



# Technical Service Bulletin

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<b>Technical Service Bulletin:</b> TSB190114	<b>Released Date:</b> 08-Jul-2019
<b>Shortened Suction Side Fuel Filter Life: Fault Code 559</b>	

## Shortened Suction Side Fuel Filter Life: Fault Code 559

### Warranty Statement

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The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

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#### Product Affected

- X15 CM2350 X116B – Performance Series

#### Issue

Symptom:

- Customer repeatedly experiences plugged suction side fuel filter prior to required maintenance interval. See X15 CM2350 X116B Operation and Maintenance Manual, Bulletin 5411187. Refer to Procedure 359-008 (</qs3/pubsys2/xml/en/procedures/453/453-359-008.html>) in Section 3 for fuel filter maintenance interval.
- FC 559 or low power complaint resolved by replacement of suction side fuel filter.
- Measured high fuel inlet restriction.

Root Cause:

- Suction side fuel filter plugging

#### Verification

- Confirm suction side fuel filter is plugged. See X15 CM2350 X116B Service Manual, Bulletin 5411186. Refer to Procedure 006-020 in Section 6

(/qs3/pubsys2/xml/en/procedures/453/453-006-020.html)to measure suction side fuel filter restriction.

- Confirm suction side fuel filter is a 10 micron fuel filter. Reference Table 1 below for corresponding fuel filter part number and suction side fuel filter micron rating.
- Confirm pressure side fuel filter restriction is within specification. Perform pressure side fuel filter restriction test. See X15 CM2350 X116B Service Manual, Bulletin 5411186. Refer to Procedure 005-236 (/qs3/pubsys2/xml/en/procedures/453/453-005-236.html)in Section 5 to measure pressure side fuel filter restriction.

## Resolution

New 30 micron suction side fuel filter options for units repeatedly experiencing short suction side fuel filter life are available. 30 micron filter options offer adequate protection to the fuel system while extending suction side fuel filter life. See Table 1 below.

## Customer Communication

Verify correct pressure side fuel filter is installed. Pressure side fuel filter, Part Number FF5825NN, **must** be used when utilizing a 30 micron suction side fuel filter. See X15 CM2350 X116B Owner and Operator Manual, Bulletin 5411186. Refer to Procedure 006-065 (/qs3/pubsys2/xml/en/procedures/453/453-006-065.html) in Section 6 for proper pressure side fuel filter specification.

## Service Instructions

Table 1, Service Parts			
Suction Side Filter Housing	Existing Suction Side Fuel Filter (10 Micron) Part Number	New Suction Side Fuel Filter (30 Micron) Part Number	Pressure Side Fuel Filter Part Number
Standard PACCAR Housing	PACCAR K37-1029	PACCAR K37-1012	FF5825NN
	FLEETGUARD® FS20172	FLEETGUARD® FS20173	FF5825NN
Davco 382 / FH 230	FLEETGUARD® FS19727	FLEETGUARD® FS19729	FF5825NN
Davco 382 / FH 230 – Plus Size	FLEETGUARD® FS19764	FLEETGUARD® FS19905G	FF5825NN
Davco 483	FLEETGUARD® FS20139	FLEETGUARD® FS20140	FF5825NN

Table 1, Service Parts			
Suction Side Filter Housing	Existing Suction Side Fuel Filter (10 Micron) Part Number	New Suction Side Fuel Filter (30 Micron) Part Number	Pressure Side Fuel Filter Part Number
Western Star	FLEETGUARD® FS19551	FLEETGUARD® FS19532	FF5825NN

### Service Parts Availability

If a part number is **not** referenced in Table 1 above, contact local Cummins Inc. representative for assistance in obtaining proper 30 micron fuel filter part number.

## Document History

Date	Details
2019-6-27	Module Created

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**Last Modified: 08-Jul-2019**

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