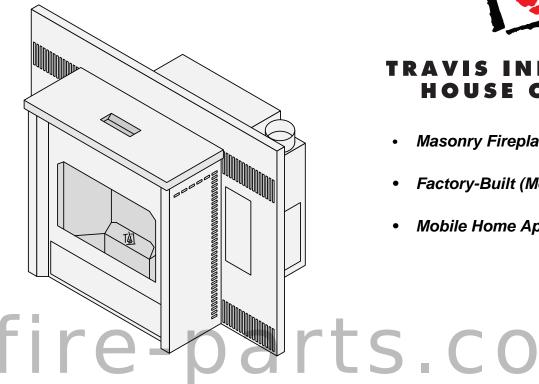
AGP Pellet Insert





TRAVIS INDUSTRIES HOUSE OF FIRE

- Masonry Fireplace
- Factory-Built (Metal)Fireplace
- Mobile Home Approved

- -- Please read this entire manual before installation and use of this pellet fuelburning room heater. Failure to follow these instructions could result in property damage, bodily injury, or even death.
- -- Contact local building or fire officials about restrictions and installation inspection requirements in your area.
- Save these instructions.

Installer: After installation give this manual to the homeowner and explain operation of this insert.

Consumer: Retain this manual for future reference.

© Copyright 2015, T.I. \$10.00 Part # 100-01341 4141230





Travis Industries, Inc.

www.travisproducts.com 12521 Harbour Reach Drive Mukilteo, WA 98275

2

Introduction

Introduction

We welcome you as a new owner of an AGP pellet insert. In purchasing an AGP pellet insert you have joined the growing ranks of concerned individuals whose selection of an energy system reflects both a concern for the environment and aesthetics. The AGP pellet insert is one of the finest home heaters the world over. This manual will explain the installation, operation, and maintenance of this pellet-burning heater. Please familiarize yourself with this Owner's Manual before operating your heater and save the manual for future reference. Included are helpful hints and suggestions which will make the installation and operation of your new heater an easier and more enjoyable experience. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your heater.

Important Information

No other AGP pellet insert has the same serial number as yours. The serial number is on the safety label on the back of the appliance.	Mail your Warranty Card Today, and Save Your Bill of Sale.
This serial number will be needed in case you require service of any type.	To receive full warranty coverage, you will need to show evidence of the date you purchased your heater. Do not mail your Bill of Sale to us.
Model: <u>AGP PI</u> Serial Number: AGP PI Purchase Date:	We suggest that you attach your Bill of Sale to this page so that you will have all the information you need in one place should the need for service or information occur.
Purchased From:	



products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute[®] (NFI) as NFI Pellet Specialists or who are Wood Energy Technical Training

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Safety Precautions



HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING, AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.

Educate all children of the danger of a high-temperature heater. Young children should be supervised when they are in the same room as the heater.



Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area. Notify your insurance company of this appliance as well.



Do not operate the heater if you smell smoke coming from the heater. Press the "STOP" button, monitor your heater, and call your dealer.

Do not unplug the heater if you

"STOP" button and periodically

inspect the heater.

suspect a malfunction. Press the



Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire in this heater. Keep all such liquids well away from the heater while it is in use.

Do not store solid fuel or place such fuel within heater installation clearances or within the space required for charging and ash removal.

Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have been thoroughly cooled.



Never try to repair or replace any part of the heater unless instructions are given in this manual. All other work should be done by a trained technician.



ASHE

The viewing door and ashpan must be closed and latched during operation.



© Travis Industries

This unit must be properly installed to prevent the possibility of a house fire. The instructions must be strictly adhered to. Do not use makeshift methods or compromise in the installation.



This heater is designed and approved for pelletized wood fuel only.



Safety Precautions



Allow the appliance to cool completely before carrying out any maintenance or cleaning.



Maintain the door and glass seal and keep them in good condition. Do not operate this heater with broken or missing glass. Do not slam the door or strike the

Notify your dealer to replace the glass if glass on this appliance is broken or damaged.

Do not place clothing or other flammable items on or near this appliance.



Do not operate the heater if the flame becomes dark and sooty or if the fire platform overfills with pellets. Press the "STOP" button and periodically inspect the heater.



The heater will not operate during a power outage.



This heater must be connected to a standard115 V., 60 Hz grounded electrical outlet. Do not use an adapter plug or sever the grounding plug. Do not route the electrical cord underneath, in front of, or over the heater.



Keep foreign objects out of the hopper.



The exhaust system must be completely airtight and properly installed. The pellet vent joints must be sealed with RTV 500° F. (260° C.) silicone sealant.



Your heater requires periodic maintenance and cleaning (see "Insert Maintenance"). Failure to maintain your heater may lead to accumulation of soot, creosote, and ash, and smoke spillage or fire in vour home.



When installed in a mobile home, the heater must be bolted to the floor, have outside air, and NOT BE INSTALLED IN THE BEDROOM (per H.U.D. requirements). Check with local building officials.

Safety Precautions



Do not throw this manual away. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.



Disconnect the power before performing any maintenance.



The exhaust system should be checked at least twice a year for any build-up of soot or creosote.



Travis Industries, Inc. grants no warranty, implied or stated, for the installation or maintenance of your appliance, and assumes no responsibility of any consequential damage(s).

DO NOT INSTALL A FLUE DAMPER IN THE EXHAUST VENTING SYSTEM OF THIS UNIT.

DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

INSTALL VENT AT CLEARANCES SPECIFIED BY THE VENT MANUFACTURER.

Soot and Flyash: Formation and Need for Removal – The products of combustion will contain small particles of flyash. The flyash will collect in the exhaust venting system and restrict the flow of the flue gases. Incomplete combustion, such as occurs during startup, shutdown, or incorrect operation of the room heater will lead to some soot formation which will collect in the exhaust venting system. The exhaust venting system should be inspected at least twice every year to determine if cleaning is necessary.

NEVER USE SUBSTITUTE MATERIALS FOR ANY PURPOSE ON THIS APPLIANCE.

Establish a routine for the fuel, wood burner and firing technique. Check for creosote build-up daily until you know how often to clean the appliance for safe operation. Be aware that the hotter the fire, the less creosote is deposited, and weekly cleaning may be necessary in mild weather even though monthly cleaning may be enough in the coldest months. Contact your municipal or provincial fire authority for information on how to handle a chimney fire. Have a clearly understood plan in place for how to handle a chimney fire.

Do not burn this insert if unburned pellets are in the ashpan. These should be removed as they may ignite.

Proposition 65 Warning: Fuels used in gas, woodburning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. California Health & Safety Code Sec. 25249.6

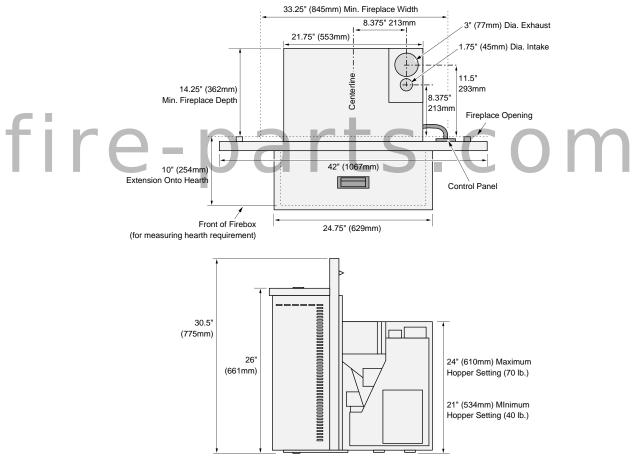
Heating Specifications

Approximate Maximum Heating Capacity (in square feet)*		
BTUs		
Burn Rate (Pounds per Hour)***	1.4 to 5	
Maximum Burn Time on Low Burn***		
Hopper Capacity		
Turn-Down Ratio		
* Heating capacity will vary depending on the home's floor plan, degree of insulation, and the outside temperature. It is also affected by the fuel size, guality, and moisture level.		

** Based on 8,200 BTUs per pound.

*** Small pellet size will decrease the stated burn rates and burn times. Differences of plus or minus 20% depending on fuel quality may occur.

Dimensions



Electrical Specifications

Electrical Rating	
Watts during Start-Up Sequence	• •
Watts during Operation	

Fuel

This heater is designed and approved for pelletized wood fuel only (all grades).

Emissions

0.66 Grams per Hour (EPA Phase II Approved)

Before You Begin

READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE THIS HEATER. FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH.

Check with local building officials for any permits required for installation of this pellet heater and notify your insurance company before proceeding with installation.

