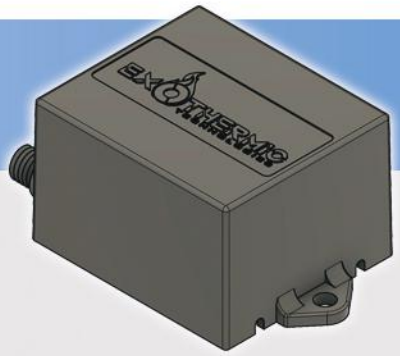
PULSEFIRE

IGNITION
REPLACEMENT GUIDE



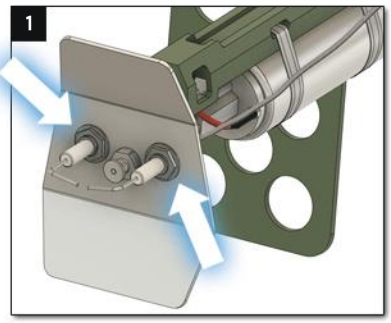
Tools required:

*May be required for certain configurations.

If you have any questions regarding this installation process, contact us at **info@exothermic.tech** and we'll be glad to assist.

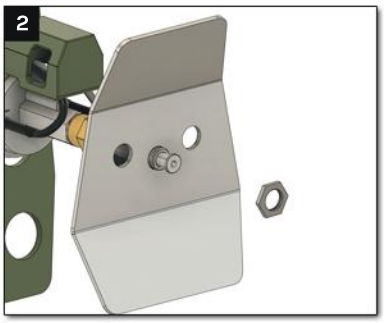
DISCONNECT BATTERY. DISCHARGE ANY LEFTOVER ELECTRIC CHARGE BY SHORTING THE ELECTRODES WITH A SCREWDRIVER WHILE HOLDING THE INSULATED HANDLE.

1



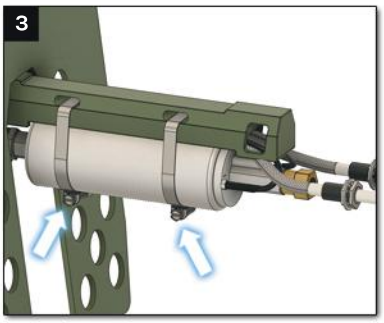
Remove existing electrodes from nozzle shield by unscrewing the nuts securing them.

2



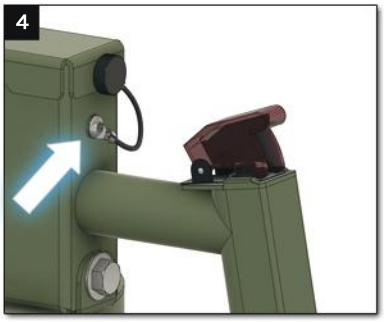
Remove the nut holding the nozzle shield to the nozzle, and remove the nozzle shield.
NOTE: If your original electrodes have brass threads, you can skip this step.

3



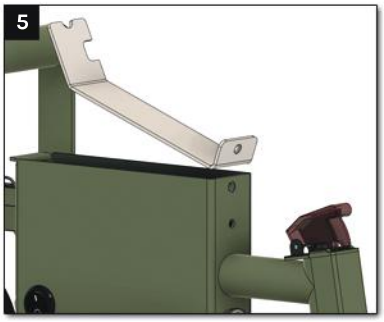
If your electrode wires are tucked, you'll need to loosen the clamps holding the fuel pump and feed the wires through. When reinstalling, be sure not to pinch any wires!

4



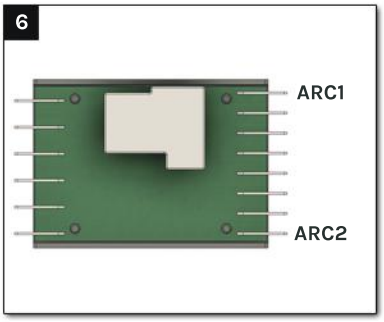
Remove the 3 mm hex key screw from the rear of the body.

5



Remove the plate separating the battery area from the internal wiring.

6

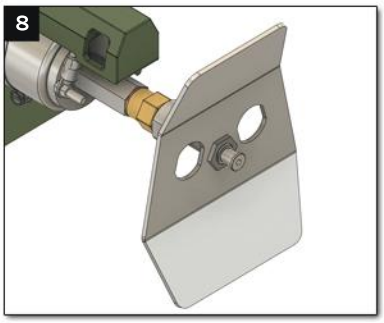


Remove the wires from the terminals marked **ARC1** and **ARC2**. Needlenose pliers may help.

7

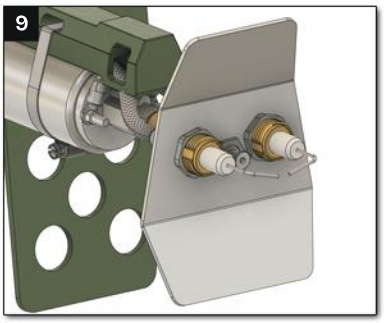
Remove the screws holding the HVT (high voltage transformer) to the bar.

8

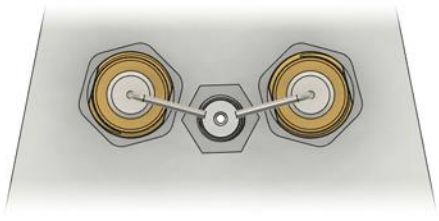


Install the new nozzle shield as level as possible. Secure tightly with nut. Ensure a copper washer is in place between the shield and nozzle to prevent any leaks rearward.

9



Mount the new HVT to the bar (re-using the same screws), connect the gray wire to **ARC1**, black wire to **ARC2**, reinstall the plate, and route and install the new electrodes.



Aligning the electrodes as shown will typically yield the best reliability.

Loosen the nuts first to make as much adjustment as possible. Only bend the metal wire if absolutely necessary, as excessive rotational force can break it free of the adhesive holding it in place inside the ceramic insulator.

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