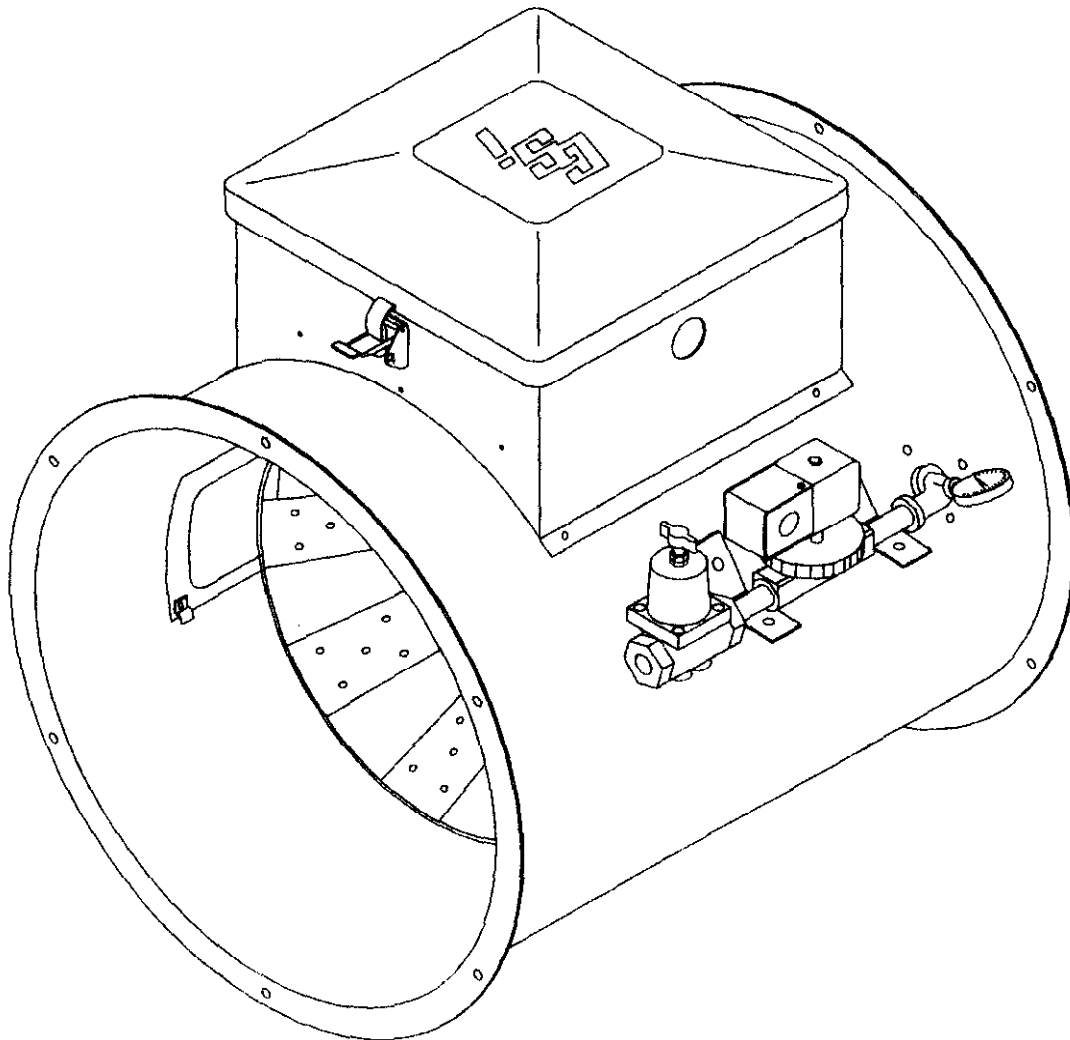


AIRSTREAM

A DIVISION OF  GRAIN SYSTEMS
INCORPORATED

VANE AXIAL VAPOR , LIQUID VAPOR, NATURAL GAS HEATERS OWNER'S MANUAL



AIRSTREAM WARRANTY

AIRSTREAM warrants all products manufactured by **AIRSTREAM** to be free of defects in materials and workmanship under usual and customary service. **AIRSTREAM's** only obligation is to repair or replace products returned on a prepaid basis within 12 months after retail sale, and in our opinion, found to be defective by **AIRSTREAM** the product will be repaired or replaced without charge, F.O.B. factory, this constituting and fulfilling our warranty obligation. Expenses incurred without written authorization from **AIRSTREAM** shall be the sole responsibility of the bearer. Under no circumstances will **AIRSTREAM** be liable for any kind of special or consequential damages, nor shall **AIRSTREAM's** liability ever exceed the selling price of the product.

This warranty does not cover products or parts which have been damaged by negligent use, misuse, alteration or accident. All products supplied by outside manufacturers are warranted separately by the respective manufacturer. This warranty is exclusive and in lieu of all other warranties, expressed or implied. **AIRSTREAM** reserves the right to make design or specification changes at any time, without an contingent obligation to purchasers or products already sold.

All instructions shall be construed as recommendations only; because the actual installation may vary according to local conditions and **AIRSTREAM** assumes no liability for results arising from the use of such recommendations.

GRAIN SYSTEMS, INC. assumes no responsibility for field modifications or erection defects which create structural or storage quality problems. If any field modifications are necessary which are not specifically covered by the contents of this manual, contact **GRAIN SYSTEMS, INC.** for recommendations and approval. Any unauthorized modification or erection defect which effects the structural integrity of the GSI bin will be cause for immediate nullification of the GSI bin warranty.

ROOF DAMAGE WARNING

AIRSTREAM cannot warrant any roof damages due to excessive vacuum or internal pressure caused by fans or other air moving systems. Adequate ventilation and/or "make-up air" devices should be provided for all powered air handling systems. **AIRSTREAM** does not recommend the use of downward flow systems (suction). Severe roof structural damage can result from any blockage of air passages. Running of fans during certain high humidity/cold weather conditions can cause freezing over of air exhaust or intake ports.

