

INSTALLATION INSTRUCTIONS

Carbonator Probe Service Kit

SAFETY INSTRUCTIONS

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

 **WARNING:**

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, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTRUCTIONS

These instructions outline installation of the replacement Carbonator Level probe for ambient and cold carbonator tanks. The new replacement probe assembly may look different than the old probe being replaced. The new probe assembly is functionally the same as the old assembly. Retain these instructions as part of your equipment manual.

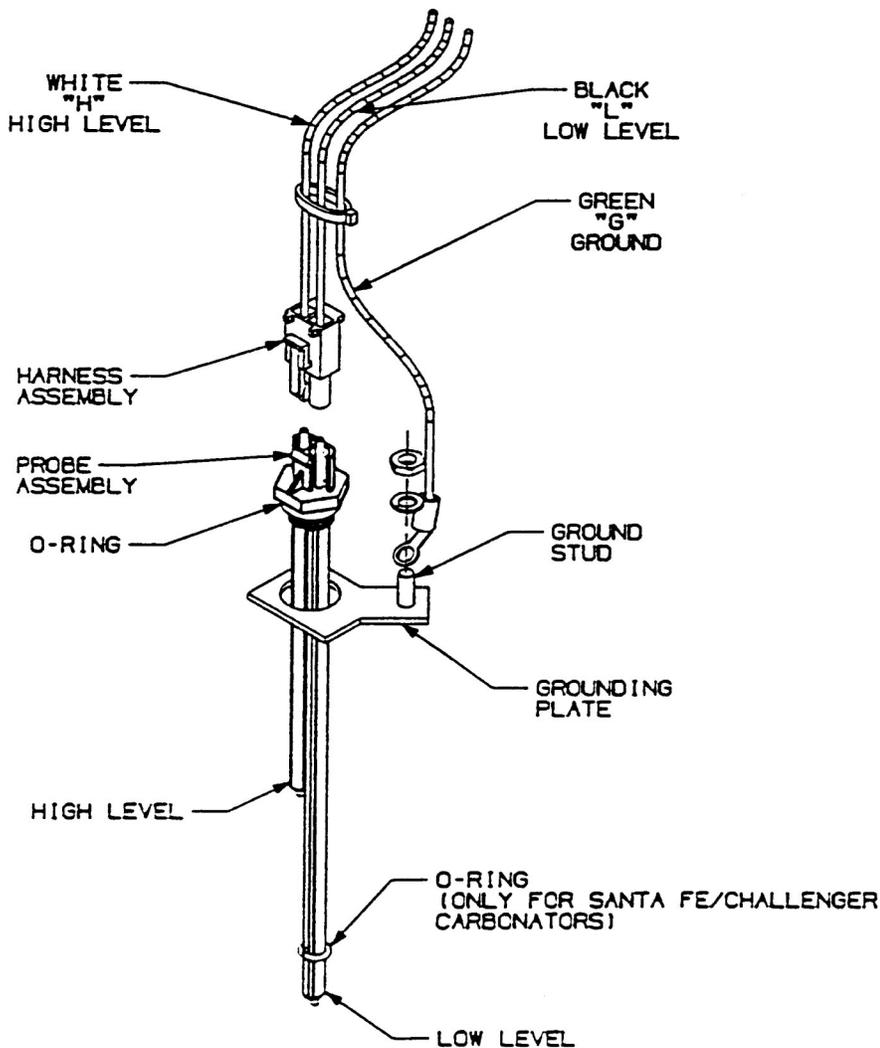


Figure 1.

The following is a list of new service replacement kits for liquid level probes on all carbonators (ambient and cold) except Niagara models).

Table 1.

New Kit Part No.	Equipment Used On	Old Probe P/N Replaced
711200000	Santa Fe, Challenger	80001001
711200001	D80 Plus, Omega Plus	85178100
711200002	CTC/UCCR40, CTC/UCC/UCCR20	261020
711200003	CTC/UCC20, UCC40	260421
711200004	Carbonators–97-inch Wire Assembly	39582005, 39582006, 39582008, 30093
711200005	Carbonators–24-inch Wire Assembly	39582001, 39582009, 46822, 66973

The following is a reference list of new probes and wire assemblies for current equipment.

Table 2.

Current Equipment Used On	New Probe/Wire Assembly Part Numbers
Santa Fe	710660000/710200010
D80 Plus, Omega Plus	710660001/710200011
CTC/UCC/R40, CTC/UCC/UCCR20	710660001/710200016

SHUTTING UNIT DOWN

NOTE: Only qualified Personnel should install the replacement level probe.

WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

WARNING:

Water and CO₂ to the system must be turned off and the system depressurized prior to performing this service.

Failure to comply could result in serious injury, death or damage to the equipment.

INSTALLING NEW CARBONATOR LEVEL PROBE

1. Remove necessary housings or covers to allow access to the carbonator tank level probe and electrical connections.
2. Disconnect the probe wire connections at the electrical box quick-connect if provided, or directly from the liquid level electronic board and remove them from the electrical box.
3. Unscrew the existing level probe from the carbonator tank. Remove and discard the O-Ring and washer.
4. Examine the new plastic probe to verify it is straight. Replacement probes on Santa Fe and Challenger ambient carbonators should have an O-Ring around the plastic housing just above the low level metal tip (see attached illustration).
5. Screw in the new level probe with new O-Ring and grounding plate. The grounding plate studs faces upward on the tank. Also, the plate confines the O-Ring beneath the probe hex. The probe should be finger tightened, then add an extra ¼-turn with a wrench. Over-tightening is not required for sealing the O-Ring, and may cause a leak.



6. Attach the green ground wire to the ground stud and secure with nut and lock washer provided.
7. Re-attach the probe wire to the electrical box or directly to the liquid level board as required.
8. **Note—On the Liquid Level Control the white** wire attaches to “H” high level circuit, **black** wire attaches “L” low level circuit, **green** wire attaches to “G” ground circuit. Remove any separate ground wires attached to the ground quick connect on the Liquid Level Control.
9. Re-assemble covers and housings as required.

RESTORING UNIT TO OPERATION

1. Turn water supply on to Unit.
2. Vent carbonator tank relief valve until water spews from the valve.
3. Turn on CO₂ supply to the Unit.
4. Re-connect power to the Unit.
5. Actuate dispensing valve until carbonator cycles a few times and the drink carbonation level is re-established.

GENERIC CARBONATOR PROBE KITS (P/N 711200004 AND 711200005)

If the carbonator probe is being replaced with either of the kit part numbers above, the replacement probe High and Low level electrode lengths may require trimming to match the old probe.

1. Lay the old and the new probes side by side on a flat surface with the O-Ring seating faces on each probe flush with each other.
2. With a permanent marker, mark the High and Low positions of the old probe onto the new probes respective electrodes.
3. With a pair of wire cutters, carefully snip off the appropriate electrode lengths to make them equal.

WARNING:

Safety glasses must be worn when trimming the electrode lengths. The trimmed ends of the electrodes should be held in a clamp or place a cloth over the probe when performing the trimming operation.

Failure to comply could result in personal injury.