



Koker Direct Vent with Thermostat

Operating instructions and maintenance enclosed
Thoroughly read and understand instructions
Always leave this manual with stove owner

Follow the instructions within this manual. If instructions are not followed, a fire may result causing property damage, personal injury, or even death.

A carbon monoxide detector has been supplied with your stove. You must plug it in.

Danger risk of fire or explosion. Do not burn garbage, gasoline, drain oil, or other flammable liquids. Do not use chemicals or fluids to start fire.

Burn rice or buckwheat anthracite coal only

Stoves surfaces may be hot while in operation. Keep children away. Do not touch during operation

Do not connect this unit to a chimney flue serving another appliance.

Follow all local building and Zoning ordinances

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

1. Safety inspection of a venting system should be performed before and after installing your new stove. Procedures to follow are those recommended by National Fuel Gas Code, ANSI Z223.1 or refer to local codes or ordinances.
2. Plan the vent system layout before installation to avoid possibility of accidental contact with concealed wiring or plumbing inside walls.
3. Select a position on a solid level surface. On non-masonry floors, use an approved fireproof protector under stove. Maintain **16"** clearance from side of stove to combustibles. Maintain **6"** clearance from **4"** pipe to combustible. Clearance from **6"** black wall pass thru pipe is **0"** to combustibles.
4. Plumb hopper end of stove with level. Mount hopper in place and fasten securely. Reach down into bottom of inside hopper and bend flange of hopper into throat of stoker.
5. After determining location of stove, (if you are going through a frame wall) cut a hole through exterior wall slightly larger than the 6" black pipe. Put stove into position to determine stove pipe length needed to have **at least 6"** of pipe extending past exterior wall.
6. From outside of home, insert 4" stainless steel pipe through opening in wall, ... through #5 blank plate and through #4 (which is the 6" cap with 4" hole)... and slide pipe over exhaust air tube. Secure with screw. Seal pipe with high temperature silicone or equivalent. Secure #7 screened plate to outside wall. See page #9.
7. It is not necessary to use 6" black pipe if 4" pipe is going through a non-combustible wall, such as concrete or block. No barometric draft control is required
8. On outside of home, place 4" stainless steel tee on exhaust pipe. Place 4" stainless steel rain cap on top of 4" tee. Secure with screws. Leave bottom of stainless tee open.
9. Depending on location of exhaust venting to outdoors, varying draft and wind conditions may cause occasional tripping of reset button, causing fire to go out.
10. Draft and air intake settings are preset at factory and it is usually not necessary to change for installation going straight out through the wall. It is still recommended to check draft settings with draft gauge after starting fire.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

- 11.If extra stove pipe must be added inside home to achieve necessary height to go above outside grade level,(**you must seal every joint in all stove pipe if your using swiveling elbows you must seal each joint with high temperature silicone**)it may be necessary to adjust combustion air intake shutter located on combustion motor, to achieve proper draft setting of **-.02**
- 12.The continuous running of exhaust fan is necessary to expel fumes from stove to outside of home, eliminating the need for a chimney.
- 13.Timer **MUST** be mounted on the side of coal hopper or on rear of coal hopper.
DO NOT MOUNT TIMER ON STOVE BODY.
- 14.On all TOP VENT DIRECT VENT models, the wire to exhaust motor may not be allowed to come into contact with stove body. This would cause damage to electrical wires.
- 15.Locate thermostat in an area where heat from stove can freely be reached. Mount plastic wall plate of thermostat on a wall, according to instructions packed with it. Use thermostat wire (not included) to connect to terminals in RA89 relay marked T.T. (note: color coding is of thermostat wires is unimportant.
- 16.Install duct work according to diagram pg 9 & 10.
- 17.Plug power cord into 115 volt outlet. Start fire. **USE DRY RICE COAL ONLY.**

It is recommended to keep hopper at least half full of rice coal at all times. To start a fire, fill hopper with coal, reach through fire door and pull coal down to cover entire grate area. Place kindling (charcoal supplied) into a full sheet of newspaper, crumble paper and dig kindling deep into coal in the center of the grate. Light newspaper with match and plug power chord into outlet. **NEVER USE GASOLINE OR LIGHTER FLUID TO START FIRE.** When kindling is burning well, place a few hands of coal onto the fire.

Note: The coal feeder adjustment nut is PRESET and may not need to be changed. If it becomes necessary to adjust coal feed, the white nut on stoker unit may be turned **CLOCKWISE** for **MORE** coal feed and **COUNTER-CLOCKWISE** for **LESS** coal feed. **NEVER USE A WRENCH ON COAL FEED ADJUSTMENT NUT (FINGERS ONLY)**

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

CHECK DRAFT- After starting a fire and a good fire is established, the chimney will be warm enough to check draft. Insert draft gauge into predrilled hole, located in the side of the ash door frame. The draft range should not go lower than -.02, nor above -.03. The air shutter on combustion motor and/or the barometric damper on stove pipe may be used to obtain proper draft readings.

If draft goes above -.03 adjust barometric damper to open a little wider.

If draft goes below -.02 close air shutter on combustion motor.

When stoker unit is running to satisfy thermostat, you should have a full grate of fire, except for the bottom 2" of grate. The lower part of the grate should have ash covering it.

When thermostat is satisfied, the gear motor will not run continuously, gear motor will only run intermittently. During the time when thermostat does not call for heat, the timer will turn feed motor on to maintain a small fire approximately 2" in length. Settings of timer may be adjusted.

To increase size of fire bed or to reduce coal feed, adjust white nut (coal feed adjustment nut). To start another fire, it is not necessary to adjust coal feed. Some smoke may be visible when starting a fresh fire, but should not persist.

After a fire has been established and the stove is warmed up, a draft reading should now be taken. Use pre-drilled hole on side of ash door frame and insert draft gauge. Draft gauge should read between -.02 to -.04. The combustion air shutter is preset at factory. If any further adjustment is needed to obtain proper draft reading . . . slide adjusting rod (located in rear of venter) in or out to obtain proper draft. Secure adjustment rod with set screw.

- **CAUTION**: Failure to install, maintain, and/or operate the venting system in accordance with manufactures instructions could result in conditions which may produce injury and/or property damage.

The stove is equipped with a safety fume switch. If hot coal gases are not vented outdoors, the safety switch will trip out on reset, which will shut off stoker unit. The fire will go out and cannot be restarted until reset button on safety switch cools down. Then the button must be manually reset. If safety switch trips out frequently, it may be caused by:

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

1. Restricted or blocked vent tube between stove and exhaust fan. SOLUTION: Pull power plug from receptacle, remove ash pan, and using brush supplied with stove, reach brush into exhaust pipe. Move brush in a circular motion to clean pipe and exhaust area. Plug power cord back in.
2. Restrict or blocked exhaust pipe from stove to outside of home. SOLUTION: Clean exhaust pipe.
3. Accumulation of dust on exhaust fan blade. SOLUTION: remove screws on motor mounting bracket and thoroughly clean fan blades on exhaust motor.
4. Extreme windy conditions outside of home blowing against exhaust air.
5. Safety switch defective. SOLUTION: Replace safety switch.

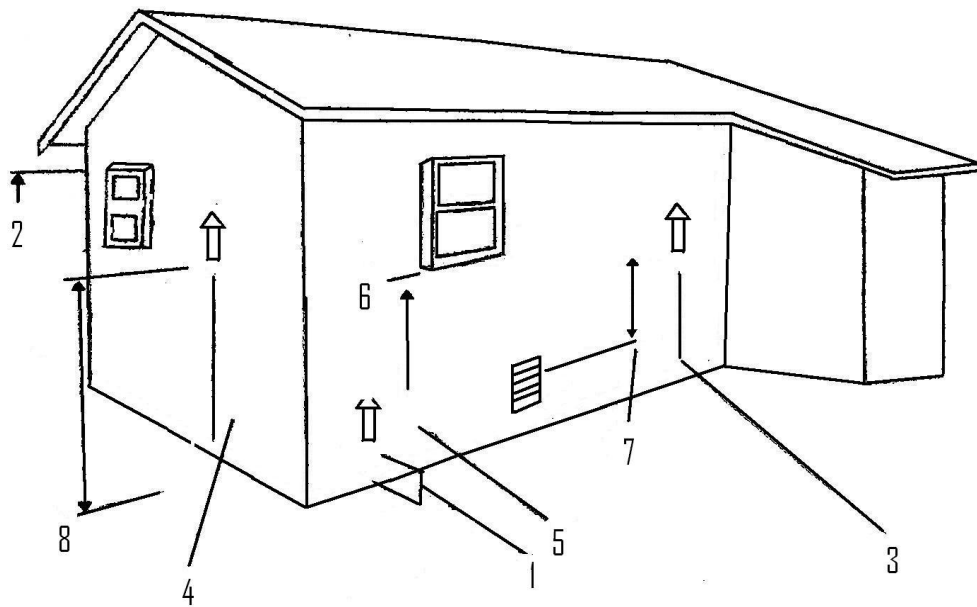
Do not allow ashes to overflow out of ash pan, this can cause blockage in exhaust system causing safety switch to trip, resulting in loss of fire. Blockage will have to be cleared before pushing reset button and re-starting fire.

