

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier call the fire department.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

This appliance is suitable for installation in a bedroom or bed sitting room.



TOWN & COUNTRY
L U X U R Y F I R E P L A C E S

SERIAL #

TC36 & TC36 ARCH INSTALLATION AND OPERATING INSTRUCTIONS




**MODEL: TC36 & TC36AR
SERIES D
MODULAR DIRECT VENT
FIREPLACE**




Table of Contents

Caution	3	Wall Termination Venting	21
Safety	3	Wall Termination Venting Chart	24
Important Note for the Commonwealth of Massachusetts:.....	4	Roof Termination Venting Chart	25
Fireplace Dimensions	5	Vent Terminal Clearance	28
Minimum Clearances to Combustible Material	6	Vent Terminal Minimum Clearances	28
Installation Requirements	7	Vent Pipe Sealant	29
Manufactured (Mobile) Home	7	Insulated Collar Shield (Included)	29
Door Frame Removal	7	Vent Restrictor Adjustment	30
Top Standoffs	8	Wall Shield/Ceiling Firestop Thimble.....	31
Locating The Fireplace	8	Roof Termination Kit	31
Framing and Finishing	9	Wall Termination Kit	31
TC 36D Minimum Combustible Framing Dimensions	11	Vent Pipe Dimensions	32
TC 36D Arch Minimum Combustible Framing Dimensions	11	Vent Offset Chart	33
TC36 Steel Stud Framing Kits (regular and arched)	13	Firebox Panels Installation	34
Adjustable Lintel	15	Finishing Touch Trim Kit Instructions	35
Hearth Extension	16	Lighting Instructions	36
Electrical	17	First Fire	37
Wall Switch and Remote Control	18	Special Operator Note	37
Selecting Natural Vent and Power Vent Modes ..	18	Remote Control Operation	37
Home Automation	19	Instructions for enabling the Thermostat function for Canadian users.....	41
Gas Supply	20	Maintenance	43
Gas Pressure Check	20	TC36 D Replacement Parts	44
Venting	21	TC36.DAR Replacement Parts	45
		Replacement Parts – Valve Control System	46
		Wiring Diagram	47
		Rating Label	48



DANGER



**HOT GLASS WILL CAUSE
BURNS.**

**DO NOT TOUCH GLASS UNTIL
COOLED.**

**NEVER ALLOW CHILDREN TO
TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed for the protection of children and other at-risk individuals.

Caution

FOR YOUR SAFETY - Do not install or operate your Town & Country fireplace without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the Town & Country Fireplaces™ Warranty and may prove hazardous.

This appliance and its individual shut off valve must be disconnected from gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Note: When lit for the first time, the appliance will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

Do not use the fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the United States by the National Fireplace Institute® (NFI) as NFI Gas Specialists

Safety

Due to high temperatures, this gas appliance should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from hot surfaces.

Clothing or other flammable material should not be placed on or near the appliance.

Any grill, panel or door removed for servicing the unit must be replaced prior to operating. Failure to do so may create a hazardous condition.

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

It is our policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

Important Note for the Commonwealth of Massachusetts:

From Massachusetts Rules and Regulations 248 CMR 5.08:

- (a) For all side wall horizontally vented gas fuelled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied.
1. **INSTALLATION OF CARBON MONOXIDE DETECTORS.** At the time of installation of the side wall horizontal vented gas fuelled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed, in addition, the installing plumber or gas fitter shall observe that a battery operated or hard-wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fuelled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard-wired carbon monoxide detectors.
 - a. In the event that the side wall horizontally vented gas fuelled equipment is installed in a crawl space or an attic, the hard-wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.
 - b. In the event that the requirements of this subdivision cannot be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.
 2. **APPROVED CARBON MONOXIDE DETECTORS.** Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed as IAS certified.
 3. **SIGNAGE.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fuelled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".
 4. **INSPECTION.** The state or local gas inspector of the side wall horizontally vented gas fuelled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.089(2)(a) 1 through 4.
- (b) **EXEMPTIONS.** The following equipment is exempt from 248 CMR 5.089(2)(a) 1 through 4.
1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and
 2. Product Approved side wall horizontal vented gas fuelled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.
- (c) **MANUFACTURER REQUIREMENTS – GAS EQUIPMENT VENTING SYSTEM PROVIDED.** When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:
1. Detailed instructions for the installation of the venting system design or the venting system components; and
 2. A complete parts list for the venting system design or venting system.
- (d) **MANUFACTURER REQUIREMENTS – GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED.** When the manufacturer of a Product Approved side wall horizontally vented gas fuelled equipment does not provide the parts for venting the fuel gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer.
1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and
 2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.
- (e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fuelled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Fireplace Dimensions

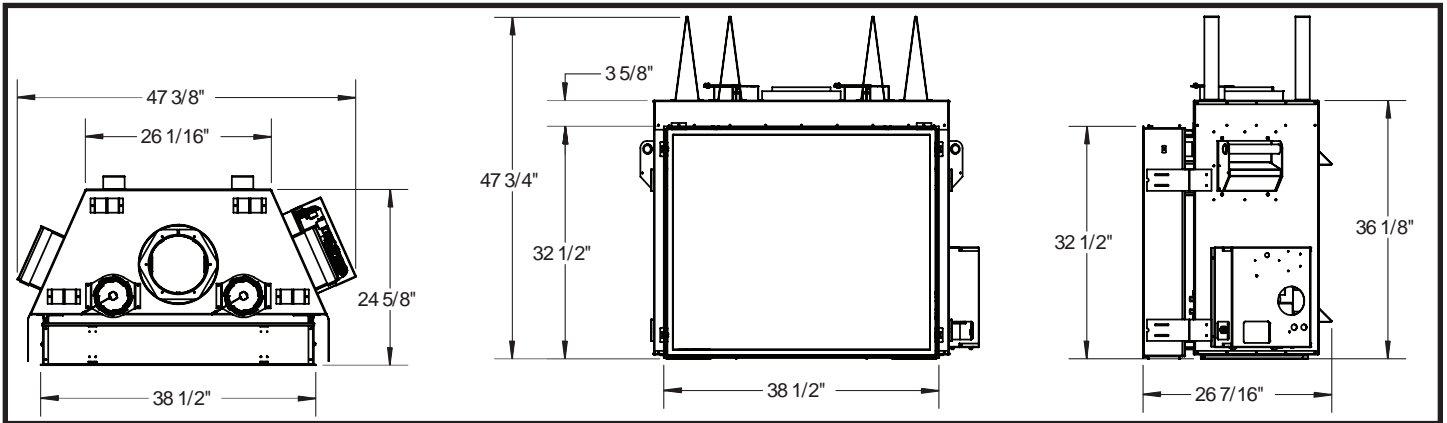


Figure 1: TC 36D Fireplace dimensions.

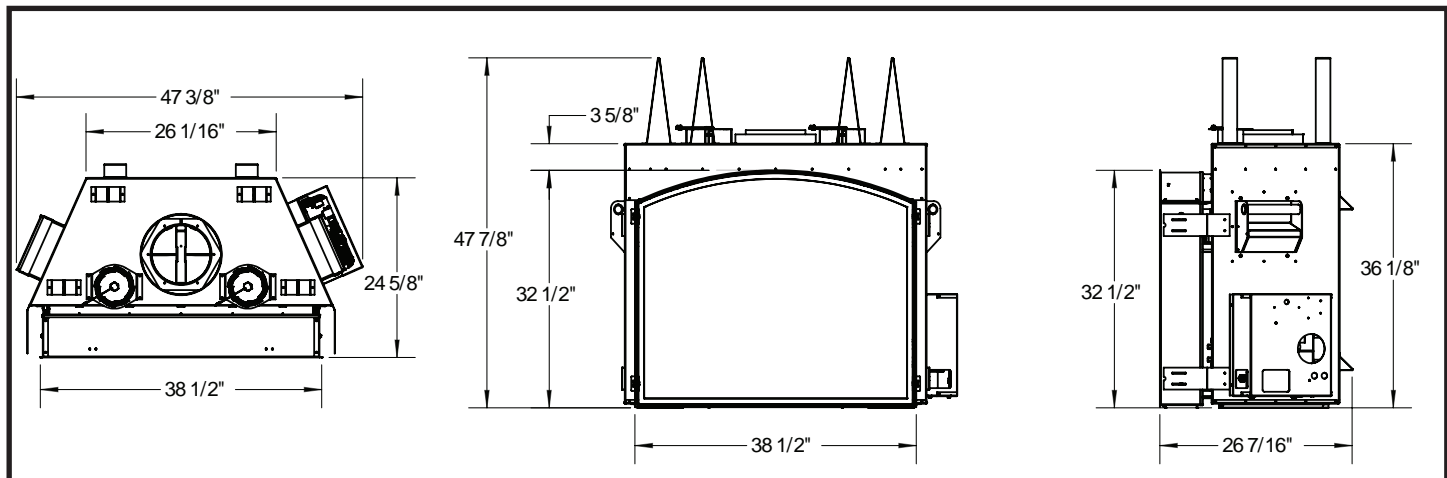


Figure 2: TC 36D Arch Fireplace dimensions.

Minimum Clearances to Combustible Material

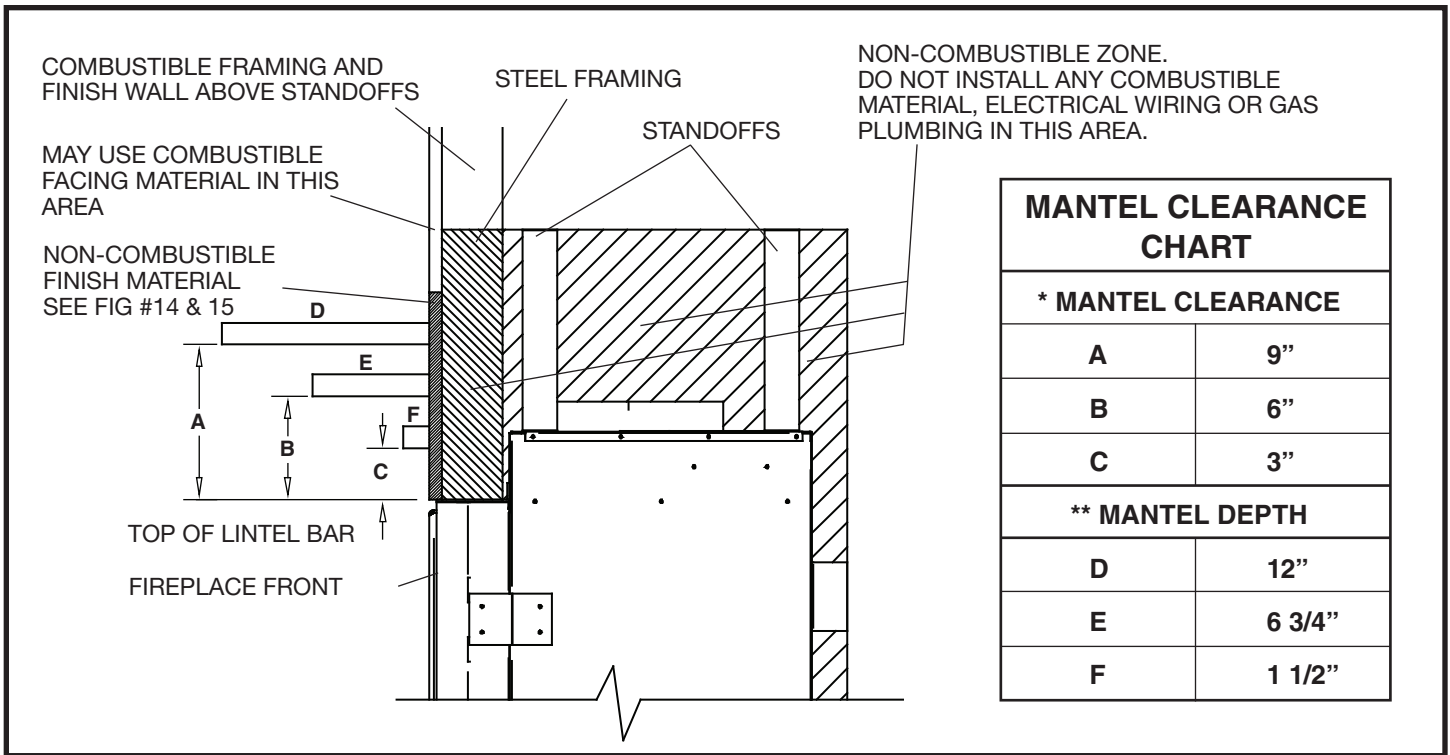


Figure 3: TC 36 Mantle clearances.

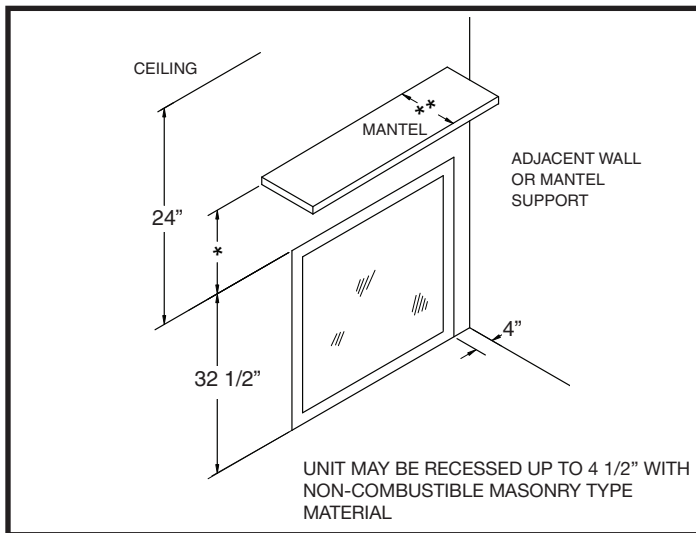


Figure 4: TC 36D Mantle.

Minimum Clearances:

Side standoffs	0 in.	(0 mm)
Back standoffs	0 in.	(0 mm)
Top standoffs.....	0 in.	(0 mm)
Bottom of appliance.....	0 in.	(0 mm)
Adjacent side wall	4 in.	(102 mm)
Ceiling to appliance.....	24 in.	(610 mm)
*Mantel to appliance.....	(Figure 3)	
**Maximum Mantel extension.....	(Figure 3)	
Mantel support	4 in.	(102 mm)
Vertical vent pipe	1 3/4 in.	(45 mm)
Horizontal Vent pipe (Top, sides and bottom).....	1 3/4 in.	(45 mm)

Installation Requirements

The Town & Country Fireplace installation and venting must conform to the current CAN/CGA-B149 installation code (in Canada) or the current National Fuel Gas Code, ANSI Z223.1 (in the USA), and approved per local codes. Only qualified (licensed or trained) personnel should install this product.

In the state of Massachusetts, only a licensed Plumber and Gas Fitter may install this product.

Manufactured (Mobile) Home

In some jurisdictions, the Town & Country Fireplace may be installed in Manufactured Homes after the "first sale". Consult local codes for approval. The fireplace must be fastened in place.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280 or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites and Communities ANSI/NFPA 501A (in the USA).

Door Frame Removal

Warning: Turn off the fireplace, and allow ample time for the unit to cool before proceeding.

Caution: The ceramic glass is very fragile, and should be handled with care.

The glass door frame is held in place by two spring-loaded latches that are operated by a one-piece latch handle.

1. Remove safety barrier screen (Figure 5) by prying the top portion of the screen toward you, then lift the screen from its tabs (inset) located at the base of the window frame.
2. Remove the TC Finishing Touch Trim Kit from the glass door frame. (If installed)
3. Using a screwdriver (Figure 6) or other similar object, push against the notch in the top of the latch and grab the bottom of the latch handle as it protrudes (Figure 7). Lift handle until latch hook disengages. Repeat for other side while holding glass door so that it does not tip out.
4. Tilt the top of the glass door frame out to clear the top edge of the unit. Grasp the sides of the frame and lift up and out to disengage from its bottom track.
5. Place the glass door frame in a safe place to avoid damage.
6. Reassemble in reverse order. Latch handle should snap into place and be flush with glass door frame when engaged correctly.
7. Reinstall trim kit if required.
8. Reinstall safety barrier screen.

TIP:

To ensure glass door is properly latched, grasp the top left and right sides of the glass frame. Under moderate pressure it should pull forward and return to original position evenly on both sides.

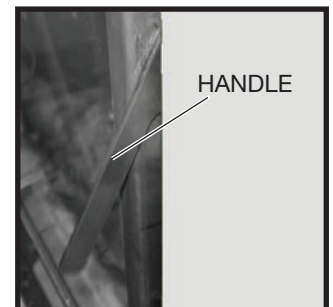


Figure 5: Safety barrier screen. Figure 6: Accessing handle. Figure 7: Handle.

Top Standoffs

The top standoffs are shipped loose inside the fireplace and must be installed on top of the fireplace (Figure 8). Do this once the fireplace is in position.

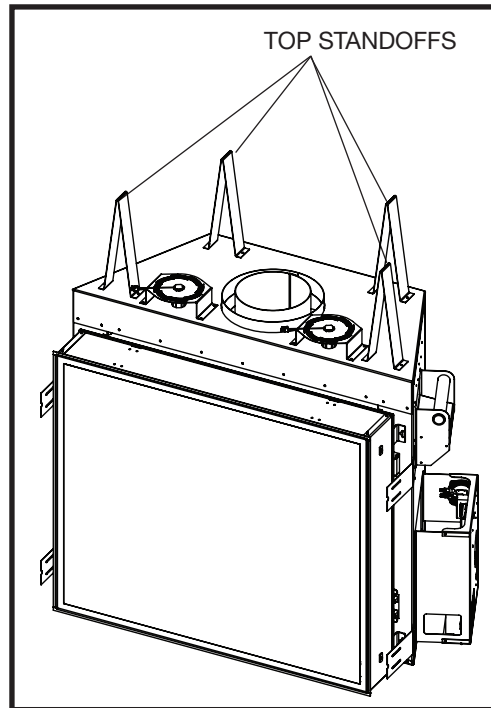


Figure 8: TC 36D Standoffs.

Locating The Fireplace

In planning the installation for the fireplace, it is necessary to determine where the unit is to be installed, location of vent system and where gas supply piping may be plumbed. Various installations are possible, such as, into an existing wall, a corner, a built-in wall or a wall projection (Figure 9). Due to high temperatures, do not locate this fireplace in areas of high traffic or near furniture or draperies.

The minimum clearances from the fireplace to combustible surfaces must be adhered to and are shown in Figure 3 & Figure 4.

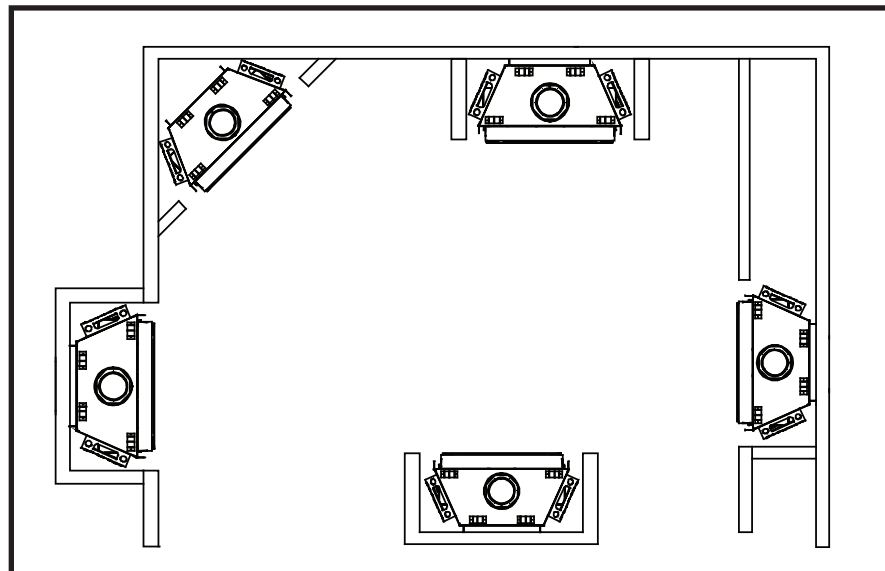


Figure 9: TC36 Possible locations.

Framing and Finishing

Note: The fireplace should be in place and venting installed before framing in or building an enclosure around the unit.

The Town & Country fireplace must be framed in as described below or totally enclosed with non-combustible material, such as facing brick.

Determine the total thickness of facing material to be used. A thickness of 3/4" will allow the finishing surface to be flush with the front of the unit. If preferred, additional masonry type non-combustible material can be installed above and to the sides outward up to 4 1/2 inches of the appliance. The finishing material must not interfere with glass door frame access.

A Steel Stud Framing Kit is supplied with the fireplace and must be used unless the fireplace is totally enclosed with non-combustible material. Assemble the framing kit as per the instructions on pages 12 & 13 of this manual. Attach

the steel frame to the fireplace once the fireplace is in its final position. Secure the steel frame to the framing brackets on each side of the unit. Ensure that the studs are set back far enough to allow for thickness of finishing surface.

The sides, back and top of the fireplace can be framed in up to the steel studs and the fireplace standoffs using conventional lumber. Consult local building codes for specific requirements.

Due to high temperatures, non-combustible backing board, such as cement board or its equivalent, must be used to sheet in the front of the fireplace, extending 12" above and 5 9/16" to the side of the framing edge bars (Figure 14). Standard sheet rock (dry wall) may be used beyond this point.

If the backing board is not to be finished with other non-combustible material such as tiles, it is recommended that top sections of the board be a single sheet of

calcium silicate board or its equivalent. Taped and mudded joints may crack due to the elevated temperatures.

Chase Insulation: When installing this fireplace against a non-insulated exterior wall or chase, it is recommended that the outer walls be insulated to same degree as other exterior walls. Do not place fireplace directly against the insulation. Cover the insulation and plastic vapour barrier with a solid surface, such as dry wall (sheet rock). Consult local codes. Do not insulate or use plastic vapour barrier within the framing kit.

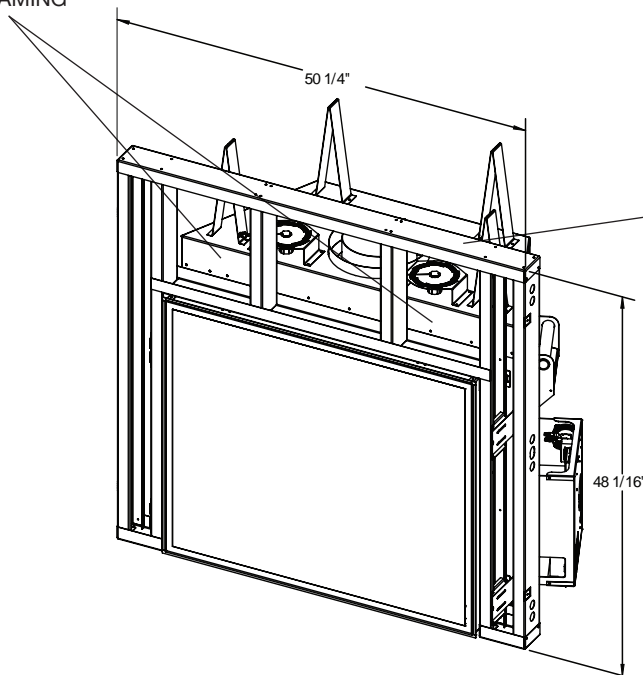
CAUTION: See Figure 16 BEFORE PROCEEDING.

