TECHNICAL SERVICE BULLETIN
Various Concerns With Active Exhaust System - Built On Or Before 28-Aug-2020

21-2011
25 March 2021

Model:

Ford 2020 Mustang

Issue: Some 2020 Mustang GT500 vehicles built on or before 28-Aug-2020 may exhibit various concerns with the active exhaust system. These may include "Drive Mode Not Available" or "Exhaust Mode Not Available" messages, and/or diagnostic trouble codes (DTCs) P26C5, P26C6, P26FE, P2BF9, P2BFB, P26C7, P2BF5, P2BF8, P2BFD, and/or P2BFA. This may be due to pinched wiring or a misaligned bracket where the exhaust actuator mounts. To correct the condition, follow the Service Procedure to make sure that the exhaust is seated correctly.

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

- 2020 Mustang GT500
- Concerns with Active Exhaust System, including but not limited to:
  - Drive Mode Not Available message in the instrument panel cluster (IPC)
  - Exhaust Mode Not Available message in the IPC
  - Diagnostic trouble codes (DTCs) P26C5, P26C6, P26FE, P2BF9, P2BFB, P26C7, P2BF5, P2BF8, P2BFD, and/or P2BFA

NOTE: Part quantity refers to the number of that service part number required, which may be different than the number of individual pieces. Service part numbers contain 1 piece unless otherwise stated. "As Needed" indicates the part is required but the number may vary or is not a whole number; parts can be billed out as non-whole numbers, including less than 1.

Parts

Part Number	Description	Quantity
KR3Z-5230-P	Muffler And Tailpipe Assembly	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
2020 Mustang GT500: Repair Active Exhaust Concerns Following The Service Procedure	MT212011	Actual Time

Repair/Claim Coding

Causal Part:	5230
Condition Code:	07

Service Procedure

1. Are DTCs P26FE or P2BFB present?

(1). Yes - proceed to Step 2.

(2). No - proceed to Step 5.

2. Using the appropriate Ford diagnostic scan tool, access datalogger, and view the PCM Parameter Identifications (PIDs). Monitor the EFCV_A_MON_STAT PID while active commanding the PID EFCV_A_CMD PID. Open the tailpipe actuator in 10% increments until it has reached 100% (fully open). Close the tailpipe actuator in 10% increments until it has reached 0% (fully closed). Does the EVCA_A_MON_STAT PID display a mechanical fault at any point?

(1). Yes - proceed to Step 3.

(2). No - proceed to Step 5.

3. Inspect the bracket on the tailpipe to which the exhaust actuator mounts. Make sure the bracket is mounted properly to the tailpipe by attempting to insert a 1 mm (0.39 in.) feeler gauge at the base of the bracket where it is welded to the tailpipe. Figure 1 shows a bracket that is properly welded. A feeler gauge cannot be inserted between the bracket and the boss to which it is welded. Figure 2 shows a bracket that is improperly welded, leaving room for the feeler gauge to be inserted.

