

Service Notice Number: 20230105-2

Date: January 5, 2023

To: Lincoln Authorized Service Facilities

Power Wave 300C Advanced STT Resistor Wires Potentially Reversed

Product(s) Covered:

Machine	Code #	Serial Range
POWER WAVE 300C ADVANCED	12943	U1201107982, U1201206978, U1210107738, U1210203799, U1210203812, U1210402148, U1210404656, U1210801300, U1210803889, U1210804236, U1210805723, U1211005422, U1211005417, U1211005449, U1211005994, U1211200790, U1220102973, U1220102993, U1220104912, U1220102983, U1220108398, U1220108395, U1220205371, U1220205435, U1220302014, U1220303507, U1220501666, U1220501672, U1220501689, U1220504421, U1220506166, U1220601585, U1220507750, U1220702733, U1220706986, U1220600993, U1220800912

Symptom:

Poor weld performance when welding STT.

For any Lincoln Electric Power Wave 300C brought to you for service that meets the definition of "Covered Products" above, please perform the following Service Updates and Tasks.

Recommended Action:

1. Remove both case sides to gain access to inspect the wiring of the STT resistors.
2. On the right side of the machine inspect the leads connecting to the four large resistors near the front of the machine. The top two resistors should have gray wires connected to both sides. The bottom 2 resistors should have white wires connected to both sides as shown in Figure 1 below.

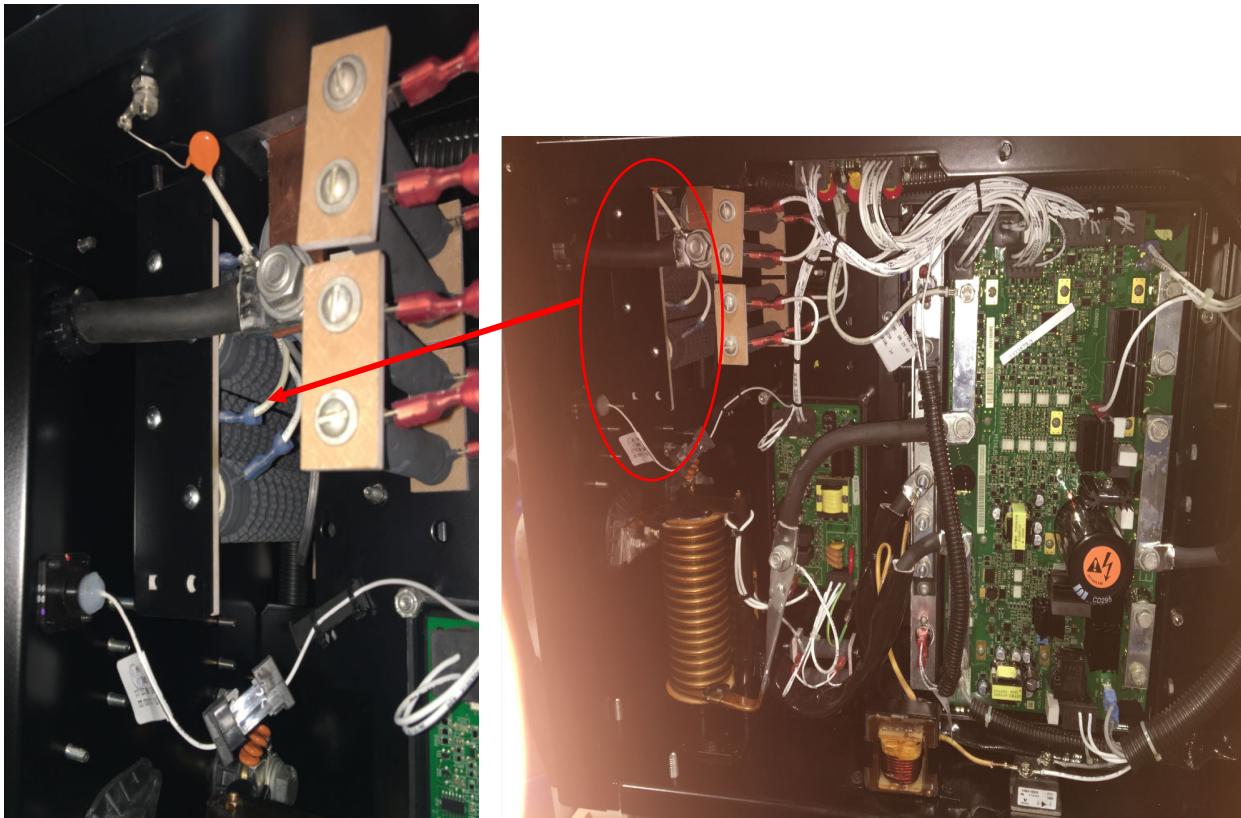


Figure 1. Right side STT resistor wiring connections

3. On the left side of the machine inspect the leads connecting to the four large resistors near the front of the machine. The top two resistors should have gray wires connected to both sides. The bottom 2 resistors should have white wires connected to both sides as shown in Figure 2 below.



Figure 2. Left side STT resistor wiring connections

⚠ WARNING:

Unauthorized repairs performed on this equipment may result in danger to the technician and machine operator and will invalidate your factory warranty.

Service and repair should only be performed by Lincoln Electric Factory Trained Personnel. If for any reason you do not understand the test procedures or are unable to perform the test/repairs safely, contact the Lincoln Electric Service Department for electrical troubleshooting assistance before you proceed. If in the United States or Canada Call 1-888-935-3877 or email service@lincolnelectric.com.

Bradley Barnes

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