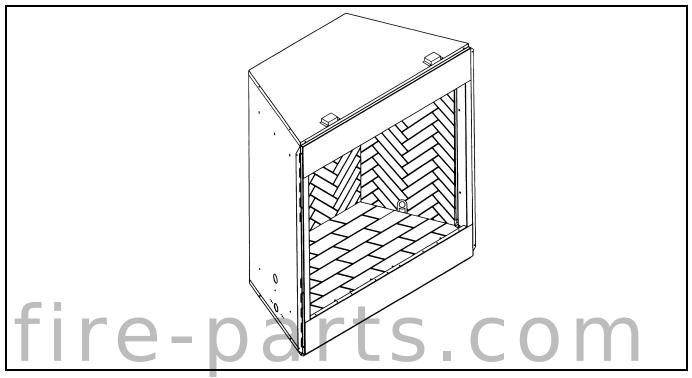
## TEMCO FIREPLACE PRODUCTS, Inc.

## INSTALLATION INSTRUCTIONS

**READ AND SAVE THESE INSTRUCTIONS** 



# PRESTIGE SERIES UNIVERSAL CUSTOM HOME VENT-FREE FIREBOX MODELS: ADCH39F and ADCH45F

These fireboxes are approved as universal fireboxes and can be paired with any ANSI Z21.11.2 approved vent-free log set. The vent-free log manufacturer's instructions - including their required dimensional clearances for firebox size - must be followed.

Refer to the manual that is packed with the log set for operating instructions

This book contains your installation instructions and should be kept in a safe place. For you to realize all the advantages and use of the reliable service that has been engineered into your TEMCO fireplace, you must carefully follow all of the instructions contained in this book regarding installation and operation of the fireplace.

These instructions should be read carefully in their entirety before beginning installation of the fireplace.

It is suggested that you wear work gloves and safety glasses to protect your hands and eyes when installing your fireplace.

**NOTE:** Authorities having jurisdiction (i.e. building inspectors, fire marshals, etc.) should be consulted before installation to determine the need to obtain a permit.

The following optional accessories are available for use with your fireplace.

**Decorative Louver Trim Kit - (polished brass finish) Flush Panel Kit -**

Heat Reducing Canopy - UC42, UC36

Brick Canopy - BC42 (For ADCH45F), BC36 (For ADCH39F)





P.O. Box 1349 Manchester, TN 37349

P.O. Box 1148 Perris, CA 92572

A subsidiary of Temtex Industries, Inc.

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### PLANNING AHEAD =

## CHOOSING THE LOCATION FOR YOUR FIREPLACE:

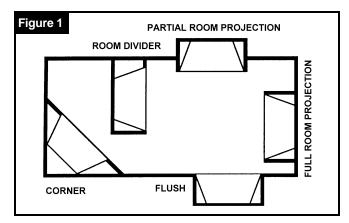
Figure 1 shows some of the many ways your fireplace may be installed. Consider the traffic pattern in your room and the location of doors and windows. Moving air from ceiling fans, open doors and hot air grills may cause the flames to soot. If a disturbance is found that effects the flames, it must be eliminated by turning off the ceiling fan, closing the door or closing or moving the hot air register. A corner location may be best where space is limited.

Your fireplace weighs no more than some of your fine furniture. If the fireplace is located near a load bearing wall, additional supports to the foundation will not be necessary. HEAVY FACINGS SUCH AS BRICK, STONE, ETC., MAY REQUIRE ADDITIONAL FOUNDATION SUPPORT, AND/OR SITE CONSTRUCTED LINTEL BAR.

ALTHOUGH THIS UNIT MAY BE INSTALLED ON COMBUSTIBLE SURFACES, IT MUST NOT BE INSTALLED ON CARPET OR VINYL.

#### **GAS LINE**

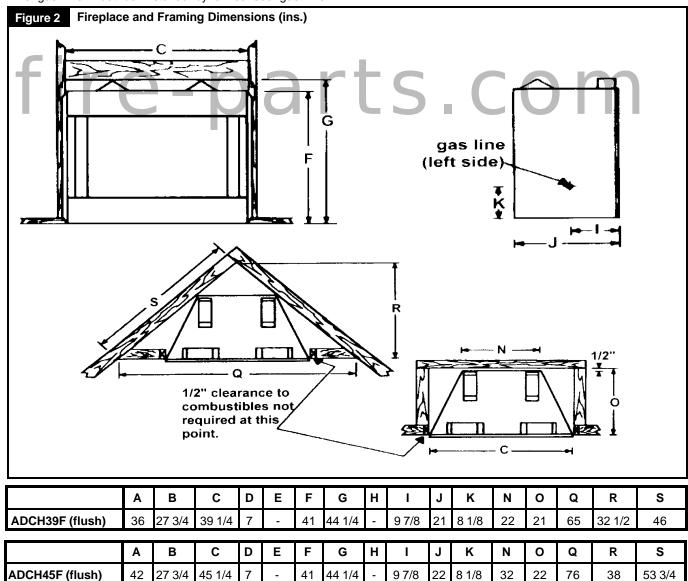
The gas line must be installed by a licensed gas line



