

INSTALLATION INSTRUCTIONS

DF/ED250Pro Field Kit (P/N 629087544)

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.

CO₂ (CARBON DIOXIDE) WARNING

DANGER:

CO₂ displaces oxygen. Strict attention **MUST** be observed in the prevention of CO₂ gas leaks in the entire CO₂ and soft drink system. If a CO₂ gas leak is suspected, particularly in a small area, **IMMEDIATELY** ventilate the contaminated area before attempting to repair the leak. Personnel exposed to high concentrations of CO₂ gas experience tremors which are followed rapidly by loss of consciousness and **DEATH**.

Installation of Low CO₂ Indicator Light

Table 1: Parts List

| Item No. | Part Number | Description | Qty. |
|----------|-------------|---|------|
| 1 | 620313223 | CO ₂ Pressure Switch | 1 |
| 2 | 77060500 | Tee 1/4MFL | 1 |
| 3 | 40502 | O-Clamp | 2 |
| 4 | 77010400 | 1/4 Barb Stem | 2 |
| 5 | 77045700 | 1/4 Flare Swivel Nut | 2 |
| 6 | 178025100 | 1/4 Flare Washer | 3 |
| 7 | 33666 | Indicator Light 24V | 1 |
| 8 | 620316401 | CO ₂ Light Harness | 1 |
| 9 | 620316402 | CO ₂ Pressure Switch Harness | 1 |
| 10 | 620313651 | Jumper CO ₂ Pressure Switch | 1 |
| 11 | 32870 | Splice | 2 |
| 12 | 50705 | Cable Tie | 8 |
| 13 | 620920638 | Label Low CO ₂ Light | 1 |
| 14 | 620919569 | Installation Instructions | 1 |

⚠ 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.

1. Remove the upper front panel which is secured to the cabinet by “hooks” that fit into slots on the cabinet front flange. Lift up on the panel right and left sides to disengage the hooks from the slots and then rotate the panel downward and forward to remove from the cabinet. Disconnect the (3) electrical harnesses at the rear of the front panel.
2. Remove the lower front splash panel (2 screws).
3. Locate the CO₂ supply line (1/4 beverage tubing) to the carbonator tank located on the right side of the unit above the cold plate (see Figure 1). Cut this line in an area that will be accessible for future servicing and install the CO₂ pressure switch with the fittings provided in the kit (see Figure 3).
4. Refer to Figure 2 for installing the CO₂ indicator light on the upper front panel. Remove the lid and straw holder by loosening (3) screws at the “key-holes” and lifting up to clear the screw heads. Remove the lower front ice portion control enclosure (4 screws) and disconnect the electrical harnesses as needed for reworking the enclosure. Locate and drill a 1/2 in. diameter hole in the enclosure as shown in Figure 2 for the indicator light. Insert the light from the front and “snap” into the mounting hole.
5. Refer to the wiring detail of Figure 4 to complete the electrical hook-up of the indicator light to the pressure switch and the 24V beverage transformer power source.
6. Route the electrical wires to the CO₂ pressure switch behind the beverage panel with the harnesses from the unit’s electrical control box. Remove the (6) screws securing the beverage panel to the cabinet. The panel can now be pulled down to provide access for routing the pressure switch wires. Secure the wiring with the plastic cable ties provided in the kit to avoid “pinching” (cutting) the wire insulation when the panels are assembled to the cabinet.
7. Connect electrical power to the unit. Before opening the water and CO₂ supply valves to the beverage system, verify that the CO₂ indicator light is on. The indicator light should go off when the CO₂ supply valve is opened.

8. Check for proper operation of the ice portion control system and the beverage system. Refer to the operation instructional label located on the upper front panel and the owners manual. The unit is now ready for operation.

