



Hypertherm HPR Ignition Console Instruction Manual

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Hypertherm®

HPR Ignition Console
Instruction Manual



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Introduction and purpose

The HPR Ignition Console consists of recyclable and reusable parts. Use these instructions to disassemble the HPR Ignition Console for recycling and reuse.

Before you begin, designate bins for the following three recycling categories:

- plastics
- mixed metal recycling
- E-waste

You can salvage items like the fan shroud, air filter, power switch, heat sink, capacitors, power cord, transformer, inductors, and resistors for resell to an online market if they are in working condition. This document suggests where you can resell and reuse these salvageable items. Generally, the repurpose price is more than the value in scrap. Because scrap prices fluctuate almost daily, there is an incentive to recycle and repurpose rather than dispose of these components in landfills.



WARNING

ELECTRIC SHOCK CAN KILL

Disconnect electric power before doing installation or maintenance. You can get a serious electric shock if electric power is not disconnected. Electric shock can seriously injure or kill you.

All work that requires removal of the plasma power supply outer cover or panels must be done by a qualified technician.

Refer to the Safety and Compliance Manual (80669C) for more safety information.

Tools needed

The HPR Ignition Console disassembly can be accomplished with basic hand and power tools that are readily available worldwide.

Individual tools and sizes needed

- TORX® driver – T20
- Screwdriver – Phillips® head
- Socket size – 1/32 inch, 11/32 inch, 5/16 inch, 7/16 inch, 1/4 inch
- Tin scissors (optional)
- Wire cutters

Example scrap values for U.S. markets, 2021

Disclaimer

Most of the components in the HPR Ignition Console system can be recycled at your local recycling facility, but the average price per pound or ton for these components varies based on geographic location. International customers should note that categories for recyclables are country-specific and may be different than the ones listed below. All prices are listed in U.S. dollars and represent the average national scrap values at a specific moment in time.

Total value

- Total weight of unit = 24.75 pounds

End market category	National average scrap value (U.S.)	
	(\$ per pound)	(\$ per ton)
Aluminum	\$0.50 – \$0.88	
Plastic	\$0.10 – \$0.58	
PCBs	\$0.50 – \$1.16	
Brass	\$1.34 – \$1.90	
Scrap copper	\$2.77 – \$3.34	
Power cords/Wires	\$0.72 – \$1.08	
Transformers	\$0.24 – \$0.48	
Mixed metal (ferrous)		\$1.90 – \$2.05

HPR Ignition Console systems

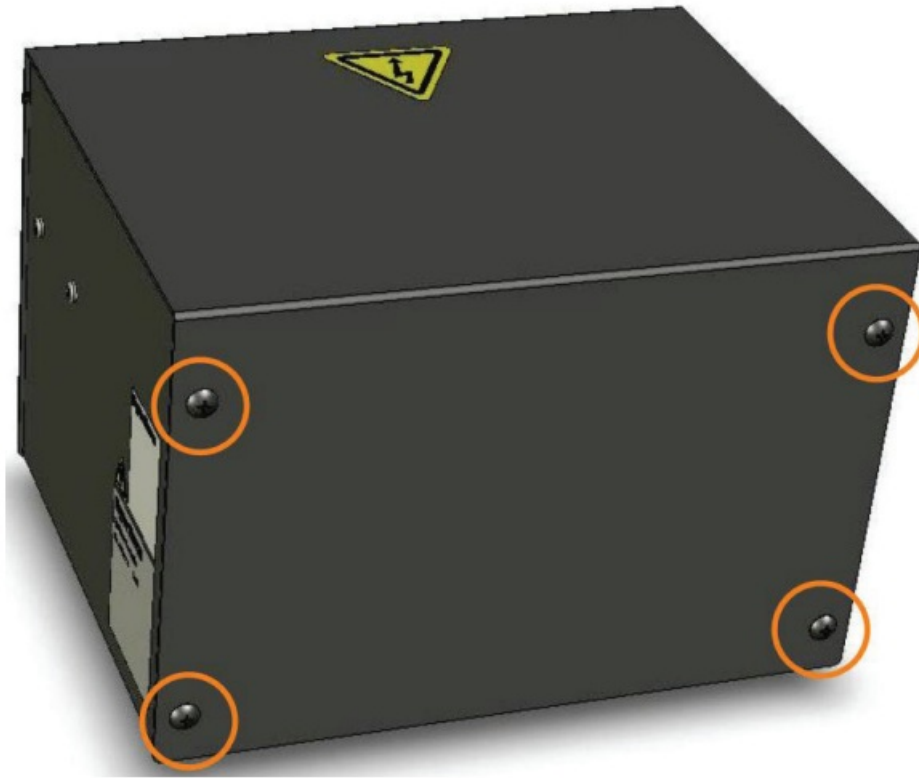
Step 1

Unplug the system from the power outlet and wait five minutes to allow all the stored energy to discharge before proceeding to Step 2.

Step 2

Remove the bolts using the T20 TORX driver.

Discard the bolts into the mixed metal recycling stream.



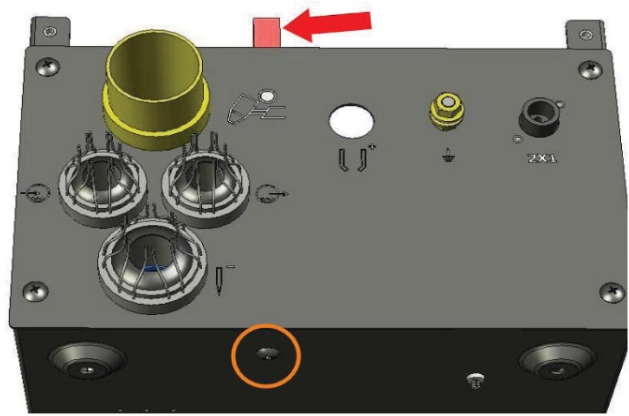
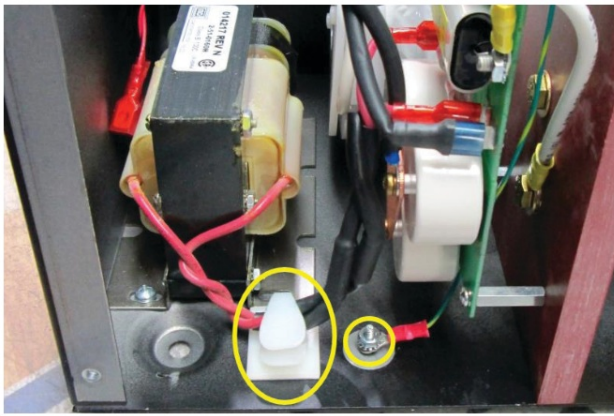
Step 3

Remove the bolts using the T20 TORX driver.
Discard the bolts into the mixed metal recycling stream.



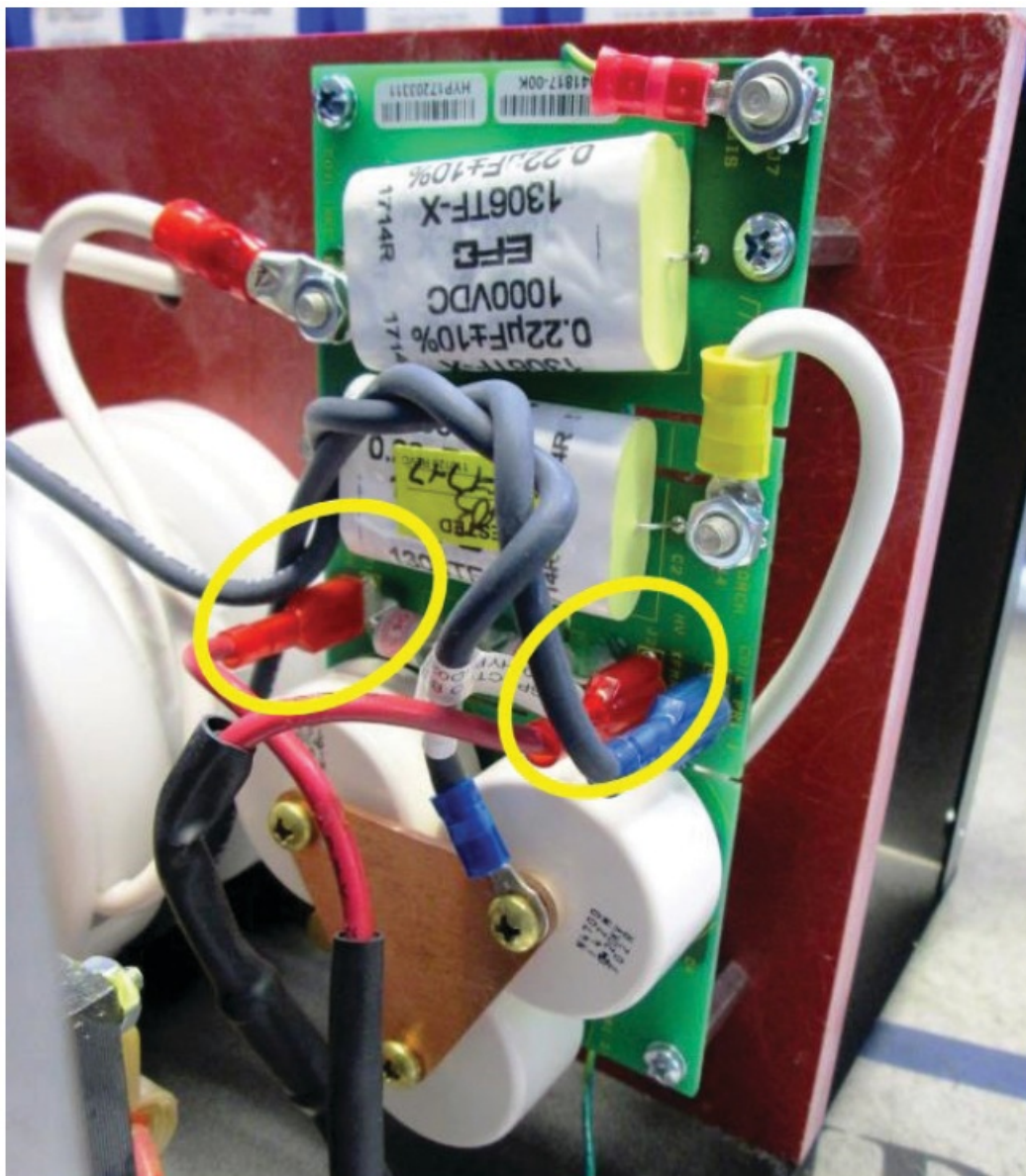
Step 4

Remove the bolts and nuts using the T20 TORX driver bit and a 5/16 inch socket. Discard the bolts and nuts into the mixed metal recycling stream.



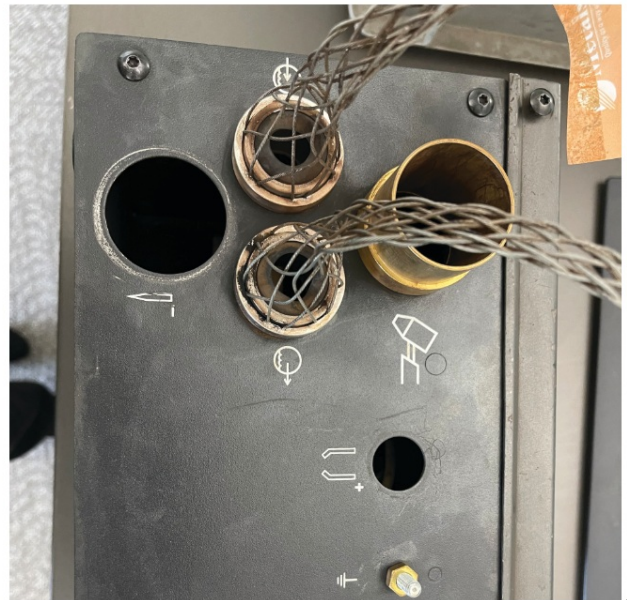
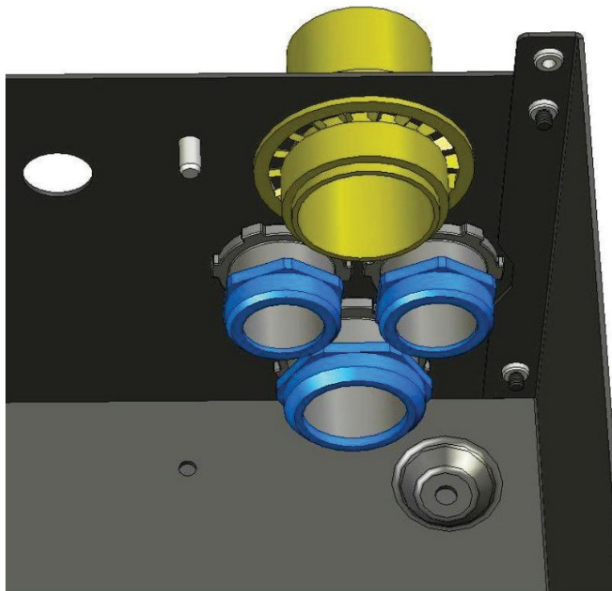
Step 5

