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TO: All U.S. Ford and Lincoln Dealers

**SUBJECT: NEW VEHICLE DEMONSTRATION / DELIVERY HOLD -
 Safety Recall 19S07 - Supplement #1**

Certain 2011 - 2013 Model Year F-150 Vehicles Equipped With A 6R80 Transmission
 6R80 Sudden Transmission Downshift – Powertrain Control Module Programming

REF : **Customer Satisfaction Program 19N01**

Certain 2011 - 2013 Model Year F-150 and 2012- 2013 Model Year
 Expedition/Navigator Vehicles Equipped With A 6R80 Transmission
 Transmission Molded Leadframe Extended Coverage

New! REASON FOR THIS SUPPLEMENT

DO NOT attempt repair on 2013MY F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines at this time – software is not currently available.

AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
F-150	2011-2013	Dearborn	April 28, 2010 through October 28, 2013
		Kansas City	May 18, 2010 through November 18, 2013

Affected vehicles are identified in OASIS and FSA VIN Lists.

REASON FOR THIS SAFETY RECALL

In some of the affected vehicles, an intermittent Output Shaft Speed Sensor (OSS) failure may result in an unintended downshift into first gear. Depending on vehicle speed at the time of the downshift, an abrupt wheel speed reduction may occur, which could cause the rear tires to slide or lock up until the vehicle speed slows down. This condition could result in a loss of vehicle control, increasing the risk of a crash.

New! SERVICE ACTION

Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to perform the following steps:

- 1. DO NOT attempt repair on 2013 Model Year F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines at this time – software update not available until 2nd Quarter, 2019.***
- Check for available powertrain control module (PCM) software update and reprogram the PCM using IDS Release 112.04 or higher. Some vehicles may already have the latest software.
- 3. If an affected vehicle (including 2013MY F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines), exhibits an illuminated malfunction indicator light (MIL) and/or wrench light in the instrument cluster with diagnostic trouble codes (DTCs) P0720, P0722, P0731 and/or P1500 stored in the PCM, dealers are to refer to Customer Satisfaction Program 19N01.***

NOTE: Ford Technical Assistance Center and SSSC are receiving multiple reports of PCM programming failures for FSA 19S07, most due to misc. battery issues. Before performing module reprogramming, ensure that a battery charger is installed on the vehicle and battery state of charge is being maintained

between 12.6 and 13.5 volts. If module reprogramming fails, refer to the recovery procedure outlined in the Technical Info portion of this FSA.

This service must be performed on all affected vehicles at no charge to the vehicle owner.

OWNER NOTIFICATION MAILING SCHEDULE

Owner letters are expected to be mailed the week of March 4th, 2019. 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 \$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
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 Society (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

**NEW VEHICLE DEMONSTRATION / DELIVERY HOLD -
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OASIS ACTIVATION

OASIS will be activated on February 12, 2019.

FSA VIN LISTS ACTIVATION

FSA VIN Lists will be available through <https://web.fsavinlists.dealerconnection.com> on February 12, 2019. Owner names and addresses will be available by March 19, 2019.

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 if they follow all instructions and warnings contained in the recall notice.
- 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.
- 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.

New! OWNER REFUNDS

- Refunds are not approved for this program. *This program is a PCM software update, which was not previously available to customers. Any refund request for cost associated with 6R80 molded leadframe replacement, with DTCs P0720, P0722, P0731 and/or P1500 stored in the PCM, and present in an IDS session file should refer to Customer Satisfaction Program 19N01.*

RENTAL VEHICLES

Rental vehicles are not approved for this program.

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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.
- *Only related damage for programming PCM software will be approved by the SSSC for this program. All other related damage must be submitted under Customer Satisfaction program 19N01.*
- *Dealers will be requested to upload IDS session files with existing DTCs and PCM part numbers before SSSC approval is provided for claims for related damage. If an affected vehicle has transmission-related concerns and DTCs P0720, P0722, P0731 and/or P1500 are not stored in the PCM, 19N01 does not apply; follow standard workshop manual (WSM) diagnostics.*

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 (19S07) 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.

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New! LABOR ALLOWANCES

Software is not currently available for 2013MY F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines, do not attempt repair at this time.

