

MHTD Series Instructions for Field Conversion to Propane



CAUTION: Read and understand this service bulletin thoroughly before starting. Only a trained, experienced service technician should attempt this service procedure.

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WARNING: This conversion kit shall be installed by a qualified service agency in accordance with the following instructions and all applicable codes and requirements of the authority having jurisdiction. If these instructions are not followed exactly, a fire, an explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of the conversion kit. The installation of the conversion kit is not proper and complete until the operation of the converted appliance is checked as specified in the appliance manufacturers instructions and the burner installation instructions.



DANGER: Before attempting service, turn off gas to burner and turn off power to burner and at burner disconnect switch. Failure to do so could result in personal injury or death.

Orifice Kit # (Model)	Part #	Description	Qty
3695050 (MHTD 4" 235mbh)	2123-61	3/4" Close Nipple w/ .302 Orifice	1
3695051 (MHTD 4" 500mbh)	2123-63	3/4" Close Nipple w/ .396 Orifice	1
3695052 (MHTD 6" 1000mbh)	2123-65	1" x 2-1/2" Nipple w/ .516 Orifice	1
3695053 (MHTD 6" 1500mbh)	2123-43	1-1/4" x 2-1/2" Nipple w/ .578 Orifice	1
All	2121-35	Natural to Propane Conversion Label	1 or 2
All	6237-00	Propane Conversion Label	1

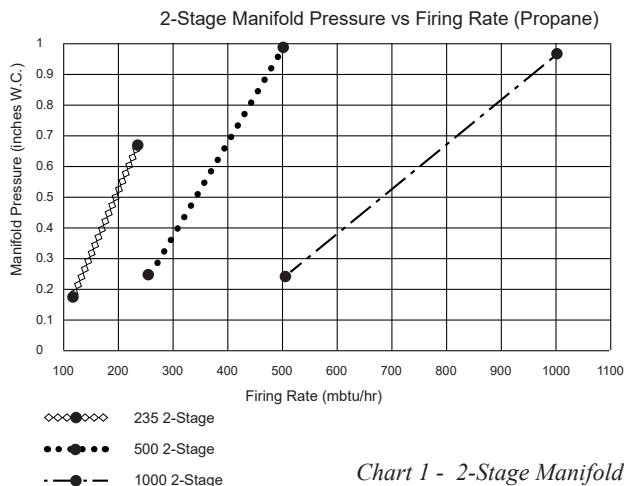


Chart 1 - 2-Stage Manifold Pressure (Inches W.C.) vs. Firing Rate (mbtu/hr)

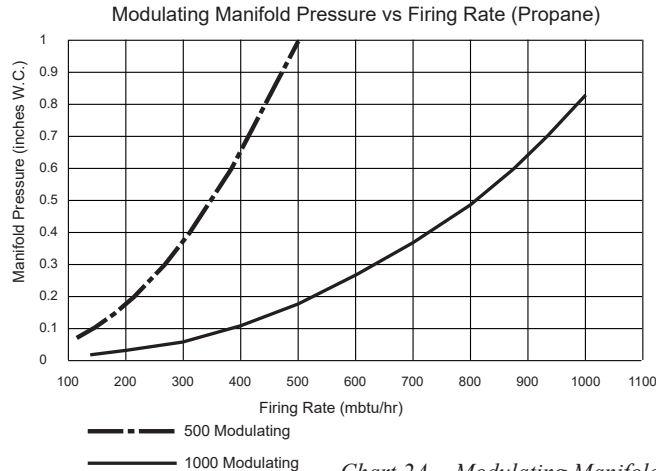


Chart 2A - Modulating Manifold Pressure (Inches W.C.) vs. Firing Rate (mbtu/hr) - 500 & 1000



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AVOID ERROR IN PARTS SELECTION. When ordering use complete MIDCO Part Number and Description. Furnish Burner Model Number, Bill of Material Number and Serial Number (if available) from the specification plate found on the product.

IMPORTANT: Availability of parts as well as specifications are subject to change without notice. Please consult factory for item availability.

SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings throughout this manual. They are printed in all capital letters using a bold type face as shown below, and preceded by the exclamation mark symbol. When you see the safety alert symbol and one of the safety information terms as shown below, be aware of the hazard potential.



DANGER: Identifies the most serious hazards which will result in severe personal injury or death.
WARNING: Signifies a hazard that could result in personal injury or death.
CAUTION: Identifies unsafe practices which would result in minor personal injury or product and property damage.