VENT TERMINATOR LOCATION

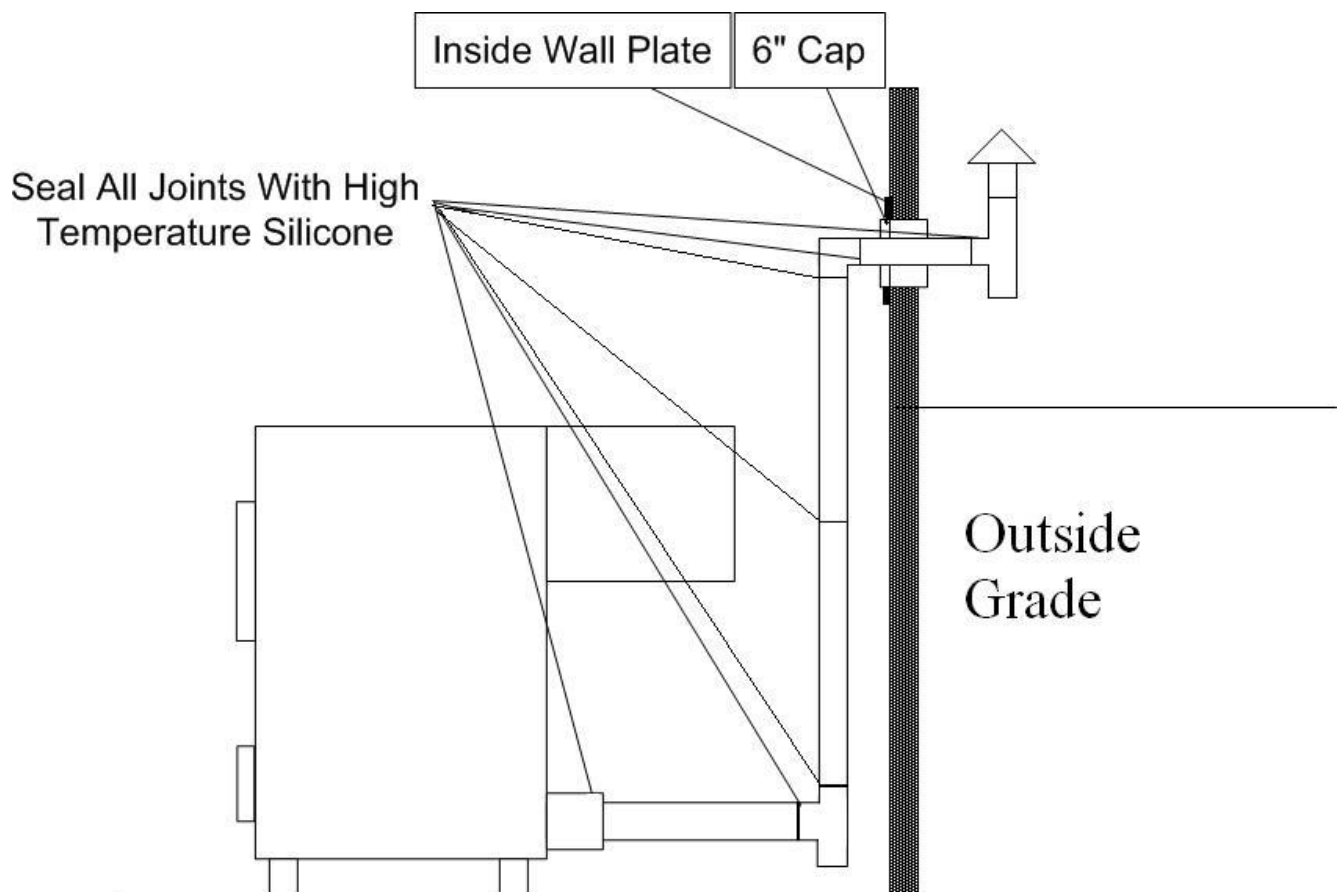
VENT TERMINATOR MAY NOT BE LOCATED

1. Less than 1 foot above grade.
2. Above or within 3 feet horizontally of oil tank or gas meter.
3. Closer than 3 feet to inside corner of home.
4. Closer than 1 foot from any opening that gasses could re-enter home.
5. Less than 4 feet below windows.
6. Less than 1 foot horizontally of door or window.
7. Less than 3 feet above any forced air inlet located within 10 feet.
8. Less than 7 feet above grade when adjacent to public walkways.

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When it is necessary to run exhaust pipe up an inside wall, **you must seal every pipe joint and if your using swiveling elbows every joint must be sealed with high temperature silicone.**



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

Draft Port, It might be necessary to clean draft port (Located inside exhaust outlet) every several weeks to keep the stove from tripping out on safety reset. Using brush (furnished with stove) remove ash pan, reach into 6 inch exhaust pipe, and by using a swirling or circular motion, remove dust (bottom vent only). Top vent, remove cleanout plate on venter.

A tee or elbow may be used at this location. A tee will prevent any dust from accumulation during heating season.

CLEANING AND LUBRICATION- Stove pipe and exhaust tubes must be cleaned once during the heating season. On top exhaust stoves, brush exhaust tubes out with a flexible brush. Keep base and interior floor of stove clean by regular brushing or vacuuming, especially at the base of openings below interior exhaust tubes. Clean under grates annually by removing combustion motor and vacuuming under grates or you may remove the bolt holding the grates and then remove the grate and proceed to vacuum. Grates must be then **re-cemented** back into their place. Upper portion of grates must be sealed (air tight) with furnace cement, from the upper portion of the grate (close to hopper) down to where the 1/8" holes are drilled in grates.

Lubricate combustion motor and convection fan motor with a light grade of regular motor oil.

Oil fire door and ash door hinges. Oil fire door and ash door handles to prevent freeze up over summer.

To minimize corrosion of stove accessories, it is important to clean stove thoroughly at the end of heating season. Completely remove all coal from hopper. Remove and clean stove pipe. Check chimney and base of chimney for obstructions or blockage. Clean under grate. Spray an anti-seizing agent on both sides and top of pusher bar to prevent pusher bar freeze up during summer.

The following instructions are meant to serve as guidelines for proper cleaning and care of **ROBAX** glass ceramic windows.

ALL cleaning procedures should be done at room temperature **CLEANING OF HOT GLASS SHOULD BE AVOIDED**. Cleaning solutions applied to hot glass may dry before cleaning agent is removed, which may result in creating a film or deposit that can react with combustion by products. Dried on cleaning solution may react with surface causing discoloration or a permanent film. If white deposits are found to be on the surface of glass, these should be scraped off using a sharp bladed scrapper and wiped away with a dry cloth prior to any wet cleaning. Scrapping should be done at a low angle below 30 degrees.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

Although glass is extremely hard and very scratch resistant, it is not scratch proof. The use of abrasive cleaners (i.e., any cleaners containing grit) and scouring pads (i.e., steel wool, plastic with embedded grit) should be strictly avoided.

Soft cloths should be used for all cleaning steps. The cloths should be free of any abrasive agents from any previous use.

Dried on cleaning solutions may react with glass surface causing discoloration or a permanent film.

While **ROBAX** glass is the best glass for use on anthracite burning coal stove, the manufacturer of the glass offers no warranty.

When cleaning glass, first turn down thermostat.

Maintenance

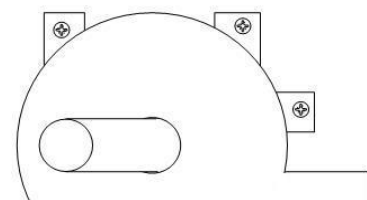
1. **Motor:** Inspect and oil motor at least once a year, motor should rotate freely
2. **Wheel:** Inspect venter and exhaust wheel at least once a year to thoroughly clean soot, ash, dust or any coating which may inhibit either rotation or air flow
3. **Vent System:** Inspect all vent connections at least once a year for looseness, evidence of corrosion and for flue gas leakage. Replace seal or tighten pipe as necessary.

It may be necessary to clean exhaust system and stove pipe during heating season. We recommend cleaning exhaust system monthly. Remove hanging baffle above 6 inch exhaust outlet inside stove (bottom vent only). Brush pipe in circular motion and vacuum stove pipe. To clean exhaust motor and radial fan blade, remove 4 screws on mounting bracket of exhaust fan and clean fan housing.

