



# TECHNICAL SERVICE BULLETIN

## Intermittent Surge And/Or Hesitation With No DTCs Present

**22-2140**

21 April 2022

This bulletin supersedes 19-2135.

### Model:

**Ford**  
2015-2020 Mustang - Shelby GT350/GT350R

### Summary

This article supersedes TSB 19-2135 to update the applicable model years.

**Issue:** Some 2015-2020 Mustang Shelby GT350/GT350R vehicles may exhibit a hesitation or surge in the vehicle with no diagnostic trouble codes (DTCs) present. This may be accompanied by an inoperative cruise control system. This may be due to a transmission output shaft flange nut that has come loose, allowing the output shaft tone ring to move in relation to the output shaft causing an erroneous signal. To resolve the condition, follow the Service Procedure steps to replace the output shaft flange nut.

**Action:** Follow the Service Procedure steps to correct the condition on vehicles that meet all of the following criteria:

- 2015-2020 Mustang Shelby GT350/GT350R
- The vehicle exhibits a hesitation or surge with no DTCs present

### Parts

| Service Part Number | Quantity  | Description                       | Unit of Issue | Piece Quantity |
|---------------------|-----------|-----------------------------------|---------------|----------------|
| N800594-S101        | 1         | Flange Bolt, M12 x 1.75 x 27 mm   | 4             | 4              |
| FR3Z-4B496-B        | 3         | Bolt And Washer, M10 x 1.5 mm     | 1             | 3              |
| W717822-S439        | 1         | Axle Bolt, M10 x 19 mm            | 4             | 2              |
| 4R3Z-7B340-AA       | 1         | Output Flange Nut                 | 1             | 1              |
| TA-25-B             | As Needed | Motorcraft® Threadlock and Sealer |               |                |

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

**Warranty Status:** Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

### Labor Times

| Description   | Operation No. | Time     |
|---|---------------|----------|
| 2015-2020 Mustang GT350/GT350R: Replace The Transmission Output Shaft Flange Nut (Do Not Use With Any Other Labor Operations) | 222140A       | 1.6 Hrs. |

### Repair/Claim Coding

|                 |       |
|-----------------|-------|
| Causal Part:    | 7B340 |
| Condition Code: | 24    |

## Service Procedure

1. Remove and discard the output shaft flange nut. Refer to Workshop Manual (WSM) Section 308-03B, Transmission Output Shaft Flange, steps 1, 2, and 3.
2. Install a new output shaft flange nut.
3. Reassemble the vehicle. Refer to the output flange installation procedure in WSM, Section 308-03B, Transmission Output Shaft Flange.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.