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Ford Motor Company
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July 8, 2024

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: Customer Satisfaction Program 24P16
Certain 2023 Model Year Mustang Mach-E Vehicles
12 Volt (12V) Battery Test and Remote Climate Control Module (RCCM) Reset

PROGRAM TERMS

This program will be in effect through July 31, 2025, for vehicles within the new bumper-to-bumper warranty coverage period.

AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
Mustang Mach-E	2023	Cuautitlan	July 1, 2023 through September 5, 2023

U.S. population of affected vehicles: 7,032. Affected vehicles are identified in OASIS.

REASON FOR THIS PROGRAM

On the affected vehicles, the Remote Climate Control Module (RCCM) may stay awake after the vehicle is turned off, creating a Key Off Load (KOL). This may cause DTC B1616-04 to set, and a message "Electrical System Drain Service Required" to appear on the Instrument Panel Cluster (IPC) and may also lead to a discharge of the 12V battery if the vehicle is parked for approximately 10-15 days.

SERVICE ACTION

Customer satisfaction P-type programs are to be performed on impacted vehicles already in for other service work (either mobile repair or in dealership). Dealers are to test the 12V battery using the proper battery tester/charger (listed below and in the technical instructions), replace the 12V battery if necessary and reset the RCCM following the technical instructions. 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.

Note: There are two battery testers/chargers (DCA-8000 and GRX-3590) that will generate two required codes for claiming purposes when replacement of the 12V battery is necessary:

- Battery Tester/OWS Approval Code (5 Digit Code)
 - DCA-8000 starts with a "H"
 - GRX-3590 starts with a "F"
- DTC Battery Code (when claiming, must be entered without spaces)
 - DCA-8000 has 12 characters
 - GRX-3590 has 7 characters

OWNER NOTIFICATION MAILING SCHEDULE

Owner letters will not be mailed for this program.

ATTACHMENTS

- Administrative Information
- Labor Allowances and Parts Ordering Information
- Technical Instructions

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,

A handwritten signature in black ink that reads "Dan Wilyard". The script is cursive and fluid, with the first letters of "Dan" and "Wilyard" being capitalized and prominent.

Dan Wilyard

Customer Satisfaction Program 24P16

MOBILE SERVICE REPAIR ASSESSMENT LEVEL

- All repairs in this program have the following assessment level if the mobile repair vehicle has the proper battery tester equipped:
🔧 🔧 - Light Mobile Service
- Customer satisfaction P-type programs are to be performed on impacted vehicles already in for other service work (either mobile repair or in dealership) and Remote Experience reimbursement for just this repair is not allowed.

OASIS ACTIVATION

OASIS will be activated on July 8, 2024.

FSA VIN LISTS ACTIVATION

FSA VIN Lists will not be activated for this service action.

SOLD VEHICLES

- Correct affected vehicles identified in OASIS which are brought to your dealership within the applicable bumper-to-bumper warranty coverage period.

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.

BRANDED / SALVAGED TITLE VEHICLES

Branded / salvaged title vehicles are eligible for this service action.

OWNER REFUNDS

Refunds are not approved for this program.

RENTAL VEHICLES

With proper dealer parts ordering and service appointment scheduling, rental vehicles should not be required. However, if you have a unique owner circumstance that may require a rental vehicle, please contact the SSSC via the SSSC Web Contact Site.

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 FSA's / 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.

Customer Satisfaction Program 24P16**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:
 - Claim type 31: Field Service Action.
 - Sub Code: 24P16
 - Customer Concern Code (CCC): A11
 - Condition Code (CC): 42
 - Causal Part Number: 19980, Quantity 0
 - 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.
- **Rentals:** For rental vehicle claiming, follow Extended Service Plan (ESP) guidelines for dollar amounts. Enter the total amount of the rental expense under the Miscellaneous Expense code RENTAL.

