



## PRODUCT SERVICE ENHANCEMENT - FUEL AIR PURGE KIT

Multiquip is introducing an optional fuel air purge kit for field installation on DCA400SSI4F and F3 model generators. This kit incorporates a priming pump, enabling service technicians to effectively purge air from the fuel system and restore optimal fuel flow. This enhancement is particularly beneficial following routine maintenance procedures such as fuel filter replacement.

Effective with serial number 3995990, this feature will be integrated into new production units at the factory.

### Fuel Pump Air Purge Kit Installation Instructions - P/N EE64234

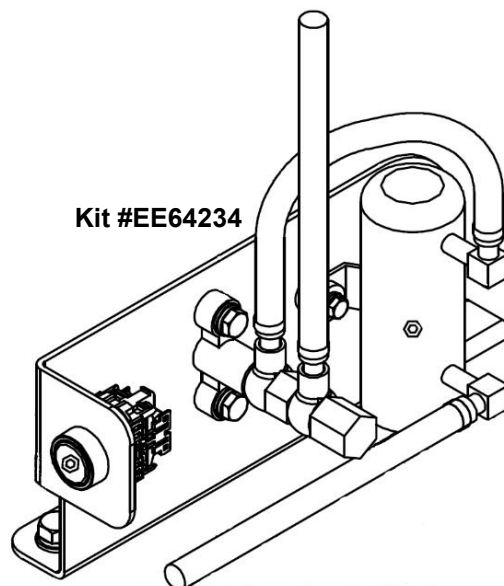
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## PRODUCT SERVICE ENHANCEMENT - FUEL AIR PURGE KIT

### Kit and Tools List:

**Kit #EE64234 Parts List**

Part #	Description	Qty.
8980093972	Fuel Pump	1
1096752390	Eye Bolt, Fuel Filter	2
8973834270	Pipe, Join	2
1096301110	Packing, Fuel Filter	2
8981799600	Valve ASM, Relief Fuel	1
8980387760	Bracket, Valve, Fuel Relief	1
5154112231	Fuel Pipe, Fuel Filter	2
1096300850	Gasket, Oil Pressure	4
EE64232	Bracket, Fuel Pump	1
EE64233	Push Button Switch w/Flush Round Head	1
EE64239	Spring Clamp Constant-Tension 5/8" OD	6
EE5795	Fuse, Buss, AGC, 5A	1
303110	Fuse Holder, In-Line	1
C35100760	Decal, Purge Pump	1



### Tools and Supplies List

- 19mm socket or wrench
- 17mm socket or wrench
- 13mm socket or wrench
- Wire strippers and crimpers
- Hose clamp pliers
- 16 AWG ring terminals (Qty. 2)
- Zip Ties
- Phillips head or flat head screw driver



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### Installation:

1. Locate the pre fuel filters mounted on the (Streetside) center frame, between housing doors.
  - a. Remove the pre-fuel filter bracket bolts with a 17mm wrench or socket, Ref. Fig. 1.  
**Note:** Do not discard the two bolts, as they will be reused to install the Fuel Pump Purge Kit.
  - b. Place the pre-assembled Fuel Pump Purge Kit on top of the pre-fuel filter bracket, Ref. Fig. 2.
  - c. Align the mounting holes of both brackets, reinstall and tighten the mounting bolts, Ref. Fig. 2.
  - d. Install the 39.3" suction hose with spring clamp on at the Fuel Air Purge Kit check valve, Ref. Fig. 3.
  - e. Route the hose to the right-side Main Filter header assembly and zip tie to the main harness, Ref. Fig. 4.