JUNE 1990

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IMPORTANT - DO NOT USE PROPANE TANKS WHICH HAVE PREVIOUSLY BEEN USED FOR AMMONIA UNLESS THEY HAVE BEEN PURGED ACCORDING TO PROCEDURES OF THE NATIONAL L.P. ASSOCIATION.

 DANGER	
	
<p>Do not operate with service door removed</p> <p>MAY CAUSE SERIOUS INJURY OR DEATH</p>	

 DANGER	
	
<p>Disconnect electricity before inspecting or servicing</p> <p>Keep guards and screens on exposed areas</p> <p>MAY CAUSE SERIOUS INJURY OR DEATH</p>	

VANE -AXIAL GAS HEATER SPECIFICATIONS

HIGH TEMPERATURE MODELS

		18"	24"	26"	28"
	INSIDE DIAMETER BOLT CIRCLE DIAMETER LENGTH BTU RATING WEIGHT	18.5/16" 19.7/16" 22" 1400000 81	24.1/4" 25.3/4" 22.1/2" 2100000 110	26.5/16" 27.15/16 22.1/4" 2700000 115	28.1/8" 29.5/8" 25.1/4" 3000000 140
LIQUID MODELS	MAX FUEL FLOW (GPH) ORIFICE MIN OPERATING PRESSURE MAX OPERATING PRESSURE MIN LIN SIZE	N/A N/A N/A N/A N/A	23 3/16" 2 20 3/8"	30 7/32" 2 20 3/8"	34 15/64" 2 20 3/8"
VAPOR MODELS	MAX FUEL FLOW (CFH) ORIFICE MIN OPERATING PRESSURE MAX OPERATING PRESSURE MIN LINE SIZE	585 5/32" 2 20 1/2"	877 3/16" 2 20 3/4"	1128 7/32" 2 20 3/4"	1253 15/64" 2 20 3/4"
NAT. GAS MODELS	MAX FUEL FLOW (CFH) ORIFICE MIN OPERATING PRESSURE MAX OPERATING PRESSURE MIN LINE SIZE	1473 1/4" 1 7 3/4"	2210 5/16" 1 7 1"	2842 23/64" 1 7 1.1/4"	3157 3/8" 1 7 1.1/4"

LOW TEMPERATURE MODELS

		18"	24"	26"	28"
	INSIDE DIAMETER BOLT CIRCLE DIAMETER LENGTH BTU RATING WEIGHT	18.5/16" 19.7/16" 22" 400000 81	24.1/4" 25.3/4" 22.1/2" 700000 110	26.5/16" 27.15/16 22.1/4" 700000 115	28.1/8" 29.5/8" 25.1/4" 700000 140
VAPOR MODELS	MAX FUEL FLOW (CFH) ORIFICE MIN OPERATING PRESSURE MAX OPERATING PRESSURE MIN LIN SIZE	167 5/64" 2 20 3/8"	292 3/32" 2 20 3/8"	292 3/32" 2 20 3/8"	292 3/32" 2 20 3/8"
NAT. GAS MODELS	MAX FUEL FLOW (CFH) ORIFICE MIN OPERATING PRESSURE MAX OPERATING PRESSURE MIN LINE SIZE	421 9/64" 1 7 1/2"	736 3/16" 1 7 1/2"	736 3/16" 1 7 1/2"	736 3/16" 1 7 1/2"

FUNCTION OF HEATER PARTS

HEATER HIGH LIMIT - Shuts down heater in event housing temperature exceeds 200 degrees.
(This might occur if fan motor were to fail.)

PRESSURE GAUGE - Allows the manifold pressure to be monitored for regulator adjustment.

SOLENOID VALVE - Electrically operated valve that is used to start and stop flow of gas to heater.
The thermostat on bin wall cycles this valve on and off which also cycles heater on and off.

SPARK PLUG - Provides electric spark for ignition.

BURNER SWITCH - Switches on power to heater unit.

PURGE RELAY - Provides ten second delay to allow all gas to be purged from heater
and fan to come up to speed before igniting burner.

LO-FLAME SOLENOID (HI-LO ONLY) - Forces gas to bypass through flow control for lo-flame.

TRANSFORMER - Provides high voltage continuous spark for ignition.

FLAME PROBE - Provides proof of flame safety.

REGULATOR - For adjustment of input gas pressure to heater unit.

BALL VALVE (HI-LO ONLY) - For adjustment of flame on lo-fire.

FUNCTION OF VAPORIZER PARTS

STRAINER - Filters out any foreign matter from gas line that could lodge in gas solenoid valve.

SHUT-OFF VALVE - Starts or stops flow of liquid to vaporizer.

SAFETY RELIEF VALVE - Releases pressure should blockage or pressure build up occur.

SOLENOID VALVE - Shuts off flow of liquid should vapor get overheated in cooling coil.

VAPOR HIGH LIMIT - Senses overheating in cooling coil and sends signal to solenoid valve to
close, shutting off flow of liquid to heater.

COOLING COIL - Allows hot vapor to cool slightly before combustion.

VAPORIZER SUPPORT WELDMENT - Provides lateral and vertical movement of vaporizer coil.

INSTALLATION

1. Bolt heater to downwind side of fan. Pay particular attention to airflow arrows. Use 3/8" x 1.1/4" bolts, nuts and lockwashers.(not included)
2. Wire fan as per fan manual.

STANDARD MODELS

3. Plug thermostat into interlock that is marked "cycle". (See thermostat instructions for installation of thermostat.)
4. If bin high limit thermostat is to be used (recommended) then remove jumper wire from interlock marked "hi-limit". Plug bin high limit into interlock marked "hi-limit".

HI-LO MODELS

3. Plug lead from thermostat that is marked "cycle" into interlock on heater that is marked "cycle".
4. Plug lead from thermostat that is marked "hi-limit" into interlock on heater that is marked "hi-limit".

