	COLEMAN
MODEL NUMBER:	Standing Pilot Models: 7956, 7966, 7970, 7975, 7995 Automatic Ignition Models: 7966, 7975, 7995
BTU SIZES:	56,000 - 66,000 - 70,000 - 75,000 - 95,000
	ACCESSIBILITY CLEARANCE

A minimum of 24 inches should be provided in front of the furnace for access to the heating elements and controls. This access may be provided by a closet door or by locating the furnace 24 inches from the facing wall or partition.

CLEARANCE FROM COMBUSTIBLE MATERIAL

For mobile homes or recreational vehicles: Design certified for following minimum clearance from combustible material in alcove or closet installation: Back 0 in., Sides 0 in., Front (closet) 6 in., Top 2 in., Duct 0 in.

For installation on combustible flooring: Use Coleman duct connectors 7681-602 through 7681-612.

COLD AIR RETURN AIR DUCTS

If installed in closet, return air opening must have a minimum of 200 sq. in. free area. See Figure 3. For clearances less than 6" from front of furnace see Figure 4.

GARAGE ***

Not for installation in a garage.

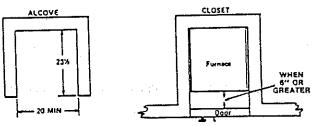
*GENERAL ***

For natural gas operation, the furnace is designed for 7" w.c. inlet gas pressure. Pressure to main burner is then reduced to 3 1/2" w.c.

For L.P. gas operation, pressure measured at the gas valve must be 11" w.c.

When converting valve from or to LP gas use, it will be necessary to change main burner orifice to prevent an underfired or overfired condition. See furnace nameplate for complete instructions.

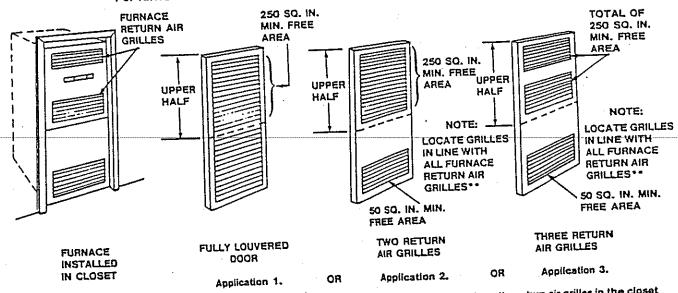
· II To This is the Control of the	HIGH ALTITUDE INSTALLATIONS	
Deration	For elevation above 2,000 feet, derate the furnace 4% for each 1,000 feet of elevation above sea level.	
	MOBILE HOME	
Certified for installation in a	mobile home.	
	VENTING MATERIAL AND REQUIREMENTS	
actory roof jack for venting	and combustion air are required.	
	VENT CLEARANCE FROM COMBUSTIBLE MATERIAL	
		200
	· VENTING PROCEDURE	
See enclosed examples for		
See enclosed examples for		
	venting procedure. MISCELLANEOUS INFORMATION/NOTES	
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When installed in a closet with 6" or greater of front door clearance, the closet door return air opening must have a minimum free area of 200 square inches.

Figure 3

For furnace front door clearances of 0" to less than 6" from closet door.



**When the furnace front door clearance is greater than 1" but less than 6" to the closet door, the return air grilles in the closet door need not line up directly opposite the return air grilles in the furnace door.

Figure 4

MODELS:

For Gas Furnace: 7681A6501 Basic Unit w/7681-8511 Deluxe Damper and Controls For Electric Furnace: 3400A6601 Basic Unit w/3400-8511 Deluxe Damper & Controls

FEATURES:

- * Fresh air into the ceiling cavity and into the home.
- * Designed and U.L. approved for Coleman furnaces.
- * Easy to install with plug-in wiring. Wiring does not require an additional electrical circuit.
- * Exceeds federal standards requiring option ventillation.

PRINCIPLE OF OPERATION:

- * Centrifugal blower.
- * Fresh air introduced is distributed throughout the home via the central duct system.
- * An automatic damper prevents energy loss from home.
- * Designed for automatic year round operation in all climatic conditions.

Attic

Vent

* Rugged construction for reliable, trouble-free operation.

