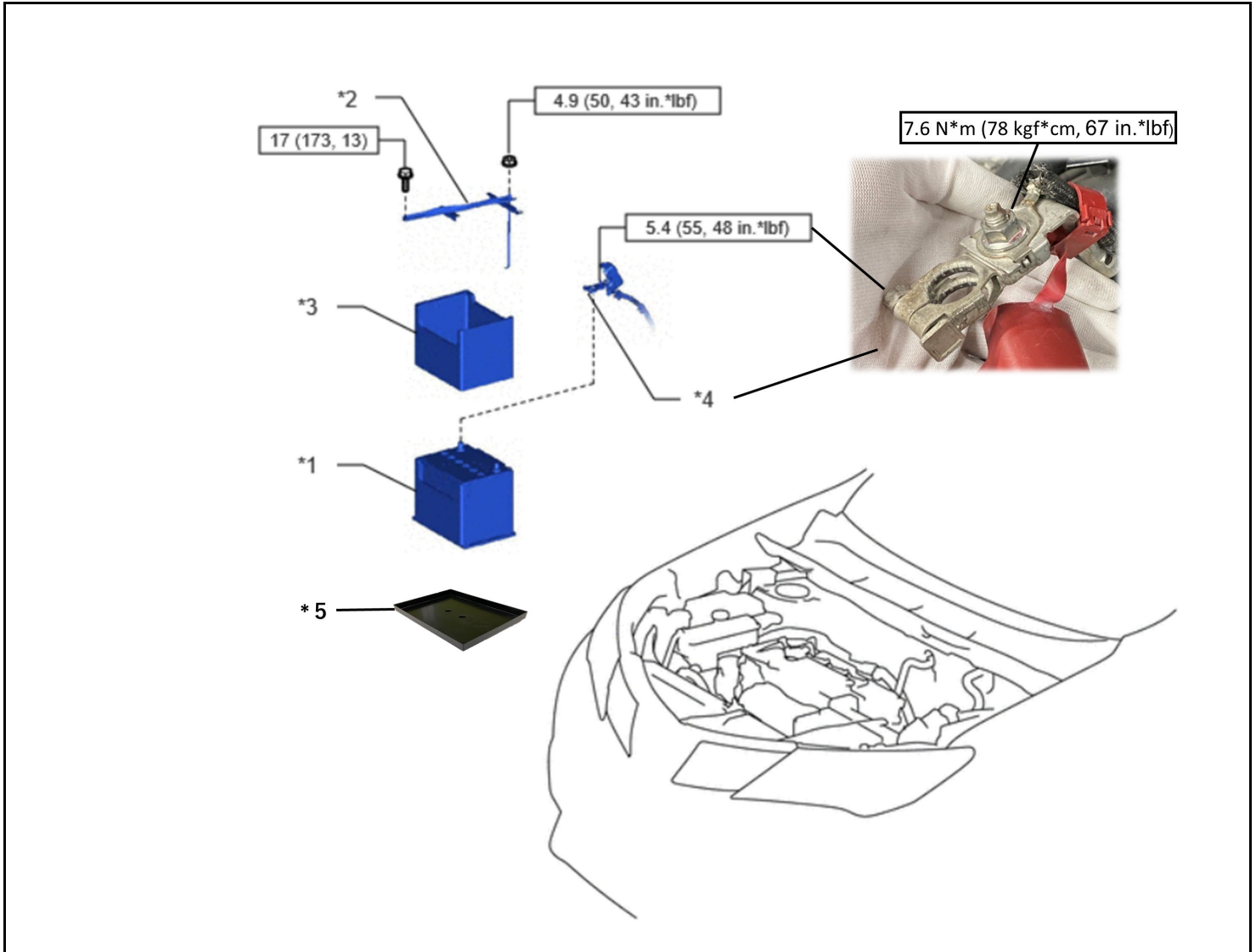
C. MATERIALS

- Protective Gloves

IV. WORK PROCEDURE TABLE OF CONTENTS

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V. COMPONENTS



*1	BATTERY	*2	BATTERY CLAMP SUB-ASSEMBLY
*3	BATTERY INSULATOR	*4	POSITIVE BATTERY TERMINAL
*5	BATTERY TRAY		Specified torque: N*m (kgf*cm, in.*lbf)

VI. REMOVE BATTERY

[Refer to TIS for instructions on General / MAINTENANCE/2AR-FE BATTERY/REMOVAL](#)

