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BULLETIN # 229

MILLER XMT350

HELP 8 MESSAGE WITH UNDERWATER WELDING

When an XMT350 is used for electrode welding under water, the error message HELP 8 may appear on the display. This is due to an unexpected value of voltage/current feedback when the arc is broken, due to the difference in conductivity of water in comparison to air. Disabling the boost circuit prevents this problem.

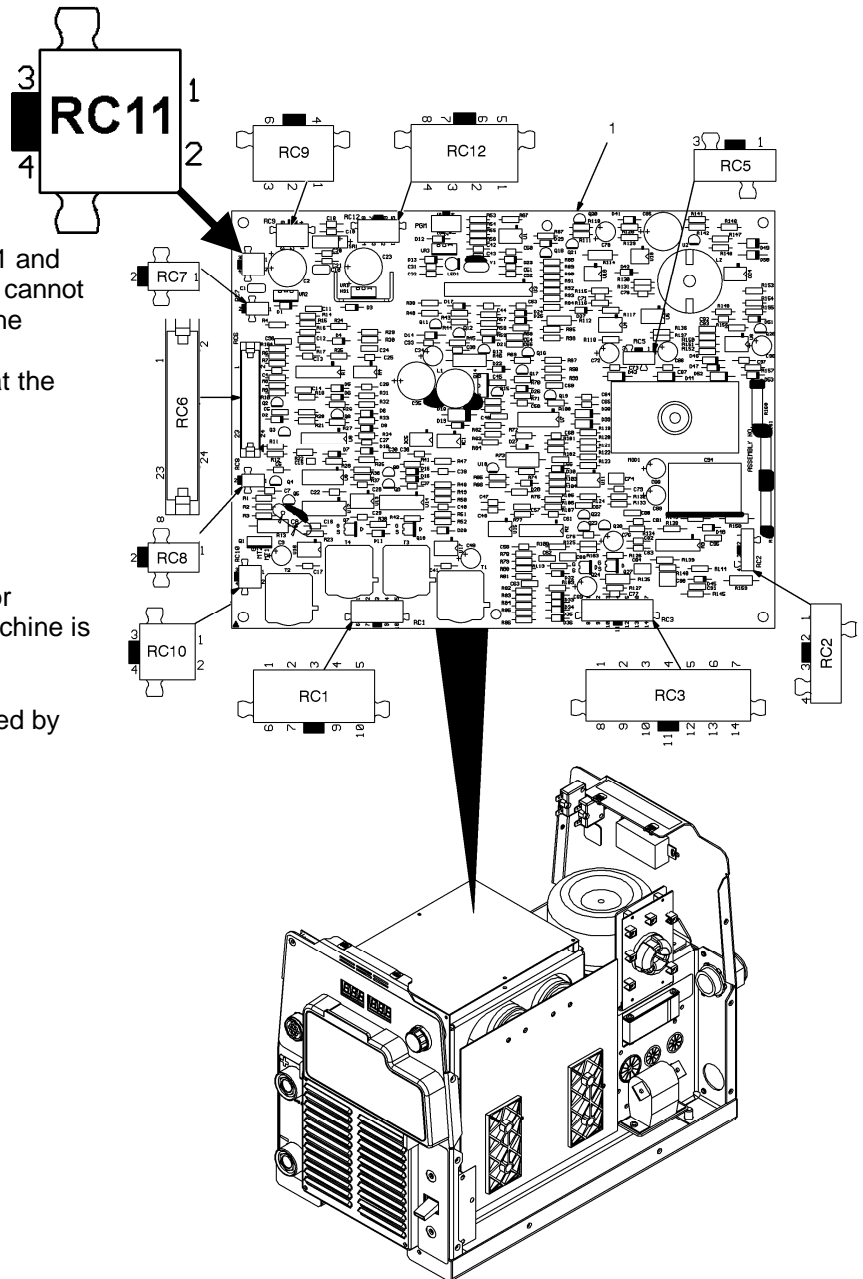
These instructions describe how to disable the boost circuit on an XMT350 to allow it to perform welding under water without erroneous display of error message HELP 8.

PROCEDURE:

1. Isolate the power to the welder.
2. Remove the outer cover.
3. Locate 4 pin connector RC11 on the PC1 Circuit Board as per diagram.
4. Remove connector RC11 from PC1 and secure it with tape or cable tie so it cannot electrically contact other items or the cover.
5. Refit the outer cover and check that the welder operates correctly.

The boost circuit may be left disabled, or RC11 can be connected again if the machine is not being used for under water welding.

The machine warranty will not be affected by disconnecting RC11 connector.



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