



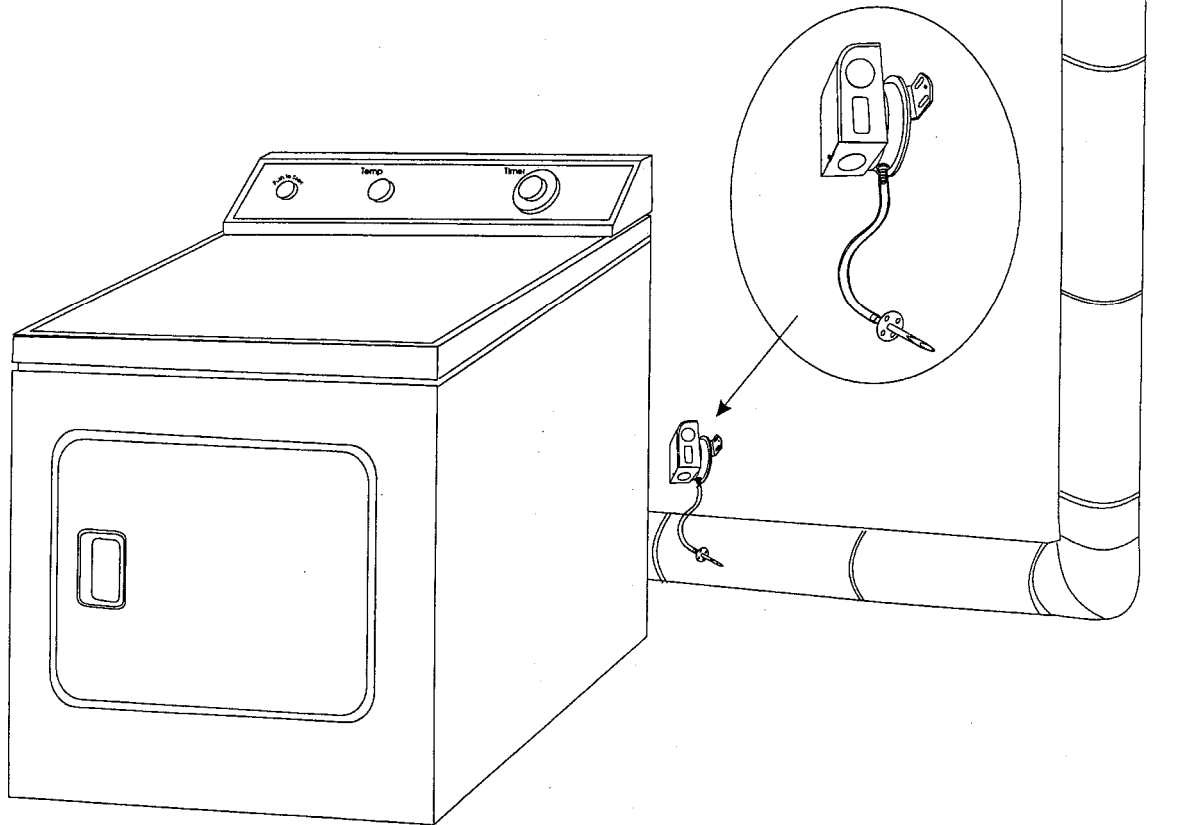
Dryer Boost Kit  
P/N 28098-1

## 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.





# Dryer Boost Kit Installation Instructions IN019-1 Rev B

## 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

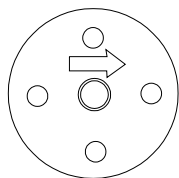
2.1) Install Mounting Bracket as shown. Attach the fan to the mounting bracket with (2) self-tapping screws, provided. Avoid over tightening screws.



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



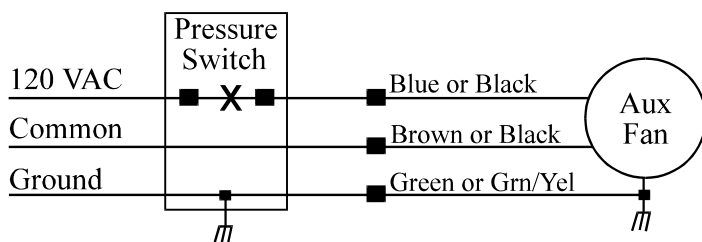
The pressure switch must be mounted vertically on a wall surface as near the outlet of the dryer as possible. Mount the duct probe through the duct and connect with tubing provided to the pressure switch.

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.*

## IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the Dryer Boost Kit for shipping damage within 15 days of receipt. Notify Spruce of any damages immediately. Spruce is not responsible for damages incurred during shipping. However, for your benefit, Spruce does insure shipments.

Install the Fan and Dryer Boost Kit in accordance with all state and local building codes and state regulations.

### WARRANTY

Subject to any applicable consumer protection legislation, Spruce Environmental Technologies, Inc. ("Spruce") warrants that the Dryer Boost Kit (the "Kit") will be free from defects in materials and workmanship for a period of one (1) year from the date of manufacture (the "Warranty Term").

*Warranty claims made during the first thirty days after installation:*

Spruce will replace any Kit which fails due to defects in materials or workmanship. The Kit may be returned (at owner's cost) to either the point of purchase or the Spruce factory. The point of purchase may require proof of purchase or a bill of sales for replacement.

*Warranty claims made after the first thirty days after installation through the end of the Warranty Term:*

Spruce will (at its option) either recondition or replace any Kit which fails due to defects in materials or workmanship. The Kit must be returned (at owner's cost) to the Spruce factory.

This Warranty is contingent on installation of the Kit in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not include damage in shipment unless the damage is due to the negligence of Spruce.

Spruce is not responsible for installation, removal or delivery costs associated with this Warranty.

**EXCEPT AS STATED ABOVE, THE KITS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**IN NO EVENT SHALL SPRUCE BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE KIT OR THE PERFORMANCE THEREOF. SPRUCE'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH SPRUCE'S WARRANTY AS PROVIDED ABOVE.**

For service under this Warranty, contact Spruce for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping cost to and from factory.

Spruce Environmental Technologies, Inc.  
3 Saber Way  
Ward Hill, MA 01835  
TEL. (978) 355-0901  
FAX (978) 521-3964

**Record the following information for your records:**

Serial No. \_\_\_\_\_  
Purchase Date \_\_\_\_\_