

QST30 PLN 500SE Installation Guide FH239 Fuel Module

Description	Supplier	Part Number	QTY
Fuel Module	Fleetguard	FH23915	1
Full flow lubrication filter	Fleetguard	LF14000NN	2
Air Filter-Primary	Fleetguard	AF4676	2
Air Filter-Safety	Fleetguard	AF4677	2
Fuel Filter	Fleetguard	FS1006	1
3/8" x 1.5 cap screw	Fastenal	11127064	4
3/8" nut	Fastenal	11127070	4
Thread Sealant	--	--	--
Drill and 7/16" bit	--	--	--

Fuel Filtration- Off Engine Fuel Module

1. Locate the FH234 fuel filter module and disconnect fuel lines from the inlet/outlet (see figure 1).
2. Unbolt the FH234 from the existing black mounting bracket (this will be re-used).
3. Unbolt the new FH239 from the black bracket (the bracket that comes with the new FH239 will not be used).

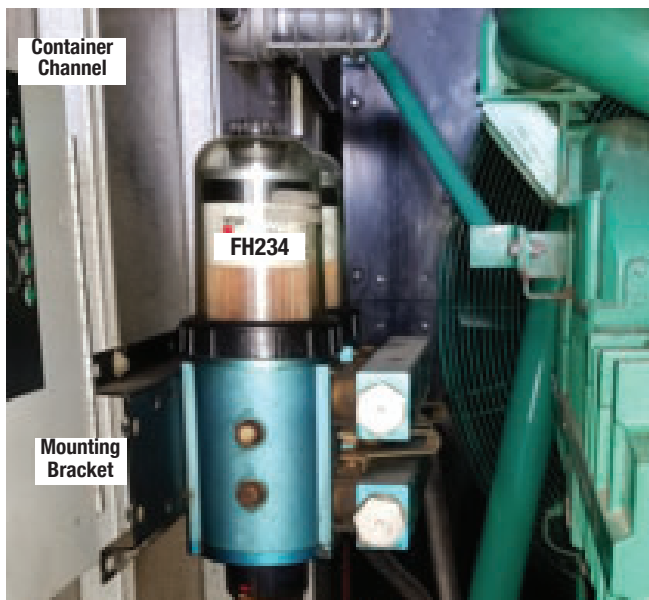


Figure 1: Before 500 SE Upgrade

4. Drill out the FH234 bracket slots 3 and 4 (See figure 2) using a 7/16 drill bit. You should be able to fit 2 cap screws in existing slots labeled 1 and 2 in the FH234 bracket.
5. Bolt the FH239 to the modified FH234 bracket using a quantity of 4 3/8 x 1.25 cap screws and nuts.
6. Ensure the inlet/outlet of the FH239 are in the desired location. The inlet and/or outlet can be located on the left or right hand side. The supplied FH239 is an in right out right model. For more information see the FH239 installation instructions that come in the box.
7. Remove the inlet and outlet fittings from the FH234 and install on the new FH239. Use thread sealant on the inlet/outlet fittings.
8. Remove the WIF sensor from the housing body (see figure 3) and plug using one of the brass plugs located on the water drain of the FH234.
9. Mount the FH239 and modified bracket to the container wall similar to the previous fuel module (see figure 4).
10. Connect the existing fuel filter inlet/outlet hoses to the FH239.
 - a. Note- The fuel module may need to be raised or lowered on the existing channel for the existing fuel lines to fit properly.
11. Place the FH239 service wrench in the container near the other service tools/fluids.

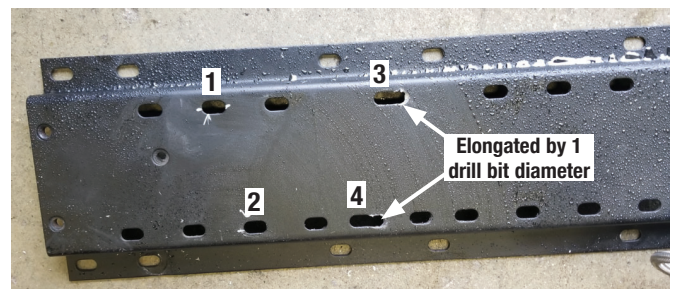


Figure 2: Mounting Bracket



Figure 3: WIF Sensor

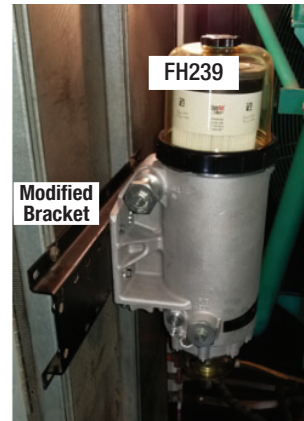


Figure 4: Mounting Bracket

Fuel Filtration- On Engine Filters

1. Locate the FF2203 filter head on the right bank (see figure 5).
2. Remove the fuel supply line from the FF2203 head.
3. Remove the FF2203 head outlet line and discard.
4. Remove the FF2203 head and discard.
5. Connect the fuel supply line directly to the FS1006 fuel head (see figure 6).
6. Replace FS1006 with new FS1006 filter.

Air Intake System

1. Remove air filters and ensure housing and dust ejection valve are clean.
2. Replace primary element with AF4676.
3. Replace safety element with AF4677.

Lubrication System

1. Replace current filters with new LF140000NN filters.



Figure 5: Before 500 SE Upgrade

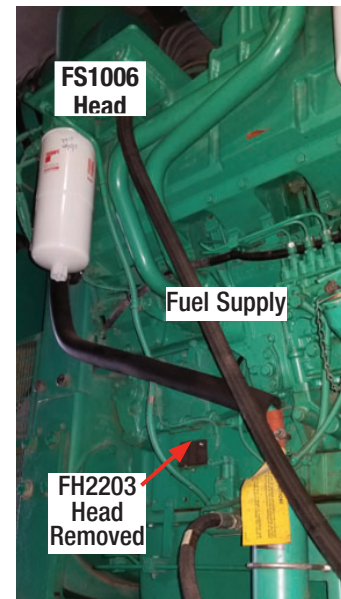


Figure 6: After 500 SE Upgrade



Filtration For more information, visit cumminsfiltration.com

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