Packing List

		Cleaning tool
c :		Bottle Brush
ΤI	re	-parts.com
		Brush
		Fuses

• (9) Screws for Hopper Lid

Items Required

- AGP Pellet Door (SKU 96100793 or 96100774)
- AGP Pellet Insert Side Panels (SKU 94400030, 94400031, or 94400032)

Installation Options

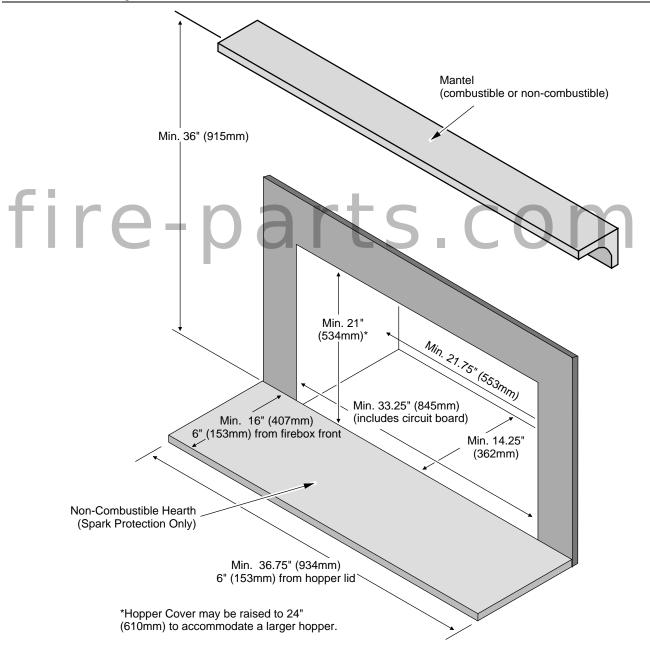
This insert must be installed into a clean undamaged fireplace . Fireplace must be:

- Masonry Fireplace (Code-Conforming UBC Masonry Fireplace)
 or -
 - Factory Built (Metal) Fireplace

Planning the Installation

HINT:	Have an authorized Travis Industries dealer install this heater. If you install the heater yourself, have your dealer review your installation plans.
HINT:	Inspect the chimney and clean as necessary before installing the heater. NOTE: The convection blower is open to the fireplace cavity and may circulate odors from the fireplace. You may wish to paint the interior of the fireplace with latex paint to prevent odors from entering the home.

Minimum Fireplace Size



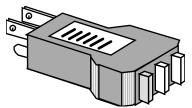
Fireplace Damper

Any existing damper must be removed or locked in the open position.

9

Electrical Requirements

- This heater <u>requires</u> a standard 120 volt, 60 Hz <u>grounded</u> electrical outlet. Do not use an adapter plug or sever the grounding plug.
- This heater <u>requires correct polarity</u>. The line (hot) is on the right and has a smaller plug. The neutral (common) is on the left and has a larger plug. Use a circuit tester (available at hardware stores) or contact an electrician to verify correct polarity and grounding.



<u>WARNING</u>: CONNECTION TO A REVERSE POLARITY OR UN-GROUNDED CIRCUIT MAY DAMAGE YOUR HEATER'S CIRCUIT BOARD. THIS MAY CAUSE A SAFETY HAZARD, IMPROPER OPERATION, AND VOID YOUR WARRANTY.

• Do not route the electrical cord underneath, in front of, or over the heater.

HINT: Travis Industries manufactures a Insert Wiring Kit (97200315) that allows the power cord to be routed through the fireplace, concealing the power cord.



Hopper Extension Set-up

This pellet insert has a variable-height hopper. On large fireplaces (24" or greater height) the hopper may be extended to the upper position, increasing hopper capacity. On smaller fireplaces (under 24" fireplace height) the hopper top may be placed in a lower position.

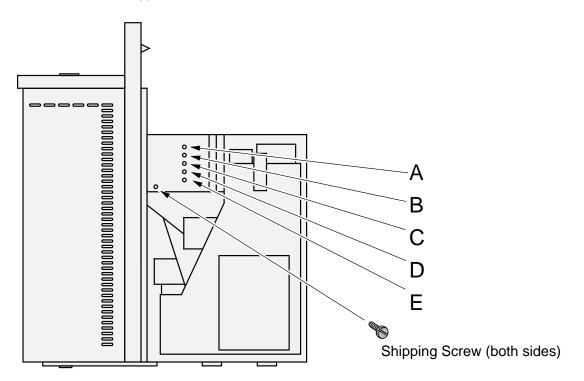
Use the chart below to determine the hopper extension position.

Hopper Extension Position		Hopper Height
А	Lowest Position	21"
В	Mid-Low	21.75"
С	Middle Position	22.5"
D	Mid-High	23.25"
Е	Highest	24"



The hopper extends 14.25" into the fireplace. For determining the maximum hopper extension, measure the fireplace 14.25" into the fireplace.

The hopper top is shipped attached to the hopper assembly with shipping screws. Follow the instructions below to attach the hopper top to the hopper assembly using the screws included in the owner's pack. Determine the correct hopper extension based on the table below.



Hopper Extension Setup

- 1 Remove the two shipping screws on each side of the insert (see illustration on previous page).
- 2 Remove the hopper top.

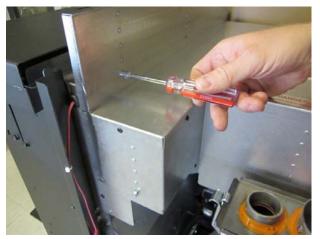


3 Use a center-punch to remove the appropriate knock-outs from the hopper walls (9 total). The holes are punched out from the inside. Make sure to support the hopper walls while removing the knock-outs. In the example below the "A" position is used (tallest hopper position).



4 Place the hopper top over the hopper assembly. Line up the holes in the hopper top with the holes on the hopper assembly. Use the 9 screws included in the owner's pack to secure the hopper top to the hopper assembly.





Clearances

- Insert must be placed so that no combustibles are within, or can swing within (e.g. drapes, doors), 36" (915mm) of the front of the heater.
- Insert must be placed a minimum 9" (229mm) from a side wall (or combustible protruding more than 3/4" (20mm)).

Mantel Requirements

• The mantel must meet the requirements shown in the illustration to the right.

Hearth Requirements

• The non-combustible hearth must extend 6" to the front and sides of the firebox opening (you must open the door to measure).

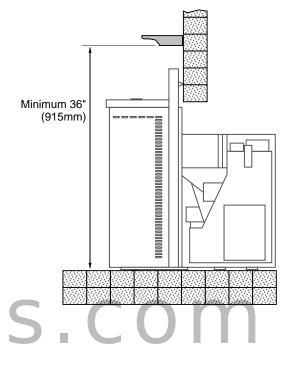
Placing the Insert

Side Wall

• The insert must be placed within an undamaged masonry or factory built (metal) fireplace. Loose bricks or other damage must be fixed. Clean the fireplace before installing.

Min.9"

(229mm)



Apply the "This fireplace has been altered..." sticker to the fireplace. You may wish to place it in a location where it will be covered by the surround panels.

> The vent should be routed to the fireplace prior to installing the insert. See the section "Vent Installation" for details on vent location.

Use the leveling bolts for fireplaces with recessed floors. Un-screw the bolts prior to placing the insert.

Place the insert so the back edge of the baseplete extends 14-1/4" (362mm) into the fireplace.

 Run the power cord to the side along the front of the fireplace (do not route it under the insert).

Venting the Pellet Insert

- INSTALL VENT AT CLEARANCES SPECIFIED BY THE VENT MANUFACTURER.
- DO NOT CONNECT THE PELLET VENT TO A VENT SERVING ANY OTHER APPLIANCE OR INSERT.
- DO NOT INSTALL A FLUE DAMPER IN THE EXHAUST VENTING SYSTEM OF THIS UNIT.
- USE AN APPROVED WALL THIMBLE WHEN PASSING THE VENT THROUGH WALLS AND A CEILING SUPPORT/FIRE-STOP SPACER WHEN PASSING THE VENT THROUGH CEILINGS (MAKE SURE TO MAINTAIN CLEARANCE TO ANY COMBUSTIBLES).

Maximum Venting Distance:

- Maximum venting height is 35' (maximum horizontal offset is 10')
- Use no more than 180° of elbows (two 90° elbows, or two 45° & one 90° elbow, etc.).

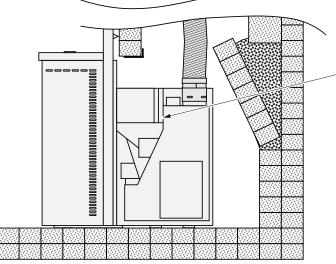
Pellet Vent Type

- Must be Type "L" vent and/or Type "L" chimney liner.
- 3" diameter vent may be used if vent is 20' or less.
- 4" diameter vent is required if vent height is over 20'.

