



Rasmussen
THE GAS LOG COMPANY

RMC-1 / RMC-2

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RMC 399

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LISTING NO. 1180

Assembly, Installation, and Operation Instructions for Rasmussen "F" or "FA", Burner Accessory RMC-1 (Adjustable Flame Remote Control) or RMC-2 (Adjustable Flame Switch Control)

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. No untrained person should attempt to install, maintain, or service gas pressure controls.

REQUIRED TOOLS AND MATERIALS: Screw Driver; Adjustable Wrench; Pipe Wrench; Pipe Sealing Compound; (RMC-1) 4-AA Batteries, 1-9v Battery; (RMC-2) 4-AA Batteries.

PARTS LIST: GV34 GAS CONTROL VALVE, PILOT-THERMOCOUPLE-IGNITOR ASSEMBLY, ALUMINUM CONNECTOR MANIFOLD, NUT and BOLT, HEAT SHIELD, REMOTE RECEIVER/TRANSMITTER (RMC-1) OR ADJUSTABLE WALL SWITCH (RMC-2).

PREPARATION:

(New Installation) With the exception of installing the **Rating Plate/Heat Shield**, complete all steps up to and including **"Burner Pan Assembly-Standard Match Lighted"** in the **Flaming Ember Sand or Air Burner** Installation Instructions.

(Existing Installation) Remove Logs, Grate and **Rating Plate/Heat Shield**. Turn off gas supply to fireplace. Disconnect gas supply manifold from burner pan.

INSTALLATION:

CAUTION: Never connect control directly to a Propane supply source. LP applications require an external regulator (not supplied). Install the external regulator between the propane supply source and the valve control.

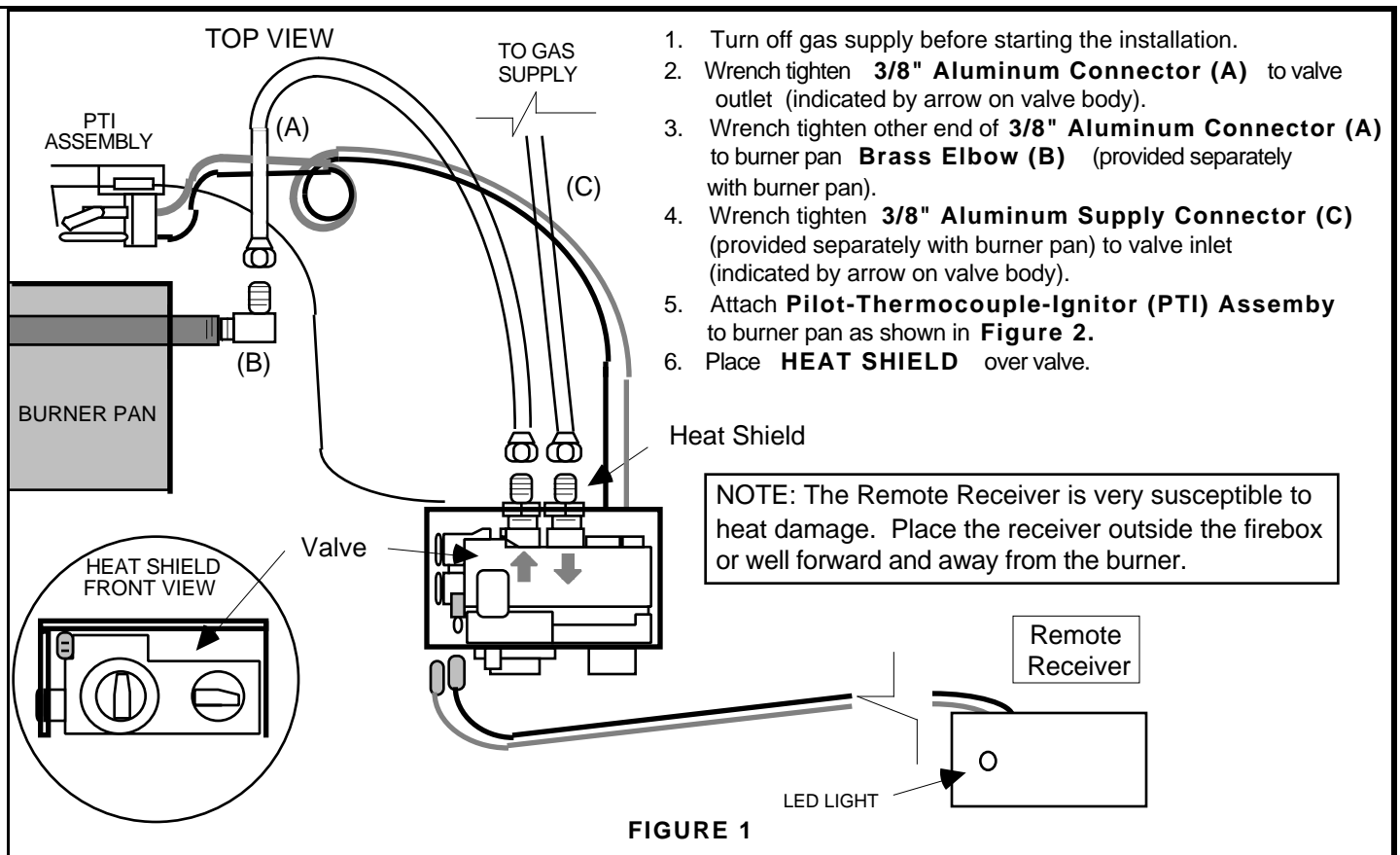
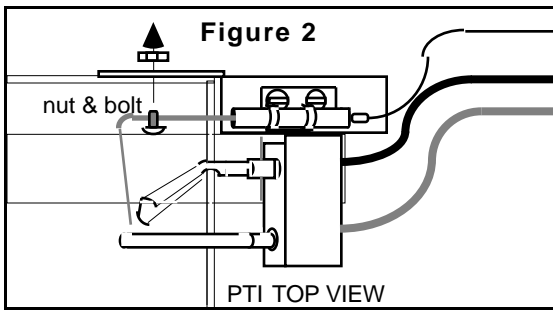


