

INSTALLATION MANUAL

HK-1001



ACCESSORY:

Electric Heater Kit

FASS Series:
HD, Titanium, or Platinum

FASS[®]
Diesel Fuel Systems

ENGINEERED EXCELLENCE

Dear Valued Customer,

“Made in the USA” is not just a slogan at FASS; it’s what we live by! FASS is not only assembled in the USA but 98%+ of the FASS product is manufactured in the USA, helping to employ Americans and strengthen America. At FASS, we scrutinize our suppliers and demand the highest quality American-made components. However, this does come at a price, which is one of the main reasons FASS products are more expensive than the competition. Remember price does not dictate quality but quality does dictate price! Here at FASS, we believe it’s worth the commitment and will continue this practice to support America! Our competition is doing exactly the opposite by using foreign-made components.

Building extremely “High-Quality” fuel products is our business. We concentrate all of our efforts in this arena. No one else is as specialized as FASS in what we do! This is one of the ingredients to insure you are running with the “Highest-Quality” fuel system in the world! We have implemented very rigorous testing procedures to provide the “Highest Quality” we have become known for. Not only is our product superior, but customer satisfaction is #1 at FASS. It is our goal to provide the best service possible. Our confidence is evident in the products we make as each product is backed by an industry leading warranty!

Our R & D department, in conjunction with our Dealer Support department, is continually searching for ways to improve quality, expand our product line, and provide superb support to our network of dealers so our customers’ needs and expectations will be exceeded.

To help insure you receive the proper system and customer support at the local level, FASS has a VIP and Authorized Dealer network representing FASS products. We recommend you go to www.FASSride.com, click “Find A Dealer”, put in their ZIP code, select the type of dealer, and see if the company you purchased from is listed. If they are not, put their phone number in the field below the ZIP code field to see if they are listed. Below these two fields is a list of “Terminated/Unauthorized” dealers. You may want to review this list. If the company is not listed or is on the “Terminated/Unauthorized” list, we suggest you return the product immediately to that dealer and call FASS. We’ll recommend you to the nearest dealer.

INSTALLATION MANUAL

Follow these steps to ensure a simple installation of your new FASS ACCESSORY

1. *Read the installation manual completely before attempting installation. The installation of this product indicates that the buyer has read and understands the limitations of the FASS manufacturers warranty agreement and accepts the responsibility of its terms and conditions.*
2. Inventory the package components. Notify the place of purchase immediately of any parts missing or damaged.
3. The installation recommendations contained herein are guidelines. Use good judgment and take into consideration your vehicles' accessories.
4. If you have any questions or concerns that can not be addressed with your dealer, email or call FASS.
5. If any installation procedure is uncertain, contact FASS technical support.

Email techsupport@FASSride.com with the following information:

- Your Name, address and daytime phone number
- Model
- Date of purchase
- Nature of Your Concern

Call customer service; [636-433-5410](tel:636-433-5410) with the following information:

- Model
- Date of purchase
- Nature of Your Concern

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WH-1006



HE-1001



HB-1001



Ring Terminal



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STEP 1: HEATER INSTALLATION

HEAVY DUTY SERIES

These instructions are for the application to a FASS HD Series system.

Note: Installation can be performed without removing system from truck.

a. Remove brass plug directly above the water separator.



b. Apply thread tape to provided bushing and install. Torque to 40 lbs/ft.



c. Apply thread tape to heater element. Insert into bushing. Torque to 18 lbs/ft.



OPTIONAL MOUNTING LOCATION:

a. Remove brass plug next to the Return Fitting.



b. Apply thread tape to provided bushing and install. Torque to 40 lbs/ft.



c. Apply thread tape to heater element. Insert into bushing. Torque to 18 lbs/ft.