IMPORTANT - DO NOT USE PROPANE TANKS WHICH HAVE PREVIOUSLY BEEN USED FOR AMMONIA UNLESS THEY HAVE BEEN PURGED ACCORDING TO PROCEDURES OF THE NATIONAL L.P. ASSOCIATION.

INVESTIGATE TO BE SURE THAT FUEL SUPPLY SYSTEM COMPLYS WITH ALL LOCAL CODES FOR L.P. GAS INSTALLATIONS.

FUEL CONNECTION

LIQUID PROPANE MODELS

1. LP models are designed to run on liquid propane, with liquid draw from the propane tank. Avoid using propane supply tanks that have been used for vapor draw for long periods of time. When using liquid draw systems any moisture that may be present in tank or lines may freeze when system is used in cold weather. To avoid this the usual precaution is to purge the system with methanol.
2. Run proper size line (see specifications) to liquid pipe train on heater. Have a qualified gas service man inspect installation to be sure that every thing is installed according to local codes and ordinances.
3. After installation is complete check all connections for leaks with liquid detergent or comparable. Wear rubber gloves and eye protection. Avoid contact with liquid propane.

PROPANE VAPOR MODELS

1. Propane vapor models are designed to run directly off of supply tank or from a separate external vaporizer.
2. Run proper size line (see specifications) to pipe train on heater. Have a qualified Gas service man inspect installation to be sure that everything is installed according to local codes and ordinances.
3. After installation is complete check all connections for leaks. (See previous page for leak test precautions).

NATURAL GAS MODELS

1. Natural gas models are similar to vapor models, but have a larger orifice to accommodate lower pressure sometimes found with natural gas.
2. Run proper size line (see specifications) to pipe train on heater. Have a qualified Gas service man inspect installation to be sure that everything is installed according to local codes and ordinances.
3. After installation is complete check all connections for leaks. (See previous page for leak test precautions).

HEATER OPERATION

STANDARD HEATER

1. The thermostat plug must be plugged into heater control box of heater to operate. (See thermostat instructions).
2. Open all manual shut-off valves to heater unit.
3. Start fan. This will supply power to heater on/off switch.
4. Turn thermostat dial to its highest setting so that heater should be on.
5. Toggle heater switch to on position.
6. After 10 seconds red indicator light should light up, indicating that there is power to the control circuit.
7. Heater should now be lit. If not check to see that all gas is on and the thermostat is plugged in.
8. Turn thermostat dial to a very high setting and wait for bin plenum to come up to desired temperature. Then turn thermostat back slowly until heater goes off.
9. Gas pressure should be adjusted so that the burner is on at least 75 percent of the time.
10. Watch plenum temperature as burner goes through a few cycles, to be sure that it is operating properly.

HI-LO HEATER OPERATION

1. Hi-limit and cycling thermostat interlock must be plugged into front of heater control box panel for heater to operate.
2. Open all manual shut-off valves to heater unit.
3. Start fan. This will supply power to heater.
4. Turn thermostat dial to its highest setting.
5. After 10 seconds both red lights should light up indicating power to the control circuit.
6. Heater should now be lit. If not check to see that all gas is on and both thermostats are plugged in.
7. Turn cycling thermostat dial to its highest setting so that heater should be on high flame.
8. Open ball valve all the way.
9. Turn thermostat dial to its lowest setting so that heater should be on low flame.
10. Adjust ball valve so that lo-flame pressure is at desired setting.
11. Turn thermostat dial back to a very high setting and wait for bin plenum to come up to temperature. Then turn thermostat back slowly until heater goes back to low flame.
12. Low-flame should be adjusted so that it drops slowly until burner goes back to high flame.

HEATER SERVICE

All **AIRSTREAM** heaters are constructed of durable weather-resistant materials, so a minimum amount of service should be required; however before the unit is started for the first time each season there are a few items that need to be checked out. All damaged parts should be repaired or replaced.

1. Unplug heater power cord from fan. Open control box lid and inspect all components for moisture, vibration, or rodent damage. Inspect and tighten all loose terminal connections. Replace any damaged wiring.
2. Remove burner orifice tube and inspect for dirt or foreign material. Clean out if necessary.
3. Inspect burner for wear or foreign material in any of the ports. Clean or replace parts if necessary.
4. Inspect the spark plug and flame probe for corrosion and damage. Clean or replace if necessary.

TROUBLESHOOTING GUIDE

TROUBLE	PROBABLE CAUSE	CHECK-OUT PROCEDURE
Burner will not fire no gas pressure to orifice after 30 seconds of fan peration. (Red light does not come on at all.)	Heater not plugged in	Plug heater cord into fan control box
	Purge relay	Check out as shown in Electrical check out chart.
	Blown fuse	Check fuse visually or with an ohm meter. If bad replace.
	High limit (heater housing)	Press red reset button on hi-limit. If this does not correct the situation check hi- limit with ohm meter. If hi limit shows open circuit then replace. (Remove wires before checking.)
	Flame probe	Remove wires from flame probe and check with ohm meter Flame probe should be closed initially and must be in circuit for unit to start. If flame probe shows open then replace.
Burner will not fire, no gas pressure to orifice (Red light comes on after 15 seconds of operation.)	Vapor hi-limit	Check out as shown in Electrical check out chart..
	Time delay reset(on control box)	Reset button
	Liquid solenoid valve	Feel top of valve to see if it clicks. This would indicate that the valve is working electrically. If valve does not click, connect 110 volts to valve. If this cause valve to click then valve should be okay. If not replace valve or valve coil.
	Vapor solenoid valve	Check out the same as liquid valve.
	Thermostat	Make sure thermostat is plugged into socket marked cycle on standard units, and thermostat is plugged into both sockets on hi-lo units. Make sure thermostats are turned up enough to activate heater. If thermostat is bad replace.
	Obstruction in line	Remove obstruction.
Gauge shows pressure but unit will not fire.	Spark plug	WITH GAS SHUT OFF ! Remove plug wire from spark plug. carefully holding plug wire by insulation try to get an arc between end of wire and heater housing. HIGH - VOLTAGE - STAY CLEAR OF END OF IGNITION WIRE. If spark is present replace or clean plug.
	Spark plug wire	If no spark was present after checking spark plug may be faulty spark plug wire. Remove spark plug wire from transformer and holding an insulated handle screwdriver against the output terminal and 1/4" away from the box bottom. If arc is established then replace spark plug wire. If arc is not established then replace transformer.
	Plugged orifice	Check for gas at burner (should be able to smell it.) If no gas, remove pipe train and check orifice for blockage.
Heater starts properly but shuts down after 60 seconds	Flame probe not in proper position.	Move flame probe into flame.
	Flame probe in bad condition.	Replace flame probe.
Line freezes while starting.	Moisture in fuel	Call qualified gas serviceman to check tank.
Cooling coil gets very hot and heater shuts off.	Vaporizer getting to hot.	Adjust vaporizer out of flame. Move small amount at a time and allow heater to run for a few minutes before checking cooling coil.

