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May 20, 2024

TO: All U.S. Ford and Lincoln Dealers

**SUBJECT: NEW VEHICLE DEMONSTRATION / DELIVERY HOLD –
 Safety Recall 24S24**

Certain 2021-2024 Model Year Bronco Sport and 2022-2023 Model Year Maverick Vehicles

Body Control Module and Powertrain Control Module Calibration Updates

**REF: NEW VEHICLE DEMONSTRATION / DELIVERY HOLD - Advance Notice –
 Safety Recall 24S24**

Certain 2021-2024 Model Year Bronco Sport and 2022-2023 Model Year Maverick Vehicles

Body Control Module and Powertrain Control Module Calibration Updates

AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
Bronco Sport	2021	Hermosillo	February 5, 2020 through November 17, 2021
	2022		June 9, 2021 through December 5, 2022
	2023		June 14, 2022 through October 20, 2023
	2024		June 23, 2023 through March 13, 2024
Maverick	2022		February 3, 2021 through October 31, 2022
	2023		June 20, 2022 through October 28, 2022

US population of affected vehicles: 448,078. Affected vehicles are identified in OASIS and FSA VIN Lists.

Note: Some vehicles may be in the process of being repaired at the plant. Monitor OASIS before opening an RO and/or beginning a repair. Parts purchased for an FSA can be returned for credit if required. See the EXCESS STOCK RETURN details in Labor Allowances and Parts Ordering Information for more information.

NOTE: Safety recall 24S24 includes the same BCM reprogramming as contained in safety recall 24S27. Therefore, if both recalls are open, 24S27 will be closed automatically when repairs for safety recall 24S24 are performed.

REASON FOR THIS SAFETY RECALL

In the affected vehicles, the Body Control Module (BCM) and Powertrain Control Module (PCM) calibrations may be unable to detect a sudden battery degradation while driving. If the battery suddenly degrades during a drive it can lead to a vehicle that is unable to restart after an auto stop/start event or experience a stall while coming to a stop at low speed. Either of these conditions may be accompanied by a loss of 12-volt accessories, including hazard lights. A loss of motive power can increase the risk of a crash.

SERVICE ACTION

Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to reprogram the BCM and PCM to the latest level calibration. This service must be performed on all affected vehicles at no charge to the vehicle owner. For new vehicle storage guidelines, refer to EFC13033, Storage Guidelines for New Vehicles.

To assist vehicle owners to have this repair completed when parts are available, dealers should:

- Arrange for a mobile repair at the owner's location or:
- Arrange to pick up the owner's vehicle and drive it to the dealership for repairs.
 - Re-deliver the owner's vehicle after repairs have been completed.
- Pick-Up & Delivery and mobile service should be made available for all customers. Refer to the Rental and Claiming sections for further details.

NOTE: Integrated Diagnostic Software (IDS) cannot be used for programming on Bronco Sport or Maverick vehicles.

OWNER NOTIFICATION MAILING SCHEDULE

Owner letters are expected to be mailed the week of June 3, 2024. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

PLEASE NOTE:

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$27,168 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

ATTACHMENTS

- Administrative Information
- Labor Allowances and Parts Ordering Information
- Technical Instructions
- Mobile Service Repair Assessment
- Mobile Repair/Vehicle Pick-Up & Delivery Record
- Owner Notification Letters

QUESTIONS & ASSISTANCE

For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. The SSSC Web Contact Site can be accessed through the Professional Technician System (PTS) website using the SSSC link listed at the bottom of the OASIS VIN report screen or listed under the SSSC tab.

Sincerely,



Stacy L. Balzer

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MOBILE SERVICE REPAIR ASSESSMENT LEVEL

 - Mobile Reprogramming

MOBILE REPAIR RECOMMENDATIONS

- Confirm with the customer a mobile repair is feasible.
- Check OASIS before going to the customer's home or business to confirm if any other outstanding FSA needs to be completed.
- Transportation – due to the simplicity of this repair, a specialty vehicle is not required.