Note: There are two battery testers/chargers (DCA-8000 and GRX-3590) that will generate two required codes for claiming purposes when replacement of the 12V battery is necessary:

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 - DCA-8000 starts with a "H"
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LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Test 12V Battery (PASS)	24P16B	0.7 Hours
Test 12V Battery (FAIL), Replace 12V Battery	24P16C	0.7 Hours

PARTS REQUIREMENTS / ORDERING INFORMATION

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
BAGM-H3	If Needed / Up to 1		1	12V Battery

Order your parts requirements through normal order processing channels. To guarantee the shortest delivery time, an emergency order for parts must be placed.

Less than 2% of the affected vehicle population is expected to require a new 12V Battery.

Note: There are two battery testers/chargers (DCA-8000 and GRX-3590) that will generate two required codes for claiming purposes when replacement of the 12V battery is necessary:

- Battery Tester/OWS Approval Code (5 Digit Code)
 - DCA-8000 starts with a "H"
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- DTC Battery Code (when claiming, must be entered without spaces)
 - DCA-8000 has 12 characters
 - GRX-3590 has 7 characters

DEALER PRICE

For the latest prices, refer to DOES II.

PARTS RETENTION, RETURN, & SCRAPPING

Follow the provisions of the Warranty and Policy Manual, Section 1 - WARRANTY PARTS RETENTION AND RETURN POLICIES. If a replaced part receives a scrap disposition, the part must be scrapped by all applicable local, state, and federal environmental protection and hazardous material regulations. Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall.

EXCESS STOCK RETURN

The excess stock returned for credit must have been purchased from Ford Customer Service Division by Policy Procedure Bulletin 4000.

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REPLACED FSA PARTS INSPECTION AND SIGN OFF

Effective March 1st, 2021 all parts replaced as part of an FSA repair with a repair order open date of March 1st, 2021, or later must be inspected and signed off on the repair order by a member of your dealer fixed operations management team or an employee of the task has been delegated to. If the task is to be delegated to a non-management employee, the employee needs to be someone other than the technician who completed the repair and needs to understand the importance of completing this task consistently and accurately.

- All parts replaced as part of an FSA repair should be returned to the parts department following the Warranty Parts Retention and Return Policies.
- Inspect the replaced parts to verify the FSA repair was completed.
- If the FSA repair is found to be complete, the designated employee signs the repair order line or parts return stamp area (electronic or hand signed) for the FSA repair indicating the parts were inspected and validated to have been replaced.
- After the parts have been inspected, they should be handled based on the guidance in the parts status report in the Online Warranty System (Hold, Return, CORE, Scrap, etc.). Please visit FMCDEALER > PARTS & SERVICE > WARRANTY ADMINISTRATION & WARRANTY PARTS RETURN for the latest [Immediate Scrap List](#) information.
- This process is subject to review during warranty audits for FSA repairs with a repair order open date of March 1st, 2021, or later. Any eligible FSA claims requiring parts replacement found not to have been inspected and signed off during a warranty audit will be subject to chargeback and consideration for enrollment into the Dealer Incomplete Recall Repair Process.

Note: Other approvals (electronic or handwritten) for add-on repair lines, dealer-owned vehicle repairs, and repeat repairs do not qualify as FSA parts inspection approvals. The post-repair FSA parts inspection process (electronic or handwritten) is independent of other warranty approval requirements. The approval by the designated employee implies that the FSA parts were found to be replaced and must be able to be identified on the Repair Order. If multiple FSAs require approval on a single Repair Order, each applicable occurrence will require individual post-repair approval by the designated employee.

CERTAIN 2023 MODEL YEAR MUSTANG MACH-E VEHICLES — 12 VOLT (12V) BATTERY TEST AND REMOTE CLIMATE CONTROL MODULE (RCCM) RESET

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.

IMPORTANT! This Field Service Action (FSA), must be performed by a certified BEV technician.

 **WARNING:** Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

 **CAUTION:** The area around the 12V battery may have sharp edges. Use caution when working with your hands avoid injury.

IMPORTANT! This procedure was modified from the original Workshop Manual (WSM) procedure. Follow technical instructions carefully. (Removal of the Underhood Storage Compartment is not necessary).

NOTE: Diagnostic Trouble Code (DTC) B1616-04 may set which will also cause a message on the Instrument Cluster to appear stating “Electrical System Drain Service Required”.

