



Service Engineering Operations  
Customer Service Division

Ford Motor Company  
PO Box 1904  
Dearborn, Michigan 48121

July 14, 2025

**TO:** All U.S. Ford and Lincoln Dealers  
**SUBJECT:** **Customer Satisfaction Program 25B22**  
Certain 2024 - 2025 Model Year Diesel F-650/F-750 Vehicles  
Glow Plug Module Wire Harness Shielding

**PROGRAM TERMS**

This program will be in effect through from July 14, 2025, to July 31, 2026. There is no mileage limit for this program.

**URGENCY / EXPIRATION DATE**

This Customer Satisfaction Program has an expiration date of July 31, 2026, to encourage dealers and customers to have this service performed as soon as possible.

We recommend dealers utilize their FSA VIN Lists' names and address to contact customers with affected vehicles. This will help minimize the number of vehicles that may require a more extensive repair. FSA VIN Lists are expected to be available on July 14, 2025.

**AFFECTED VEHICLES (U.S. Population of Affected Vehicles 4,292):**

Vehicle	Model Year	Assembly Plant	Build Date Range
F-650/F-750	2024	Ohio Assembly Plant	July 28, 2022 through December 21, 2023
F-650/ F-750	2025	Ohio Assembly Plant	June 28, 2023 through February 9, 2024

Affected vehicles are identified in OASIS and FSA VIN Lists.

**Note:** Some vehicles may have been repaired or are in the process of being repaired at the assembly 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.

**REASON FOR THIS PROGRAM**

On some of the affected vehicles, the wire harness connected to the glow plug dosing module may chafe due to abrasive contact with the front wheel arch liner. Over time, chafing of the wire harness may lead to a check engine light in the cluster, reduced engine power or engine no-start.

**SERVICE ACTION:**

Dealers are to install a wire harness shield as directed. This service must be performed on all affected vehicles at no charge to the vehicle owner.

**FSA PROGRAM OPTIONS**

Program Option	Eligibility	Comments
Mobile Repair	Yes	See <b>Mobile Repair Assessment Levels</b> section below.
OTA Update	No	OTA not available.
Rentals	No	Rentals are not approved.

Alternative Transportation Available	No	Alternate Transportation is not approved.
Pickup & Delivery	Yes	See <b>Pickup &amp; Delivery</b> section in the Policy document.
Towing	No	Towing is not approved.
Essential Special Service Tools (ESST)	No	ESST not required for this program.
Administrative Allowance	No	Administrative Allowance is not approved.
Owner Refunds	No	Owner Refunds are not approved.
Photo Submission	No	Repair Photo Submission is not approved.

\*For further information on any Service Item above, see the corresponding section with the Policy Document.

### **OWNER NOTIFICATION MAILING SCHEDULE**

Owner letters are expected to be mailed the week of July 21, 2025 or sooner. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

### **ATTACHMENTS**

- Technical Instructions
- Mobile Repair/Vehicle Pick-Up & Delivery Record
- Owner Notification Letter

### **REFERENCE MATERIAL**



- Warranty & Policy Manual (located on FMCD dealer, [https://www.fmcdealer.dealerconnection.com/content/fmcdealer/us/en/parts\\_service/wty.html](https://www.fmcdealer.dealerconnection.com/content/fmcdealer/us/en/parts_service/wty.html))
- FSA Policy Document (located on FMCD dealer, [https://www.fmcdealer.dealerconnection.com/content/fmcdealer/us/en/parts\\_service/fsa/rsc.html](https://www.fmcdealer.dealerconnection.com/content/fmcdealer/us/en/parts_service/fsa/rsc.html))

### **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.

Customer Service Division

**Customer Satisfaction Program 25B22****MOBILE SERVICE REPAIR ASSESSMENT LEVEL**

- Arrange for a mobile repair at the owner's location  
  - Light Mobile Service

**OASIS ACTIVATION**

OASIS will be activated on July 14, 2025.

**FSA VIN LISTS ACTIVATION**

FSA VIN Lists will be available through <https://web.fsavinlists.dealerconnection.com> on July 14, 2025. Owner names and addresses will be available by July 14, 2025.

**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 program 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 service action.

**SOLD VEHICLES**

- Owners of affected vehicles will be directed to dealers for repairs.
- 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.
- If OASIS is activated, identify and correct any affected vehicles in your used vehicle inventory.

**BRANDED / SALVAGED TITLE VEHICLES**

Affected branded / salvaged title vehicles are eligible for this service action.

**OWNER REFUNDS**

Refunds are not approved for this program.

**RENTAL VEHICLES**

Rental vehicles are not approved for this program.

**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.
  - Ford vehicles – 3 years or 36,000 miles
  - Lincoln vehicles – 4 years or 50,000 miles
  - F-650/F-750 trucks – 2 years, regardless of miles driven
- **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 25B22

## 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 August 31, 2024. FSA repairs will reject and the claim will not be paid if the repairing technician is not certified in STST Competency 10 FSA. See EFC15936 for more details.

This program is exempt from the Software Verification Approval Code Requirement.

- **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: **25B22**
    - Customer Concern Code (CCC): D50
    - Condition Code (CC): 30
    - Causal Part Number: 14A163, 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.
- **Additional parts not listed in the parts section:** Additional parts such as Rotunda Coroplast Electrical Wire Harness Tape may be submitted on the same repair line on which the FSA is claimed. Additional parts totaling more than \$15 requires prior approval from the SSSC.