Installing the Pellet Vent

 Pellet vent connections must be sealed airtight with 500° F. RTV silicone and screwed together with at least three sheet metal screws. Tanta and the second se

Seal each vent section (including adapters, elbows, etc...) by injecting a liberal amount of 500° F. RTV silicone into the gap between sections.



The exhaust quickconnect can be removed to allow for installation and cleaning.

Pellet Vent Termination

- Termination must be a minimum 6" above the top of the chimney (NOTE: the chimney must meet local codes for height above the roof or other obstructions).
- Must have an approved cap (to prevent water from entering).
- Must not be located where it will become plugged by snow or other material.
- This fireplace insert must be installed with a continuous chimney liner of 3" or 4" diameter extending from the fireplace insert to the top of the chimney. The chimney liner must conform to the Class 3 requirements of CAN/ULC-S636, Standard for Lining Systems for Existing Masonry or Factory-Built Chimneys and Vents, or CAN/ULC-S640, Standard for Lining Systems for New Masonry Chimneys.

Travis Vent Kits

20' Vent Kit 98900052



Mobile Home Requirements

• Outside air is required (used for combustion) - see the directions below.



16

DO NOT INSTALL IN SLEEPING ROOM.



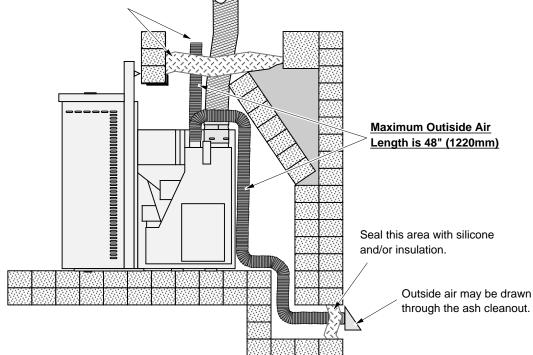
THE STRUCTURAL INTEGRITY OF THE MANUFACTURED HOME FLOOR, WALL, AND CEILING/ROOF MUST BE MAINTAINED.

Outside Air (Used for Combustion – Use Part #99200136)

Travis Industries strongly recommends outside air for all installations, especially for those with relatively air-tight homes.

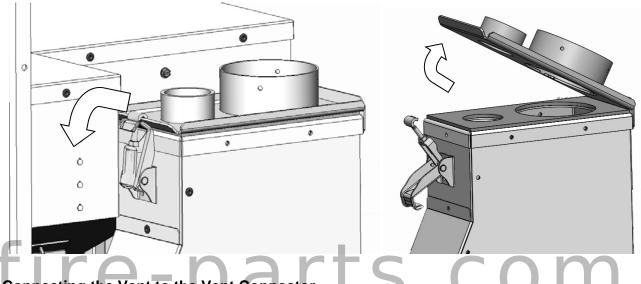
- Must not be drawn from an enclosed space (garage, unventilated crawl space).
- Must not be over 48" (1220mm) long
- Must be made with 1-¾" (45mm) diameter or larger metal or aluminum duct with a metal screen attached to the end to keep out rodents (P.V.C. or other combustible materials may not be used). We recommend the Travis Industries Outside Air Kit (part # 99200136 additional duct may be required).
- Must have a rain cap or down-turned elbow to prevent water from entering.
- Must be located so that it will not become plugged by snow or other material.

Outside air may be drawn from the chimney cavity. Make sure to include an air opening at the top of the chimney. Use a non-combustible block-off plate or barrier (insulation) to seal the chimney from the fireplace.



Detachable Vent Connector

This insert includes a detachable vent connector (also attaches to the air intake). This allows the installer to attach the chimney liner to the vent connector, slide the insert into place, then connect the vent connector to the appliance. See the illustration below for using the vent latch on the vent connector.



Connecting the Vent to the Vent Connector

- 1 Remove the vent connector from the appliance.
- 2 Apply a bead of high-temperature RTV silicone to the slip connector for the chimney liner. Insert the slip connector into the vent connector and secure using (4) sheet metal screws. Apply additional RTV silicone to the area around the connection to ensure an air-tight seal.

NOTE: All vent connections should be made with the tapered section facing downwards (see photos below).



3 Apply a bead of high-temperature RTV silicone to the chimney liner. Insert the chimney liner into the slip connector and secure using (4) sheet metal screws. Apply additional RTV silicone to the area around the connection to ensure an air-tight seal.

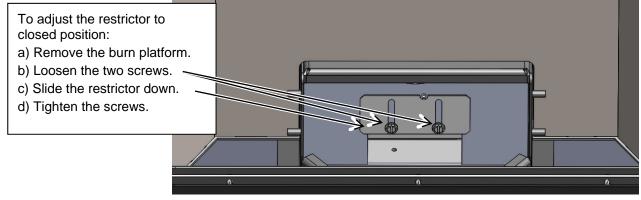


- 4 If using outside air, attach to the vent connector using a hose clamp.
- 5 Attach the vent connector to the insert. Make sure the silicone gasket attached to the bottom of the vent connector is intact and remains in place.



Restrictor Adjustment

In certain installations with excessive draft, the restrictor will require adjustment to the closed position (heater goes out on low or vent heights above 30'). Contact your dealer for details if you believe your pellet insert is encountering excessive draft. Follow the directions below to adjust the restrictor to the closed position.



Surround Panel & Control Panel Installation & Removal

NOTE: Attach the vent prior to installing the surround panels (and circuit board).

- 1. Position the insert so the front of insert is approximately 14" to 16" from the fireplace opening.
- 2. The control panel is shipped inside a box, attached to the top of the insert. Remove it from the box and place it near the insert.



fire

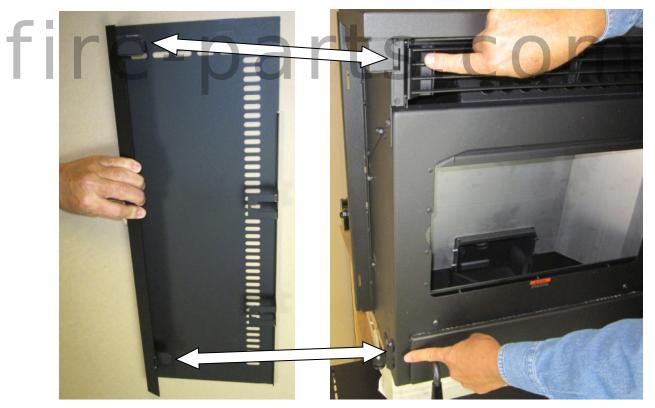
3. On older models the side panels are shipped attached (on newer models the panels are ordered separately – skip to step 5).. Each side panel is held in place with two screws (see photo below, to the left). Use a phillips screwdriver to loosen these screws 2 turns.



4. Slide each side panel forward and place aside. The side panels have slots that fit over the screws.



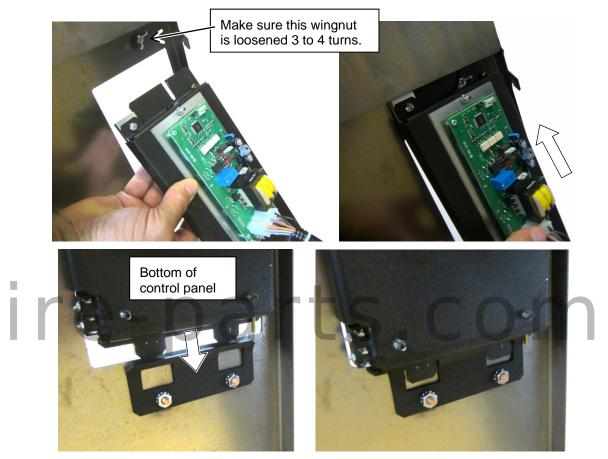
NOTE: When re-installing the side panel, make sure the tabs on the panel insert into the slots on the front of the insert



© Travis Industries

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5. Place the surround panel in front of the insert. Make sure the wingnut on the surround panel is loosened 3 to 4 turns. Slide the control panel under the wingnut, push it in, then slide it down into place. Tighten the wingnut to secure the control panel in place.



6. Carefully slide the surround panel over the hopper lid, taking care to prevent scratching. When sliding the panel into place, lift up on the panel to prevent scratching (use plastic from the stove packaging to prevent scratching).