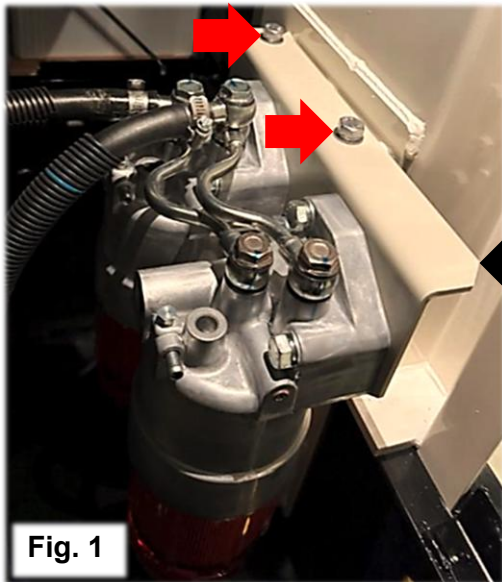


Fig. 1

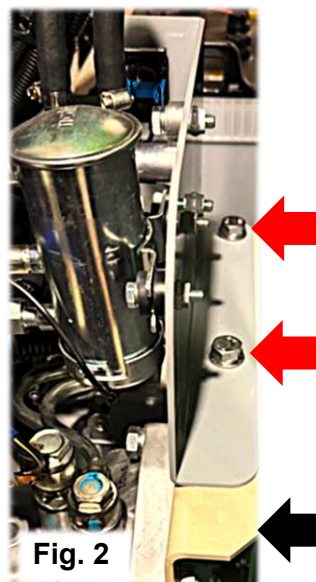


Fig. 2

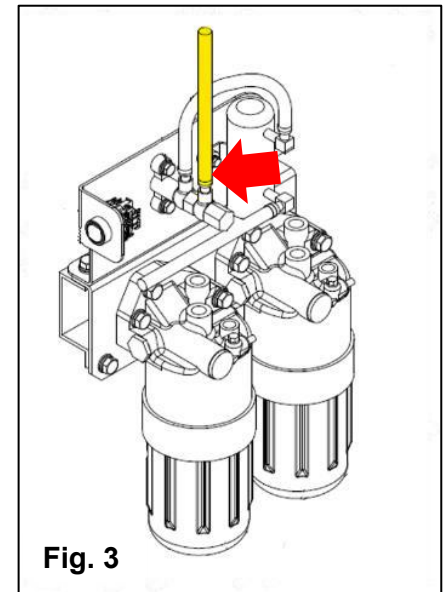


Fig. 3

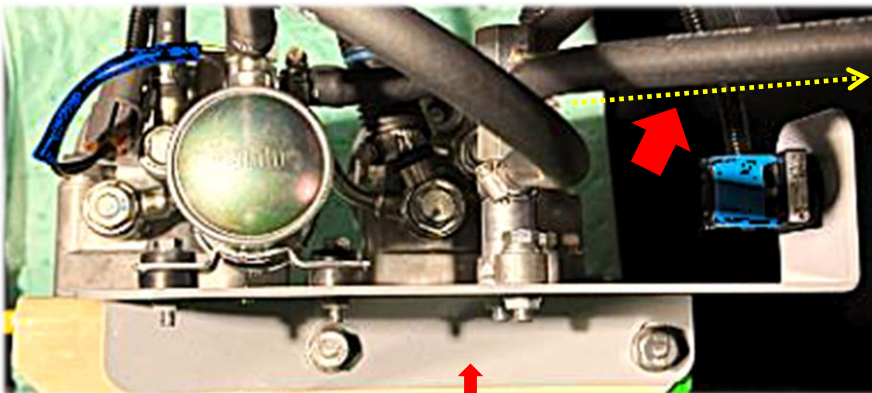
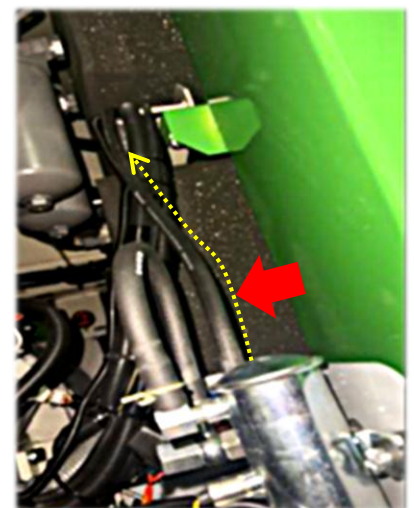