1. De-energize the high voltage system. Follow procedures in Workshop Manual (WSM) Section 414-03A.



2. Loosen, but do not remove the nut. Position the negative battery cable aside. See Figure 1.

- Torque: 48 lb.in (5.4 Nm)

NOTE: Disconnecting the Battery Monitoring Sensor (BMS) electrical connector before the battery cable may induce Diagnostic Trouble Codes (DTC's).

3. Disconnect the BMS electrical connector from the sensor. See Figure 1.

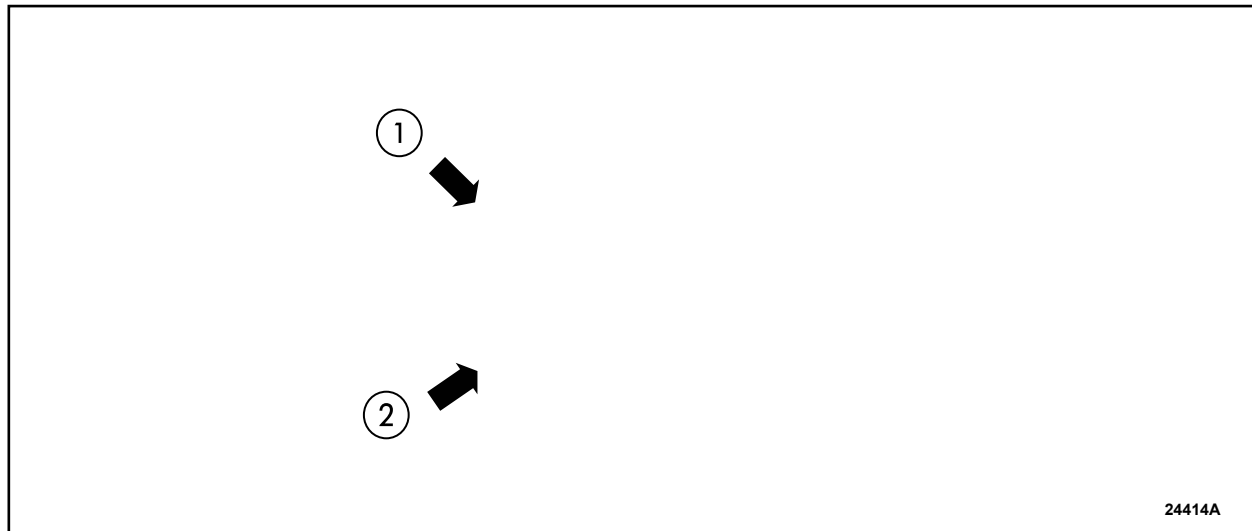


FIGURE 1

4. Remove the bolts and the battery hold down clamp. See Figure 2.

- Torque: 53 lb.in (6 Nm)