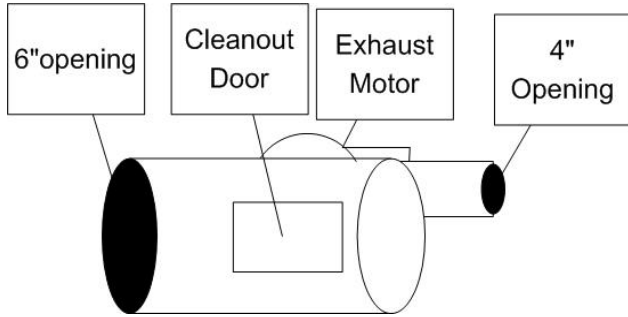
During annual maintenance, the ½ tube on safety fume switch must be cleaned out by vacuuming or by using a small brush. Vacuum or brush from inside of stove.

It is most important to perform the annual maintenance at the end of heating season. Residue left on the fan blade and exhaust system may cause rapid deterioration during nonuse.

Remove 4 screws to clean blades and housing

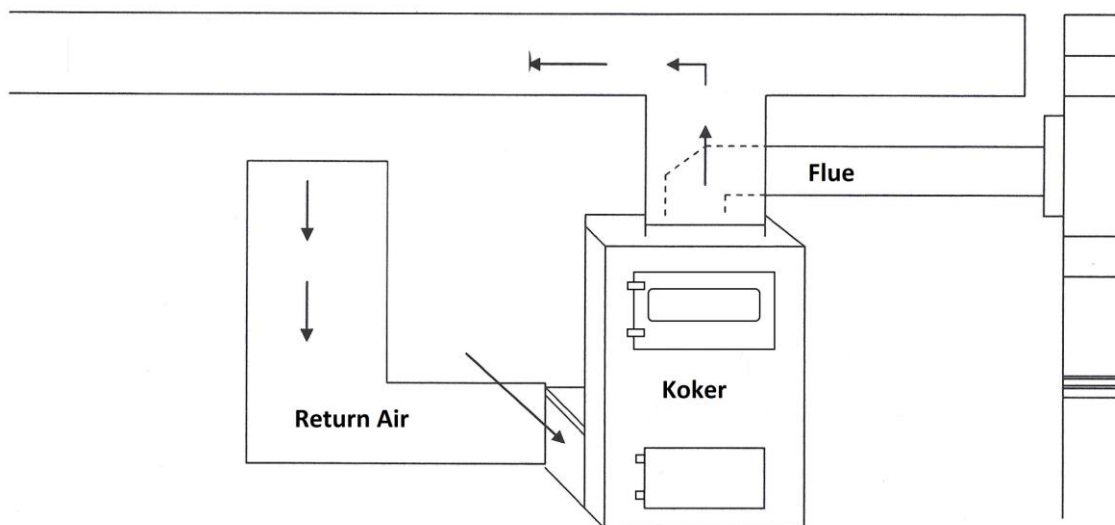
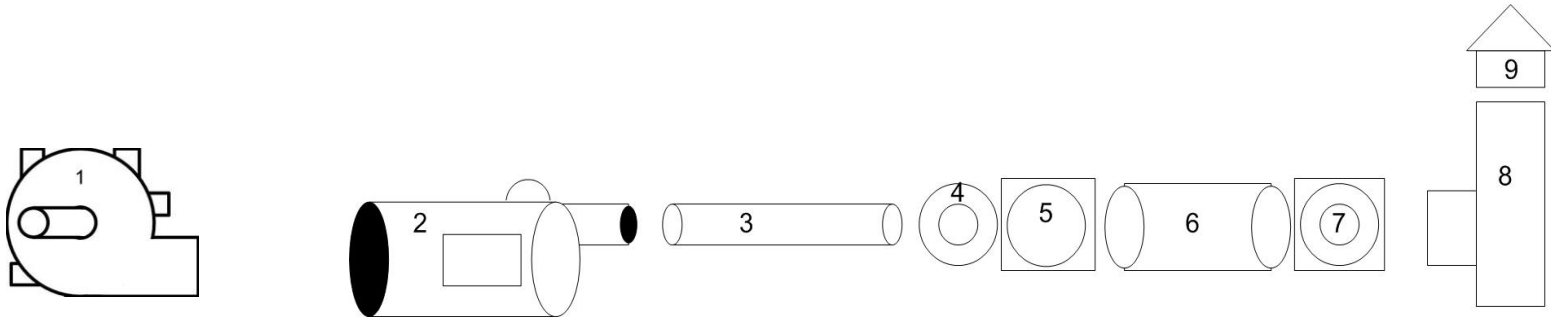


KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

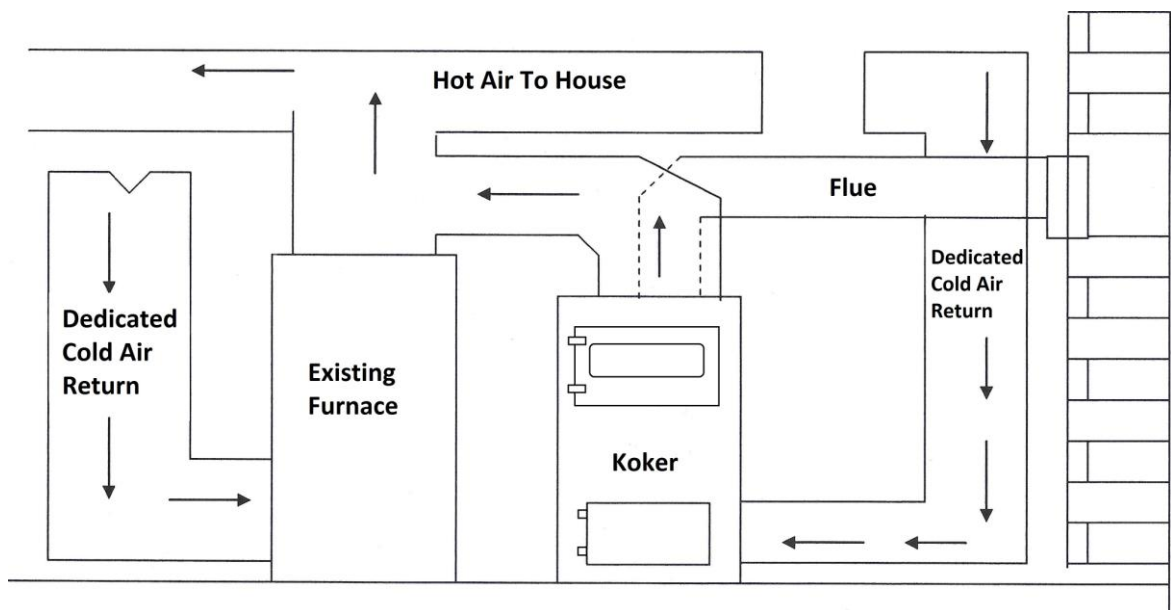
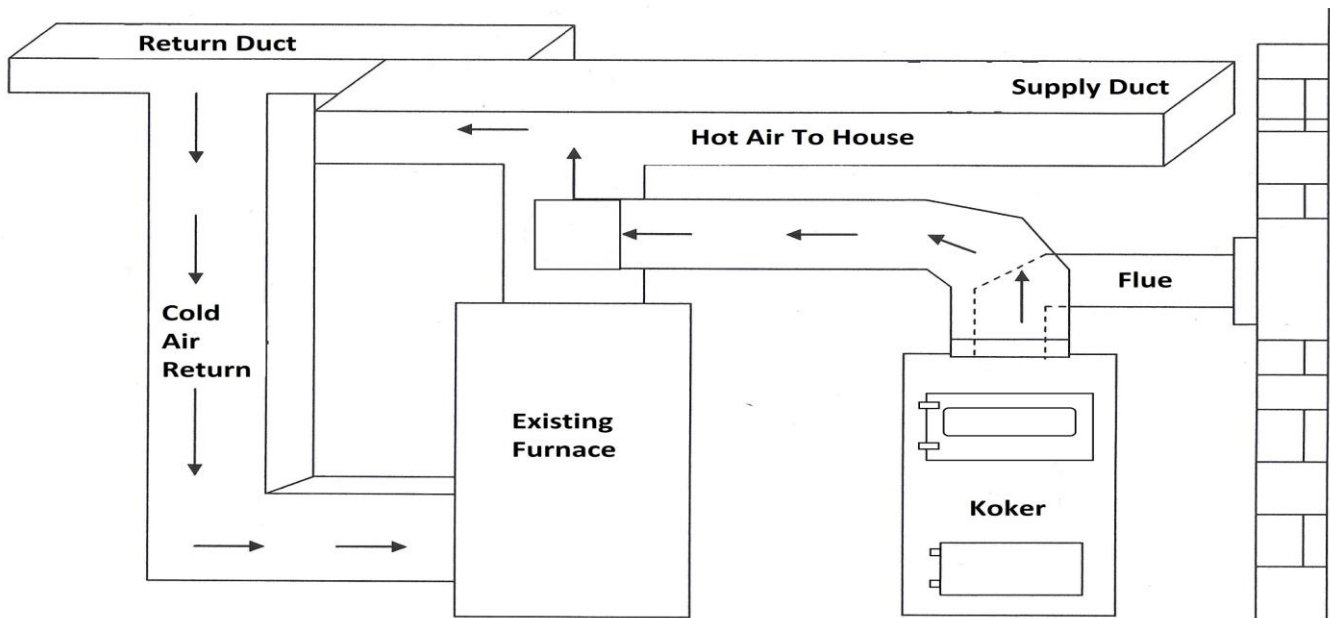
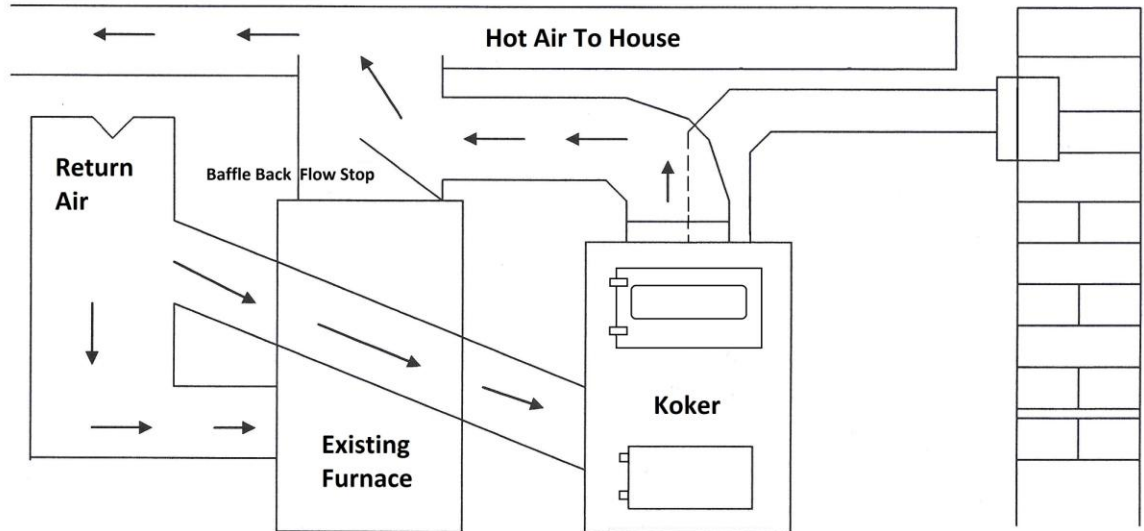