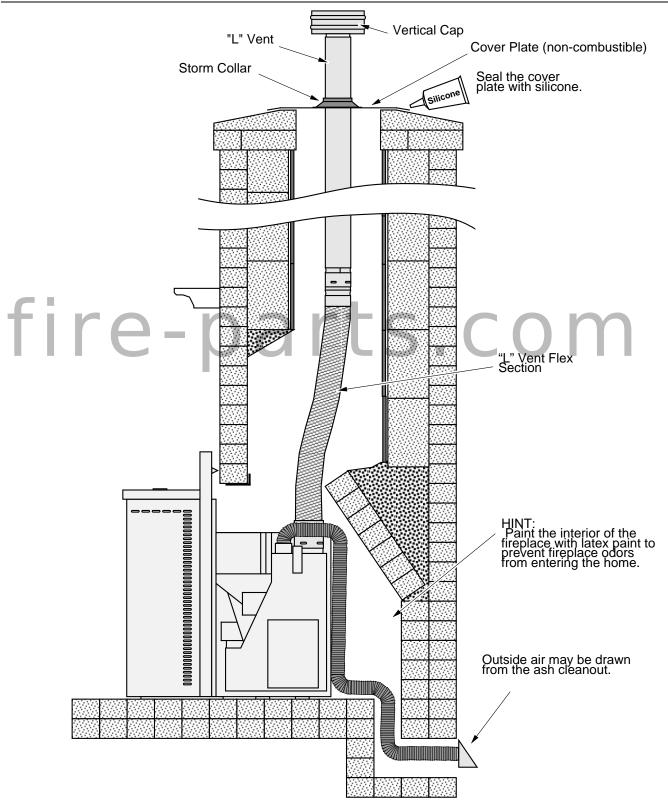
7. The panel has hooks on the sides that fit over slots on the insert. Grasp the panels with both hands, lift slightly, then push forward until all four hooks (and tabs on top of insert) engage the slots on the insert. Double-check panel alignment to verify all hooks have engaged.



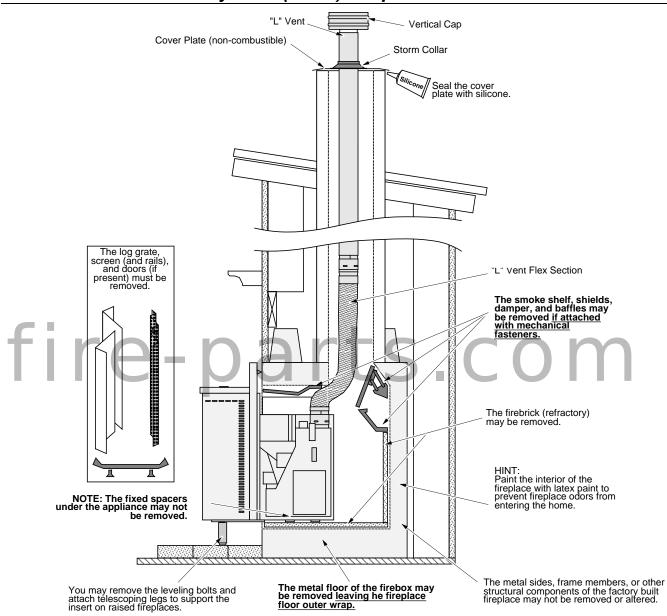
- 8. Slide the insert into place, making sure to protect the hearth.
- 9. Attach the side panels (see steps 3 and 4).

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Installation into a Masonry Fireplace



Installation into a Factory-Built (Metal) Fireplace



Safety Notice

READ THIS ENTIRE MANUAL (ESPECIALLY THE "SAFETY PRECAUTIONS" ON PAGES 4 AND 5) BEFORE USING THIS INSERT. FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH.



DO NOT UNPLUG THE INSERT TO TURN IT OFF. THIS INSERT RELIES UPON ELECTRICITY TO PUSH THE FLUE GASES OUT THE PELLET VENT – UNPLUGGING IT MAY LEAD TO SMOKE ENTERING YOUR ROOM.



FAILURE TO MAINTAIN YOUR HEATER WILL LEAD TO A RESTRICTED COMBUSTION AIR SYSTEM, LEADING TO POOR PERFORMANCE AND IN SOME CASES, SMOKE SPILLAGE INTO THE ROOM. SEE THE "MAINTENANCE" SECTION FOR DETAILS.



DO NOT USE CHEMICALS OR FLAMMABLE FLUIDS TO START THIS HEATER.

Location of Controls

The control panel is located on the right panel, behind an access door. Open the access door to access the controls.



Loading Pellets

Lift the hopper lid to its vertical position. Pour pellets into the hopper.

- **<u>NOTE</u>**: If the hopper lid is opened for more than 1 minute, the stove will enter shut down cycle. If this happens, simply restart the stove.
- <u>WARNING</u>: The top of the insert becomes hot during operation. Make sure to keep any flammable items (bag of pellets) away from the top while reloading.

NOTE: Pull this knob to release hopper lid.

NOTE: The insert will not run when the lid is open.





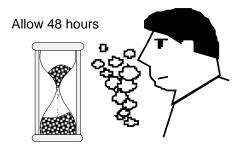
Starting the Heater for the First Time

Start the Heater - Let it Burn for 1 Hour - THEN OPEN THE DOOR.

The insert paint is cured through heat. To prevent it from bonding to the door gasket, you must burn the heater for approximately 1 hour, then open and close the door to break any bonding.

Curing the Paint

This insert uses a heat-activated paint that will emit some fumes while starting the first fire. Open doors and windows to the room to vent these fumes. You may also notice oil burning off of the interior of the insert. This ruststopping agent will soon dissipate. Allow 48 hours for the paint to cure.



Manual Mode

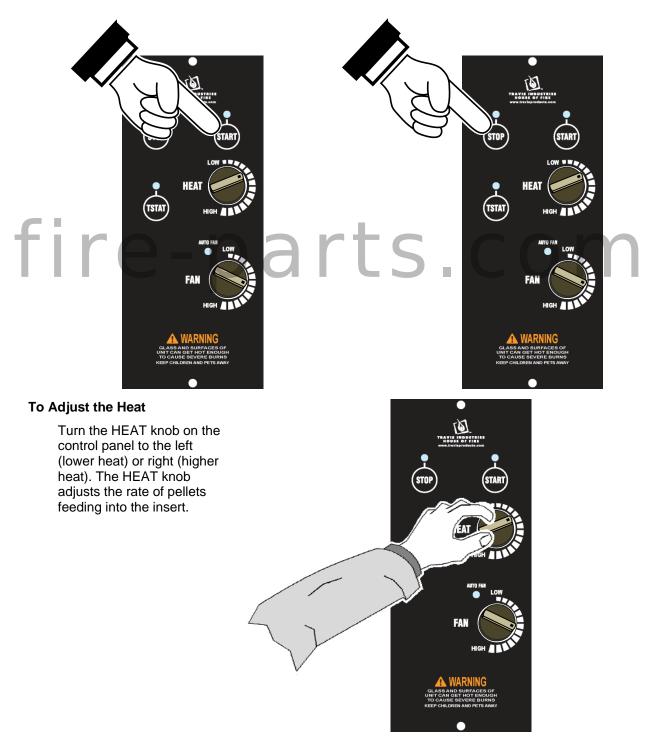
Manual mode requires the user to turn the heater on and off manually and select the heat output setting.

To Start

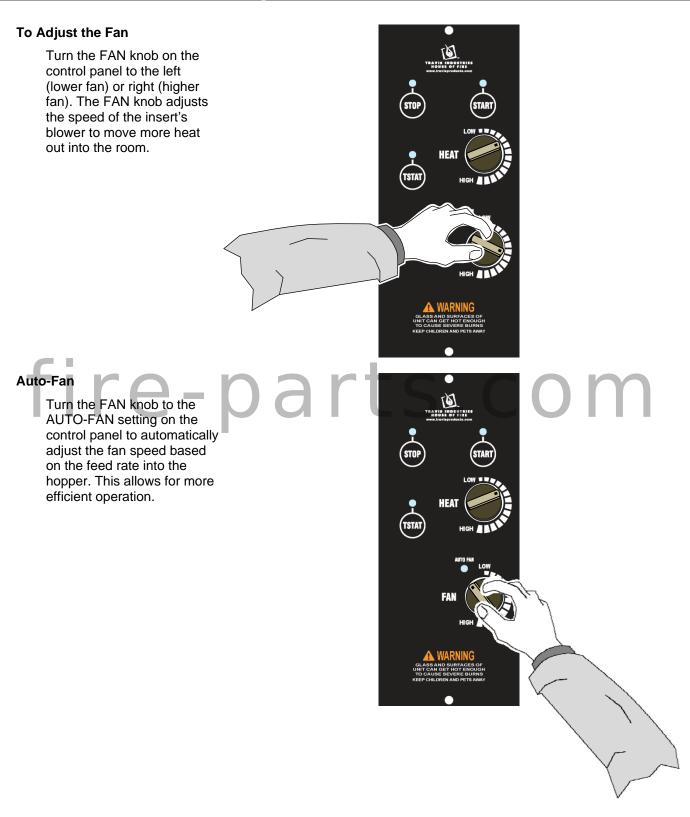
Press the START button on the control panel. The insert will enter the start-up sequence for approximately 22 minutes.