HEAVY DUTY SERIES

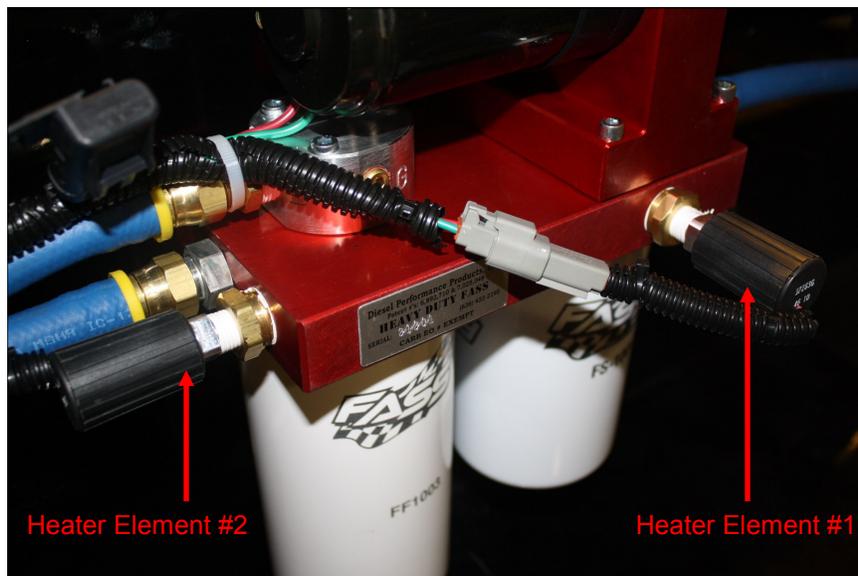
DIRECTIONS:

Note: Heater element has automatic on/off temperature control as long as power is applied.

- Turn key to the accessory position.
- Allow heater to warm based on ambient temperature. Colder temperatures require longer heat times.
- After warm-up, start engine as normal.

OPTIONAL: DUAL HEATER INSTALLATION

Dual Heaters installation: Install both heater elements first and then hardwire the second heater probe into the same harness as the first probe.



STEP 1: HEATER INSTALLATION

TITANIUM SERIES PLATINUM SERIES

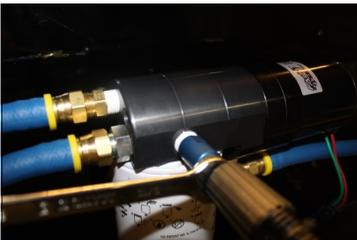
Platinum Series



- a. Remove brass plug directly above the water separator.

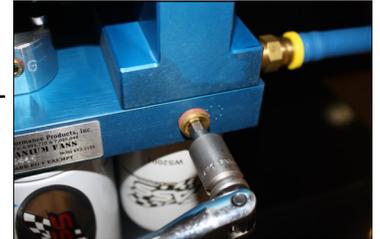


- b. Apply thread tape to the HB-1001 Heater Bushing and install. Torque to 40 lbs/ft.



- c. Apply thread tape to heater element. Insert into bushing. Torque to 18 lbs/ft.

Titanium Series



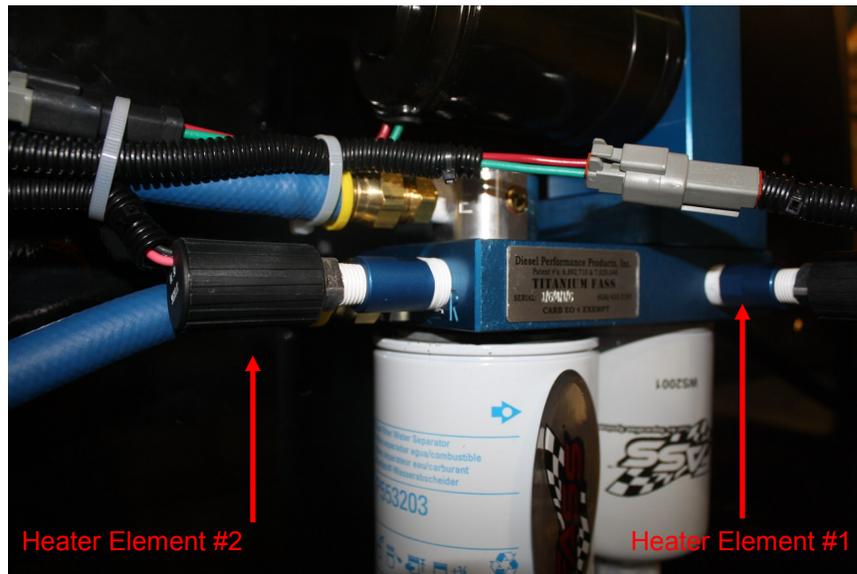
OPTIONAL TITANIUM MOUNTING LOCATION:

- a. Remove brass plug next to the Return Fitting.
- b. Apply thread tape to the HB-1001 Heater Bushing and install. Torque to 40 lbs/ft.
- c. Apply thread tape to heater element. Insert into bushing. Torque to 18 lbs/ft.



OPTIONAL: DUAL HEATER INSTALLATION

Dual Heaters installation: Install both heater elements first and then hardwire the second heater probe into the same harness as the first probe.



Note: Heater element has automatic on/off temperature control as long as power is applied.

- Turn key to the accessory position.
- Allow fuel to fill open cavities around heater probe before supplying power to probe.

Note: The Platinum series allows for only one heater element.

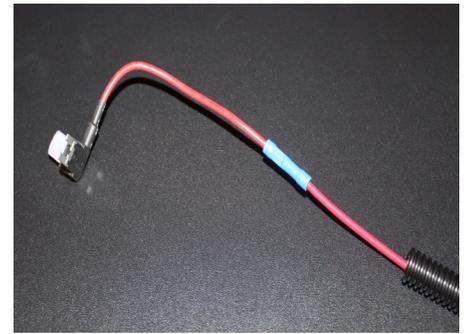
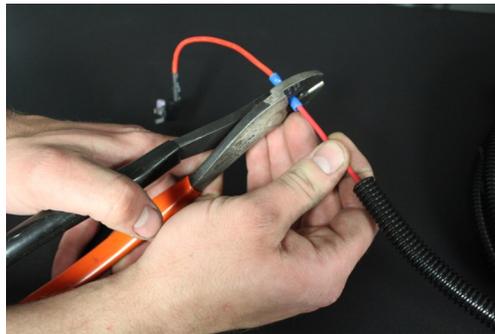
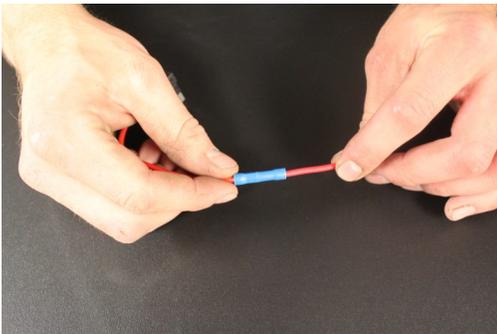
STEP 2: INSTALL ELECTRICAL HARNESS

Caution: Do not supply power to heater probe unless it is submerged in liquid.

- A. Using a wire stripping tool, remove excess insulation off the add-a-fuse and the WH-1006.



- B. Place wire from 46044 and WH-1006 into butt connector. Using crimping tool connect 46044 and WH-1006 with butt connector. Install 46260 to 46044 bottom slot (opening that is near the spade).



- C. Crimp the ring terminals to the red and green wires of the WH-1006 Wire Harness. Attach red wire to the positive terminal of the battery and the green wire terminal to the negative terminal. **The use of a corrosion preventative on electrical connections is recommended.**



- D. Secure relay and fuse in an upright position, as shown, to prevent moisture from entering. Di-electric grease may be applied to prevent corrosion.