NOTE:

The chase must be properly sealed at the ceiling level or between floors in a multilevel installation.

NON-COMBUSTIBLE ZONE. DO NOT INSTALL ANY COMBUSTIBLE MATERIAL, ELECTRICAL WIRING, INSULATION, PLASTIC VAPOR BARRIER OR GAS PLUMBING WITHIN THE STEEL STUD FRAMING

STEEL STUD FRAMING KIT DIMENSIONS (Supplied with fireplace)

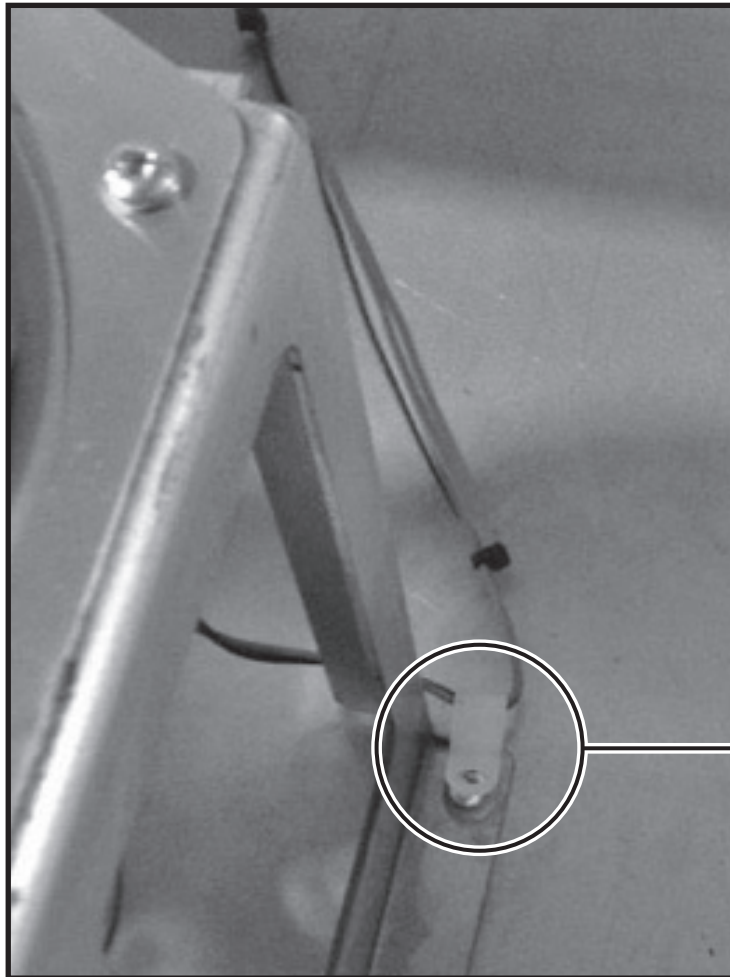


ALL OTHER FRAMING CAN BE DONE WITH CONVENTIONAL LUMBER

IT IS HIGHLY RECOMMENDED THAT A FULL HEADER BE INSTALLED ABOVE THE METAL FRAMING KIT

Figure 10: TC 36D with regular frame.

NOTE: This fireplace ships with the light wiring secured in retaining clips. Remove light wiring from the retaining clip before installing and walling up the fireplace.



Wire retaining clip

Figure 11: Light wiring retaining clip.

TC 36D Minimum Combustible Framing Dimensions

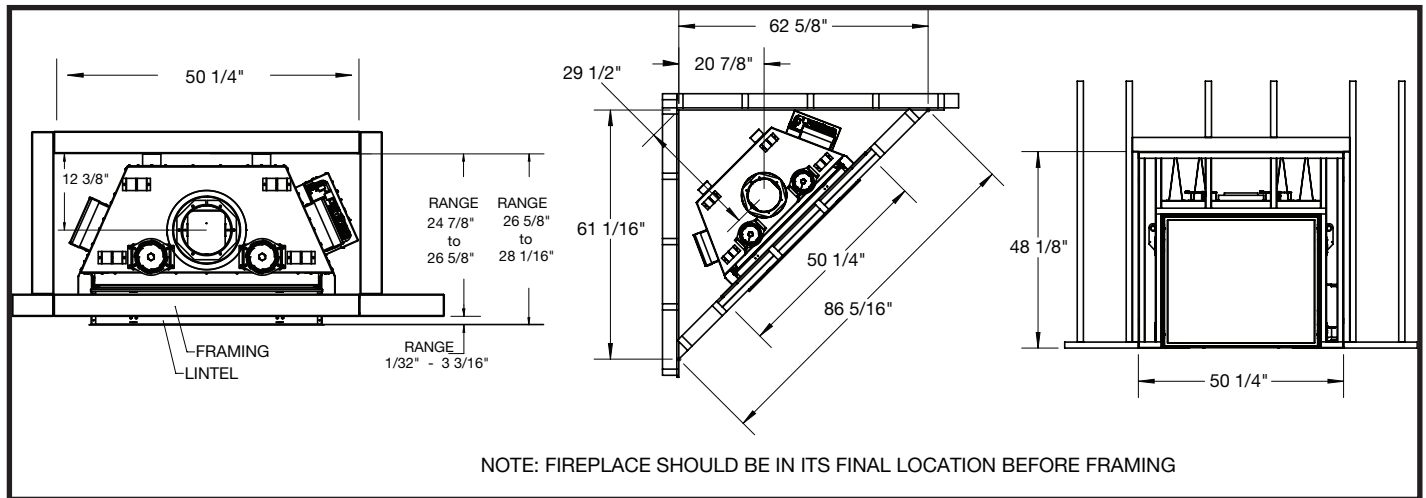


Figure 12: TC 36D Minimum combustible framing dimensions.

TC 36D Arch Minimum Combustible Framing Dimensions

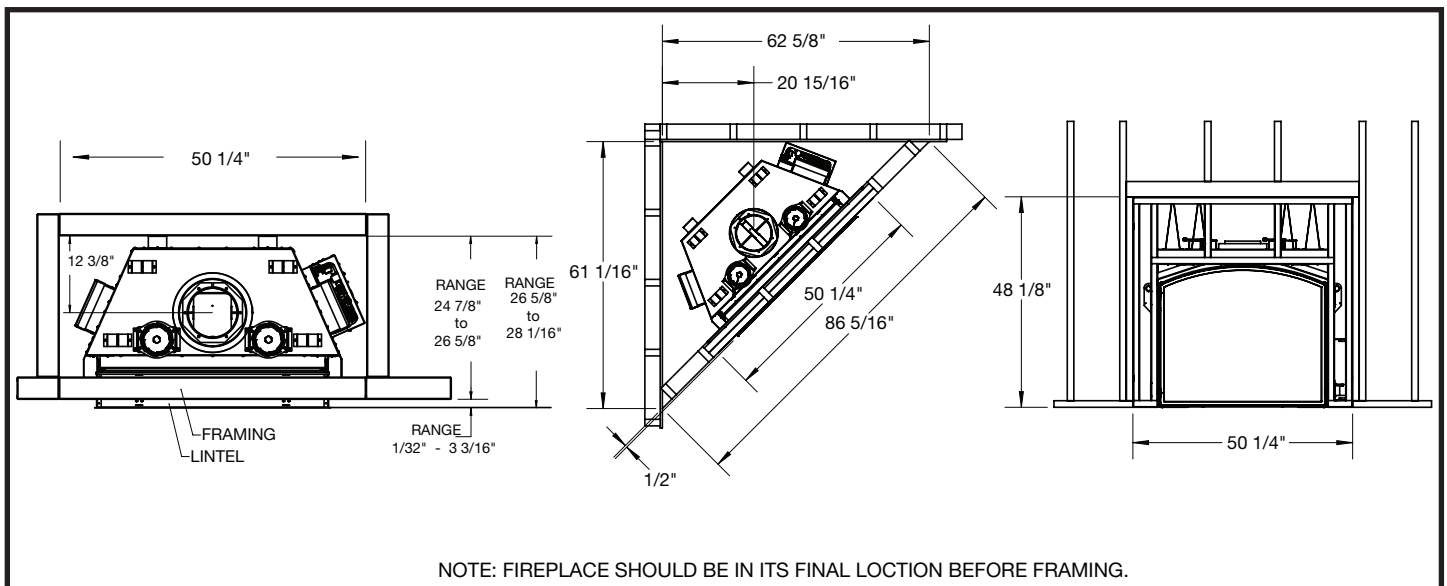


Figure 13: TC 36D Arch Minimum combustible framing dimensions.

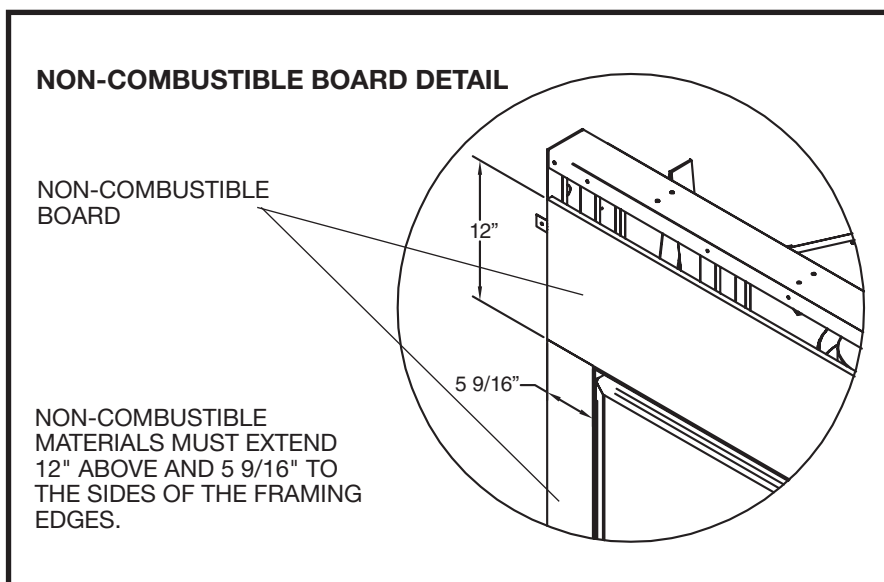


Figure 14: TC 36D Non combustible board dimensions.

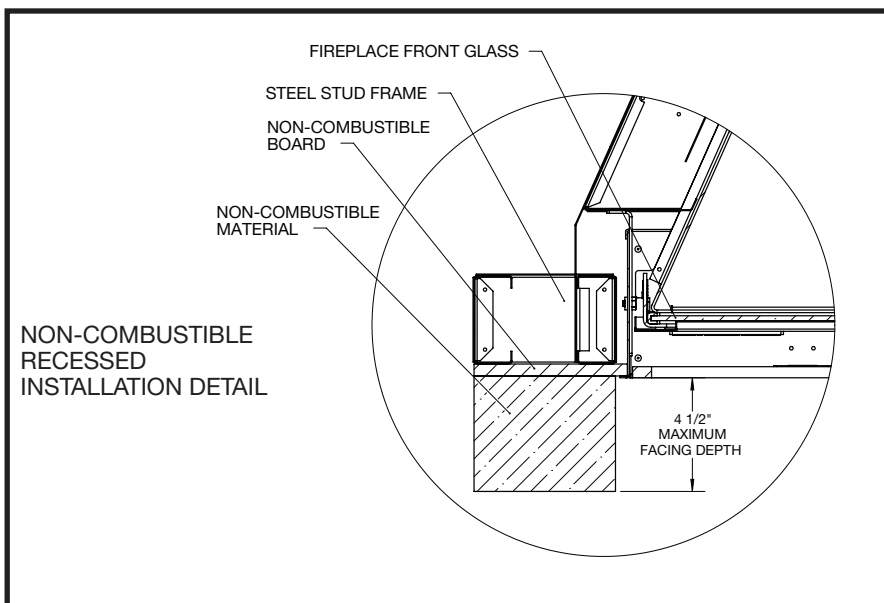


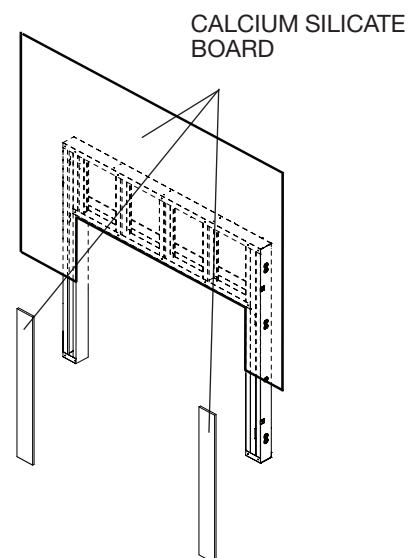
Figure 15: Recessed installation detail.

If finishing the wall above the unit with paint, the framing kit shipped with the unit should be discarded. Use full sheets of calcium silicate board or equivalent and full length metal studs to finish and frame around the unit.

Calcium silicate board is a high grade material with cement, quartz and natural minerals as the main raw materials. (Note: Calcium Silicate is 1/2" thick)

CAUTION: Calcium Silicate board can be damaged if dropped or struck. Handle with care. Inspect board prior to installation and do not use if cracked.

NOTE: It is recommended to pre-drill mounting holes in the board prior to securing to the framing. This will prevent the board from cracking.



FULL SHEET OF A NON-COMBUSTIBLE MATERIAL (NOT INCLUDED IN KIT)

Figure 16: Non combustible calcium silicate board.

TC36 Steel Stud Framing Kits

(regular and arched)

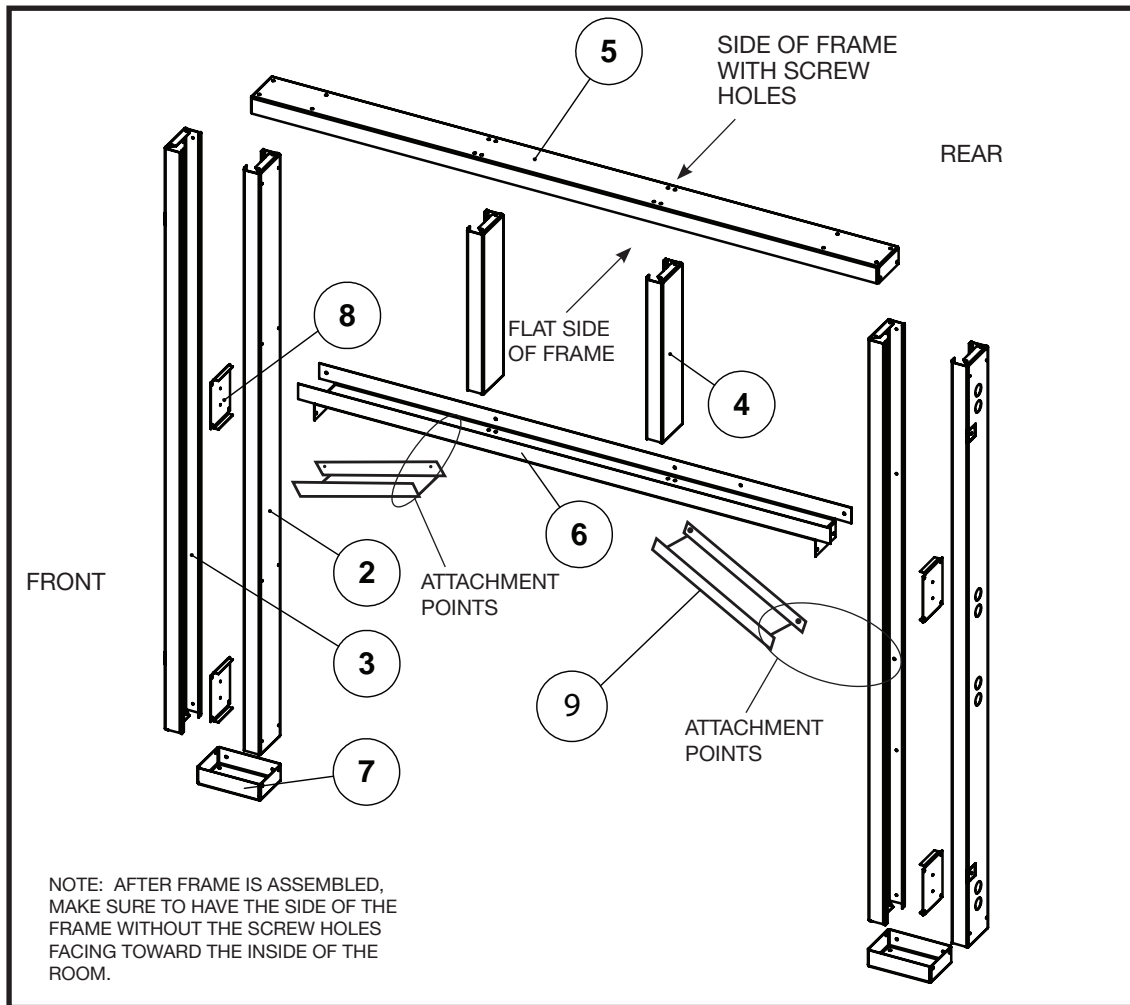


Figure 17: TC 36D Framing with arch components.

REGULAR STUD FRAMING KIT PARTS TC36.B2FRKITA

ITEM NO.	DESCRIPTION	QTY.
1 (NOT SHOWN)	SCREWS.TEK	40
2	STUD SIDE. INNER 48" L	2
3	STUD VERT. OUTER 48" L	2
4	STUD VERT. CENTER 15 7/16" L	2
5	STUD HEADER, HORIZ. 49 7/8"	1
6	STUD PLATE, HORIZ. 41 1/4 "L	1
7	BASE PLATE 5 15/16" L	2
8	FRAMING PLATE	4

ARCHED STUD FRAMING KIT PARTS TC36.BRFRKITA

ITEM NO.	DESCRIPTION	QTY.
1 (NOT SHOWN)	SCREWS. TEK	40
2	STUD SIDE. INNER 48" L	2
3	STUD VERT. OUTER 48" L	2
4	STUD VERT. CENTER	2
5	STUD HEADER, HORIZ. 49 7/8"	1
6	STUD PLATE, HORIZ. 41 1/4 "L	1
7	BASE PLATE 5 15/16" L	2
8	FRAMING PLATE	4
9	ARCH SUPPORT	2

1. Top Frame Assembly

Lay out the inner (2) and outer (3) vertical side studs, and vertical center studs (4) on a large flat surface.

Using the screws provided, attach the upper header stud (5) and the stud plate (6) to the vertical center studs (4) (Figure 18 or Figure 19).

2. Attach Side Studs (Legs)

Attach the inner (2) and outer side studs (3) to the top of the upper header stud (5). (Figure 18 or Figure 19).

Fasten the inner and outer vertical side studs (2 & 3) at the bottom using the base plates (7) (Figure 18 or Figure 19).

3. Archway Studs. (if using)

If including the archway, attach the diagonal studs (9) (Figure 19) to the lower horizontal studs and the inner vertical studs.

Turn the assembled frame over to access the remaining fastening points.

4. Attach the Assembled Frame to the unit.

Align the assembled frame to the unit framing brackets. (Figure 20 or Figure 21). Attach at the fastening points through the access holes in the outer side studs. NOTE: Be sure that the side of the frame with the screw holes is facing the fireplace.

5. Secure to Existing Framing

Secure the frame assembly to existing framing through the upper horizontal stud and the stud plates.

6. Install Non-combustible Board

Use drywall screws to install the non-combustible board (Figure 22) or (Figure 23).

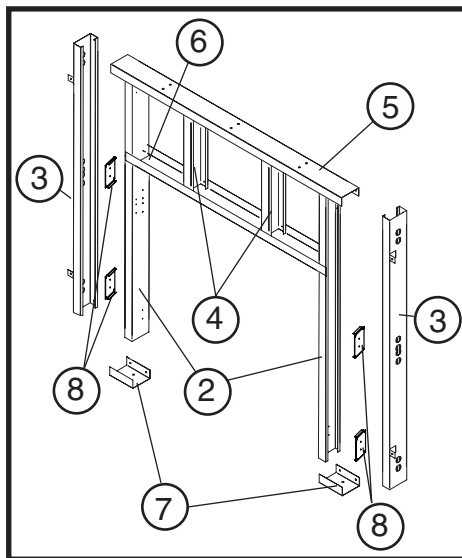


Figure 18: TC 36D regular frame.

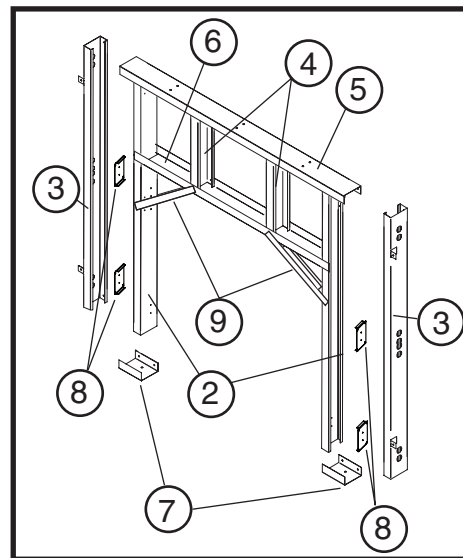


Figure 19: TC 36D arched frame.

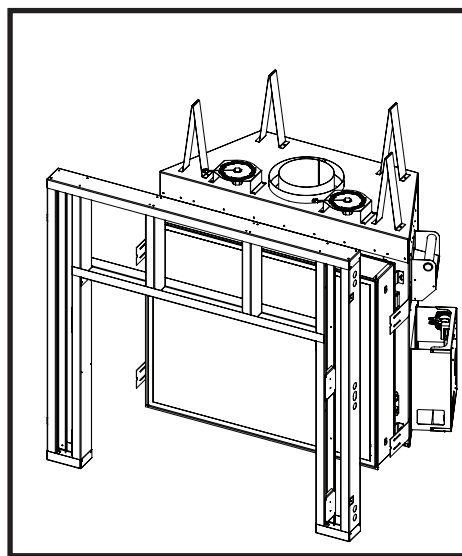


Figure 20: TC 36D regular frame assembled.

