FIELD INSTALLATION INSTRUCTIONS

TITLE:	IDF High Limit Test and Replacement
NAME:	FII-015
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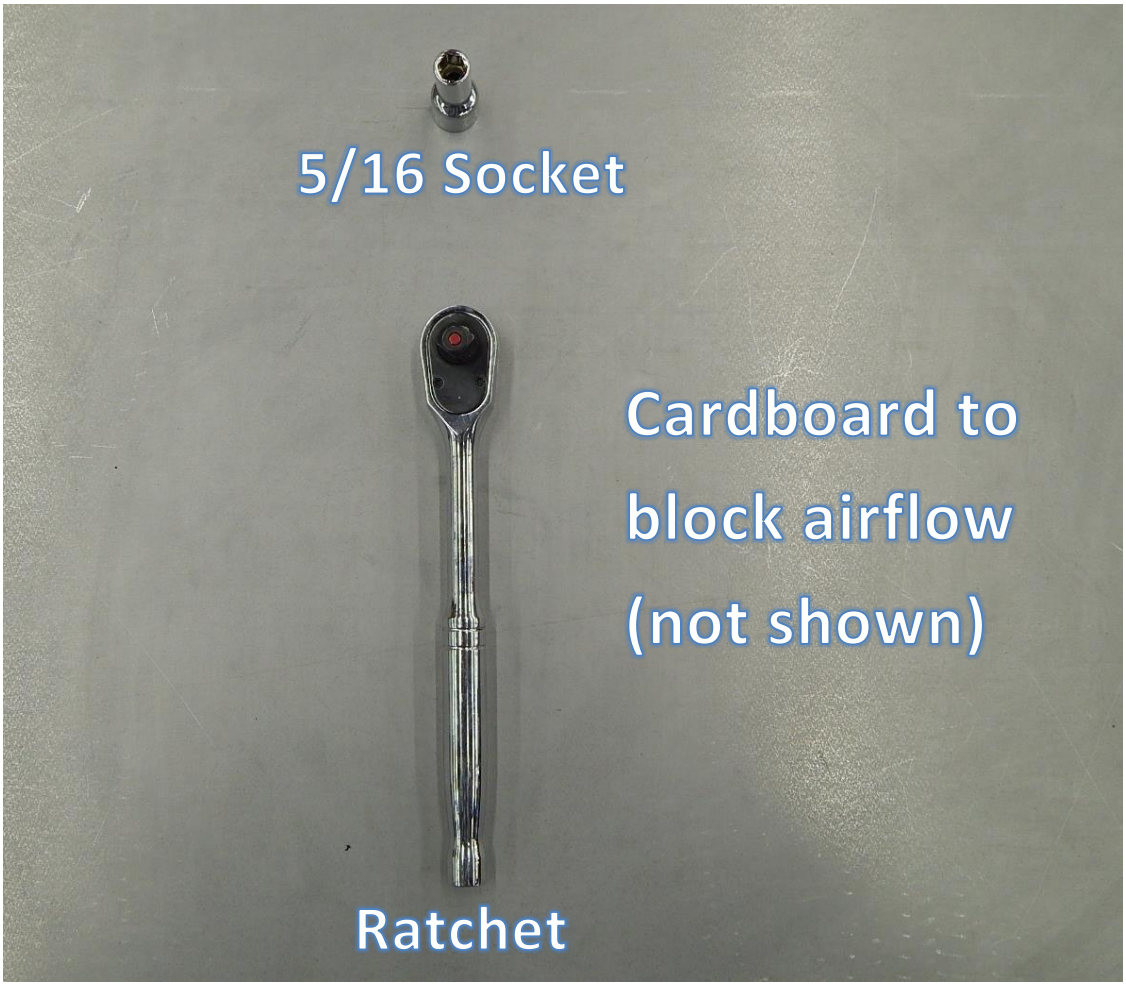
REVISION:	2

PURPOSE:

The intention of this FII is to demonstrate how to perform the high limit test which should be done every heating season to ensure the burner will shut down if temperature exceeds 220 ^{o}F and to show how to replace the high limit if necessary on an IDF Oil/Diesel unit.

TOOLS REQUIRED:



From left to right: Ratchet, 5/16 Socket, Cardboard to block airflow (not shown)

PROCEDURE:

Figure 1: Blocking the fan inlet

Step 1: Block the fan inlet of the unit using a cardboard wall cut to size to restrict the air flow in the unit. See Figure 1 for an example of how to block fan inlet.

NOTE: The cardboard must be cut to fit around the motor and motor mount of the fan inlet. Multiple cardboard pieces can also be used.

Step 2: Turn on the unit as you would normally.

Step 3: Let the unit run for 5 minutes to allow for the unit air temperature to increase past the acceptable limit.

Figure 2: Location of high limit on unit

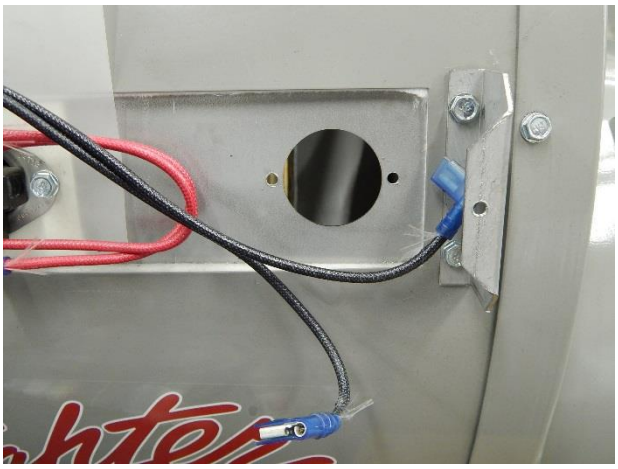


Figure 3: High limit removed from unit

Step 4: If the unit shuts down automatically this indicates that the high limit is functioning properly. But if the unit does not shut down and continues to run, than the high limit is defective and needs to be replaced.

Step 5: To access the high limit switch, you must first remove the cover by unscrewing the two screws at its sides. See Figure 2 for high limit location.

Step 6: With the high limit exposed, now you can unplug the wiring and remove the screws which directly hold the high limit to the jacket.

Step 7: Pull the high limit straight out and replace with a new high limit of the appropriate temperature setting. See Figure 3 for an example of a removed high limit.