VII. REPAIR AND REPLACE BATTERY RELATED PARTS



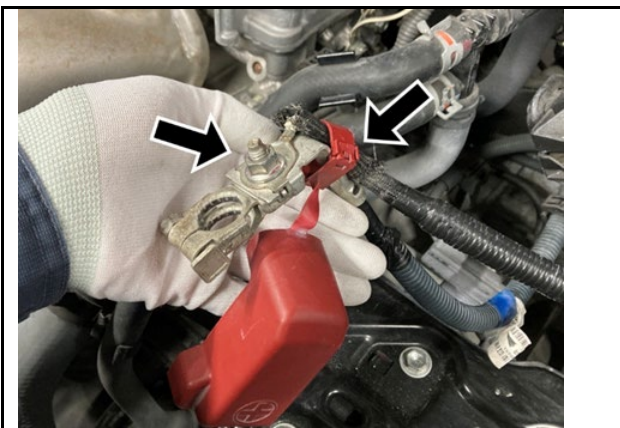
1. REMOVE BATTERY TRAY.



2. CUT FRONT WIRE HARNESS CLAMP.

NOTICE:

Be careful not to damage the harness.



3. REMOVE HEAD OF POSITIVE (+) BATTERY TERMINAL AND BATTERY CONNECTOR COVER.

- a) Remove the nut and the head of the positive (+) battery terminal.
- b) Remove the battery connector cover.

4. WRAP REPAIR TAPE (Tessa Tape).

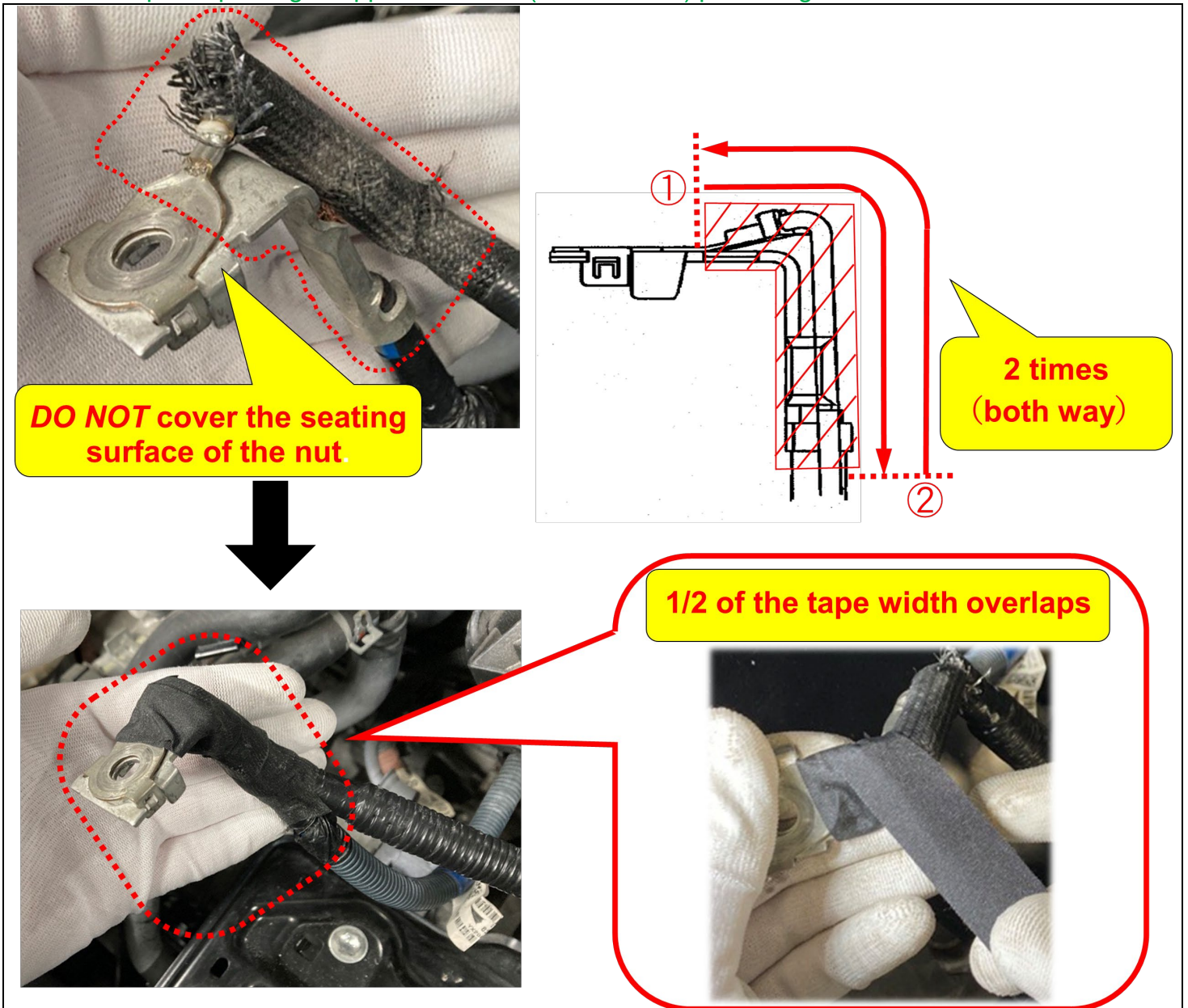
a) Wrap the terminal area (metal area) spirally as shown in the illustration with repair tape.