MOBILE REPAIR ADDITIONAL INFORMATION

Please ensure the technician brings the following to the mobile repair destination:

- Printed Technical Instructions
- Printed Repair/Work Order or any other necessary documentation as customer copy(s)
 - Documents could also be emailed to the customer.
- Shirt/uniform and vehicle graphic with the dealership or Ford logos are recommended.
- Recommended specialty tools: FDRS, VCMM or VCMII, battery charger, 120V power source

MOBILE REPAIR QUESTIONS AND ASSISTANCE

- For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. Work with Dealership warranty administrator to create a SSSC contact ID#.
- Once an SSSC agent responds to the new contact ID#, you may opt to call the SSSC hotline: (800) 325-5621.

OASIS ACTIVATION

OASIS was activated on May 13, 2024.

FSA VIN LISTS ACTIVATION

FSA VIN Lists were available through <https://web.fsavinlists.dealerconnection.com> on May 13, 2024. Owner names and addresses will be available by June 21, 2024.

NOTE: Your FSA VIN Lists may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

SOLD VEHICLES

- Ford has not issued instructions to stop selling/delivering or driving used vehicles under this safety recall. Owners should contact their dealers for an appointment to have their vehicles remedied as soon as practicable.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS. Give the customer a copy of the Owner Notification Letter (when available) and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.
- Dealers are to prioritize repairs of customer vehicles over repairs of new and used vehicle inventory.

STOCK VEHICLES

- Correct all affected units in your new vehicle inventory before delivery.
- Use OASIS to identify any affected vehicles in your used vehicle inventory.

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DEALER-OPERATED RENTAL VEHICLES

The Fixing America's Surface Transportation (FAST) Act law effective June 2016 prohibits a rental company from selling, renting, or leasing vehicles subject to a safety or compliance recall. Please consult your legal counsel for legal advice.

BRANDED / SALVAGED TITLE VEHICLES

Affected branded / salvaged title vehicles are eligible for this recall.

OWNER REFUNDS

- **This safety recall must still be performed, even if the owner has paid for a previous repair. Claiming a refund will not close the recall on the vehicle.**
- Ford Motor Company is offering a refund for owner-paid repairs covered by this recall if the repair was performed before the date indicated in the reimbursement plan, which is posted with this bulletin. Owners are directed to seek reimbursement through authorized dealers or, at their option, directly through Ford Motor Company at PO Box 6251, Dearborn, MI 48121-6251.
- Dealers are also pre-approved to refund owner-paid emergency repairs that were performed away from an authorized servicing dealer after the end date specified in the reimbursement plan. Non-covered repairs, or those judged by Ford to be excessive, will not be reimbursed.
- Refunds will only be provided for the cost associated with vehicles that required towing due to a sudden 12v degradation while driving.

NOTE: 12v battery replacement is not reimbursable under the terms of this program.

RENTAL VEHICLES

Rental vehicles are not approved for this program.

TOWING

If towing is required, dealers are authorized to claim up to a maximum value of \$250 to provide towing services for this program.

MOBILE REPAIR CLAIMING QUESTIONS

Dealers participating in the Remote Experience Program:

- Ford Dealers - refer to EFC14125, 2024 Remote Experience Program.
- Lincoln Retailers - refer to EFC14164, 2024 Remote Experience Program.

Dealers NOT participating in the 2024 Remote Experience Program:

- For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. Work with the Dealership warranty administrator to create an SSSC contact ID#.
- Once an SSSC agent responds to the new contact ID#, you may opt to call the SSSC hotline: (800) 325-5621.

PICK-UP & DELIVERY- Participating Dealers

Dealers participating in the Remote Experience Program:

Ford Dealers - Refer to EFC14125, 2024 Remote Experience Program, Pick-Up & Delivery Offset section for additional details.

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PICK-UP & DELIVERY- Non-participating Dealers

Ford Dealers not participating in the 2024 Remote Experience Program for Pick-Up & Delivery are authorized to claim unique services for completing this program.

- Dealers are authorized to claim one-half labor hour per repair for vehicle Pick-Up & Delivery services. Refer to Labor Allowances for details.
- Dealers must retain a Vehicle Pick-Up & Delivery Record with the repair order documentation.

