



TECH TIP

Product: FCB - VIPER

Subject: BARREL FILL SWITCH

Date: JANUARY 20, 2015

Description of Potential Issue:

Some Viper units may experience an excessive number of barrel fill switch failures which would manifest itself with different symptoms. A barrel fill switch failure may show up as a barrel overflow situation and vent product out the barrel relief valve. A barrel fill switch failure may also result in inadequate barrel fill, which will cause an excess of CO₂ in the barrel which will result in over-freezing of the product in the barrel.

Corrective Action:

Kits have been developed to change the barrel fill switches (either a Sensata switch or Barksdale switch) to a transducer type of switch which will reduce the number of 'freeze up' failures. These kits will be compatible for both Sensata switches with 1/4" QC harness and the Barksdale switches with 3/16" QC harness. Transducer kit part numbers are as follows:

- Viper 2 Barrel Transducer Kit **P/N 629097323**
- Viper 3 Barrel Transducer Kit **P/N 629097339**
- Viper 4 Barrel Transducer Kit **P/N 629097387**

Each kit will include instructions for installing the transducer type switch. The following is the part numbers for the installation instructions only:

- Viper 2 Barrel Transducer Kit Instructions **P/N 629097323INS**
- Viper 3 Barrel Transducer Kit Instructions **P/N 629097339INS**
- Viper 4 Barrel Transducer Kit Instructions **P/N 629097387INS**

All kits will include parts to convert either the 1/4" Sensata switch or the 3/16" Barksdale switch to the transducer type switch. Not all parts of each kit will be used for each application. The following is a guideline for what parts are used for each type of switch, but please refer to the instructions for detailed information.

- The 3/16" Barksdale harness will accept the transducer using the harness adapter included with the kit.
- The transducer kits will fit the 1/4" Sensata harness as follows:
 - For 2 barrel units, the Sensata harness can be assembled directly to the transducer board which is 1/4". The molded plug adapter will not be used in this application.
 - For 3 barrel units barrels 1 & 2, the Sensata harness can be assembled directly to the transducer board which is 1/4". For barrel 3, the adapter may need to be used.

- For 4 barrel units, the Sensata harness can be assembled directly to the transducer board which is 1/4". The molded plug adapter will not be used in this application.

As this is a standard product enhancement, standard warranty coverage will apply to the kit installation.

Additional Information:

CAUTION

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit. **ALL WIRING AND PLUMBING MUST CONFORM TO NATIONAL AND LOCAL CODES. FAILURE TO COMPLY COULD RESULT IN SERIOUS INJURY**

WARNING

Disconnect all power to the unit before performing any service. **VERIFY ALL POWER IS OFF TO THE UNIT BEFORE ANY WORK IS PERFORMED. FAILURE TO DISCONNECT THE POWER COULD RESULT IN EQUIPMENT DAMAGE, SERIOUS INJURY, OR DEATH.**