System Blower

Attic Vent Environmental System

Insulation

Kitchen Vent

Central Air

Fresh air introduced into roof cavity by the Coleman Blend-Air Environmental System.

Floor Registers

Fresh air introduced into the home via the central air system.

There are several reasons that make the Blend-Air IM System technically unique and reffective in reducing moisture problems and improving indoor air quality.

(1) Propeller type attic vent fans are inherently ineffective in moving air under high static pressure conditions. A centrifugal blower can overcome this resistance and distribute air in insulation packed and tight ceiling cavities.

Humid air leaving attic due to pressurization effect.

Floor Registers

Bath Vent

Stale, humid air and odors leaving home due to pressurization effect.

(2) The Blend-AirTM System creates a positive pressure in the ceiling cavity inhibiting migration of moisture from the living area. Systems that exhaust the air or communicate between the living and roof area by vents create a negative pressure and enhance the migration of air into the ceiling cavity.

During the furnace operation fresh air is injected into the living area again causing a slightly positive pressure causing natural exfiltration of stale air.

GAS CONTROL VALVE

The gas valve is multi-function, with two operating valves in line, pressure regulator and manual gas cock. See Figures 6 and 7.

The pressure regulator is factory set to provide an operatg manifold pressure of 3.5" W.C. on models equipped or Natural gas and 10" W.C. on models equipped for LP gas.

The pressure regulator is a limited adjustment type. Refer to the section titled "Minor Input Adjustment" under "Furnace Input Capacity".

LIGHTING INSTRUCTIONS

This furnace is equipped with an automatic electric spark, direct burner ignition system which lights main burners each time the thermostat calls for heat.

This furnace cannot be lighted with a match.

WARNING

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN EXPLOSION AND POSSIBLE DAMAGE TO THE FURNACE AND INJURY TO THE OPERATOR.

- 1. Set room thermostat to lowest setting or "off".
- Turn knob on gas control valve to "off". The White Rodgers gas valve has a built in stop which prevents the knob from being turned directly to OFF. At this stop the knob must be depressed and then turned to OFF. See figure 6.

WAIT 5 MINUTES.

- 4. Tura knob on gas control valve to "on".
- Set room thermostat to desired setting, above room temperature, burner will light — which may take 20-40 seconds.
- If after 3 trials for ignition, and burner fails to light, go to complete shutdown and determine cause for failure

- to light. Be sure gas supply to furnace is on and supply piping has been purged of air. Be sure electric power to furnace is on.
- For complete shutdown set thermostat to lowest setting, or "off" and turn knob on gas control valve to "off".

BURNER ADJUSTMENT

After lighting the furnace, allow the furnace to operate for approximately 15 minutes and then adjust burner primary air as follows:

1. Loosen air adjustment rod locking screw. See figure &.

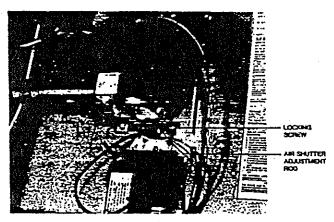
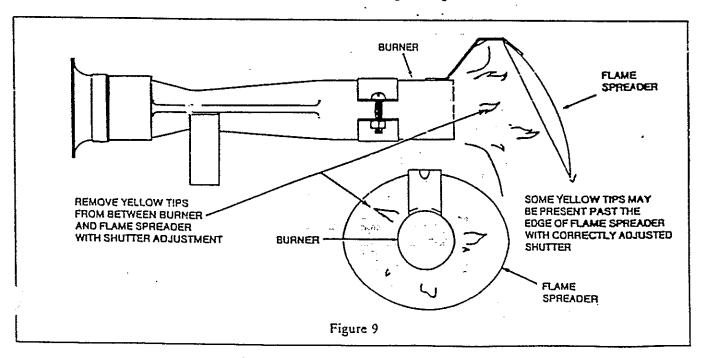
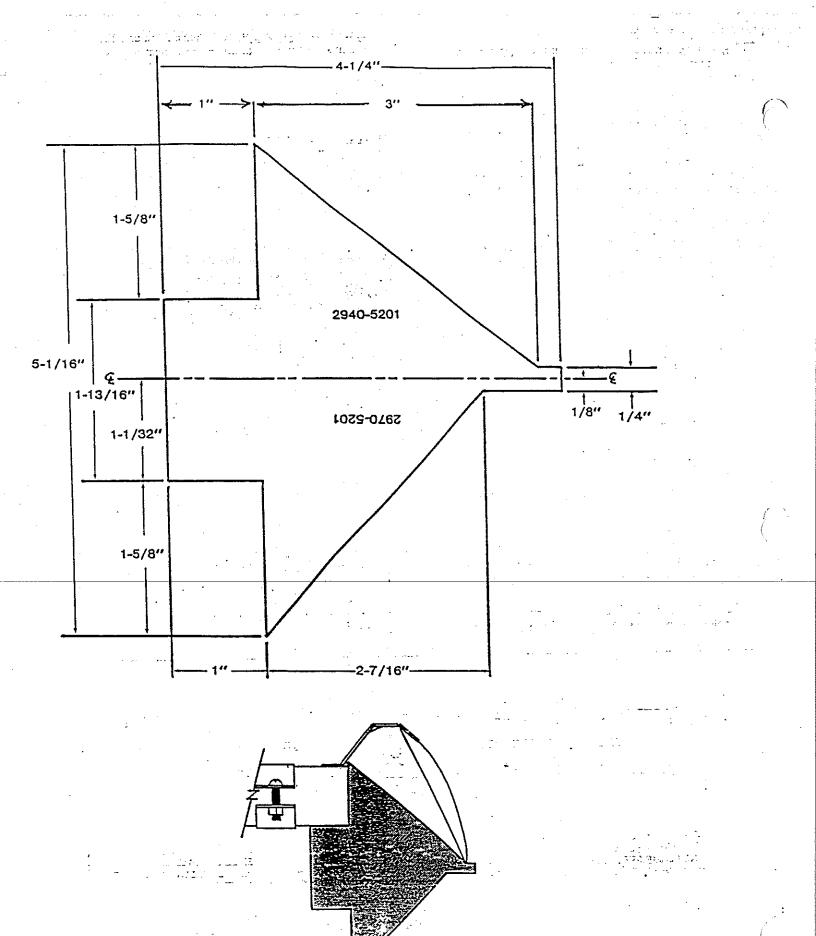


Figure 8

- Close primary air shutter by pulling on adjustment rod until yellow tips appear in the flame at the end of the burner. See figure 9.
- 3. Slowly open the primary air shutter by pushing adjustment rod in until yellow flame tips at the end of the burner disappear, then push adjustment rod in another 1/8 inch.
- 4. Secure primary air adjustment rod by tightening locking screw against it.





Evcon industries, inc.

IMPORTANT CONSUMER INFORMATION BULLETIN AFTER COMPLIANCE WITH THIS BULLETIN, PLACE THESE INSTRUCTIONS IN YOUR OWNERS INFORMATION MANUAL ON PAGE #5