To Shut Down

Press the STOP button on the control panel. The insert will begin the shut-down process, which takes approximately 45 minutes.







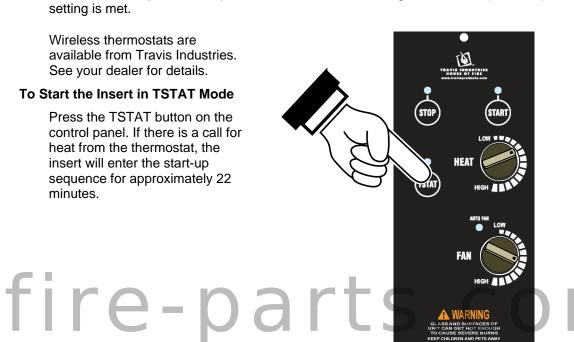
TSTAT (Thermostat) Mode

TSTAT mode allows you to use a thermostat to control room temperature. The insert automatically turns on when the temperature drops below the thermostat setting and turns off (or to low) once the thermostat setting is met.

Wireless thermostats are available from Travis Industries. See your dealer for details.

To Start the Insert in TSTAT Mode

Press the TSTAT button on the control panel. If there is a call for heat from the thermostat, the insert will enter the start-up sequence for approximately 22 minutes.



To Adjust the Heat Output

Use the HEAT knob on the control panel to adjust the heat output.

NOTE:

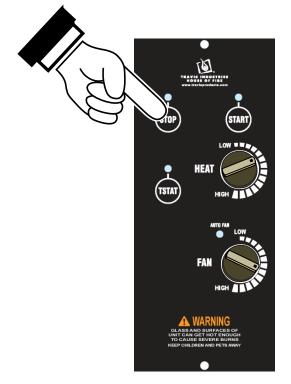
Depending upon which TSTAT Program you are in (1, 2, or 3), the heat output may vary once the target temperature is reached. For details, see "Changing the TSTAT Program" on page 30.

TIP:

If you find that the insert turns on and off repeatedly, you may wish to turn the heat output to a lower setting, which will provide a more consistent heat output over time, and eliminate the need for the thermostat to repeatedly turn off the insert.

To Shut Down

Press the STOP button on the control panel. The insert will begin the shutdown process, which takes about approximately 45 minutes.



Changing the TSTAT Program

This heater comes with three TSTAT programs built in. Each program is unique and allows you to modify your thermostat setting to your preference. The insert is shipped pre-programmed in TSTAT program 1.

How to Tell Which TSTAT Program You Are In

When you press the "STOP" and "TSTAT" button simultaneously while the unit is cold the blue Auto-Fan LED light will flash. It will flash once for Program 1, twice for Program 2, and three times for Program 3.

Switching Between Program 1, 2, and 3

Each time you press the "STOP" and "TSTAT" button simultaneously while the unit is cold, the TSTAT program will toggle to the next program. Continue to press these two buttons until the blue Auto-Fan LED light flashes the program you wish to use.

Thermostat Program 1

When the thermostat stops calling for heat (the thermostat is open) the thermostat "steps down" to a lower heat setting. The heater will stay at this setting for 15 minutes. If the thermostat does not call for heat, the thermostat will "step down" again to a lower setting (or off). At any time if the thermostat calls for heat (thermostat is closed) during this cycle, the heater will resume at the HEAT output setting set at the control board.

Heater Set at <u>HIGH</u>	If thermostat calls for heat (thermostat closed) Heater runs at setting set on control panel dial.	If thermostat stops calling for heat <u>(thermostat open)</u> Heater goes to MEDIUM. If after 15 minutes thermostat still open, heater goes to MEDIUM-LOW. If after 15 minutes thermostat still open, heater goes to LOW. If after 15 minutes thermostat still open, heater turns off.
Heater Set at	If thermostat calls for heat (thermostat closed)	If thermostat stops calling for heat <u>(thermostat</u> open)
MEDIUM	Heater runs at setting set on control panel dial.	Heater goes to MEDIUM-LOW. If after 15 minutes thermostat still open, heater goes to LOW. If after 15 minutes thermostat still open, heater turns off.
Heater Set at	If thermostat calls for heat (thermostat closed)	If thermostat stops calling for heat <u>(thermostat</u> open)
MEDIUM-LOW	Heater runs at setting set on control panel dial.	Heater goes to LOW. If after 15 minutes thermostat still open, heater turns off.
Heater Set at	If thermostat calls for heat (thermostat closed)	If thermostat stops calling for heat <u>(thermostat</u> open)
LOW	Heater runs at setting set on control panel dial.	Heater will run for 15 minutes. If thermostat still open, heater turns off.

NOTE: This program is not recommended for areas with little heating requirements (mild climates, small rooms, etc.).

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Thermostat Program 2

In Thermostat Mode Program 2 when the thermostat stops calling for heat (the thermostat is open) the following happens:

- The burn rate decreases to Level 1 (low) for 15 minutes. If there is no call for heat during that time...
- The unit turns off.

If there is a call for heat by the thermostat (the thermostat is closed) at any point during this cool-down period then the burn rate resumes corresponding with the setting on the control panel.

Thermostat Program 3

In Thermostat Mode Program 3 when the thermostat stops calling for heat (the thermostat is open) the following happens:

• The burn rate decreases to Level 1 (low) and remains at this level until there is a call for heat by the thermostat (the thermostat is closed), then resumes corresponding with the setting on the control panel.

Start-Up Sequence (Igniter)

The heater enters a start-up sequence whenever there is a call for heat and the heater isn't hot (on). This ensures proper operation through all settings and operational states (hot or cold, pellets burning or not burning, etc.), and overrides all user settings (except the OFF position). During this period the START light will flash. The insert will not enter start-up if you are loading pellets into the hopper.

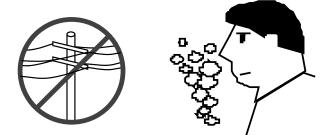
During the start-up sequence, the pellets will load into the fire platform, the flame will ignite, and the room air blower will come on when the heater comes up to the selected temperature.

NOTE: If the heater doesn't light 2 times in a row, both the START and STOP lights will turn on. The combustion blower will run for about an hour before shutting off. Check to make sure there are pellets in the hopper. We recommend cleaning the burn pot and making sure all air ports are clear of debris. Reset the unit by unplugging it and then plugging it back in.

Power Outages



BECAUSE THIS INSERT RELIES UPON A BLOWER TO EVACUATE SMOKE, SOME SMOKE MAY ENTER THE HOME DURING A POWER OUTAGE. LEAVE THE DOOR CLOSED TO KEEP THE POSSIBILITY OF SMOKE SPILLAGE TO A MINIMUM.



- **NOTE:** Travis Industries recommends a minimum vertical vent of 5' to ensure adequate draft during a power outage.
- **NOTE:** The exhaust blower will start and run up to 20 minutes every time power is interrupted (or the power cord is unplugged and plugged in). The red light on the control panel will also turn on. This safety feature evacuates smoke from the heater after a power interruption.

Manual Mode

After power is restored, if the heater is hot, it will enter the start-up sequence. If the unit has cooled it will enter a cool-down phase (exhaust blower will run up to 20 minutes to ensure smoke evacuation).

TSTAT Mode

After power is restored, if the thermostat calls for heat, the unit will enter the start-up sequence and restart. If the thermostat does not call for heat it will enter a cool-down phase (exhaust blower will run up to 20 minutes to ensure smoke evacuation).

Insert Maintenance

The following section details extensive maintenance procedures. We strongly suggest these items be carried out by a trained service technician, possibly by a service agreement set up with your dealer.

NOTE: Pellet quality may vary by region. The maintenance schedule may need to be revised to accommodate pellet quality with excessive ash.



DISCONNECT THE POWER CORD AND MAKE SURE THE HEATER HAS FULLY COOLED (APPROXIMATELY 45 MINUTES) PRIOR TO CONDUCTING SERVICE.

Maintenance Schedule

Weekly Maintenance (or every 5 bags of fuel):

- Inspect Burn
- Clean the fire platform
- Clean the heat exchange tubes

Monthly Maintenance (or every 20 bags of fuel):

- Empty the ashpan
- Clean vertical exhaust ducts
- Clean the glass

Yearly Maintenance (or every ton of fuel):

- Clean firebox liners
- Clean lower exhaust duct
- Clean convection blower
- Clean negative pressure tube
- Clean the vent
- Clean under fire platform
- Adjust door hinge and latch
- Check for air leaks
- Access and Clean Components
- Inspect Fireplace and Chimney

Removing Flyash

This heater was designed to allow for easy flyash removal with the included tools. However, to ease maintenance, several pellet insert owners have purchased vacuums specifically made to remove flyash. Furthermore, some of these vacuums are heat-resistant to allow for flyash removal while it is still warm. <u>DO NOT USE A</u> <u>STANDARD VACUUM ON THIS APPLIANCE</u> (except to clean the pellet dust out of the hopper). Standard vacuums may spread the fine particles inside the flyash into the home and are not heat-resistant (hot flyash may cause the internal portion of vacuums to ignite).

