



U.S. Department of Transportation  
National Highway Traffic Safety Administration

# ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



**Investigation:** PE24000  
**Prompted By:** VOQ and EWR Field Report Review  
**Date Opened:** 01/08/2024  
**Investigator:** Arnaldo Torres Diaz      **Reviewer:** Bruce York-b  
**Approver:** Tanya Topka  
**Subject:** Low Pressure Fuel Pump Assembly Failure

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** Chrysler (FCA US, LLC)  
**Products:** 2017-2018 Alfa Romeo GIULIA  
**Population:** 22,000 (Estimated)

**Problem Description:** Low pressure fuel pump assembly failure leading to stall/loss of motive power.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
<b>All Incidents:</b>	12	0	0	0	12	CONF
<b>Crashes/Fires:</b>	1	0	0	0	1	0
<b>Injury Incidents:</b>	0	0	0	0	0	0
<b>Number of Injuries:</b>	0	0	0	0	0	0
<b>Fatality Incidents:</b>	0	0	0	0	0	0
<b>Number of Fatalities:</b>	0	0	0	0	0	0

**Description of Other:** EWR Field Reports

## ACTION/SUMMARY INFORMATION

**Action:** A Preliminary Evaluation has been opened.

**Summary:**

The Office of Defects Investigation (ODI) has received 12 complaints and multiple field reports alleging incidents of stall/loss of motive power as a result of low-pressure fuel pump failures in certain 2017-2018 model year (MY) Alfa Romeo Giulia equipped with 4 cylinder 2.0L and 6 cylinder 2.9L turbocharged engines.

Based on an analysis of the complaints and field reports, ODI has found that most of the reported loss of motive power incident allegations occurred at speeds above 25 MPH and resulted in permanent disablement of the vehicle. One (1) complaint reported a minor crash incident attributed to the loss of motive power due to fuel pump failure. Other complaints reported the fuel pump failed, was repaired and the fuel pump failed a

second time. During discussions with the manufacturer, ODI learned that in January 2018, they released a Technical Service Bulletin (TSB) #18-001-18 announcing to its service dealers a remedy for vehicles who experiences a diagnostic trouble code (DTC) P008A-Low Pressure Fuel System Pressure- Too Low. The remedy includes inspection of the fuel pump module and replacement, if necessary.

A Preliminary Evaluation has been opened to assess the scope, frequency, root cause(s) and consequences of these loss/stall of motive power incidents. Additionally, ODI may expand the scope of the subject population during the investigation, if needed. To review the ODI reports cited in the Opening Resume ODI Report Identification Number document, go to [NHTSA.gov](http://NHTSA.gov).



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## OPENING RESUME ODI REPORT IDENTIFICATION NUMBERS

**Investigation ID:** PE24000  
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**Subject:** Low Pressure Fuel Pump Assembly Failure

### List of 12 ODI Report reference numbers:

11331256, 11339955, 11352684, 11422191, 11461341, 11485890, 11518066, 11532278, 11535664, 11535748,  
11539483, 11556375



**NUMBER:** 18-001-18

**GROUP:** 18 - Vehicle Performance

**DATE:** January 4, 2018

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**THE wiTECH 2 SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.**

**SUBJECT:**

P008A Low Pressure Fuel System Pressure - Too Low

**OVERVIEW:**

This bulletin involves replacing the fuel pump if required.

**MODELS:**

2017-2018 (GA) Alfa Romeo Giulia

**NOTE:** This bulletin applies to vehicles within the following markets/countries: NAFTA.

**NOTE:** This bulletin applies to vehicles built on or before August 30, 2017 (MDH 0830XX) equipped with a 2.9L 505HP V6 Bi-Turbo Engine (Sales Code EED) or equipped with a 2.0L 280HP I4 DI Turbo Engine (Sales Code EC2).

**SYMPTOM/CONDITION:**

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, the technician may find the following Diagnostic Trouble Code (DTC) has been set:

- P008A-00 - Low Pressure Fuel System Pressure - Too Low.

**DIAGNOSIS:**

Using a Scan Tool (wiTECH 2) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If any DTCs or symptom conditions, other than the one listed above is present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

**NOTE:** DTC P008A00 can be set if the vehicle ran out of fuel and this bulletin should not be performed for that reason. Check with the customer and see if the vehicle ran out of fuel at the same time the MIL turned on.

If the customer describes the symptom/condition listed or if the technician finds the DTC, perform the Repair Procedure.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1	68408467AA	Module, Fuel Pump (U.S. and Canadian Vehicles)
1	68408468AA	Module, Fuel Pump (Mexican Vehicles)
1	68079799AA	O-Ring, Fuel Tank (All Vehicles)

**REPAIR PROCEDURE:**

**NOTE: If the vehicle has a 2.9L engine (Sales Code EED) check if the Body Control Module (BCM) is programed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the BCM software. Only replace the fuel pump if the BCM software is up to date or the DTC P008A-00 resets after the BCM was updated.**

1. Drain the fuel tank.
2. Replace the fuel pump module. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 14 - Fuel System/Fuel Delivery/Module, Fuel Pump/Removal and Installation.
3. Put fuel back into the tank.
4. Using the scan tool (wiTECH 2) perform "Fuel Supply System Components Replacement". This procedure can be found under the Misc, Function Tab.
5. Using the scan tool (wiTECH 2) perform "Self-Adaptive Parameters Reset". This procedure can be found under the System Test Tab.
6. Using the scan tool (wiTECH 2) clear all DTCs that may have been set while performing this procedure.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
14-50-01-9F	Module, Fuel Pump - Replace (2.0L Engine Only (2 - Skilled)	1 - Engine Repair and Performance	1.2 Hrs
14-50-01-9G	Module, Fuel Pump - Replace (2.9L Engine Only (2 - Skilled)	1 - Engine Repair and Performance	1.3 Hrs

**FAILURE CODE:**

ZZ	Service Action
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