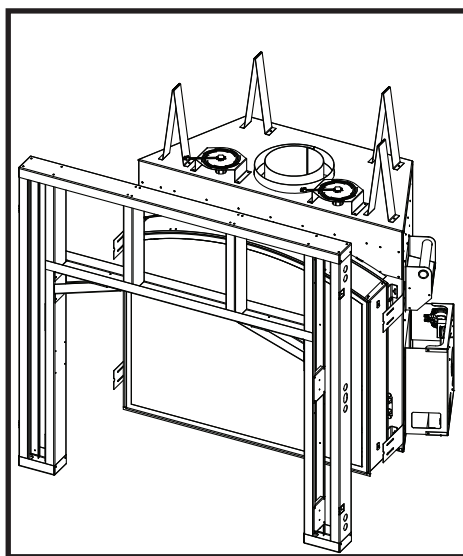


Figure 21: TC 36D arched frame assembled.

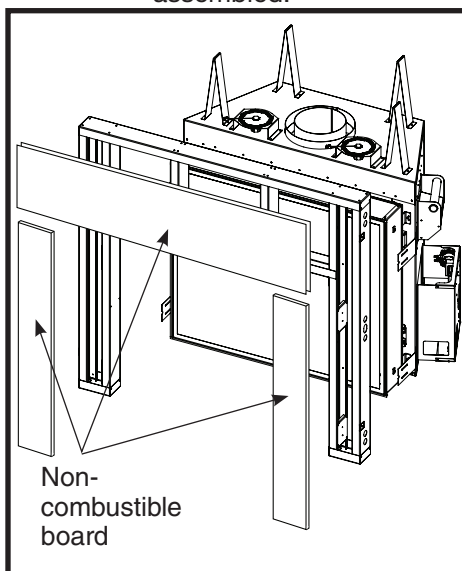


Figure 22: TC 36D regular frame with non-combustible board.

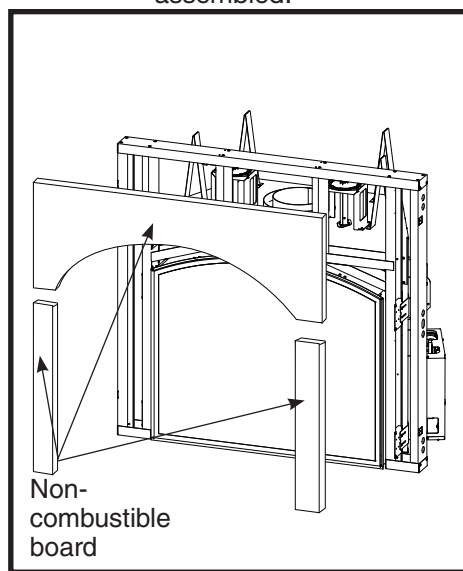


Figure 23: TC 36D arched frame with non-combustible board.

Adjustable Lintel

1. The adjustable lintel assembly has two orientations for desired finishing. A flanged edge and a hemmed edge. The lintel comes factory installed with the flange edge out. If the desired edge is different from the factory setting, use the following steps to change the Lintel edge.
2. Remove safety barrier screen.
3. Remove the glass door trim (Figure 24).
4. Loosen the securing bolts in the upper and lower corners on each side of the lintel and remove the lintel. Rotate the assembly to have the desired edge away from the fireplace (Figure 25).
5. The lintel assembly can then be adjusted to align flush with your facing material by sliding in or out approximately 1".
6. Tighten the securing bolts.
7. Reattach the window trim.
8. Reinstall safety screen.



Figure 24:
TC 36D Lintel
and trim.

SAFETY
BARRIER
SCREEN

GLASS
DOOR TRIM

FLANGED EDGE

HEMMED EDGE

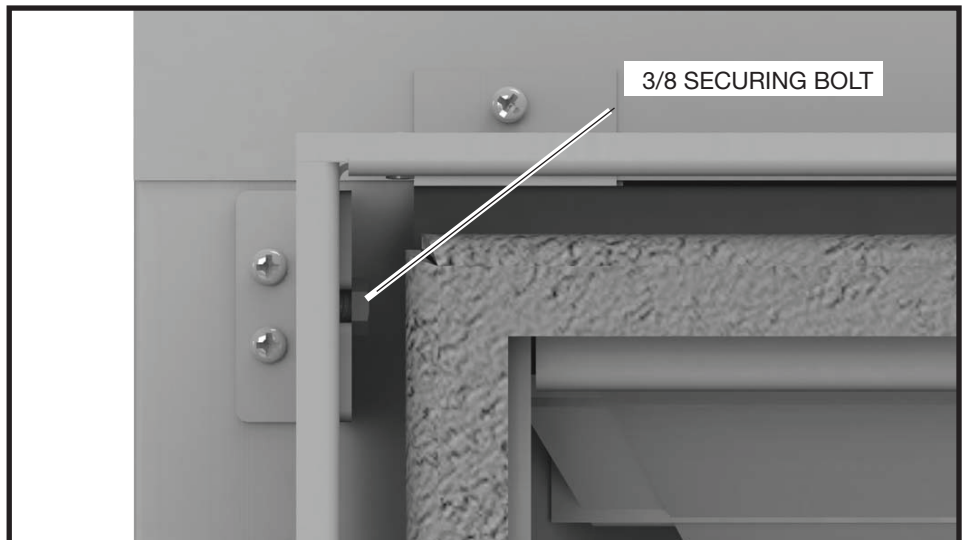


Figure 25: TC 36D Securing bolt.

This fireplace may be recessed up to a maximum depth of 4½". This recess must be constructed from non-combustible material. The space between the outside framing edge and the firebox must be completely free of any obstructions or debris. The glass door, with trim fitted, must be able to move freely. No building material is permitted to protrude past the framing edges attached to the fireplace under ANY circumstance.

NON-COMBUSTIBLE
FINISH MATERIAL

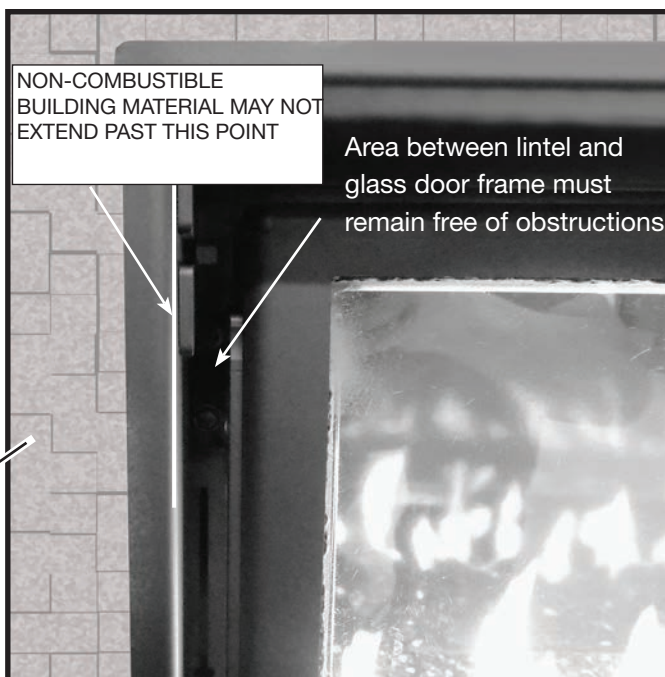
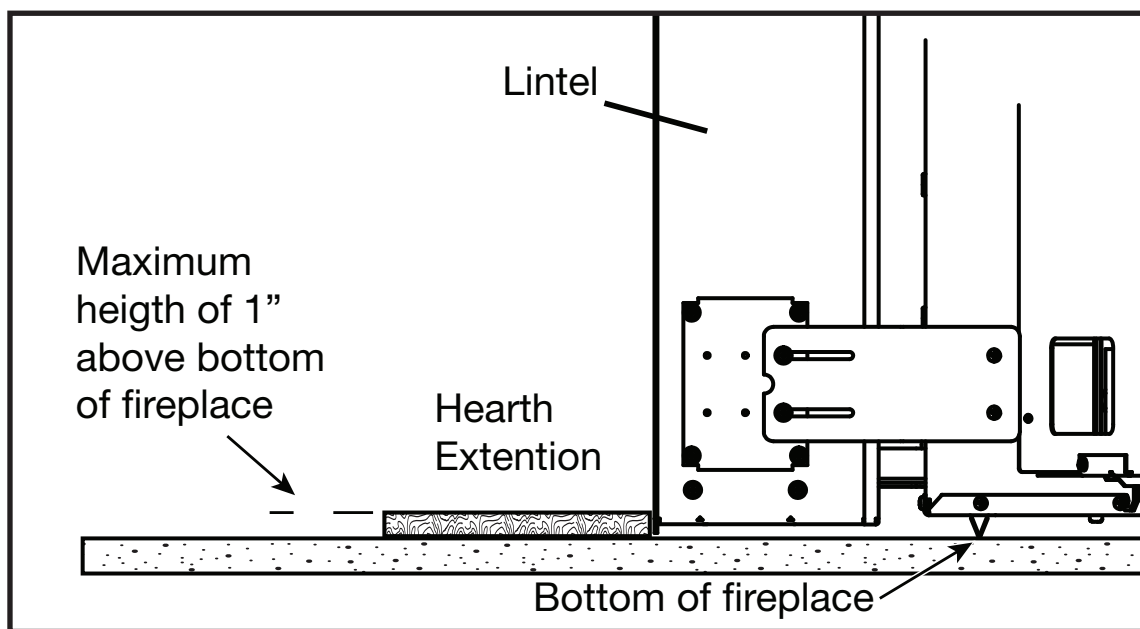


Figure 26: Framing edge location.

Hearth Extension

Figure 27: TC36.D
Hearth extension.



Caution: While a hearth extension is not required and combustible flooring materials may be brought directly up to the fireplace, many materials (such as wood flooring) may not tolerate the radiant heat from this fireplace, resulting in discoloration, shrinking and cracking. For this reason, we suggest a non-combustible hearth that is no more than 1" above the bottom of the fireplace. If thicker, fireplace must be raised accordingly.

Caution: Hearth extensions thicker than 1" will interfere with the safety screen and window frame when opening.

Electrical

The gas control system is located on the right hand side of the firebox behind an access panel and the decorative firebox panel (if installed). The fireplace is operated via a wall switch and a hand held remote control unit.

The wall switch is connected to the fireplace by a 40 ft. communication cable supplied with the fireplace.

Installation

1. Place the fireplace in the desired location.
2. Remove the glass door frame from the fireplace.
3. Remove access panel from right hand side of the firebox (Figure 28).
4. Connect 110 V. AC electrical supply to the wires installed inside the junction box (Figure 29). The fireplace is rated at 110 volts, 60Hz, 0.25A. The optional power vent kit is rated at 115 volts, 60Hz, 1.8A.

The electrical wires can be accessed from both inside and outside the junction box by removing one of the two small access panels (Figure 29) or (Figure 30).

5. Attach the wall switch to the framing in the desired location (40 ft is supplied with fireplace).
6. Route the wall switch control cable (supplied) as required to the wall switch (Figure 32).
7. Attach one end of the wall switch control cable to the wall control. (Figure 32), and the other end to the interface board (Figure 30).
8. Insert the 4 supplied "AA" batteries into the battery pack of the wall switch (Figure 33).
9. If not already installed, install the burner using the instructions supplied with the burner kit.
10. Turn on the gas supply and check that all connections are tight and leak free.
11. Turn on gas and electrical supplies.
12. Move the center button on the wall control (Figure 31) to the "ON" position. The igniter will start to spark. After a short delay, the pilot will light followed by the main burner.

FIREBOX ACCESS PANEL



Figure 28: Access to firebox.

JUNCTION BOX OUTER ACCESS PANEL

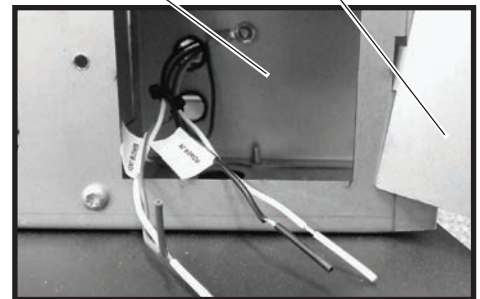


Figure 29: Junction box wiring.

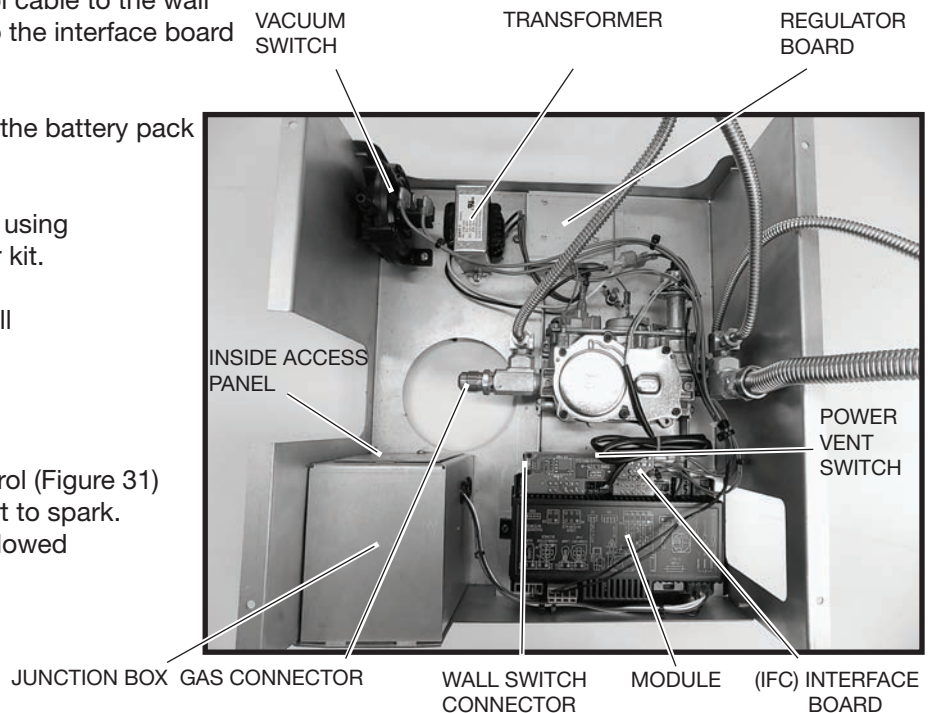


Figure 30: Valve assembly components.

Wall Switch and Remote Control



Figure 31: Town & Country wall switch.

Linking the remote control unit to the wall switch.

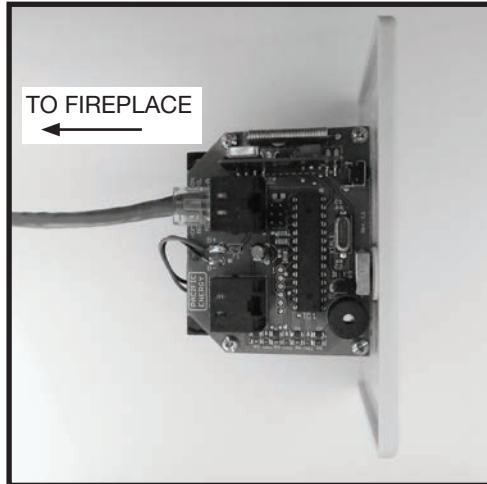


Figure 32: Wall switch interface side.

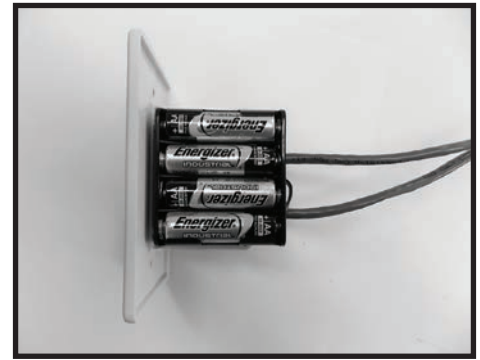


Figure 33: Wall switch battery side.

1. Begin by moving the selector toggle on the wall switch to the "REMOTE" position.
2. Insert a straightened paper clip into the "PROGRAM" slot (Figure 31) on the wall switch.
3. Press the internal "PROGRAM" button once and wait until you hear 3 beeps from the wall switch.
4. Press the ON/OFF button of the remote unit. Once the wall unit beeps 3 times, the remote is programmed.
5. The toggle on the wall switch must be kept in the "REMOTE" position in order to use the remote control unit.

NOTE: The wall switch comes with the lower ethernet cable blocked with a piece of red tape. If connecting to a customer supplied home automation system, remove the piece of tape to connect with the home automation system. If not using a home automation system, leave the piece of tape in place and use the unblocked port to connect to the IFC module of the fireplace.

Selecting Natural Vent and Power Vent Modes

The PV / NV (Power Vent / Natural Vent) switch (Figure 34) on the interface board (Figure 30) is set according to which type of evacuating vent system is present. If the fireplace is vented without the assistance of a power vent, the switch should be set to "NV". If using a power vent, "PV" should be selected. Follow the instructions provided with the power vent kit for proper installation.

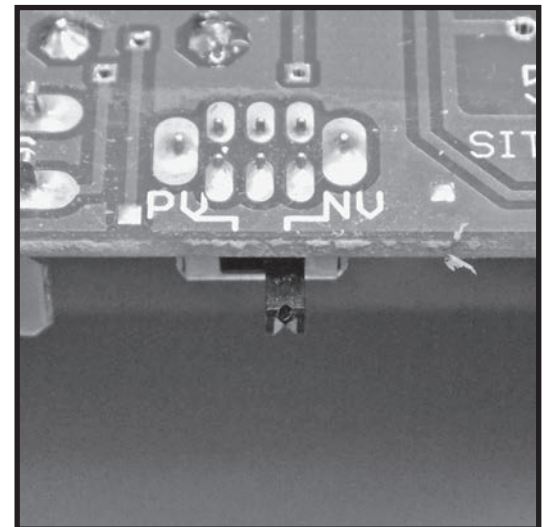


Figure 34: Vent mode selection switch.

Important Note:

When switching between PV and NV, both the electrical power supply to the fireplace must be turned off and the backup batteries removed to properly re-set the module.

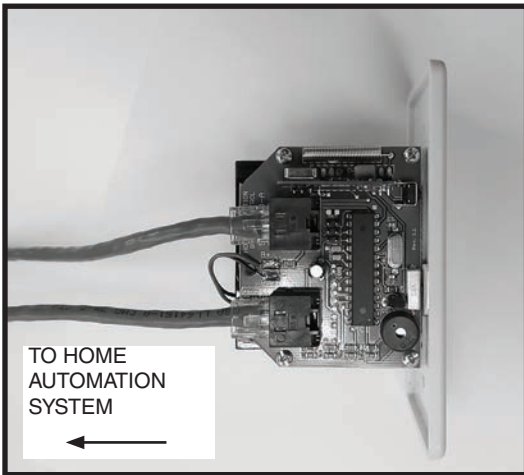


Figure 35: Complete communication wiring.

NOTE:

When a signal has been supplied by the home automation system, the fireplace control will repeat the signal every 2 hours or until a new command has been received.

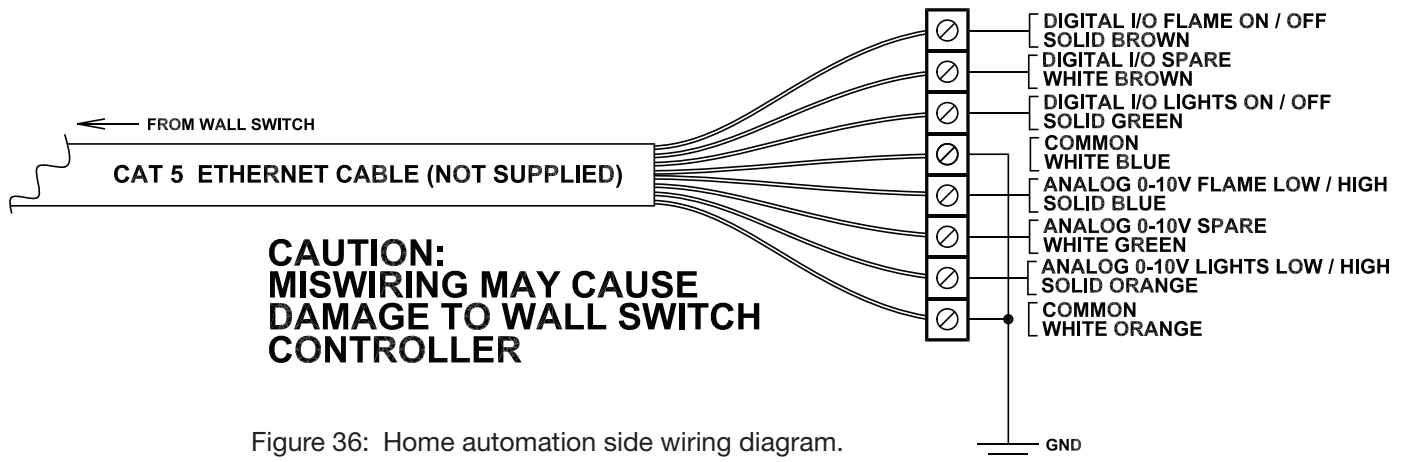


Figure 36: Home automation side wiring diagram.

NOTE:

- Digital I/O must be connected to a dry contact relay.
- Analog flame and light input through 0 - 10 volt DC signal scaled as follows:

Low = 1 volt

High = 10 volts

Gas Supply

Caution: The gas line should be installed by a qualified service person in accordance with all building codes. This section is intended as a guide for qualified technicians installing this appliance. Consult local and / or national building codes before proceeding.

- Gas supply line access holes are located at the top and left sides of the Control Box. Gas valve inlet accepts a 3/8" N.P.T. fitting. Correct gas line diameter must be used to assure proper operation and pressure.
- **NOTE: A sediment trap, as per national fuel gas code, must be installed in the gas supply line no more than 6 feet from the gas control valve to minimize the possibility of any loose scale or dirt within the gas supply line from entering the control valve.**
- **DO NOT HARD PIPE GAS LINE TO VALVE.** A method of disconnecting the valve from the gas line such as a union or flare fitting must be provided to allow for repair or replacement of the gas valve.

Check local codes for additional requirements.

1. Connect the gas supply to the valve (Figure 30).
2. Turn on the gas supply and check that all connections are tight and leak free.

Warning:

The access panel - including gasket, must be reinstalled after conversion / installation or servicing has been completed. Failure to do so will cause overheating and premature failure of the control system.

Gas Pressure Check

Note: To test the gas pressure, turn off the gas supply before removing the plug from the supply pressure test port or manifold pressure test port.

Verify gas pressures with the fireplace lit and on the highest setting.

Please refer to the Burner Installation Manual for gas pressure testing procedure.