Customer Satisfaction Program 25B22

**LABOR ALLOWANCES**

Description	Labor Operation	Labor Time
Add wire harness shield as directed in the technical instructions.	25B22B	0.6 Hours
Repair up to 5 damaged wires – <i>ONLY AS NEEDED</i>	MT25B22C	Up to 1.0 Hours
Mobile Service: <b>This allowance is only for <u>non-eligible</u> 2025 Remote Experience Program Dealers.</b> 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.	25B22MM	0.5 Hours
<b>Ford</b> Vehicle Pick-Up & Delivery Allowance: <b>This allowance is only for <u>non-eligible</u> 2025 Remote Experience Program Dealers.</b> <b>NOTE:</b> This allowance is for dealer-performed vehicle Pick-Up & Delivery for dealership repairs only. Can only be claimed once, regardless of outstanding FSAs repaired.	25B22PP	0.5 Hours

**PARTS REQUIREMENTS / ORDERING INFORMATION**

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
8U5Z - 14A163 - E	1 – As Needed	1 – As Needed	1	Christmas Tree Retainer
JX7Z-14A099-T	5	5	1	Crush Sleeve

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

**DEALER PRICE**

For the latest prices, refer to DOES II.

**PARTS RETENTION, RETURN, & SCRAPPING**

Please refer to the Policy Document for any and all questions on parts.

**EXCESS STOCK RETURN**

Please refer to the Policy Document for any and all questions on parts.

**REPLACED FSA PARTS INSPECTION AND SIGN OFF**

Please refer to the Policy Document for any and all questions on parts.



Ford Motor Company  
Customer Service Division  
PO Box 1904  
Dearborn, Michigan 48121

July 2025

## Customer Satisfaction Program 25B22

Mr. John Sample  
123 Main Street  
Anywhere, USA 12345

12345678901234567

At Ford Motor Company, we are committed not only to building high-quality, dependable products but also to building a community of happy, satisfied customers. To demonstrate that commitment, we are providing a no-charge Customer Satisfaction Program for your vehicle.

- Why are you receiving this notice?** On your vehicle, the wire harness connected to the glow plug dosing module may chafe due to abrasive contact with the front wheel arch liner.
- What is the effect?** Over time, chafing of the wire harness may lead to a check engine light in the cluster, reduced engine power or engine no-start.
- What will Ford and your dealer do?** **Parts are now available to repair your vehicle.** In the interest of customer satisfaction, Ford Motor Company has authorized your dealer to install a shielding around the wire harness, and replace damaged wires if needed, free of charge under the terms of this program.  
This Customer Satisfaction Program will be in effect until July 31, 2026 regardless of mileage. Coverage is automatically transferred to subsequent owners.
- How long will it take?** The time needed for this repair is less than one-half day. However, due to service scheduling requirements, your dealer may need your vehicle for a longer period of time.
- What should you do?** Please call your dealer without delay to schedule a service appointment for Customer Satisfaction Program 25B22.  
If you do not already have a servicing dealer, you can access [ford.com/support](https://ford.com/support) for dealer addresses, maps, and driving instructions.  
Ford Motor Company wants you to have this service action completed on your vehicle. The vehicle owner is responsible for making arrangements to have the work completed. Ford Motor Company can deny coverage for any vehicle damage that may result from the failure to have this service action performed on a timely basis. Therefore, please have this service action performed as soon as possible.

NOTE - You can receive information about Recalls and Customer Satisfaction Programs through our FordPass App. The app can be downloaded through the App Store or Google Play. In addition, there are other features such as reserving parking in certain locations and controlling certain functions on your vehicle (lock or unlock doors, remote start) if it is equipped to allow control.

**Mobile Service**

Ford Mobile Service is offered by participating dealers, contact your dealer for details.

**Pick-Up and Delivery**

Complimentary vehicle Pick-Up & Delivery service may also be available upon request through participating dealers. Your dealer will pick up your vehicle and return it with the repair completed.

**What if you no longer own this vehicle?**

If you no longer own this vehicle and have an address for the current owner, please forward this letter to the new owner.

You received this notice because our records, which are based primarily on state registration and title data, indicate that you are the current owner.

**Can we assist you further?**

If you have difficulties getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager for assistance.

RETAIL OWNERS: If you have questions or concerns, please contact our **Ford Recall Assistance Center (RAC) at 1-866-436-7332** and one of our representatives will be happy to assist you. The RAC is open on weekdays from 8:30 AM – 7:00 PM (Eastern Time). TTY/TDD users, please contact the RAC at the number listed using the Telecommunication Relay Service by dialing 711.

If you wish to contact us through the internet, our address is [ford.com/support](http://ford.com/support).

FLEET OWNERS: If you have questions or concerns, please contact our **Ford Pro Contact Center at 1-800-34-FLEET**, choose Option #1, and one of our representatives will be happy to assist you. If you wish to contact us through the Internet, our address is [fleet.ford.com](http://fleet.ford.com).

Representatives are available Monday through Friday: 7:00 AM – 11:00 PM and Saturday 7:00 AM – 5:00 PM (Eastern Time).

MOTORHOME OWNERS: If you have questions or concerns, please contact our **Motorhome Customer Assistance Center toll-free at 1-866-906-9811**. Representatives are available 24 hours a day.

Thank you for your attention to this important matter.

Customer Service Division



Ford Motor Company  
División de Servicio al Cliente  
PO Box 1904  
Dearborn, Michigan 48121

Julio de 2025

Programa de satisfacción del cliente 25B22

Sr. Juan Pérez  
Calle Principal 123  
Ciudad, EE. UU. 12345

12345678901234567

El compromiso de Ford Motor Company no es solo fabricar productos confiables y de alta calidad, sino que también lograr la plena satisfacción del cliente. Para demostrar este compromiso, estamos proporcionando un programa de satisfacción del cliente sin cargo para su vehículo.

