



Installation of Thermal-Flex Stock Rails & Crib Heaters

1. Carefully roll out the stock rail heater along the outside of the stock rail. Ideally, the heater should begin a minimum of 12” before the point. If the rear connector or a splice joint on longer systems ends over an obstruction, **(a track brace or splice bar)** move the heater forward enough to compensate for this.
2. Measure aluminum shield and insulation to fit between the braces leaving approximately 1” space on each end. Cut 1” legs of shield and insulation with hacksaw, then bend back and forth until it snaps. Cut another piece that will fit from the outside knuckle of the front connector to 1” before the first brace. **Rip out enough insulation so that the entire connector will not be insulated.** The uninsulated part of the shield will hold the connector against the rail.
3. Hold the connector and first length of heater along the neutral axis of the rail and **gently** bend the heater out around the brace. Place the aluminum channel and insulation over the heater and secure with a few track clips. This is easily achieved by placing one hand under the bottom of the rail pushing the clip up. Firmly hit the heel of the clip with a hammer until it snaps in place.
4. The easiest way to make the bend on the opposite side of the brace, is to hold the heater about 3-4” past the brace and bend the heater out. This will make the second, or inside bend. Then **gently** push the heater into the rail.
5. Repeat steps 3 and 4 **(minus the connector)** until the entire stock rail heater is installed remembering **not to insulate the rear connector.**
6. The opposite stock rail heater is installed using the same procedure.
7. Crib heaters are centered under the rods with flat side facing up as noted on sticker. Be sure the heater **does not** come in contact with any part of the switch as this will cause shunting of the signaling system. The straps are then anchored to the sides of the ties with duplex nail fasteners.

For additional assistance and/or questions, contact Thermal-Flex Systems, Inc.

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INSTALLATION PRECAUTIONS

- **CAREFULLY ROLL OUT RAIL HEATERS**
- **DO-NOT PLACE WELDED JOINT ON LONGER RAIL HEATERS OVER BRACE OR OBSTRUCTION**
- **DO-NOT INSULATE CONNECTORS**
- **WHEN SPLICING LEADS ALLOW ROOM FOR HEATER MOVEMENT**
- **MAKE GENTLE SWEEPS WHEN BENDING RAIL HEATERS**
- **DO-NOT HIT RAIL HEATERS WITH HAMMER**
- **DO-NOT STAND CRIB HEATERS UPRIGHT ON CONNECTOR LEADS**
- **SECURE CRIB HEATERS AWAY FROM RODS TO PREVENT RAIL SHUNTING**
- **OBSERVE ALL LOCAL ELECTRICAL CODES**