



TECHNICAL SERVICE BULLETIN

5.0L - Chirping Noise From Engine Compartment At Warm Or Hot Idle - Built On Or Before 30-Apr-2019

19-2140

08 May 2019

Model:

Ford
2018-2019 F-150
2018-2019 Mustang

Issue: Some 2018-2019 F-150 and Mustang vehicles equipped with a 5.0L engine built on or before 30-Apr-2019 may exhibit a chirping type noise from the upper engine front cover area at warm or hot idle. This noise may sound similar to a front engine accessory drive (FEAD) chirp noise. This may be due to the primary timing chain tensioner oil pressure relief valve. To correct the condition, follow the Service Procedure steps to replace the primary timing chain tensioners.

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

- 2018-2019 F-150/Mustang
- 5.0L Engine
- Built on or before 30-Apr-2019
- Exhibits a chirping noise from the upper engine front cover area at warm or hot idle

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

Service Part Number	Package Order Quantity	Description
JL3Z-6L266-C	2	Primary Timing Chain Tensioner
BR3Z-6A340-A	1	Crankshaft Bolt
F1VY-8507-A	1	Water Pump O-ring
JL3Z-6584-C	1	Right Valve Cover Gasket
JL3Z-6584-D	1	Left Valve Cover Gasket
BR3Z-6C535-A	4	VCT Seal
HL3Z-6C535-A	8	Spark Plug Seals
JR3Z-9J323-A	1	High Pressure Pump Fuel Tube
FT4Z-9E583-A	1	High Pressure Pump Fuel Pump O-ring
GK2Z-6700-A	1	Front Crank Seal
7T4Z-8590-A	1	Thermostat Housing Gasket

BR3Z-6020-C	1	Front Cover Gasket, Center
BR3Z-6020-B	1	Front Cover Gasket, Left
BR3Z-6020-D	1	Front Cover Gasket, Right
W712334-S440	2	Strut Tower Brace Nuts (Mustang Only)
JR3Z-8620-A	1	A/C Compressor Belt (Mustang Only)
AA5Z-6714-A	1	Oil Filter
ZC-30-A	As Needed	Motorcraft® Gasket Remover
ZC-31B	As Needed	Motorcraft® Metal Surface Prep Wipes
TA-30	As Needed	Motorcraft® Silicone Gasket and Sealant
XO-5W20-Q1SP	As Needed	Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)
CXO-5W20-LSP6	As Needed	Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada Only)
VC-3-B	As Needed	Motorcraft® Orange Concentrated Antifreeze/Coolant (All Markets Except Canada)
CVC-3-B2	As Needed	Motorcraft® Orange Concentrated Antifreeze/Coolant (Canada Only)
VC-13-G	As Needed	Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)
CVC-13-G	As Needed	Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)

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

Labor Times

Description	Operation No.	Time
2018-2019 F-150 5.0L: Diagnose And Replace Both Primary Timing Chain Tensioners (Do Not Use With Any Other Labor Operations)	192140A	8.4 Hrs.
2018-2019 Mustang 5.0L: Diagnose And Replace Both Primary Timing Chain Tensioners (Do Not Use With Any Other Labor Operations)	192140B	8.5 Hrs.

Repair/Claim Coding

Causal Part:	6L266
Condition Code:	42

Service Procedure

- Remove the FEAD belt and the air conditioning (A/C) compressor belt and start the engine. Refer to the Workshop Manual (WSM), Section 303-05. Is the noise still present?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to WSM, Section 303-05D.
- Replace both primary timing chain tensioners. Refer to WSM, Section 303-01.

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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.