Fig. 4

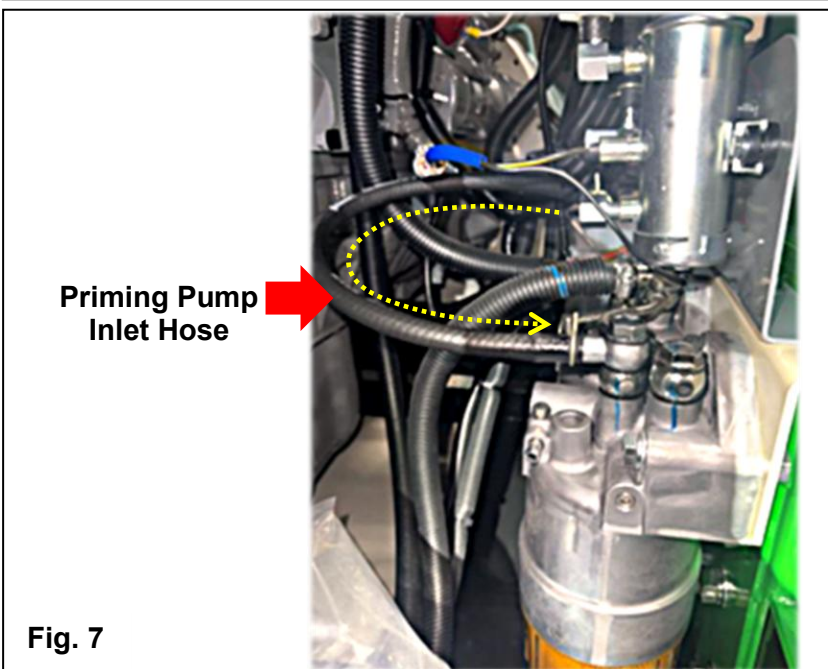
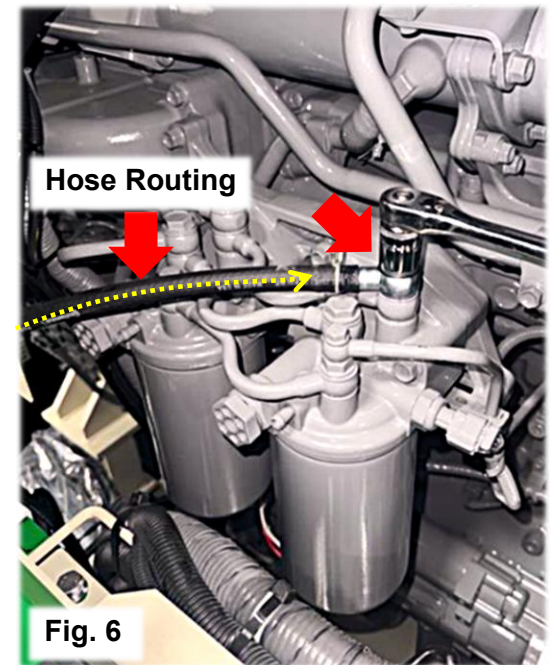
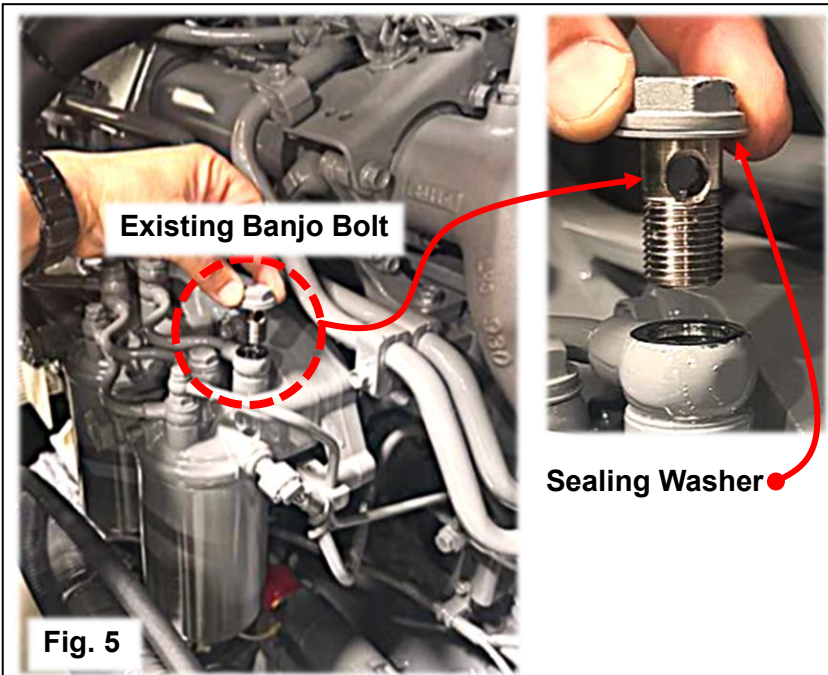
Fuel Air Purge Kit