NOTICE:

- Ensure that the terminal area (metal area) is completely covered by repair tape.
- Wrap the tape spirally with 1/2 of the tape width overlaps as shown in the illustration and wrap the tape another time in the opposite direction.
- **DO NOT** cover the seating surface of the nut.

HINT:

Repair tape length: approx. 400mm (15.75 inches) per a single rework.





5. INSTALL HEAD OF POSITIVE (+) TERMINAL AND **NEW** CONNECTOR COVER.

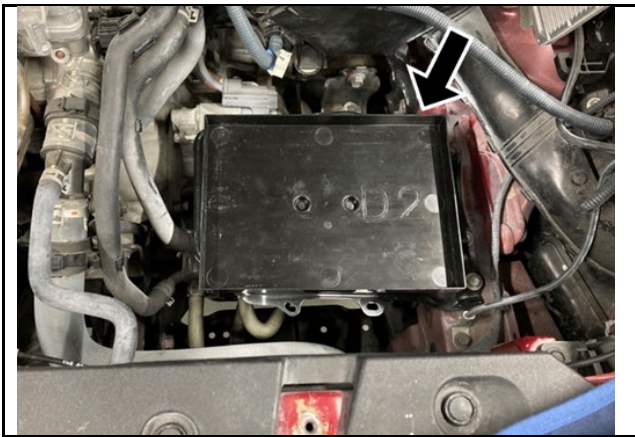
- a) Install a **New** battery connector cover.
- b) Install the head of the positive (+) battery terminal and tighten the nut.

Torque:

7.6 N*m (78 kgf*cm, 67 in.*lbf)

NOTE:

Route the positive battery cable on the bracket between the j-hook and air cleaner



6. INSTALL **NEW** BATTERY TRAY.

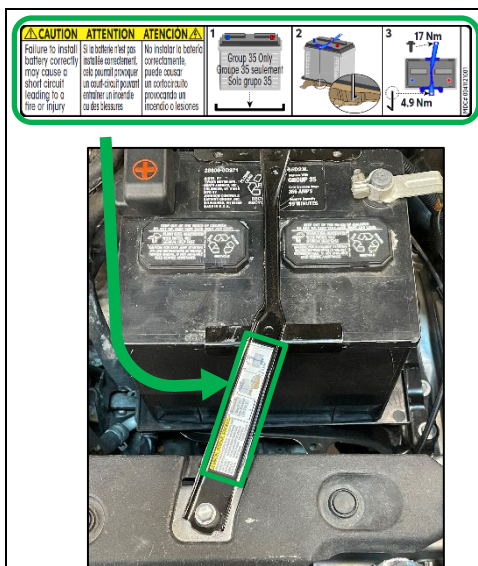
VIII. INSTALL BATTERY and ADHERE CAUTION LABEL

[Refer to TIS for instructions on General / MAINTENANCE/2AR-FE BATTERY/ INSTALLATION](#)

NOTICE:

- when installing the battery, attaching the front wire harness only is necessary.
- Install a **NEW** battery clamp and a **NEW** J-hook.





ADHERE CAUTION LABEL TO BATTERY HOLD-DOWN CLAMP

- a. Check to see if label is installed already.
- b. If not installed, adhere new caution label to the battery hold-down clamp.

NOTE:

- Ensure battery hold-down clamp is clean and free of moisture or dirt so the label can properly adhere.
- Labels may be ordered from the MDC.

◀ VERIFY REPAIR QUALITY ▶

- Confirm repair parts are installed exactly as instructed.
- If you have any questions regarding this update, please contact your area representative.

IX. APPENDIX

A. CAMPAIGN DESIGNATION DECODER