NOTE: Ask your authorized Travis dealer for a recommended ash vacuum.

Disposal of Ashes

Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have been thoroughly cooled.



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Insert Maintenance Tools

Included with the insert are three tools for maintenance: a bottle brush, brush and the cleaning tool.



Opening the Door



MAKE SURE THE HEATER HAS FULLY COOLED (APPROXIMATELY 45 MINUTES) BEFORE OPENING THE DOOR AND CONDUCTING SERVICE.

Turn the handle clockwise and pull to open the door, as shown below.



Inspect the Burn

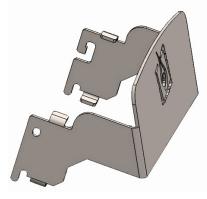
Once a week you should inspect the flame quality inside your appliance. When burning on high, the flames should be bright orange. If the flames seem to be coming only from the sides, or are orange/black, turn the heater off and check for clinkers (ashes that solidify into a clump). The most likely causes of clinkers are:

- Poor pellet quality
- The door or glass has an air leak
- The exhaust system requires cleaning

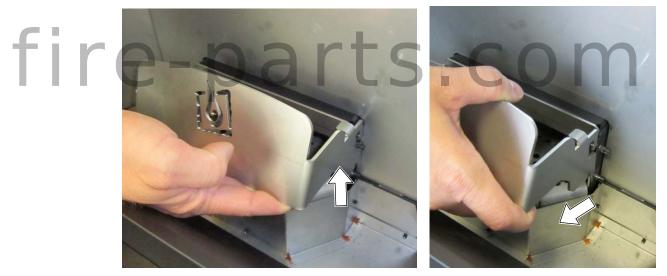
Cleaning the Fire Platform

Once a week you should clean and inspect the fire platform. The following steps outline this process.

- 1. Open the door.
- 2. Remove the visual deflector. Note how the cover has a mounting hole on the left side and hooks on the right that fit over the pins inside the firebox.

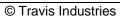


a) Lift the right side of the visual deflector up and pull it forward.



b) Slide the the visual deflector to the left while lifting from the right. Once the pin disengages from the visual deflector on the left side, the visual deflector may be removed from the firebox.





NOTES ON REPLACING THE VISUAL DEFLECTOR

When replacing the visual deflector, follow steps "a" and "b" in reverse order (see previous page). After you have repeated this process a couple times, it will become easier. When in place, make sure the visual deflector is pressed down fully on the right side. The visual deflector holds the burn platform in place and keeps it properly aligned during operation. If it is not fully seated, airflow to the burn platform may be displaced and the appliance may burn poorly.



3. Use the cleaning tool to scrape away hardened clinkers or buildup on the fire platform. Use the narrow tip to clear any plugged holes. The fire platform must be free from buildup for the pellets to burn completely.



4. Brush away flyash around the fire platform using the brush included with the insert. The flyash will fall into the ashpan below.



Cleaning the Heat Exchange Tubes

The heat exchange tubes may accumulate ash when the appliance is in use. To clean, follow the directions below.

With the hopper lid open and door closed, pull the insert grill up and forward as shown below.
 NOTE: Use both hands on the grill. Using one hand in the middle of the grill may cause it to warp.



2. Hook the cleaning tool onto the heat exchange scraper rod as shown below.



3. Move the scraper rod back and forth a few times to clean the heat exchange tubes. (NOTE: Door must be shut while cleaning the heat exchange tubes.



Cleaning the Glass

Open the doors and clean the glass with a non-abrasive glass cleaner and rag.

Emptying the Ashpan



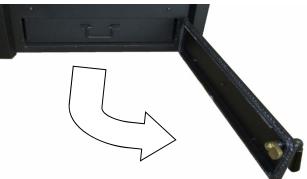
MAKE SURE THE HEATER HAS FULLY COOLED (APPROXIMATELY 45 MINUTES) BEFORE CONDUCTING SERVICE.

THE ASHPAN MUST BE IN PLACE WHILE THE HEATER IS IN USE.

The ashpan will accumulate ash as you use the appliance. See the steps below to empty the ashpan.

1. Rotate the ashpan door handle clockwise and swing the door open.



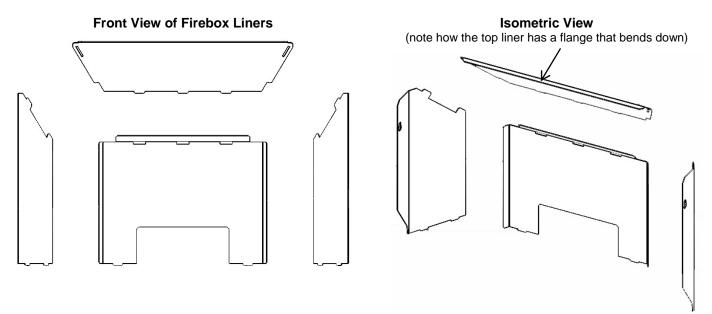


2. Remove the ashpan from the appliance and properly dispose of the ashes (see "Disposal of Ashes" on page 32 for details).



NOTE: Make sure the ashpan is pushed in 100% when replaced (this allows for full flyash coverage).

Cleaning Behind the Firebox Liners



The firebox liners help trap flyash before it enters the exhaust blower. Remove the liners and clean the area behind them following the directions below.

- 1. Open the door.
- 2. Remove the top liner. It is held in place with 3 tabs at the bottom and one large tab (and slot) on the sides. To remove, lift it up and slide it out.



3. Remove the side liners. They have keyhole slots that fit over screws on the side of the firebox. Lift them up, tilt them inwards, then remove.



4. Remove the rear liner. Lift it up and remove it from the firebox.



5. With the liners removed, clean all flyash and debris from the firebox. Clean the liners before replacing.

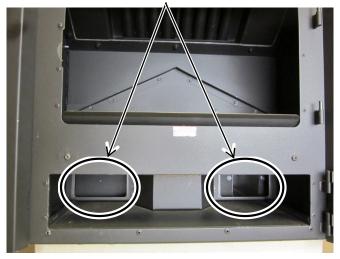
Cleaning the Exhaust Duct

The exhaust duct directs air to the exhaust blower. Follow the directions below to clean.

- 1. Open the door.
- 2. Remove the ashpan.
- 3. Remove the two exhaust duct covers as shown below.



4. Use a brush or vacuum cleaner to clean out the exhaust ducts and the area inside the firebox.





Access and Clean Components

The insert may be removed to inspect and access the components. Follow the directions below to remove the insert from the fireplace.



DISCONNECT THE POWER CORD (OR DISABLE THE BREAKER) AND MAKE SURE THE HEATER HAS FULLY COOLED (APPROXIMATELY 45 MINUTES) PRIOR TO CONDUCTING SERVICE.

- 1. Remove the surround panel (and control panel) and place aside.
- 2. Use the latch to disconnect the flue assembly from the insert.
- 3. Place protection on top of the hearth to protect it against scratches.
- 4. Slide the insert forward 4" to 12" to gain access to the components (if necessary).
- 5. Use a vacuum/compressed air to clean the internal components (cooling fan, auger motor, etc.).

Clean the Exhaust Blower



MAKE SURE THE HEATER HAS FULLY COOLED (APPROXIMATELY 45 MINUTES) BEFORE CONDUCTING SERVICE.

THE ASHPAN MUST BE IN PLACE WHILE THE HEATER IS IN USE.

- Remove the insert from the fireplace (see above).
- 2. Loosen the 8 screws holding the intake duct cover in place (11/32" nutdriver). Remove the intake duct cover by sliding it up and off the studs (the gasket will remain in place).





3. Loosen the 8 screws holding the exhaust duct cover in place (11/32" nutdriver). Remove the exhaust duct cover by sliding it up and off the studs (the gasket will remain in place).



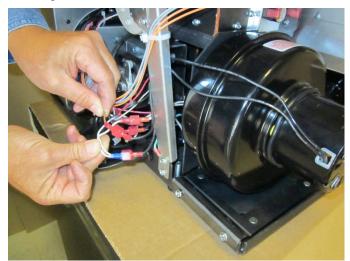


Clean the exhaust blower with a bottle brush or vacuum.
 NOTE: Take care to prevent damaging the combustion blower impellers.