BATTERY – PCM PROGRAMMING ISSUES: Ford Technical Assistance Center and SSSC are receiving multiple reports of PCM programming failures for FSA 19S07, most due to misc. battery issues. Before performing module reprogramming, ensure that a battery charger is installed on the vehicle and battery state of charge is being maintained between 12.6 and 13.5 volts. If module reprogramming fails, refer to the recovery procedure outlined in the Technical Info portion of this FSA.

Description	Labor Operation	Labor Time
<p>DO NOT attempt repair on 2013MY F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines – labor operation code will cause claim to be rejected.</p> <p>Reprogram the Powertrain Control Module (PCM) using IDS release 112.04 or higher</p>	19S07B	0.3 Hours

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.

PARTS REQUIREMENTS / ORDERING INFORMATION

Parts are not required to complete this repair.

CERTAIN 2011-2013 MODEL YEAR F-150 VEHICLES EQUIPPED WITH A 6R80 TRANSMISSION

6R80 SUDDEN TRANSMISSION DOWNSHIFT — POWERTRAIN CONTROL MODULE PROGRAMMING

NEW ! OVERVIEW

In some of the affected vehicles, an intermittent Output Shaft Speed Sensor (OSS) failure may result in an unintended downshift into first gear. Depending on vehicle speed at the time of the downshift, an abrupt wheel speed reduction may occur, which could cause the rear tires to slide or lock up until the vehicle speed slows down. This condition could result in a loss of vehicle control, increasing the risk of a crash.

⚠ IMPORTANT: *DO NOT attempt repair on 2013 Model Year F-150 vehicles equipped with 3.5L, 5.0L, or 6.2L engines, and 6R80 transmission at this time – software update not available until late 2nd Quarter, 2019.*

If an affected vehicle (including 2013MY F-150 vehicles equipped with 3.5L, 5.0L, and 6.2L engines), exhibits an illuminated malfunction indicator light (MIL) and/or wrench light in the instrument cluster with diagnostic trouble codes (DTCs) P0720, P0722, P0731 and/or P1500 stored in the PCM, dealers are to refer to Customer Satisfaction Program 19N01.

NOTE: Ford Technical Assistance Center and SSSC are receiving multiple reports of PCM programming failures for FSA 19S07, most due to misc. battery issues. Before performing module reprogramming, ensure that a battery charger is installed on the vehicle and battery state of charge is being maintained between 12.6 and 13.5 volts. If module reprogramming fails, refer to the recovery procedure outlined in the Technical Info portion of this FSA.

SERVICE PROCEDURE

Module Reprogramming

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

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

NOTE: Make sure the Integrated Diagnostic Software (IDS) computer does not enter sleep mode during programming.

2. Reprogram the Transmission/Powertrain control module using IDS release 112.04 or higher.

- a. Some vehicles may already have the latest software, as software was released in phases.
- b. Make sure you are connected to the Internet prior to reprogramming.

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.



NOTE: Calibration files may also be obtained at www.motorcraftservice.com.

NOTE: Follow the IDS on-screen instructions to complete the reprogramming procedure.

3. Disconnect the battery charger from the 12V battery once the reprogramming has completed.

Important Information for Module Programming

NOTE: When programming or reprogramming 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 IDS/scan tool to a power source.
- Inspect Vehicle Communication Module (VCM) 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 IDS/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: NEVER DELETE THE ORIGINAL SESSION!

- a. Obtain the original IDS that was used when the programming error occurred during module reprogramming (MR) or programmable module installation (PMI).
- b. Disconnect the VCM from the data link connector (DLC) and the IDS.
- c. Reconnect the VCM to IDS and then connect to the DLC. Once reconnected, the VCM icon should appear in the corner of the IDS screen. If it does not, troubleshoot the IDS to VCM connection.
- d. Locate the original vehicle session when programming failed. This should be the last session used in most cases. If not, use the session created on the date that the programming failed.

NOTE: If the original session is not listed in the previous session list, click the Recycle Bin icon at the lower right of the previous session screen. This loads any deleted sessions and allows you to look through them. Double-click the session to restore it.

- e. Once the session is loaded, the failed process should resume automatically.
- f. If programming does not resume automatically, proceed to the Module Programming menu and select the previously attempted process, PMI or MR.
- g. Follow all on-screen prompts/instructions.
- h. The last screen on the IDS may list additional steps required to complete the programming process. Make sure all applicable steps listed on the screen are followed in order.

