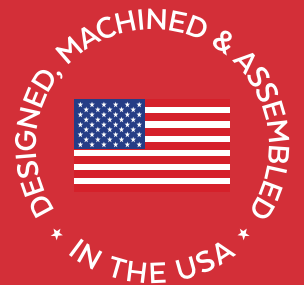




# FLK-S08 INSTALLATION MANUAL

## SINGLE VENTED/UNVENTED RETURN LINE KIT

**APPLICATION:**  
CLASS 1-8 / SEMI





**Before proceeding with the installation, BE SURE to identify that you have the proper FASS System and Fuel Line Kit by using our **Product Finder** at **www.FASSride.com**.**

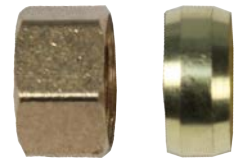
**Follow the instructions for proper identification.**

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**For any questions regarding proper identification, please call **FASS Tech Support** at **(636) 433- 5410** prior to proceeding with installation.**

# FLK-S08 MOUNTING PACKAGE CONTENTS

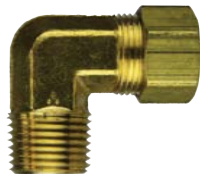
**NOTE:** Owner's Manual available for download on our website,  
[www.FASSride.com](http://www.FASSride.com)



(1) 00061-10 5/8"  
Tube Nut -  
(1) 00060-10  
5/8" Tube  
Compression Collar



CA-1001  
1/2" JIC To 5/8"  
Tube



69750  
1/2" NPT To  
5/8" Tube 90\*



69254  
1/2" Female NPT X  
1/4" Male NPT  
Straight Adapter



00068-1008  
1/2" NPT To  
5/8" Tube



8-260  
1/4" NPT TO 1/2"  
NPT BUSHING



06101-12-  
3/4" NPT "T"



10-260  
1/4" NPT TO  
3/8" NPT  
BUSHING



06123-1208  
3/4" NPT  
TO 1/2" NPT



(2) 06110-1208  
1/2" NPT  
TO 3/4" NPT



(2) 5/8" Tube  
Clamps -  
(2) Self-  
Tapping  
Screws

## PREPARING AND INSTALLING FUEL LINES

**NOTE: DO NOT use sealant on AN fittings. Only use sealant on threads installed into pump assembly or joining fittings**

When assembling compression fittings, be sure fuel line is fully seated into the compression fitting before tightening the compression nut. See example below:



**E.** Attach the line with CA-1001/00061-10/00060-10 to the return port of the FASS (labeled with an “R”) and tighten accordingly. Route nylon fuel line to the fuel tank. Be sure fuel line is routed safely and secured away from moving objects. Secure fuel line properly.

“R” Port



## **SINGLE TANK WITH EXTRA PORT**

***NOTE: Please skip to the next page if you have no extra ports***

### **FOLLOW STEPS F-G IF FUEL TANK HAS EXTRA PORTS AVAILABLE.**

**F.** Install 69750 into open port on fuel tank, if necessary utilize bushing(s) 10-260/8-260/69254 to adapt 69750 to appropriate thread size. **Be sure to use thread tape on all NPT portion of fittings.**

**G.** Cut the fuel line to the appropriate length to reach the return fitting on top of the fuel tank and install into 69750, tighten compression nut on 69750 accordingly. **Always be sure to pull on fuel line firmly after installed into compression fitting to ensure compression collar is securely "locked" onto fuel line.**



## FOLLOW STEPS H-J IF FUEL TANK HAS NO EXTRA PORTS AVAILABLE

**NOTE:** Wrap 4 rounds of thread tape on Male Pipe Thread portion of the fittings. (Repeat step for ALL FITTINGS in the kit.)

(Note: No tape on flared or compression portion of the fitting)

**DO NOT** use sealant on AN fittings. Only use sealant on threads installed into pump assembly or joint fittings.



**H.** Locate Fuel Tank Vent Line and remove vent and vent line from tank. Thread tape reducer on both ends and install reducer into tank. Once reducer has been secured, install the "T" into reducer and secure. Thread tape bushings and install them on the "T".

**NOTE:** Not all configurations will be able to be assembled this way. Install the vent line on the top portion of the "T" and the FASS return line into the middle of the "T". We recommend a 3/4" "T" to allow for proper tank ventilation.

### ASSEMBLING VENT RETURN "T"

Fuel Tank Vent Line



Fuel Tank

Install first bushing in the side. Properly torque in place.  
Install second bushing in the top. Properly torque in place.

FASS Return

Install 1/2 male flare to 1/2 pipe fuel fitting in the side bushing. Properly torque in place.

Now install reducer into bottom of the "T". This will install in the top of the tank.

Disconnect existing vent from top of tank. Install Double Vent Return "T" into top of tank. Insert tank vent into top of Double Vent Return "T" and Properly torque.

**I.** Cut fuel line to the appropriate length to reach 00068-1008, install fuel line into 00068-1008 and tighten compression nut accordingly. Insert tank vent into top of Double Vent Return "T" and properly torque.

**J.** See pic for configuration.



## **REVIEW INSTALLATION AND SECURE CONNECTIONS**

- 1. Are the bolts and fasteners properly tightened?**
- 2. Are the electrical harness and fuel lines secured and properly tightened?**
- 3. Has the system been primed? (Refer to owner's manual.)**

**If the above have been properly completed, then:**

- 4. Check for leaks.**
  - 5. Start the engine**
  - 6. Recheck all fluid and filter connections for leaks**
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