ADDITIONAL REPAIR (LABOR TIME AND/OR PARTS)

Additional repairs identified as necessary to complete the FSA should be managed as follows:

- For related damage and access time requirements, refer to the Warranty and Policy Manual / Section 6 – Ford & Lincoln Program Policies / General Information & Special Circumstances for FSAs / Related Damage.
- For vehicles within new vehicle bumper-to-bumper warranty coverage, no SSSC approval is required, although related damage must be on a separate repair line with the “Related Damage” radio button checked.
 - Ford vehicles – 3 years or 36,000 miles
- For vehicles outside new vehicle bumper-to-bumper warranty coverage, submit an Approval Request to the SSSC Web Contact Site before completing the repair.

CLAIMS PREPARATION AND SUBMISSION

- **Technician Competency Requirement:** The STST Competency 10 certification requirement in the U.S. market only will be enforced starting with repair orders opened on or after April 1, 2024. FSA repairs will reject if the repairing technician is not certified in STST Competency 10 FSA. See EFC14251 for more details.
- **Claim Entry:** Enter claims using Dealer Management System (DMS) or One Warranty Solution (OWS) online.
 - When entering claims, select claim type 31: Field Service Action. The FSA number 24S24 is the subcode.
 - For additional claims preparation and submission information, refer to the Recall and Customer Satisfaction Program (CSP) Repairs in the OWS User Guide.
- **Related Damage/Additional labor and/or parts:** Must be claimed as Related Damage on a separate repair line from the FSA with the same claim type and subcode as described in Claim Entry above.

IMPORTANT: Click the Related Damage Indicator radio button.

- **Refunds:** Submit refunds on a separate repair line.
 - Program Code: 24S24
 - Misc. Expense: ADMIN
 - Misc. Expense: REFUND
 - Misc. Expense: 0.2 Hrs.
 - Multiple refunds should be submitted on one repair line and the invoice details for each repair should be detailed in the comments section of the claim.
- **NOTE:** 12v battery replacement is not reimbursable under the terms of this program.

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CLAIMS PREPARATION AND SUBMISSION (continued)

Pick-Up & Delivery:

- Dealers participating in the Remote Experience Program –
 - Refer to EFC14125, 2024 Remote Experience Program, Pick-Up & Delivery (PDL) Offset section for additional details.
- Dealers NOT participating in the Remote Experience Program –
 - Dealers may claim one-half labor hour per repair for vehicle Pick-Up & Delivery services.
 - Dealers must retain a Vehicle Pick-Up & Delivery Record with the repair order documentation.
- **Mobile Repair:**
 - Dealers participating in the Remote Experience Program –
 - Ford Dealers - refer to EFC14125, 2024 Remote Experience Program.
 - Lincoln Retailers - refer to EFC14164, 2024 Remote Experience Program.
 - Dealers NOT participating in the Remote Experience Program –
 - Mobile repair allowances can be claimed for dealer-performed mobile repairs. Dealers that are working with Ford-contracted mobile repair companies should refer to those companies for claiming instructions.
 - For dealer-performed mobile repairs, retain a copy of the Service Management signed record with the repair order documentation.
 - Claim the mobile repair allowance Labor Operation Code 24S24MM along with the applicable Labor Operation Code for the repair (refer to the Labor Allowances table in Labor Allowances and Parts Ordering Information).
- **Provision for Towing:** Dealers are authorized to claim up to a maximum value of \$250 to provide towing services for completing this program. Submit on the same line as the repair.
 - Program Code: 24S24
 - Misc. Expense: OTHER
 - Misc. Expense: Claim up to \$250.00

