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May 4, 2022

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: NEW VEHICLE DEMONSTRATION / DELIVERY HOLD
Safety Recall 22S27
Certain 2020-2022 Model Year Explorer Vehicles
Rear Axle Bolt Fractures

AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
Explorer Police (3.3L Gas & 3.3L FHEV)	2020	Chicago Assembly / Chicago SHO Center	November 10, 2018 through September 27, 2020
Explorer Police (3.3L Gas)	2021		July 24, 2020 through January 31, 2021
Explorer Police (3.3L FHEV)	2021		July 24, 2020 through October 31, 2020
Explorer	2020		October 22, 2018 through September 27, 2020
	2021		June 4, 2020 through November 10, 2021
	2022		July 3, 2021 through March 31, 2022

Affected vehicles are identified in OASIS and FSA VIN Lists.

REASON FOR THIS SAFETY RECALL

In some of the affected vehicles, the rear axle mounting bolt may fracture during vehicle acceleration. A fractured rear axle bolt will allow the rear axle housing to move out of position, resulting in severe noise and vibration. If the rear axle bolt breaks, the driveshaft/half shafts may become disconnected, resulting in loss of transmission torque to the rear wheels which is necessary to hold the vehicle in park. If the parking brake is not applied, the loss of the primary park torque will allow the vehicle to roll in park increasing the risk of crash and injury.

SERVICE ACTION

DO NOT DEMONSTRATE OR DELIVER any new in-stock vehicles involved in this safety recall.

- **Police Units** - The parts required to repair Explorer police units are anticipated to be available by the end of 3rd Quarter 2022. This Dealer Bulletin will be supplemented when parts are available.
- **Non-police Units** - Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to reprogram the PCM to the latest level. This PCM update will engage the electronic parking brake every time the vehicle is shifted into Park (P). An engaged parking

brake will not allow the vehicle to roll. This service must be performed on all affected vehicles at no charge to the vehicle owner.

- **NOTE: Some PCM calibrations are not available at this time. Please monitor the 22S27 landing page for calibration update availability.**

IMPORTANT: Dealers should open a Repair Order (RO) only when a full dealer bulletin is published and parts/calibrations are available.

OWNER NOTIFICATION MAILING SCHEDULE

- **Police Units** - Owner letters are expected to be mailed the week of June 6, 2022. Dealers should advise the customer that parts are not available at this time and a second owner letter will be sent when parts are available.
- **Non-Police Units** – Owner letters are expected to be mailed the week of June 6, 2022. Dealers are to check the Recall Landing page and repair any affected vehicles that arrive at their dealerships if the updated calibration is available, 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 \$21,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

ATTACHMENTS

Attachment I: Administrative Information
Attachment II: Labor Allowances and Parts Ordering Information
Attachment III: Technical Information – PCM Reprogram
Attachment IV: Customer Handout – PCM Reprogram
Owner Notification Letters
Recall Reimbursement Plan

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,



David J. Johnson

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OASIS ACTIVATION

OASIS was activated on April 19, 2022.

FSA VIN LISTS ACTIVATION

FSA VIN Lists have been available through <https://web.fsavinlists.dealerconnection.com> since April 19, 2022. Owner names and addresses will be available by June 24, 2022.

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 dealer for an appointment to have their vehicles remedied as soon as practicable. Owners can continue to safely drive their vehicles.
- 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.

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.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged 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 prior to 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 P.O. Box 6251, Dearborn, MI 48121-6251.

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OWNER REFUNDS - Continued

- 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 rear axle bolt fracture repair.

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 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 prior to completing the repair.

CLAIMS PREPARATION AND SUBMISSION

- **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 22S27 is the sub code.
 - 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 same claim type and sub code as described in Claim Entry above.

IMPORTANT: Click the Related Damage Indicator radio button.

- **Refunds:** Submit refunds on a separate repair line.
 - Program Code: 22S27
 - 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.

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LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Reprogram the PCM to the latest level. (Non-police units ONLY)	22S27B	0.4 Hours

PARTS REQUIREMENTS / ORDERING INFORMATION

Parts are not required to complete this repair.

A parts list required to repair police units will be released in a future supplement.

CERTAIN 2020 - 2022 MODEL YEAR EXPLORER VEHICLES — EQUIPPED WITH A 3 BOLT DIFFERENTIAL HOUSING PCM REPROGRAMMING

SERVICE PROCEDURE

Module Programming

NOTE: Program appropriate vehicle modules before performing diagnostics and clear all DTC's after programming. For DTC's generated after programming, follow normal diagnostic service procedures.

