TECHNICAL SERVICE BULLETIN
Clatter Noise/Vibration In Reverse At 3-8 MPH (5-13 Km/h) And/Or Illuminated Powertrain Malfunction (Wrench) Indicator

21-2284
30 August 2021

Model:

Ford 2020-2021 Mustang GT500

Issue: Some 2020-2021 Mustang GT500 vehicles may exhibit a clatter noise/vibration in reverse (R) at 3-8 mph (5-13 km/h) and/or an illuminated powertrain malfunction (wrench) indicator with diagnostic trouble codes (DTCs) P175C, P175D, P175E, P0844, P0849 and/or P0874 set in the transmission control module (TCM). This may be due to the software in the TCM. To correct the condition, follow the Service Procedure steps to check the transmission fluid pressure sensor and reprogram the PCM/TCM.

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

- 2020-2021 Mustang GT500
- Illuminated powertrain malfunction (wrench) indicator with DTCs P175C, P175D, P175E, P0844, P0849 and/or P0874
- One or more of the following in reverse (R) between 3-8 mph (5-13 km/h):
  - Clatter noise
  - Vibration

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
2020-2021 Mustang GT500 - Retrieve DTCs, Read TCM PID And Reprogram The PCM And Any Additional Modules Required By The Software Update (Do Not Use With Any Other Labor Operations)	212284A	0.4 Hrs.

Repair/Claim Coding

Causal Part:	7003
Condition Code:	42

Service Procedure

1. Is the vehicle only exhibiting the clatter noise/vibration in reverse (R) at 3-8 mph (5-13 km/h)?

(1). Yes - proceed to Step 4.

(2). No - proceed to Step 2.

2. Were DTCs P0844, P0849 and/or P0874 retrieved from the TCM?

(1). Yes - proceed to Step 3.

(2). No, only DTC P175C, P175D and/or P175E - proceed to Step 4.

3. Using the appropriate Ford diagnostic scan tool, read TCM parameter identification (PID) according to Table 1. Verify the pressure of the transmission fluid pressure sensor measured at engine off is less than the specification shown in Table 1. Is the PID reading less than the specification listed in Table 1?

(1). Yes - proceed to Step 4.

(2). No - refer to the Workshop Manual (WSM) for repairs outside this article. Proceed to Step 4.

Table 1

DTC	PID FDRS	PID IDS	kPA
P0844 / P175C	CLUTCH_A_PRS_RAW	CLTCH_PRES_A	140
P0849 / P175D	CLUTCH_B_PRS_RAW	CLTCH_PRES_B	140
P0874 / P175E	TFPS_C	TFPS_C	300

4. Reprogram the PCM using the latest software level of the appropriate Ford diagnostic scan tool.

(1). The TCM automatically reprograms as part of a PCM coordinated reprogramming.