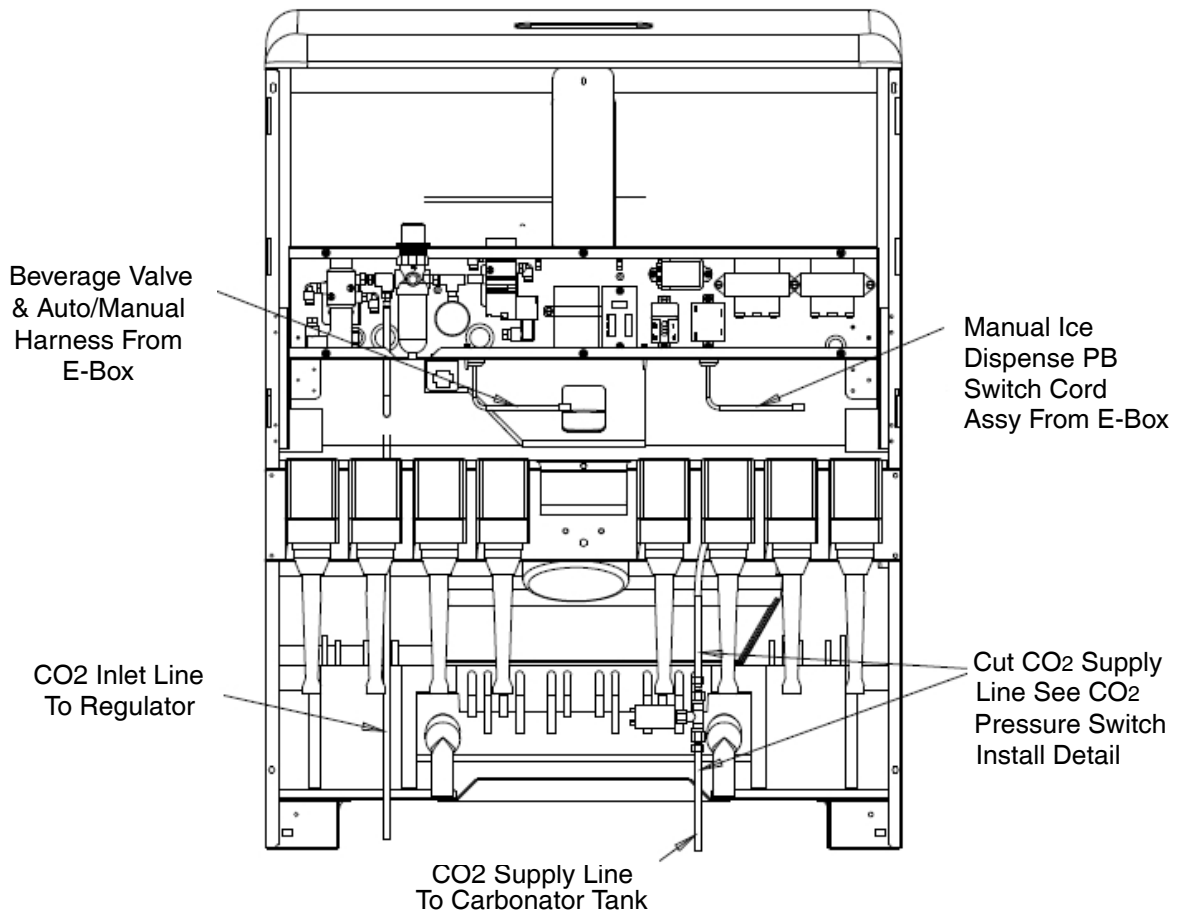


Figure 1.

