

Model:

Ford
2019 F-150
2019 Mustang

**Issue:** Some 2019 Mustang and F-150 vehicles built on or before 8-Jan-2019 and equipped with a 5.0L engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P1289 and/or P017D stored in the powertrain control module (PCM). This may be due to the cylinder head temperature (CHT) sensor. To resolve the condition, replace the CHT sensor.

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

- 2019 Mustang or F-150
- 5.0L engine
- Built on or before 8-Jan-2019
- DTCs P1289 and/or P017D stored in the PCM.

Parts

Part Number	Description	Quantity
JL3Z-6G004-A	Cylinder Head Temperature Sensor	1
W712334-S440	Strut Tower Brace/Cowl Extension Nut (Mustang Only)	4

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2019 Mustang 5.0L: Retrieve DTCs And Replace The CHT (Do Not Use With Any Other Labor Operations)	192049A	1.9 Hrs.
2019 F-150 5.0L: Retrieve DTCs And Replace The CHT (Do Not Use With Any Other Labor Operations)	192049B	0.7 Hrs.

Repair/Claim Coding

Causal Part:	6G004
Condition Code:	42

Tool List For F-150

Drive	Tool Name
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	Power Tool
1/4"	5.5 mm Socket
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	13 mm Socket
	Trim Tool

Tool List For Mustang

Drive	Tool Name
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	Power Tool
1/4"	10 mm Socket
1/4"	13 mm Socket
1/4"	8 mm Swivel Socket
1/4"	6" Extension
3/8"	Ratchet
3/8"	Power Tool
3/8"	Torque Wrench
3/8"	15 mm Deep Socket
3/8"	13 mm Socket
3/8"	Line Disconnect Tool
	Trim Tool
	Two-Leg Puller
	Blow Tip

Service Procedure

1. Replace the CHT sensor. Refer to Workshop Manual (WSM), Section 303-14.