Direct Vent Completion Kit

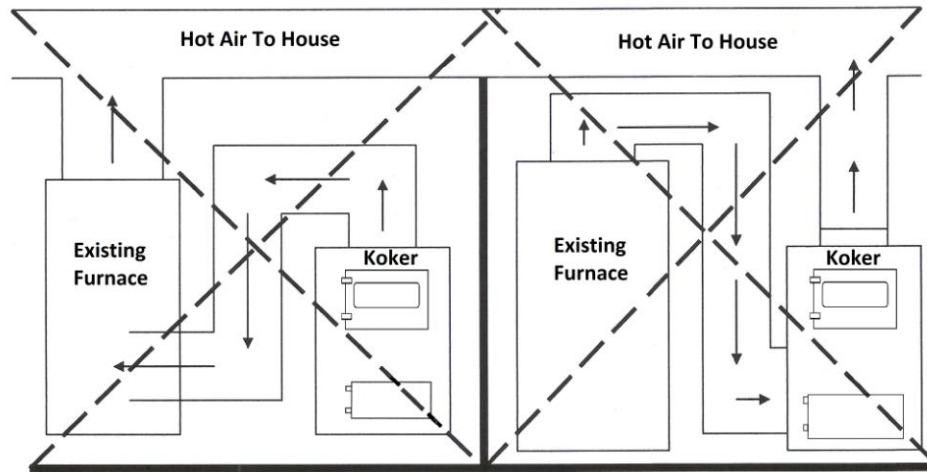
- | | |
|--------------------------------|-------------------------------|
| 1. Exhaust motor | 6. 6 inch 24 gauge black pipe |
| 2. Exhaust system | 7. Outside Plate |
| 3. 4 inch stainless steel pipe | 8. 4 inch Tee |
| 4. 6 inch cap | 9. 4 inch Chimney cap |
| 5. Inside plate | |



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS



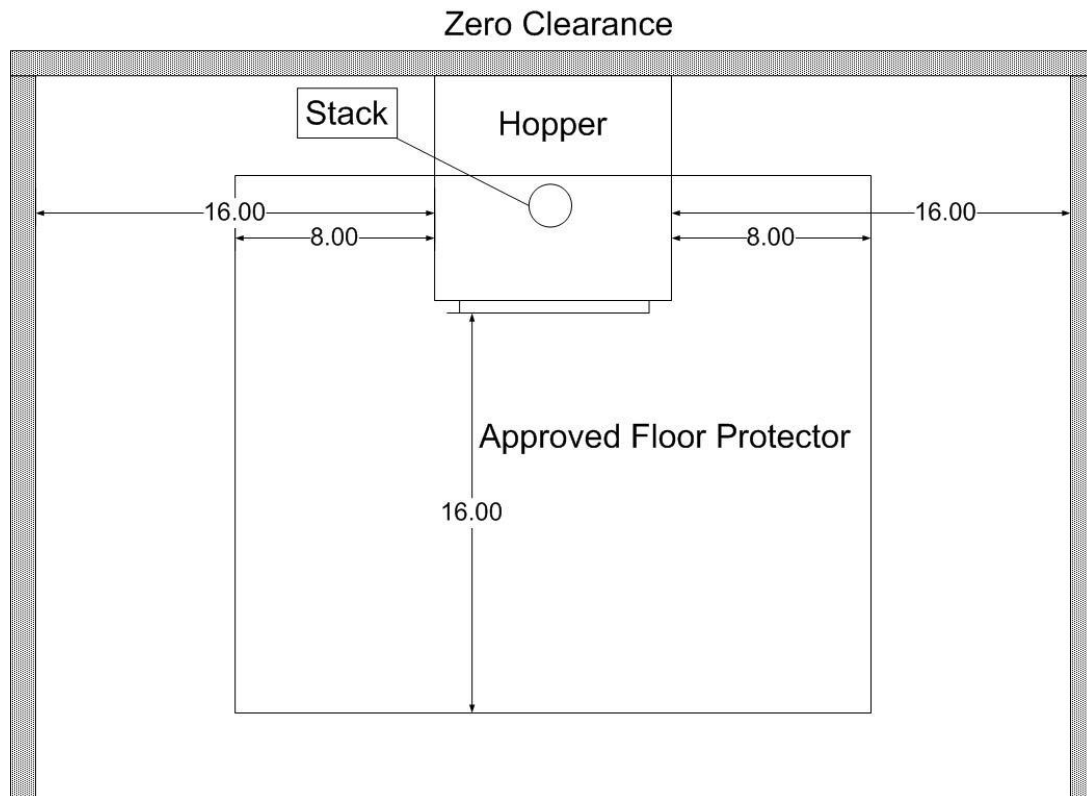
KOKER DIRECT VENT INSTALLATION INSTRUCTIONS



Tested 9/89 to ANSI/UL 1482, CSA B366-m1979 & ETLM 78-1

Chimney Type: Minimum 6 inch diameter approved low heat residential type all fuel.

Chimney connector: 6 inch diameter 24 gauge blue or black steel. Install at least 18 inches from ceiling special methods are required when passing through a wall or ceiling



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

DIAGRAM (1)

Shows what fire should look like when thermostat calls for heat for extended period:

- A. Unburned fresh coal supply from coal hopper
- B. Burning Coals
- C. Ash on lower end of grate (around 2")

The actual length of burning coals will vary as heat demand increases or decreases. If burning coals fall off grate, reduce coal feed by turning white adjustment nut in a counter clock-wise direction 1 or 2 full turns. Wait at least 1 hour before making any more adjustments.

When thermostat is calling for heat, the gear motor will be in continuous run, but if the fire bed remains small, increase the coal feed by turning white adjustment nut clock-wise.