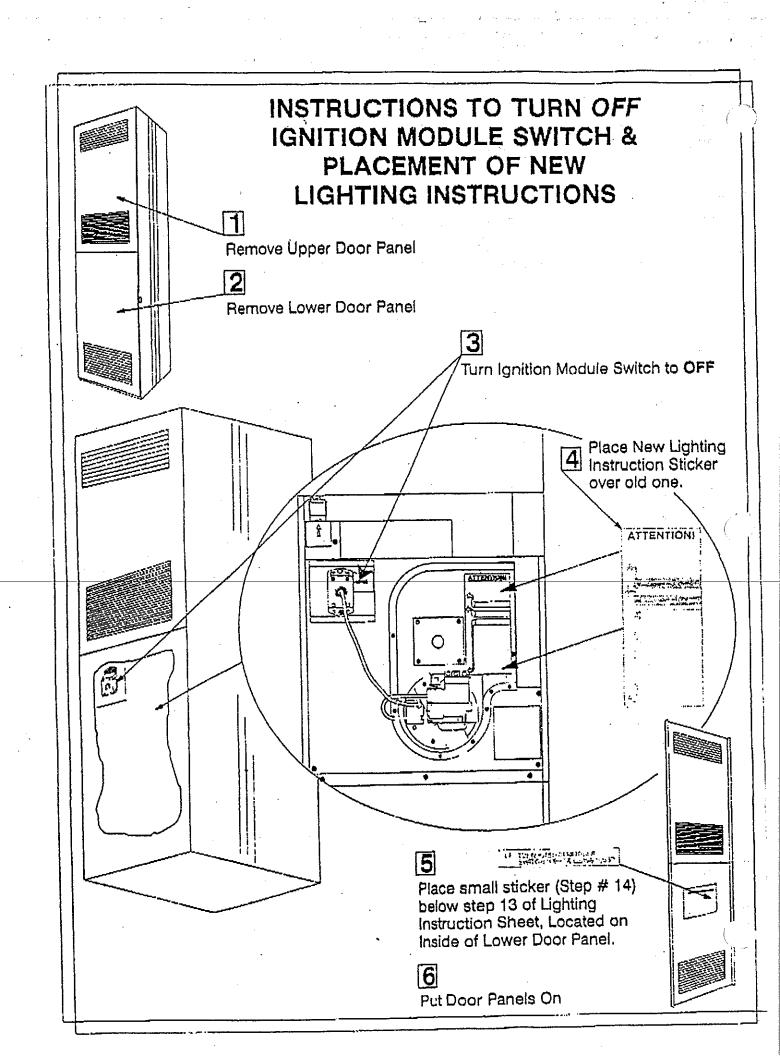
Dear Evcon Customer:

Thank you for your recent purchase of a home equipped with a quality Coleman® Even AutoPilot Gas Furnace. Although it is designed to heat your home reliably and comfortably for many years, we have received reports that in a few instances these furnaces have experienced interrupted ignition, which adversely affects performance. In order to insure that this does not occur to your furnace, please do the following:

- 1. Using the illustration on the reverse side of this letter, as a guide, go to the gas furnace and turn off the ignition module switch and leave it off.
- 2. Affix the enclosed yellow instruction sticker to the furnace, over the existing orange colored lighting instructions, as shown in step #4 on the reverse side of this letter.
- 3. Affix the small sticker (step #14) below step #13 on the lighting instruction sheet as shown in step #5 on the reverse side of this letter.
- 4. After completing, place this instruction package on page #5 in your owners information manual.

Your furnace will continue to operate safely and reliably with the ignition module switch left permanently in the "OFF" position. If the pilot light should go out, please follow the relight instructions on the new sticker provided. If you experience repeated pilot outages, or if you have any questions about the operation of your furnace, please call 1-800-707-3658.

Thank you for your cooperation.



INSTALLATION INSTRUCTIONS

ROOF JACKS FOR PRESIDENTIAL® II FURNACES WARNING

- 1. The roof jack as determined from the appropriate charts below must be applied.
- 2. The inner flue pipe must be present.
- 3. The inner flue tube and outer combustion air tube must be attached to the top of the furnace with sheet metal screws.
- 4. The roof jack flange and bead must extend below the finished ceiling.
 Improper installation may damage the equipment, can create a hazard and will void the warranty. CAREFULLY FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THIS BOOKLET TO AVOID FIRE, EXPLOSION or ASPHYXIATION.