FIGURE 1

6. Attach either the **Remote Receiver (RMC-1)** or **Switch (RMC-2)** wire leads to valve **Remote Operation Terminals**. (See Figure 1)

- For **RMC-1**, place the **Remote Receiver** outside the firebox if possible or place well forward and away from the burner pan.
- For **RMC-2**, mount **Wall Switch** in desired location (out side the firebox with total wire length not to exceed 20').



REMOTE CONTROL OPERATION (RMC-1):

Before you start:

- The transmitter requires one 9 volt battery and the receiver needs 4 (AA) batteries to operate in remote control.
- The receiver wire leads must be plugged into the **remote operation terminals**. (See Figures 1 and 3)

Operation Tips:

- Remote operation requires good batteries.
- This is a sound operated remote (unlike TV remotes which are Infrared and operate instantly) and requires you to **aim and hold** the transmitter for **1 to 3 seconds** to operate. **Remote Control Operation:**
- Flame adjustment range of remote operation is from "OFF" to maximum

flame height. Pressing the top button (corresponds to the large flame icon) increases flame height to maximum. Pressing the bottom button (corresponds to the smallest flame icon) lowers flame height. Continued pressing of the bottom button will turn the burner off (only the pilot will remain lit).

NOTE: If the receiver becomes overheated, it will fail to respond to transmitter commands. Receiver should be placed outside the firebox or, if inside the firebox, well forward and away from the burner.

