



Technical Service Bulletin: TSB210203

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Shortened Suction Side Fuel Filter Life: Fault Code 559

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### Warranty Statement

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

### Contents

#### Product Affected

- B6.7 CM2350 B121B
- B6.7 CM2450 B155B
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L123B
- L9 CM2450 L126B
- L9 CM2450 L169B

#### Issue

Symptom:

- Repeated plugging of suction side fuel filter prior to required maintenance interval. See corresponding Operation and Maintenance Manual, Bulletin 5613076. Reference Procedure 359-008 in Section 3 for fuel filter maintenance interval.

Root Cause:

- Suction side fuel filter plugging

#### Verification

- Confirm suction side fuel filter is plugged. See corresponding Service Manual. Reference Procedure 006-020 in Section 6 to measure suction side fuel filter restriction.
- Confirm suction side fuel filter is a 10-micron fuel filter. Reference Table 1 for corresponding fuel filter part number.

- Confirm pressure side fuel filter restriction is within specification. Perform pressure side fuel filter restriction test. See corresponding Service Manual. Reference Procedure 005-236 in Section 5 to measure pressure side fuel filter restriction.
- Verify that there are no issues related to storage tanks, fuel quality, or the high bio-content in the fuel used by the customer. See corresponding Fluids for Cummins® Products Service Manual, Bulletin 5411406. Reference Section 1 Diesel Fuel.
- One significant concern to the fuel system is corrosion, which can be driven by inadequate daily fuel water separator drain maintenance or prolonged operation with FC418/FC1852. This risk can be mitigated if the customer adheres to a daily water drain schedule. See corresponding Operation and Maintenance Manual, Bulletin 5613076 Reference Procedure 006-043 in Section 2 Fuel Water Separator.

### Resolution

- New suction side fuel filter options for units repeatedly experiencing short suction side fuel filter life are available. New filter options offer adequate protection to the fuel system while extending suction side fuel filter life. See Table 1.
- If unit is an International Motors® vehicle, follow iKnow article IK1500093 for better references and recommendations.

### Service Instructions

Verify correct pressure side fuel filter is installed. Pressure side fuel filter, Part Number FF63041 NN, **must** be used when utilizing a new suction side fuel filter. Install the appropriate 25 or 30 micron Suction Side (Stage 1) fuel filter for the existing filter housing using Table 1.

### Service Parts Availability

Table 1, Service Parts			
Suction Side Filter Housing	Existing Stage 1 Fuel Filter Part Number (10um)	New Stage 1 Part Number (25 or 30um)	Pressure Side Part Number (no change)
Fleetguard®	Fleetguard®	Fleetguard®	FF63041 NN
FS90394	5528103	5682805 FS19732 - 3973233	
FS90395	FS19596 - 3954981		
FS90396	FS1003 - 4070601		
Fleetguard®	Racor	Racor	FF63041NN
FS20028	R90T	R90P	
FS20288	R90T	R90P	
Davco	Davco	Davco	FF63041 NN
DP243	FS20081	FS19728	
DP245	FS20081	FS19728	

Table 1, Service Parts			
Suction Side Filter Housing	Existing Stage 1 Fuel Filter Part Number (10um)	New Stage 1 Part Number (25 or 30um)	Pressure Side Part Number (no change)
Racor	Racor	Racor	FF63041 NN
445R	R45T	R45P	
460R	R60T	R60P	
490R	R90T	R90P	
4125R	R125T	R125P	
4120R	R120T	R120P	
<b>Note :</b> If a part number is not referenced in Table 1, contact local Cummins Inc. representative or OEM for assistance in obtaining correct suction side fuel filter part number.			

Document History

Date	Details
2021-9-17	Module Created
2024-2-29	Updated Table 1.
2024-12-9	Removed PACCAR suction side fuel filter from Table 1 as it was not compatible.
2025-2-6	Updated Product Affected and Table 1.
2025-2-27	Updated Product Affected, Verification, Resolution, and Table 1.