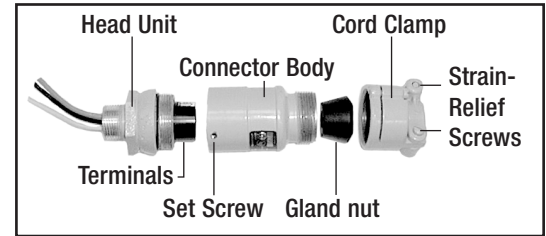


Installing Explosion-Proof Cord Connectors

For Model SBX__

Model SBX__ explosion-proof cord connectors provide a safe and legal way to splice cables, typically from pumps or float switches. The cord connector mounts to an explosion-proof junction box, over the pump or filter unit, where the components being spliced are within sight of the installer.



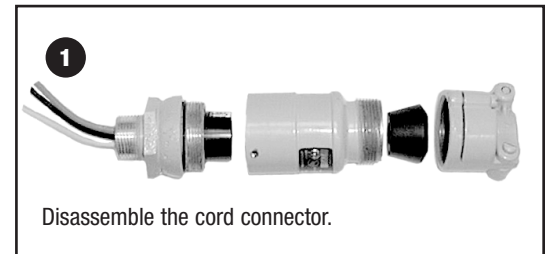
Step 1: Disassemble Cord Connector

Step 1a: Loosen the set screw on the connector body.

Step 1b: Unscrew the connector body from the head unit.

Step 1c: Unscrew the cord clamp from the connector body.

Step 1d: Remove the gland nut from the connector body.

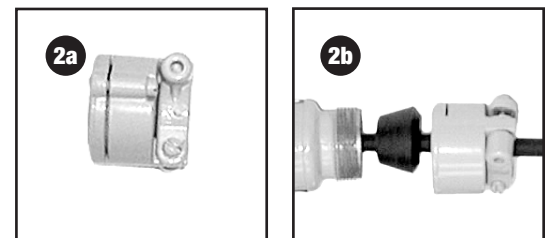


Step 2: Thread Cord

Step 2a: Loosen the strain-relief screws on the cord clamp.

Step 2b: Thread the pump cord through the cord clamp, the gland nut, and the connector body.

Note: The tapered end of the gland nut faces the connector body.



Step 3: Connect Wires To Connector Terminals

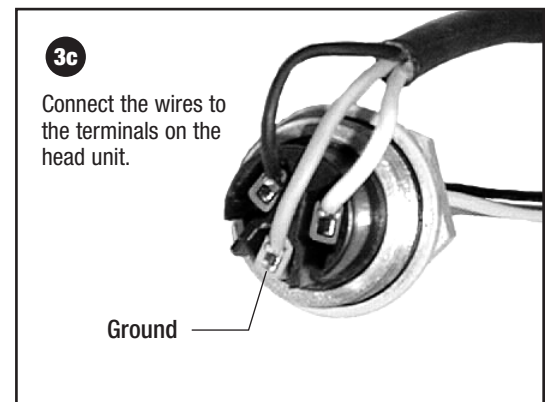
Step 3a: Strip 1 1/2 in. (38 mm) of outer insulation from the pump cord.

- Do not cut the insulation on the wires beneath.

Step 3b: Strip 5/8 in. (16 mm) of insulation from the end of each wire.

Step 3c: Connect the wires to the terminals on the head unit.

- Connect the green ground wire to the center connection (painted green).
- With the ground connection oriented downward ...
 - Connect the white (or red) wire to the right of the ground connection.
 - Connect the black wire to the left of the ground connection.



Step 4: Reassemble Cord Connector

Step 4a: Screw the head unit onto the connector body until it's tight against the seal.

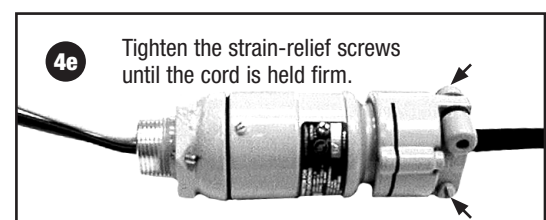
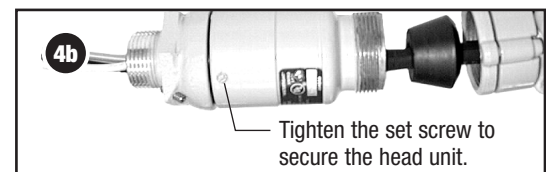
Step 4b: Tighten the set screw on the connector body to secure the head unit.

Step 4c: Push the gland nut into the connector body

Step 4d: Screw the cord clamp onto the connector body.

Step 4e: Tighten the cord clamp's strain-relief screws until the cord is held firm.

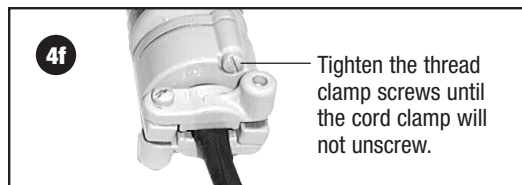
IMPORTANT! Do not overtighten the strain-relief screws; overtightening may damage the cord.



Step 4: Reassemble Cord Connector, con't

Step 4f: Tighten the thread clamp screw until the cord clamp will not unscrew.

- The thread clamp keeps the cord clamp tight.
- This requires a properly sized screwdriver – the screw will be hard to turn.



Step 5: Install Cord Connector on Junction Box

Step 5a: Hold the cord connector with the exposed wire ends directed up.

Step 5b: Twist the assembly five times to the left to pre-twist the pump cord.

Step 5c: Push the wires with the exposed ends through one of the explosion-proof junction box's elbows and into the junction box.

Step 5d: Tighten the cord seal down on the elbow (at least five turns).

Note: Don't let the wires inside the junction box become excessively twisted.

Step 5e: Tighten the head unit's set screw until it is tight against the elbow.

- Use a 2-mm Allen-head wrench.

Step 5f: Repeat steps 1-5 as needed for additional cord connectors.

- A third cord connector can be added directly to the bottom hub.