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2. Using a 19mm wrench or socket, remove existing banjo bolt and discard, Ref. Fig. 5.  
**Note:** Do not discard the sealing washer as this will be reused with the new banjo bolt which comes in the kit.
3. Secure the new banjo bolt using a 19mm wrench or socket, Ref. Fig. 6.
4. Install the 3/8" hose that is already attached to the inlet of the fuel pump to the outlet port of the fuel filter housing and secure the hose with the provided hose clamps, Ref. Fig. 7.



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**Caution:** Prior to performing any wiring, turn the battery disconnect switch to the OFF position or disconnect the battery at the battery terminals.

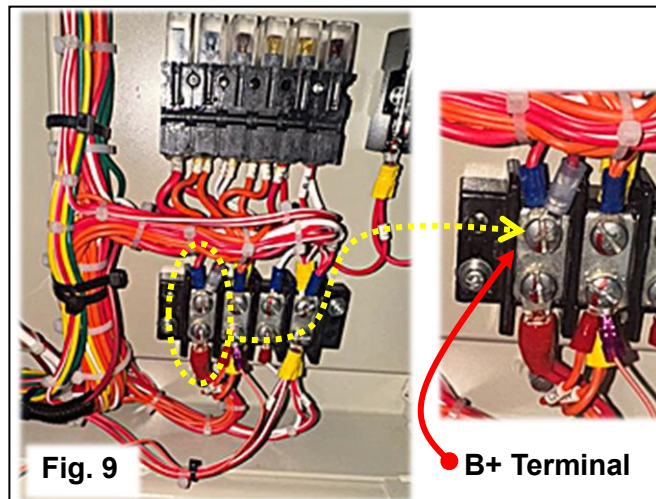
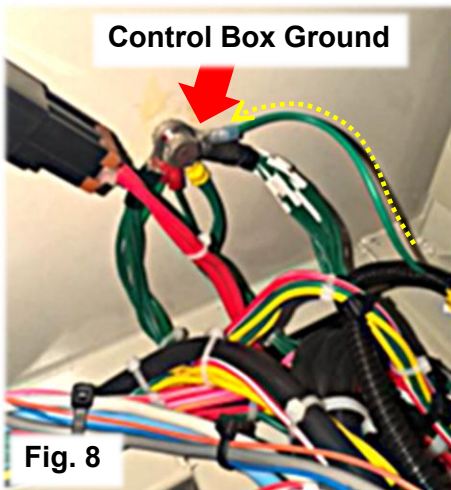
### Wire Routing:

1. Route wires and zip tie them to the existing harness and then pass the wires up through the bottom of the control box.



### Wire Landing Points:

1. Route the green wire (ground) to the left side of the control box, Ref. Fig. 8.
  - a. Install a 16AWG 5/16 ring terminal and land onto the control box ground junction point.
  - b. Secure by using a 13mm wrench or socket.
2. Route the red wire (positive) to the B+ terminal, Ref. Fig. 9.
  - a. Install a 16AWG #8 ring terminal on the red wire and land at the top side of B+ terminal.
  - b. Secure in place using a Phillips or flat head screwdriver.