installer before framing in the fireplace.

#### DRAFTS

Do not locate the fireplace in high traffic areas or areas exposed to high drafts and winds. Locate the fireplace away from furniture and draperies.



#### FIREPLACE CLEARANCES

The fireplace may be placed directly on a combustible floor, against a combustible wall at marked clearances or on a raised wooden platform.

If the fireplace is to be installed on a raised wooden platform, the platform must be a continuous level surface. The fireplace must be secured in place so it cannot shift positions. The nailing flanges on the sides of the firebox make securing it to the framing easy. They were designed to allow the installation of ½" wallboard or plywood flush with the face of the fireplace.

Only the header (see figure 2) may rest on the standoffs on top of the firebox.

When the fireplace is installed over carpeting, vinyl, tile or any combustible material other than wood flooring, it must be installed on a metal or wood panel extending its full width and depth. Alternatively, the carpeting, vinyl tile, etc., may be removed from beneath the fireplace before installing. COMBUSTIBLE MATERIALS MUST NOT BE INSTALLED OVER OR TOUCH ANY BLACK PAINTED SURFACE. DO NOT BLOCK HEAT CIRCULATING AIR OUTLETS. DOING SO MAY RESULT IN POTENTIAL FIRE HAZARD.

#### **CLEARANCES**

To ensure a safe installation the following instructions must be carefully observed.

- Sidewall Clearances: Clearances from the side of the fireplace opening to any combustible wall should not be less than 5", (see figure 6A).
- 2. Ceiling Clearances: The ceiling height should not be

less than 42" from the top of the fireplace opening.

#### 3. Mantel Clearances:

- A If the fireplace has no mantelpiece, then the heat resistant material must extend upwards a distance of at least 9 1/2" from the fireplace opening, (see figure 6B).
- B. Noncombustible materials used in this installation such as slate, marble, tile, etc. must be at least 1/2" thick. Do not install a combustible material behind sheet metal. Failure to use noncombustible materials above the opening as specified in these instructions may cause damage to the materials used and create a fire hazard.
- C. A combustible mantle piece may project 1" from the wall at 9½" above the fireplace opening. A 6" mantle projection at 16" above the fireplace opening and a 10" projection at 24" above the opening, (see figure 6B and 6C).
- D. An optional heat reducing canopy is available for this fireplace. Use this canopy to reduce mantel heights as shown in figure 6D.
- ? To install the optional canopy, begin by making sure that along with the canopy there are also four sheet metal screws. The canopy has four holes along the top edge. The middle two holes are smaller than the outer holes. The canopy will fit tightly in the top front edge of the fireplace opening with the two larger outer holes clearing two screws that already exist. Attach the canopy by the two center holes and the two holes on the ends of the canopy at the bottom with the four sheet metal screws provided.

## INSTALLING THE FIREBOX

This list of specific instructions will help you make certain that every installation operation is done correctly. Complete the installation steps in the sequence shown.

LOCAL BUILDING CODES SHOULD BE CONSULTED IN ALL CASES AS TO THE PARTICULAR REQUIREMENTS CONCERNING THE INSTALLATION OF FACTORY BUILT FIREPLACES.

Select the location for the fireplace by taking into consideration the factors previously outlined in the **Planning Ahead** section of the manual.

#### Step 1: Framing the Firebox

The width of the framed opening must be 39-1/4" for ADCH39F or 45-1/4 for ADCH45F (see figure 3).

The entire fireplace can be elevated above the floor to achieve a raised hearth effect. This can be done by adding a small platform to achieve the desired height.