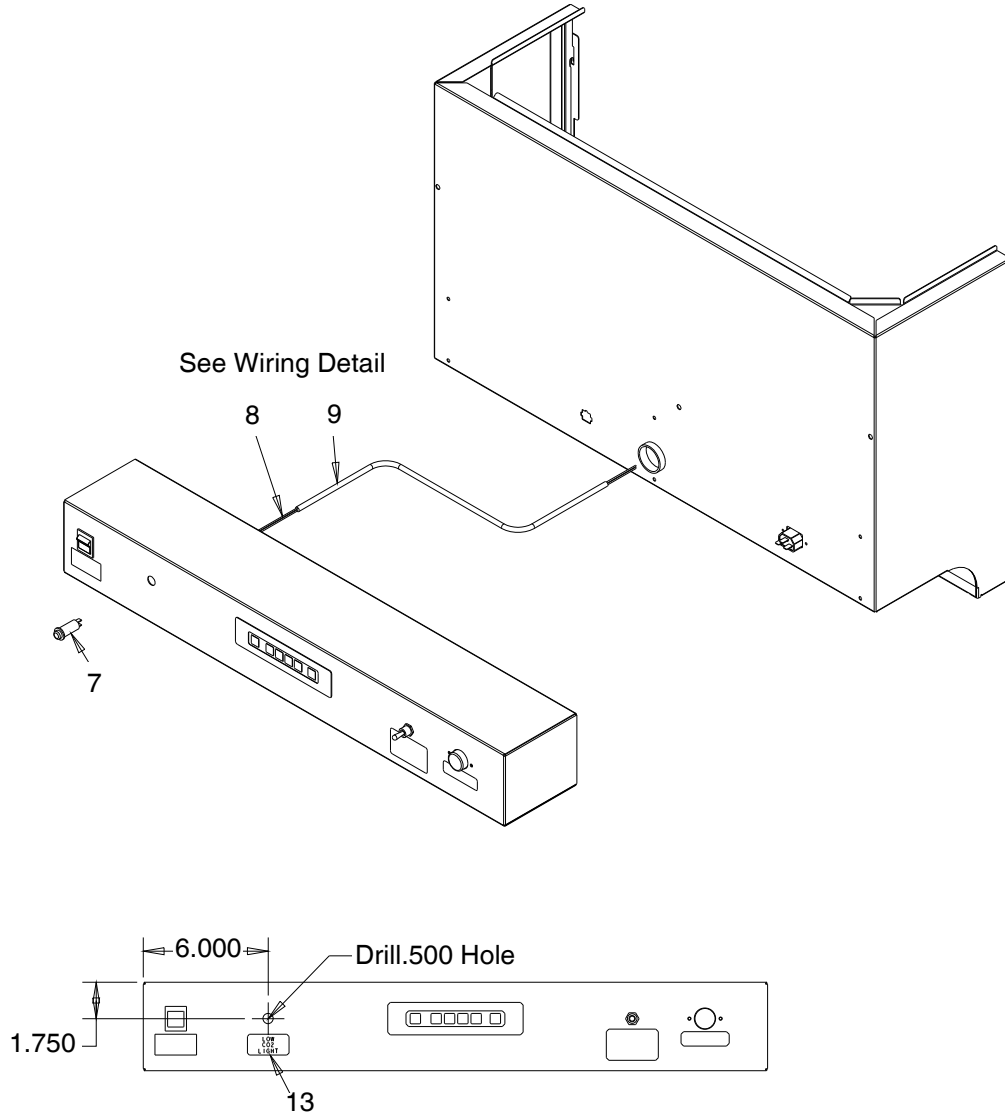


Figure 2.