ELECTRICAL CHECK-OUT CHART

FOR UNITS USING HF-7062 CONTROL BOARD

All trouble shooting should be done with GAS SHUT OFF AT TANK. It is recommended to run drop cord from 110 volt power source to test electrical system on heater. However NEVER RUN HEATER WITHOUT IT BEING ELECTRICALLY INTERLOCKED TO FAN. This may cause unit to be severely damaged in case of fan failure.

Before checking out any of the components on the HF-7062 heater controller board check to make sure that there is power to the board. Turn on/off switch to on position. Check voltage between terminals L1 and L2 on the board there should be 110 volts present. If no voltage present check to make sure Heater housing high-limit is reset. If housing high-limit is reset check it and the on/off toggle switch to see if they are defective. If they check out OK then CHECK TO BE SURE THAT THE UNIT HAS A GOOD NEUTRAL. All tests below should be done with power on and on/off switch in on position.

PURGE DELAY

Turn on/off switch to on position. There should be 110 volts between points A and B on board. If no voltage present check out flame probe. If 110 volts are present wait 15 seconds and check voltage between points C and D on board. If no voltage present purge relay is possibly defective.

FLAME PROBE

Flame probe should be closed when cool and open when warm. FLAME PROBE MUST BE COOL (CLOSED) FOR UNIT TO START. Check voltage between points A and B. If 110 volts is present then flame probe is probably OK. If no voltage present check between points B and C. If 110 volts present flame probe is defective. If no voltage is present check bin high limit.

BIN HIGH-LIMIT

THERMOSTAT MUST BE PLUGGED IN AND CALLING FOR HEAT FOR UNIT TO START. Check voltage between points B and E. If 110 volts present thermostat should be OK. If no voltage is present check between points F and B. If 110 volts present check out thermostat circuit. If no voltage present check out vapor high-limit and housing high-limit.

VAPOR HIGH-LIMIT

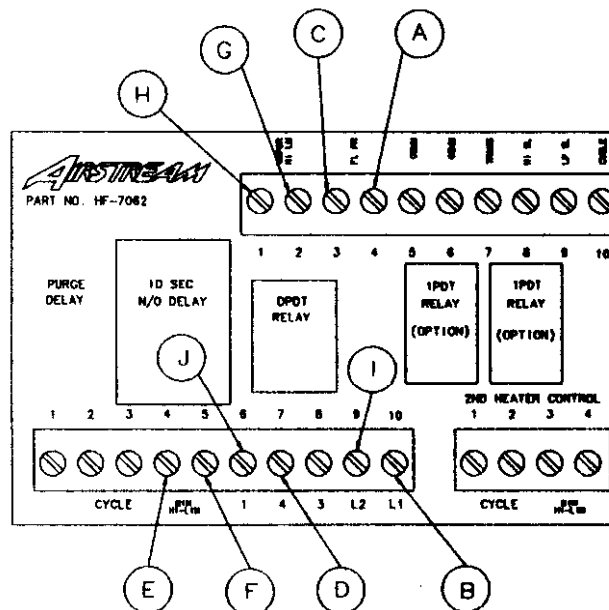
(Liquid units only)

VAPOR HIGH-LIMIT RESETS AUTOMATICALLY. It must be cool to be closed. Check voltage between points G and B on board. If voltage is present then vapor high-limit should be OK. If no voltage present check between points H and B. If voltage present then vapor high-limit is probably defective. If no voltage present check for bad connections on board or lack of a good neutral line coming into heater.