#### **Step 2: Install the Firebox**

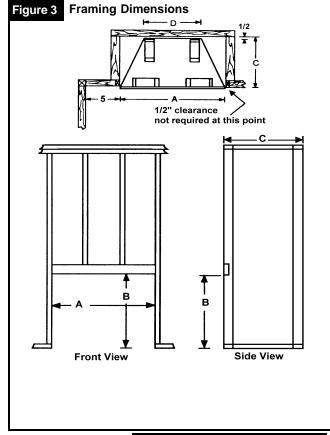
Install the firebox into the framed opening by setting it directly in front of the opening and sliding it into the proper position.

#### Step 3: Level the Firebox

Check the level of the firebox on the top edge of the fireplace face. Shim if necessary.

#### **Step 4: Secure the Firebox**

Secure the fireplace to the framing. The nailing flanges on the firebox will make securing the firebox to the frame quick and easy. Use appropriate size nails or screws to secure the firebox.



	Α	В	С	D
ADCH39F models	39 1/4	44 1/4	21	22
ADCH45F models	45 1/4	44 1/4	22	32

#### **Step 5: Gas Piping and Connection**

The gas piping must be installed in accordance with local codes or, in the absence of local codes, in accordance with the National Fuel Gas Code, ANSI Z223.1, latest edition.

The normal gas connection is 1/2" NPT, made at the left side facing the unit. If a right side connection is desired, the connecting pipe must be led at the rear of the fireplace to terminate at the left hand side for connection to the fireplace.

Piping should be tested for leaks prior to final wall installation. Test for leaks using soap and water solution after completing the connection. DO NOT USE OPEN FLAME.

## Step 6: Optional Procedure for Cold Climate Installations

The insulation and sealing of the enclosure around the fireplace is very important in cold climates. If the enclosure is insulated and sealed properly, you can avoid future cold air problems. The time taken to install the firebox correctly is well worthwhile. The following steps are to reduce potential cold air problems.

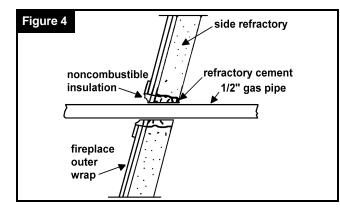
#### Insulation Of The Fireplace Enclosure

When in a chase or an outside wall, the fireplace enclosure should be insulated like any other wall of your home. Insulation should be installed on the outside wall(s) and the wall above the fireplace.

#### Insulate To Seal Under The Fireplace

Insulating under the fireplace is beneficial for installations on a concrete slab. The fireplace should be placed on insulating board. It is important that a hard, rigid surface be maintained, so do not use fiberglass insulation for this purpose.

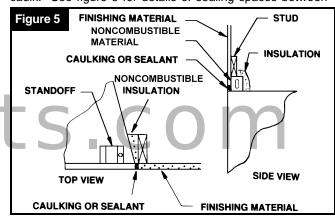
CAUTION: WHEN INSTALLING A FIREPLACE IN AN

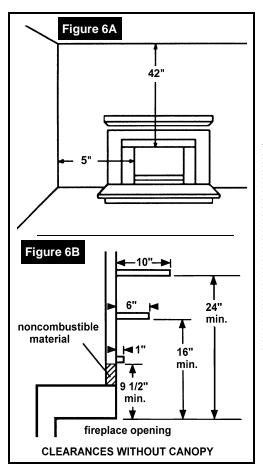


INSULATED ENCLOSURE, BE SURE TO MAINTAIN ALL MARKED AIR SPACES.

#### **Seal Seams**

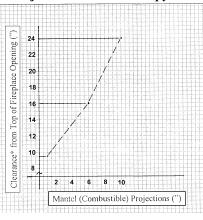
Seal the seams of the fireplace where the outer wall meets the bottom pan and the front face. Also seal between the fireplace and finishing materials. Use high temperature caulk. See figure 5 for details of sealing spaces between





#### Figure 6C

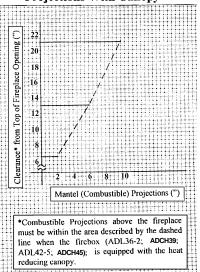
## Clearance to Combustible Mantel Projections without Canopy



5

#### Figure 6D

#### Clearance to Combustible Mantle Projections With Canopy



### FINISHING YOUR FIREPLACE

There are a wide variety of finishing materials available for your fireplace from formal wall treatments with marble and mantels to rustic wood paneling, stone or brick.

IT IS IMPORTANT THAT THE BLACK FACE OF THE FIREPLACE NOT BE COVERED WITH ANY TYPE OF COMBUSTIBLE MATERIAL.