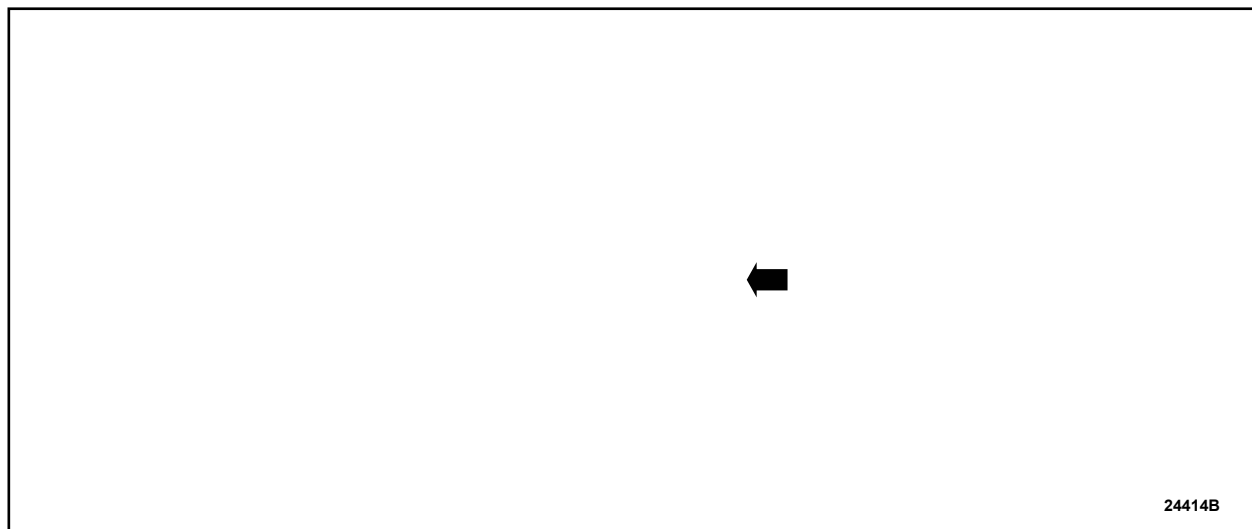


FIGURE 2



5. Position the 12V battery rearward. See Figure 3.

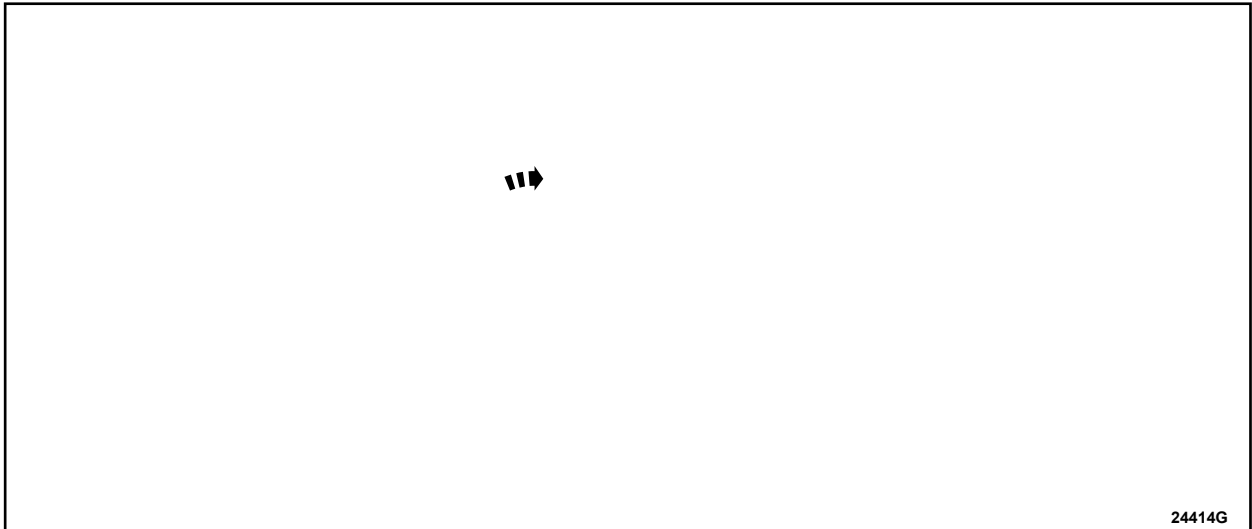
NOTE: Components removed for clarity.



24414C

FIGURE 3

6. Position the positive battery cable terminal cover aside. See Figure 4.



24414G

FIGURE 4



7. Using Diagnostic Battery Tester/Charger DCA-8000 or GRX-3590, verify the condition of the battery.

- Does the battery pass the diagnostic test?

Yes - Proceed to Step 8.

No - Proceed to Step 13.

8. Disconnect the battery tester/charger and leave the negative battery cable disconnected an additional 5 minutes to make sure the RCCM has reset.

9. Reassemble vehicle by reversing Steps 1-6.

10. Using Ford Diagnostic and Repair System (FDRS), from the list on the RH side of the screen, select **Self-Test** and click **RUN**.