TIME DELAY RESET

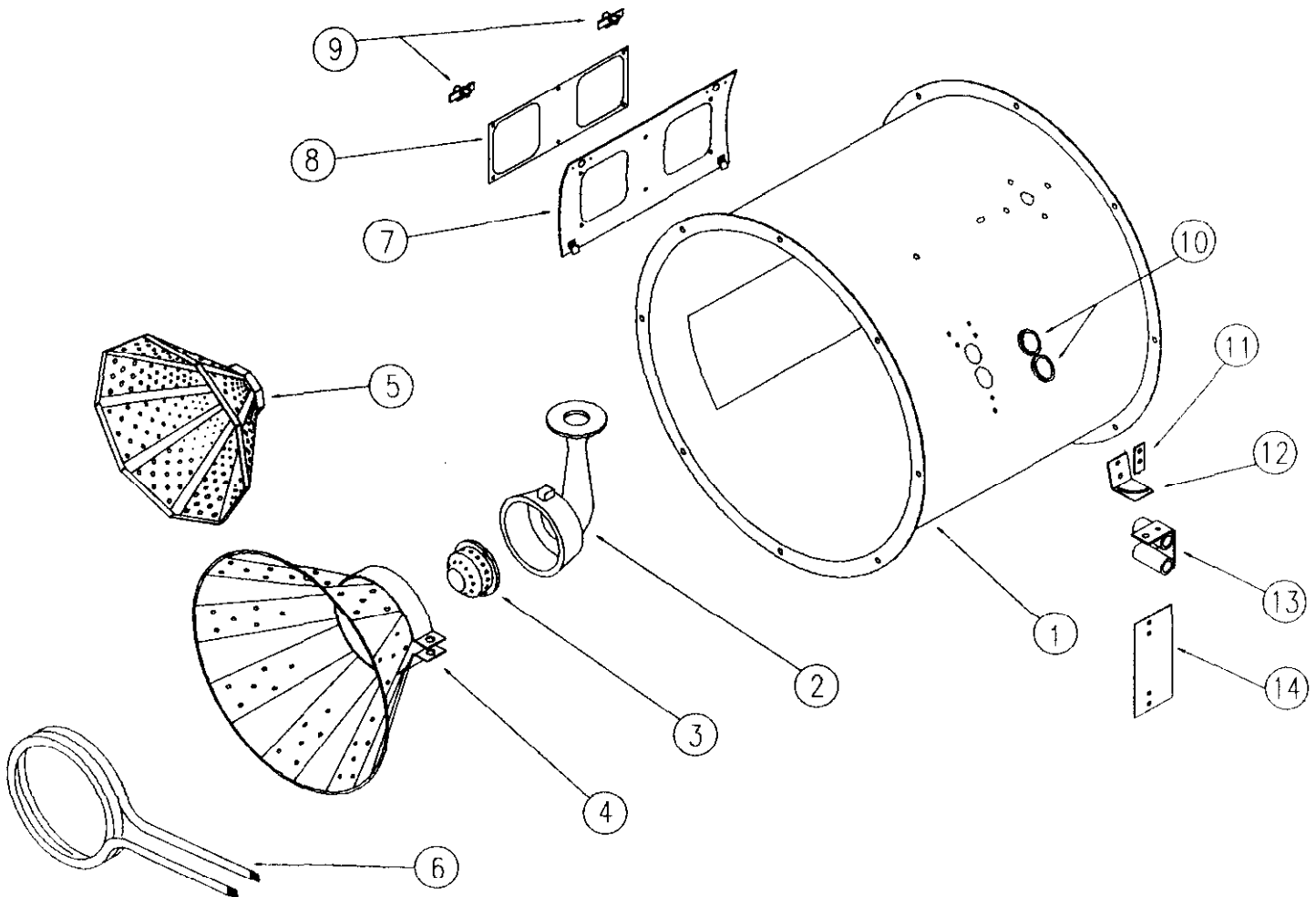
CHECK TO BE SURE TIME DELAY RESET IS PUSHED IN (RESET CONDITION). Check voltage between points I and J. If 110 volts present then time delay reset should be OK. If no voltage present check voltage between points I and D. If 110 volts are present then time delay reset is probably defective. If no voltage present then check housing hi-limit or on/off switch.

IMPORTANT: After approximately 60 seconds of heater operation with gas shut off reset button should kick out. If it does not then check out flame probe.



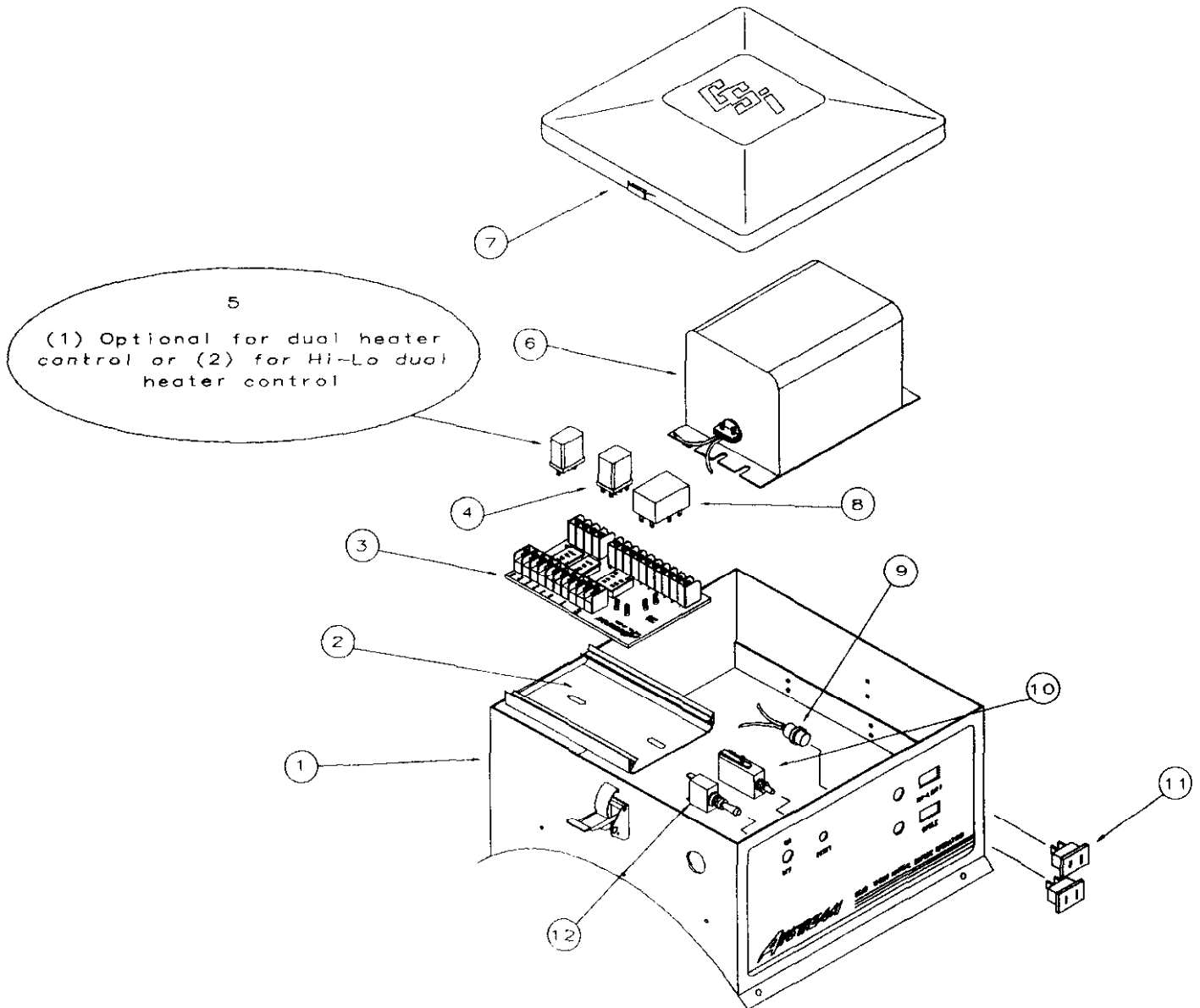
ITEM	PART#	DESCRIPTION	QTY	ITEM	PART#	DESCRIPTION	QTY
1.	HF-6785	18" HEATER WRAPPER	1	4.	HF-1516	24/26" STD DIVERTER	1
	HF-6175	24" HEATER WRAPPER	1			28" STD DIVERTER	1
	HF-6176	26" HEATER WRAPPER	1		HF-6756	24/26/28" LOW DIVERTER	1
	HF-6060	28" HEATER WRAPPER	1	5.	HH-1180	18" STD DIVERTER	1
2.	HH-3933	18" HEATER GUN	1		HF-7073	18" LOW DIVERTER	1
	HH-3934	24/26" HEATER GUN	1	6.	HF-3758	VAPORIZER COIL 89"	1
	THF-3141	28" HEATER GUN	1	7.	HF-6062-	ACCESS PANEL	1
3.	HH-1180	18" STD SPREADER	1	8.	HF-2025G	HEATER COVER PLATE	1
	HH-4410	18" LOW-TEMP SPREADER	1	9.	TFH-2046	SOUTHCO LATCH	2
	HH-1179	24/26" STD SPREADER	1	10.	HH-7016	RUBBER GROMMETS	2
	HH-6757	24/26" LOW-TEMP SPREADER	1	11.	HF-7056	PIVOT BRACKET	1
	THF-3144	28" STD SPREADER	1	12.	HF-7057	ADJUSTMENT ARM	1
	HF-6933	28" LOW-TEMP SPREADER	1	13.	HF-7060	VAPORIZER SUPPORT	1
				14.	HF-7091	VAPORIZER COVER	1