**¿Por qué recibe este aviso?**

En su vehículo, el arnés conectado al módulo dosificador de bujías incandescentes puede desgastarse debido al contacto abrasivo con el revestimiento del paso de rueda delantero.

**¿Cuál es el efecto?**

Con el tiempo, el desgaste del arnés puede provocar que se encienda la luz de verificación del motor en el grupo de instrumentos, se reduzca la potencia del motor o que el motor no arranque.

**¿Qué medidas adoptarán Ford y su concesionario?**

**Las piezas para reparar su vehículo ya se encuentran disponibles.** Con el fin de asegurar la satisfacción del cliente, Ford Motor Company ha autorizado a su concesionario a instalar una protección alrededor del arnés y sustituir los cables, si es necesario, sin costo alguno y conforme a los términos de este programa.

Este Programa de Satisfacción del Cliente estará vigente hasta el 31 de julio de 2026 independientemente del kilometraje. La cobertura se transferirá automáticamente a los siguientes propietarios.

**¿Cuánto tiempo tomará?**

El tiempo necesario para la reparación será de menos de medio día. Sin embargo, debido a los requisitos de planificación de servicio, es posible que su concesionario tarde un poco más.

## ¿Qué debe hacer?

Llame a su distribuidor sin demora para programar una cita de servicio para el Programa de satisfacción del cliente 25B22.

Si aún no tiene un concesionario de servicio, puede acceder a [ford.com/support](http://ford.com/support) para obtener direcciones de concesionarios, mapas e instrucciones de manejo.

Ford Motor Company le recomienda realizar esta acción de servicio en su vehículo. El propietario del vehículo es responsable de efectuar los arreglos necesarios para llevar a cabo el trabajo. Ford Motor Company puede negar la cobertura en caso de que el vehículo hubiese sufrido daños por no haber realizado la acción de servicio de manera oportuna. Por lo tanto, le solicitamos que realice esta acción de servicio lo antes posible.

NOTA: Puede recibir información sobre las campañas y los programas de satisfacción del cliente a través de la aplicación FordPass. La aplicación se puede descargar a través de App Store o Google Play. Adicionalmente, existen otras funciones como reserva de estacionamientos en determinados lugares, además de control de ciertas funciones en el vehículo (bloqueo o desbloqueo de puertas, arranque remoto) si así está equipado para permitir el control.

## Servicio móvil

El Servicio móvil Ford se ofrece a través de los concesionarios que participan, comuníquese con su concesionario para obtener detalles.

## Servicio de retiro y entrega

El servicio complementario de retiro y entrega de vehículos también podría estar disponible previa solicitud a través de los concesionarios que participan. Su concesionario retirará el vehículo y lo regresará con la reparación realizada.

## ¿Qué pasa si ya no es el propietario del vehículo?

Si ya no es el propietario del vehículo y tiene la dirección del propietario actual, le solicitamos que le reenvíe esta carta.

Este aviso lo recibió porque en nuestros archivos, basados principalmente en datos de registro y propiedad de los EE. UU., aparece usted como el propietario actual.

## ¿Podemos hacer algo más por usted?

Si tiene problemas para reparar su vehículo de inmediato y sin costo alguno, comuníquese con el gerente de servicio de su concesionario para solicitar ayuda.

**PROPIETARIOS MINORISTAS:** Si tiene dudas o preguntas, comuníquese con nuestro **Centro de asistencia de campañas (RAC) Ford al 1-866-436-7332** y uno de nuestros representantes con gusto lo atenderá. El RAC está abierto de lunes a viernes de 8:30 a. m. a 7:00 p. m. (hora del este). Si es usuario de TTY/TDD, comuníquese con el RAC al número que se menciona, mediante el servicio de retransmisión de telecomunicaciones, para esto, marque el 711.

Si desea comunicarse con nosotros a través de Internet, nuestra dirección es [ford.com/support](http://ford.com/support).

PROPIETARIOS DE FLOTAS: Si tiene dudas o preguntas, comuníquese con nuestro **Centro de contacto de Ford Pro al 1-800-34-FLEET**, elija la opción n.º 1 y uno de nuestros representantes con gusto lo atenderá. Si desea comunicarse con nosotros a través de Internet, nuestra dirección es [fleet.ford.com](http://fleet.ford.com).

Los representantes atienden de lunes a viernes, de 7:00 a.m. a 11:00 p.m. y sábado de 7:00 a.m. a 5:00 p.m. (hora del este).

PROPIETARIOS DE CASAS RODANTES: Si tiene dudas o preguntas, comuníquese con nuestro **Centro de Asistencia a Clientes de Casas Rodantes sin cargo al 1-866-906-9811**. Los representantes se encuentran disponibles las 24 horas del día.

Gracias por su atención en este asunto sumamente importante.

División de Servicio al Cliente

**Ford Motor Company**  
**Recall Reimbursement Plan for 25B22**

*Ford and Lincoln dealers are in the best position to quickly and efficiently process reimbursement requests. However, federal legislation requires all motor vehicle manufacturers to establish processes through which customers may seek recall reimbursement directly from the manufacturer or the dealers.*

*Regarding the specific reimbursement plan for Recall # 25B22, owners who have paid for service to remedy the defect or noncompliance must have had that service performed before August 31, 2025. After this date, if repairs related to this recall are performed by a non-Ford repair facility in an emergency, customers must submit any refund requests through their dealership. As required by this federal regulation, Ford Motor Company submitted the details of its latest General Recall Reimbursement Plan in a letter to the National Highway Traffic Safety Administration (NHTSA) in May 2025. The following is the text of that letter and the Plan:*

**General Recall Reimbursement Plan**  
(As submitted to the NHTSA)

Pursuant to the requirements set forth in 49 CFR Part 573 and Part 577 of the Code of Federal Regulations, Ford Motor Company (Ford) is submitting required information pertaining to our general reimbursement plan for the cost of remedies paid for by vehicle owners before they are notified of a related safety recall.