Noncombustible facing materials such as marble, brick or ceramic tile may overlap the black face of the fireplace up to the opening on either side of the fireplace. Seal all joints between the black fireplace face and the wall covering with a heat-resistant material such as rock wool insulation or mortar. Be sure to use high temperature adhesive or mortar when anchoring brick, stone or tile to the face of the fireplace. Check to see whether man-made brick and stone are made of noncombustible materials before using them on the face of the fireplace. Some of these products contain combustible materials. Combustible wall coverings

such as paneling or wallboard may not overlap the black face of the fireplace. The space between the wall covering and the fireplace should be sealed with a heat-resistant material such as rock wool insulation or mortar. If covering the dace with a noncombustible, use the flush panel kit. Do not place facing material directly over the louvered openings.

NOTE: An "L" shaped steel lintel must be installed across the top of the firebox opening where facing materials such as brick or stone are used on the face of the firebox. It acts as a support/firestop. It should be attached to the face of the fireplace with screws and sealed to the fireplace with a heat-resistant sealer.

WARNING: THESE VENT FREE FIREPLACES ARE NOT TO BE USED WITH GLASS DOORS.

### SERVICING

Repair and replacement work should only be done by a qualified service person.

Always shut off the gas supply and make sure the appliance is cool before beginning any service operation. Always check for gas leaks after servicing.

### **REPAIR PARTS**

A parts list follows. Always include correct name, part number and model number of the appliance when ordering service parts.

If you desire to communicate with the factory, write to Customer Service at:

TEMCO FIREPLACE PRODUCTS, Inc. P. O. Box 1349 Manchester, TN 37349

TEMCO FIREPLACE PRODUCTS, Inc. P.O. Box 1148 Perris, CA 92572

## PARTS LIST

	39" models		45" models	
FIREPLACE PARTS	Part#	Qty.	Part #	Qty.
Firescreen rod	76397	2	76397	2
Screw for firescreen rod	68188	2	68188	2
Firescreen w/rings	72301	2	72301	2
Screen Retainer	62222	4	62222	4
Left Brick Panel	77529	1	76285	1
Right Brick Panel	77528	1	76276	1
Back Brick Panel	77530	1	76292	1

## Limited Warranty TEMCO Vent-Free Gas Fireplaces

This warranty is limited to **TEMCO** Vent-Free Gas Logs & Fireplaces (henceforth, Product) manufactured by **TEMCO** Fireplace **Products, Inc.** (henceforth, TEMCO).

#### **ONE YEAR WARRANTY**

**TEMCO** warrants all components of the Product to be free of defects in materials and workmanship for a period of one year from the date of installation, with the exception of the warranty on logs and ember base. If, by the sole determination of **TEMCO**, any component covered under this warranty is found to be defective, **TEMCO** will, at its option, repair or replace the defective component at no charge and will pay labor cost incurred as specified in the current **TEMCO** Labor Allowance Schedule, 71313. If **TEMCO** determines replacement or repair is not economically practical, **TEMCO** will, at its option, refund the purchase price of the Product. Date of installation and purchase price must be verified by acceptable proof of purchase prior to warranty action.

This warranty covers only parts and labor as provided above. In no case shall **TEMCO** be responsible for materials, components or construction which are not manufactured or supplied by **TEMCO**, or the labor necessary to install, repair or remove such materials, components or construction.

#### **FIVE YEAR WARRANTY**

**TEMCO** warrants the ceramic fiber and refractory components and burners originally packed with the product to be free of defects in material and workmanship for a period of five (5) years from the **date of installation**, with the exception of breakage. If any ceramic components or refractory components are broken, such breakage must be reported as a Warranty Claim at the time of installation. Breakage claims arising after the initial installation will not be covered under any part of this warranty. Periodic maintenance must have been performed.

#### QUALIFICATIONS

For the above warranties to apply:

The Product must be installed by a qualified installer; strictly in accordance with TEMCO installation instructions, and in compliance with local codes and ordinances. The logs must be placed strictly in accordance with the arrangement described in the installation instructions.

The Product must be operated and maintained according to the instructions furnished. Alteration of the Product in any way is prohibited and voids any and all warranties. Removal of the data plate alters the Product and voids the warranty.

The installer must have completed the Installation and Startup Checklist, a copy of which must be submitted along with proof of purchase, to obtain prior approval for warranty repair or replacement and to affect a warranty claim. The Checklist is found on pages 8 and 9 of this manual.

The limited warranty applies only to the original owner of the Product or the original owner of the dwelling in which the Product was installed. Use of any parts other than genuine factory provided replacement parts shall void this warranty.