18"/24"/26"/28" HEATER HOUSING PARTS



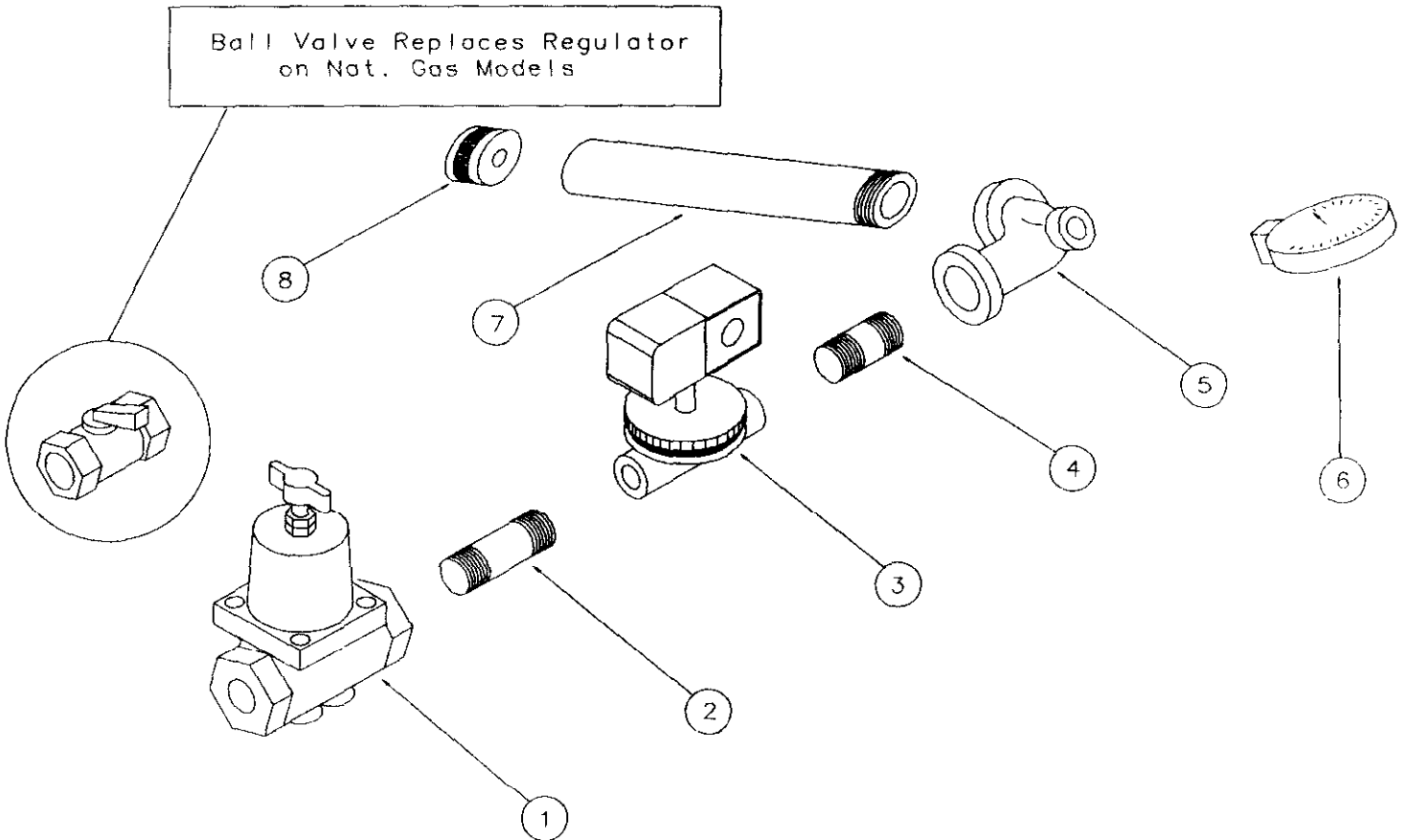
ITEM	PART #	DESCRIPTION	QTY.
1	HF-7046	18" BOX WRAPPER	1
	HF-7047	24/26" BOX WRAPPER	1
	HF-7051	28" BOX WRAPPER	1
2	HH-7015	SNAP TRAK	1
3	HF-7062	CIRCUIT BOARD ASSY.	1
4	TD-100300	IDEC RELAY	1
5	TD-100282	IDEC RELAY (OPTIONAL)	
6	HH-1487	TRANSFORMER	1
7	F-942	LID	1
8	D03-0077	10 SEC.TIME DELAY	1
9	FH-1004	RED LIGHT	2
10	HH-1089	RESET TIME DELAY	1
11	HH-1087	HUMID/THERMO. RECEPTACLE	2
12	HF-1442	START/STOP TOGGLE SWITCH	1