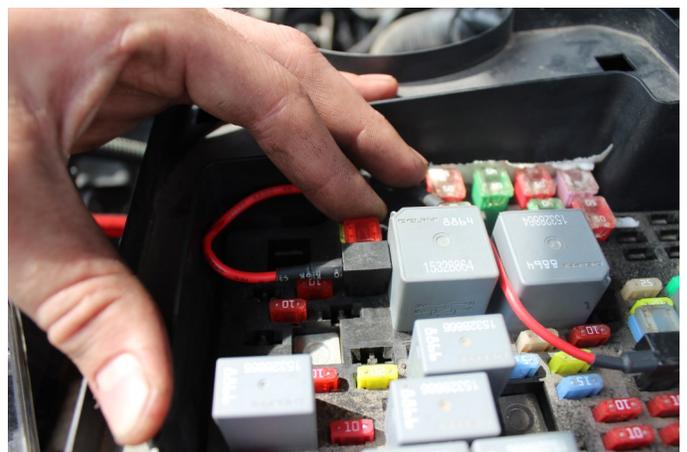
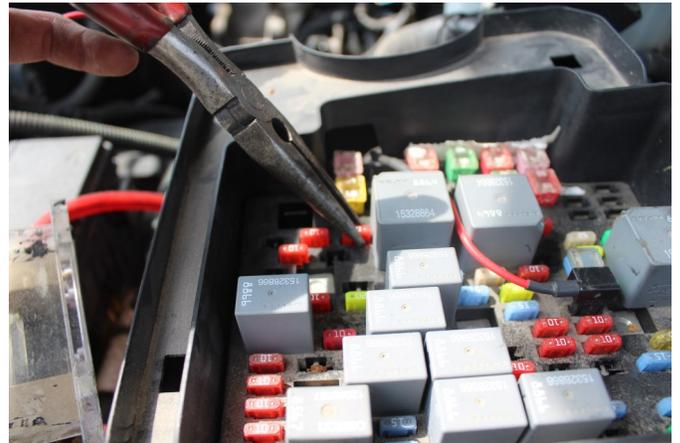
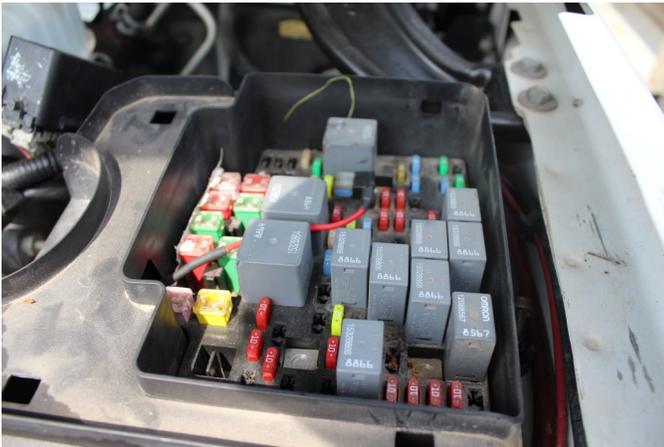
STEP 2: INSTALL ELECTRICAL HARNESS

Two Options for power source to probe. Please review page 10 and 11 for options

E. If fuse panel is located in the cab, it will be necessary to guide the single red wire from the relay through the fire wall grommet to access the fuse panel.



F. Locate fuse box under hood and select ignition hot fuse. Remove fuse and put Add-A-Fuse in place. Install fuse previously removed. **The use of a corrosion preventative on electrical connections is recommended.**



G. Route WH-1006 wire harness along frame rail to mounting location of heater probe.

Optional Switch

Users who would like to have the probe separate from an Ignition source fuse can install a double pole switch to active probe without running pump. Instead of running wire to key on fuse run trigger wire to a double pole switch.



STEP 3: FINAL INSPECTION

- Make sure all fittings are tight.
- Secure any loose wire and harness with wire ties.
- Check all electrical connections.
- Secure fuse block and relay in a weatherproof location.