



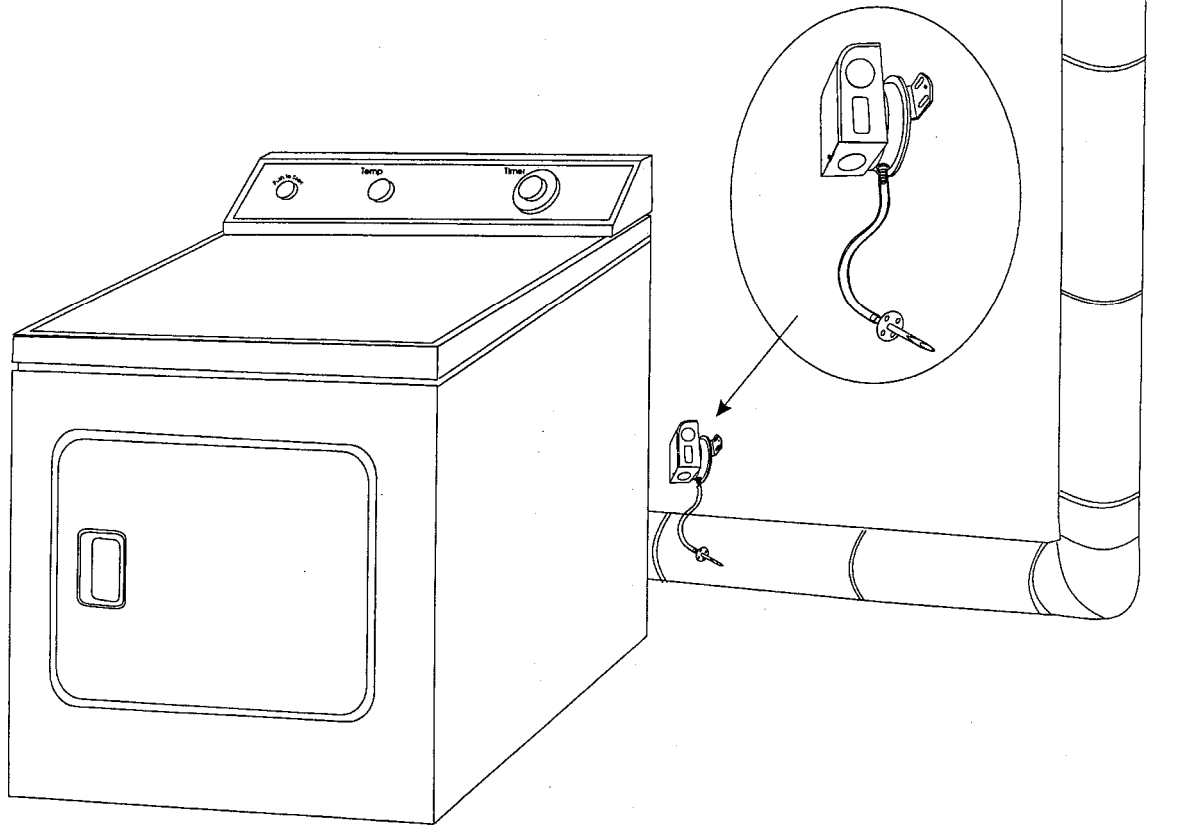
Dryer Boost Kit  
P/N 28098

## Typical Dryer Boost Application

Dryer boosting involves adding an auxillary fan ( **RB110** ) inline to a clothes drying system to increase the airflow and efficiency of the dryer in situations of long duct runs. These long duct runs result in long drying times and excessive wear and tear on the dryer. Boosting is usually required when the total duct length exceeds the following:

No Bends	1 Bend	2 Bends	3 Bends
25 feet	20 feet	15 feet	10 feet

The auxillary fan is controlled either by a timer, a manual switch or by an automatic pressure sensing switch as shown in the drawing inset.



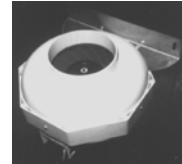


### 1.0 Auxiliary Fan Location

The auxiliary fan should be mounted with a minimum of 15 feet of ductwork from the outlet of the dryer to the inlet of the fan. ***Failure to observe this distance may result in excessive lint build-up in the fan unit!***

### 2.0 Auxiliary Fan Mounting

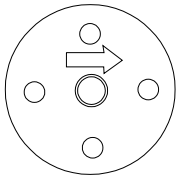
2.1). Install Mounting Bracket as shown. Attach the fan to the mounting bracket with (2) self-tapping screws, provided. Avoid over tightening screws.



2.2) Attach bracket to mounting structure with the 1 1/4" screws provided. Connect the ductwork between the outlet of the dryer and the inlet of the fan. Connect the outlet of the fan to the termination ductwork. Seal the connections with duct tape or similar means.



### 3.0 Automatic Pressure Switch Installation



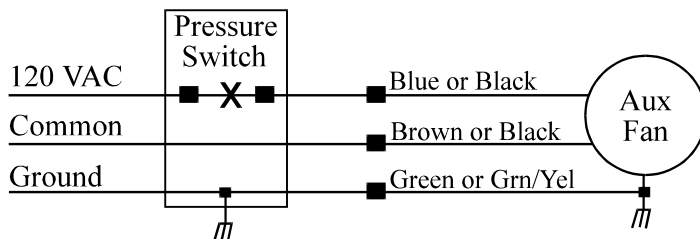
The pressure switch must be mounted vertically on a wall surface as near the outlet of the dryer as possible. Mount the duct probe through the duct and connect with tubing provided to the pressure switch.

Insure the arrow on the duct probe points toward the dryer and away from the auxiliary fan to prevent lint from closing the probe.



### 4.0 Electrical Wiring

Electrical connection should be performed by a qualified person in accordance with all local, state and national electrical codes. Make electrical connections to the pressure switch and auxiliary fan as shown in the following schematic:



## 5.0 Installation Troubleshooting

*If the auxiliary fan fails to start when the dryer cycle begins check the following:*

Verify the AC voltage at the pressure switch . The pressure switch-point is approximately 0.1” WC. The dryer must generate this positive pressure to close the switch and start the auxiliary fan. If not, check the probe and connecting tubing for blockage. You may blow gently into the tubing to check the switch operation.

*If the auxiliary fan cycles on and off after the dryer cycle begins check the following:*

The auxiliary fan may be generating sufficient negative pressure to overcome the positive pressure generated by the dryer. This can be verified with a sensitive pressure measuring device or with an AC voltmeter at the pressure switch. Relocate the auxiliary fan further away from the dryer and recheck.

## 6.0 Maintenance

Lint may accumulate inside the fan impeller and housing or on the automatic pressure switch probe. Periodic inspection and cleaning should be performed every (6) months or as required based upon dryer usage.

***Disconnect electrical power to the unit prior to inspection or cleaning.***

*NOTE: Excessive noise or vibration from the auxiliary fan may be an indication of lint buildup inside the fan impeller.*