ELECTRICAL BOX PARTS



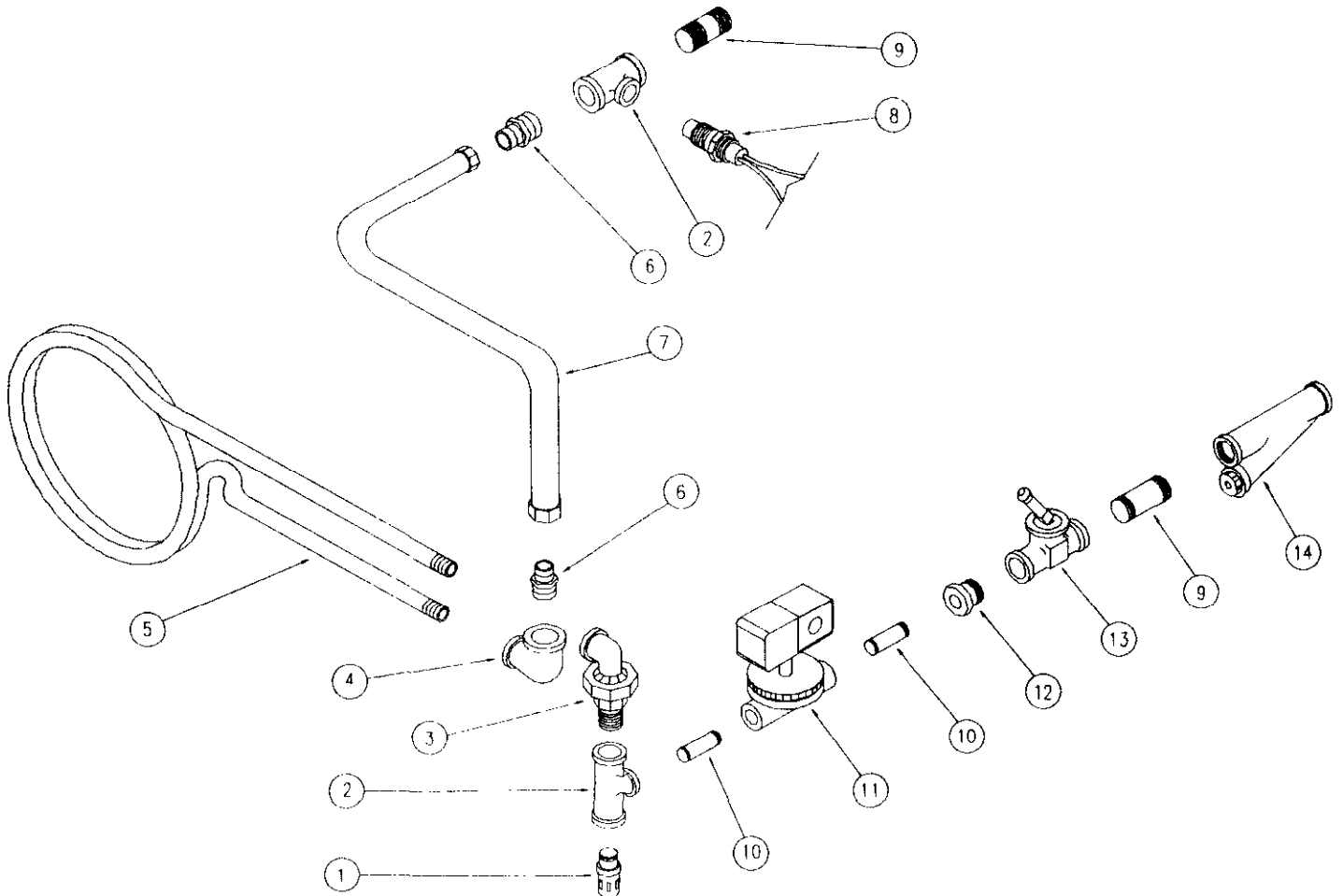
ITEM	PART #	DESCRIPTION	QTY.	ITEM	PART#	DESCRIPTION	QTY.
1	HH-1077	1/2" 0-30 PSI REGULATOR	1	8	HF-7084	.0938 ORIFICE(3/32)	1
1	THH-4007	1/2" BRONZE BALL VALVE	1	8	HF-7085	.140 ORIFICE(9/64)	1
2	THH-4128	1/2" x 2" NIPPLE	1	8	HF-7036	.156 ORIFICE(5/32)	1
3	HH-1081	1/2" SOLENOID	1	8	HF-7086	.1875 ORIFICE(3/16)	1
4	THH-4113	1/2" CLOSE NIPPLE	1	8	HF-7087	.2188 ORIFICE(7/32)	1
5	S-3853	1/2" x 1/4" x 1/2" TEE	1	8	HF-7088	.2344 ORIFICE(15/64)	1
6	HH-2984	30 # PSI GAUGE	1	8	HF-7083	.250 ORIFICE(1/4)	1
7	HH-1083	18/24/28 ORIFICE PIPE	1	8	HF-7099	.3125 ORIFICE(5/16)	1
7	HH-1107	26" ORIFICE PIPE	1	8	HF-7030	.3594 ORIFICE(23/64)	1
8	HF-7083	.078 ORIFICE(5/64)	1	8	HF-7034	.375 ORIFICE(3/8)	1