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LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Reprogram the PCM and BCM to the latest level, using FDRS. Includes time for TPMS relearn procedure. (cannot be claimed with 24S24C) NOTE: Integrated Diagnostic Software (IDS) cannot be used for programming on Bronco Sport or Maverick vehicles.	24S24B	0.5 Hours
Reprogram the PCM to the latest level, using FDRS. (cannot be claimed with 24S24B) NOTE: Integrated Diagnostic Software (IDS) cannot be used for programming on Bronco Sport or Maverick vehicles. Maverick vehicles that do not have BCM software available.	24S24C	0.4 Hours
Mobile Service: This allowance is only for <u>non-eligible</u> 2024 Remote Experience Program Dealers. Can be used when the repair takes place away from the dealership. If Additional Time is Required Due to Travel, Please Submit an SSSC Approval Form.	24S24MM	0.5 Hours
Vehicle Pick-Up & Delivery Allowance: This allowance is only for <u>non-eligible</u> 2024 Remote Experience Program Dealers. NOTE: This allowance is for dealer-performed vehicle Pick-Up & Delivery for dealership repairs only. Can only be claimed once, regardless of outstanding FSAs repaired.	24S24PP	0.5 Hours

PARTS REQUIREMENTS / ORDERING INFORMATION

Parts are not required to complete this repair.

CERTAIN 2021-2024 MODEL YEAR BRONCO SPORT AND 2022-2023 MODEL YEAR MAVERICK VEHICLES — BODY CONTROL MODULE AND POWERTRAIN CONTROL MODULE CALIBRATION UPDATES

SERVICE PROCEDURE

IMPORTANT! The Service Technician Specialty Training (STST) Competency 10 certification requirement, for U.S. market only, will be enforced starting with repair orders opened on or after April 1, 2024. Field Service Action (FSA) repairs will reject if the repairing technician is not certified in STST Competency 10 FSA. See Electronic Field Communication (EFC) 14251 for more details.

Module Programming

NOTE: Program appropriate vehicle modules before performing diagnostics and clear all Diagnostic Trouble Codes (DTCs) after programming. For DTCs generated after programming, follow normal diagnostic service procedures.

1. Connect a battery charger to the 12 Volt (V) battery.

- Use of a heavy-duty charger is recommended to maintain proper battery voltage during this procedure.

NOTE: Verify the negative cable of the charger is installed on a chassis or engine ground and not the 12V battery negative terminal to prevent the battery saver mode from activating on the vehicle.

NOTE: If the diagnostic software does not load or if the vehicle cannot be identified properly, make sure there is a good internet connection and the Vehicle Communication Module (VCM) is properly connected to the Data Link Connector (DLC).

2. Log into Ford Diagnostic and Repair System (FDRS).

NOTE: Vehicle information is automatically retrieved by the diagnostic software and a Network Test is run. Vehicle identification data appears on the screen when this is complete.

3. Click **Read VIN from Vehicle** or manually enter the Vehicle Identification Number (VIN).

NOTE: Available modules are shown on the left hand (LH) side of the screen and available procedures are listed on the right hand (RH) side of the screen. Modules that are communicating are highlighted in green.

4. Select **Toolbox** tab.

5. From the list on the LH side of the screen, select the **PCM**.

6. From the list on the RH side of the screen, select **PCM - Powertrain Control Module (PCM) Software Update**.



7. Click **RUN**. Follow all on-screen instructions carefully.
8. From the list on the LH side of the screen, select the **BCM**.
9. From the list on the RH side of the screen, select **BCM - Body Control Module (BCM) Software Update**.
10. Click **RUN**. Follow all on-screen instructions carefully.
11. Re-learn the Tire Pressure Monitor System (TPMS) during the BCM software update. Follow the Workshop Manual (WSM) Procedures in 204-04B. See Figure 1.
 - Select **Yes** when prompted to start the TPMS re-learn process.