Set forth below is Ford's general plan to reimburse owners and purchasers for costs incurred for remedies in advance of notification of potential safety-related defects or non-compliances pursuant to Part 573.6 (c)(8)(i). This plan has not changed since our May 21, 2025 submission.

Reimbursement Notification

Ford's notice to a vehicle owner in accordance with 49 CFR Part 577 will indicate that Ford is offering a refund if the owner paid to have service to remedy the defect or noncompliance prior to a specified ending date. In accordance with Part 573.13 (c)(2), this ending date will be defined as a minimum of ten calendar days after the date on which Ford mailed the last of its Part 577 notifications to owners and will be indicated in the specific reimbursement plan available to owners for an individual recall. This notice will direct owners to seek eligible reimbursement through authorized dealers or, at their option, directly through Ford at the following address:

Ford Motor Company  
P.O. Box 6251  
Dearborn, MI 48121-6251

Ford notes that this rule allows for the identification of a beginning date for reimbursement eligibility. Under the rule, an owner who paid to remedy the defect or noncompliance prior to the identified beginning date would not be eligible for reimbursement. Ford generally has not established such a beginning date for reimbursement eligibility and does not presently anticipate changing this general policy. However, in any case where Ford determines a beginning date is appropriate, Ford will indicate that date in the owner notice. As permitted by 577.11(e), Ford may not include a reimbursement notification when all vehicles are well within the warranty period, subject to approval by the Agency.

## Costs to be Reimbursed

For vehicles, reimbursement will not be less than the lesser of:

- The amount paid by the owner for the remedy that specifically addressed and was reasonably necessary to correct the defect or noncompliance that is the subject of the recall, or
- The cost of parts for the remedy (to be no more than the manufacturer's list retail price for authorized part(s), plus associated labor at local labor rates, miscellaneous fees (such as disposal of waste) and taxes.

For replacement equipment, reimbursement will be the amount paid by the owner for the replacement item (limited by the amount of the retail list price of the defective or noncompliant item that was replaced, plus taxes, where the brand or model purchased by the owner was different than the brand or model that was the subject of the recall). If the item of motor vehicle equipment was repaired, the reimbursement provisions identified above for vehicles will apply.

Ford notes that costs incurred by the owner within the period during which Ford's original or extended warranty would have provided for a free repair of the problem will not be eligible for reimbursement, as provided by Part 573.13 (d)(1).

## Entities Authorized to Provide Reimbursement

Ford will continue to use authorized dealers to reimburse owners under the specific reimbursement plans for a particular recall and will encourage owners to pursue requests for reimbursement directly through dealers to expedite reimbursement. Ford will also provide a mailing address to which customers can, at their option, send requests for reimbursement directly to Ford, as previously noted. Requests for reimbursement sent directly to Ford may take up to 60 days to process. Whether the owner chooses to pursue reimbursement requests through a dealer or directly through Ford, the owner will be directed to submit the required documentation, upon which reimbursement eligibility will be determined.

## Required Documentation

The reimbursement determination will depend upon the information provided by the customer. Consistent with Part 573.13 (d)(4) the following information must be submitted:

- Claimant name and address
- Vehicle make, model and model year
- Vehicle identification number (VIN) and, for replacement equipment, a description of such equipment or, for tires, the model, size and TIN (DOT code)
- Identification of the recall number (either the Ford recall number or the NHTSA recall number)
- Identification of the owner of the recalled vehicle at the time that the pre-notification remedy was obtained
- An original receipt for the pre-notification remedy that includes a breakdown of the amount for parts, labor, other costs and taxes, including costs for the replacement item. Where the receipt covers work other than to address the recall or noncompliance, Ford may require the claimant to separately identify costs that are eligible for reimbursement.
- If the remedy was obtained during the warranty repair did not correct the problem related to the recall

Failure to submit all the above information may result in denial of the reimbursement request.

### Additional Information

The Part 577 required owner notice will provide a toll-free telephone number through which specific information about the reimbursement plan can be requested from Ford. This general reimbursement plan will be incorporated into notifications pursuant to Part 573.6 by reference. Information specific to an individual recall also may be incorporated into the Part 573.6 notification.

## CERTAIN 2024-2025 MODEL YEAR F650-750 VEHICLES — GLOW PLUG MODULE WIRE HARNESS SHIELDING

### SERVICE PROCEDURE

**IMPORTANT!** The Service Technician Specialty Training (STST) Competency 10 certification requirement in the U.S. market only will be enforced starting with repair orders opened on or after August 31, 2024. Field Service Action (FSA) repairs will reject and the claim will not be paid if the repairing technician is not certified in STST Competency 10 FSA. See Electronic Field Communication (EFC)15936 for more details.

1. Check that the engine is off and the key is removed from the ignition.
  - If the key is in the ignition, wait 1 minute after removing the key before proceeding.
2. Open the hood and locate the Glow Plug Dosing Module (GPDM) on the Right Hand (RH) side fender liner. See Figure 1.

