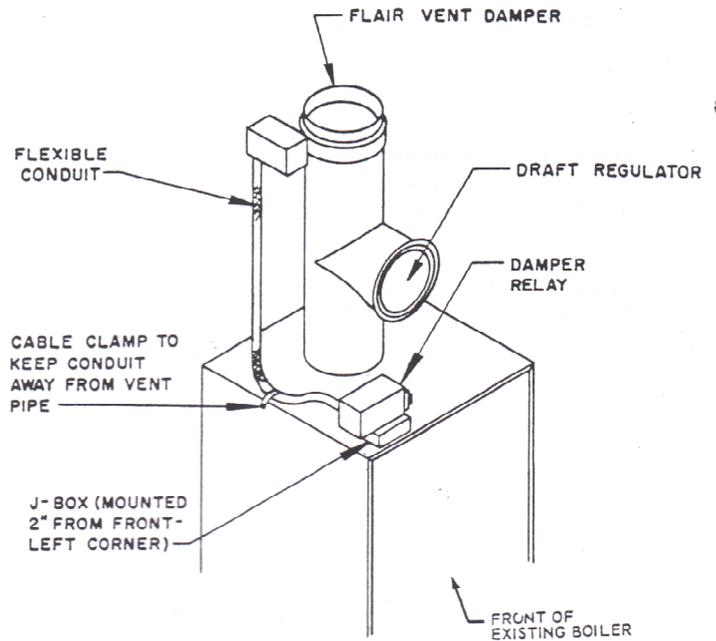


inspect chimney for obstructions or restrictions which should be removed. Clean chimney if necessary.

- c. Re-install smoke pipe in accordance with local fire ordinances.
- d. Smoke pipe must not be smaller than canopy outlet of add-on boiler or existing boiler.
- e. Smoke pipe should slope upward from add-on boiler to chimney not less than two inches in four feet. Provide inlet tee in this section to reconnect smoke pipe from existing boiler — see Figure 11.
- f. Smoke pipe must be securely supported so as to maintain proper clearances from combustible materials and to prevent separation of joints.
- g. Insert smoke pipe into but not beyond inside wall of chimney flue lining. Pipe should be installed above the extreme bottom of chimney so as to prevent stoppage.
- h. Seal between smoke pipe and chimney connection to prevent draft leakage.
- i. Re-install smoke pipe from existing boiler to inlet tee provided in smoke pipe connecting add-on boiler to chimney. A vent damper must be installed in this section of smoke pipe to isolate existing boiler from add-on boiler.



Recommended Draft Regulator and 4" x 4" Junction Box Mounting Locations — Horizontal Piping

Fig. 12

3 INSTALLATION INSTRUCTIONS FOR VENT DAMPERS

a. DESCRIPTION

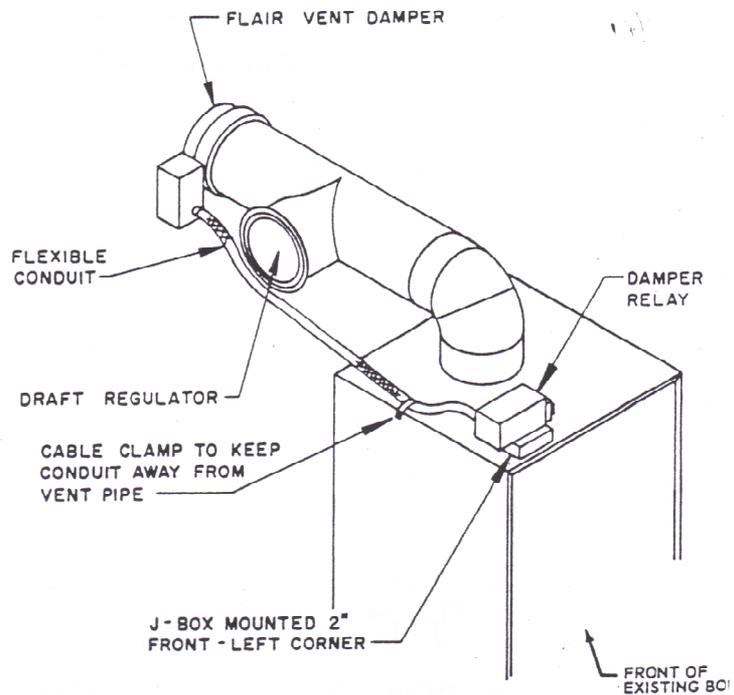
The damper should be mounted on the vent pipe directly after, on the chimney side of, the barometric damper. When the damper is in the closed position, it will prevent residual heat in the heating appliance from being drawn up the chimney vent by its natural draft.

A closed damper will also prevent conditioned air from being pulled through the barometric damper and up the chimney by the same stack effect. When combustion is required, the damper will rotate to its open position BEFORE an integral end switch activates the burner circuit. If the damper does not rotate to its open position, the burner circuit will not be activated. If installed properly, the electrical circuits in this product are designed not to override existing limit controls.

- b. Unpack the damper carefully—the damper is spring loaded and should drive to an open position, when removed from packing. **DO NOT FORCE IT CLOSED!** Forcing the damper may damage gear train and void the warranty.

c. INSTALLATION

Mount the vent damper assembly on the smoke pipe between the barometric damper and the chimney with the operator housing to the left side of the boiler when viewed from the front. The inlet to the vent damper is the larger diameter of the casting—



Recommended Draft Regulator and 4" x 4" Junction Box Mounting Locations — Vertical Piping

Fig. 13