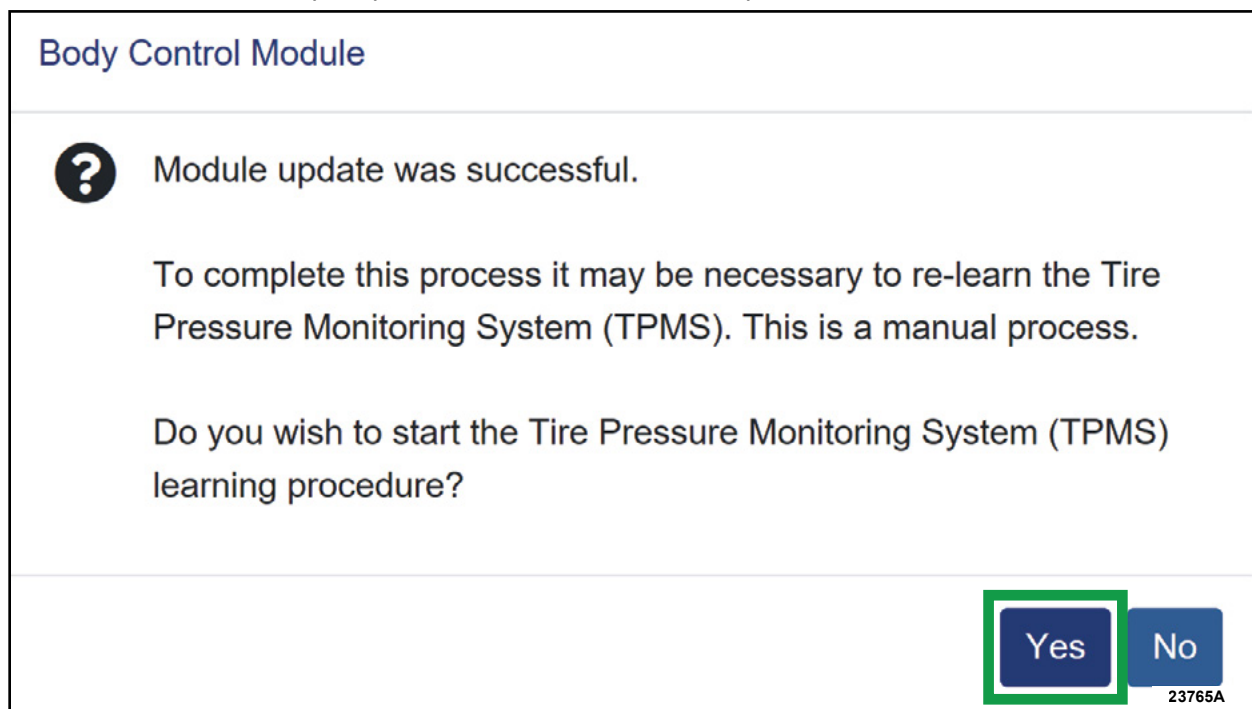


FIGURE 1

12. From the list on the RH side of the screen, select **Self-Test** and click **RUN**.
13. Click the **Run Selected Tests** button in the lower right.
14. Click the **Clear & Retest** button at the top of the screen to clear DTCs in all modules.
15. Disconnect the battery charger from the 12V battery once the programming has completed.

NOTE: Advise the customer this vehicle is equipped with an adaptive transmission shift strategy which allows the vehicle's computer to learn the transmission's unique parameters and improve shift quality. When the adaptive strategy is reset, the computer will begin a re-learning process. This re-learning process may result in firmer than normal upshifts and downshifts for several days.



Important Information for Module Programming

NOTE: When programming a module, use the following basic checks to ensure programming completes without errors.

- Make sure the 12V battery is fully charged before carrying out the programming steps and connect FDRS/scan tool to a power source.

NOTE: A good internet connection is necessary to identify the vehicle and to load the diagnostic software.

- Inspect the Vehicle Communication Module II (VCM II)/Vehicle Communication Module III (VCM III) or the Vehicle Communication and Measurement Module (VCMM) and the cables for any damage. Make sure scan tool connections are not interrupted during programming.
- A hardwired connection is strongly recommended.
- Turn off all unnecessary accessories (radio, heated/cooled seats, headlamps, interior lamps, HVAC system, etc.) and close doors.
- Turn the accessories back on after programming has completed.
- Disconnect/depower any aftermarket accessories (remote start, alarm, power inverter, CB radio, etc.).
- Follow all scan tool on-screen instructions carefully.
- Disable FDRS/scan tool sleep mode, screensaver, hibernation modes.
- Create all sessions key on engine off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.