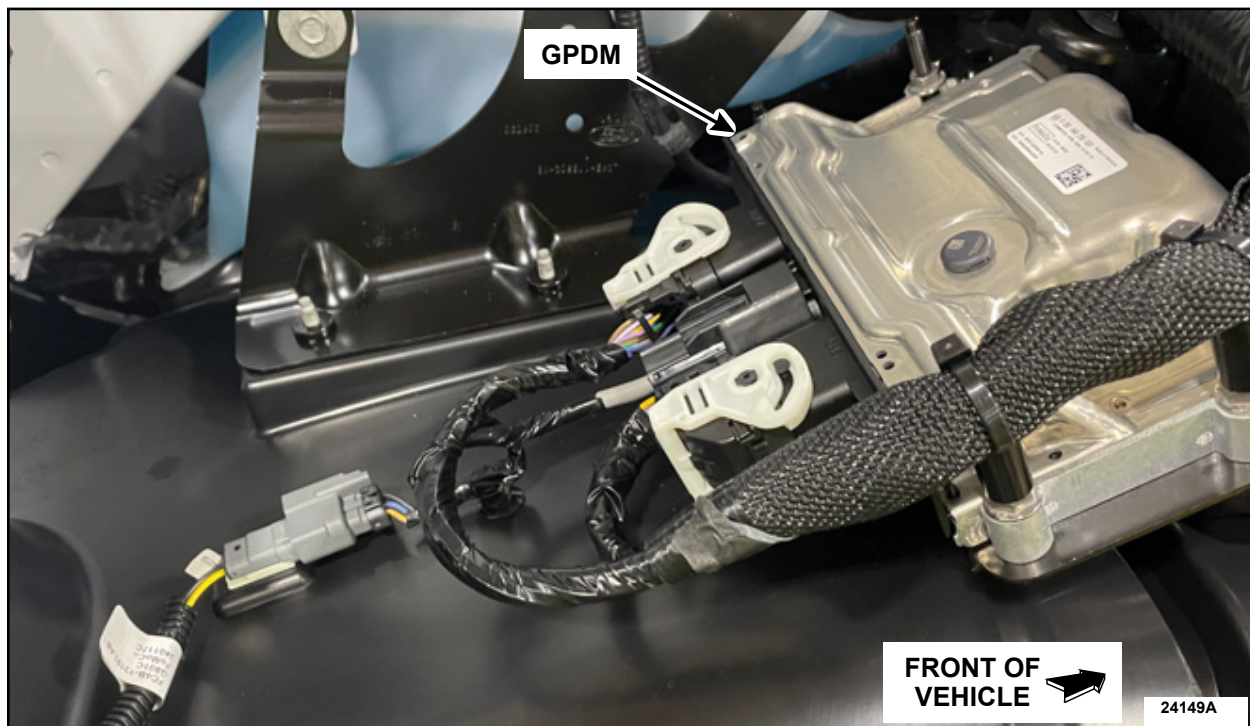


FIGURE 1



3. Disconnect the electrical connectors and the wire harness push pin. See Figure 2.

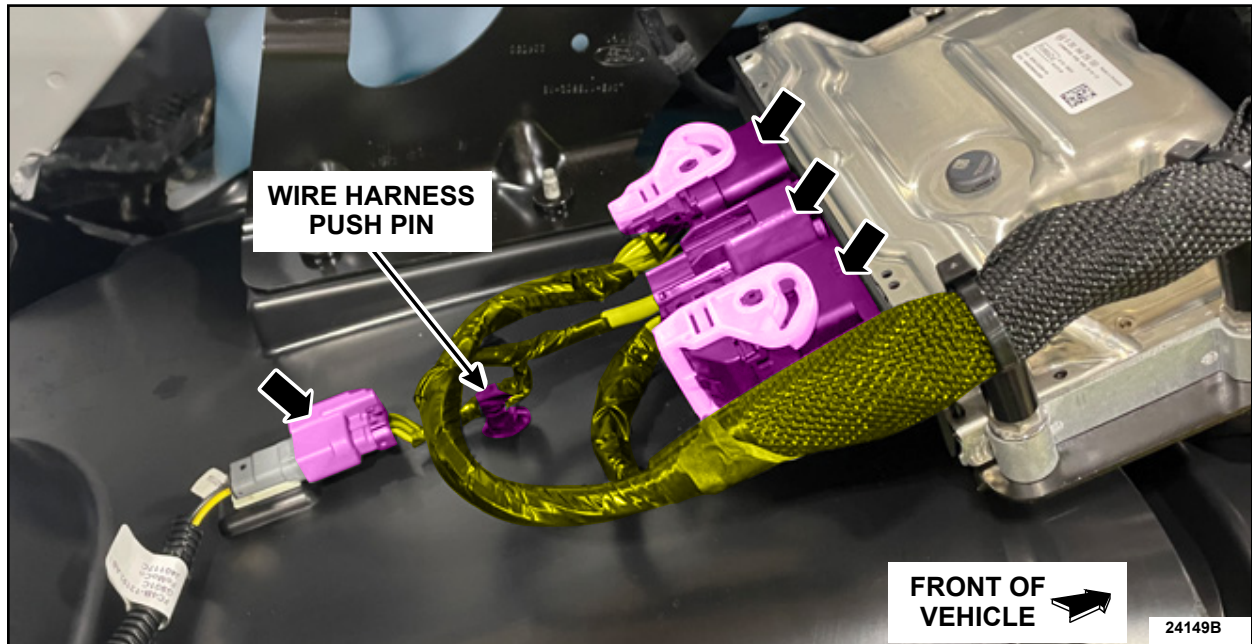


FIGURE 2

4. Inspect the wire harness for any signs of damage. See Figure 3.

- Does the wire harness have any sign of damage?