Remove the nuts and screws using a 11/32 inch socket and a Phillips screwdriver. Pull to remove the wires. Discard the nuts, screws, and wires into the mixed metal recycling stream. Discard the PCB into the E-waste recycling stream.



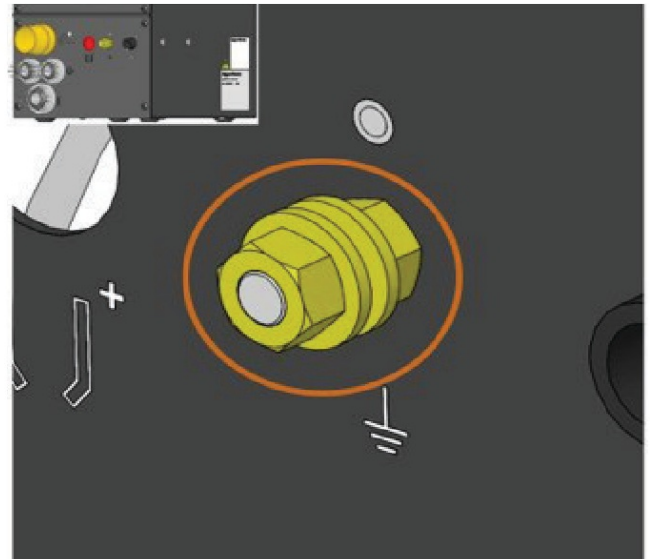
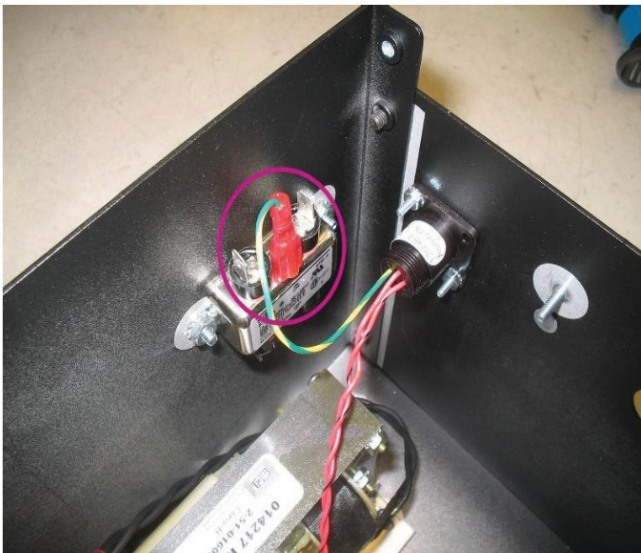
Step 6

Note: There is no need to remove the wires. You can optionally recycle them into the mixed metal recycling stream.