#### Limitations

**TEMCO** is not responsible for any incidental or consequential damages caused by possible defects in the Product. The duration of any implied warranty with respect to the Product is limited to the duration of the foregoing warranties.

Some states and provinces do not allow exclusion of incidental or consequential damages or limits on the duration of implied warranties, so these limitations may not apply to you.

#### **Warranty Fulfillment**

Claims require specific agreement and consent from TEMCO Technical Services prior to performing any warranty repair or replacement. TEMCO reserves the right to investigate any and all warranty claims. The appliance must not be removed prior to such investigation other than on direction from TEMCO.

Please provide the following information when communicating with **TEMCO** Technical Services, its Dealers or Distributors regarding service under this warranty.

Model Number:	Serial Number:	
Date of Installation:	 Purchased From:	

**TEMCO** reserves the right to decide on the method of settlement (if any). This limited warranty is given in lieu of any other expressed or implied warranty, and supersedes all other **TEMCO** Product warranties.

## TEMCO GAS LOGS & FIREPLACES INSTALLATION AND STARTUP CHECKLIST

### **Customer Copy**

NOTE: **TEMCO** gas logs and fireplaces require installation by a qualified gas appliance installer. A copy of this checklist must be submitted, along with proof of purchase, when applying to Technical Services for prior written approval of warranty repair or replacement.

AII	Vent	-Free Gas Fireplaces and Logs
		Read and understand installation instructions before attempting installation.
		Assure that the model to be installed is of the CORRECT FUEL TYPE. Check markings on the shipping container (Model#s ending in "N" are natural gas products; model#s ending in "P" are LP gas products.), tags on the burner assembly, and color of the ODS safety pilot tube.
		(Aluminum for natural gas; brass for LP gas)
		Notes: REGULATORS ARE NOT FIELD-ADJUSTABLE. ANY ATTEMPT TO ADJUST VOIDS THIS WARRANTY.
		In order to ensure adequate combustion air, make sure that the model being installed has the appropriate heating capacity for the unconfined space available. Allow a minimum of 50 cubic feet of unconfined space per 1000 BTU's for all gas appliances.
LP		Assure that gas line size is adequate for the model's input rating (BTU's per hour), the length of run form the meter or second stage regulator to the farthest gas appliance, and other gas appliances on the system. A drip leg or sediment trap is required. models require a minimum tank size of 120 gallons water capacity and two stage regulation.
		Assure that installation meets local codes and ordinances.
		Assure that there are no fans or blowers in the fireplace area.
		Check for leaks before lighting.
		Using a manometer, verify proper gas pressure at the manifold with unit at maximum setting and other appliances operating.
		inlet pressure: (ins. wc) manifold pressure: (ins. wc)
	1	Verify proper ignition of ODS and front and rear burners, as well as proper appearance of flames.
		Verify that ceramic fiber and refractory components are properly positioned and secure. (Rear burner must not contact logs.)
		Verify adequate clearance to mantels and other combustibles.
		Demonstrate correct operation of the product to the consumer. Note: LP models must not be operated if fuel tank is less than 1/4 full.
	Ц	Observe the consumer operating the product properly.
	Ш	Explain and demonstrate proper periodic maintenance.
	Ц	Explain that operation with logs positioned other than as described in the manual voids the warranty and will cause p o o combustion and sooting.
	Ш	Verify the consumer's understanding that warranty service work that is not pre-approved by the manufacturer's Technical Service Department (other than routine maintenance) may not qualify for reimbursement.
	Ш	Answer any questions the consumer may have about <b>TEMCO</b> vent-free products.
Ver	nt <u>-Fr</u>	ee Gas Logs Only
		Verify that the fireplace in which the logs are to be installed is either a solid-fuel burning fireplace (either factory-built $\sigma$ masonry) with a working flue system connected to it or an approved vent-free firebox.
		Verify that the fireplace has been thoroughly cleaned by a professional chimney sweep. If solvents have been used to clean the hearth, they must be allowed to evaporate before proceeding with installation.
	H	Check firebox dimensions for adequate height, width, and depth.
	H	Verify that the grate assembly is attached to the firebox floor.
	H	Verify that any ash dump or outside air inlets are permanently sealed to avoid drafts within the firebox.
	H	Verify that no additional logs, ornaments, or non-approved blower devices have been added.
	H	Repair any broken or damaged logs prior to operation.
	H	Check mantel clearances and verify installation of canopy if necessary.
	ш	Glass doors must be removed or opened completely during operation of logs.
Ple	ase	sign below that checklist has been completed and understood. DATE INSTALLED/
	talle	r Phone Consumer Phone

## TEMCO GAS LOGS & FIREPLACES INSTALLATION AND STARTUP CHECKLIST

### **Installer's Copy**

NOTE: **TEMCO** gas logs and fireplaces require installation by a qualified gas appliance installer. A copy of this checklist must be submitted, along with proof of purchase, when applying to Technical Services for prior written approval of warranty repair or replacement.

