



Gas Valve Kit 3108705.280 Replacement Instructions for Dometic RM 7030 Refrigerators with Weber Gas Valve

This Kit Includes:

(1)	2932061019	Gas Tube
(1)	2943298030	Gas Valve/Solenoid
(1)	2931824011	Nipple
(1)	2932063015	Nipple
(1)	0169380003	Plug Screw
(1)	2931826016	Thermocouple
(1)	3107810.024	Installation Instructions
(1)	3106375.011	Circuit Board

INSTALLATION INSTRUCTIONS

All field wiring modification should be made in compliance with the 1990 ANSI/NFPA N.E.C. and 1987 ANSI A119.2 for Recreational Vehicles.

⚠ WARNING

Shut off LP gas at supply source. Failure to follow these instructions could create a fire or explosion causing death or severe personal injury.

⚠ WARNING

Turn off 115 volt AC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.

1. Turn refrigerator selector switch to the "Off" position.
2. Disconnect 12 Volt DC Voltage at the refrigerator terminal block. (See Fig. 1, Item 126)
3. Remove burner cover. (See Fig. 1, Item 173)
4. Remove gas line from manual gas shut off valve to gas solenoid valve and discard. (See Fig. 1, Item 122)
5. Remove thermocouple and retaining clip. (See Fig. 1, Items 123 and 131) Discard thermocouple.
6. Remove solenoid valve, burner jet, washer, hex nut and washer. Disconnect wire lead to solenoid. (See Fig 1, Items 121, 153, 118, 115, and 149) Discard solenoid valve. Remaining parts will be reinstalled.
7. Remove electrical box cover and related parts as required. (See Fig. 1, Item 130)
8. Disconnect all leads on circuit board and remove board. (See Fig. 1, Item 162)
9. Install new circuit board using same screws. Refer to Fig. 2 when connecting wire leads to the new board.

⚠ WARNING

These instructions must be read and understood before installation is performed. Improper modification of this appliance can be extremely hazardous causing personal injury or property damage. This Kit must be installed by a qualified service person.

IMPORTANT: This circuit board is universal. Not all terminals will be used. It is very important to use the proper connections. Use Fig. 2 to determine which connectors to use.

Connect the yellow wire of thermocouple to the yellow wire of the circuit board. Press firmly to insure a tight connection. Connect the black wire of the thermocouple to the black wire of the circuit board.

10. Reinstall electrical box cover removed in step 7.
11. Assemble gas valve, nipples and plug screw as shown in Fig. 3. Use an approved LP gas pipe thread sealant.
12. Install assembled gas valve to burner box, using the burner jet, washer, hex nut and washer removed in step 6.
13. Install new gas tube (2932061019) from nipple 293206315 to manual shut off valve.
14. Reinstall burner end of thermocouple with retaining clip removed in step 5.
15. Lead for new gas valve is permanently attached to new circuit board. The molded plug end can now be attached to the new gas solenoid valve.
16. Reinstall burner cover removed in step 3.
17. Reconnect LP gas, 12 Volt DC and 120 Volt AC supply lines.

REVISION

Form No. 3107810.024 3/02
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FIG. 1

