



359-006 Aftertreatment Diesel Particulate Filter Intervals

General Information

Options for aftertreatment diesel particulate filter (DPF) maintenance intervals:

- Extended maintenance interval - The maintenance lamp and DPF maintenance fault code will indicate the DPF is ash loaded. The DPF maintenance fault code is described in Table 1. **Not** all engine control module (ECM) calibration revisions support this feature. See Table 2 for maintenance lamp compatibility and maintenance interval identification. Use the following procedure for maintenance lamp behavior descriptions. [Refer to Procedure 101-048 in Section 1.](#)
- Scheduled maintenance interval - This is based on engine serial number (ESN), ECM calibration revision, and fuel consumption.

Ash accumulation is variable based on many duty cycle factors. To optimize maintenance cost, it is recommended to use the maintenance lamp as an indicator for DPF maintenance. When using the maintenance lamp, it is normal for the maintenance intervals to exceed the intervals specified in Table 2.

NOTE: The maintenance lamp for aftertreatment DPF is not a user selectable feature or parameter in INSITE™ electronic service tool.

The following conditions require more frequent DPF maintenance than listed in Table 2:

- Use of engine lubricating oil that does **not** meet API CJ-4. [Refer to Procedure 018-003 in Section V.](#)
- Frequent or extended use of engine brakes
- Extended idle.

Table 1: Maintenance Fault Code

Maintenance Item	Cummins® Fault Code Number	Fault Code Description
Aftertreatment DPF	5383	Aftertreatment 1 Diesel Particulate Filter Ash Load Percent - Data Valid But Above Normal Operating Range - Least Severe Level. The aftertreatment DPF requires cleaning or replacement.

Use Table 2 to determine the following:

- Maintenance lamp capability based ESN and ECM calibration revision
- Scheduled maintenance intervals based on fuel consumption.

If calibration revision is unknown and access to INSITE™ electronic serve tool and/or QuickServe™ Online is **not** available, contact a Cummins® Authorized Repair Location to determine the ECM calibration revision. Determining the ECM calibration revision may require bringing the vehicle to a Cummins® Authorized Repair Location.

Use the following procedure for locating the ESN on the engine dataplate. [Refer to Procedure 100-001 in Section E.](#)

Table 2: Maintenance Lamp Capability and Maintenance Interval Identification				
ESN	ECM Calibration Revision	Maintenance Lamp	Fuel Consumption	
			> 2.3 km/liter [5.5 mpg]	< 2.3 km/liter [5.5 mpg]
79896418 and greater	All	Yes	640,000 km - 800,000 km [400,000 miles - 500,000 miles] 9000 hours - 11250 hours	400,000 km - 640,000 km [250,000 miles - 400,000 miles] 5625 hours - 9000 hours
79802604 to 79896417	All	Yes	640,000 km [400,000 miles] 9000 Hours	400,000 km [250,000 miles] 5625 Hours
Less than 79802604	12-Nov-2014 or newer	Yes	480,000 km [300,000 miles] 6750 Hours	320,000 km [200,000 miles] 4500 Hours
	Prior to 12-Nov-2014 or unknown	No	320,000 km [200,000 miles] 4500 Hours	

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