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		(Aluminum for natural gas; brass for LP gas)
		Notes: REGULATORS ARE NOT FIELD-ADJUSTABLE. ANY ATTEMPT TO ADJUST VOIDS THIS WARRANTY.
		In order to ensure adequate combustion air, make sure that the model being installed has the appropriate heating capacity for the unconfined space available. Allow a minimum of 50 cubic feet of unconfined space per 1000 BTU's for all gas appliances.
LP		Assure that gas line size is adequate for the model's input rating (BTU's per hour), the length of run form the meter or second stage regulator to the farthest gas appliance, and other gas appliances on the system. A drip leg or sediment trap is required. models require a minimum tank size of 120 gallons water capacity and two stage regulation.
		Assure that installation meets local codes and ordinances.
		Assure that there are no fans or blowers in the fireplace area.
		Check for leaks before lighting.
		Using a manometer, verify proper gas pressure at the manifold with unit at maximum setting and other appliances operating.
		inlet pressure: (ins. wc) manifold pressure: (ins. wc)
	-11	Verify proper ignition of ODS and front and rear burners, as well as proper appearance of flames.
		Verify that ceramic fiber and refractory components are properly positioned and secure. (Rear burner must not contact logs.)
		Verify adequate clearance to mantels and other combustibles.
		Demonstrate correct operation of the product to the consumer. Note: LP models must not be operated if fuel tank is less than 1/4 full.
	Ц	Observe the consumer operating the product properly.
	Ш	Explain and demonstrate proper periodic maintenance.
		Explain that operation with logs positioned other than as described in the manual voids the warranty and will cause p o o r combustion and sooting.
		Verify the consumer's understanding that warranty service work that is not pre-approved by the manufacturer's Technical Service Department (other than routine maintenance) may not qualify for reimbursement.
	Ш	Answer any questions the consumer may have about <b>TEMCO</b> vent-free products.
Ver	nt <u>-Fr</u> e	ee Gas Logs Only
		Verify that the fireplace in which the logs are to be installed is either a solid-fuel burning fireplace (either factory-built $\sigma$ masonry) with a working flue system connected to it or an approved vent-free firebox.
		Verify that the fireplace has been thoroughly cleaned by a professional chimney sweep. If solvents have been used to clean the hearth, they must be allowed to evaporate before proceeding with installation.
	H	Check firebox dimensions for adequate height, width, and depth.
	H	Verify that the grate assembly is attached to the firebox floor.
	H	Verify that any ash dump or outside air inlets are permanently sealed to avoid drafts within the firebox.
	H	Verify that no additional logs, ornaments, or non-approved blower devices have been added.
	H	Repair any broken or damaged logs prior to operation.
	Ħ	Check mantel clearances and verify installation of canopy if necessary.
	ш	Glass doors must be removed or opened completely during operation of logs.
Ple	ase	sign below that checklist has been completed and understood. DATE INSTALLED/
Ins	talle	Phone Consumer Phone

#### **CUSTOMER COPY**

Model #	Serial
I certify that I have followed all codes ar completed the proper installation and st	nd regulations and adhered to the TEMCO installation instructions. I have cartup checklist.
Installers Signature	Print Installer's Name
PurchaserAddressPhoneAddressPhoneDate of Purchase	Please Answer the Following Questions (Check Box):  1. Type of Home Single Family Duplex Apt. Mobile Home Cabin/Vacation 2. Installed in (Room) Living Family Great Rec Bedroom
To register your warranty, please provid	PLEASE CUT ALONG DOTTED LINE  de the information indicated on this form and mail it to:  TEMCO Fireplace Products, Inc.  301 Perimeter Park Drive
	Suite 227
Model #	Nashville, TN 37211
#	
I certify that I have followed all codes as completed the proper installation and st	nd regulations and adhered to the TEMCO installation instructions. I have tartup checklist.
Installers Signature	Print Installer's Name