



## TECHNICAL SERVICE BULLETIN

### 3.5L EcoBoost - Rattle Type Noise from Engine Compartment Under Various Operating Conditions

**20-2016**13 February  
2020**Model:**

<b>Ford</b> 2017 F-150	Engine: 3.5L EcoBoost
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**Issue:** Some 2017 F-150 vehicles equipped with a 3.5L EcoBoost engine may exhibit a rattle type noise from the engine compartment under various operating conditions. This noise may be due to excessive play in the turbocharger wastegate linkage. To correct the condition, follow the Service Procedure to install the wastegate linkage spring kit.

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

- 2017 F-150
- 3.5L EcoBoost engine
- Customer concern of rattle type noise from the engine compartment under various operating conditions

**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.

**Parts**

Part Number	Description	Quantity
HL3Z-9G488-C	1 Kit Required Per Actuator Spring Washer Kit	2

**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
2017 F-150 3.5L EcoBoost: Install A Spring Washer Kit On Both (2) Actuators Following The Service Procedure (Do Not Use With Any Other Labor Operations)	202016A	1.9 Hrs.

**Repair/Claim Coding**

Causal Part:	6K682
Condition Code:	33

**Service Procedure**

**NOTE:** Perform the repair on both turbocharger wastegate control actuators.

1. Disconnect the question mark bracket from the wastegate control actuator. Refer to the Workshop Manual (WSM), Section 303-04F.
2. Remove the lever arm e-clip.
3. Disconnect the dog bone and question mark assembly from the turbocharger.
4. Remove the e-clip to separate the question mark and dog bone.

5. Install the spring with the curved end toward the dog bone.
6. Assemble the dog bone, spring, and question mark bracket together and fasten with the e-clip.
7. Install the dog bone, spring, and question mark bracket assembly onto the turbocharger.
8. Install the e-clip. The e-clip should be sitting next to the spring.
9. Connect the question mark bracket to the wastegate control actuator and adjust the linkage. Refer to the WSM, Section 303-04F.

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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.