Correct gas pressure requirement:

	Natural Gas	Propane
Min. Pressure (For purpose of input adjustment)	5.0" WC	12.5" WC
Max. Pressure	13.9" WC	13.9" WC
Manifold Pressure		
Maximum	3.5" WC	10" WC
Minimum	1.6" WC	6.4" WC

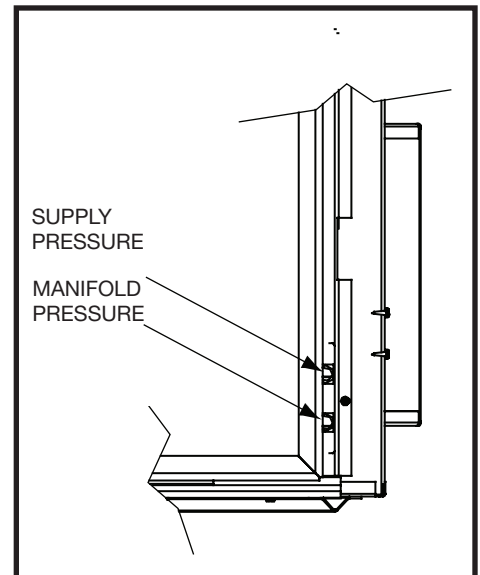


Figure 37: Test ports.

Venting

Before installing venting for this unit, the installer should read these instructions to insure that the proper vent configuration has been selected.

Use only Town and Country Termination kits #:

TCVT.WTA - Wall Termination Kit

TCVT.RTA - Roof Termination Kit

Vent system components approved for use with the Town and Country Fireplace are shown on page 22.

NOTE: Optional Power Vents (TCVT.PVI.25, TCVT.PV7.110 & TCVT.PVCV require different venting. Please refer to Power Vent manuals.

Various combinations of vertical and horizontal runs may be used - See Figure 41 & Figure 42. For optimum performance and flame appearance, keep the vent length to a minimum and limit the number of elbows. Connections between each vent system component must be tightly joined, secured with sheet metal screws and sealed with provided high temperature self adhesive tape. A horizontal run of vent should have a $\frac{1}{4}$ " rise for every 1 ft. of run towards the termination.

CAUTION: UNDER NO CONDITION SHOULD COMBUSTIBLE MATERIAL BE CLOSER THAN 1 $\frac{3}{4}$ INCHES FROM THE TOP AND 1 $\frac{3}{4}$ INCHES FROM THE SIDES OF A HORIZONTAL SECTION AND 1 $\frac{3}{4}$ INCHES FROM THE VERTICAL SECTIONS OF THE VENT PIPE.

Wall Termination Venting

Exterior wall opening:

Determine the exact position of the fireplace so that the vent pipe is centered (if possible) between two building framing members. Consult your local building codes prior to proceeding. The vent kit will accommodate up to a maximum wall thickness of 12 inches.

1. Having determined the position of the fireplace, cut and frame a 14 $\frac{1}{2}$ inch opening centered at a minimum height of 68 $\frac{1}{2}$ inches above the floor (Figure 40). The opening may be round or square. Height of the opening will vary with each installation. As the horizontal vent run increases, so does the minimum vertical rise, see chart (Figure 41).

IMPORTANT: When locating the opening, it should be noted that vent terminal clearances must be maintained. See "Vent Terminal Clearance" on page 28 section for proper clearances.

A minimum 2 foot length of pipe is required off the top of the fireplace for any wall termination. With this minimum vertical rise in combination with a 90° elbow, a maximum horizontal run of 18 inches is permitted, See Figure 41 & Figure 42. For longer horizontal runs greater than 18 inches, increase vertical rise appropriately.

The rise and run must be constrained to the boundaries of the chart shown in Figure 41. The horizontal run of vent must have a $\frac{1}{4}$ " rise for every 1 ft. of run towards the termination.

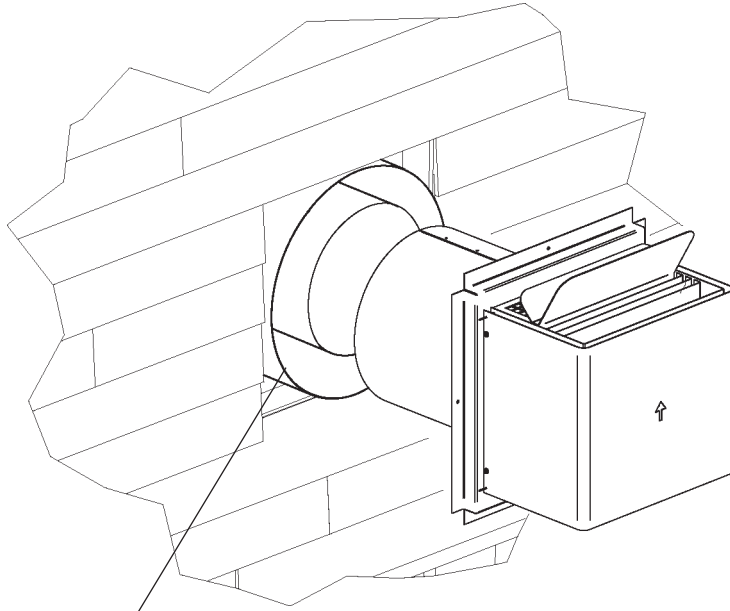


Figure 38: Wall Vent Terminal.

WALL THIMBLE AND VENT MUST NOT PROTRUDE BEYOND SIDING

Wall thimble:

Where a vent pipe passes through a combustible wall, a wall thimble/shield must be used to retain insulation and maintain proper clearances. The wall thimble may be cut to length for various wall thicknesses up to 12" thick.

Measure the wall thickness including the siding. Trim the shield to match the wall thickness. Position the wall thimble from inside through the 14½" opening. Properly adjusted, the thimble should be flush with the outer wall surface.

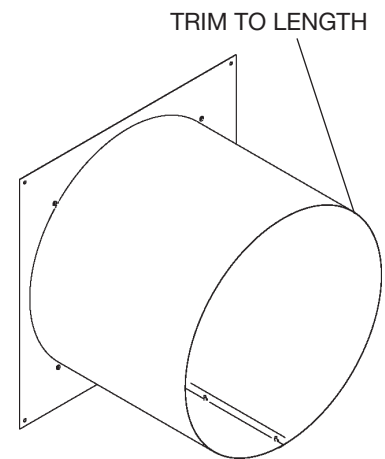


Figure 39: Thimble.

Town & Country approved vent system components

12" Pipe Length	TCVT.811X12
18" Pipe Length	TCVT.811X18
24" Pipe Length	TCVT.811X24
48" Pipe Length	TCVT.811X48
12" Adjustable Pipe Length.....	TCVT.811X12ADJ
45° Elbow	TCVT.811XLB45
90° Elbow	TCVT.811XLB90
Wall/Offset Support	TCVT.811XOS
Wall Termination Kit	TCVT.WTA
Roof Termination Kit	TCVT.RTA
Wall Shield/Ceiling Firestop	TCVT.THIMA
Roof Flashing, Adjustable	TCVT.811FLADJ
Roof Flashing, Flat	TCVT.811FLFLT
Roof Flashing, Steep	TCVT.811FLSTP
	or any flashing that fits 11" pipe

Vent pipe:

Install vent pipe through the wall thimble and attach to flue outlet collar on top of the fireplace. Secure all joints with screws and seal with approved "High Temp." self-adhesive aluminum tape provided.

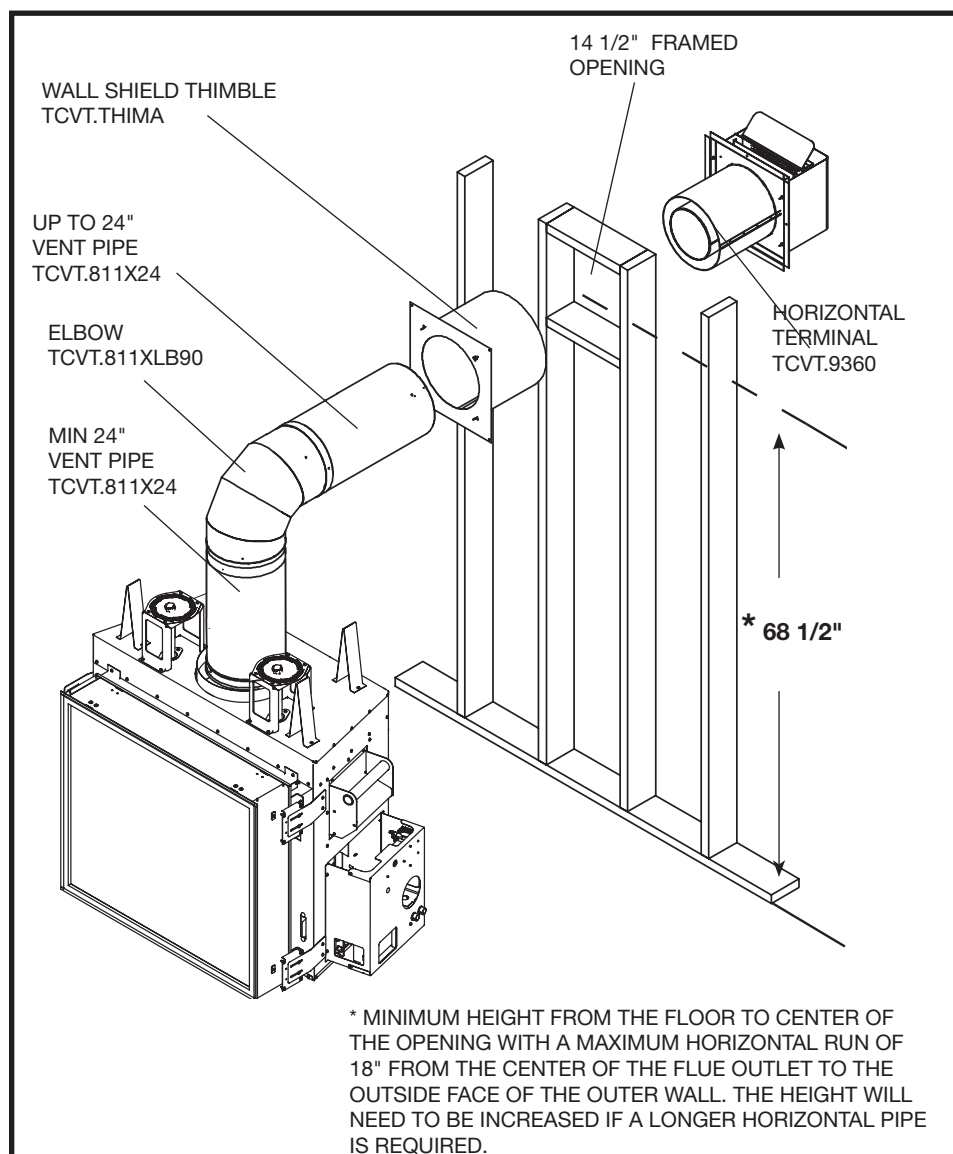
Adjust the fireplace position so that the vent pipe does not protrude beyond the outer wall. The vent connector on the termination will accommodate walls up to 12" thick.

Wall vent terminal:

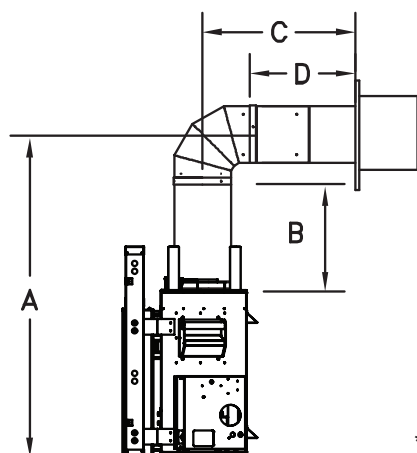
1. Engage the terminal with the vent pipe and slide terminal into place. Ensure that both inner and outer pipes are fully engaged and then attach the terminal to the outside wall. The vent terminal must not be recessed into the exterior wall or siding.
2. Caulk in place to prevent any moisture entering the building.

NOTE: MINIMUM CLEARANCES TO THE VENT TERMINAL MUST BE MAINTAINED. See page 28.

Figure 40:
TC36D Wall vent
terminal framing.



Wall Termination Venting Chart



**

A Minimum rise	B Pipe length	C Maximum run	D Pipe length Max.
68 1/2"	1-24"	20 1/2"	1-12"
72 3/4"	1-12" 1-18"	75 3/4"	1-48" 1-12"
78 3/4"	1-24" 1-12"	11' 2"	2-48" 1-24"
84 3/4"	1-24" 1-18"	15' 10 1/2"	3-48" 1-24" 1-12"
92 1/2"	1-48"	20' 10 1/2"	5-48"

For other rise/run combinations see chart below

** All dimensions are approximate. Both rise and run may vary with different combinations of pipe.

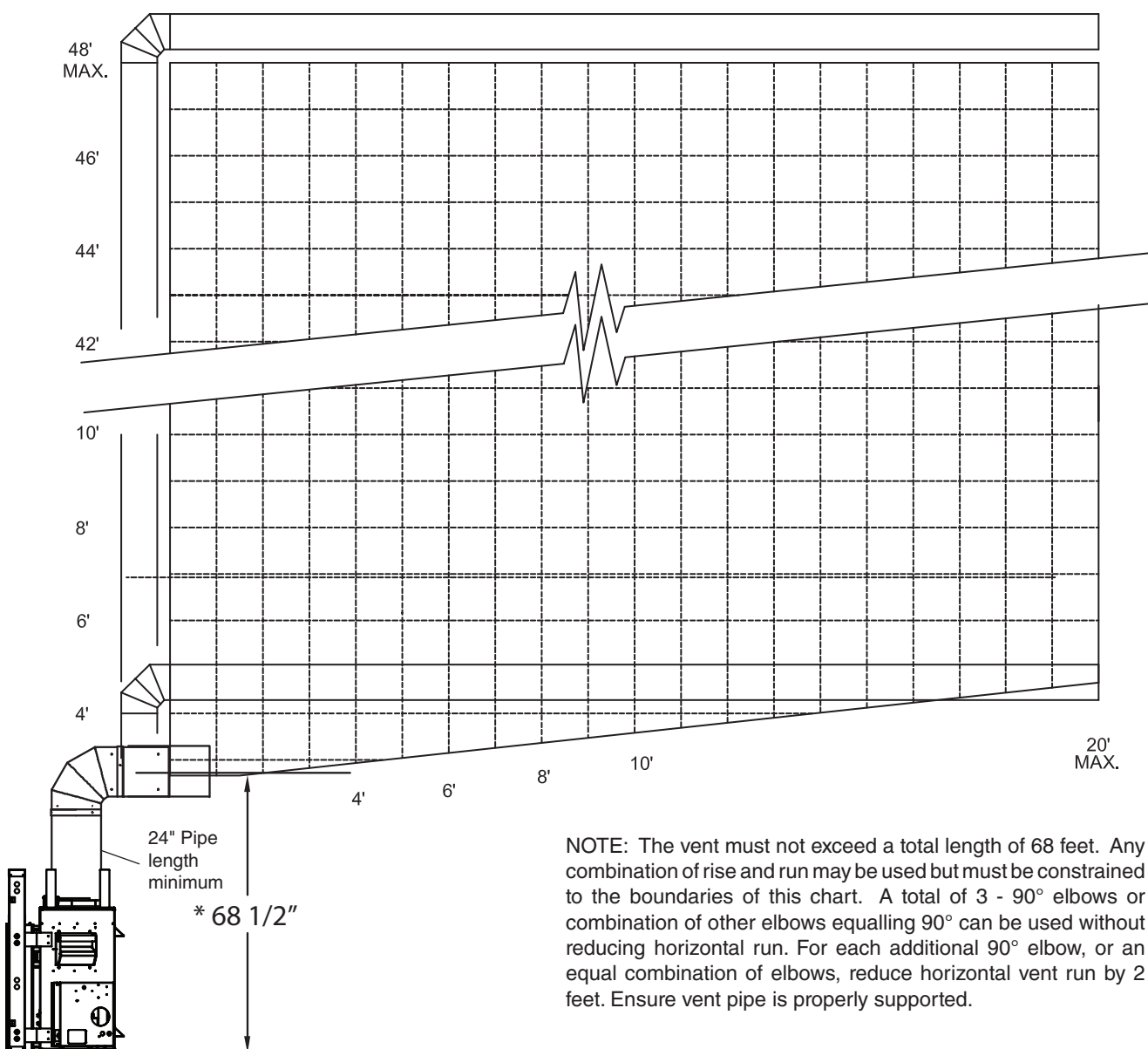
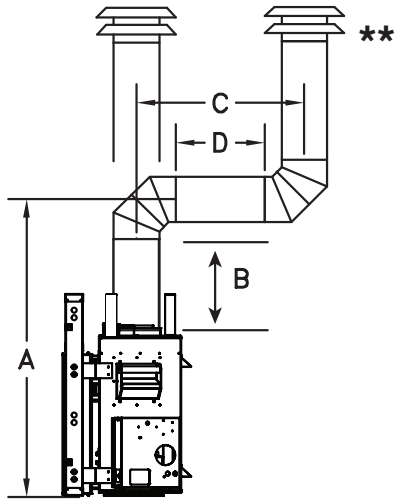


Figure 41: TC36D Horizontal Run Rise Model.

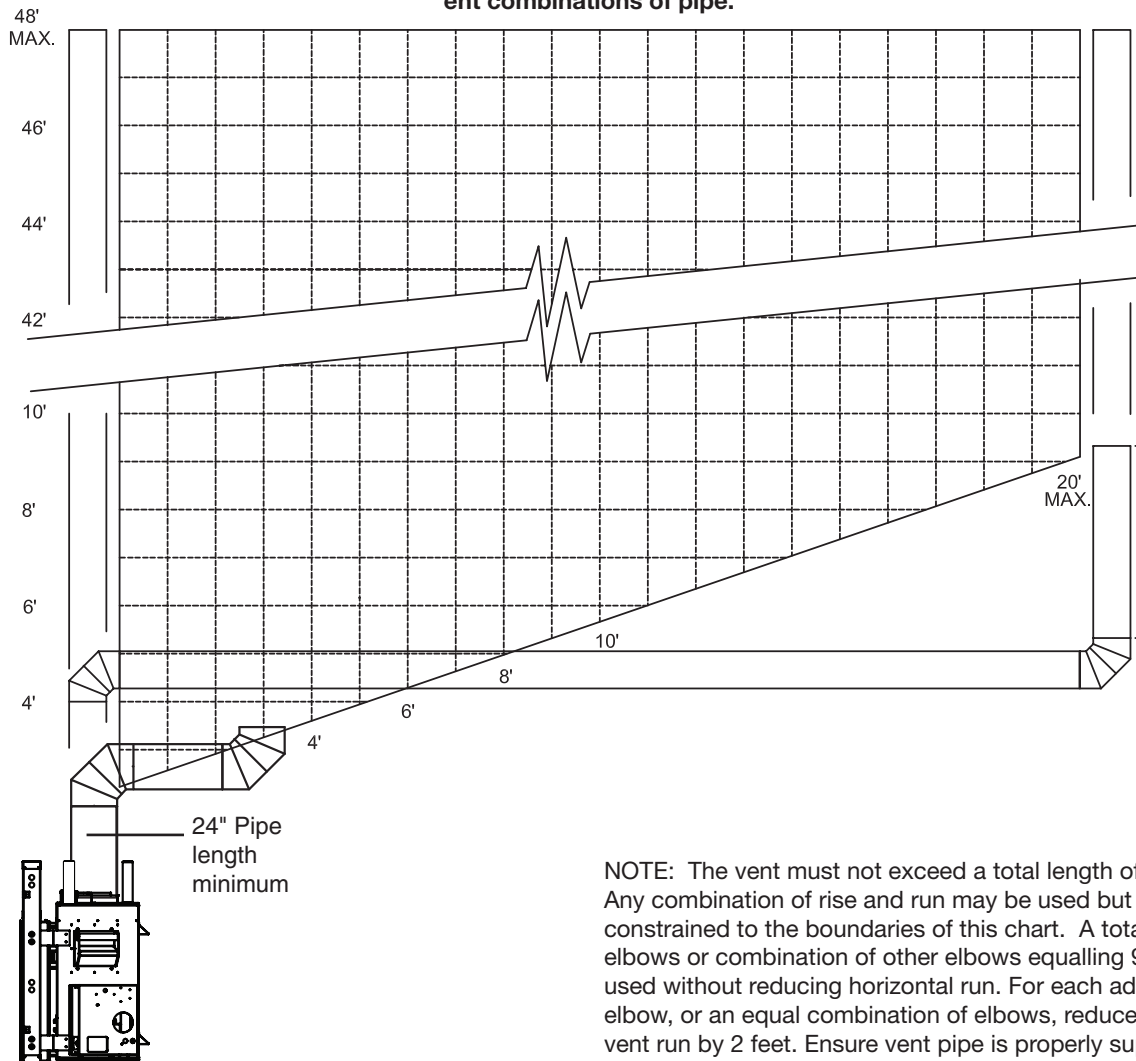
Roof Termination Venting Chart



A Minimum rise	B Pipe length	C Maximum run	D Pipe length Maximum
68 1/2"	1-24"	29"	1-12"
72 3/4"	1-12" 1-18"	75 1/4"	1-48" 1-12"
78 3/4"	1-24" 1-12"	11' 1 1/2"	2-48" 1-24"
84 3/4"	1-24" 1-18"	15' 10"	3-48" 1-24" 1-12"
92 1/2"	1-48"	20' 10"	5-48"

For other rise/run combinations see chart below

**** All dimensions are approximate. Both rise and run may vary with different combinations of pipe.**



NOTE: The vent must not exceed a total length of 68 feet. Any combination of rise and run may be used but must be constrained to the boundaries of this chart. A total of 4 - 90° elbows or combination of other elbows equalling 90° can be used without reducing horizontal run. For each additional 90° elbow, or an equal combination of elbows, reduce horizontal vent run by 2 feet. Ensure vent pipe is properly supported.

Figure 42: TC36D Vertical Run Rise Model.

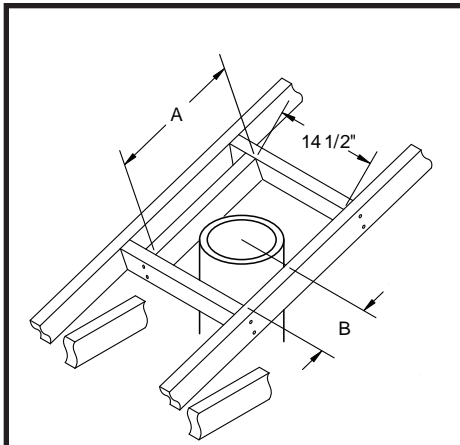


Figure 43: TC36 Roof opening.

Size of the opening will have to increase with the pitch of the roof to ensure a 1 3/4" inch air space clearance between vent pipe and combustibles.

Roof Pitch	A	B
0/12	14 1/2"	7 1/4"
4/12	16 1/2"	8 3/4"
6/12	18"	10"
8/12	19 3/4"	11"
12/12	24"	13 3/4"

Ceiling Opening:

1. Determine the exact position of the fireplace so that the vent pipe is centered (if possible) between two building framing members. Lay out the vent system path, minimizing the number of elbows and length of vent. Consult your local building codes prior to proceeding.
2. Cut and frame a 14 1/2" opening in the floor, ceiling or roof where the vent system will pass. Size of the opening in the roof may need to be increased as the pitch of the roof increases. Avoid cutting rafters.

Ceiling Firestop:

Where a vent pipe passes through a floor or ceiling, a ceiling firestop (Figure 52) must be used to retain insulation and maintain proper clearances.

From below, push the ceiling firestop through the opening and secure in place. If the firestop is used to penetrate a floor, the outer shield may be trimmed in length. If the firestop penetrates into an attic, leave the shield full length to keep insulation away from the vent pipe. Additionally, after the vent pipe is in place, install a storm collar on top of the shield. This will prevent loose insulation from falling into the area between the vent pipe and the shield.

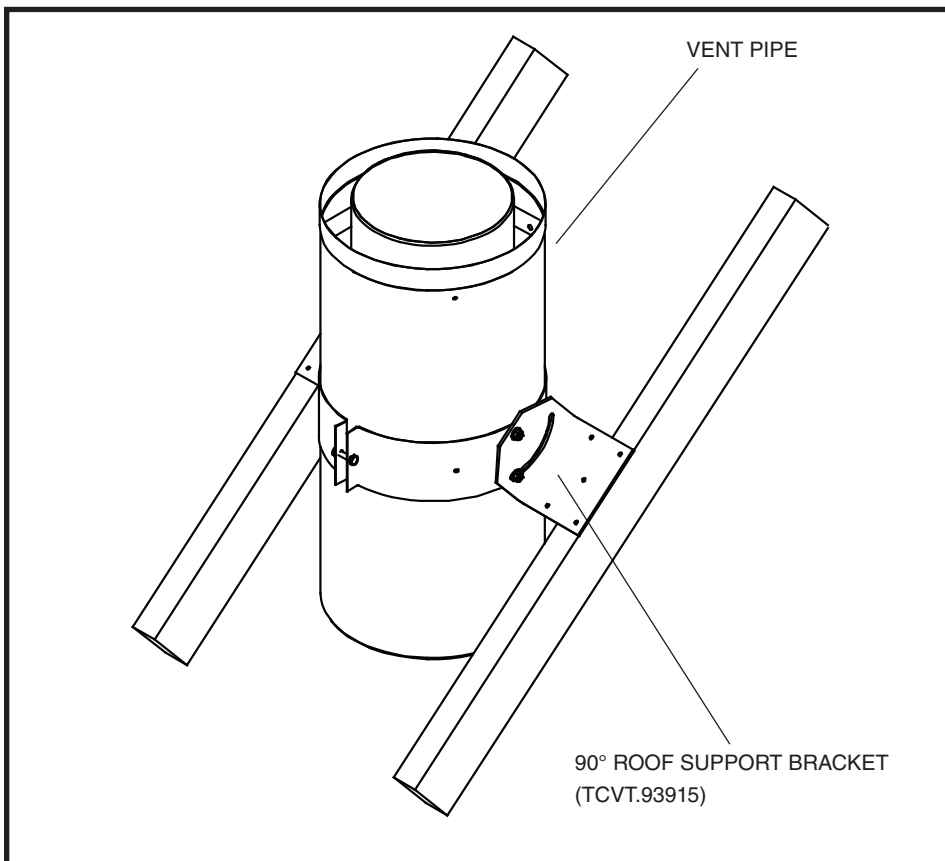


Figure 44: TC36 Roof support bracket.

Vent Pipe:

1. Install the first section of vent pipe into the collar on top of the fireplace. Secure in place with screws and seal with approved "High Temperature" self-adhesive aluminium tape provided.
2. Continue adding vent pipe lengths up and through the firestop(s) and through the roof. The vent pipe must extend at least 12" above the roof. Vent pipe may need to extend further depending on the roof pitch. See "Roof Pitch Table" on page 28 for precise lengths. Seal the vent pipe as per "Vent Pipe Sealant" on page 29.

Roof Support Bracket:

Slip the roof support bracket down over the vent pipe. Rotate the 90° brackets to accommodate roof pitch. Attach the brackets to the roof joists with nails or building screws. Tighten the band around the vent pipe and secure in place with screws.

Roof Vent Terminal:

1. Place the roof flashing over the vent pipe, secure and seal it to the roof using the methods and materials appropriate for the type of roof on the building. Shingle roof example shown (Figure 45).
2. Place the storm collar down over the vent pipe until it is level. Tighten storm collar for a snug fit. Apply a thick horizontal ring of mastic around the pipe at top of the storm collar (Figure 45).
3. Lower the roof vent terminal cap over the vent pipe and secure in place with screws provided (Figure 45). Seal screw heads and joints with caulking to prevent any moisture entering the venting system.

Note:

Adjustable for various roof pitches, from flat roof to 12/12 pitch roof.

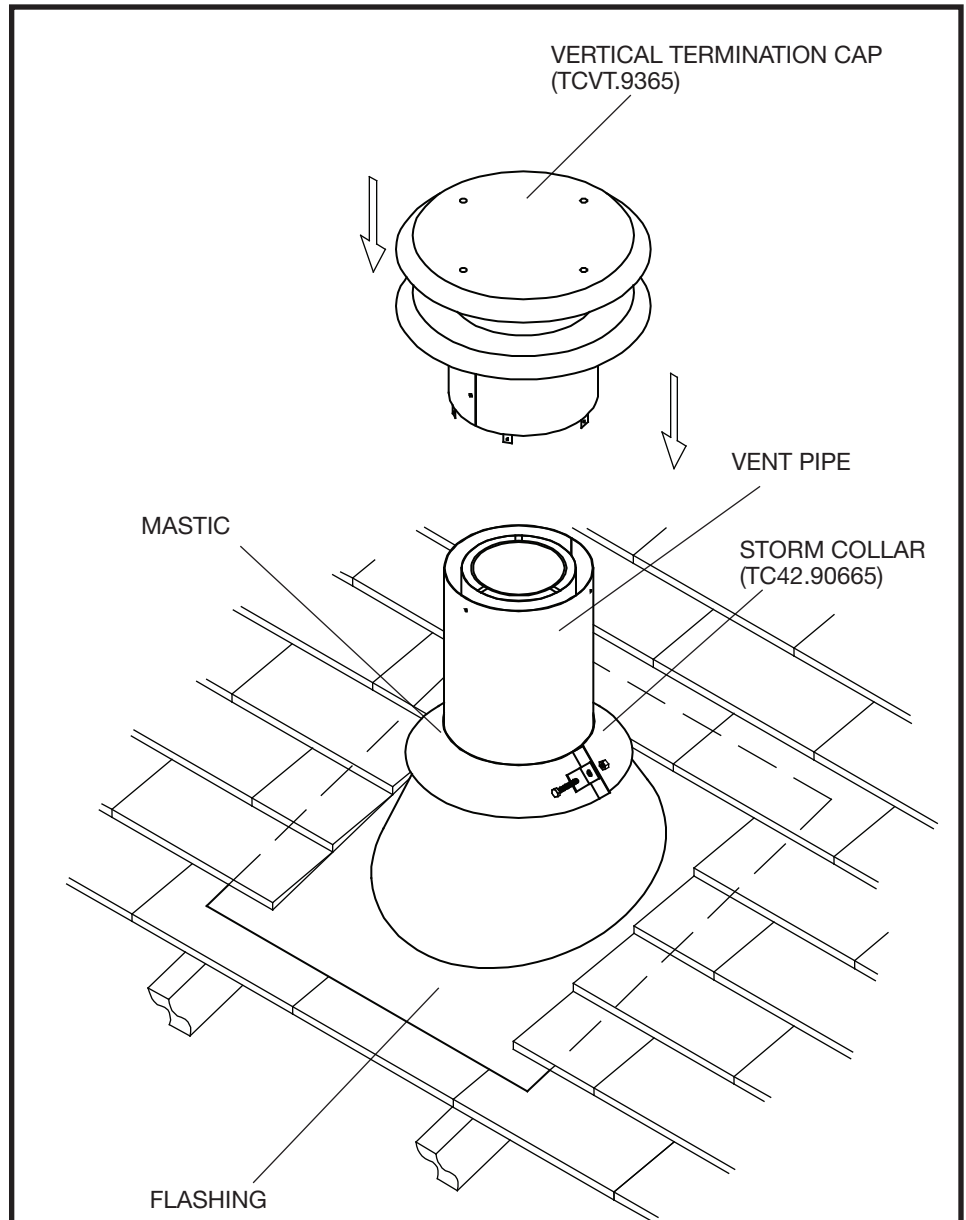


Figure 45: TC36 Roof vent terminal.

Vent Terminal Clearance

Minimum clearances to the vent terminal must be maintained as shown in Figure 46. Measure clearances to the nearest edge of termination hood.

NOTE: Vent terminal must not be recessed

NOTE: LOCAL CODES OR REGULATIONS MAY REQUIRE DIFFERENT CLEARANCES.

Roof Pitch Table		(minimum)	
		ft	m
Flat to 6/12		1.00	0.30
Over 6/12 to 7/12		1.25	0.38
Over 7/12 to 8/12		1.50	0.46
Over 8/12 to 9/12		2.00	0.61
Over 9/12 to 10/12		2.50	0.76
Over 10/12 to 11/12		3.25	0.99
Over 11/12 to 12/12		4.00	1.22

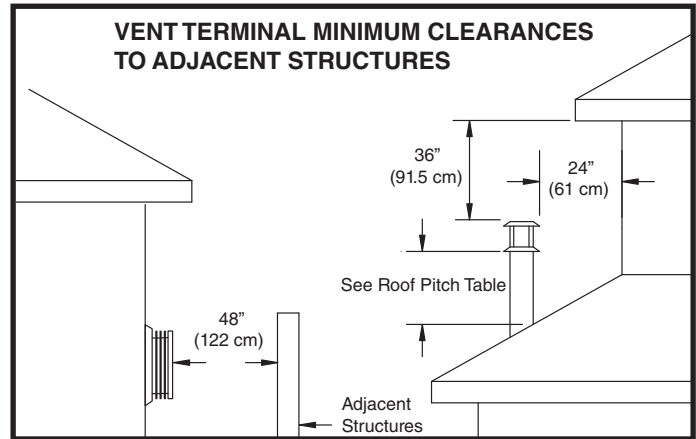
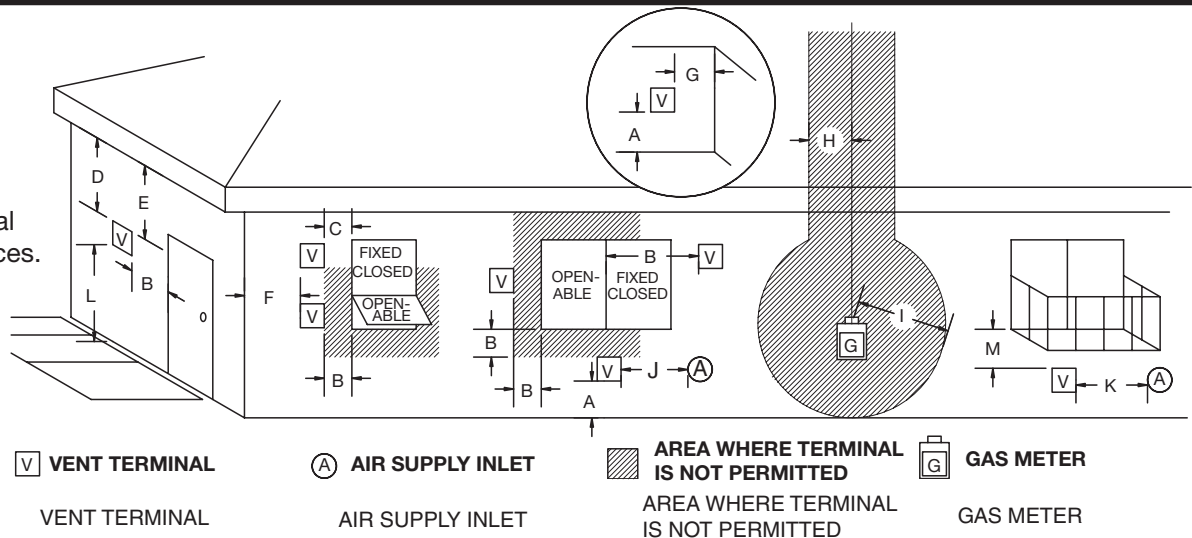


Figure 46: TC36 Vent roof clearance.

Vent Terminal Minimum Clearances

Figure 47:
TC36 Vent terminal
minimum clearances.



	VENT TERMINAL	AIR SUPPLY INLET	AREA WHERE TERMINAL IS NOT PERMITTED	GAS METER
A=	*12 inches (30 cm) min.	Clearances above grade, veranda, porch, deck, or balcony		
B=	*12 inches (30 cm) min.	Clearance to window or door that may be opened		
C=	12 inches (30 cm) min.	Clearance to permanently closed window recommended to prevent condensation on window		
D=	30 inches (76 cm) min. from the	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) edge of the terminal		
E=	30 inches (76 cm) min.	Clearance to unventilated soffit		
F=	6 inches (15 cm) min.	Clearance to outside corner		
G=	6 inches (15 cm) min.	Clearance to inside corner		
H=	3 feet (90 cm) min. the	*Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally from the center-line of regulator		
I=	*6 feet (1.8 m) min.	Clearance to service regulator vent outlet		
J=	*12 inches (30 cm) min.	Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance		
K=	*6 feet (1.8 m) min.	Clearance to a mechanical air supply inlet		
L=	*7 feet (2.1 m) min.	^ Clearance above paved side-walk or a paved driveway located on public property		
M=	**30 inches (76 cm) min	Clearance under veranda, porch, deck, or balcony		

^ a vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings*

** only permitted if veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor*

* as specified in CGA B149 Installation Codes, Note: local Codes or Regulation may require different clearances

* for U.S.A. Installations follow the current National Fuel Gas Code, ANSI Z223.1

Vent Pipe Sealant

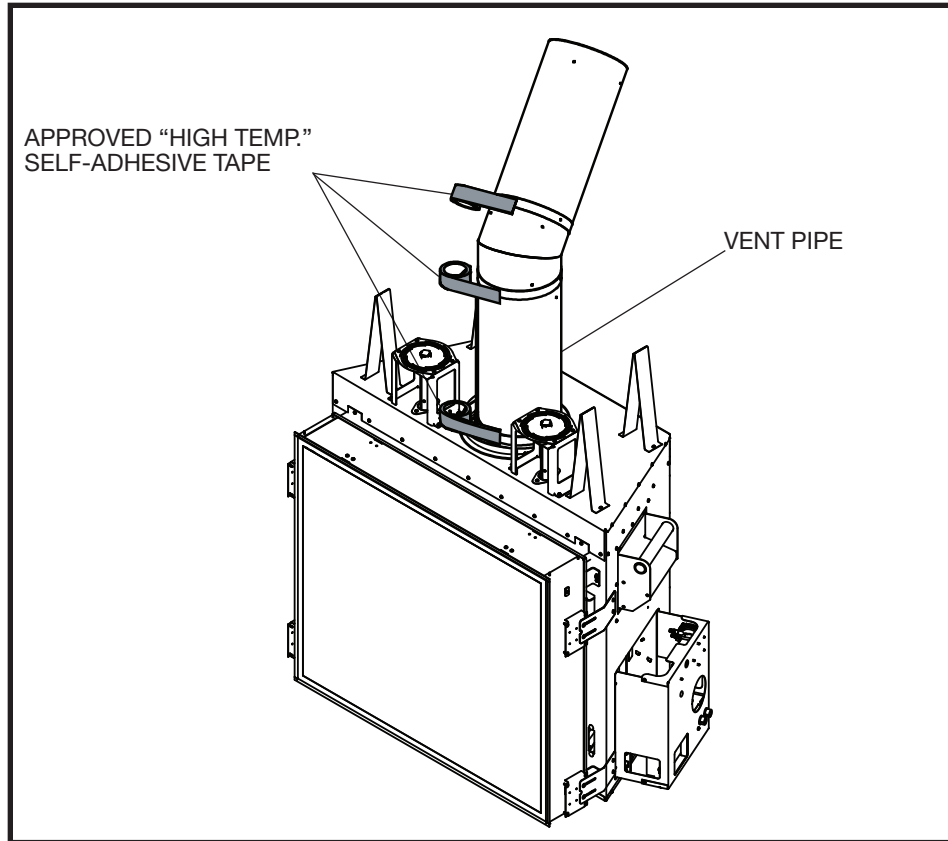


Figure 48: TC36D Sealing vent joints.

All outer joints of the vent pipe must be sealed with the approved "High Temperature" self-adhesive aluminium tape provided. Wrap the tape completely around the joint and press firmly in place.

Insulated Collar Shield (Included)

After sealing the vent pipe an insulation and cover (Pt# TC36.9709 included) must be installed around the vent pipe, flush with the top of the unit and secured by fitting tabs through slots and bending over tabs 180° (Figure 49). The parts required are included.

*NOTE: bending tabs to 90° away from arc bend prior to installation eases the process.

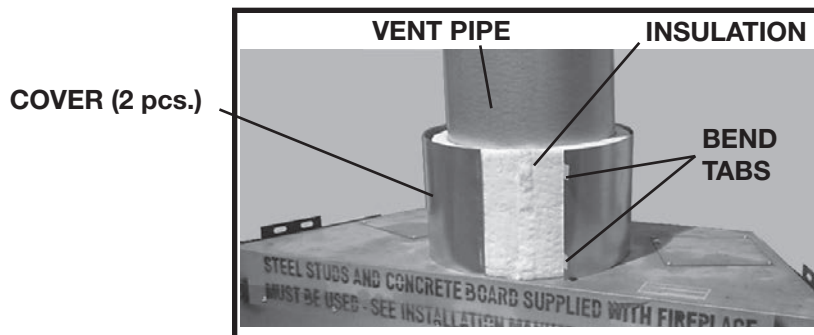


Figure 49: TC36D Collar shield.

Vent Restrictor Adjustment

The vent restrictor is located on the underside of the firebox top. The unit leaves the factory with the vent restrictor open. The restrictor is built into the appliance for secondary air flow adjustment. Adjustment enables tuning the airflow for optimum flame appearance and performance for a wide variety of vent configurations.

Setting:

- Determine the vent height.
- Determine the vent horizontal length.
- From the chart determine the restrictor position.

Refer to the chart (Figure 50), for the correct position of restrictor for the vent configuration of your installation. Restrictor positions are based upon lab tests. The ideal position may vary slightly with installation.

Restrictor position is closed too much if the flame has the following characteristics:

- Flame is excessively tall and lifting.
- Flame lacks movement.
- Flame soots.

Restrictor position is too open if the flame has the following characteristics:

- Flame height is low.
- Flame has excessive movement.

To adjust the restrictor:

- Loosen the screws holding the restrictor plates.
- Move the restrictor plates to its intended opening.
- Retighten the screws.

CAUTION: The vent restrictor must be fully open when using the power vent

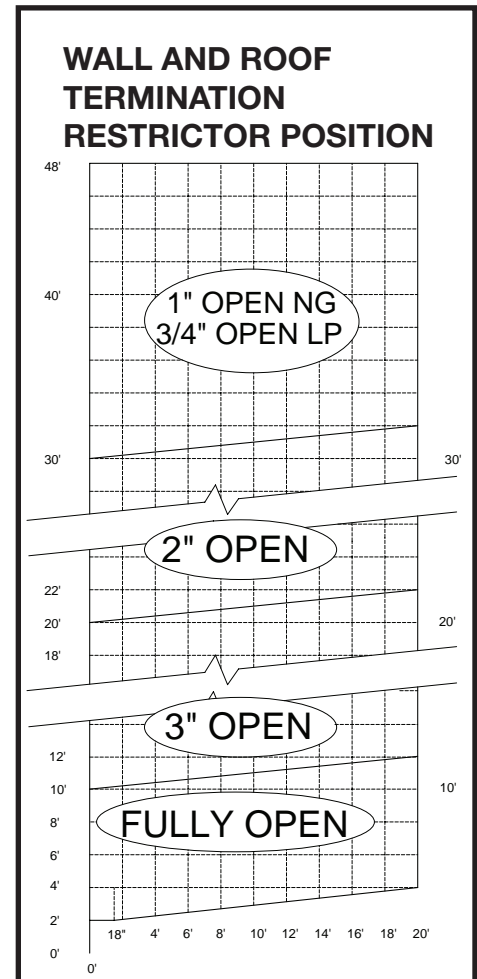


Figure 50: Restrictor rise and run chart.

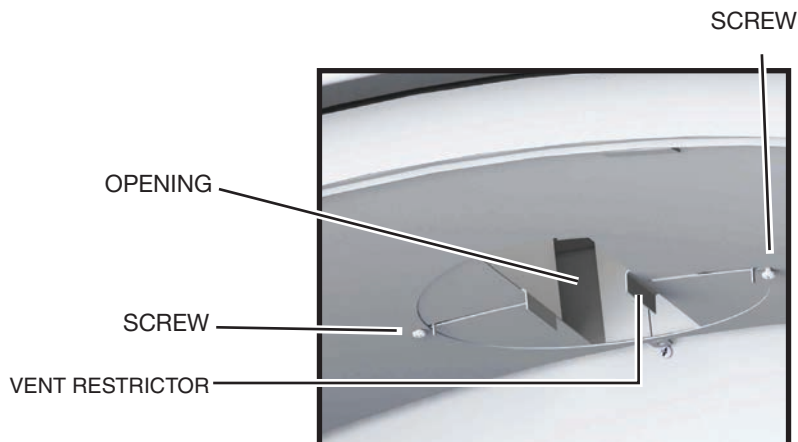


Figure 51: Vent restrictor.

— Wall Shield/ ————— Wall Termination Kit —————



Figure 52: Ceiling fire-stop thimble.

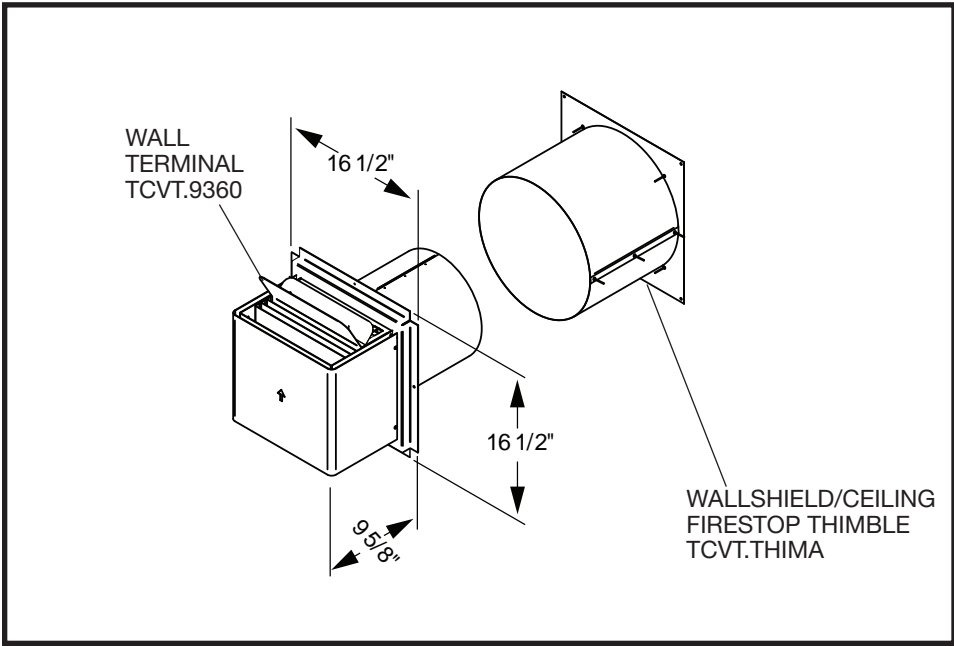


Figure 53: Wall termination kit.

Roof Termination Kit

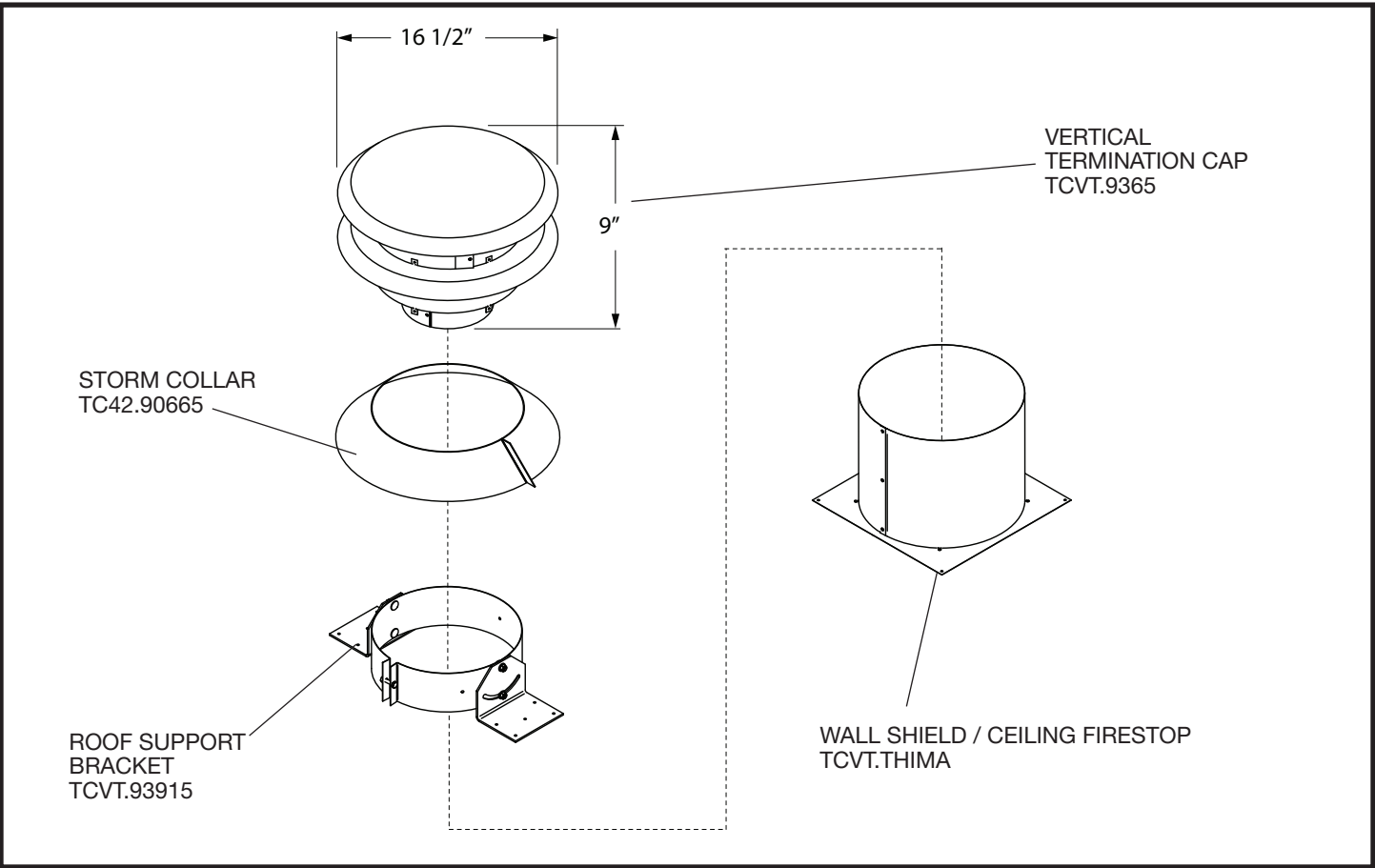


Figure 54: Roof termination kit.

Vent Pipe Dimensions

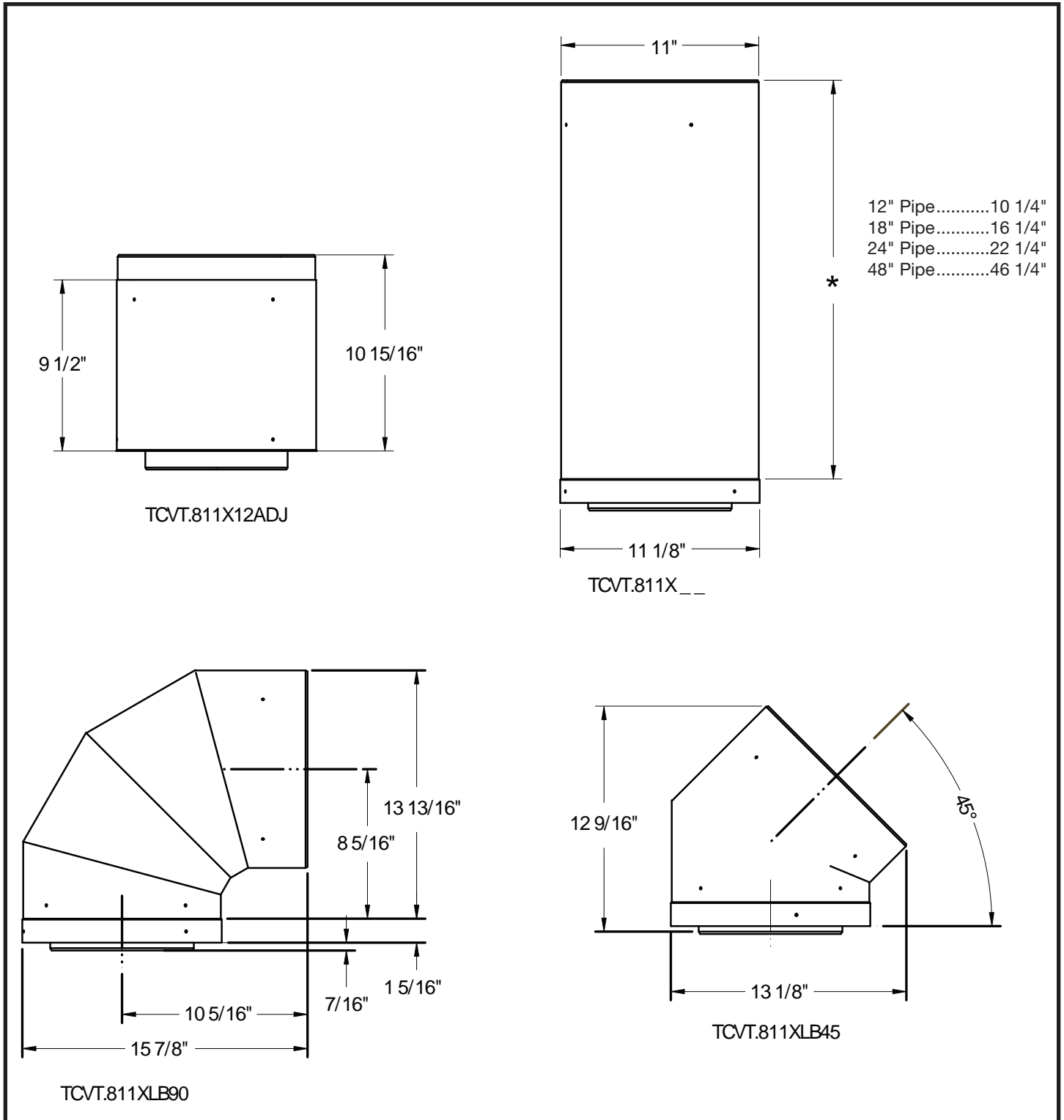
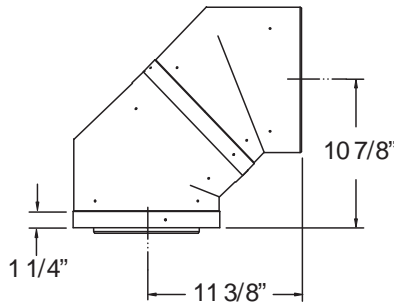
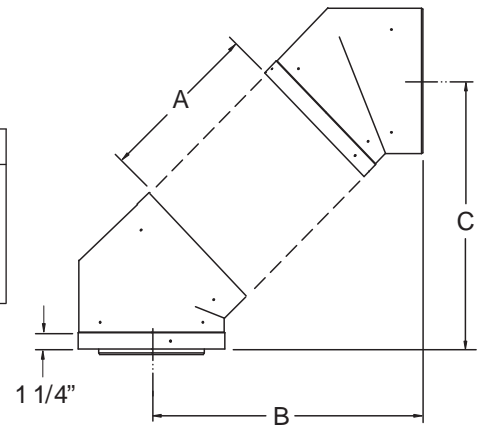


Figure 55: Vent pipe dimensions.

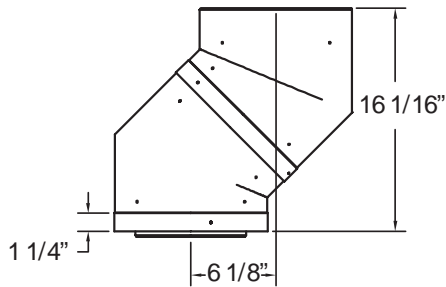
Vent Offset Chart



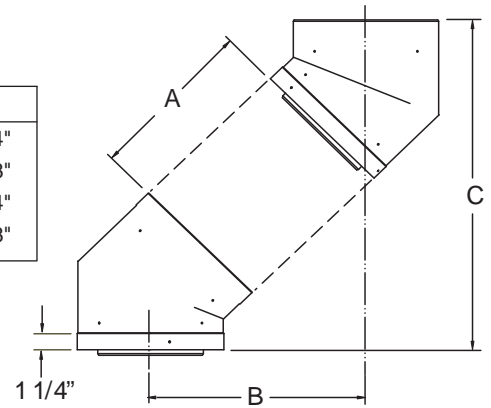
A	B	C
12" PIPE	18 5/8"	18"
18" PIPE	22 7/8"	22 3/8"
24" PIPE	27 1/8"	26 1/2"
48" PIPE	44 1/16"	43 1/2"



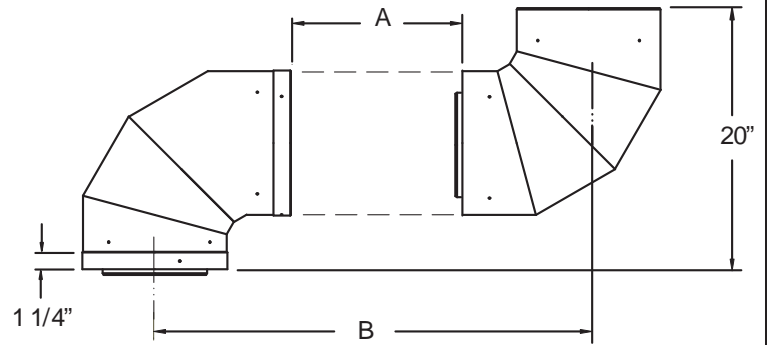
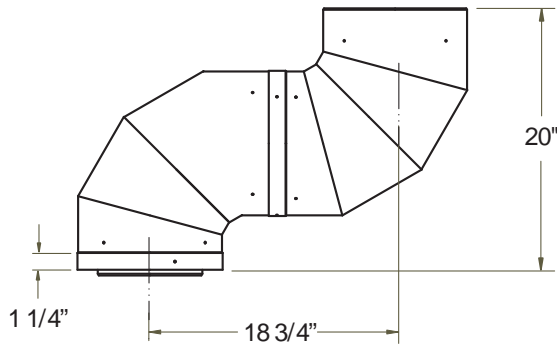
ADDING AN ADJUSTABLE SECTION TO PIPE WILL INCREASE OFFSET BY 2 1/8" TO 6 3/4"



A	B	C
12" PIPE	13 7/16"	23 1/4"
18" PIPE	17 9/16"	27 5/8"
24" PIPE	21 7/8"	31 3/4"
48" PIPE	38 3/4"	44 7/8"



ADDING AN ADJUSTABLE SECTION TO PIPE WILL INCREASE OFFSET BY 2 1/8" TO 6 3/4"



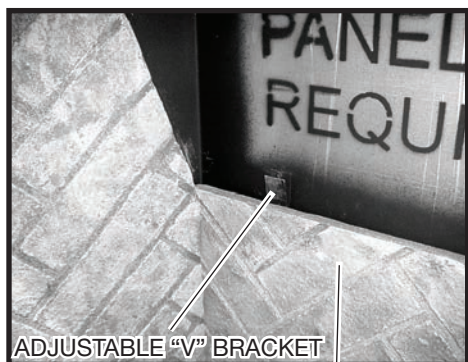
A	B
12" PIPE	29"
18" PIPE	35"
24" PIPE	41"
48" PIPE	65"

ADDING AN ADJUSTABLE SECTION TO PIPE WILL INCREASE OFFSET BY 3" TO 9 1/2"

Figure 56: Vent offsets.

Firebox Panels Installation

TC36 & TC36 ARCH PANELS



REAR LOWER PANEL

Figure 57: TC36D Panel V-brackets.

The lower rear panel is held tight against the side panels by two "V" brackets located on the firebox rear wall (Figure 57). Although the brackets are adjusted at the factory for the best fit, some adjustment may be necessary. Adjust the angle of the bracket by hand to ensure a snug fit.

Note - the TC36 Arch has a one piece rear panel and therefore has no "V" brackets.

TC36 & TC36 ARCH PANEL SETS

PARK AVE. HERRINGBONE 2.....	TCPN.36PAC(TC36) TCPN.36ARPAC(TC36 ARCH)
MOUNT VERNON RED BRICK 2.....	TCPN.36VRC(TC36) TCPN.36ARVRC(TC36 ARCH)
MANHATTAN STACKED BRICK 2	TCPN.36MNC(TC36) TCPN.36ARMNC(TC36 ARCH)
BLACK PORCELAIN	TCPN.757031.C(TC36) TCPN.75702.C(TC36 ARCH)
COFFEE BEAN BROWN PORCELAIN	TCPN.757031CB.C(TC36) TCPN.75702CB.C(TC36 ARCH)
TITANIUM	TCPN.757031.TI (TC36) TCPN.75702.TI (TC36 ARCH)
COPPER.....	TCPN.757031.CU (TC36) TCPN.75702.CU (TC36 ARCH)

(See Porcelain panel instruction manual for specific instructions for these panels).
Before proceeding see burner instructions.

A Firebox Panel Set must be installed for safe operation. Do not use the fireplace without panels. Unpack and inspect all panels. The panels need to be installed before the logs are in place.

Caution: The Firebox Panels are very fragile, and should be handled with care.

1. Remove the Side Panel Retainer located on the underside of the firebox heat shield. The retainer slips between the lip of the firebox and the heat shield and is retained in place by two screws (Figure 58 and Figure 59).
2. Install the Lower Rear Panel (the TC36 Arch has a one piece rear panel).

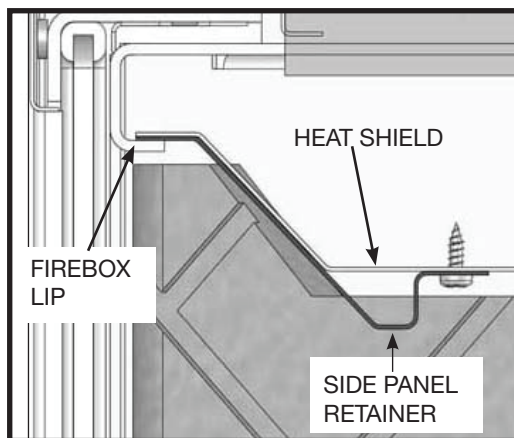


Figure 58: TC36D Side panel retainer.

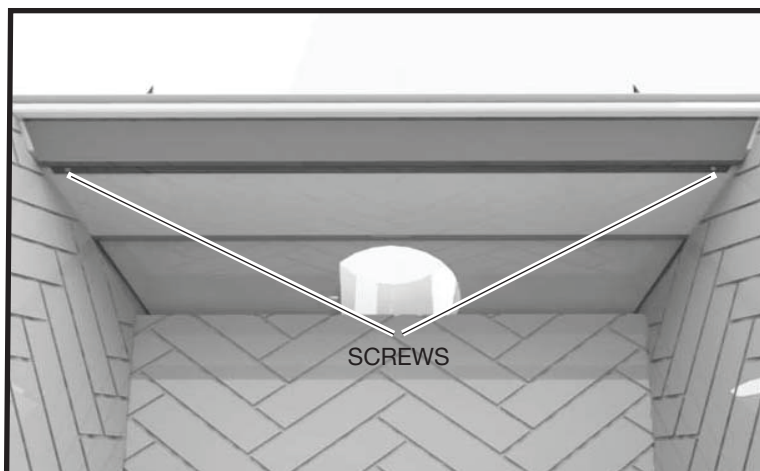
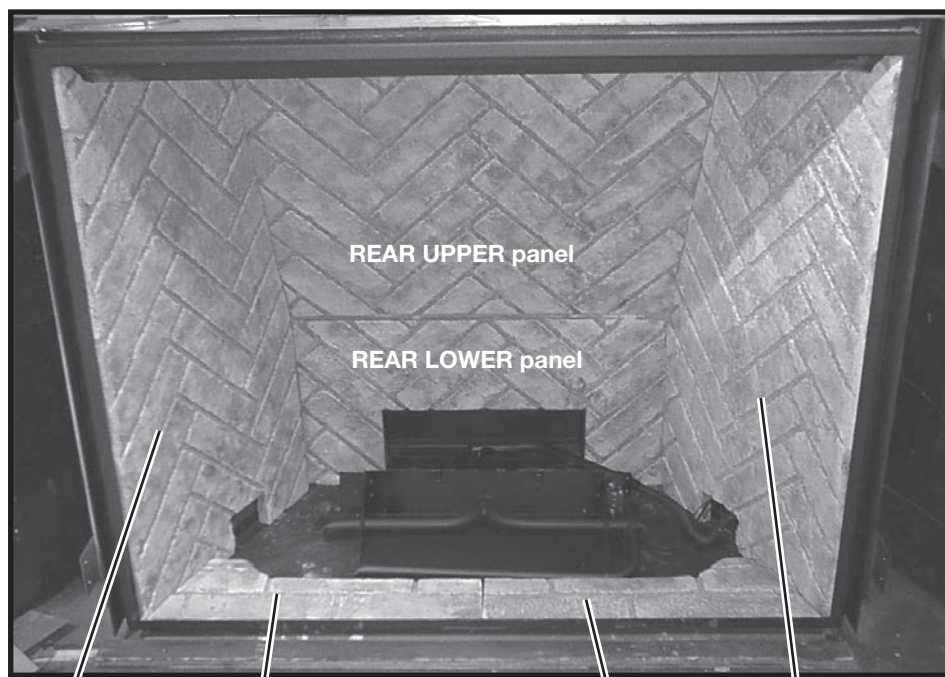


Figure 59: TC36D Side panel retainer screw location.

3. Apply gas connection before installing panels.
4. Install the Right Side Panel by inserting the bottom of the panel in first and then angling it up into position. It may be necessary to push the firebox shield up to allow panel to move freely into place.
5. Install the Rear Upper Panel. Note - the TC36 Arch has a one piece rear panel.
6. Install the Left Side Panel by inserting the bottom of the panel in first and then angling it up into position.
7. Reinstall the Side Panel Retainers.
8. Install the Left and Right Front Panels.

(HERRINGBONE PANEL SET SHOWN)



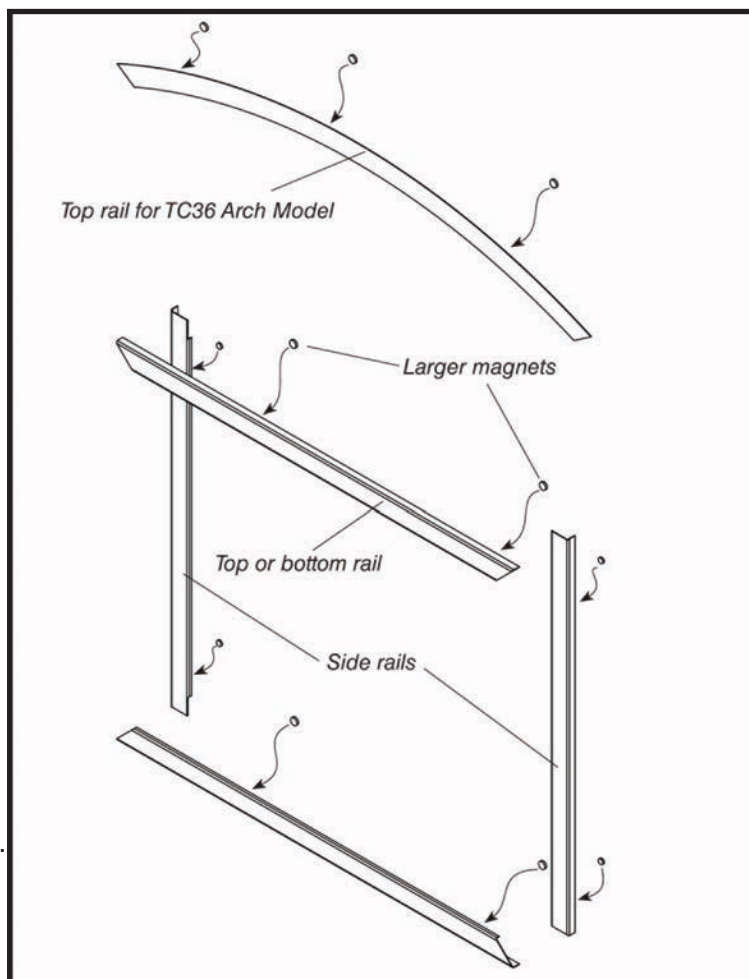
LEFT SIDE PANEL FRONT LEFT PANEL FRONT RIGHT PANEL RIGHT SIDE PANEL

Figure 60: TC36D Panel placement.

Finishing Touch Trim Kit Instructions

1. Place two smaller magnets on back of each side rail.
2. Place two larger magnets on back of the top and bottom rails.
3. Attach the side rails. Even the ends up with the door frame.
4. Attach the top and bottom rails and adjust so mitres are even at the corners.

Figure 61:
TC 36D & TC36D Arch trim.



Lighting Instructions

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS:**
- Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.

- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance & to replace any part of the control system & any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this label.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Push the "On/ Off" switch to turn the fireplace ON.
 - If the burner does light go to step 6.
 - If the burner does not light, complete steps 4 through 5.
 - If the burner will not light or stay lit after several tries, push the "On/ Off" switch for the fireplace to OFF, turn off all electric power

- to the fireplace and call your service technician or gas supplier.
- Note:** Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.
4. Push the "On/ Off" switch to the fireplace Off.
 5. Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to step 3.
 6. Set fireplace to desired setting by using hand held remote.

TO TURN OFF GAS APPLIANCE

1. Push the "on/ off" switch to the "Off" position.
2. Turn off all electric power to the appliance and remove backup batteries if service is to be performed or for extended shutdown.

Due to high surface temperatures, keep children, clothing and furniture away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

A cause de la température élevée des parois, tenir éloignés les enfants, les vêtements et les meubles. Maintenir propres le brûleur et le compartiment de commande. Voir les instructions relatives à l'installation et au fonctionnement qui accompagnent l'appareil.

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapours away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Surveiller les enfants. Garder les vêtements, le meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil. S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

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First Fire

When lit for the first time, the fireplace will emit a slight odor for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. Odors caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or cook stove oven.

Special Operator Note

NOTE: Pilot may take up to 30 seconds to ignite each time the “ON” button has been selected.

Remote Control Operation



Figure 62: Proflame 2 handset.

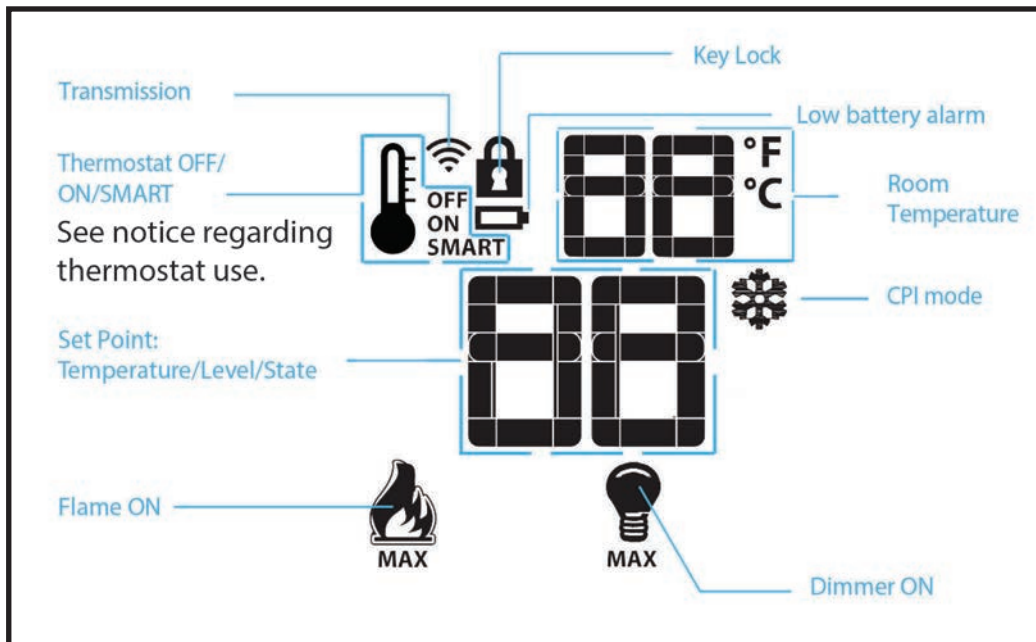


Figure 63: Proflame 2 LCD screen details.

NOTICE: The thermostat function is disabled by default. Thermostat function is not permissible in the USA but is permissible in Canada. Instructions for enabling the thermostat function in Canada, see “Instructions for enabling the Thermostat function for Canadian users.” on page 41

Attention!

- Turn off the main gas supply for the appliance during installation or maintenance of the receiver/module device.
- Turn off main gas supply for the appliance prior to removing or reinserting the batteries.
- In case of remote control malfunction, turn off the fireplace using the “on/off” main switch located on the wall.
- For installation/maintenance, turn off the fireplace at the on/off switch located on the wall and at the fireplace power supply circuit breaker.

Fireplace Description

The Proflame 2 Remote Control Fireplace consists of three elements:

1. Proflame 2 Remote Control Transmitter.
2. Proflame Integrated Fireplace Control (IFC) board (Figure 30) and a wiring harness to connect the IFC to the gas valve and stepper motor.
3. Wall mounted Remote Control Receiver - page 40.

Transmitter (Remote Control with LCD Display)

The Proflame 2 Transmitter uses a streamline design with a simple key layout and an informative LCD display (Figure 62). The remote control transmitter is powered by 3 AAA batteries. A mode key is provided to index between the features and a thermostat key is used to turn on/off or index through thermostat functions (Figure 63).

IFC Module

The Proflame 2 Integrated Fireplace Control (IFC) module is a device that allows automatic ignition and pilot flame supervision and commands the functions of the fireplace. It's configured to control the ON/OFF main burner operation, giving the choice of both IPI (intermittent pilot ignition), and CPI (continuous pilot ignition) modes. The Proflame 2 IFC module controls and connects directly to the pilot assembly and the automatic valve using low electric power.

The IFC module can be powered by both an AC power supply, and battery pack for back up. The Proflame 2 offers the added ability to control the comfort fan speed from OFF through six (6) speeds, and remotely actuated dimmable lights. The external batteries can provide DC power to the IFC allowing the batteries to be used only when line power is interrupted or lost, and if the fireplace does not use a power vent.

Operating Procedure

Initializing the Fireplace for the first time

1. With the fireplace main circuit breaker in the OFF position, Install 4 AA batteries into the Town & Country wall switch battery holder (Figure 65) located behind the wall switch face plate (Figure 66). Make sure that the selection switch is on the "Remote" setting.
2. Install 3 AAA batteries into the Proflame 2 Remote Control Transmitter (Figure 62).
3. Turn ON the fireplace main circuit breaker and open the gas supply line (if valve is present and accessible).
4. Insert a straightened paper clip into the opening marked "Program" of the Town & Country wall switch (Figure 66) and press the program button once. The IFC module, also located on the inside of the fireplace enclosure, will beep 3 times indicating that it is ready to synchronize with a remote control transmitter.
5. On the remote control transmitter, push the "power on" key once. The remote control transmitter will beep 4 times to indicate that the remote control transmitter and the IFC module are now synchronized. The remote control transmitter is now ready to use.

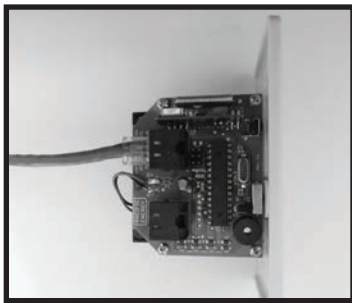


Figure 64: Wall switch interface side.

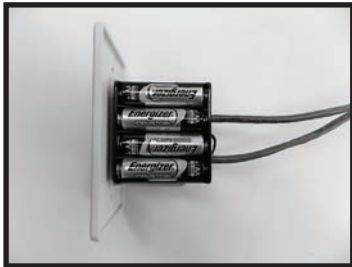


Figure 65: Wall switch battery side.



Figure 66: Town & Country wall switch.



Figure 67: Proflame 2 remote battery bay.

Using the Remote Control Transmitter

Temperature indication Display (if thermostat function is enabled)

With the remote control transmitter in the “OFF” position, press the thermostat and mode keys at the same time. Look at the LCD screen on the remote control transmitter to verify that a C or F is visible to the right of the room temperature display (Figure 68 or Figure 69).

Turn on the Fireplace

With the fireplace OFF, press the ON/OFF key on the remote control transmitter. The remote control transmitter display will show the active icons on the screen. At the same time the wall switch will activate the fireplace via the IFC module. A single “beep” from the IFC module will confirm reception of the command.

Turn off the Fireplace

With the fireplace ON, press the ON/OFF key on the remote control transmitter. The remote control transmitter LCD display will only show the room temperature (Figure 68 or Figure 69). At the same time the IFC module will turn off the fireplace. A single “beep” from the IFC module confirms reception of the command.

Manual Bypass of the Remote Fireplace

If the batteries of the remote control transmitter are low or depleted, the fireplace can be turned on and off manually using ON/OFF switch located on Town & Country wall switch. This will bypass the remote control transmitter.

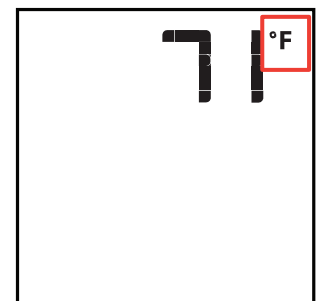


Figure 68: Display in fahrenheit.

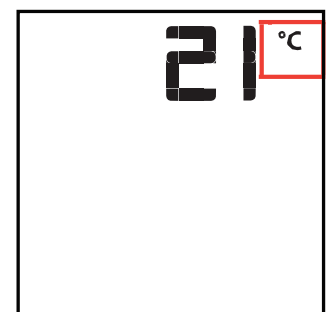


Figure 69: Display in celcius.

Remote Flame Control

The Proflame 2 has six (6) flame levels. With the fireplace turned on, and the flame level at maximum height, press the down arrow key on the remote once to reduce the flame height by one step until the flame is turned off (Figure 70).

The up arrow key will increase the flame height each time it is pressed. If the up arrow key is pressed while the fireplace is on but the flame is off, the flame will come on in the high position. A single “beep” will confirm reception of the command.

ROOM THERMOSTAT (Transmitter Operation) If enabled.

The remote control transmitter can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate this function, press the thermostat key (Figure 62). The LCD display on the remote control transmitter will change to show that the room thermostat is “ON” and the set temperature is now displayed (Figure 71). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the remote control transmitter.

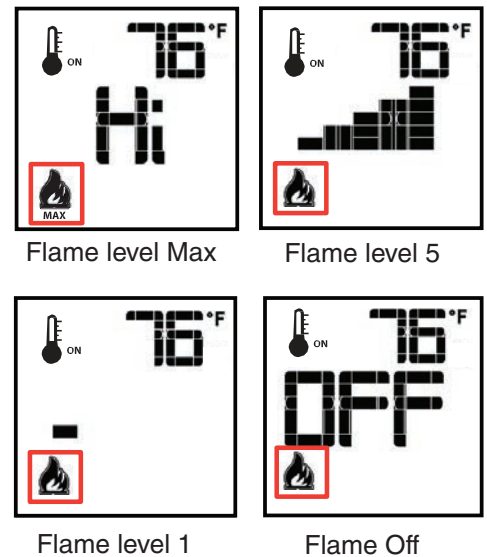


Figure 70: Flame level control.

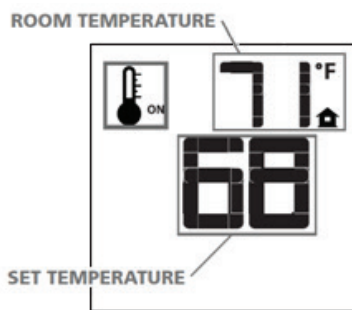


Figure 71: Room temperature control.

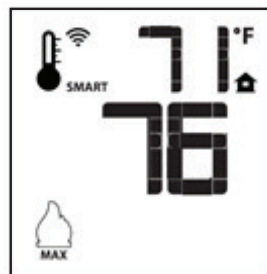


Figure 72: Smart flame function.

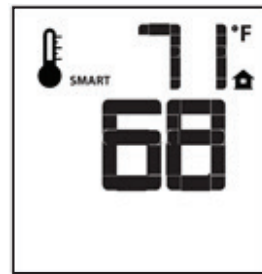


Figure 73: Smart flame function set low.



Figure 74: Comfort fan off.

Smart Thermostat (Transmitter Operation) If enabled.

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point and the room temperatures. As the room temperature gets closer to the set point, the Smart Function will modulate the flame down. If the room temperature is cool, the Smart Function will modulate the flame up. To activate this function, press the THERMOSTAT button (Figure 62) until the word “SMART” appears to the right of the temperature icon (Figure 72). To adjust the set point, press the up or down arrow buttons until the desired set point temperature is displayed on the LCD screen of the remote control transmitter (Figure 72 and Figure 73).

Instructions for enabling the Thermostat function for Canadian users.

The thermostat key (Figure 62) on the remote handset needs to be held down. Keep it pressed down and remove one of the three batteries from the remote handset. Simply re-install the battery that was removed and the feature is activated. Use the same procedure to disable the thermostat function.

Remote dimmer control (Light)

To activate this function use the Mode Key (Figure 62) to index to the light bulb icon (Figure 75). The intensity of the output can be adjusted through six (6) levels. Use the Up/Down Arrow Keys to adjust the output level. A single “beep” will confirm reception of the command.

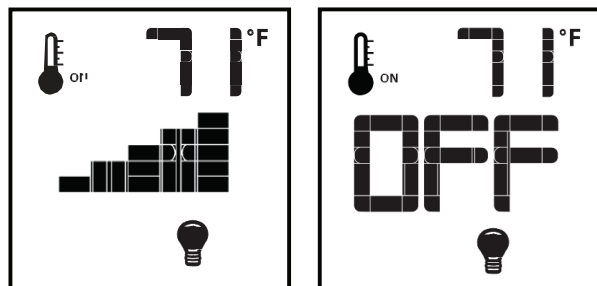


Figure 75: Dimmer light control.

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

With the system in the “OFF” position, press the Mode Key (Figure 62) to index to the CPI mode icon (Figure 76). Pressing the Up Arrow Key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down Arrow Key will return to IPI. A single “beep” will confirm the reception of the command.

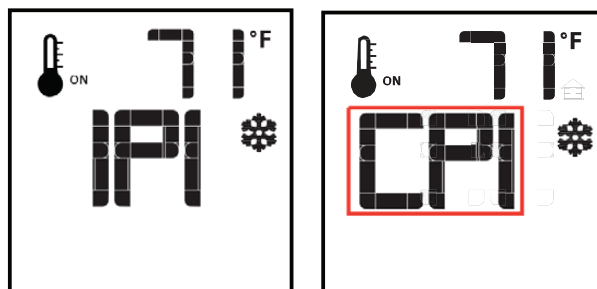


Figure 76: IPI - CPI control.

Key Lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and UP keys at the same time (Figure 62). The lock icon will appear (Figure 77). To de-activate this function, press the MODE and UP key at the same time.

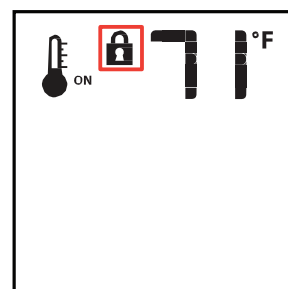


Figure 77: Key lock.

Low Battery Power Detection

Transmitter

The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the remote batteries are low, an icon will appear on the LCD display of the remote (Figure 78) before all battery power is lost. When the batteries are replaced this icon will disappear.

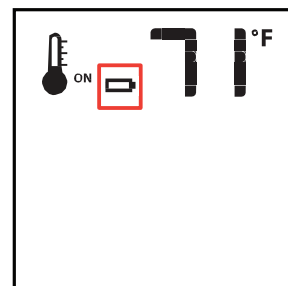


Figure 78: Low battery icon.

Receiver

The life span of the IFC module batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the IFC batteries are low, a “double-beep” will be emitted from the IFC module when it receives a command from the remote. This is an alert for a low battery condition for the IFC board. When the batteries are replaced, a single “beep” will be emitted from the IFC module when a key is pressed.

Maintenance

CAUTION: Turn off gas and electrical power supply (if applicable) and allow ample time for unit to cool before servicing appliance. It is recommended that the fireplace and its venting should be inspected at least once a year by a qualified service person.

Glass Panel:

Warning: Do not operate fireplace with glass panel removed, cracked or broken. Replacement of the glass panel should be done by a licensed or qualified service person.

Do not strike or otherwise impact the glass in anyway that may cause it to break. If the glass becomes cracked or broken it must be replaced before using the fireplace. Replacement glass can be obtained from your nearest Town & Country Fireplaces™ dealer. Be sure to specify if the fireplace has a regular door or an arched door. Use ceramic glass only. Do not substitute with any other type.

To remove broken glass, remove door frame as noted in “Door Frame Removal” on page 7

Unclip the Glass Retainer Clips located at the top and sides of the glass door frame. Pull the top edge of the glass out of the frame first, then lift it up and out of the bottom edge.

Install the new piece of glass with the gasket into the frame so that the thicker bead of gasket faces the fireplace.

Reinstall glass retaining clips.

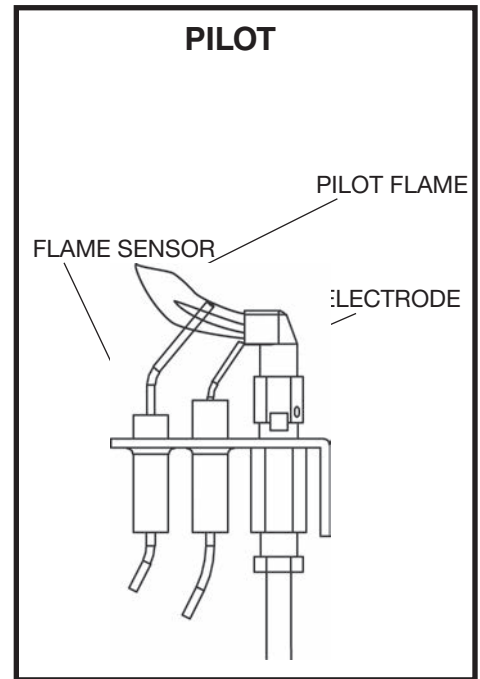


Figure 79: Pilot assembly.

ANNUAL INSPECTION:

- A) REMOVE GLASS PANEL AND INSPECT THE DECORATIVE BURNER MEDIA (SUCH AS LOGS, PEBBLES, GLASS ETC) FOR SOOT BUILD UP. IF EXCESSIVE BUILD UP OF SOOT IS PRESENT, HAVE A QUALIFIED SERVICE PERSON INSPECT AND ADJUST THE UNIT FOR PROPER COMBUSTION. CLEAN THE DECORATIVE MEDIA AND USE A BRUSH OR VACUUM CLEANER TO CLEAN THE BURNER, PAYING CLOSE ATTENTION TO THE BURNER PORTS.
- B) CHECK THE PILOT SYSTEM FOR PROPER FLAME SIZE AND OPERATION. CLEAN PILOT FREE OF SOOT, DUST OR ANY OTHER DEPOSITS, SEE (FIGURE 79).
- C) CHECK THAT THE VENT PIPE AND VENT TERMINAL ARE OPEN AND FREE FROM BLOCKAGE OR DEBRIS. IF THE VENTING IS DISASSEMBLED FOR CLEANING, IT MUST BE PROPERLY REASSEMBLED AND RE-SEALED. REFER TO VENTING SECTION STARTING ON PAGE 21 FOR PROPER PROCEDURE.
- D) CHECK GLASS PANEL GASKET, REPLACE IF NECESSARY. IT IS IMPORTANT THAT THE GLASS SEAL BE MAINTAINED IN GOOD CONDITION.
- E) CHECK AND REPLACE BATTERIES AS NEEDED.

NOTE: THE APPLIANCE AREA MUST BE KEPT CLEAR AND FREE FROM COMBUSTIBLE MATERIALS, GASOLINE AND OTHER FLAMMABLE VAPOURS AND LIQUIDS.

PERIODICALLY:

- A) VIEWING GLASS MAY BE CLEANED AS NECESSARY WITH FIREPLACE GLASS CLEANER.
- B) EXTERIOR FINISH MAY BE CLEANED WITH MILD SOAP AND WATER.

CAUTION:
DO NOT USE ABRASIVE CLEANERS ON GLASS OR ANY OTHER PART OF THE FIREPLACE.

DO NOT CLEAN GLASS WHEN HOT.