Recovering a module when programming has resulted in a blank module

- a. Disconnect the VCM II/VCM III or the VCMM from the data link connector (DLC) and your computer.
- b. After ten seconds, reconnect the VCMII/VCMIII or the VCMM to the DLC and the PC. Launch FDRS. The VCMII/VCMIII or the VCMM icon should turn green in the bottom right corner of the screen. If it does not, troubleshoot the FDRS to VCM connection.
- c. If you are using the same FDRS as the initial programming attempt, select the appropriate VIN from the Vehicle Identification menu. If you are using a different FDRS, select "Read VIN from Vehicle" and proceed through the Network Test.
- d. In the Toolbox menu, navigate to the failed module and Download/Run Programmable Module Installation (PMI). Follow the on-screen prompts. When asked if the original module is installed, select "No" and continue through the installation application.
- e. Once programming has completed, a screen may list additional steps required to complete the programming process. Make sure all applicable steps are followed in order.



NEW VEHICLE DEMONSTRATION / DELIVERY HOLD – Safety Recall 24S24

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Body Control Module and Powertrain Control Module Calibration Updates












Mobile Service Repair Assessment

Assessment levels have been identified to help determine the ease of performing eligible mobile service repairs for a Field Service Action (FSA) outside of the dealership service facility.


Dealer Bulletin



Within the Administrative Information Attachment of the dealer bulletin a mobile service repair assessment level(s) will be provided. These assessment levels have been determined using the amount of time, equipment and labor identified to perform the intended service action.

Assessment Levels

-  - Mobile Reprogramming
-   - Light Mobile Service
-    - Enhanced Mobile Service
-     - Advanced Mobile Service
-  - Wheel and Tire Mobile Service
-  - Not a Mobile Service Repair

Description of each level that is used to determine the overall assessment.

-  – Mobile Reprogramming
 - Module Programming or similar type services
 - Minimum tools maybe required other than an **IDS/FDRS** setup
 - FDRS programming that requires internet connection (wi-fi or mobile hotspot)
 - Make sure vehicle has a charge port to ensure battery voltage is maintained during flashing of the module(s)
 - Repairs not greater than 1 hour in length (including time to wait for programming)

Note: The location will need a charging station or wall box to maintain the 12-volt battery.
-   – Light Mobile Service
 - Interior repair procedures that do not require seat, dash, or headliner removal
 - Under hood repairs that do not require large component removal
 - Exterior repairs that do not require large component/panel removal
 - Repairs may require standard hand tools (Access to a Technician starter kit or similar)

NEW VEHICLE DEMONSTRATION / DELIVERY HOLD – Safety Recall 24S24

Certain 2021-2024 Model Year Bronco Sport and 2022-2023 Model Year Maverick Vehicles
Body Control Module and Powertrain Control Module Calibration Updates

– Enhanced Mobile Service

- **A two-person process is required anytime a procedure requires work under the vehicle**
- Brake Inspection and Brake Repair/Replacement
- Limited Suspension Component replacement (no alignment)
- Under Vehicle access for limited repairs (no large component removal)
- Vehicle Check Up - VCU
- Pre-Delivery Inspection - PDI
- Used Car Inspection/Presale Inspection
- May require floor jack, jack stands, and impact tools

Note: Wheel lock may be required.

– Advanced Mobile Service

- Fluid Exchange/Oil Change
- Light Repairs
- Brake Hydraulic Repairs

– Wheel and Tire Mobile Service

- Tire Removal from Wheel
- Tire Balancing
- Tire Repair

Note: Specialized Mobile Service unit and equipment including Tire balancer and Tire Changer required.

– Not a Mobile Service Repair

- Large component removal
- BEV Battery Replacement
- Requires a vehicle hoist – to complete the repair (more than inspection)
- Required vehicle alignment
- Requires significant vehicle disassembly
- Repairs greater than 2-3 hours
- Any repairs that require M-Time
- Includes a service procedure where the vehicle owner may be distressed about the state of their vehicle

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Mobile Repair / Vehicle Pick-Up and Delivery Record

VIN _____ received (check one):

- Mobile Repair
- Pick-up and/or delivery service

As outlined below for 24S24 Field Service Action program.

Mobile Repair – Date: _____

OR

Pick-up – Date: _____

Delivery – Date: _____

Repair Order #

Repair Order Date

Service Manager Signature

Date