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### Completed Installation:



### Initial Priming Procedure:

1. Using a 5/16" drain hose, install hose onto the bleeder hose barb, located on the fuel filter housing and place the other end into a bucket, Ref. Fig. 10-A.
2. Using a 10mm wrench, crack the bleeder valve, Ref. Fig. 10-B.
3. With the battery connected and the battery disconnect switch in the ON position, press and hold the red fuel purge push button and hold until fuel (with no air bubbles) is coming out of the 5/16" drain hose, Ref. Fig. 10-C.
4. Using the same 10mm wrench, tighten the bleeder valve securely and remove the 5/16 drain hose.
5. Install the decal with the new priming procedure over the old decal located on the outside of the generator.
6. Test run the unit.

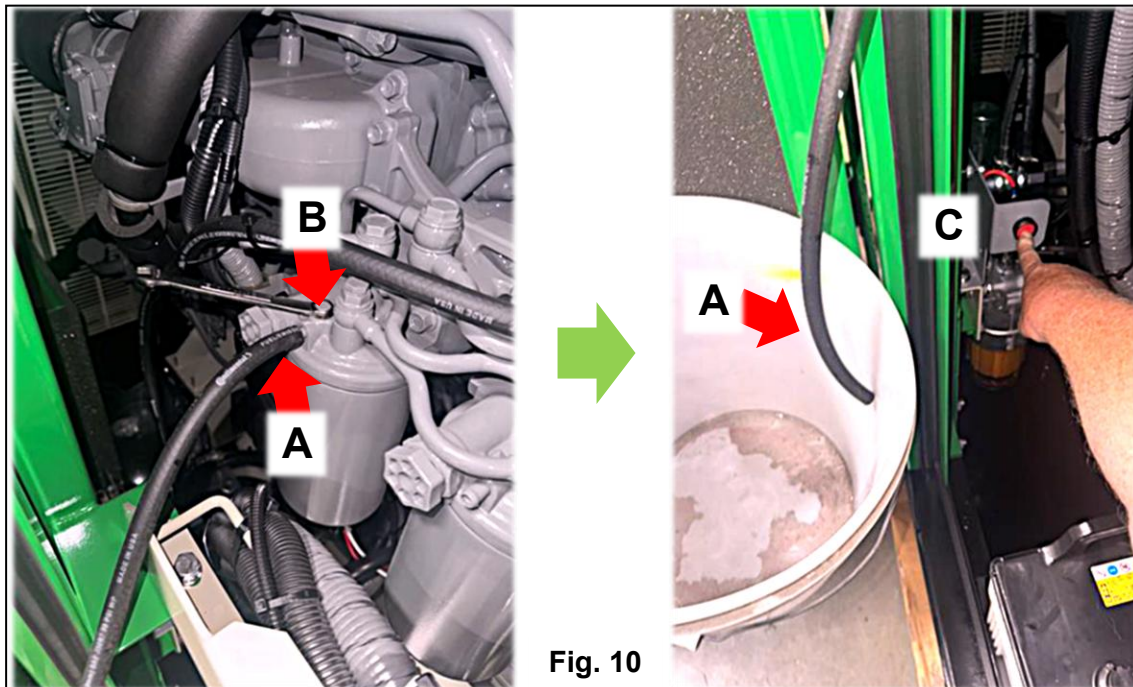
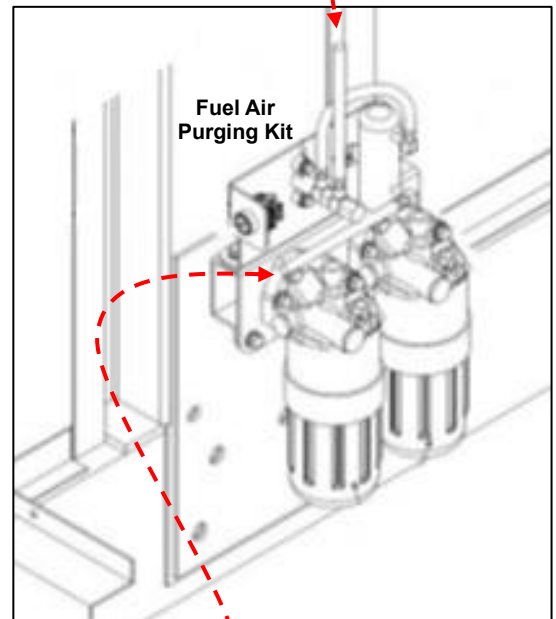
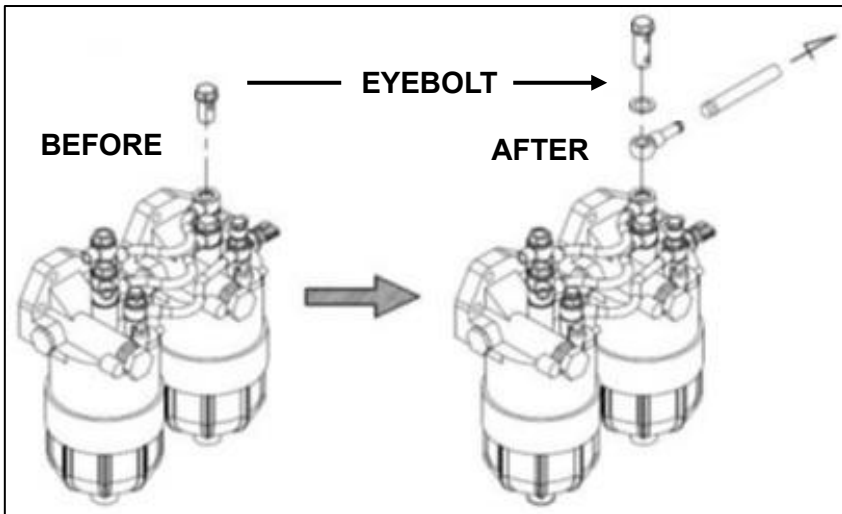