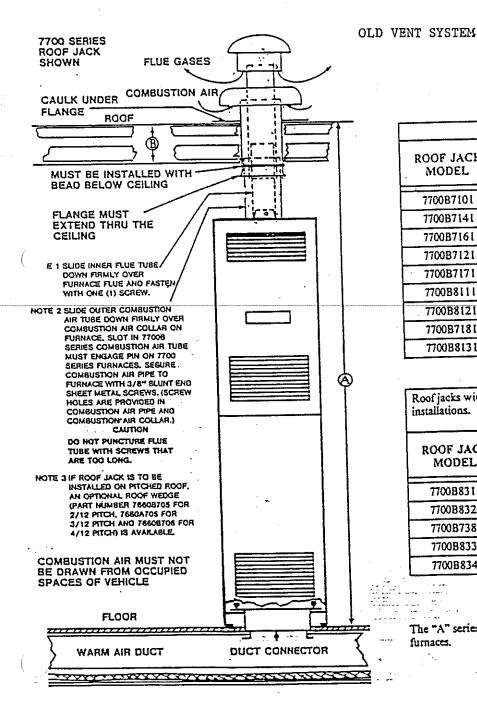


	TABLE I	
ROOF JACK MODEL	(A) ADJUSTABLE HEIGHT	B ROOF CAVITY
7700B7101	89" to 97"	6-3/4"
7700B7141	91" to 97"	9"
7700B7161	92" to 100"	9-3/4"
7700B7121	95" to 110"	13"
7700B7171	98" to 113"	16"
7700B8111	103" to 116"	20"
7700B8121	108" to 122"	25-5/8"
7700B7181	113" to 127"	30-5/8"
7700B8131	121" to 135"	38-5/8"

nstaliations.	movable crowns are av	
ROOF JACK MODEL	A ADJUSTABLE HEIGHT	B ROOF CAVITY
7700B8311	103" to 116"	20″
7700B8321	108" to 122"	25-5/8"
7700B7381	113" to 127"	30-5/8"
7700B8331	121" to 135"	38-5/8"
7700B8341	135" to 150"	53-5/8"

The "A" series roof jacks are also certified for use with these furnaces.



INSTALLATION INSTRUCTIONS

7900 SERIES "ONE STEP" ROOF JACKS

Т	Ā	R	Ŧ	\mathbf{r}	1

ROOF	INSTALLATION	DIMENSIONS
JACK MODEL NUMBER	ADJUSTABLE HEIGHT	These dimen- sions are
7900-7101	89" to 97".	from floor to top side of
7900-7121	93" to 104".	roof or, if
7900-7141	101" to 122"	used, top
7900-7151	108" to 134"	jack wedge.
7900-7171	145" to 175"	See figure A
7900-81610	103" to 119"	
7900-81810	117" to 149"]

1 These jacks have removable crowns.

WARNING

- 1. The roof jack as determined from the appropriate chart must
- 2. The inner flue pipe must be present. . . .
- 3. The outer combustion air tube must be attached to the top of the furnace with sheet metal screws.
- 4. Improper installation may damage the equipment, can create a hazard, and will void the warranty. CAREFULLY FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THIS BOOKLET TO AVOID FIRE, EXPLOSION, OR ASPHYX-IATION.

NEW VENT SYSTEM

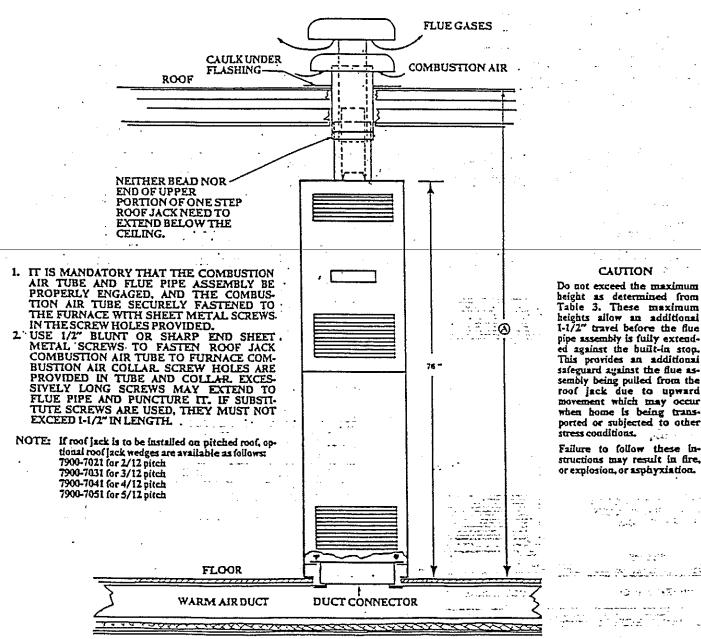


Figure A

Do not exceed the maximum height as determined from Table 3. These maximum heights allow an additional I-1/2" travel before the flue pipe assembly is fully extend-ed against the built-in stop. This provides an additional saleguard against the flue assembly being pulled from the roof jack due to upward movement which may occur when home is being transported or subjected to other stress conditions.

structions may result in fire, or explosion, or asphyxiation.