Cleaning the Convection Blower

- 1 Remove the insert from the fireplace (see page 41).
- 2 Disconnect the wires leading to the convection blower.



Remove the 2 wingnuts securing the blower assembly (disregard photo below). Lift out and remove the convection blower from the insert as shown below.
 NOTE: Do not over-tighten the wingnuts when replacing (the rubber grommets must flex to absorb vibrations).





4 Remove all dust and debris from the convection blower. NOTE: Take care to prevent damaging the impellers.



Cleaning the Negative Pressure Tube

1. Disconnect the end of the tube from the combustion blower.

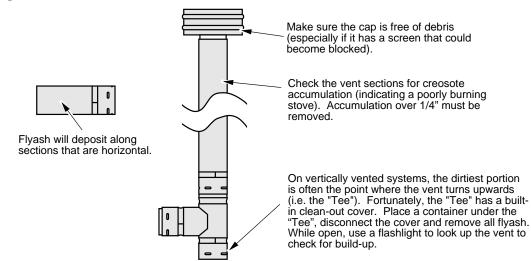








Cleaning the Vent



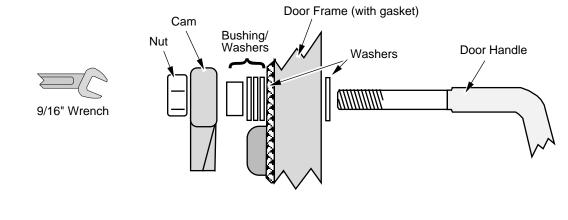


WHENEVER ANY PORTION OF THE PELLET VENT IS DISCONNECTED, THE JOINTS MUST BE SEALED WITH RTV 500° F. SILICONE SEALANT, UNLESS OTHERWISE SPECIFIED BY THE VENT MANUFACTURER.

Adjusting the Door Cam

The door cam should be tight enough to pull the door against the face of the stove yet not so tight as to not allow full handle rotation. To tighten the door cam, remove the door handle and remove one of the washers between the door frame and cam (the washer may be stored for future use by placing it between the cam and nut). To loosen the door cam, add a washer between the door frame and cam.

NOTE: Older models use 7 washers between the door & cam. Newer models use 1 bushing & 3 washers.



Checking for Air Leaks Darts.com



AIR LEAKS INTO THE FIREBOX WILL DECREASE THE INSERT'S PERFORMANCE GREATLY, LEADING TO EXCESSIVE SOOTING, INEFFICIENT BURNING, AND PERHAPS A MALFUNCTION.

- Inspect the door gasket to make sure it is fully attached. If the door gasket is worn or flattened, replace.
- If the glass is cracked, replace. The glass is held in place with clips.
- Open the ashpan access door and inspect the gasket around the door. Re-attach or replace the gasket if necessary. Re-attach, or replace the gasket if necessary.

NOTE: Ask your authorized Travis dealer to demonstrate how to check a door seal.

Troubleshooting Table

Lights on the control panel will flash when a fault has occurred. Follow the steps below to diagnose the problem before calling customer service.

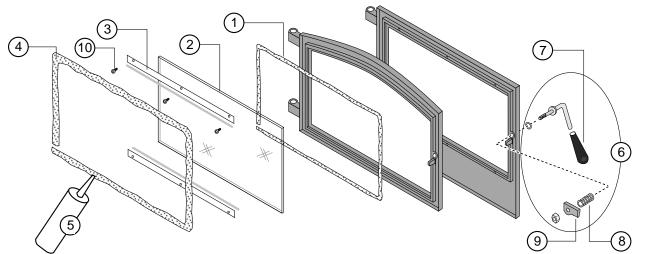
Diagnostic Code:	Possible Cause:	Don't Call for Service Until You:
RED "STOP" LIGHT FLASHING	A failed combustion blower, pressure switch or push auger.	Press the START button again to try to re-ignite the appliance.
RED "STOP" & GREEN "START" LIGHTS LIT SOLID	Two consecutive startup attempts have failed.	Verify the appliance has pellet fuel and clean the burn platform.*
BLUE "AUTO FAN" LIGHT FLASHING	Safety disc(s) tripped and appliance has entered safety shutdown mode. The appliance will no longer feed pellets and both blowers will remain on until the appliance has cooled sufficiently.	Verify the appliance is clean, free of ash and debris and that the blowers operate and are clean. Press and hold the "STOP" button for 3 seconds to clear the diagnostic code.*
RED "STOP" & GREEN "START" LIGHTS FLASH ALTERNATELY	Appliance ran out of fuel or hopper lid not fully close. In rare cases, the metering motor or system disc may have malfunctioned.	Verify the appliance has pellet fuel and hopper lid closes fully to press the hopper lid switch.*
* Attempt to re-ignite	e the appliance after troubleshooting steps.	

NOTE: Always check to make sure pellets are in the hopper and the fire platform is clean.

Replacement Parts

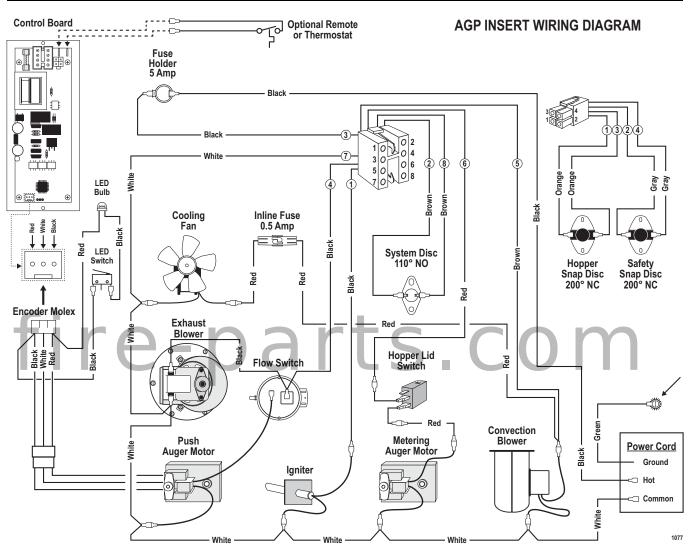
Contract your Travis Industries Dealer for replacement parts. Use only replacement parts from Travis Industries designed specifically for this heater.

Door Parts



	-						
ID #	Description	Qty	Part #	ID #	Description	Qty	Part #
1	Glass Gasket (3/8" Diameter)	1	250-02801	2	Glass – Rectangular	1	250-02073
					Glass - Arched	1	250-02678
3	Glass Clips w Gasket	1	250-00174	4	Door Gasket (7/8" Diameter)	1	250-00178
5	RTV High Temp. 600° Silicone			6	Door Handle Assembly	1	250-02074
7	Door Knob	1	250-02964	8	Door Washer	1	250-00364
9	Door Cam	1	250-00598	10	Screws (8) 8-32 x 1/2" Torx	1	250-01478

Wiring Diagram



Safety Label

WARNING - DO NOT REMOVE OR COVER THIS LABEL

MODEL: AGP Insert

Listed Pelletized Solid Fuel Burning Appliance Also for use in mobile homes Certified for US and Canada

Conforms to ASTM E1509-12, Room Heater Pellet Burning Type (UM) 84 HUD; Certified to ULC S628 Electrical Rating: 115 V, 60 Hz, 3 Amp: Start 3 Amps, Run 2.9 Amps with blower on High Maximum Input Rating: 5.0 lbs/hr

This pellet fired appliance has been tested and listed for use in manufactured (mobile) homes in accordance with OAR 814-23-900 through 814-23-909.

WARNING - FOR MANUFACTURED HOMES: Must utilize outside combustion air inlet (part #99200136) or equivalent. Structural integrity of the manufactured home floor, ceiling and walls must be maintained.

Install only in accordance with the manufacturer's installation and operating instructions. Contact local building or fire officials about restrictions and installation inspection in your area. Use only 3 or 4 in. / 77 or 102 mm diameter listed type "L" or "PL" venting system. See manufacturer's installation instructions and local codes for precautions required for passing chimney through a combustible wall or ceiling. Do not connect this appliance to a chimney flue serving another appliance. Inspect and clean exhaust venting system frequently in accordance with manufacturer's instructions.

May be installed in a sleeping room with use of outside combustion air inlet (Part #99200136) or equivalent.

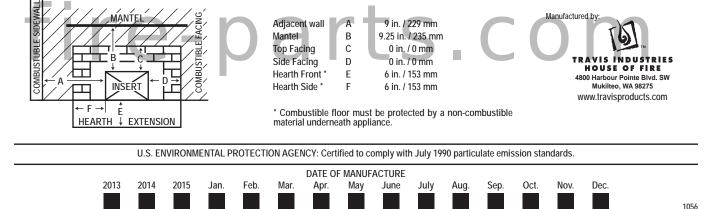
For use with 1/4 in. / 6 mm to 5/16 in. / 7 mm diameter pelletized wood fuels only.