SWITCH CONTROL OPERATION (RMC-2):

Before you start:

- The variable switch requires 4 (AA) batteries to operate. The switch wire leads must be plugged into the **remote operation terminals**. (See Figures 1 and 3)

Operation Tips:

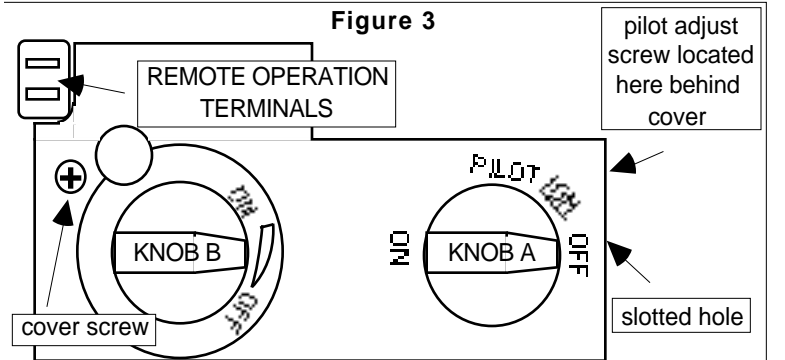
Operation:

- Flame adjustment range of variable switch operation is from "OFF" to maximum flame height. Pressing and holding the switch's **UP** arrow will increase flame height up to maximum.
- Pressing the **DOWN** arrow will lower flame height. Holding the **DOWN** arrow will turn the burner off (only the pilot will remain lit).

LIGHTING:

IMPORTANT: CHIMNEY DAMPER MUST BE WIDE OPEN

1. Turn **KNOB "A"** clockwise to "OFF" position.
2. Using the Remote Transmitter or Switch, Turn **KNOB "B"** (Flame Height) clockwise to "OFF".
3. Wait five (5) minutes before lighting.
4. Depress and turn **KNOB "A"** slightly counter-clockwise to the "PILOT" position and stop. Press down and hold until air is bled and gas flows to the pilot.
5. Continue pressing down and turn clockwise to "IGN" and back to "PILOT" to activate piezo ignitor. Continue to hold down for ten seconds after pilot is been lit. If pilot goes out or will not light, repeat steps 4 and 5.
6. Once pilot has been lit, release and turn **KNOB "A"** counter clockwise to the "ON" position. Pilot Flame should remain lit.
7. Using the **REMOTE TRANSMITTER** or **WALL SWITCH**, adjust flame height to the desired setting.
8. For complete **shut down**, refer to steps 1 and 2 above.

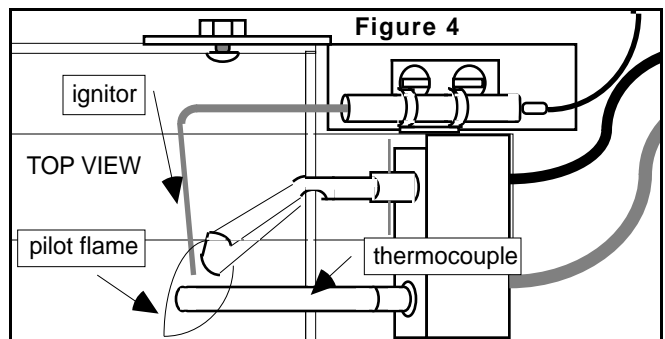


position. Pilot Flame should remain lit. Using the **REMOTE TRANSMITTER** or **WALL SWITCH**, adjust flame height to the desired setting.

CAUTION: Turning **KNOB "B"** by hand may cause damage to the Flame Height Mechanism.

PILOT ADJUSTMENT:

1. Combination control is shipped with the pilot set at maximum. If adjustment is required, remove **cover screw** to left of **KNOB "A"**, place a small screw driver in the **slotted hole** at the right side of **KNOB "B"** and lift cover. (See Figure 3)
2. If adjustment is required, turn the **pilot adjustment screw** (Figure 3) clockwise to decrease or counter clockwise to increase the size of the pilot flame.
3. Pilot flame should be between 1/2 to 3/4 of an inch in length and completely cover the tip of the thermocouple. (See Figure 4)



SHUTDOWN: For complete shutdown (including pilot flame), turn **KNOB "A"** clockwise to "OFF" position and turn **KNOB "B"** (Flame Height) clockwise to lowest setting "OFF". (See Figure 2)