

INSTALLATION INSTRUCTIONS TO QUALIFIED TECHNICIANS

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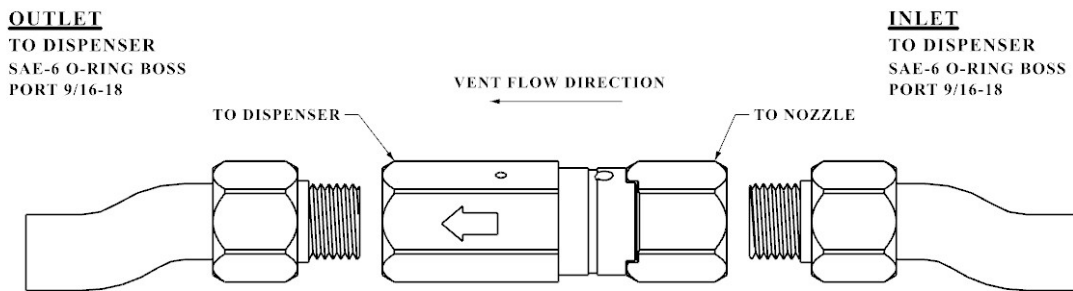
For Vent Line Breakaways (NGVLB)

A. GENERAL

The Vent Line Breakaway (NGVLB) is intended for use as a safety device in high pressure compressed natural gas (CNG) fueling applications, in the temperature range of -40°C to 85°C (-40°F to 185°F). The vent line breakaway is a safety device that will allow the hose to separate from the dispenser in the event of a drive away incident. Installation shall conform to the requirements of the authorities having jurisdiction or, in the absence of requirements, with the Standards *NFPA 52, Compressed Natural Gas (CNG) Vehicular Fuel Systems*, or *CAN/CSA-B108, NGV Fueling Stations Installation Code*, as applicable.

Only technicians with high-pressure gas fitting experience are qualified to install these parts. The vent line breakaway is fitted with SAE-6 o-ring boss port 9/16-18 fittings.

NOTE: THIS SAFETY DEVICE MAY ONLY BE USED ON THE VENT LINE IN A HIGH PRESSURE CNG APPLICATION; IT CANNOT BE USED ON THE FUEL/FILL LINE.



B. INSTALLATION INSTRUCTIONS

1. The qualified technician must mount the vent line breakaway in line with the hose between the nozzle and the dispenser.

NOTE: CARE MUST BE TAKEN TO ENSURE THAT THE ARROW ON THE UNIT IS POINTING IN THE DIRECTION OF GAS FLOW (TOWARDS THE DISPENSER).

2. Inspect the NGVLB, and the hose fittings, for dirt and any signs of damage. Clean the threads & sealing surfaces and inspect the o-ring seals for damage.
3. Lubricate all threaded fittings and o-rings. Insert the fittings into the NGVLB and finger tighten. Ensure that the o-rings seat properly in the o-ring boss port.

NOTE: Teflon tape or equivalent thread sealant tape should NOT be used.

4. Using a calibrated torque wrench, tighten the fitting with the following torque: 25-35 ft-lbs.

NOTE: DO NOT APPLY THE WRENCH, OR ANY OTHER TOOL, TO THE BODY OF THE NGVLB IN LOCATIONS OTHER THAN THE AVAILABLE WRENCH FLATS.

C. OPERATION

In the event of a drive away incident, the two main components of the NGVLB will separate with a threshold force of approximately 40 lbf \pm 15 lbf. (178 N \pm 67 N).

To reconnect the two parts, simply follow these steps:

1. Carefully inspect the two parts for any scratches, damage, and permanent contamination that may have occurred when the hose separated from the dispenser. Likewise, inspect the o-rings and canted coil spring to ensure they are present and not damaged. If any damage exists, or any parts missing, promptly call a qualified technician and have it replaced with a new unit.
2. If the parts can be reused, simply clean the two pieces first. Then insert the breakaway adaptor into the stationary housing with enough force (12 lbf / 54 N) until a click is felt. This click is the result of the canted spring falling into the canted groove.
3. If any problems arise with reconnection, please contact a qualified repair technician to have the unit replaced.

D. MAINTENANCE

NOTE: ONLY QUALIFIED TECHNICIANS MAY SAFELY PERFORM INSPECTION, REMOVAL OR REPAIR PROCEDURES. THE USER MUST NOT ATTEMPT TO DISCONNECT OR DISASSEMBLE THE VENT LINE BREAKAWAY OR ITS FITTINGS.

1. The visible surfaces of the NGVLB must always be clean and clear of all foreign debris, dirt and oil deposits.
2. The NGVLB and fittings should be checked periodically to ensure that all parts continue to function properly and remain leak-free.
3. If a leak is present in the vent line or at the connection point of the NGVLB, due to its pressure balanced design, the unit will self-separate. If this occurs see Section C, above, for inspection and reconnection instructions.
4. Replacement/Repair kits (item # 207563) are available for the canted coil spring and o-rings (installation tool included). Additionally, vent line hose replacement o-rings (item # 001146) are also available. Please contact your local sales or customer service representative for assistance.



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