**Yes** - Repair the wire harness. Follow the procedures in Workshop Manual (WSM) wire diagram "Wiring and Connector Repair Procedures" then proceed to Step 5.

**No** - Proceed to Step 5.

**NOTE:** Wire harness shown outside of the vehicle for clarity.

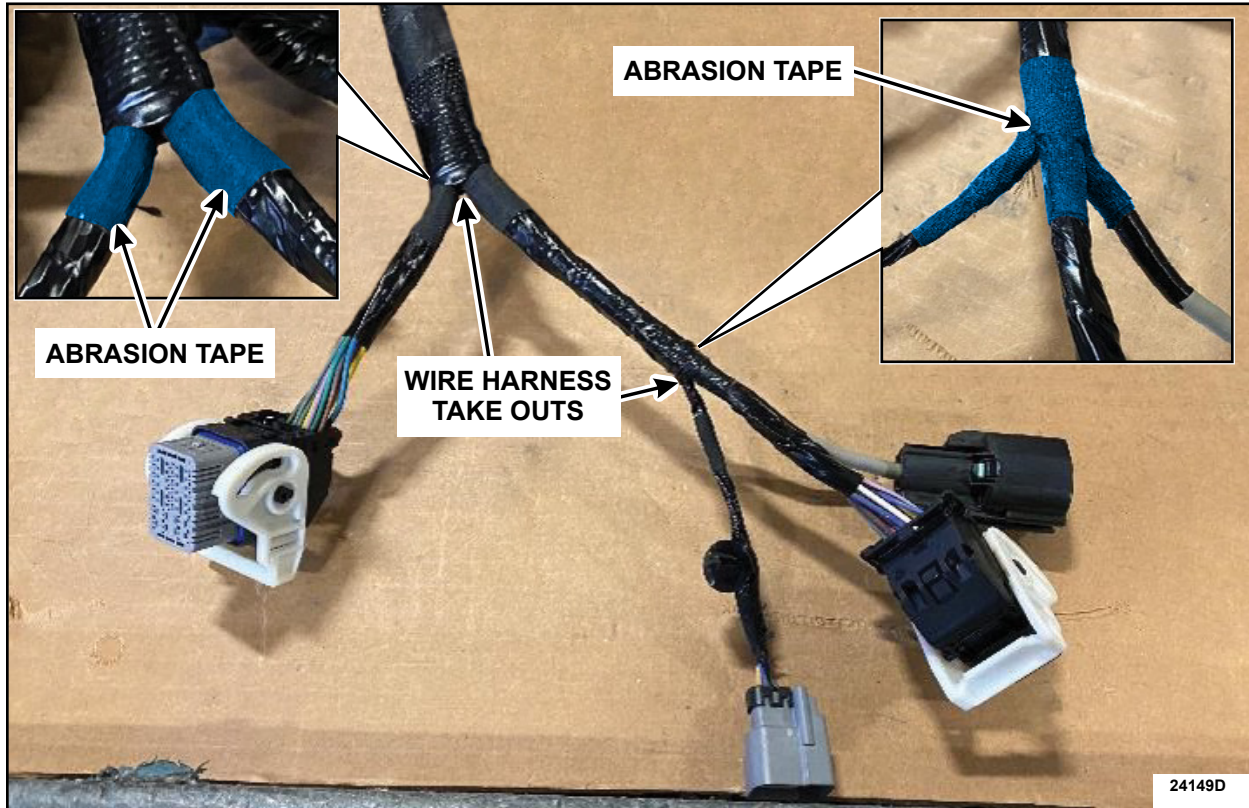


FIGURE 3



5. Apply Coroplast® 837 abrasion tape or equivalent to the wire harness take outs. See Figure 4.

**NOTE:** Wire harness shown outside of the vehicle for clarity.

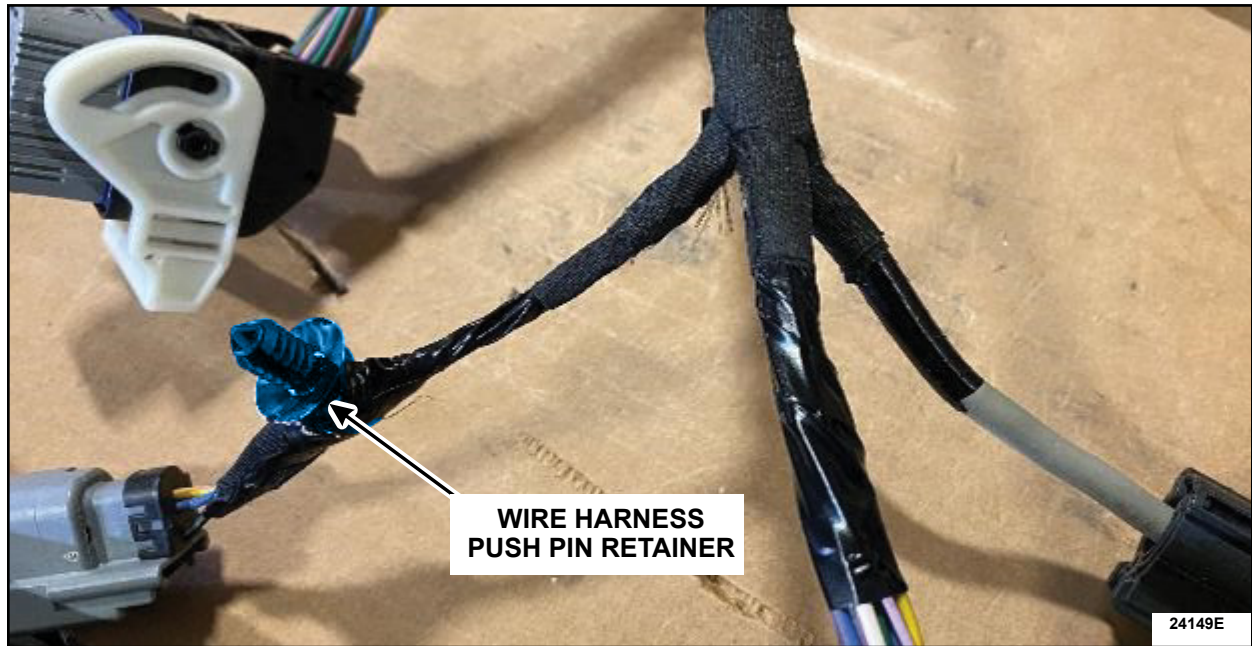