Fig. 10

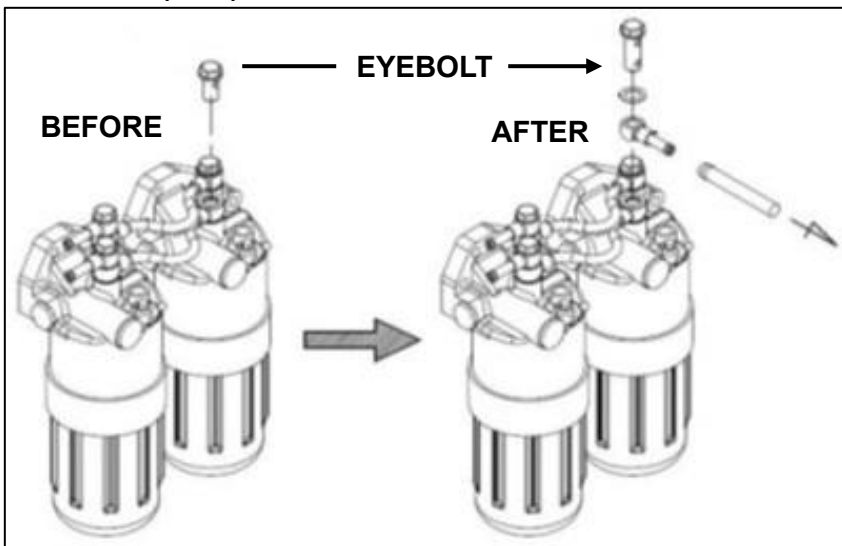
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### Fuel Filtration Illustrations:

Fuel Filter (MAIN)



