

# METROQUIP

*Environmental Equipment Solutions*

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## ***New Basic Tank Maintenance Kits for CPMG Melters.***

***One often overlooked maintenance area is material tank maintenance.***

HTO oil changes should be performed yearly and burner chamber lining should also be replaced regularly. To ease ordering of correct items, CPMG has put together 2 kits for MAGMA melters.

To ease ordering correct items, CPMG has made 2 kits for Cimline melters; any vintage w/ diesel burner.

***Save 10% when buying kit versus ordering individual items separately.***



**Small/ Medium Melter Kit # 409185**

**(For M1, M2, 110, 150, 230 melters)**

**Includes:** (6) 5 gallon pails of HTO  
(1) Chamber Lining Kit  
(1) Extra chamber insulation square  
(1) fuel filter, burner



**Large Melter Kit # 409186**

**(For M4, 410 melters)**

**Includes:** (8) 5 gallon pails of HTO  
(1) Chamber Lining Kit  
(1) Extra chamber insulation square  
(1) fuel filter, burner

**\*A note on instruction and the importance of the items in this kit:**

**Heat Transfer Oil:** HTO needs to be changed on a regular maintenance schedule in order to keep the machine heating efficiently; this should be done every 500 operating hours or annually. The drain is at the base of the unit in between the axles you will see a  $\frac{3}{4}$ " pipe with a drain plug. New heat transfer oil can be filled through the top of the machine through the expansion tank larger plug next to the "T" handle (on the small tank on the machines topside)

**The combustion chamber box insulation:** very important for annual maintenance to keep efficient heating otherwise you are heating the steel that surrounds the burner flame; a flame that needs to be directed to the base of the heat transfer oil jacket to heat the oil that heats the material.

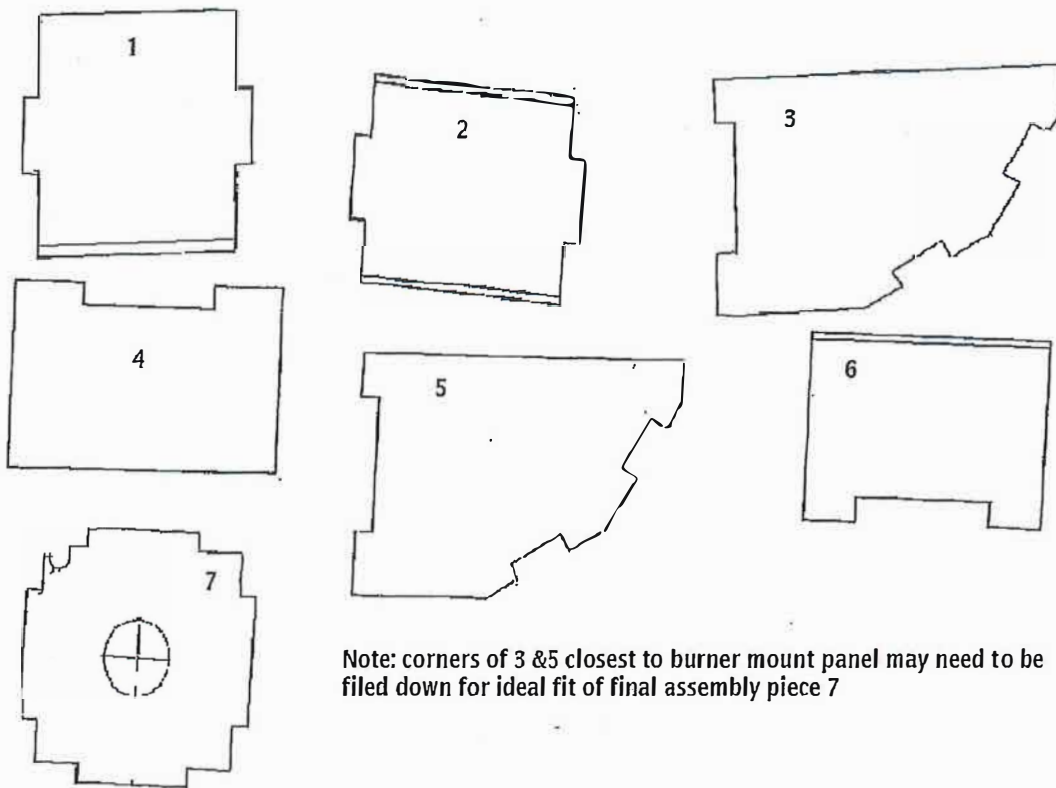
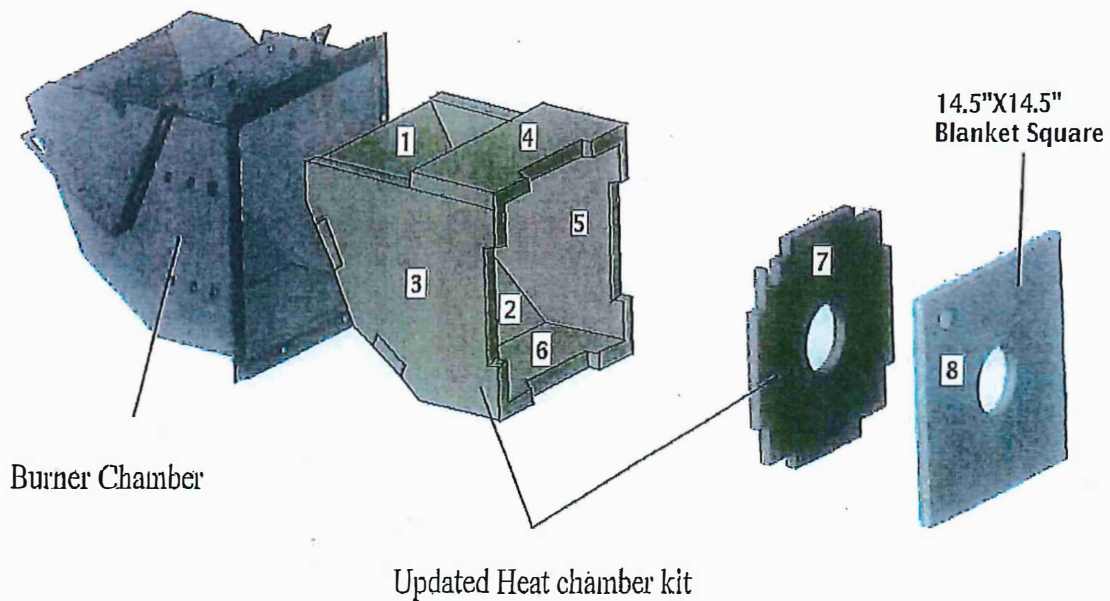
This new insulation kit now fits together like puzzle pieces to support itself without the use of a lining retainer. The blanket square is added heat protection for the brains of the burner (the primary controller). The last component to put in place when replacing the chamber lining is the blanket square. The blanket square is placed between the square hardboard insulation and the steel plate which the burner is mounted onto. Maintaining insulation on the burner mounting side protects all electronic burner components from excessive heat coming from the flame.

**The Burner Fuel filter:** this easy to change filter located at the base of the fuel tank is the sole filtration source of fuel to the burner – maintaining this filter can prevent down time and expensive damage to the burner as well as keeping an efficient contaminant free flame burning.

# Combustion Heat Chamber Insulation

## Order of Assembly:

Follow the numbered order below for best results and ease of assembly



Note: corners of 3 & 5 closest to burner mount panel may need to be filed down for ideal fit of final assembly piece 7