11. Click the **Run Selected Tests** button in the lower right.

12. Click the **Clear & Retest** button at the top of the screen to clear DTCs in all modules. This completes this FSA.

For batteries that DO NOT pass the diagnostic test

13. Install a *new* 12V battery, continue to Step 14.

NOTE: When installing a *new* 12V battery, a total of 5 minutes is required to have lapsed between the time of testing the 12V battery and installing the *new* 12V battery to make sure the RCCM has reset.

NOTE: Both the DCA-8000 or GRX-3590 will provide two required codes for claiming when replacement of the 12V battery is necessary:

- Battery Tester/OWS Approval Code (5 Digit Code):
 - DCA-8000 starts with a "H".
 - GRX-3590 starts with a "F".
- DTC Battery Code (when claiming, must be entered without spaces):
 - DCA-8000 has 12 characters.
 - GRX-3590 has 7 characters.



14. Remove the Right Hand (RH) Under Hood Cover. See Figure 5.

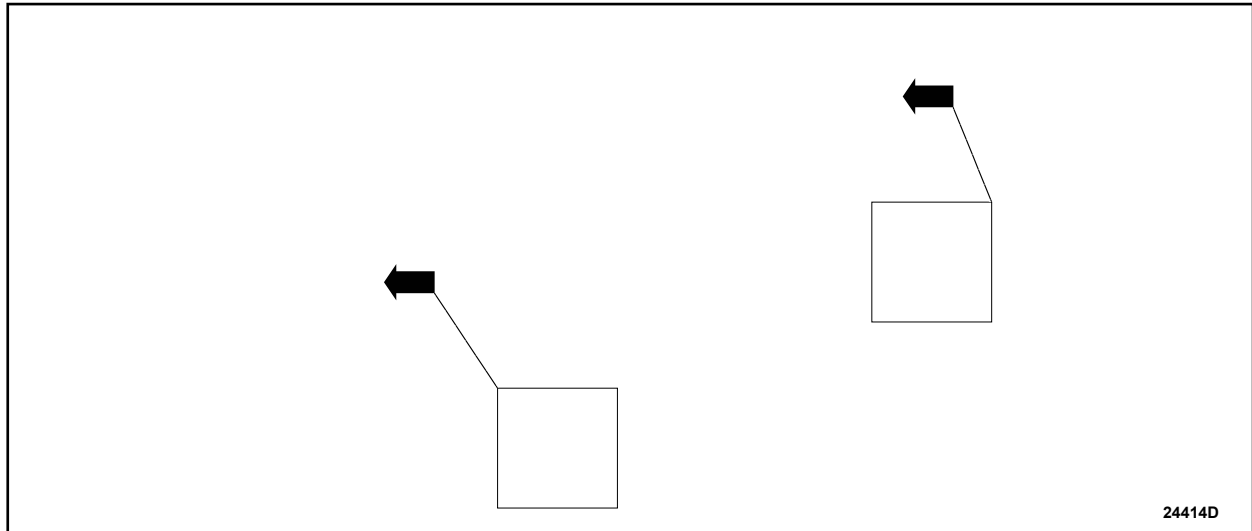


FIGURE 5

15. Remove the nuts and the front strut tower brace. See Figure 6.

- Torque: 66 lb.ft (90 Nm)