Replace glass only with 5 mm ceramic glass available from your dealer.

DANGER: Risk of electrical shock. Disconnect power supply before servicing. Route power cord away from unit. Do not route power cord beneath heater.

Operate only with viewing door and ash removal tray tightly closed. Do not obstruct combustion air openings. The space beneath heater must not be obstructed. Keep all furnishings away from heater.

Minimum Clearance to Combustible Materials (Measured to Stove Top)



SERIAL NO:

48

Report No. G100518006PRT-001

Control No. 4000515

imited 7 Year Warranty

To register your TRAVIS INDUSTRIES, INC. 7 Year Warranty, complete the enclosed warranty card and mail it within ten (10) days of the appliance purchase date to: TRAVIS INDUSTRIES, INC., 12521 Harbour Reach Drive, Mukilteo, WA 98275. TRAVIS INDUSTRIES, INC. warrants this appliance (appliance is defined as the equipment manufactured by Travis Industries, Inc.) to be defect-free in material and workmanship to the original purchaser from the date of purchase as follows:

> Check with your dealer in advance for any costs to you when arranging a warranty call. Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

Years 1 & 2 - COVERAGE: PARTS & LABOR

Firebox Assembly:

Fire platform, Fire platform Holder, Ash Cleanout Doors, Ashbox or Ash Dump, Heat Exchanger Tubes, Exhaust Manifold, Exhaust Box Door Assembly:

Door Frame, Latch Assembly, Glass Retainers Auger Assembly: Auger Flight, Auger

Tube, Auger Bushings

Exclusions: Paint, Gasketing

Years 3 Through 5 - COVERAGE: PARTS & LABOR

Firebox Assembly: Fire platform, Fire platform Holder, Ash Cleanout Doors, Ashbox or Ash Dump, Cast Fireback, Heat Exchanger Tubes, Exhaust Manifold, Exhaust Box

Door Assembly: Door Frame, Latch Assembly, Glass Auger Assembly Auger Flight, Auger Tube, Auger Bushings

Re-Installation Allowance

In cases where heater must be removed from home for repairs, a partial cost of re-installation is covered (pre-authorization required)

One-Way Freight Allowance One-way freight allowance on pre-authorized repair done at factory is covered.

Retainers

One-Way Freight Allowance Oneway freight allowance on pre-authorized repair

done at factory is covered.

Paint, Gasketing, Ceramic Glass, Igniter System, Electrical System, Cast Iron Parts, Accessories, Re-Installation Allowance Exclusions: Years 6 & 7 - COVERAGE: PARTS ONLY

Electrical System_Auger Motor, Convection Blower,

Exhaust Blower, Circuit Board, Snap Disks, Wiring Harness,

Firebox Assembly: Fire platform, Fire platform Holder, Ash Cleanout Doors, Ashbox or Ash Dump, Heat Exchanger Tubes, Exhaust Manifold, Exhaust Box

Door Assembly: Door Frame, Latch Assembly, Glass Retainers

Exclusions: Paint, Gasketing, Ceramic Glass, Igniter System, Electrical System, Auger Assembly, Re-Installation Allowance, One-Way Freight Allowance, Labor

CONDITIONS & EXCLUSIONS

- This new appliance must be installed by a qualified installer. It must be installed, operated, and maintained at all times in accordance with the instructions 1. in the Owner's Manual. Any alteration, willful abuse, accident, neglect, or misuse of the product shall nullify this warranty.
- This warranty is nontransferable, and is made to the ORIGINAL purchaser, provided that the purchase was made through an authorized Travis dealer. 2. 3. Discoloration and some minor expansion, contraction, or movement of certain parts and resulting noise, is normal and not a defect and, therefore, not covered under warranty.
- The warranty, as outlined within this document, does not apply to the chimney components or other Non-Travis accessories used in conjunction with the 4. installation of this product. If in doubt as to the extent of this warranty, contact your authorized Travis retailer before installation.
- Travis Industries will not be responsible for inadequate performance caused by environmental conditions such as nearby trees, buildings, roof tops, wind, 5. hills or mountains or negative pressure or other influences from mechanical systems such as furnaces, fans, clothes dryers, etc.

6. This Warranty is void if:

- The unit has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals. a.
- b. The unit is subject to submersion in water or prolonged periods of dampness or condensation.

Ceramic Glass

Igniter System

Igniter, Igniter Leads

Vacuum Switch

Glass (breakage from thermal shock)

- c. Any damage to the unit, combustion chamber, heat exchanger or other components due to water, or weather damage which is the result of, but not limited to, improper chimney/venting installation.
- Exclusions to this 7 Year Warranty include: injury, loss of use, damage, failure to function due to accident, negligence, misuse, improper installation, alteration or 7. adjustment of the manufacturer's settings of components, lack of proper and regular maintenance, damage incurred while the appliance is in transit, alteration, or act of God.
- 8. This 7 Year warranty excludes damage caused by normal wear and tear, such as paint discoloration or chipping, woron or torn gasketing, chipped or cracked firebrick, etc. Also excluded is damage to the unit caused by abuse, improper installation, modification of the unit, or the use of fuel other than that for which the unit is configured.
- 9. Damage to gold or nickel surfaces caused by fingerprints, scratches, melted items, or other external sources left on the gold or nickel from the use of cleaners other than denatured alcohol is not covered in this warranty.
- TRAVIS INDUSTRIES, INC. is free of liability for any damages caused by the appliance, as well as inconvenience expenses and materials. Incidental or 10. consequential damages are not covered by this warranty. In some states, the exclusion of incidental or consequential damage may not apply.
- This warranty does not cover any loss or damage incurred by the use or removal of any component or apparatus to or from the Travis appliance without 11. the express written permission of TRAVIS INDUSTRIES, INC. and bearing a TRAVIS INDUSTRIES, INC. label of approval.
- 12. Any statement or representation of Travis products and their performance contained in Travis advertising, packaging literature, or printed material is not part of this 7 year warranty.
- This warranty is automatically voided if the appliance's serial number has been removed or altered in any way. If the appliance is used for commercial 13. purposes, it is excluded from this warranty.
- No dealer, distributor, or similar person has the authority to represent or warrant Travis products beyond the terms contained within this warranty. TRAVIS 14. INDUSTRIES, INC. assumes no liability for such warranties or representations.
- 15. Travis Industries will not cover the cost of the removal or re-installation of hearths, facing, mantels, venting or other components.
- 16. If for any reason any section of this warranty is declared invalid, the balance of the warranty remains in effect and all other clauses shall remain in effect.
- This 7 year warranty is the only warranty supplied by Travis Industries, Inc., the manufacturer of the appliance. All other warranties, whether express or 17 implied, are hereby expressly disclaimed and purchaser's recourse is expressly limited to the warranties set forth herein.

IF WARRANTY SERVICE IS NEEDED:

- 1. If you discover a problem that you believe is covered by this warranty, you MUST REPORT it to your Travis dealer WITHIN 30 DAYS, giving them proof of purchase, the purchase date, and the model name and serial number.
- 2. Travis Industries has the option of either repairing or replacing the defective component.
- 3. If your dealer is unable to repair your appliance's defect, he may process a warranty claim through TRAVIS INDUSTRIES, INC., including the name of the dealership where you purchased the appliance, a copy of your receipt showing the date of the appliance's purchase, and the serial number on your appliance. At that time, you may be asked to ship your appliance, freight charges prepaid, to TRAVIS INDUSTRIES, INC. TRAVIS INDUSTRIES, INC., at its option, will repair or replace, free of charge, your appliance if it is found to be defective in material or workmanship within the time frame stated within this 7 year warranty. TRAVIS INDUSTRIES, INC. will return your appliance, freight charges (years 1 to 5) prepaid by TRAVIS INDUSTRIES, INC., to your regional distributor, or dealership.
- 4. Check with your dealer in advance for any costs to you when arranging a warranty call. Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

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Optional Equipment

Thermostat Installation



DO NOT CONNECT 120 VAC OR 24V TO THE THERMOSTAT CIRCUIT OF THIS HEATER (DO NOT USE A HOUSEHOLD THERMOSTAT USED FOR A WALL-BOARD OR OTHER ELECTRICAL HEATER). USE A LOW VOLTAGE COMPATIBLE THERMOSTAT.

Wired (99300650) or wireless thermostats (99300689) may be attached to this appliance. Route the thermostat wires to control panel and attach them to two tabs shown below (orientation does not matter). Make sure the wires do not contact hot or moving components. See the instructions included with the thermostat for further details.



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