Under normal draft conditions, when fire bed has reached its maximum length (with 2" of ash) flames should be touching top of interior stove plate. If flame is not reaching top of stove:

- A. Fire bed may be too thick.
Reduce coal feed.
Hopper end of stove is not plumb.
Burrs may be stuck on grate, scrape grate until it is smooth.
Not enough air flow, adjust air intake shutter on combustion motor (see check draft).

DIAGRAM (2)

Show what fire size should look like when thermostat has not called for heat for extended periods:

- A. Unburned fresh coal supply from hopper.
- B. Burning coal (about 1-1 ½" to 2") (low flames).
- C. Ash on lower end of grate

Diagram 1

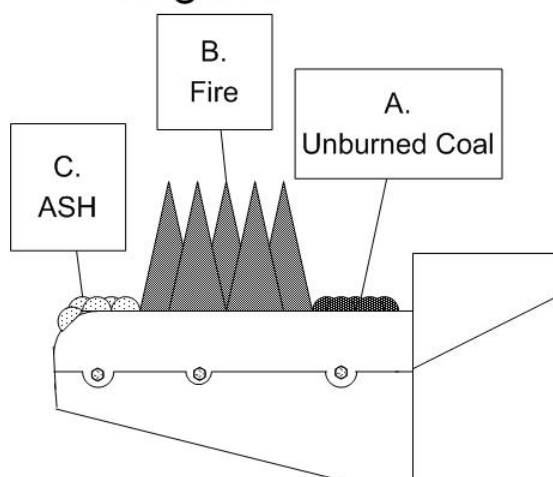
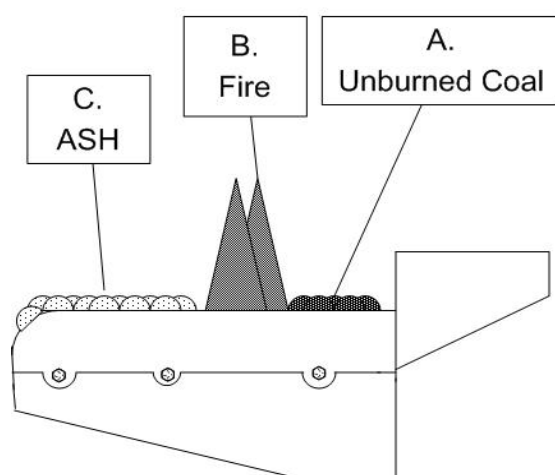
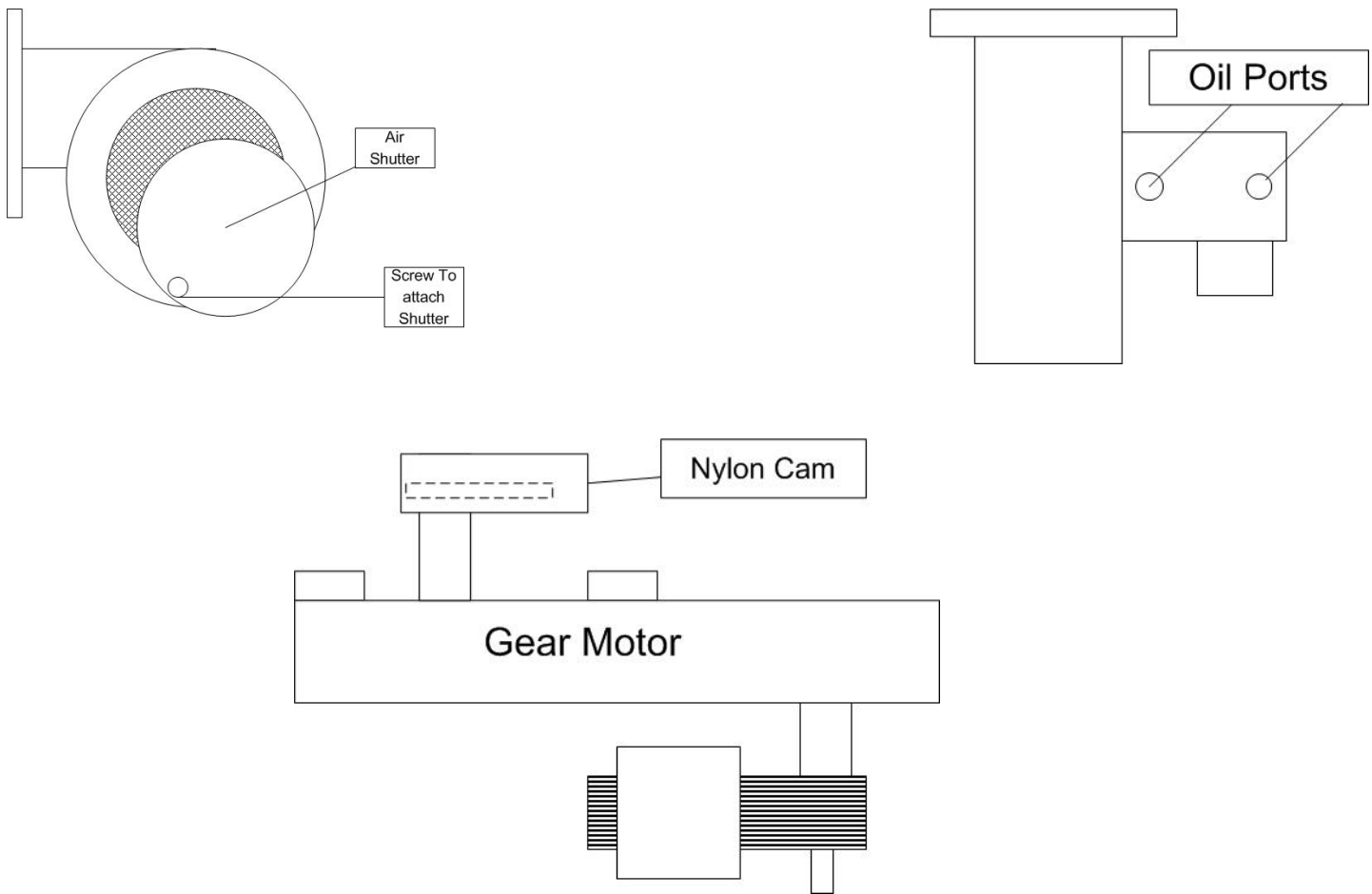


Diagram 2



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS



GEAR MOTOR: The drive shaft turns approximately 1RPM. The nylon cam on drive shaft will, when moving inward, force coal from hopper onto grate. When withdrawing, will allow coal to fall in front of pusher bar for preparation of next inward stroke. The gear motor will only run when activated by a call for heat from thermostat or when timer turns it on.

COMBUSTION MOTOR: Combustion motor will run all the time to force air through holes in grate to burn coal hotter. The constant running of motor will assure the maximum amount of heat is gained and will aid in a more complete burning of coal. The motor has an adjustable air shutter for regulating air flow through fire.

PUSHER BAR: Moves in a reciprocating motion. Activated by cam on gear motor to force coal from hopper onto grate. Also pushes ashes off grate into ash pan. Length of stroke is adjustable by turning white coal feed adjustment nut.

WHITE COAL FEED ADJUSTMENT: Turn clockwise for more coal feed, Turn counterclockwise for less coal feed.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

NYLON ADJUSTING SCREWS: To eliminate metal on metal contact. There are 8 nylon screws on the pusher bar, 4 on each side. The 4 nylon screws pictured on diagram are used to adjust the amount of sideward movement of pusher bar. When nylon screws are properly aligned, the pusher bar will slide in and out freely and have only a slight sideward movement.

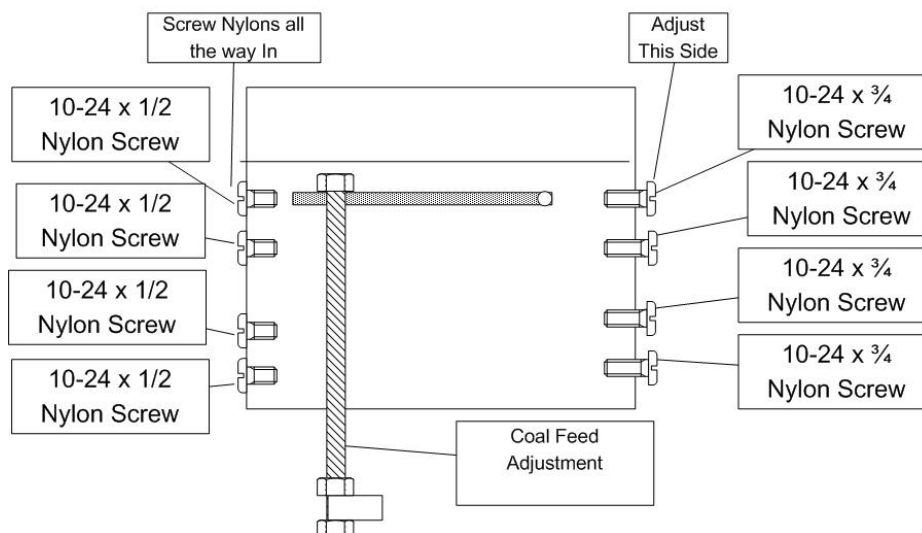
Nylon cam: located on gear motor. To give reciprocating motion to pusher bar shown on next page

AIR INTAKE ADJUSTMENT SHUTTER: adjusts amount of air flow through fire. Shown on next page

GEAR MOTOR: The drive shaft turns approximately 1RPM. The nylon cam on drive shaft will, when moving inward, force coal from hopper onto grate. When withdrawing, will allow coal to fall in front of pusher bar for preparation of next inward stroke. The gear motor will only run when activated by a call for heat from thermostat or when timer turns it on.

COMBUSTION MOTOR: Combustion motor will run all the time to force air through holes in grate to burn coal hotter. The constant running of motor will assure the maximum amount of heat is gained and will aid in a more complete burning of coal. The motor has an adjustable air shutter for regulating air flow through fire.

Pusher Bar



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

TIMER

Unless your stove had been a special order, it will be equipped with our patented flat grate stoker unit and a timer. The timer is shown on the next page.

The purpose of a timer is to **maintain a minimum** fire when thermostat is not calling for heat.

The timer is factory set to run 1 ½ minutes every 10 minutes. The timer activates the gear motor, which will cause the pusher bar to move in a reciprocating motion, forcing coal onto grate.

The timer has a large yellow wheel that makes 1 revolution every 30 minutes. Pins can be inserted or removed from yellow wheel. Each pin equals about 15 seconds, if needed, extra pins can be added to the present groups of pins or pins can be inserted anywhere in yellow wheel.

This section ONLY pertains to periods when thermostat is not calling for heat. If the fire goes out, you will have to add more pins to timer OR increase coal feed.

The burning coals should be the width of the grate and about 1 ½” to 2” in length. If the burning coals get any less than 1 ½” the fire may go out. SOLUTION: Increase coal feed.

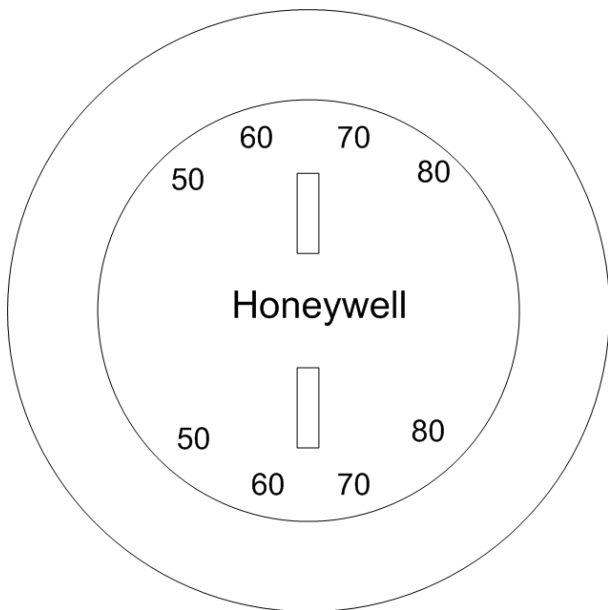
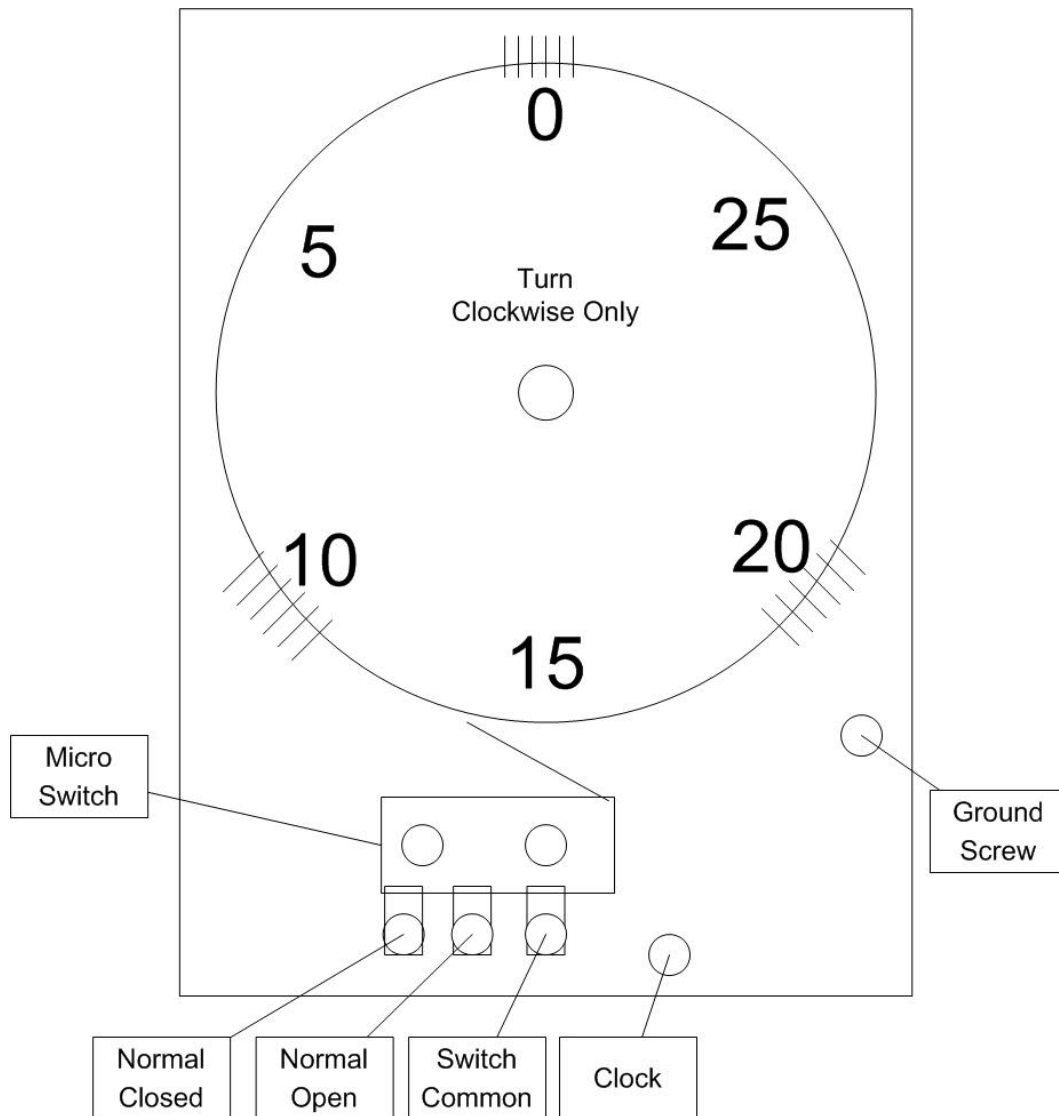
A weak draft can also cause the fire to go out, if fire appears to be very dull, add as many extra pins to timer as needed, until fire stays lit.

IF FIRE STAYS LIT, BUT STOVE IS TOO HOT

If convection blower cycles on and off often and produces too much heat, either the fire bed is too long or timer is running too long. If you reduce coal feed or remove timer pins, do not make radical changes. Reduce coal feed 1 or 2 turns OR remove 1 pin from timer. Then wait several hours before making any more reductions. A sudden radical change may be too much and cause fire to go out.

Once the coal feed and timer are set and fire stays lit, without convection blower running too much, it is usually not necessary to make any more changes.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

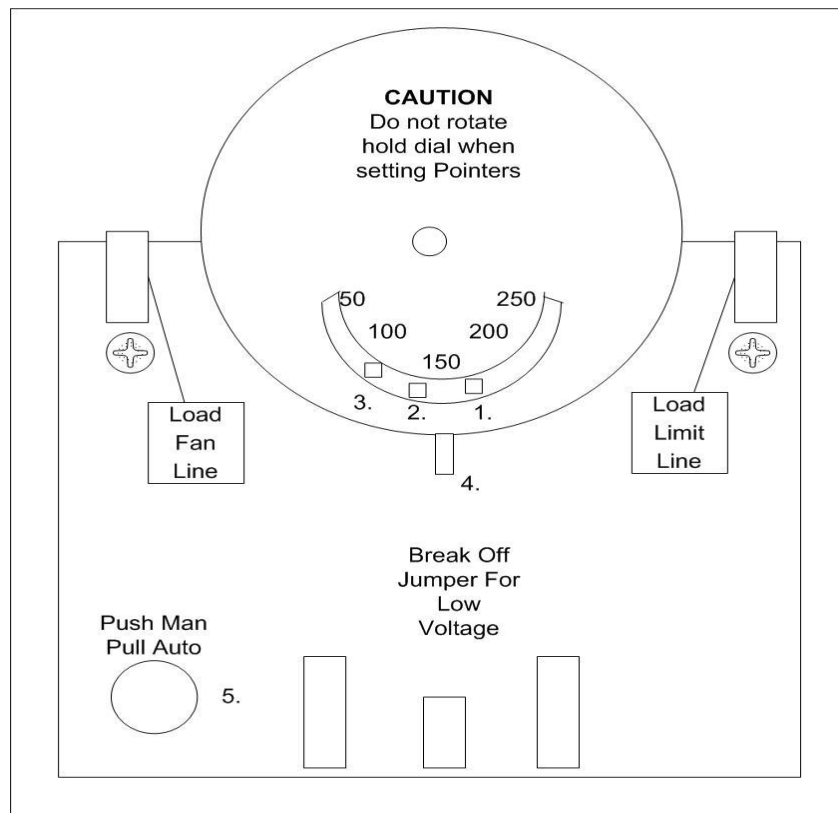


THERMOSTAT Top pointer is to be set at warmth desired in home. Bottom pointer is the present temperature in room. When room temperature (bottom pointer) falls below desired room temperature, (top pointer), this will send a signal to the Relay control to activate gear motor to push fresh coal onto grate

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

FAN LIMIT SWITCH

1. **HIGH LIMIT POINTER**-is a safety switch that stops gear motor from pushing coal onto grate at 200 degrees (If stove gets too hot, this switch will turn off gear motor).
2. **CENTER POINTER**-turns convection blower on when internal air temperature reaches this setting (normally set around 160 degrees, but is adjustable).
3. **LOW POINTER**-turns convection blower off when internal air temperature falls to this setting (normally set around 120 degrees, but is adjustable).
4. Whatever number on silver dial is directly above this point is temperature of internal air.
5. **WHITE BUTTON**-pull out for automatic operation of convection blower. Push in for constant running of convection blower.



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

RELAY-receives signal from 24V thermostat to turn on or turn off gear motor.

CONVECTION BLOWER-when running, it will take cool air from room, and force it through heated air chamber inside stove, and return heated air into room. Blower can only be activated by Fan Limit Switch.

HOW TO REMOVE OR REPLACE GEAR MOTOR

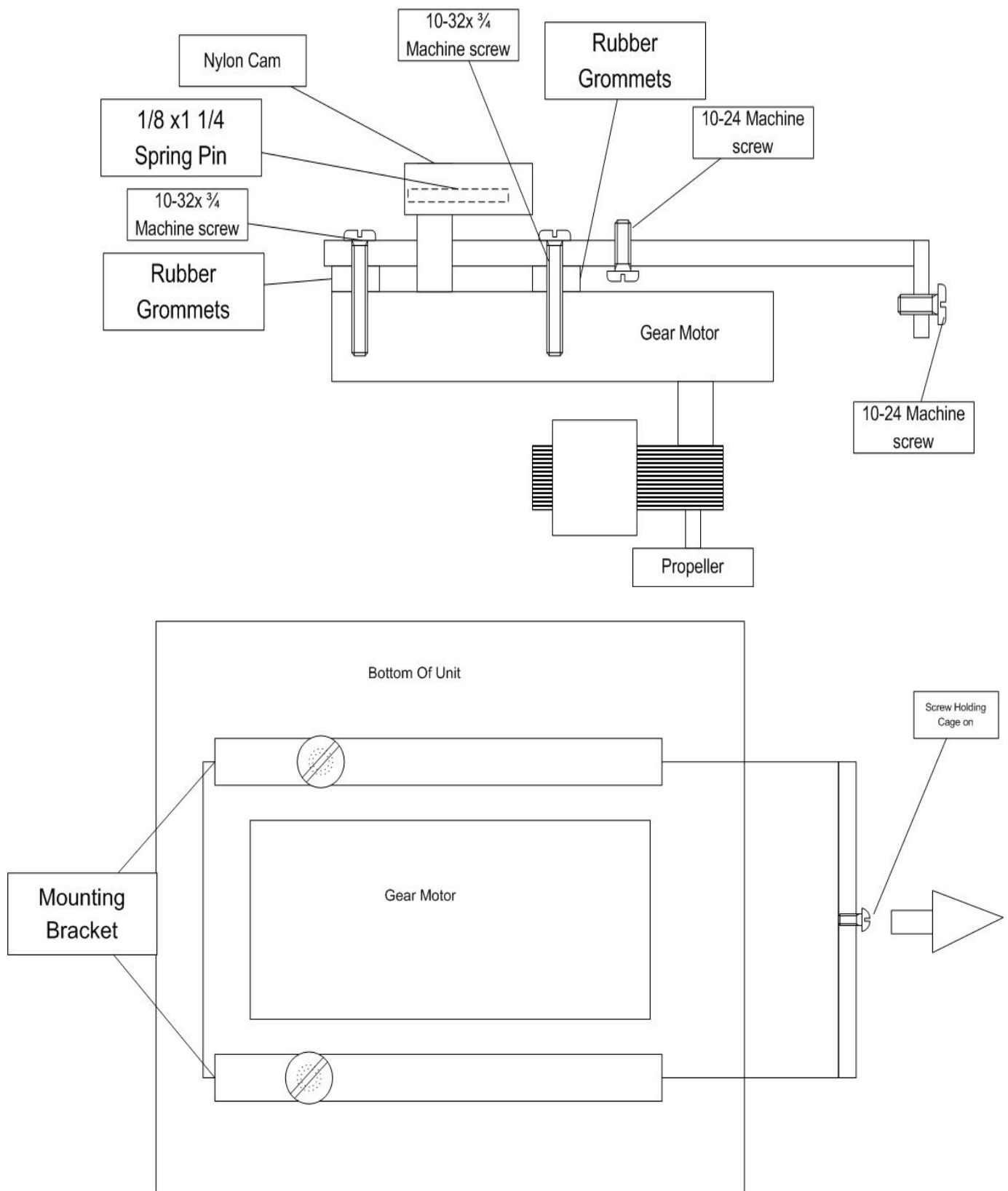
TO REMOVE GEAR MOTOR: FIRST...Pull power cord pug from 115V outlet. Remove Coal from hopper. Remove 10-24 machine screw and then remove protective cage. Disconnect both blue wire nuts marked. Remove both 10-24 machine screws from mounting bracket. Slide gear motor out of its track toward you, pusher bar will also come out with gear motor.

While pusher bar is out of its chute, clean chute area and remove any obstructions. Check nylon screws on pusher bar (2 on each side) for wear or breakage. (Replace if necessary)
Slide pusher bar in and out of chute (should move freely) check for sideward movement. Adjust nylon screws on right side to allow only a slight sideward movement.

TO REPLACE GEAR MOTOR: -remove (4) 10-32 machine screws that hold gear motor onto mounting bracket. Before removing gear motor from bracket, look at position of gear motor; install new motor in exact same position before reinstalling screws. Then reverse procedures and reinstall.

When replacing gear motor with a new one, both gear motor wires are black; either wire may go to black or white wire from power supply.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

TROUBLE SHOOTING GUIDE

FIRE GOES OUT See page 14 and 15(Timer) and Page 11 Diagram (2).

COAL KLINKERING OR FUSING TOGETHER See page 11 Diagram (1) & (2).

SULFUR SMELL see page 6 (Cleaning & Lubrication and check draft section).

STOKER UNIT DOESN'T FEED COAL See page 12 & 13 (Pusher Bar).

PUSHER BAR IS NOT MOVING STRAIGHT See page 13 (Pusher Bar).

CONVECTION BLOWER RUNS TOO OFTEN See Page 15& 16.

CONVECTION BLOWER RUNS CONSTANTLY Pull white button on Fan Limit Switch out for automatic operation. Clean screen and fan blades on blower. See page 16.

THERMOSTAT CALLS FOR HEAT, but **CONVECTION BLOWER OFF TOO LONG** See Page 13 Diagram (1)

FIRE IS LIT, BUT NOT ENOUGH HEAT

If gear motor only runs short cycles, timer is working. When thermostat calls for heat, gear motor should run steady. If gear motor is running steady, but fire is small, increase coal feed. (See pages 11 & 12).

If gear motor is not running steady, check for loose wire in Thermostat or in Relay. Check for broken thermostat wire between thermostat and Relay.

GEAR MOTOR RUNS CONSTANTLY MAKING TOO MUCH HEAT

Gear motor can only be activated by thermostat or timer. Remove thermostat wires from T.T. terminals in Relay, if gear motor shuts off, replace thermostat wire or Thermostat. Check timer to see if yellow wheel is turning, if not replace timer motor. Check timer switch. (See page 16 and 17 Timer)

CONVECTION BLOWER NOT BLOWING MUCH AIR Clean screen and fan blades on blower.

GEAR MOTOR SHUTS OFF ON HI-LIMIT

High Limit pointer in Fan Limit Switch is designated to shut gear motor off when internal air temperature reaches 200 degrees. If internal air temperature stays on 200 degrees, Convection Blower is not cooling stove off quickly enough. Clean screen and fan blades on blower or replace convection blower(or See Page 16 &17 Fan Limit Control).

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

BIG FIRE BUT NOT MUCH HEAT

Fan blades on combustion motor dirty. Brush off.

Accumulated fly ash under grate. Remove combustion motor and clean under grate.

Holes blocked in grate. Open holes with 1/8 center punch (See Page 11 Diagram (1)).

TO CLEAN UNDER OR REPLACE GRATE See Page 6 (Cleaning & Lubrication)

NYLON CAM MELTS

Under normal operating conditions, nylon cam will not melt. Melting of nylon cam can only be caused by a draft problem.

A blockage in chimney, chimney connector, stove pipe, or stove. Inspect and clean.

Or excessive draft, caused by high chimney, large flue, or high winds. Clean and adjust barometric damper. (Set barometric damper with a draft gauge to obtain a draft reading of -.02 to -.03, See Page 2 Draft Check)

TO ORDER PARTS

Find the metal 1 1/2" x 3" **Keystoker label** fastened to stoker unit body, near gear motor. The four or five digit number will be required to get proper replacement parts from your dealer.

SAFETY

THE BURNING OF ALL FOSSIL FUELS GENERATES CARBON MONOXIDE GASES. CARBON MONOXIDE GASES ARE TOXIC, CAN CAUSE SICKNESS OR BE FATAL.

To prevent toxic carbon monoxide gases from entering the home, certain precautions must be taken.

Ash tub must be emptied on a regular basis to prevent ashes from overflowing into ash pit area. Excessive ash accumulation may impede air flow to chimney, preventing gases to be drawn up chimney.

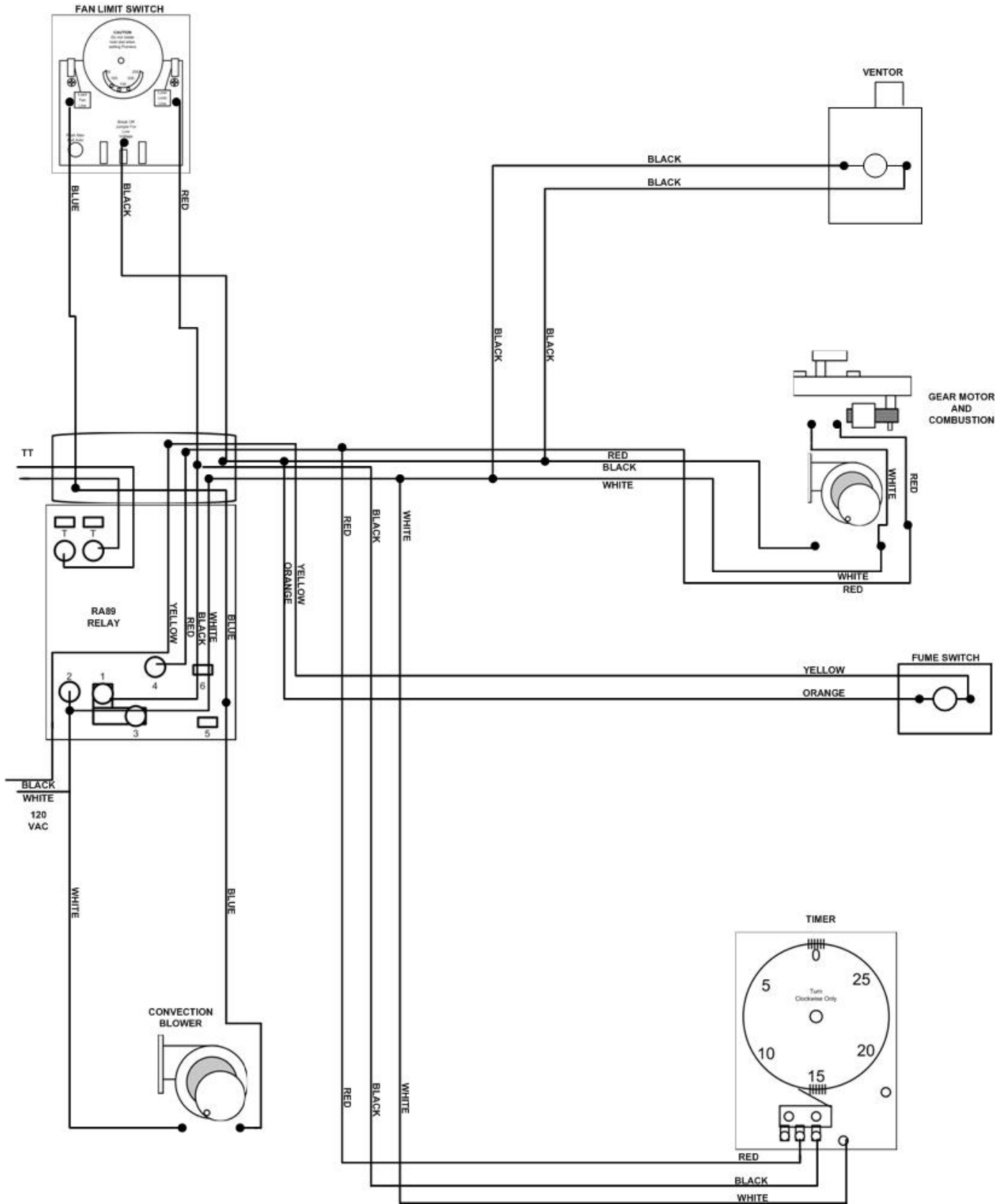
Fire door and ash door must be kept closed at all times during normal operation.

It is necessary to keep coal in hopper while stove is in operation.

In most applications it is sufficient to clean stove and stove pipe twice during heating season. However, under extreme weather conditions, or high demand on stove running periods, the stove and stove pipe may need more frequent cleaning. Clean as often as necessary.

CAUTION: ASH PAN IS HOT-Always Use Gloves to Remove Ash Pan
Before removing ash pan, turn switch off, or pull power cord plug from 110V outlet. Open ash door. Use a good pair of gloves, to remove ash pan. Place filled ash pan on a non-combustible surface. Slide an empty ash pan into stove. Close ash door. Turn switch on or plug power cord back into 110V outlet.

KOKER DIRECT VENT INSTALLATION INSTRUCTIONS



KOKER DIRECT VENT INSTALLATION INSTRUCTIONS

Koker Warranty

Keystone Manufacturing Company extends the following warranties to the original owner from the date of purchase.

Ten Years Workmanship on stove body

Two years on grates and side rails

One year all electric controls and motors.

Warranty does not apply if damage occurs because of improper handling, operation, abuse, rust, corrosion, misuse or use beyond rated capacity.

This warranty does not apply if the product has been altered in any way after leaving the factory.

All warranty claims should be made through dealer where the appliance was originally purchased. Model, **Stoker Unit** Number 1 ½ x 3 tag (found below hopper) and original copy of the sales receipt need be presented to dealer.

If a consumer chooses to make a warranty claim directly through Keystone Manufacturing Company model, stoker unit number, and copy of the original sales receipt are required. Customer must provide a credit card which will be charged for the full retail price for the product plus shipping and handling. When defective part is returned to the company and found to be a defect within warranty period the consumer's credit card will be credited back the cost of part.

Keystone Manufacturing Company assumes no responsibility for any labor expanses, for service, product removal, reinstallation or any freight charges for parts returned to the company.

If defective in material or workmanship and if removed by the owner with in warranty period Keystone manufacturing will at their opinion repair or replace the product.

This warranty is limited to defective parts, repair, or replacement at our opinion and excludes any incidental and consequential damages connected there with.

Warranty exclusions, labor, glass, door gasket, ash tub, hopper and paint

Stove Information

Dealer_____

Date of purchase_____

Stoker unit number_____

Stove Model_____

Checklist

Manual
Carbon Monoxide detector
Thermostat
Glass cleaner
Charcoal
Spring Handle
Ash Tub
Clamp and Screw
Stainless Steel Hat
Stainless Steel Elbow (Top Vent Only)
24" Stainless Steel straight
Cleaning Brush
Stainless Steel Wall Kit
Stainless Steel Tee

PACKED BY: _____