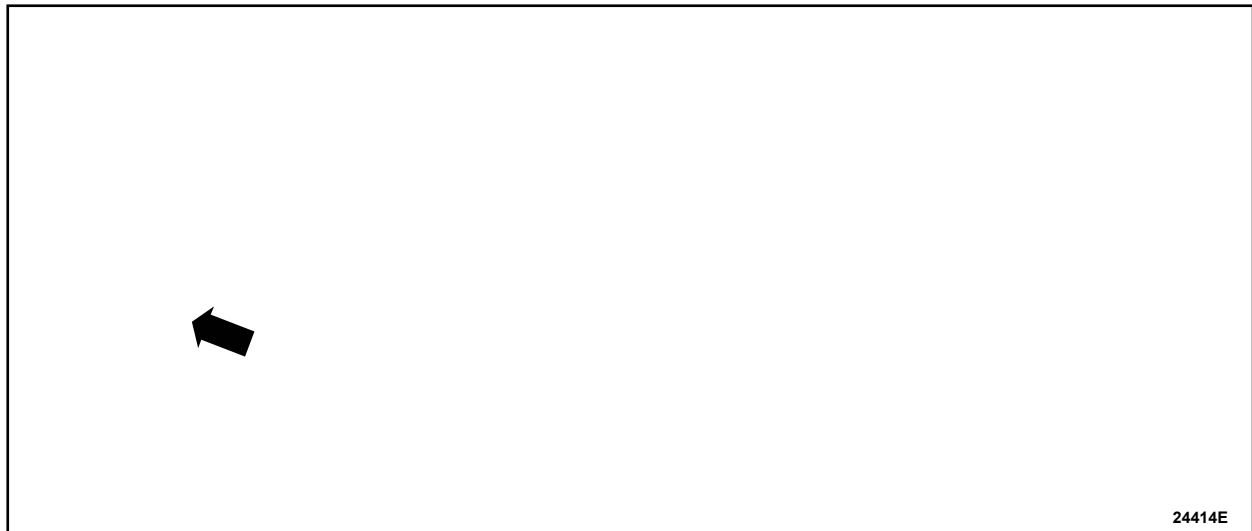
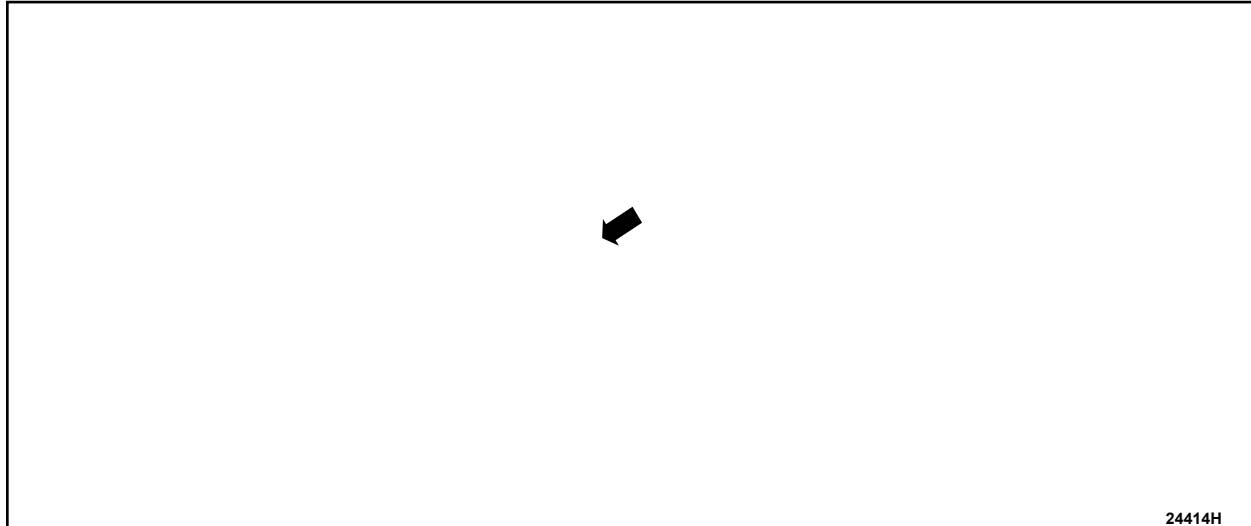


FIGURE 6



16. Loosen, but do not remove the positive battery cable terminal nut. See Figure 7.

- Torque: 48 lb.in (5.4Nm)



24414H

FIGURE 7

17. Position aside the positive battery terminal away from the 12V battery.

18. Remove the 12V battery using the hand placement shown. See Figure 8.



24414F

FIGURE 8



19. Install the *new* 12V battery. Reverse steps 14-18.
20. Reassemble vehicle by reversing Steps 1-6.
21. Using FDRS, from the list on the RH side of the screen, select **Self-Test** and click **RUN**.
22. Click the **Run Selected Tests** button in the lower right.
23. Click the **Clear & Retest** button at the top of the screen to clear DTCs in all modules. This completes this FSA.

IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.