**FIGURE 4**



6. Remove the wire harness push pin retainer. See Figure 5.

**NOTE:** Wire harness shown outside of the vehicle for clarity.



**FIGURE 5**

7. Apply Coroplast® 837 abrasion tape or equivalent to any exposed wiring at the back of each connector. See Figure 6.

**NOTE:** Wire harness shown outside of the vehicle for clarity.



**FIGURE 6**



8. Install the wire harness crush sleeves. See Figure 7.

**NOTE:** Wire harness shown outside of the vehicle for clarity.

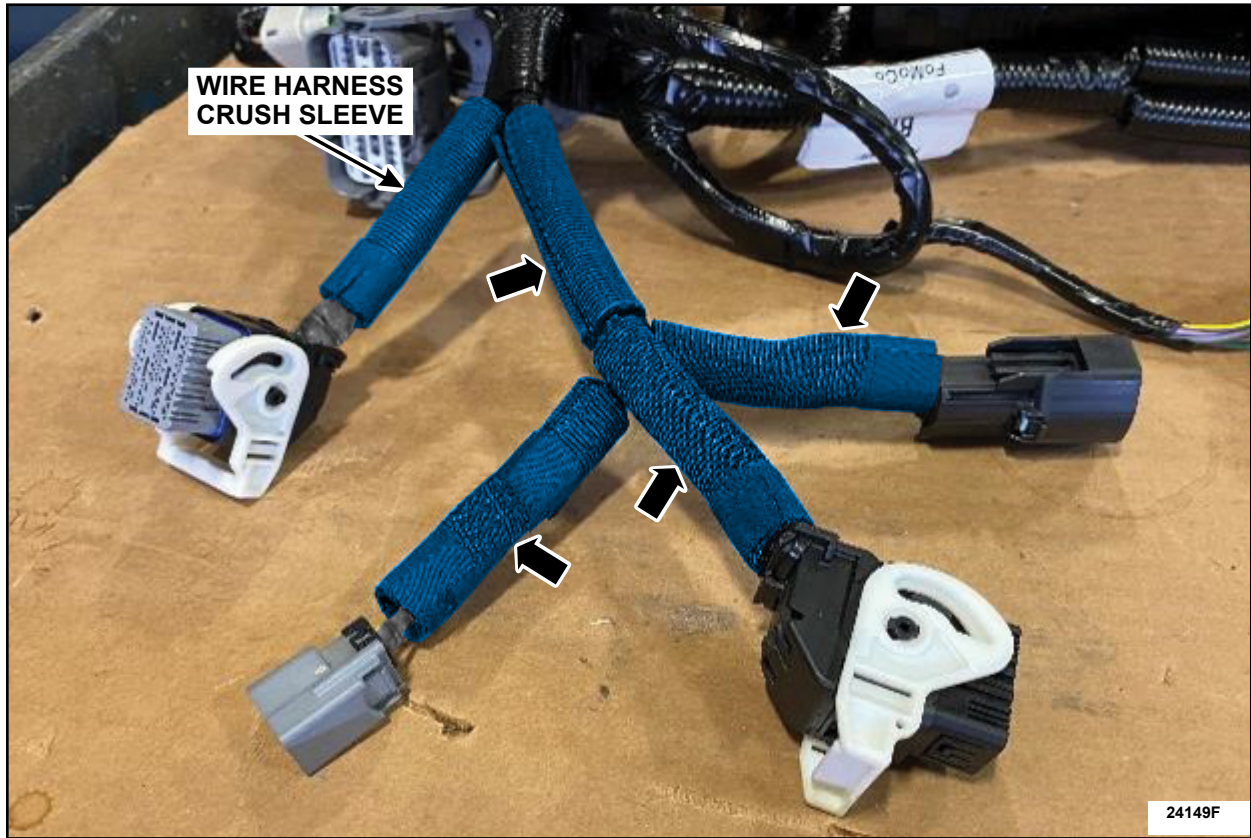
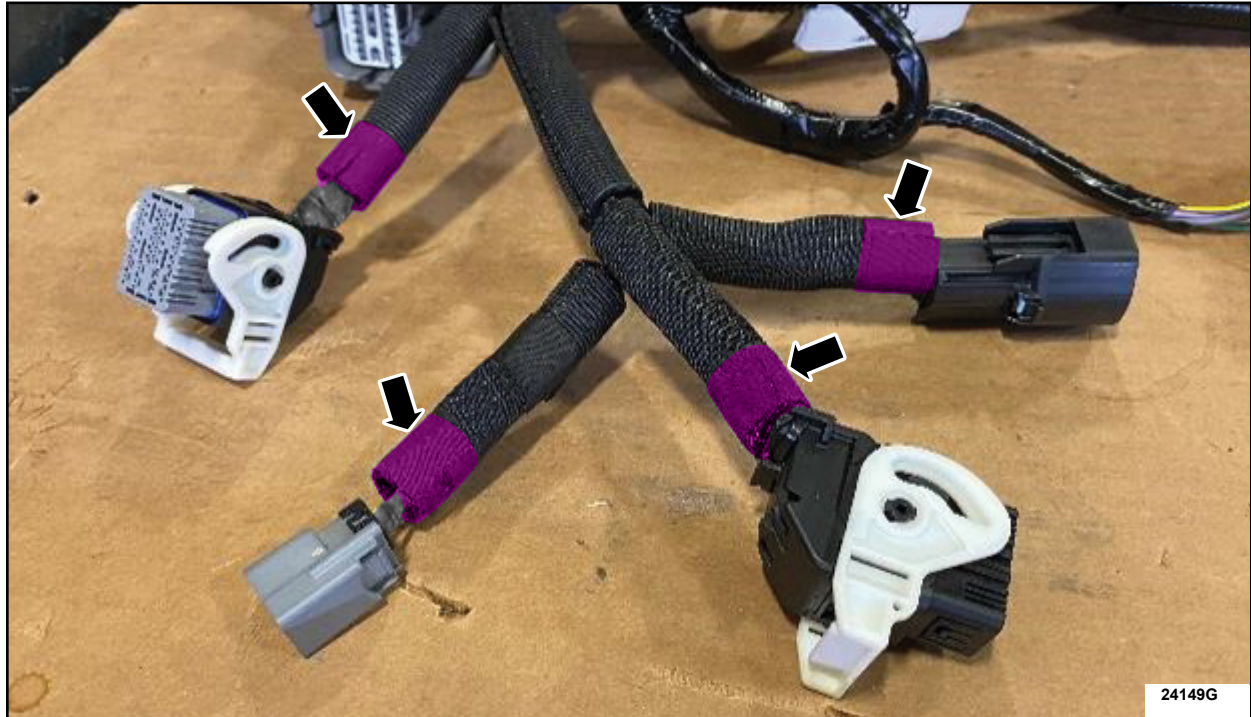