1. Is this vehicle a police unit?

YES - This procedure does not apply.

NO - Proceed to Step 2.

2. Check the 22S27 Landing Page on Professional Technician System (PTS) to confirm that the updated calibration is available for this vehicle before beginning this procedure.

3. Connect a battery charger to the 12V battery.

NOTE: Verify that the negative cable of the charger is installed on a chassis or engine ground, and not the 12 volt 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 VCM is properly connected to the DLC.

4. 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.

5. Click 'Read VIN from Vehicle' or manually enter the VIN.

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

6. Select Toolbox tab.

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

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

9. Click RUN. Follow all on-screen instructions carefully.



10. 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 DTC's in all modules.
13. Disconnect the battery charger from the 12V battery once the programming has completed.
14. Verify the PCM software installation by placing the vehicle in park and visually checking to see if the parking brake lights turn on.

NOTE: For unsold units in new or used vehicle inventory, insert Attachment IV into the Owner's Manual.

NOTE: Advise the customer that is software update changes the electronic parking brake strategy. The parking brake will now engage every time that the vehicle is placed in park (P). Print off Attachment IV and instruct the customer about the changes to the parking brake system.

NOTE: Advise the customer that 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 Vehicle Communication Module II (VCM II)/Vehicle Communication and Measurement Module (VCMM) and 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.
- 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 VCMII or VCMM from the data link connector (DLC) and your PC.
- b. After ten seconds, reconnect the VCMII/VCMM to the DLC and the PC. Launch FDRS. The VCMII/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.



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Rear Axle Bolt Fractures

Please insert this page in your Owner's Manual.

As part of Recall 22S27, your vehicle has received a Powertrain Control Module (PCM) update that affects the parking brake function.

Your vehicle will apply the electronic parking brake (EPB) when the vehicle is shifted into park (P). This will occur when the vehicle is commanded to shift to park (P) by the customer, the driver seatbelt is unbuckled and the left front door is opened, or the ignition is turned off. You may notice the parking brake lamp turns on each time park (P) is selected.

To release the EPB automatically, the following criteria need to be met:

- driver door is closed
- vehicle is shifted to reverse (R) or drive (D)
- accelerator pedal is depressed

Alternatively, the EPB can be manually released by the driver using the parking brake switch once the following criteria are met:

- ignition switch is in the "On" or "Accessory" positions
- brake pedal is depressed

Warning: Always make sure that the EPB is applied and that you have shifted the vehicle into park (P) before exiting the vehicle. Failure to follow this instruction could result in personal injury or death.

Inserte esta página en el Manual del propietario.

Como parte de la Campaña 22S27, su vehículo ha recibido una actualización del módulo de control del tren motriz (PCM) que afecta la función del freno de estacionamiento.

Su vehículo aplicará el freno de estacionamiento electrónico (EPB) cuando cambie a estacionamiento (P). Esto ocurrirá cuando el usuario ordene el cambio a estacionamiento (P), el conductor se desabroche el cinturón de seguridad y se abra la puerta delantera izquierda o se apague el encendido. Podrá observar que la luz del freno de estacionamiento se enciende cada vez que selecciona la posición de estacionamiento (P).

Para liberar automáticamente el EPB, se deben cumplir los siguientes criterios:

- la puerta del conductor está cerrada
- el vehículo se coloca en reversa (R) o manejo (D)
- se presiona el pedal del acelerador

Alternativamente, el conductor puede liberar manualmente el EPB a través del interruptor del freno de estacionamiento, siempre que se cumplan los siguientes criterios:

- el interruptor de encendido está en "Activado" o en "Accesorios"
- se presiona el pedal del freno

Alerta: Siempre asegúrese de que el EPB esté aplicado y que haya cambiado a la posición estacionamiento (P) antes de salir del vehículo. Si no se siguen estas instrucciones se podrían producir lesiones personales o la muerte.

Ford Motor Company
Recall Reimbursement Plan for 22S27

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 from the dealers.

Regarding the specific reimbursement plan for Recall # 22S27, owners who have paid for service to remedy the defect or noncompliance must have had that service performed prior to June 24, 2022. After this date, if repairs related to this recall are performed by a non-Ford repair facility in an emergency situation, 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 2021. 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 noncompliances pursuant to Part 573.6 (c)(8)(i). This plan has not changed since our February 20, 2019 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 period, documentation indicating that the warranty was not honored or the warranty repair did not correct the problem related to the recall.

Failure to submit all of 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.