INSTALLATION INSTRUCTIONS



- Check to be certain that the flue pipe and combustion air tube are present.
- b. Pull the telescoping flue tube and combustion air tube assembly down from the roof jack. Slide the flue tube/combustion air tube assembly down firmly over the furnace flue outlet and combustion air collar. Fasten the combustion air tube to the furnace combustion air collar using two (2) 1/2 inch sheet metal screws. (Screw holes are provided in combustion air tube and furnace combustion air collar.) See Fig. 8 and 9.

CAUTION

If excessively long screws are used to secure the combustion air tube to the furnace combustion air collar, they may extend through the combustion air tube to deform or puncture the furnace flue collar.

If substitute screws are used on the 7900 series roof jack, they must not exceed one and one-half inches (1-1/2") in length.

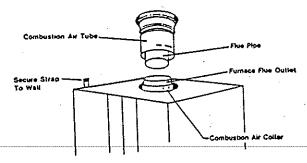
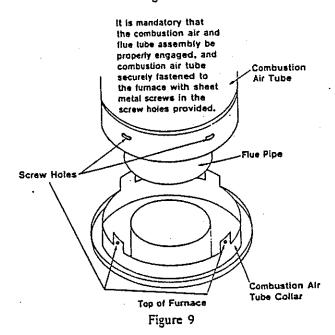
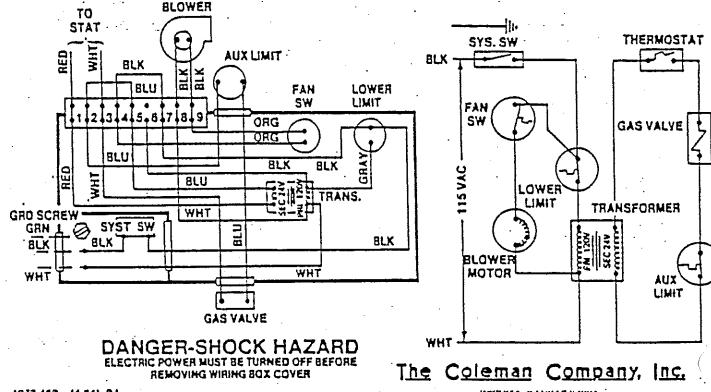


Figure 8



1. Standing Pilot Models

7900 SERIES STANDING PILOT MODELS (EXCEPT 7995)



1972-462 (4-84) P.L.

HICKS RANGAS BYON

WARNING

- THE ROOF JACK AS DETERMINED FROM THE CHART BELOW MUST BE APPLIED.
- THE INNER FLUE PIPE MUST BE PRESENT.
- THE INNER FLUE PIPE AND OUTER COMBUSTION AIR PIPE MUST BE ATTACHED TO THE FURNACE WITH SHEET METAL SCREWS. .
- 4. THE ROOF JACK CROWN MUST BE PROPERLY IN PLACE.

IMPROPER INSTALLATION MAY DAMAGE THE EQUIPMENT, CAN CREATE A HAZARD AND WILL YOID THE WARRANTY. CAREFULLY FOLLOW ALL INSTRUCTIONS AND WARNINGS PROVIDED WITH THE FURNACE TO AVOID FIRE, EXPLOSION OR ASPHYXIATION. . .

COLEMAN APPROVED ROOF JACKS.

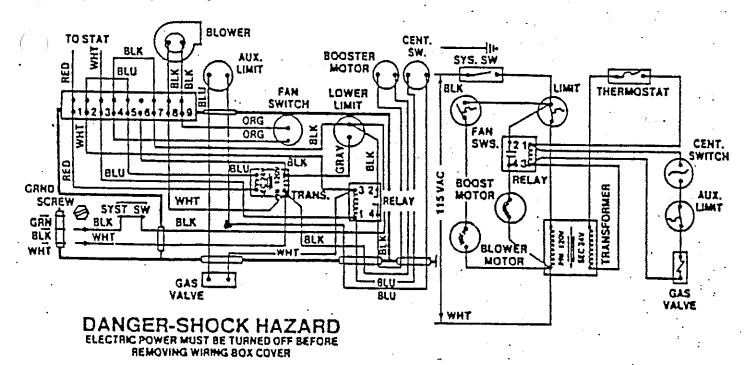
4266		•• ••••
ROOF JACK		FLOOR TO ROOF HEIGHT (INCHES)
7900-7101		3 89 TO 97 3 3 7
7900-7121		93 TO 104 · · ·
7900-7141	• •	101 TO 122 9 ,
7900-7151		108 TO 134
7900-7171		145 TO 175
7900-8161		103 TO 119 🐪
7900-8181		· 117 TO 147