TC36 D Replacement Parts

(WHEN ORDERING, INCLUDE PART NUMBER WITH DESCRIPTION)

ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
#1	TC36 BODY ASSY	TC36.D	#4	PANEL SETS	
#2	GLASS ASSY	GLAS.2087ASSY		PARK AVE. BEIGE HERRINGBONE	TCPN.36PAC2
#3	FRAMING KIT	TC36.9767-A		MT.VERNON RED BRICK 2	TCPN.36VRC2
				MANHATTAN STACKED BRICK	TCPN.36MNC2
				BLACK PORCELAIN	TCPN.757031C
				CB BROWN PORCELAIN	TCPN.757031CBC
				TITANIUM	TCPN.757031TI
				MILAN	TCPN.36M1LC2
				COPPER	TCPN.757031CU

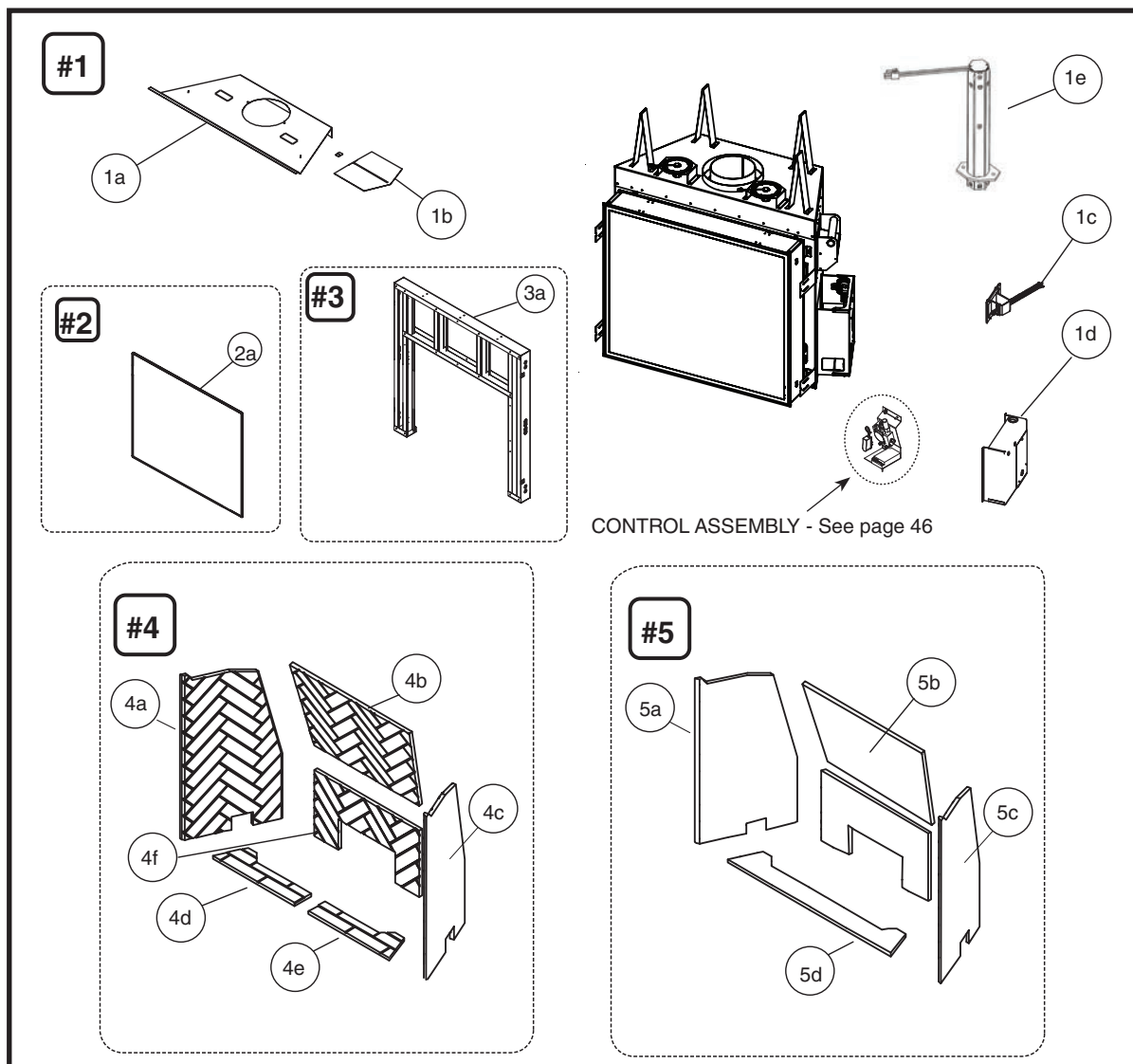


Figure 80: TC36 D parts.

KIT CONTENTS:

#1 TC36 BODY ASSEMBLY	#2 GLASS ASSEMBLY	#4 FIBER PANEL SETS	#5 PORCELAIN PANEL SETS
1a. FIREBOX SHIELD (c/w insulation)	2a...REPLACEMENT GLASS	4a.....PANEL, LEFT SIDE	5a...PANEL, LEFT SIDE
1b FLUE DAMPER	(c/w gasket)	4b.....PANEL, UPPER	5b...PANEL, UPPER/LOWER REAR
1c.....SPRING LATCH ASSEMBLY(2)	#3 FRAMING KIT	4c.....PANEL, RIGHT SIDE	5c...PANEL, RIGHT SIDE
1d ..CONTROL ASSEMBLY HOLDER	3a...STEEL STUDS	4d.....PANEL, LEFT BASE	5d PANEL, LEFT/RIGHT BASE
1e..... LED LIGHT ASSEMBLY		4e.....PANEL, RIGHT BASE	
		4f.....PANEL, LOWER BACK	

TC36.DAR Replacement Parts

(WHEN ORDERING, INCLUDE PART NUMBER WITH DESCRIPTION)

ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
#1	TC36 ARCH BODY ASSY.....	TC36.DAR	#4	PANEL SETS	
#2a	GLASS ASSY.....	GLAS.2088ASSY	PARK AVE. HERRINGBONE 2	TCPN.36ARPAC2	
#3	FRAMING KIT.....	TC36.9567-A	MT.VERNON RED BRICK 2	TCPN.36ARVRC2	
			MANHATTAN STACKED BRICK 2	TCPN.36ARMNC2	
			BLACK PORCELAIN.....	TC 02.C	
			CB BROWN PORCELAIN.....	TCPN.75702CB.C	
			TITANIUM	TCPN.75702.TI	
			MILAN.....	TCPN.36ARM1LC2	
			COPPER.....	TCPN.75702.CU	

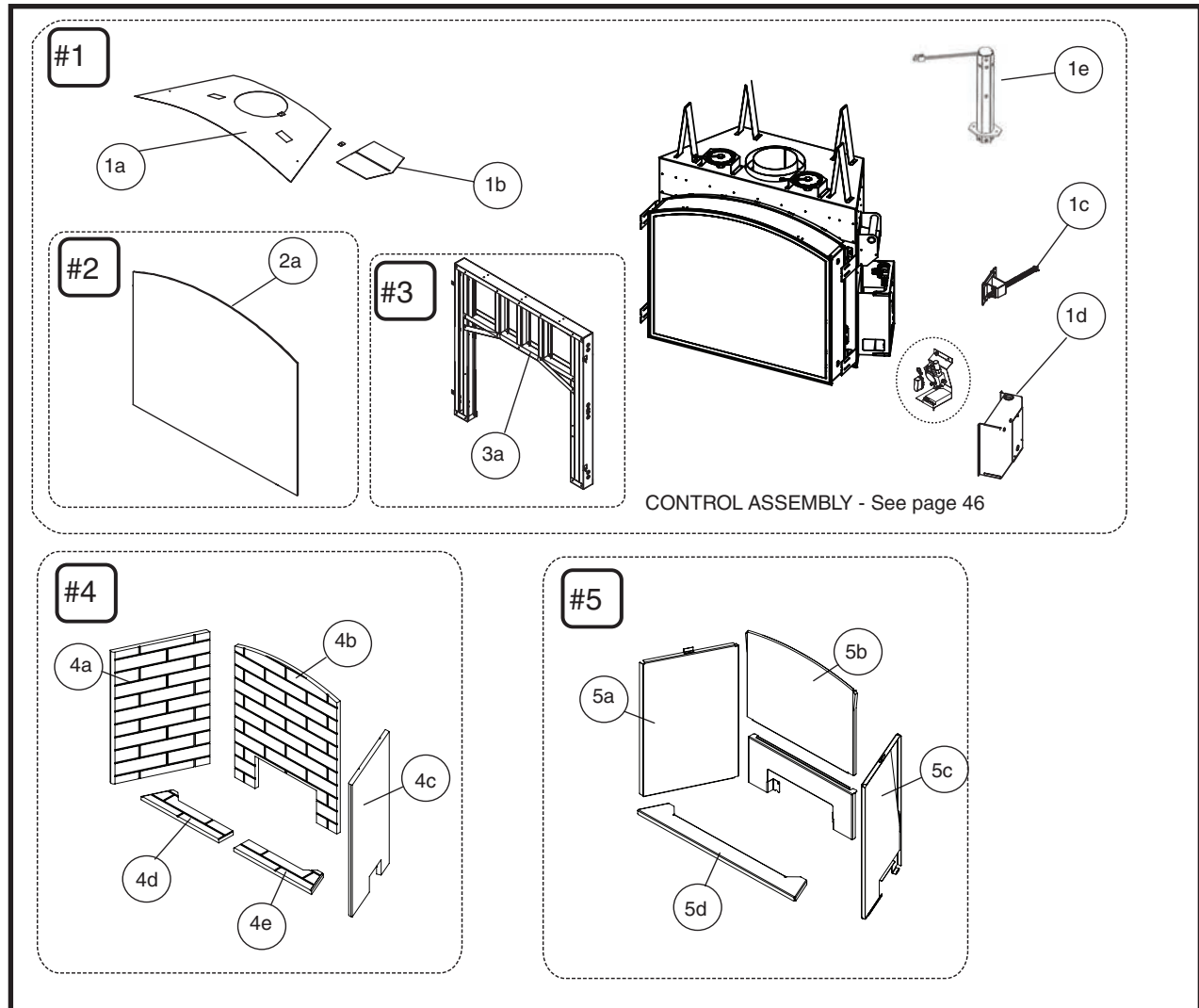


Figure 81: TC36 D Arched parts.

KIT CONTENTS:

#1 TC36 ARCH BODY ASSEMBLY

- 1a FIREBOX SHIELD (c/w insulation)
- 1b FLUE DAMPER
- 1c SPRING LATCH ASSEMBLY(2)
- 1d CONTROL ASSEMBLY HOLDER
- BRICK PANEL RETAINER (not shown)
- 1e LED LIGHT ASSEMBLY

#2 GLASS ASSEMBLY

- 2a REPLACEMENT GLASS (c/w gasket)

#3 FRAMING KIT

- 3a STEEL STUDS

#4 FIBER PANEL SETS

- 4a PANEL, LEFT SIDE
- 4b PANEL, REAR
- 4c PANEL, RIGHT SIDE
- 4d PANEL, LEFT BASE
- 4e PANEL, RIGHT BASE

#5 PORCELAIN PANEL SETS

- 5a PANEL, LEFT SIDE
- 5b PANEL, UPPER/LOWER REAR
- 5c PANEL, RIGHT SIDE
- 5d PANEL, LEFT /RIGHT BASE

Replacement Parts – Valve Control System

(WHEN ORDERING, INCLUDE PART NUMBER WITH DESCRIPTION)

ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
#1	CONTROL ASSEMBLY KIT	TCCV.95755-B	#4	TEST FITTING	5019.104
#2	BULKHEAD ASSEMBLY KIT	TCRP.8133	#5	WALL SWITCH ASSSEMBLY KIT	TCCV.WSA
#3	COMMUNICATION CABLE KIT	5062.98-A	#6	REMOTE TRANSMITTER	TCRP.500307

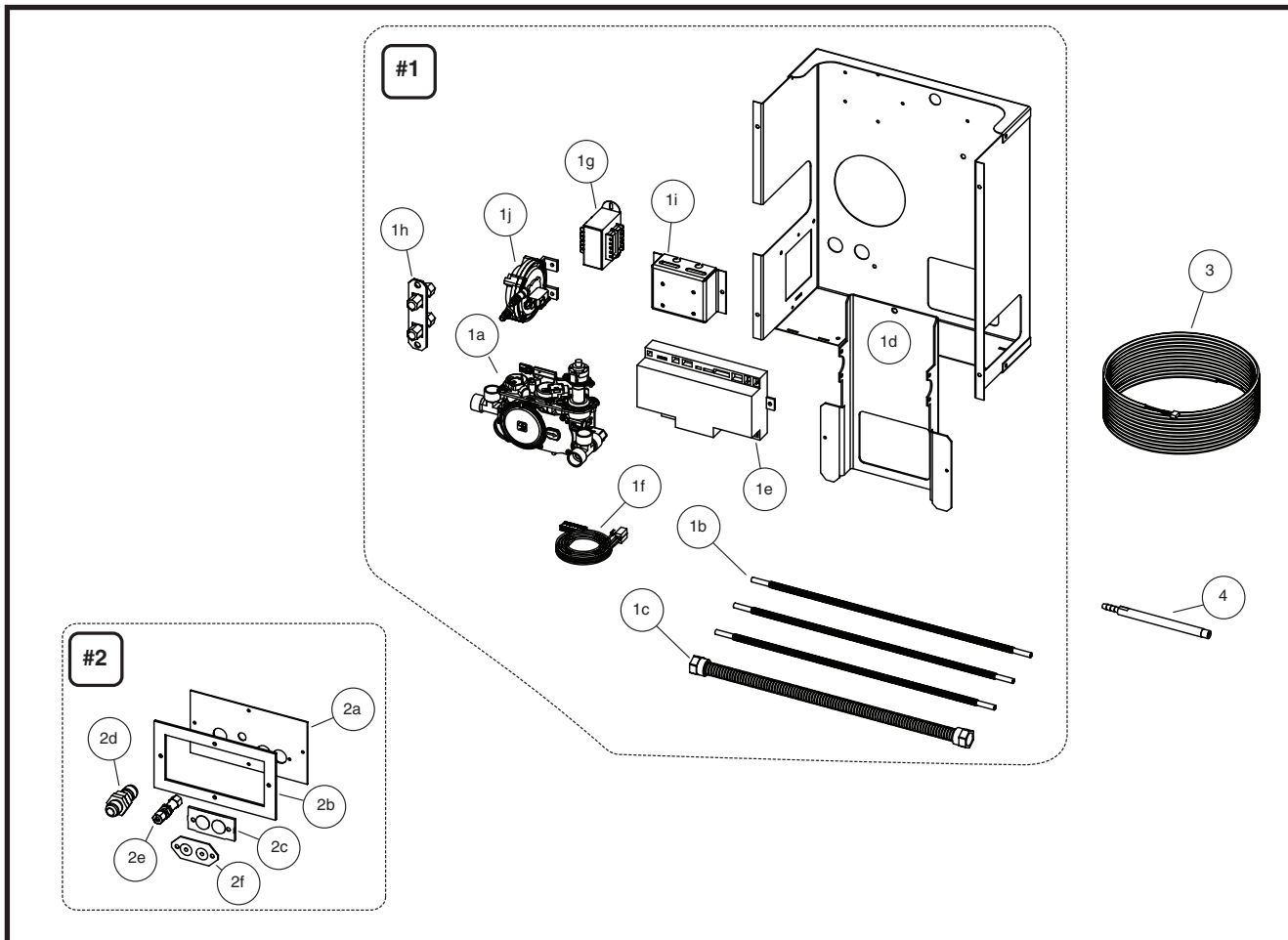


Figure 82: TC D Control assembly.

KIT CONTENTS:

#1 CONTROL ASSEMBLY KIT

1a..... VALVE c/w FITTINGS
 1b 1/4" FLEX TUBE
 1c..... 1/2" FLEX TUBE
 1d ... CONTROL MOUNTING BRACKET
 1e..... IGNITION MODULE
 1f WIRING HARNESS
 1g TRANSFORMER
 1h..... PRESSURE TEST ASSEMBLY
 1i..... REGULATOR BOARD
 1j..... PRESSURE SWITCH

#2 BULKHEAD ASSEMBLY KIT

2a..... INLET PLATE
 2b INLET PLATE GASKET
 2c..... ELEC BULKHEAD GASKET
 2d 1/2" BULKHEAD FITTING
 2e..... 1/4" BULKHEAD FITTING
 2f ELEC BULKHEAD FITTING

#3..... COMMUNICATION CABLE KIT

#4..... TEST FITTING

Wiring Diagram

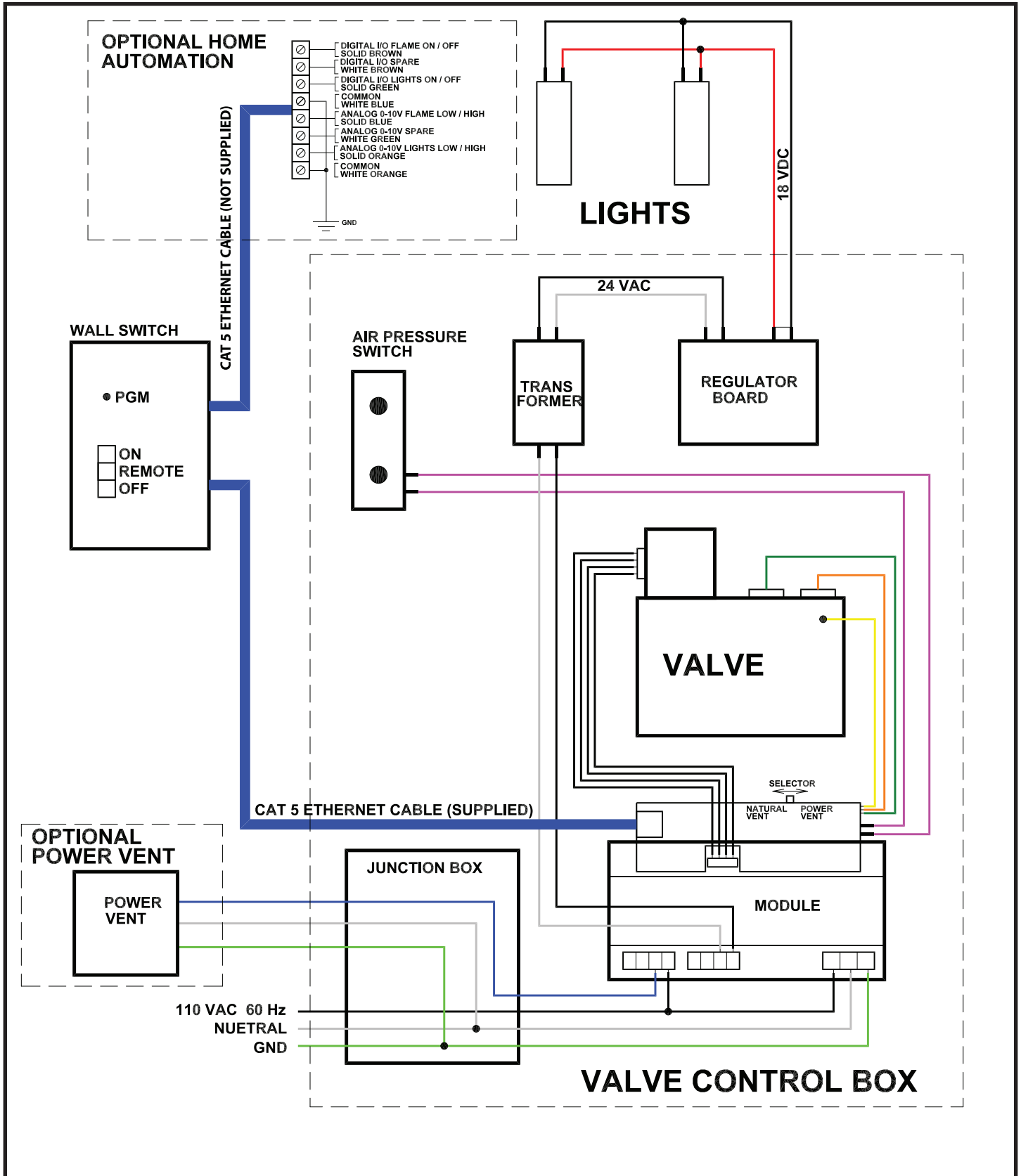


Figure 83: TC 36D Wiring diagram.

Rating Label

NOTE: The Rating Label is located on a plate found in a slot between the left hand side lintel and the left hand side window frame. This plate is attached to the lintel with a cable.



TOWN & COUNTRY
FIREPLACES™

MODEL/
MODELE: **TC36**
TC36AR

SERIES/
SERIE: **D**

MADE IN CANADA
FABRIQUE AU CANADA

VENTED GAS FIREPLACE - NOT FOR USE WITH SOLID FUEL
FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU
COMBUSTIBLE SOLIDE

ANSI Z21.50-2014 / CSA 2.22-2014 Vented Gas Fireplaces
CAN/CGA 2.17-M91 Gas-Fired Appliance For Use At High Altitudes.

Certified for / Certifié pour Canada and U.S.A.

706

This Appliance is Equipped For Use With /
Cet Appareil est Équipé Pour Utiliser Avec :

NATURAL GAS
GAZ NATUREL

LP-GAS
LP GAZ

FOR USE WITH/ EN CASE D'EMPLOI AVEC:	NATURAL GAS/ DU GAZ NATUREL	LP GAS/ DU GAZ LP
Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimentation)	5.0 in/wc / 5.0 po/c.e. (1.25 kPa)	12.5 in/wc / 12.5 po/c.e. (3.11 kPa)
Maximum supply pressure / Pression maximum d'alimentation:	13.9 in/wc / 13.9 po/c.e. (3.45 kPa)	13.9 in/wc / 13.9 po/c.e. (3.45 kPa)
Manifold pressure / Pression de la tuyauterie: Maximum	3.5 in/wc / 3.5 po/c.e. (0.95 kPa)	10.0 in/wc / 10.0 po/c.e. (2.74 kPa)
Orifice Size / Diametre de l'injecteur:	(3.45 mm)	(2.18 mm)
Input BTU/hr (kW) / Entree BTU/h (kW):	Max.: 47,000 (13.8) Min.: 32,000 (9.40)	Max.: 47,000 (13.8) Min.: 38,000 (11.1)

Optional components/ Éléments facultatifs: Powervent Kit/ kit de ventilation mécanique TCVT.PVI.25, TCVT.PV7.110, TCVT.PVCV

Blower electrical rating: 115v, 60hz, 1.1 A / Normes électriques du ventilateur: 115v, 60hz, 1.1 A

This appliance equipped for altitudes 0 - 4500 ft. (0 - 1372 m) / Cet unité est conçu pour des altitudes variant entre 0 - 4500 pieds (0 - 1372 m). In Canada, also certified for installation in a bedroom or a bedsitting room / Aussi certifié pour installation dans une chambre à coucher ou une salle de séjour. This appliance must be installed in accordance with local codes, if any; if none, follow the current CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) Installation Codes. Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) en vigueur.

MANUFACTURED (MOBILE) HOME: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owners manual for details.
FABRIQUEZ (MOBILE) MAISON: Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison préfabriquée (mobile) installée à demeure si les règlements locaux le permettent. Voir la notice du propriétaire pour plus de détails. Cet appareil ne peut être converti à d'autres gaz sauf si une trousse de conversion certifiée est utilisée.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.). Cet appareil doit être installé conformément aux exigences de la norme CAN/CSA Z240 MH en vigueur de l'ACNOR, Installations de gaz dans les Constructions Mobiles.

FOR USE WITH THE GLASS AND SCREEN BARRIER CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES EN VERRE CERTIFIÉES AVEC L'APPAREIL

MINIMUM CLEARANCES TO COMBUSTIBLES / CLAIRANCES MINIMALES AVEC LES COMBUSTIBLE

Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face.

Top, Back and Side Standoffs / Sommet, Arrière et Côté Butée	0 in./ 0 po.	(0 mm)
Sidewall to Appliance / Du mur latéral a l'appareil	4 in./ 4 po.	(102 mm)
Ceiling to Appliance / Plafond a l'appareil	24 in./ 24 po.	(610 mm)
Mantel to Appliance / Du manteau a l'appareil	*9 in./ 9 po.	(229 mm)
Maximum Mantel Extension / Allongement maximum du manteau	*12 in./ 12 po.	(305 mm)
*See Installation Manual for more detail / Voyez des Directive de l'Installation pour plus détails.		
Mantel Supports / Supports du manteau	4 in./ 4 po.	(102 mm)
Vent Pipe / Déchargez le Tuyau	1.75 in./ 1.75 po.	(45 mm)

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

250814

5050.7205D

DATE OF MANUFACTURE

JAN	FEB	MAR	APR	2014
MAY	JUN	JUL	AUG	2015
SEP	OCT	NOV	DEC	2016

1-TC36-D

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For technical support, please contact your retailer.

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