

# INSTALLATION MANUAL

## HK-1001



### **ACCESSORY:**

[Electric Heater Kit](#)

FASS Series:  
HD, Titanium, or Platinum



# 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.

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WH-1006



HE-1001



HB-1001



Ring Terminal



Fuse Tap



Flag Terminal



10-260

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# HEAVY DUTY SERIES

## STEP 1: HEATER INSTALLATION

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

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

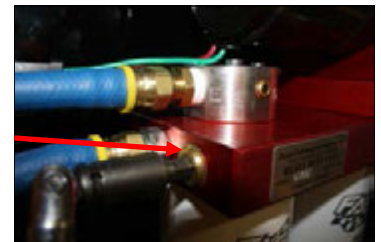
- a. Remove brass plug directly above the water separator.
- b. Apply thread tape to provided bushing and install. Torque to 40 ft./lbs.
- c. Apply thread tape to heater element. Insert into bushing. Torque to 18 ft./lbs.



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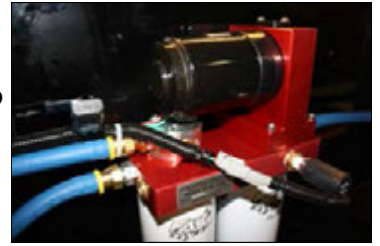
### **OPTIONAL MOUNTING LOCATION:**

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



## **STEP 2: INSTALLATION OF ELECTRICAL HARNESS**

- a. Connect male end of harness to the heating element. Route the wire harness to the battery. Use wire ties to secure harness.



- b. Route the single red wire coming off the relay through a grommet in the fire wall.



- c. Choose a fuse that is on in the “Accessory” position. Pull fuse and attach fuse tap to the “hot” leg. The Flag Terminal will fit over the blade of the fuse tap.



**Note: Connect the fuse tap to the hot leg of the fuse.**

- d. Crimp the red wire to the flag terminal. Connect to the “hot side” of a terminal using the fuse tap.



- e. Using the ring terminals, connect the red wire to the positive of the battery. Connect the green wire to a clean ground. Secure relay in an upright position, preferably on the firewall out of the weather. Properly secure all electrical leads and harness.



## **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.

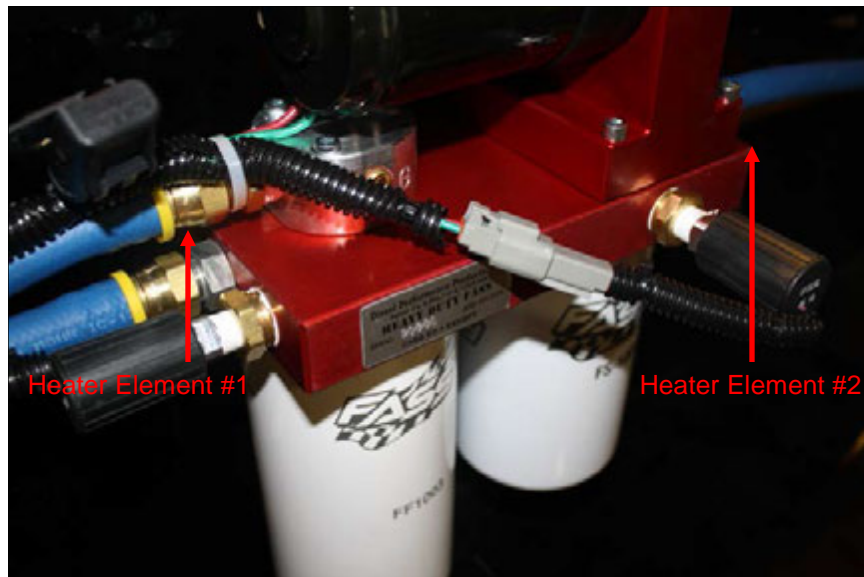
# HEAVY DUTY SERIES

- Turn key to the accessory position.
- Allow heater to warm for 10-15 minutes.
- After warm-up, start engine as normal.

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

## OPTIONAL: DUAL HEATER INSTALLATION

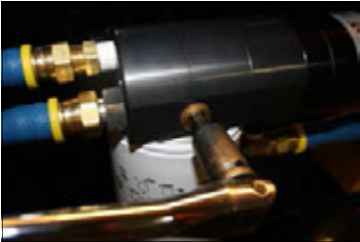
Two heater elements can be installed simultaneously. Use the directions in the kit to install in both ports. Use both harnesses and join the leads at the terminals.



# TITANIUM SERIES PLATINUM SERIES

## STEP 1: HEATER INSTALLATION

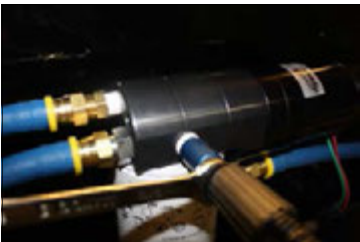
### Platinum Series



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

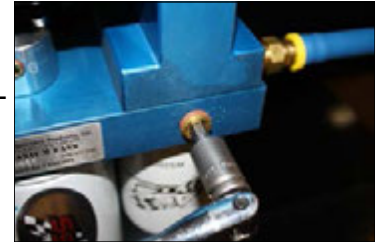


- b. Apply thread tape to the HB-1001 Heater Bushing and install. Torque to 40 ft./lbs.



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

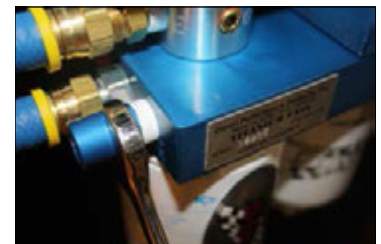
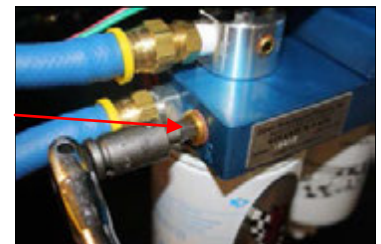
### Titanium Series



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



# TITANIUM SERIES PLATINUM SERIES

## **STEP 2: INSTALLATION OF ELECTRICAL HARNESS**

- a. Connect male end of harness to the heating element. Route the wire harness to the battery. Use wire ties to secure harness.



- b. Route the single red wire coming off the relay through a grommet in the fire wall.



- c. Choose a fuse that is on in the “Accessory” position. Pull fuse and attach fuse tap to the “hot” leg. The Flag Terminal will fit over the blade of the fuse tap.



**Note: Connect the fuse tap to the hot leg of the fuse.**

- d. Crimp the red wire to the flag terminal. Connect to the “hot side” of a terminal using the fuse tap.



- e. Using the ring terminals, connect the red wire to the positive of the battery. Connect the green wire to a clean ground. Secure relay in an upright position, preferably on the firewall out of the weather. Properly secure all electrical leads and harness.



## **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.



## DIRECTIONS:

- Turn key to the accessory position.
- Allow heater to warm for 10-15 minutes.
- After warm-up, start engine as normal.

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

## OPTIONAL: TITANIUM DUAL HEATER INSTALLATION

Two heater elements can be installed simultaneously. Use the directions in the kit to install in both ports. Use both harnesses and join the leads at the terminals.

