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hydro flame®

8900-III Series Furnace MODELS 8935, 8940

LITERATURE NUMBER MPD 32046

Technical Installation Manual

ENGLISH, FRANCAIS (et Canada)

THIS INSTRUCTION MANUAL IS FOR USE BY AN AUTHORIZED SERVICE TECHNICIAN TO INSTALL AN ATWOOD - hydro flame™ FURNACE.

INSTALLER: LEAVE THIS MANUAL WITH APPLIANCE.
CONSUMER: RETAIN THIS MANUAL FOR FURTHER REFERENCE.

This furnace design has been certified for installation in recreation vehicles as a MSP Category III furnace. Follow this installation instruction to insure safe operation of the furnace. Failure to install furnace according to this installation instruction nullifies the furnace warranty.

SAFETY ALERT SYMBOLS

Safety Symbols alerting you to potential personal safety hazards. Obey all safety messages following these symbols.



avoid possible injury or death

igtriangle caution

avoid possible injury and/or property damage

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
 - Evacuate all persons from vehicle.
 - Shut off gas supply at gas container or source.
 - Do not touch any electrical switch, or use any phone or radio in vehicle.
 - Do not start vehicle's engine or electric generator.
 - Contact nearest gas supplier or qualified Service Technician for repairs.
 - If you cannot reach a gas supplier or qualified Service Technician, contact the nearest fire department.
 - Do not turn on gas supply until gas leak(s) has been repaired.
- Installation and service must be performed by a qualified Service Technician, Service Center or gas supplier.

•Installation

Effective 11/27/06

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SPECIFICATIONS	*(W.C. = Water Column)			
MODEL #	8935 DCLP-III	8940 DCLP-III	8935 ACLC-III	8940 ACLC-III
BTU Input	35,000	40,000	35,000	40,000
Output BTU/HR	27,300	31,200	27,300	31,200
Type Gas	LP	LP	LP/NAT	LP/NAT
Duct Static Pressure -	.10" W.C.*	.10" W.C.	.10" W.C.	.10" W.C.
Power Supply (volts)	12-DC	12-DC	120-AC	120-AC
Watts	132	132	360	360
Amperage	11	11	3	3
MINIMUM RETURN AIR	80 in²	80 in ²	80 in ²	80 in ²

DIMENSIONS					
ALL MODELS WITH DOOR	WIDTH	HEIGHT	DEPTH	WEI	GHT
Casing	16-1/2"	9-1/8"	23-1/2"	FURNACE	38 lbs.
Door	19-1/4"	9-1/4"	1/4″	SHIPPING	45 lbs.
Pacace Razal	20-0/16"	11_1/9"		l	

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MINIMUM CLEARANCE TO FLOORBOARDS, WALLS & SIMILAR COMBUSTIBLE BUILDING MATERIALS*

MUST BE PROVIDED THE FULL LENGTH AND WIDTH OF UNIT

HORIZONTAL	тор1/2"	воттом3/16"	SIDES1"	REAR1/2"
VERTICAL	TOP1/2"	воттом0"	SIDES1"	REAR1/2"

Spacing of 1/4" to ducting within 3 feet of furnace must be provided unless UL listed wire bound vinyl ducts are used. All ducting material should be rated for continuous use at 200°F.

NOTE: Clearances are specifically for plywood or similar building materials surrounding furnace (i.e. furnace should not be located under furniture or in a closet space where clothing or other material could be located.)

NOTE: Efficiency rating is a thermal rating determined under continuous operating conditions, independent of any installation. Efficiency rate is given at 77% minimum, actual efficiency rating may be higher.

⚠ WARNING CARBON MONOXIDE POISONING

- Furnace must be installed and vented to these instructions.
- Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.
- Improper installation location may cause furnace to produce negative pressure, affecting combustion air or venting of other appliances.

⚠ CRITICAL INSTALLATION WARNINGS

- DO NOT install furnace on material that restricts return air, like carpet or any soft material such as vinyl.
- DO NOT install furnace where clearance to combustibles cannot be maintained.
- DO NOT modify furnace in any way.
- DO NOT alter furnace for a positive grounding system.
- DO NOT HI-POT furnace unless electronic ignition system (circuit board) has been disconnected.
- \bullet DO NOT use battery charger to supply power to DC model furnace even when testing.
- DO NOT use 120 volt AC current with DC models.
- DO NOT use furnace cabinet area as a storage compartment.
- DO NOT vent furnace with venting system serving another appliance.
- DO NOT vent furnace to an outside enclosed porch area.
- DO NOT use for temporary heating of buildings or structures under construction.
- Protect building materials from degrading from flue gas exhaust.
- · Protect furnace electrical components from water.

USA AND CANADA - FOLLOW ALL APPLICABLE STATE AND LOCAL CODES IN THE ABSENCE OF LOCAL CODES OR REGULATIONS. REFER TO CURRENT STANDARDS OF:

- Recreation Vehicles ANSI A119.2/NFPA 501C.
- National Fuel Gas Code ANSI Z223.1 and/or CAN/CGA B149 Installation Codes
- Federal Mobile Home Construction & Safety Standard, Title 24 CFR, part 3280, or when this Standard is not applicable, the Standard for Manufactured Home Installations (Manufactured Home Sites, Communities and Set-Ups), ANSI A255.1 and/or CAN/CSA-Z240 MH Series, Mobile Homes.
- Ground National Electrical Code ANSI/NFPA No. 70 and/or CSA C22.1
- Park Trailers ANSI 119.5

NOTE: The direct high voltage spark ignition generates a radio frequency that could cause interference with other microprocessor based equipment. Locate equipment at least five feet (5') from furnace location. If this distance cannot be maintained, purchase MPD 37773 (a shielded high voltage lead).

⚠ WARNINGCARBON MONOXIDE POISONING

- Properly seal door, adjust draft cap to prevent carbon monoxide from entering coach.
- DO NOT draw combustion air from living area. DO NOT vent exhaust air into the living area or an enclosed porch.

Return air is supplied through openings in furnace casing. All return air passages must be kept clear for furnace to function properly. Refer to MINIMUM CLEARANCE TO FLOORBOARDS, WALLS & SIMILAR COMBUSTIBLE BUILDING MATERIAL. The total unobstructed return air opening size(s) must not be less than specified in Specifications-minimum return air. Failure to meet minimum return air requirements nullifies furnace warranty.

STANDARD FURNACE INSTALLATION

General Installation - LOCATION

- Install furnace through an exterior wall.
- DO NOT install furnace near tilt-out rooms, slide-outs, doors or other projections that could obstruct furnace exhaust.
- Locate furnace near midpoint of coach for single furnace applications.
- DO NOT install vent in areas where projections or door openings come within 6" of vent tube opening.
- DO NOT install furnace in an area where wires, pipes, or other objects will interfere with the installation or operation of furnace.
- DO NOT directly install furnace on material that restricts return air, such as directly on carpet, or soft material (like vinyl).
- If you must install furnace on carpet or soft material, install furnace on cleats, or on a wood or metal panel extending the full width and depth of furnace plus minimum clearances to combustibles.
- DO NOT us petroleum or citrus type cleaners on plastic parts, as damage may occur.
- The furnace must always be installed level (front to back, side to side) to prevent water intrusion into the interior.

WALL CUTOUT

RECOMMENDED MAXIMUM WALL THICKNESS 2-1/2"

DO NOT OVERSIZE HOLE - OVER SIZING CAN RESULT IN WATER LEAKAGE

EXTERIOR WALL CUTOUT	Α	В	C	
RECESS BEZEL (FIG 1-1A)	19-1/2"	9-7/8″	*	

*To cut rounded corners: with radius blocks 2-1/8" radius without radius blocks a 45° angle

PERSONAL INJURY

• DO NOT allow furnace tabs to protrude through side wall cutout opening during installation process until door is installed and tabs are bent over. Tabs have sharp edges.

Place furnace in cavity. Do not have tabs protrude outside exterior wall until door is ready to be installed.

DUCTING (FIG 3-4 A) HORIZONTAL & VERTICAL HORIZONTAL

PROPER DUCT INSTALLATION IS CRITICAL TO THE OPERATION OF THIS FURNACE

	CONTINUOUS USE MATERIALS RATING
DUCTS 9" IN LENGTH OR MORE	200°F.
4" DUCTS	250°F.
METAL BOOTS LESS THAN 9" IN LENGTH	250°F.

Ducting systems can include any combination of discharge openings, as long as static pressure and minimum discharge area requirements are met.

ALL MODELS - (also see STATIC PRESSURE TEST)

REQUIRED MINIMUM DISCHARGE	48 IN ²
REQUIRED MINIMUM RETURN AIR	80 IN ²

- See minimum clearance to floorboards, walls & similar combustible **BUILDING MATERIALS.**
- Each 4-inch duct opening provides 12 in² of discharge area. Provide an extra 12 in² of non closeable duct discharge area for each closeable register used.
- Use of 2" ducts does not count toward achieving min, discharge reg. Ducting in dead air space with no return air, such as holding tank areas, does not count toward achieving min, discharge requirements.
- Adjust ducting installation to obtain air rise of 100°F 130°F.

Flexible Ducting System

When designing Flexible Duct Systems:

- · avoid sharp bends or crushed ducts
- stretch all ducts and run them directly to outlets, keeping quantity and angles of bends to a minimum
- 1. Remove knockout plates from desired outlets.
- 2. Attach duct adapter to each opening, by inserting flange over casing, locking tab into casing slot and turning adapter 90°.
- 3. Attach and secure FOUR-INCH flexible ducts to adapters.
- 4. Run ducts to desired location within RV, secure to registers.
- 5. Additional ducting may be needed to maintain static pressure.

Hard Ducting Floor System

When designing Hard Duct Systems:

- undersize ducting will cause high temperature limiting
- oversize ducting will cause inadequate air flow from registers
- when hard ducting is 1-1/2" in depth, an additional flex duct may be needed to maintain installation static requirements
- DO NOT install floor registers within 2 feet of return air openings.

OPTIONAL INSTALLATION - BOTTOM DISCHARGE (FIG 4)

1. Remove bottom discharge cover plate. This ducting option must be connected to a ducting system. FIG 12 (parts breakdown) #40 -GASKET AND PLENUM PLATE KIT is available when attaching furnace.

2. If cutout is required:

FLOOR CUTOUT

DISCHARGES	Α	В	С	D
BOTTOM (FIG 4)	18.0"	5.50″	10.50″	.750″

- 3. Fasten plenum plate (4-E) over floor cutout. If a gasket and plenum plate are not used, seal furnace to hard duct system making sure seal is air-tight, continue with STEP 5.
- 4. Position gasket (4-F) on plenum plate.
- 5. Set furnace on gasket, gasket must remains in position. Use additional ducting to maintain correct static pressure.

VERTICAL

The only ducting option, when using vertical installation, are the top two ducts and two ducts off the back of the casing. This is the only configuration allowed with vertical installation (FIG 3A).

GAS CONNECTION (FIG. 1)

- 1. Connect gas line to brass fitting on right side of furnace. Be sure all male pipe threads, other than flare fittings, are treated with a sealing compound resistant to the action of propane (LP) gas. DO NOT put sealing compound on flare fittings.
 - Remove slide plate (1-E) and gas inlet plug (1-F) from furnace.
- Insert gas line (1-G) through gas inlet plug (DO NOT CUT).
- Connect gas line through gas inlet plug inside furnace casing immediately ahead of gas control valve.
- A 1/8" N.P.T. plug is accessible for test gauge connection on gas valve assembly.
- 2. A 3/8" flared fitting connection is provided at gas control valve inlet for gas supply connection to furnace. The gas supply line of the furnace must be of adequate size to provide 11" W.C. gas pressure. This pressure must be maintained under maximum flow conditions with all gas appliances in operation.
- 3. Use two wrenches to hold brass fitting and flare nut when tightening gas line to brass fitting. DO NOT twist valve assembly (FIG. 5).

ELECTRICAL CONNECTION (FIG 11)

🗥 WARNING **INJURY OR PROPERTY DAMAGE**

- Label all wires before disconnecting for service. Wiring errors can cause improper and dangerous operation.
 - Verify proper operation after servicing.
- · Disconnect electrical power before servicing.

Conductor Sizing Table - MAX. 10% VOLTAGE DROP - (12 VDC)

CURRENT DRAW (AMPS)						
	8	9	10	15	20	
GAGE	MAX. LENGTH	OF SAE	CONDUCTOR (IN	FEET) FROM	SOURCE TO DEVI	CE
18	21	19	17	11	9	
16	33	29	26	17	13	
14	52	46	41	28	21	

CAUTION **PROPERTY DAMAGE**

• This connection is for low-voltage battery or direct current only. Do not connect to 120- or 240- volts AC.

This unit is designed for negative ground 12 volt DC ONLY. Polarity must be observed so furnace motor will run in proper rotation, do not attempt to alter to a positive ground system.

12 VOLT DC MODELS

Route 12 volt DC and thermostat leads to left side of control box. Use a minimum of 18 GA wire to minimize voltage drop. The furnace must be installed so electrical components are protected from water. To make electrical connections: see wiring diagram fig 11

- 1. Route wiring to left side of furnace.
- 2. Connect red wire to positive side of power supply.
- 3. Connect vellow wire to grounded side of power supply.
- 4. Connect blue wire marked positive thermostat to + side wire of thermostat using 22-18 GA stranded wire.
- 5. Connect the other blue wire to the other thermostat lead using minimum 22-18 GA stranded wire.

For best furnace performance when power supply is from a converter equipped with a charging port, wire the converter to furnace parallel with battery. This provides consistent voltage to furnace, increasing component life, filtering power surges and AC spikes.

120 VOLT AC MODELS

Route 120 volt AC and thermostat leads to wires located on the left side of control box using a minimum of 18 GA wire. The furnace must be installed so electrical components are protected from water. To make electrical connections see wiring diagram Fig 12

- 1. Route wiring to left side of furnace.
- 2. Remove junction box cover.
- 3. Connect 120 white wire to furnace 120 white wire.
- 4. Connect 120 black wire to furnace 120 black wire.
- Connect ground wire to furnace green ground wire.After field hookups have been made, put wire connections into furnace junction box and replace cover.
- 6. Connect thermostat leads to the two blue furnace thermostat leads.
- NOTE: Furnace is equipped with a 120 volt AC motor. All other electrical component parts are supplied with power from a transformer inside the furnace at 24 volts AC.
- NOTE: A 120 volt model can also be supplied with a 30 inch power cord attached from the factory supplied with a molded plug with ground pin.

NOTE: DC units are supplied with a power switch

which when turned **OFF** for servicing will remove power through the furnace wiring. Switch must be in **ON** position for furnace to operate. See Fig 1-D. AC units power switch is in valve circuit only.

POWER SUPPLY

Atwood Mobile Products highly recommends the use of an electronic (solid state) converter with clean, clear power output. This will assure the life of the electronic controls and motor life could be extended as much as 500% beyond typical linear converter applications.

THERMOSTAT INSTALLATION

The thermostat is very sensitive. HANDLE WITH CARE AT ALL TIMES.

Locate thermostat 48" to 54" above floor on an INTERIOR wall away from areas of abnormal heat or cold. EXTERIOR wall location must have a 3/4" spacer between thermostat and exterior wall.

Follow manufacturer's installation instructions provided with thermostat. When a thermostat is not supplied use a thermostat rated for 12 VDC or 24 VAC minimum lamp.

DOOR INSTALLATION HORIZONTAL & VERTICAL (FIG. 6-8A)

WARNING CARBON MONOXIDE POISONING

- Properly seal door to prevent carbon monoxide from entering coach.
- 1. Secure mounting brackets (FIG 6) to wood framing on each side of furnace opening 5/16" from bracket face to exterior wall of coach.
- 2. Before installing recessed bezel/door assembly remove rain shield (FIG 9-A). Vertical Units Rain Shield not required and not returnable.
- 3. Slide furnace in cavity. DO NOT have tabs protrude outside exterior wall until door is ready to be installed.
- 4. Pull furnace forward until mounting tabs protrude through exterior wall. The edge of control box is flush with coach's outer skin.
- 5. The door bezel (FIG 7-8A) and recess pan must fit tightly, to prevent water leakage.

NOTE: The furnace must always be installed level (front to back, side to side) to prevent water intrusion into the interior.

6. To prevent moisture from entering inside of coach, apply RTV type sealant to following areas:

HORIZONTAL & VERTICAL INSTALLATION

- entire mounting surface of door bezel, caulking must be tight against inner flange of bezel.
- bending tabs over, fill tabs slots with caulking, securing with screws. VERTICAL INSTALLATION - YOU MUST CAULK -
 - around red gas inlet plug (slide plate and casing bottom intersect).
 - around back of slide plate where it joins metal casing.
- around gas line where it enters gal inlet plug.
- along welded joints of two bottom corners of casing.

- 7. The inlet plug and slide plate must be in closed position and bezel flange inside of casing. Insert six mounting tabs through slots provided in bezel, making sure bezel is tight against casing and cutting into RTV sealant on bezel.
 - fill tab slots with caulking after bending tabs over and securing with screws.
- 8. Bend tabs flush with door bezel, aligning holes in tabs with slots in door bezel.
- 9. Install 12 mounting screws. DO NOT deform bezel.
- Remove excess sealant from around door bezel and visually inspect the door bezel to make sure it is completely sealed.
- Secure mounting legs to floor for horizontal installation. Seal around slide plate, gas plug and joint between control box right side and back wall.
- 12. Fasten door (FIG 6-8A) with fasteners provided.

RAIN SHIELD INSTALLATION HORIZONTAL & VERTICAL (FIG. 9) HORIZONTAL

Install rain shield after recessed bezel and door bezel are in place. The rain shield must be in place to prevent water leakage on horizontal units.

- Insert rain shield on a 45° angle into right side of control box making certain rear portion of rain shield is positioned under heating element exhaust tube Fig. 9-A.
- 2. Lower left side of rain shield and position into place FIG 9-2.
- 3. Secure rain shield with one #8 x 1/2" screw into combustion blower scroll Fig 9-B.

VERTICAL - Rain Shield not required on vertical unit and it's not a returnable part.

DRAFT CAP ASSEMBLY (FIG. 10)

⚠ WARNINGCARBON MONOXIDE POISONING

 Properly adjust draft cap to prevent carbon monoxide from entering the coach.

With wing nut 10-C loose on draft cap assembly, close door 10-A and adjust draft cap 10-D. The draft cap assembly must be pulled out tight against door screen 10-B. Open door 10-A and tighten wing nut 10-C.

CONVERTIBLE GAS CONTROL FIG 5

LC MODEL UNITS come equipped with a convertible gas control. Each unit is supplied with two main burner orifices. One will be in place, the other will be attached to blower housing cover. Each orifice will be clearly marked with a drill size as shown below.

ľ	GAS TYPE	BTU/HR	LINE PRESSURE	VALVE REGULATOR	DRILL SIZE
	PROPANE (LP)	40,000	11" W.C.	10.5" W.C.	49P
	NATURAL (NAT)	40,000	7" W.C.	3.5" W.C.	30N
	PROPANE (LP)	35,000	11" W.C.	10.5" W.C.	51P
	NATURAL (NAT)	35.000	7″ W.C.	3.5" W.C.	32N

The pressure settings of the convertible valve are set for natural gas NAT 3.5" W.C. or LP 10.5" W.C. and are not adjustable. Use Loctite® #RC609 on orifice threads when installing a new orifice. 1/8" NPT plug is provided upstream of gas connections for checking gas pressure.

VALVE CONVERSION (FIG. 5)

- Check exposed section on side of adjustment plug to determine whether it is set for natural or propane. NAT is stamped on one end and LP is stamped on the other end of plug. The types of gas in use will be showing right side up.
- 2. Unscrew plug and remove from valve tower. DO NOT remove rod from tower or make any adjustments.

A. When set for LP and NAT is required:

Rotate plug and replace into valve tower.

NAT SHOULD NOW BE VISIBLE FIG 5

B. When set for NAT and LP is required:

Rotate plug and replace into valve tower.

LP SHOULD NOW BE VISIBLE FIG 5

4. Check rod for proper positioning while tightening plug into tower. The plug, which has been factory calibrated for this valve only. should be reinstalled finger tight. DO NOT USE PLUG ON ANY OTHER VALVE. INSTALL ONLY THE CORRECT MAIN BURNER ORIFICE FOR TYPE OF GAS BEING USED.

ORIFICE REPLACEMENT

- 1. Remove rain shield by tilting as depicted in FIG 9 insert.
- 2. Remove burner assembly from control box.
- 3. Remove two screws holding burner head in place.
- 4. Use a 7/16" socket to remove orifice and replace correct orifice corresponding to type of gas required, which corresponds to regulator plug setting FIG 5.
- 5. Replace burner head with two screws.
- 6. Reinstall burner assembly. Burner assembly must seal tight against control box.
- 7. Replace rain shield and four screws.
- 8. After converting furnace, IN PLAIN SIGHT, put "CONVERTED" sticker (provided in your conversion packet) on rating label.

SYSTEM CHECKS

WARNING **FIRE OR EXPLOSION**

· Never check for leaks with an open flame.

DIAGNOSTIC CHART					
FAULT	LED INDICATION				
Internal Circuit Board Failure	Steady on, no flashing				
Limit switch/Airflow problems	1 flash with 3-second pause				
Flame Sense Fault	2 flashes with 3-second pause				
Ignition Lockout Fault	3 flashes with 3-second pause				

PROPANE GAS PRESSURE TEST

The furnace and any individual shut-off valve must be disconnected from gas supply piping system during any pressure testing of system at test pressures of more than 1/2 PSI.

Before furnace is connected, piping systems must be tested to be leak free. The test must maintain air pressure of at least 6" of mercury or 3 PSI for at least 10 minutes.

The entire piping system must be maintained within a range of 10-14" W.C. when all appliances are in operation. Test the gas connections for leakage with a leak test solution.

STATIC PRESSURE TEST (FIG. 1)

CASING STATIC PRESSURE TABLE

If duct static pressure cannot be set, casing static pressure should not exceed the values listed below when taken cold.

DUCTING SYSTEM	OPERATING VOLTS	FLEXIBLE	HARD
DC MODELS	12	0.25" W.C.	0.35" W.C.
AC MODELS	120	0.25" W.C.	0.35" W.C.

NOTE: For maximum performance and reliability refer to Installation Addendum for manufacturer's recommendations and specifications.

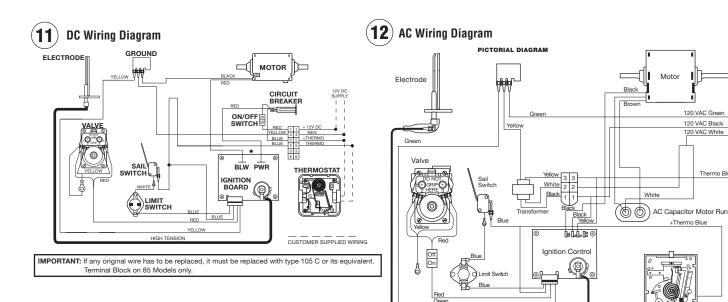
Voltage greater than indicated will cause higher static readings. Reducing the number of duct turns and stretching ducts will increase air flow and reduce static pressure. Adding ducts or increasing discharge system (hard ducting) will also reduce static pressure.

- 1. With door open, locate static pressure tap or use location on back of casing Fig 1.
- 2. Shut off gas supply to furnace.
- 3. Insert static pressure tube onto tap and attach an incline manometer. With door closed, pressure should not exceed values specified in CASING STATIC PRESSURE TABLE.
- 4. Remove pressure tube when finished. Close door or reinstall cover.

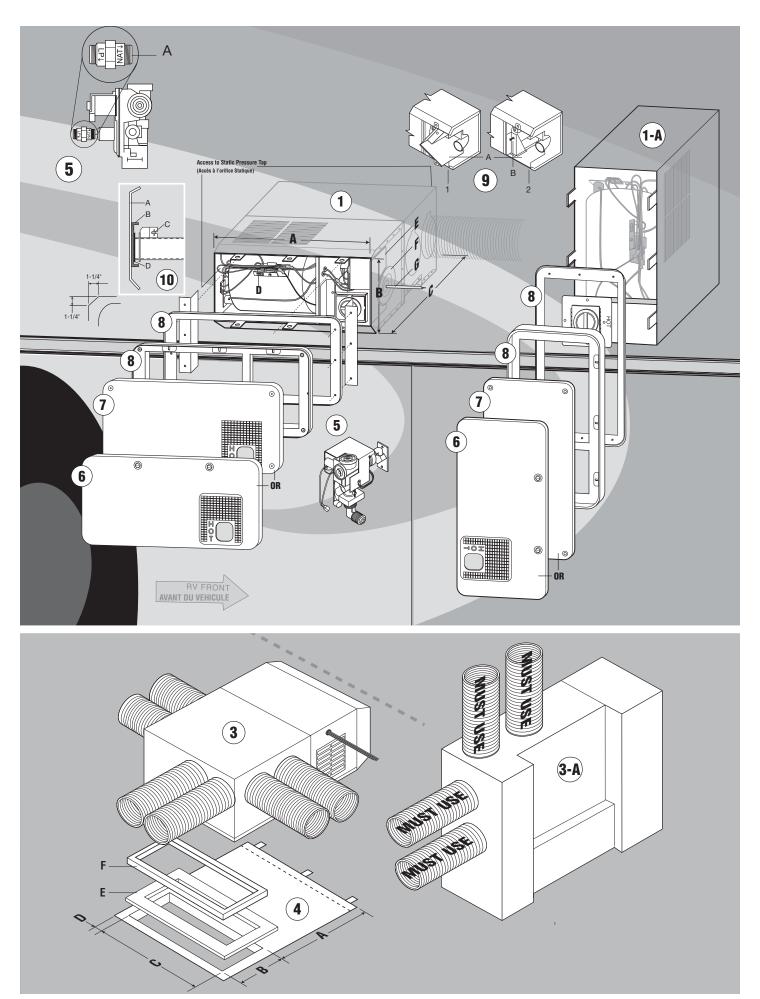
NOTE: Circuit Breaker and ON/OFF Switch may be separate or combined components.

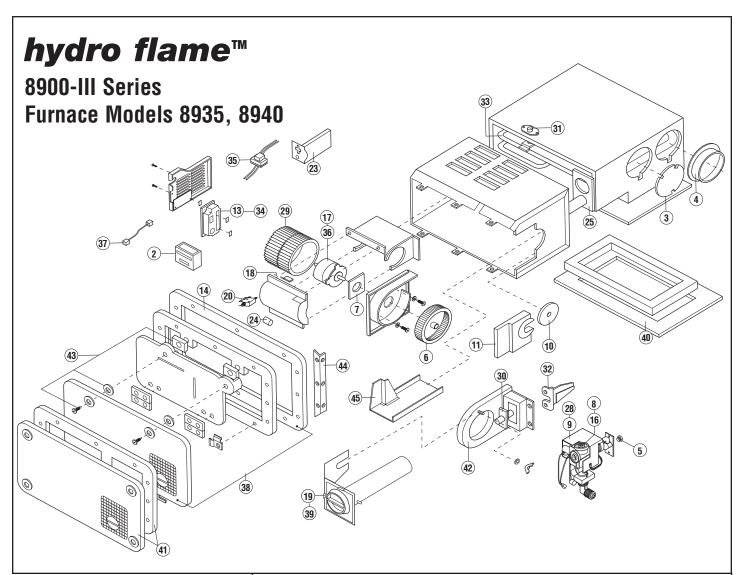
120 VAC White

Thermo Blu



HIGH TENSION





DDAWING # DESCRIPTION OF PARTS	36 Motor AC	19 Capuchon de refoulement CC/CA35
DRAWING # DESCRIPTION OF PARTS	37 High Voltage Wire	20 Coupe-circuit CC
1 Relay	38 Deluxe Door & Bezel Assembly	23 Boîte de dérivation CA
2 Thermostat - specify color	(MUST ORDER BY COLOR)	24 Condensateur de moteur CA
3 Duct Cover Plate	39 Draft Cap Assembly AC/DC 40	25 Joint d'étanchéité entre la paroi et le système d'é-
4 Duct Adapter	40 Gasket & Plate Assembly	vacuation de l'élément de chauffage
5 Orifice — SPECIFY GAS & BTU	41 Standard Door & Bezel Assembly	28 Bobine CA de rechange pour soupape
6 Combustion Wheel	(MUST ORDER BY COLOR)	29 Ventilateur
7 Motor Gasket	42 Combustion Cover	30 Électrode
8 Valve DC	43 Door Fastener Kit	31 Rupteur thermique
9 Valve Repl Coil DC	44 Recess Pan Bracket	32 Brûleur
10 Gas Inlet Plug	45 Rain Shield	34 Module CA de plaquette d'allumage électronique
11 Slide Plate		35 Transformateur CA
13 Electronic Ignition Board DC Kit		
14 Recessed Pan (MUST ORDER BY COLOR)	N° SUR LE SCHÉMA DESCRIPTION DES PIÈCES	36 Moteur CA
16 Valve AC	1 Relais	37 Fil à haute tension
17 Motor DC	2 Thermostat - spécifiez la couleur	38 De luxe ensemble panneau et cadre d'encastrement
18 Sail Switch	3 Couvercle de l'ouverture de branchement du conduit	(DOIT ÊTRE COMMANDÉ PAR COULEUR)
19 Draft Cap Assembly DC/AC35	4 Adaptateur de conduit	39 Capuchon de refoulement CA/DC 40
20 Circuit Breaker DC	5 Lumière — Precisez le Calibre	40 Ensemble joint d'étanchéité et plaque
23 Junction Box Asmbly AC	6 Ventilateur d'air de combustion	41 Standard Door & Bezel Assembly
24 Motor Capacitor AC	7 Joint d'étanchéité du moteur	(MUST ORDER BY COLOR)
25 Element Exhaust Wall Gasket	8 Soupape CC	42 Panneau d'air de combustion
28 Valve Replacement Coil AC	9 Bobine CC de rechange pour soupape	43 Kit de fermeture du panneau extérieur
29 Blower Wheel	10 Raccord d'admission de gaz	44 Support de cadre de fond
30 Electrode	11 Plaque coulissante	45 Ecran de protection contre les intempéries
31 Limit Switch	13 Module CC de plaquette d'allumage électronique	46
32 Burner Assembly	14 Cadre de fond (DOIT ÊTRE COMMANDÉ PAR COULEUR)	
33 Element Assembly	16 Soupape CA	
34 Electronic Ignition Board AC Kit	17 Moteur CC	
35 Transformer Assembly AC	18 Interrupteur à abattant	
<u> </u>		