

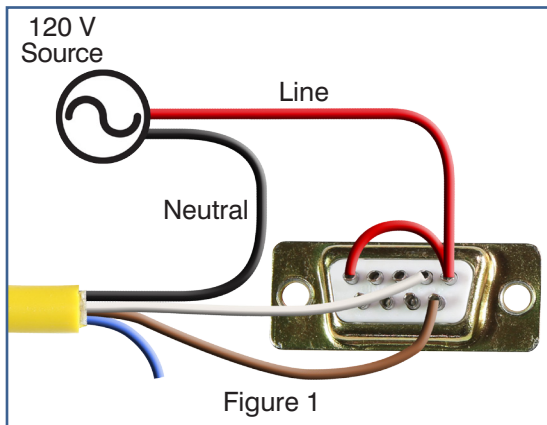
**Step 1. Review** your kit. Make sure the following parts are included:

Part Number	Description
39559	Red/green signal tower light
37638	9 Pin DSUB connector (male)
38256	9 Pin DSUB connector shell with 4 screws
15898	Heat shrink tubing (6 inches)

You will also need a flat head screwdriver, wire cutter, soldering iron and solder.

**Step 2. Solder** the signal tower wires to the rear of the 9 Pin connector as illustrated in Figure 1.

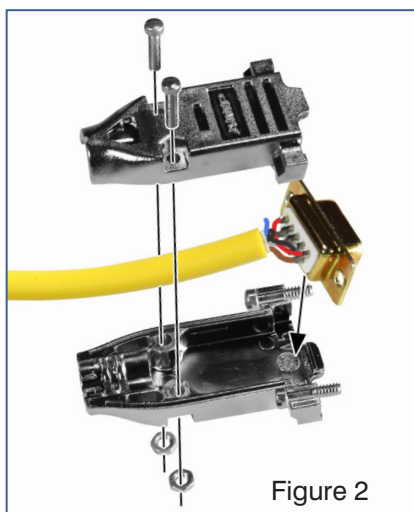
**WARNING** DO NOT work with live voltage when making the connections described in this document. Ensure that any power sources are off or disconnected when making connections between the Signal Tower Light and 9 Pin DSUB connector.



Wire Color	Description
Black	Neutral from 120 V Supply
White	Pin 2
Brown	Pin 6
Blue	Not used
Line or "Hot" wire from a 120 V Supply to Pins 1 and 5 on the 9 Pin connector	

**Note:** You will be responsible for wiring the 9 Pin connector and signal tower wires to LINE and NEUTRAL from an external supply. It is recommended to use solder and heat shrink in order to connect NEUTRAL to the black wire of the signal tower light and LINE to the 9 Pin connector and external supply.

**Step 3. Assemble** the 9 Pin connector and connect to the instrument, as illustrated in Figure 2.



1. Connect the wired 9 Pin DSUB male connector to the bottom part of the connector shell.
2. Clip the top part of the connector shell over the 9 Pin connector. Ensure the 9 Pin connector is secured by both sections of the shell.
3. Push the two fully threaded screws through the connector shell holes.
4. Secure the nuts on the opposite end of the threaded screws using a screwdriver.
5. Plug the connected assembly into the SIGNAL OUTPUT port on the rear panel of the safety testing instrument.
6. Using a screwdriver, screw the partially threaded screws to secure the 9 Pin connector assembly to the rear panel of the instrument.

**Step 4. Verify** the test is in process, the PROCESSING bit will be active and the red signal light will illuminate. This indicates that the testing station is not safe to approach. When the test completes with a pass, the green light will momentarily illuminate.