IMPORTANT

transformer for heating only. Not rated for air conditioning. A COLEMAN AIR CONOITIONING CONTROL BOX MUST BE INSTALLED FOR PROPER TRANSFORMER SIZING.

AIR SHUTTER ADJUSTMENT - TO OPEN: PUSH ROD IN, TO CLOSE: PULL ROD OUT

7995 STANDING PILOT MODEL



1972A443 (8-84) P.I.

The Coleman Company, Inc.

WICHIA, KANSAS 6/201

WARNING

- 1. THE ROOF JACK AS DETERMINED FROM THE CHART BELOW MUST BE APPLIED.
- 2. THE INNER FLUE PIPE MUST BE PRESENT.
- 3. THE INNER FLUE PIPE AND OUTER COMBUSTION AIR PIPE MUST BE ATTACHED TO THE FURNACE WITH SHEET METAL SCREWS.
- 4. THE ROOF JACK CROWN MUST BE PROPERLY IN PLACE. (1985)

IMPROPER INSTALLATION MAY DAMAGE THE EQUIPMENT, CAN CREATE A HAZARD AND WILL YOLD THE WARRANTY, CAREFULLY FOLLOW ALL INSTRUCTIONS AND WARNINGS PROVIDED WITH THE FURNACE TO AVOID FIRE, EXPLOSION OR ASPHYXIATION.

COLEMAN APPROVED ROOF JACKS

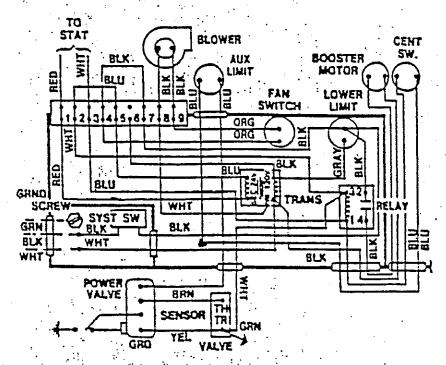
ROOF JACK		FLOOR TO ROOF
MODEL NUMBE	A S	🚁 :: Height (Inches
7900-7101		89 TO 97
7900-7121		93 TO 104 a s
7900-7141	1.1.	🥇 🚎 101 TO 122 🐒
7900-7151	1 1	108 TO 134 🚟
7900-7171		145 TO 175
7900-6161		103 TO 119
7900-8181		" 117 TO 147

IMPORTANT:

TRANSFORMER FOR HEATING ONLY, NOT RATED FOR AIR CONDITIONING. A COLEMAN AIR CONDITIONING CONTROL BOX MUST BE INSTALLED FOR PROPER TRANSFORMER SIZING. $\frac{1}{2} \frac{1}{2} \frac{1}{2$

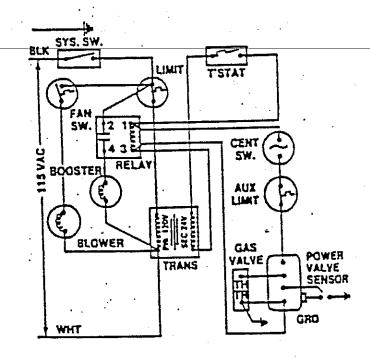
AIR SHUTTER AGUUSTMENT - TO OPEN: PUSH ROO IN, TO CLOSE: PULL ROO OUT

7900 SERIES AUTOMATIC IGNITION MODELS



DANGER-SHOCK HAZARD ELECTRIC POWER MUST BE TURNED OFF BEFORE REMOVING WIRING BOX COVER

1972-448 (4-84) P.I.



The Coleman Company, Inc.