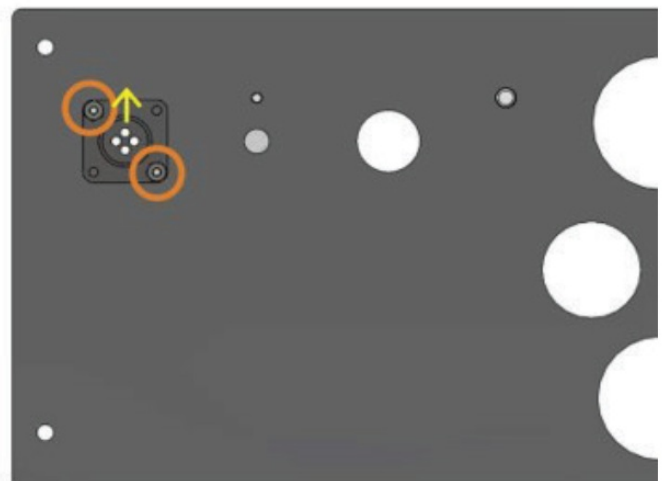
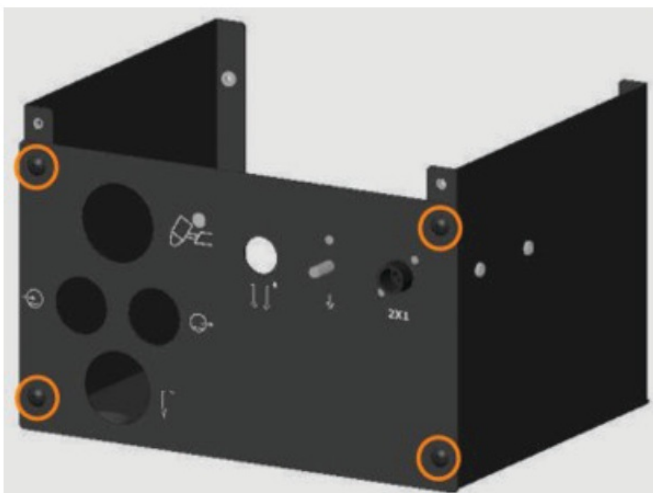
Step 7

Remove the nuts using a 7/16 inch socket and pull to remove the wires. Discard the nuts and wires into the mixed metal recycling waste stream.



Step 8

Remove the bolts and nuts using the T20 TORX driver and a 1/4 inch socket. Discard the bolts and nuts into the mixed metal recycling stream.



Step 9

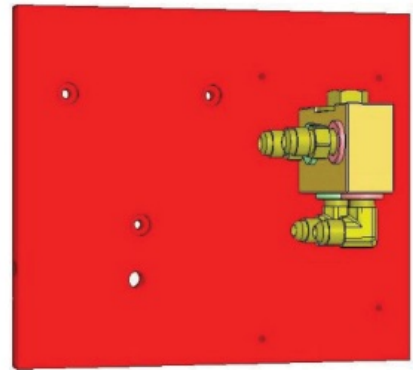
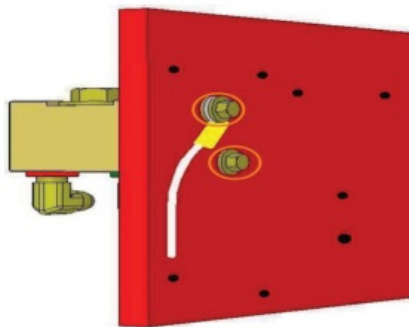
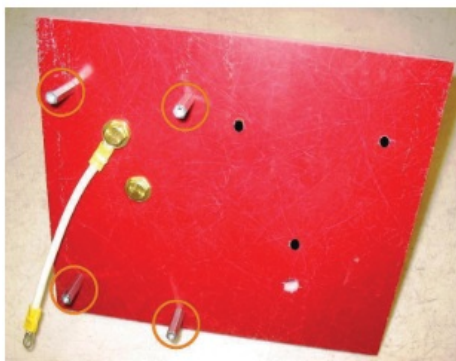
Remove the screws and nuts using a Phillips screwdriver and a 11/32 inch socket.
Discard the screws and nuts into the mixed metal recycling stream.

**Step 10**

Remove the screws and nuts using a Phillips screwdriver and a 1/32 inch socket.
Discard the screws and nuts into the mixed metal recycling stream. Discard the PCB into the E-waste recycling stream.

Step 11

Remove the nuts using a ¼ inch socket and a 7/16 inch socket.
Discard the nuts into the mixed metal recycling stream.



Engineered and assembled in the USA

ISO 9001: 2015

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Please visit www.hypertherm.com/patents for more details about Hypertherm patent numbers and types.

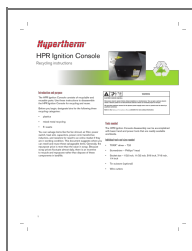
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Revision 0

Hypertherm[®]
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Documents / Resources



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HPR Ignition Console, HPR Console, HPR, Console, Ignition Console

References

- hypertherm.com/patents