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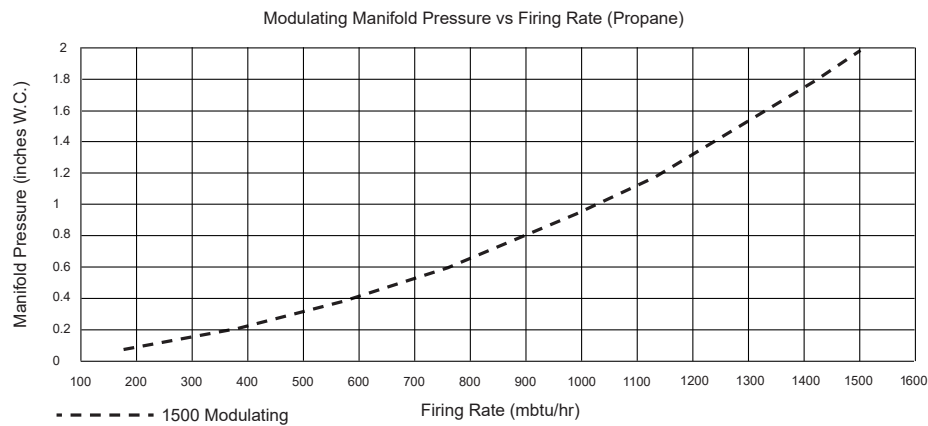


Chart 2B - Modulating Manifold Pressure (Inches W.C.)
vs. Firing Rate (mbtu/hr) - 1500

1. Turn off burner electrical and gas supply.
2. Remove nipple upstream of the union (See *Figure 1*), and replace with the nipple and orifice supplied in the conversion kit.
Ensure that the nipple is installed so that the orifice is closest to the burner (orifice side into union). **IMPORTANT!!** Refer to OEM manual, if available, for specific installation details.
3. Ensure there are no gas leaks and restore electrical and gas supply to burner.
4. Perform the initial start-up/adjustment procedures using *Chart 1* if burner is 2-stage or *Chart 2A / 2B* if burner is modulating.
5. Fill out tags/labels provided in conversion kit and attach/apply to burner and control box as shown in *Figure 2*.

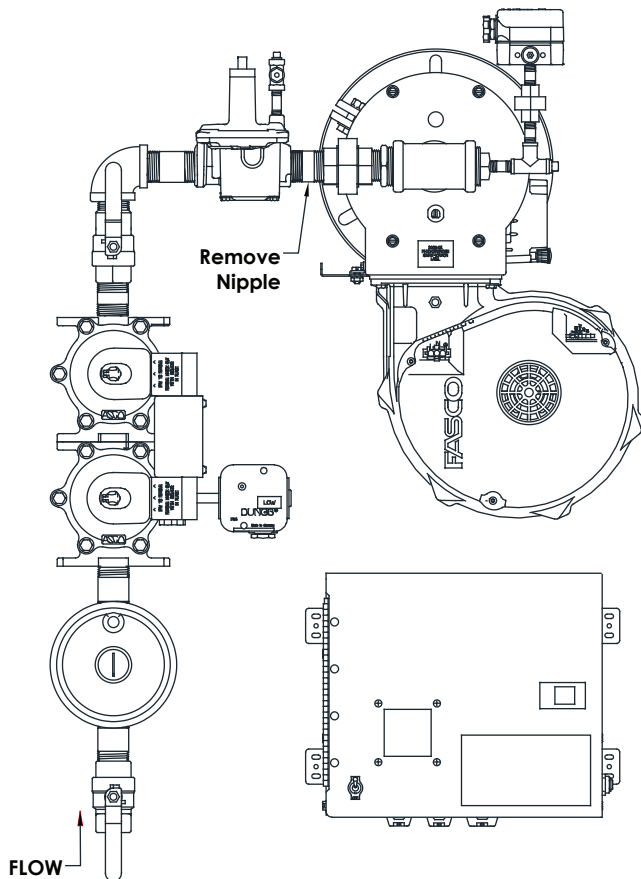


Figure 1 - Flow Direction

6237-00 2121-35

MHTD Gas Burner

MODEL: **MAXIMUM INLET PRESSURE:** W.C.

SERIAL NO.: **MINIMUM FIRING RATE:** BTU/HR

BILL OF MATERIAL:

CUSTOMER P/N:

TYPE OF GAS

PROP

FIRING RATE: BTU/HR

PRESSURE REQUIRED: W.C.

MANIFOLD PRESSURE: W.C.

MAX. CAPACITY: BTU/HR

PRESSURE REQUIRED: W.C.

MANIFOLD PRESSURE: W.C.

THIS UNIT WAS CONVERTED TO PROPANE ON (DATE):

Midco
INTERNATIONAL
CHICAGO, IL 60646

cFUS

CONTROLS

MOTOR

VOLTS **AMPS** **HZ** **PH** **HP**

2121-35 2005-00

Figure 2 - Kit Label Placement - Covering Specs and Gas Type