Figure 1

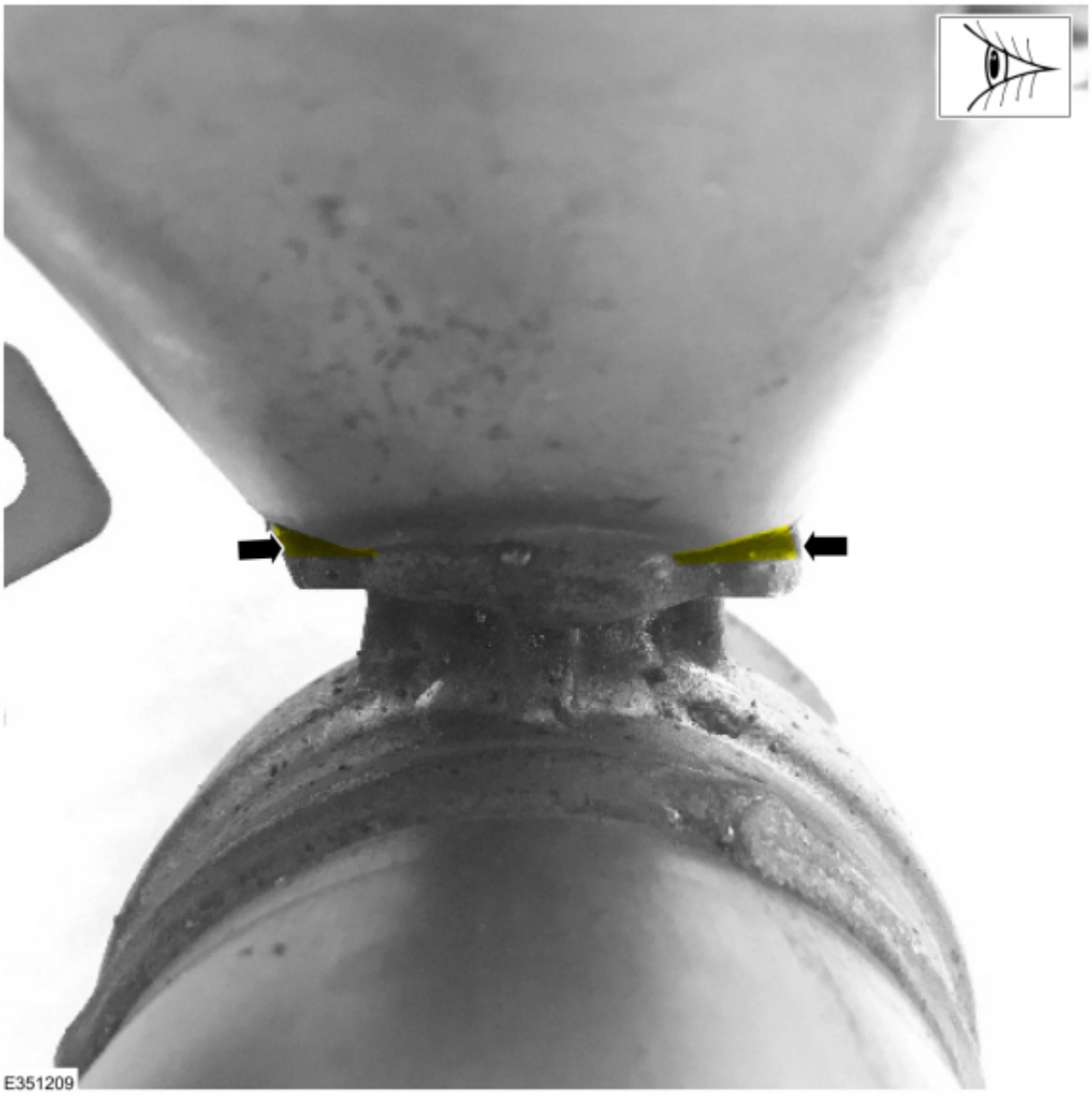


Figure 2

4. If this feeler gauge can be inserted between the bracket and the tailpipe at any point where the bracket and tailpipe meet, replace the muffler and tailpipe.

5. Inspect the muffler and tailpipe for proper position in the exhaust clamps that secure them to the rest of the exhaust system. Make sure the knurled area of the tailpipe meets the exhaust clamp as shown in Figure 3. If the knurled area of the tailpipe does not meet the exhaust clamp as shown in Figure 4, loosen the clamp and shift the muffler and tailpipe forward until the knurled area meets the exhaust clamp.