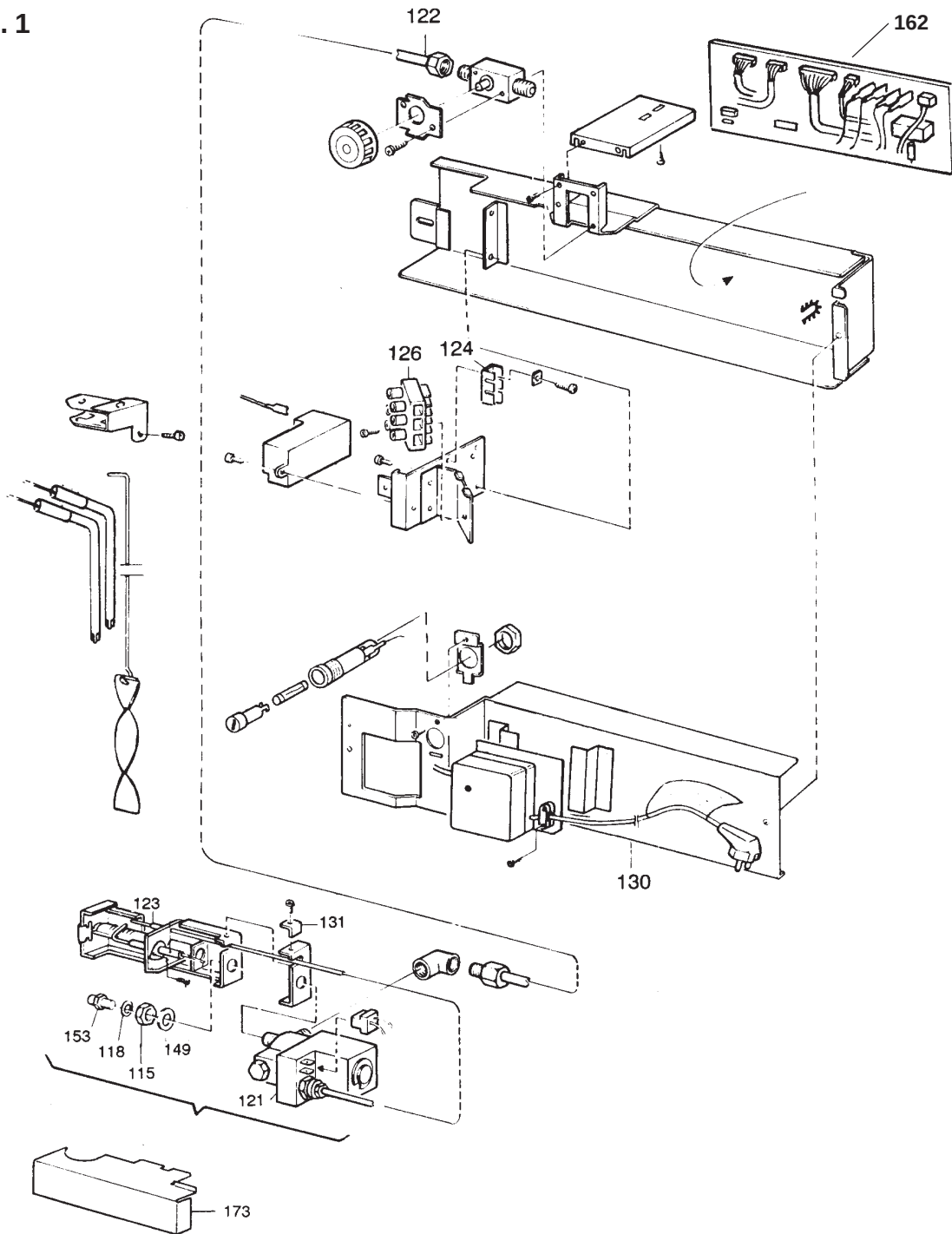
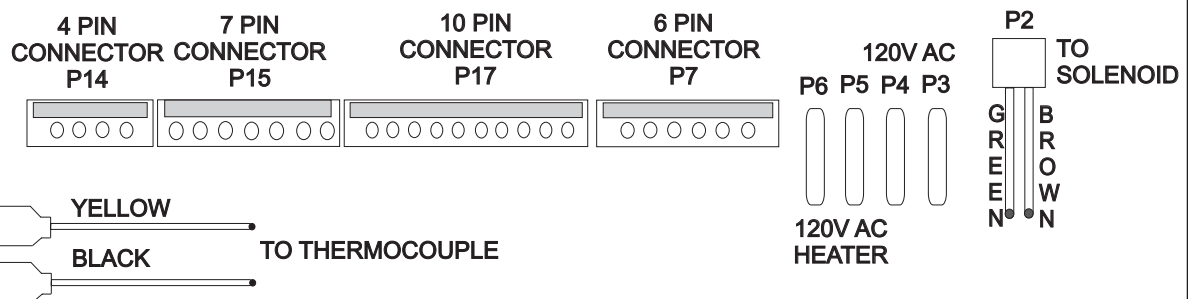


FIG. 2

RM 7030



IMPORTANT: Check all LP gas lines for possible leaks with an electronic LP gas leak detector or an approved LP gas liquid solution.

⚠ WARNING

Failure to test for and correct gas leaks could create a fire or explosion causing death or severe personal injury.

IMPORTANT: The electronic operation of the new circuit board will perform the same as the previous one with one exception. On the previous board, if for some reason the burner did not light on the first cycle attempt the red check light would come on indicating flame failure. On the new board the burner will attempt to light several times before the check-light comes on. This may take up to thirty-five minutes with the built-in delays between each ignition cycle.

FIG. 3

