

September 2, 2011

Re: Tyco 5-Prong Pump Shut-Down Relay

To Whom It May Concern:

This bulletin is in response to **SAFENET ID # 8K7RY4SAFE & # 8JWMYSSAFE** in regards to a relay failure on any Brand FX Fire Apparatus Type 6 Wildland Firefighting Engine built from **January 2010 to August 2011**. **This bulletin is designated for Brand FX Fire Apparatus only.**

**The relay's primary function is to control the fuel pump solenoid for the auxiliary pump engine. It has been determined that the sudden amperage load from the solenoid could potentially overload the relay and in turn shut down the pump engine and prevent it from restarting.**

After extensive research, Brand FX has determined that the Tyco relay used in the manufacturing process is an inferior component, which could lead to the auxiliary pump engine shutting down unexpectedly. As a result, Brand FX has discontinued the use of the Tyco relay and is immediately transitioning to a Cole Hersee, model # RC-400112NN, 12 volt 40 amp relay. The mounting location for the relay shall not change, but the position of the relay can possibly be altered. The prongs on the relay should be installed facing downwards to prevent water from pooling up on the relay and possibly shorting it out.

Attached to this bulletin is a pictorial representation of the pump panel that shall outline the location of the relay on the panel and correct mounting position.

Please contact Chuck Hirsch, Parts and Service Representative, at 877.347.3011 or by email at [partsservice@brandfxbody.com](mailto:partsservice@brandfxbody.com) with the following information in order to have a replacement relay sent out immediately:

- ✓ Complete Contact Information
- ✓ Physical Address (P.O. Boxes are not acceptable as UPS will not deliver to them)
- ✓ Brand FX Serial Number (i.e. 10-XXXXX)

We ask that you dispose of the Tyco relay when the installation of the Cole Hersee relay is complete.

We sincerely apologize for any inconvenience that has resulted in this matter and look forward to working with you in resolving this matter in a quick and efficient way.

## Installation Instructions Replacing Shut-Down Relay

Tools Required:

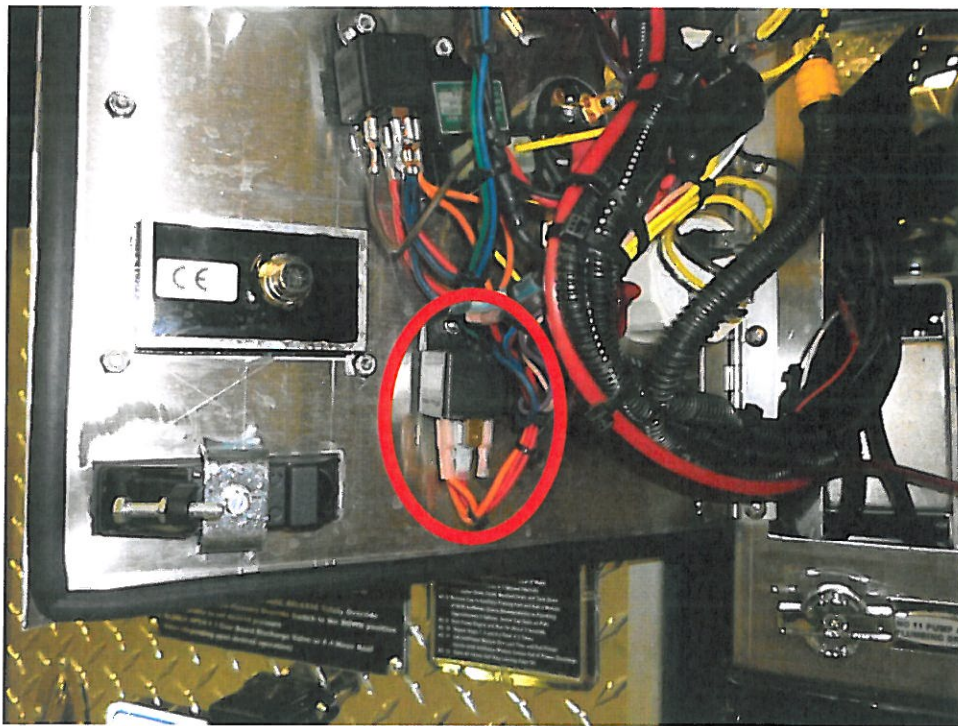
3/8 inch wrench

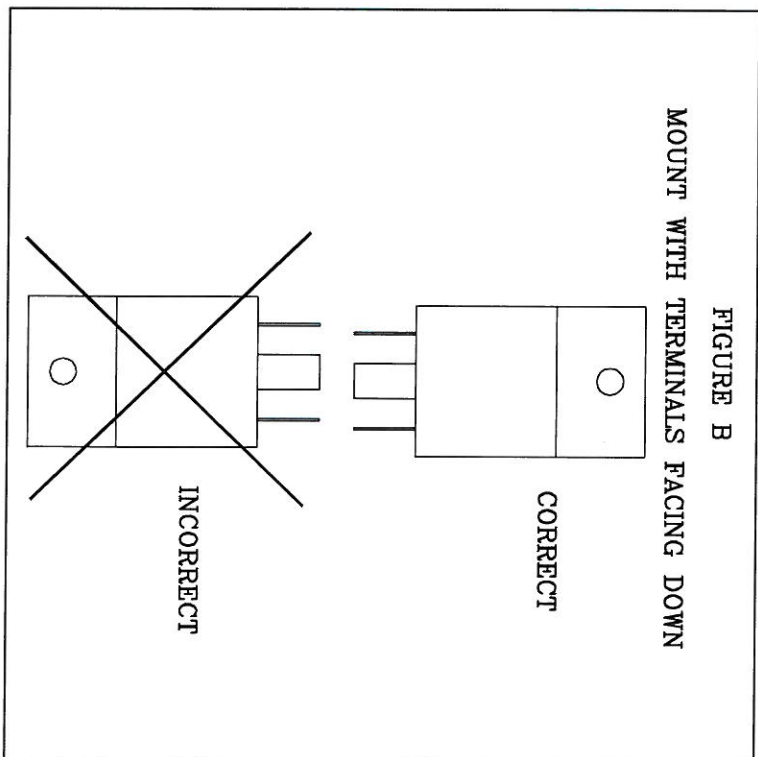
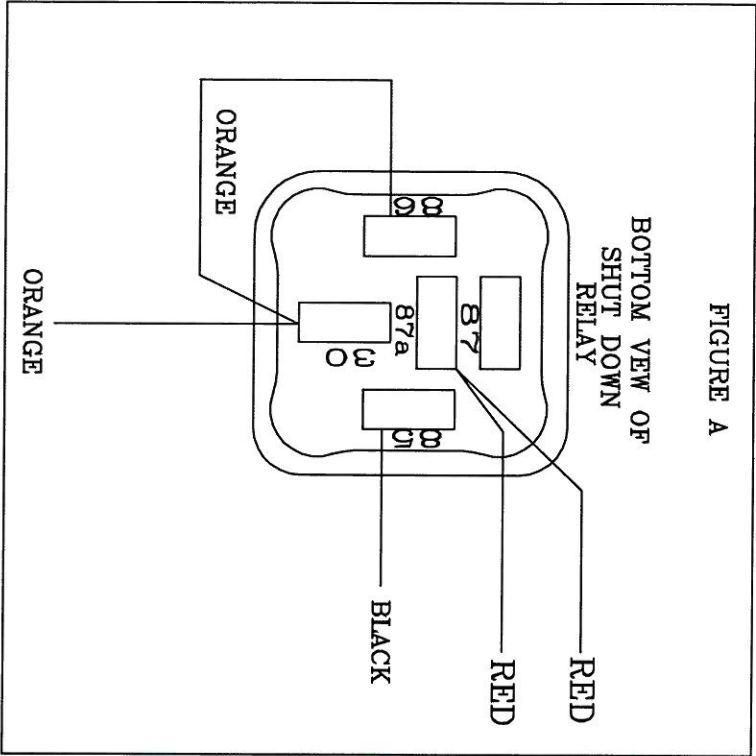
Phillips Head Screwdriver

The shut-down relay is located on the backside of the pump panel's hinged access door as illustrated in the picture below.

Steps:

1. Remove the shut-down relay from the door.
2. Carefully remove one (1) wire at a time by pulling the connector away from the relay and placing it on the corresponding terminal of the Cole Hersee relay as displayed in the attached electrical drawing.
3. Once all four (4) connectors have been installed on the Cole Hersee relay, mount the relay to the panel door utilizing the same mounting location and proper position as indicated by Figure B on the electrical drawing.





DESIGNED BY: M. MELANSON  
DO NOT SCALE THIS DRAWING

SHUT DOWN RELAY REPLACEMENT  
FIGURE A & B  
REVISION DATE: 9/1/2011

FIT  
REV.