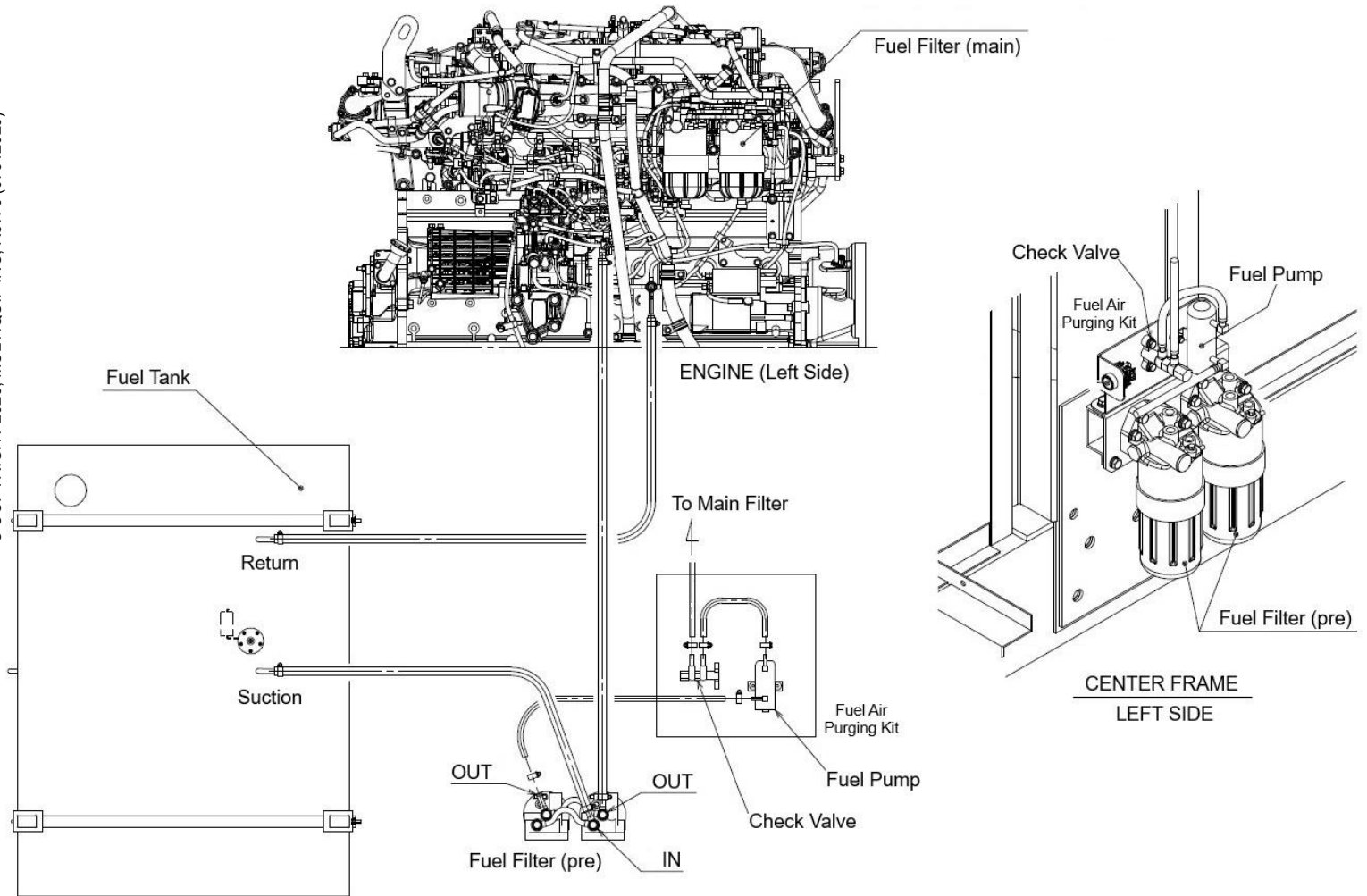
Fuel Filter (PRE)





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### Fuel Line Plumbing:







## PRODUCT SERVICE ENHANCEMENT - FUEL AIR PURGE KIT

### Wiring Schematic:

