



SINGLE CHIMNEY  
CONNECTION

Fig. 11

- e. Do not connect into same leg of chimney serving an open fireplace.
- f. Inspect chimney for obstructions or restrictions which should be removed. Clean chimney if necessary.
- g. Smoke pipe should slope upward from boiler to chimney not less than two inches in four feet. Smoke pipe must be securely supported so as to maintain proper clearances from combustible materials and to prevent separation of joints.
- h. 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.
- i. Seal between smoke pipe and chimney connection to prevent draft leakage.
- j. A draft regulator (optional) may be installed if coal is the only fuel being fired. Set the regulator to maintain a minus 0.05 inches water column at the breeching.

#### 8A INSTALLATION REQUIREMENTS FOR CONNECTING ADD-ON BOILER SMOKE PIPE TO COMMON CHIMNEY WITH EXISTING BOILER — SEE FIGURE 11

**NOTE:** A separate chimney for the add-on boiler is very strongly recommended. If the installer and the homeowner decide to connect the add-on boiler into the same chimney servicing the existing boiler, the following guidelines and installation arrangements **ARE REQUIRED** to reduce the likelihood of chimney fires. These guidelines have been added to inform the installer of a proper smoke pipe, draft regulator, and vent damper arrangement, and the hazardous conditions that may exist if ignored. Obviously, other arrangements than that shown in Figure 11 will exist. In any event, two basic criteria must be met:

1. A vent damper must be installed on the existing boiler.
  2. The smoke pipe must be arranged to prevent the backflow or draining of fly ash and creosote into the existing boiler.
- a. Disconnect and remove smoke pipe from existing boiler to chimney.