

KTA19 500SE Installation Guide FH239 Fuel Module

Description	Supplier	Part Number	QTY
Fuel Module	Fleetguard	FH23915	1
Full flow lubrication filter	Fleetguard	LF9325	2
Bypass lubrication filter	Fleetguard	LF777	2
Air Filter - Primary	Fleetguard	AF4676	1
Air Filter - Safety	Fleetguard	AF4677	1
Custom #12 fuel line	48" total length Both ends #12 JIC female		1
1-1/4" to 3/4" NPT reducer	Parker	1 1/4 x 3/4 PTR	1
1/2" plug	Parker	HP50N-5	1
3/8" cap screw	Fastenal	11127064	4
3/8" nut	Fastenal	11127070	4
36" Channel Strut	McMaster-Carr	3310T64	2
3/8" Channel Nut *	McMaster-Carr	3269T14	4
1/4-20 Rivet Nut	McMaster-Carr	95105A143	4
1-1/4" to 3/4" screws	Fastenal	11126954	4

* Can be installed with McMasterCarr part number 95585A600 or similar tool.

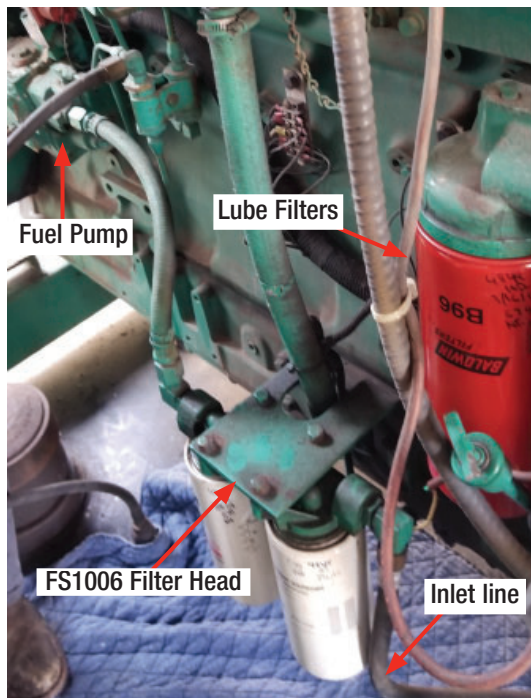


Figure 1: Before 500 SE Upgrade

Fuel Filtration-

1. Locate the dual FS1000 filter head on the left bank of the engine (see figure 1).
2. Remove the dual FS1000 head inlet line from the head.
3. Remove the dual FS1000 head outlet line from the head and fuel pump supply (This line will not be used.)
4. Remove the dual FS1000 head and discard.
5. Locate area on container wall between wall panel seams to mount the FH239 that is in reach of the inlet fuel supply line disconnected from the FS1000 filter head.
6. Using 25/64" bit, drill 4 holes through wall panel on the side of the seam. The height from the holes should be the same as the FH239 bracket, approximately 6-9/16" apart vertically (see figure 2).
7. Using rivet nut tool, install the 1/4-20" rivet nuts into holes. QTY 4
8. Install 2 channel struts horizontally with 1/4-20" bolts and washers.
9. Insert the 2 spring loaded channel nuts with springs into each channel strut.
10. Mount the FH239 onto channel strut with 3/8" bolts and washers. QTY 4 (see figure 3)
11. 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 left out right model. For more information see the FH239 installation instructions that come in the box.

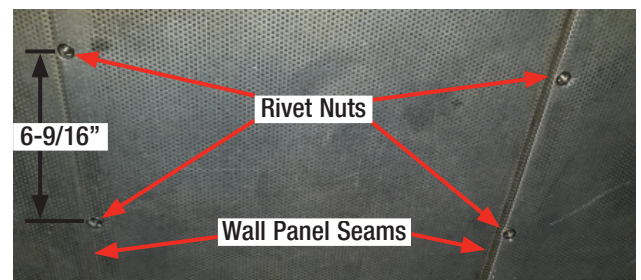


Figure 2: Wall Panel with Rivet Nut Inserts

12. Install 1-1/4" to 3/4" NPT reducer in inlet and outlet ports of the FH239 using thread sealant.
13. Install the 3/4" NPT to #10 JIC adapter into the reducers using thread sealant on pipe fitting.
14. Install existing fuel line removed from FS1000 fuel filter head inlet to FH239 inlet.
15. Install new fuel line from outlet of FH239 to inlet of pump.
16. Remove the WIF sensor from the housing body (see figure 4) and install HP50N-5 plug.

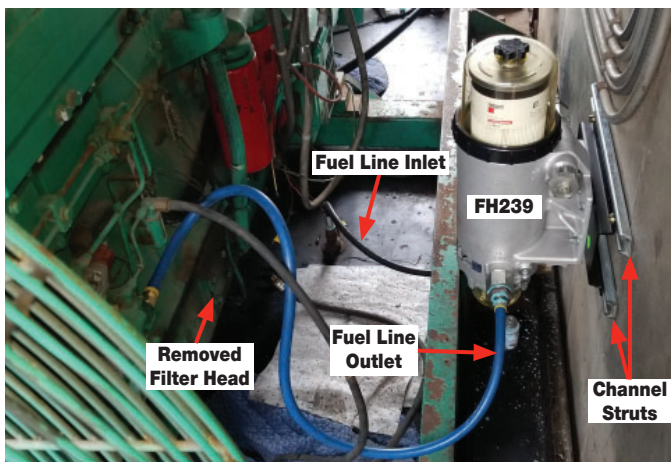


Figure 3: After 500 SE Upgrade

Air Intake System

1. Remove air filters and ensure housing is clean. (Note: The air cleaner may be mounted where the filter cannot be removed without removing the housing).
2. Replace primary element with AF4674 QTY 1
3. Replace safety element with AF4675 QTY 1

Lubrication System

1. Ensure the batteries are isolated and/or the pre-lube pump (if applicable) is disconnected to prevent oil spills during lube filter service.
2. Replace current filters on dual head with LF9325 oil filters, QTY 2
3. Replace bypass oil filter located on behind top rear of engine with LF777, QTY 1

Add 500SE label provided in the kit near service record label and fill in appropriate part numbers (see Figure 5).



Figure 4: FH239 Fuel Module

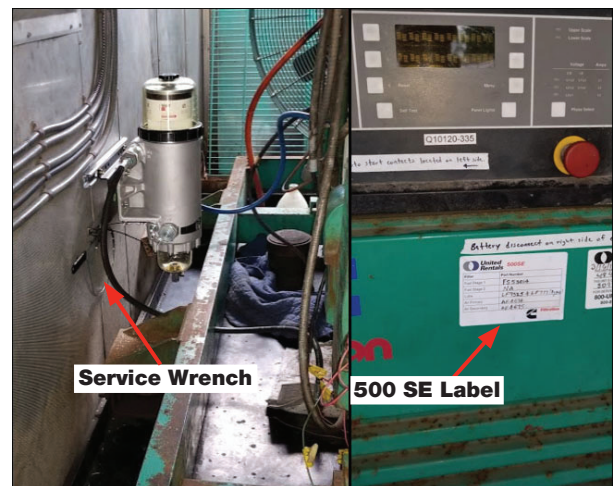


Figure 5: 500 SE Label and Service Wrench