



## TECHNICAL SERVICE BULLETIN

### 6.7L - Lack Of Power And/Or Illuminated MIL With Only DTC P0299

19-2143

08 May 2019

**Model:**

<b>Ford</b> 2011-2016 F-Super Duty
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**Issue:** Some 2011-2016 F-Super Duty vehicles equipped with a 6.7L diesel engine may exhibit a lack of power and/or illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P0299 in the powertrain control module (PCM). This may be due to the charge air cooler (CAC) outlet tube assembly becoming disconnected at the throttle body or a separation at the CAC tube crimp clamp. To resolve this concern, follow the Service Procedure steps to replace the CAC outlet tube assembly.

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

- 2011-2016 F-Super Duty
- 6.7L diesel engine
- Lack of power and/or only DTC P0299 setting in the PCM

**Parts**

Part Number	Description	Quantity
BC3Z-6F073-D	CAC Outlet (Upper And Lower) Tube Assembly	1

**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
2011-2016 F-Super Duty 6.7L: Retrieve DTCs And Replace The CAC Outlet Tube Assembly (Do Not Use With Any Other Labor Operations)	192143A	0.4 Hrs.

**Repair/Claim Coding**

Causal Part:	6F073
Condition Code:	01

**Tool List**

Drive	Tool Name
1/4"	Power tool
1/4"	Ratchet
1/4"	Torque wrench
1/4"	12" extension

1/4"	8 mm socket
1/4"	11 mm socket
	Medium flathead screwdriver
	Pry bar

## Service Procedure

1. Replace the CAC outlet tube assembly. (Figures 1-2)

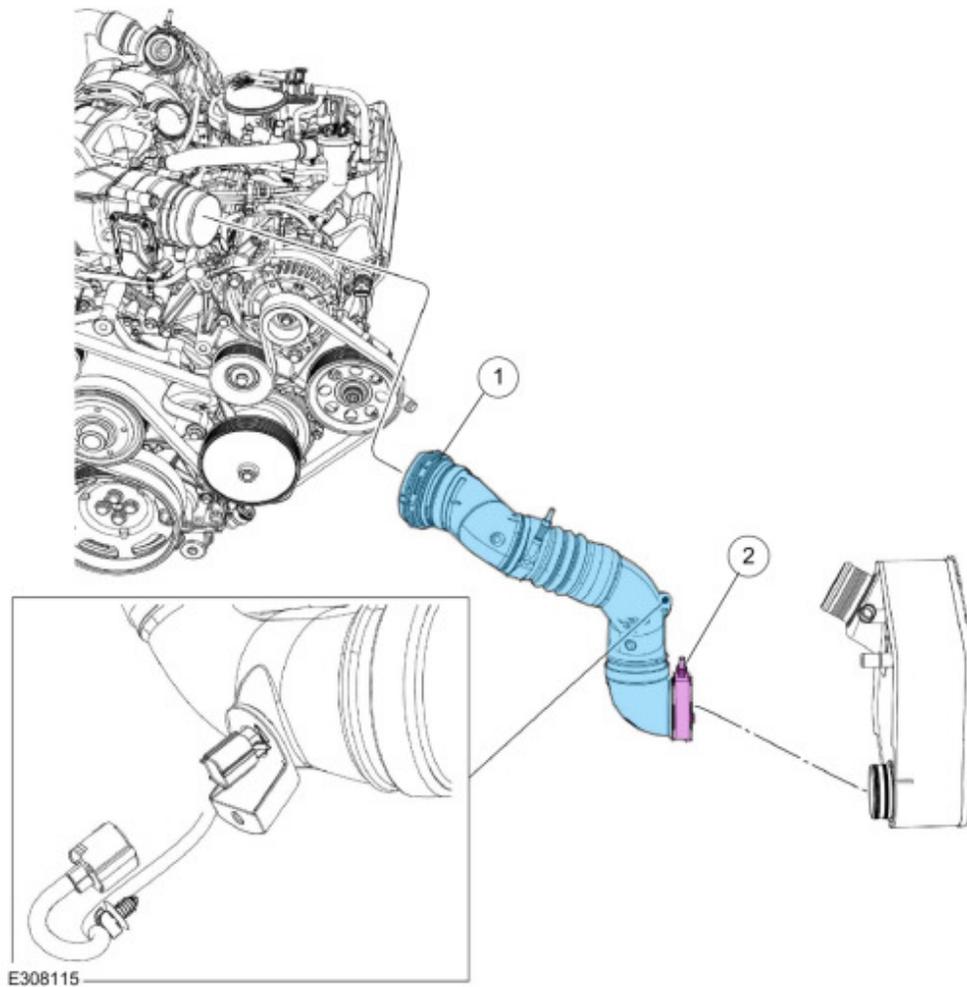
**NOTE: The replacement CAC outlet tube assembly comes as one piece and is replaced as one piece.**

- (1). Disconnect the end of the CAC outlet (upper) tube (Figure 2 Callout 1) from the throttle body.
- (2). Loosen the clamp (Figure 2 Callout 2) and disconnect the CAC outlet (lower) tube from the CAC.
- (3). Discard the old CAC outlet tube assembly and install the new CAC outlet tube assembly. To install, reverse the removal procedure.
- (4). Tighten the CAC outlet (lower) tube clamp to the CAC as shown on Figure 2 Callout 2 to 9 Nm (80 lb-in).
- (5). Connect the CAC outlet (upper) tube to the throttle body by pressing the end of the tube into the front of the throttle body until a click is heard.

Figure 1



Figure 2



Item	Description
1	CAC outlet (upper) tube
2	Clamp

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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.