Figure 3

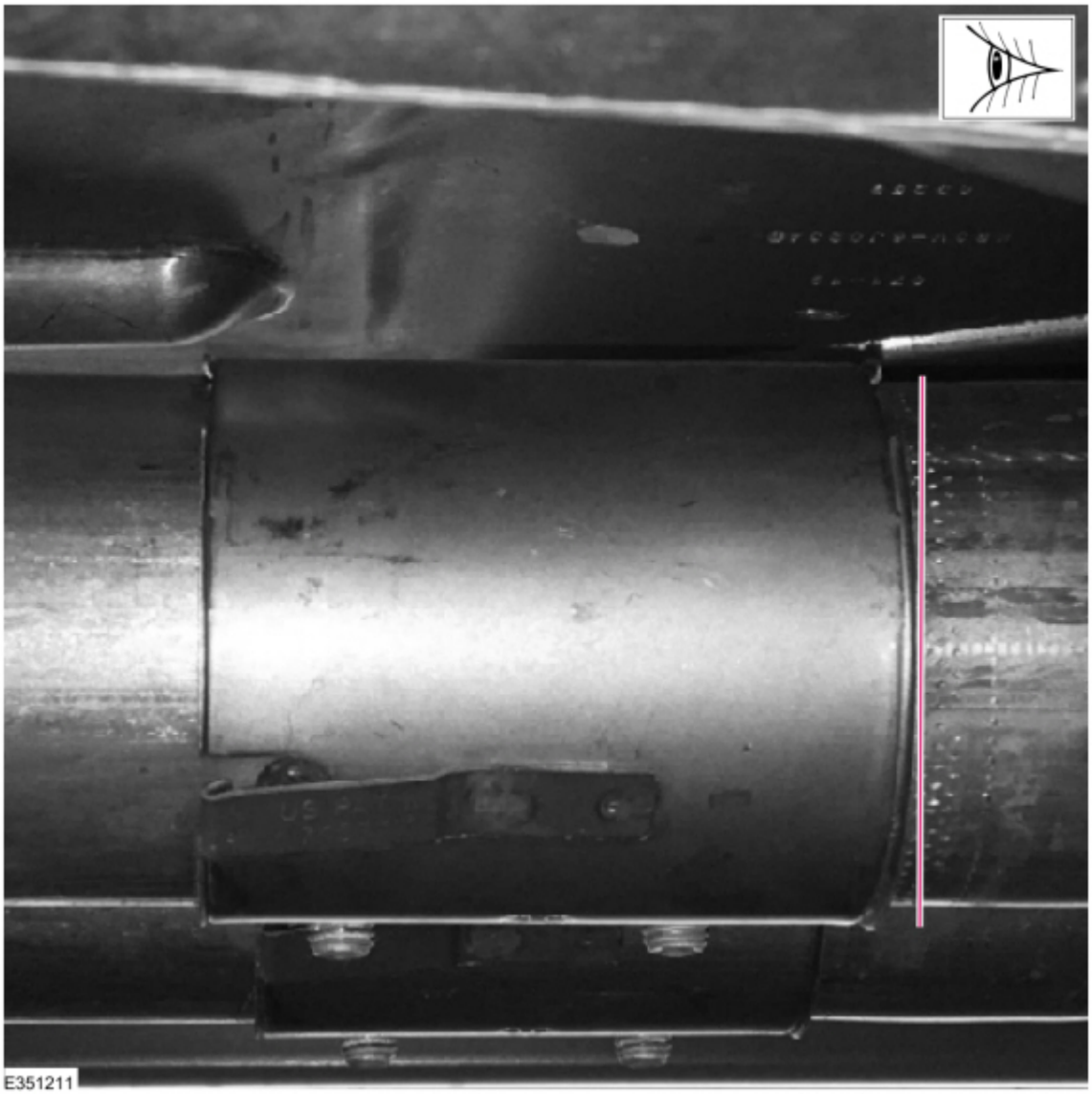
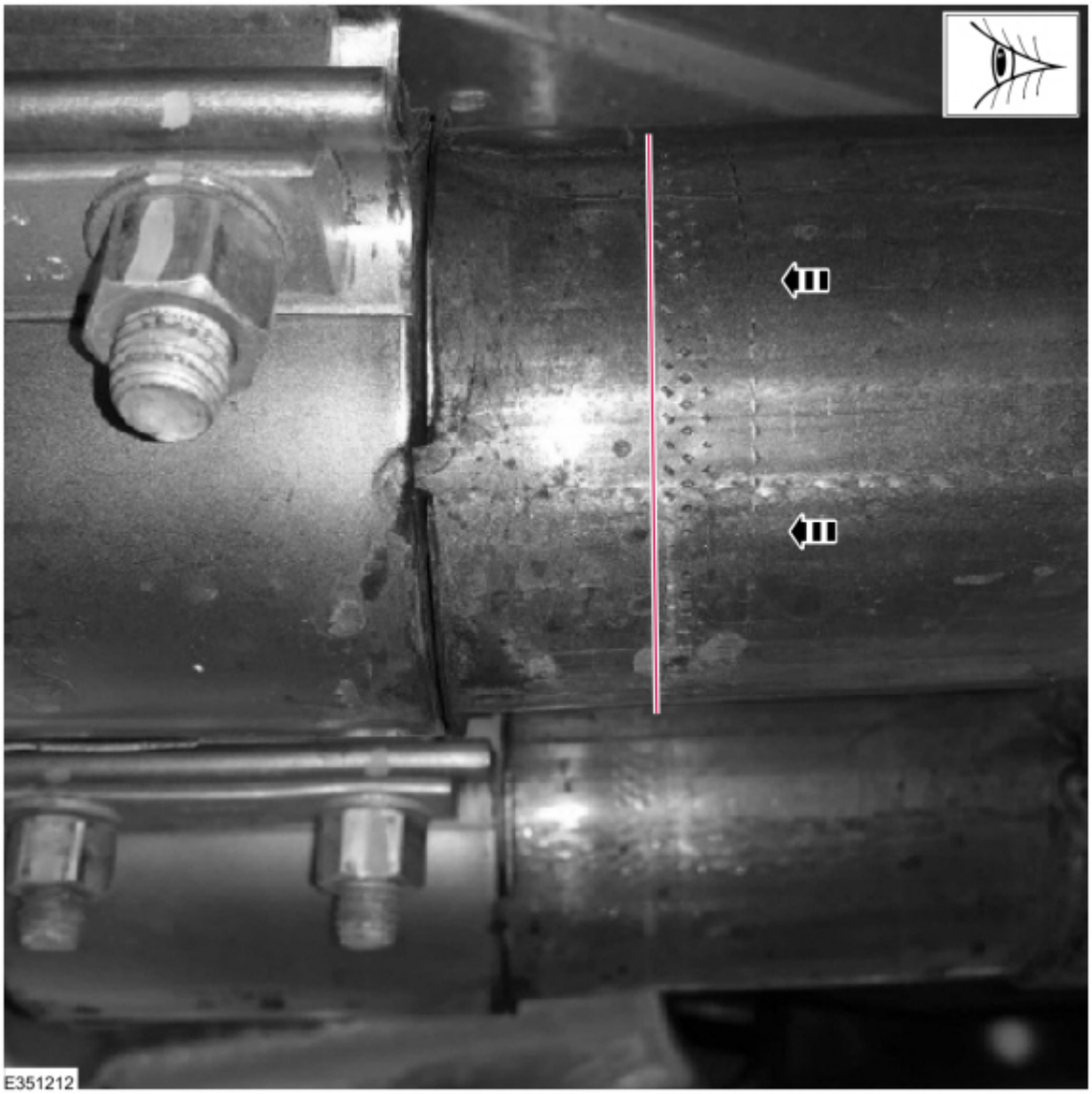
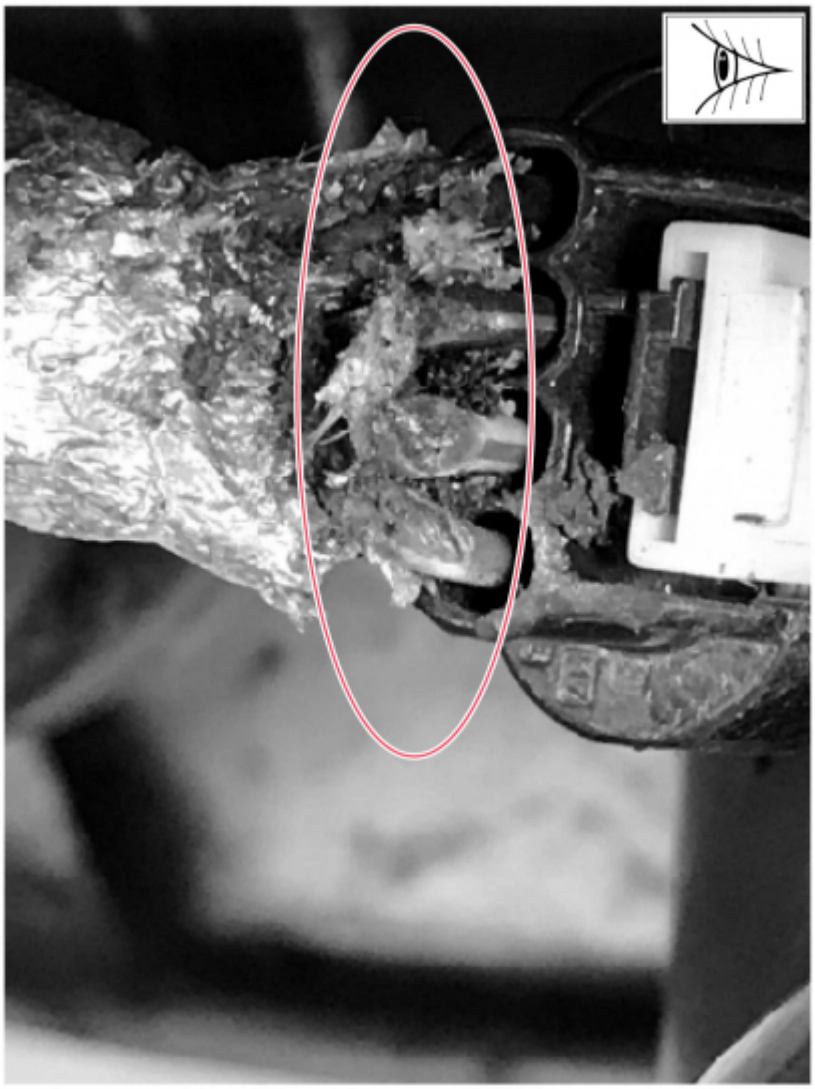


Figure 4



6. Inspect the wiring harness near the area of the tailpipe actuators for signs of damage or chafing as shown in Figure 5. Repair as necessary. Refer to Wiring Diagram, Section 5.

Figure 5



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7. If the concern persists after making these inspections and finding no issues, continue with normal diagnostics. Refer to Workshop Manual (WSM), Section 309-00D.
