

Fluidotherapy connector replacement

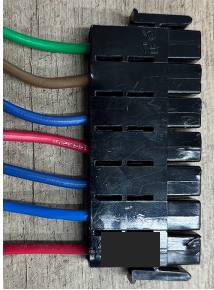


Fluidotherapy Connector Kit Chattanooga

Kit GSI-CHFT-CONKIT01

For replacement of a matching seven-position connector. Verify housing shape, keying and fit against the existing connector before cutting any wire.

WARNING - Disconnect power first. Turn the machine off, unplug it from the wall, and verify it is de-energized. Allow hot parts to cool. Qualified service personnel only; follow the machine manufacturer's service and access procedures.



Match the housing orientation



Cut only one wire at a time



Measure the strip length

Photos illustrate handling only. Wire colors and positions are not a wiring diagram; strip length is not to scale.

Replacement procedure

- 1 Disconnect the connector.** Release the housing latches and separate the connector by holding the housings. Do not pull on the wires.
- 2 Transfer one wire at a time.** Photograph and label the original positions. Place both housings in the same orientation, with their wire-entry ends facing the same direction. Match the keying and end features before each transfer.
- 3 Cut the selected wire.** Cut just behind the old housing. Preserve enough wire length for a connection without tension. Stop if the wire, mating connector or board shows heat damage or deterioration.
- 4 Strip the wire.** For the supplied loose-piece contacts and hand crimping, remove **6.99-7.87 mm (0.275-0.310 in.)** of insulation per AMP 408-3198. Do not nick, cut or remove strands.
- 5 Crimp the new contact.** Use the correct die for the 14 AWG wire and supplied contact. Position all strands in the wire barrel, keep insulation out of the barrel, and complete the tool's full crimp cycle. Inspect against the reverse-side criteria.
- 6 Install the contact.** Insert from the wire-entry end into the matching cavity (see page 2). Orient its locking feature toward the internal housing latch and push until it locks. Pull back lightly on the wire to confirm retention. Do not force.
- 7 Repeat for all seven contacts.** Complete cutting, stripping, crimping and insertion for each wire before moving to the next. Confirm every wire matches its original cavity and all seven contacts are retained.

Before returning to service: Verify the wire-to-cavity mapping and crimp quality, restore wire routing and strain relief, and reconnect until both housing latches engage. Refit covers and complete the manufacturer's required electrical-safety and functional tests. Do not use on a patient until the equipment passes.

Tools and preparation



Use wire cutters, a 14 AWG wire stripper, and an **open-barrel crimper with matching dies**. A similar 14 AWG tool may be used if its crimp meets AMP 408-3198. Photos illustrate tool styles only; verify die and contact compatibility. A wire-size marking alone does not establish suitability.

Open-barrel crimper styles - examples only

Crimping and contact inspection

GSI-CHFT-CONKIT01 | Keep with the installation instructions

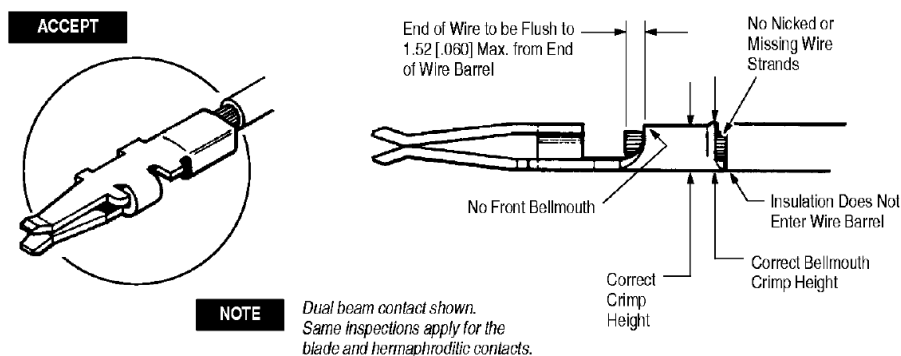


Hand crimp reference from AMP 408-3198

Wire size	Strip length	Crimp height	Crimp width	Bellmouth height
14 AWG	6.99-7.87 mm	2.44 ± 0.05 mm	3.56 mm	2.95 ± 0.25 mm

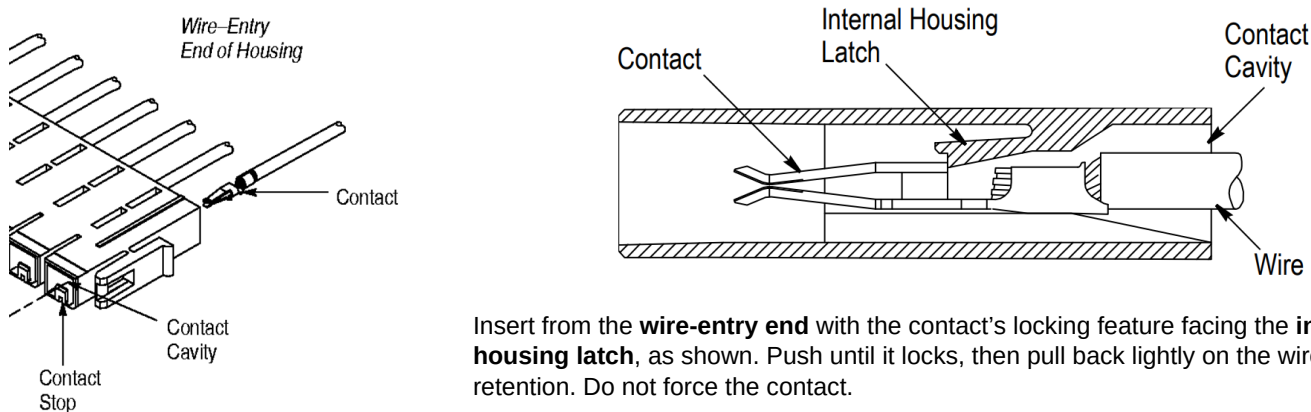
Hand-tool values from Rev D, page 2, for the supplied loose-piece contacts. Follow the applicable tool instructions for setup and measurement. Strip length in inches: 0.275-0.310.

Inspect every crimp before insertion



Accept: all strands captured, no nicked or missing strands, no insulation in the wire barrel, no front bellmouth, and no contact distortion. The conductor end must be flush with the barrel end or project no more than **1.52 mm (0.060 in.)**. Reject and replace a damaged or nonconforming contact.

Insert and lock each contact in the housing



Insert from the **wire-entry end** with the contact's locking feature facing the **internal housing latch**, as shown. Push until it locks, then pull back lightly on the wire to confirm retention. Do not force the contact.

Installer responsibility and limitation of liability

This kit and instruction sheet are intended for qualified service personnel. The installer is responsible for confirming compatibility, preserving the original wiring, selecting suitable tools, completing the repair correctly, and verifying electrical safety and proper operation before returning the machine to service. These instructions supplement the equipment manufacturer's service information and do not certify the repaired equipment.

To the extent permitted by applicable law, Geneva Systems Inc. (GSI BioMED) is not responsible for injury, equipment damage, loss of use, or other losses caused by incorrect wiring, improper crimping or installation, unsuitable tools, misuse, or failure to follow required service and testing procedures. Nothing in this notice excludes liability or rights that cannot lawfully be excluded.

Crimp reference: AMP 408-3198, Rev D. Technical illustrations excerpted from AMP Incorporated materials. Chattanooga is referenced only to identify the intended equipment application.