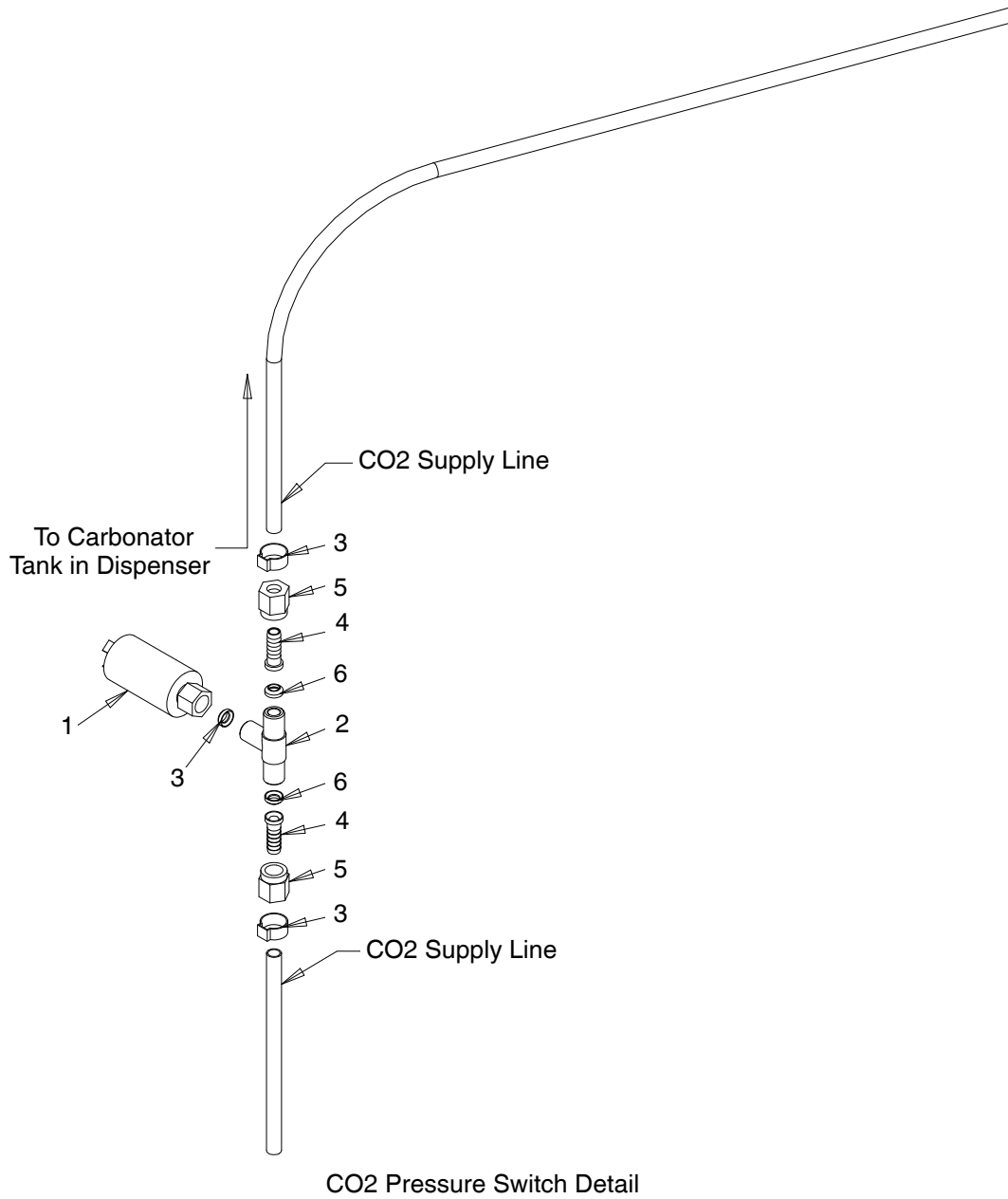
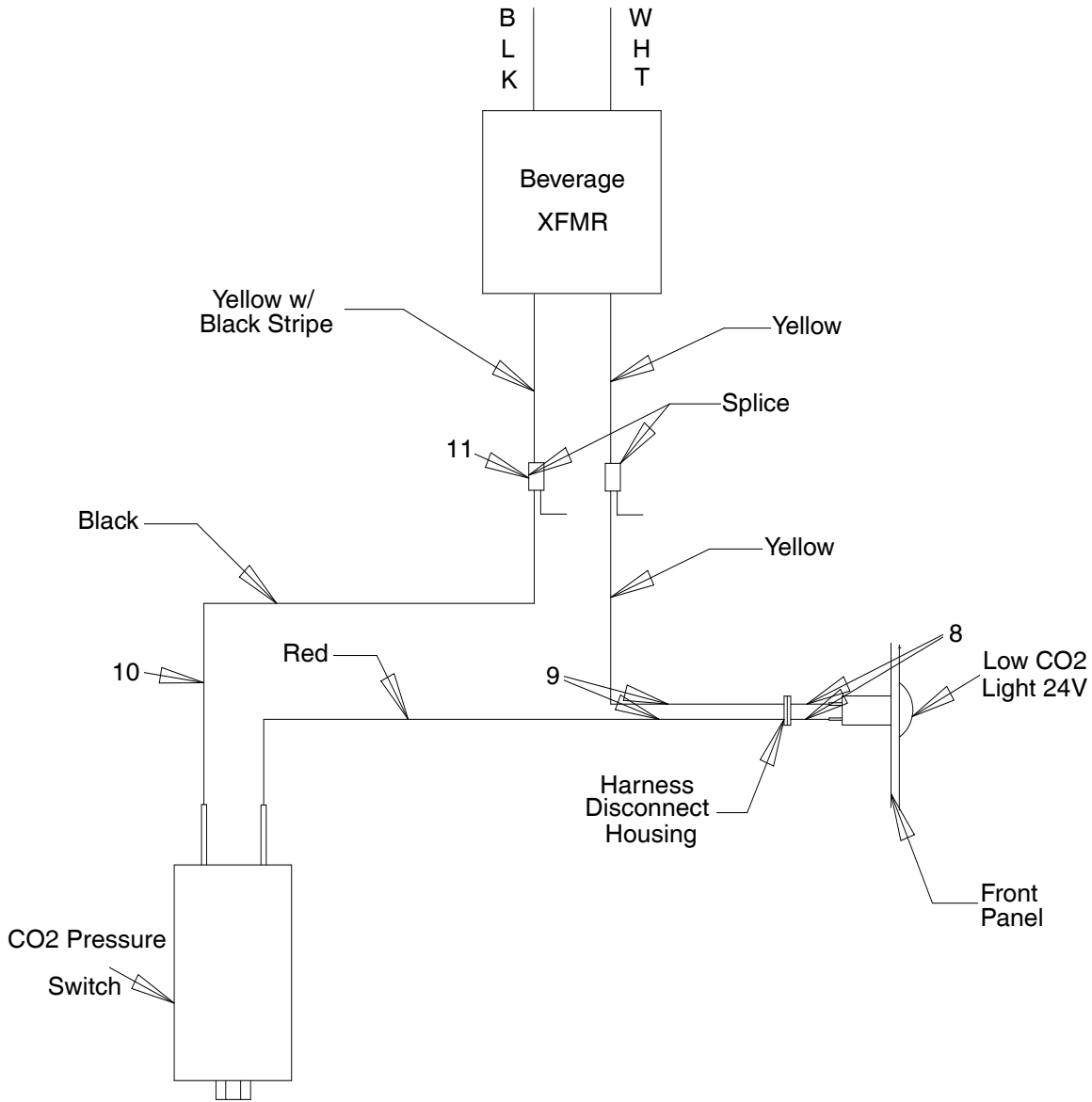


Figure 3.



Low CO2 Indicator Light Wiring Detail

Figure 4.