



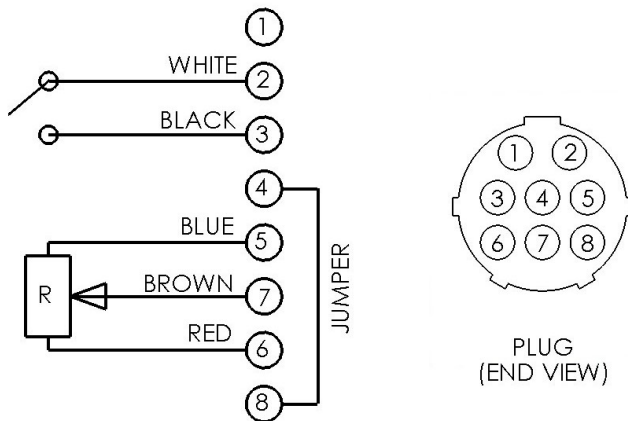
# THE SSC CONTROLS COMPANY

PREMIER INDUSTRIAL CONTROLS

## Wiring Diagram and Test Instructions

SSC model number C850-0825

(also for ESAB 10-4015, 10-4016, 600285 Foot Pedals)



For models C850-0825; ESAB / Thermal Arc 10-4015, 10-4016, 600285; CigWeld W4015800; and Firepower 1442-0025

### How to check the potentiometer:

Using a multimeter on the Ohms setting, check pins 5, 6, and 7 at the end of the plug (with the pedal unplugged). The results should be as follows, with a smooth change in output as the pedal is pressed.

#### With pedal up:

pins 5-7 (blue-brown) = 5000 ohms

pins 6-7 (red-brown) = near zero

#### With pedal down:

pins 5-7 (blue-brown) = near zero

pins 6-7 (red-brown) = 5000 ohms

Note: Resistance tolerance is  $\pm 10\%$  (any value within 10% is acceptable).

### How to check the switch:

Use the multimeter's continuity (beep test) setting to check pins 2 and 3. It should show continuity (connection) when the pedal is pressed and turn off when released. This is what energizes the torch and activates the gas flow when it is pressed.

### How to check the jumper wire (pin 4-8):

Use the multimeter's continuity (beep test) setting to check pins 4 and 8. It should show continuity (connection) at all times.

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