FIGURE 7



9. Secure the wire harness crush sleeve's using Coroplast® 837 abrasion tape or equivalent in the areas shown. See Figure 8.

**NOTE:** Wire harness shown outside of the vehicle for clarity.



**FIGURE 8**

10. Secure the wire harness crush sleeve's at the lower intersection using one continuous piece of Coroplast® 837 abrasion tape or equivalent. The tape should hold the crush sleeve to the harness in these locations. See Figure 9.

**NOTE:** There should be no visible vinyl tape at the wire harness lower intersection.

**NOTE:** Wire harness shown outside of the vehicle for clarity.



**FIGURE 9**



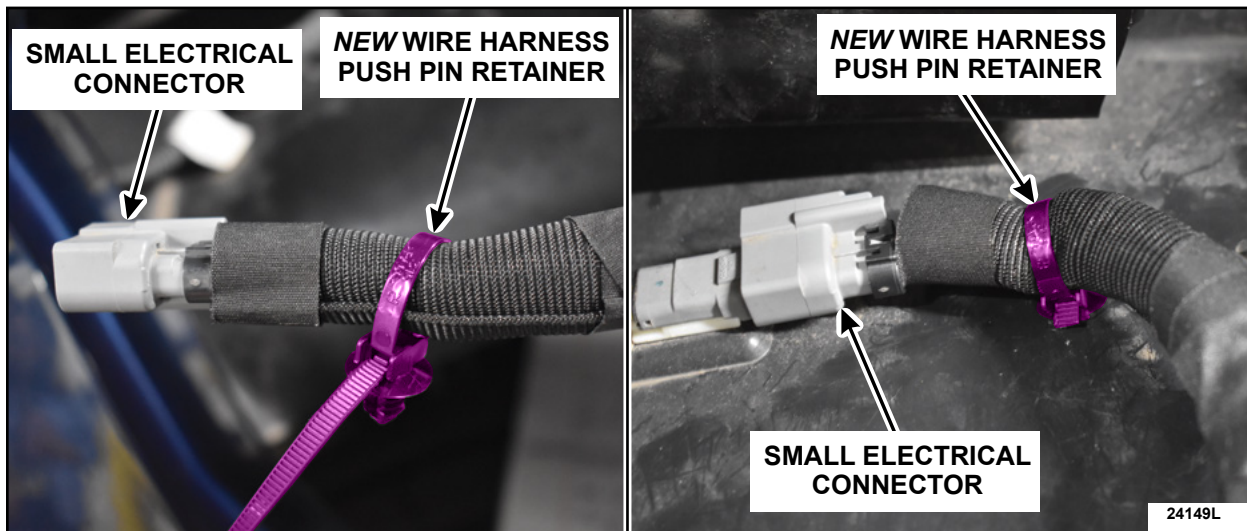
11. Secure the wire harness crush sleeve's with Coroplast® 837 abrasion tape or equivalent at the upper intersection starting on the crush sleeve and ending on the abrasion tape installed on the harness in a prior step. See Figure 10.

**NOTE:** Wire harness shown outside of the vehicle for clarity.



**FIGURE 10**

12. Install the wire harness push pin retainer and connect the electrical connector. See Figure 11.
  - a. Loosely install a new wire harness push pin retainer onto the crush sleeve of the small electrical connector.
  - b. Connect the small electrical connector.
  - c. Insert the push pin retainer into the fender liner.
  - d. Tighten the wire harness push pin retainer and trim any excess tie strap.



**FIGURE 11**



13. Connect the remaining electrical connectors. See Figure 12. This completes the FSA.



FIGURE 12