VAPOR/NATURAL GAS PIPE TRAIN PARTS



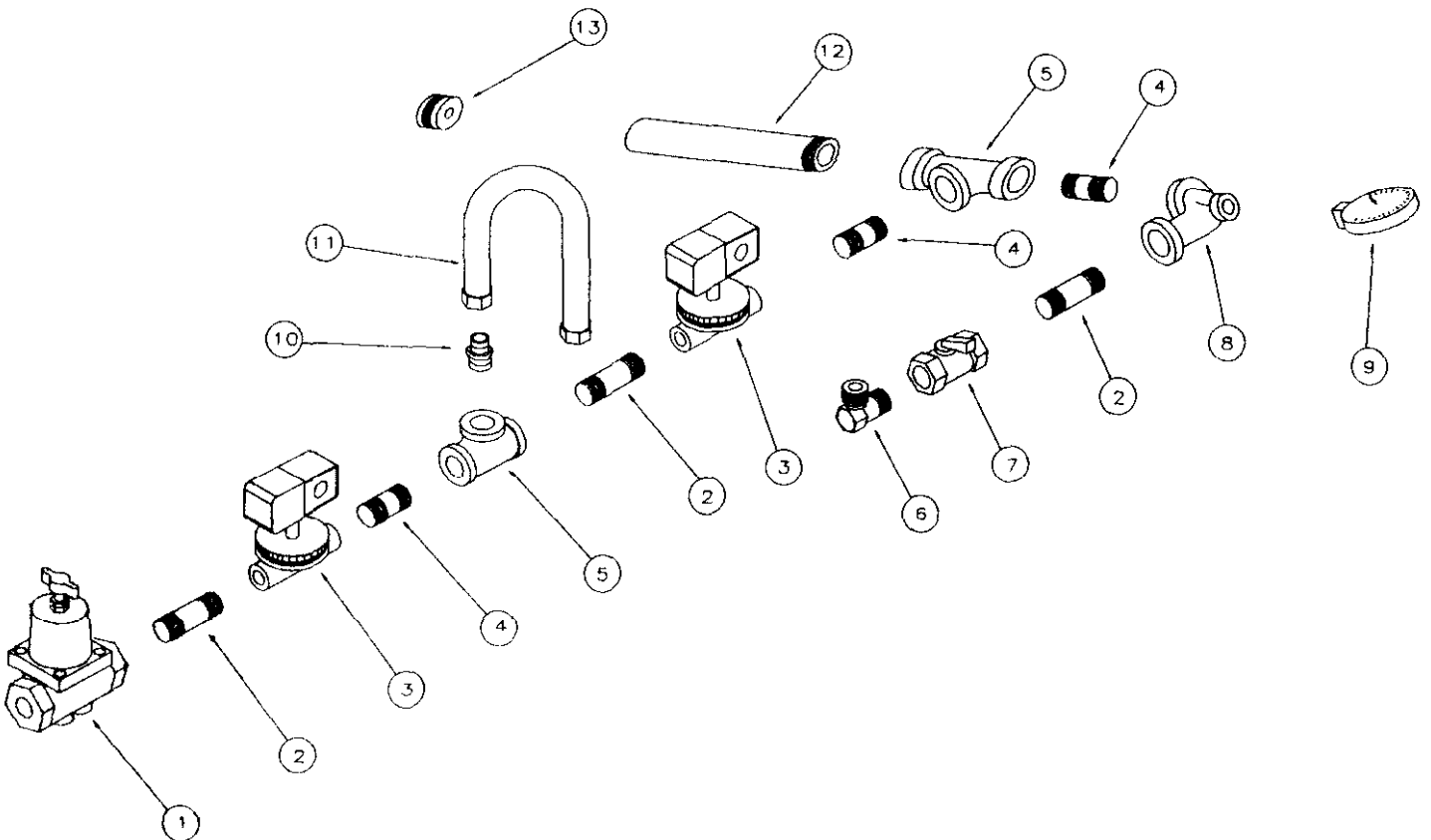
ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	HH-4845	1/4" RELEIF VALVE	1	8	HF-7013	VAPOR HI-LIMIT	1
2	HH-1453	1/2" x 1/2" x 1/2" TEE	1	9	THH-4113	1/2" CLOSE NIPPLE	1
3	THH-4089	1/2" MALE UNION ELBOW	1	10	D67-0009	1/4" x 1.1/2" NIPPLE	1
4	HH-4847	1/2" ELBOW	1	11	THH-4029	1/4" SOLENOID	1
5	HF-3039	83.1/4" VAPORIZER COIL	1	12	THH-4023	1/2" x 1/4" REDUCER	1
6	HH-7018	1/2" - 3/8" FLR MALE	2	13	HH-1376	1/2" GAS SHUT-OFF	1
7	HH-7019	5/16 x 18" LP GAS HOSE	2	14	HH-1251	1/2" STRAINER	1

LIQUID PIPE TRAIN PARTS

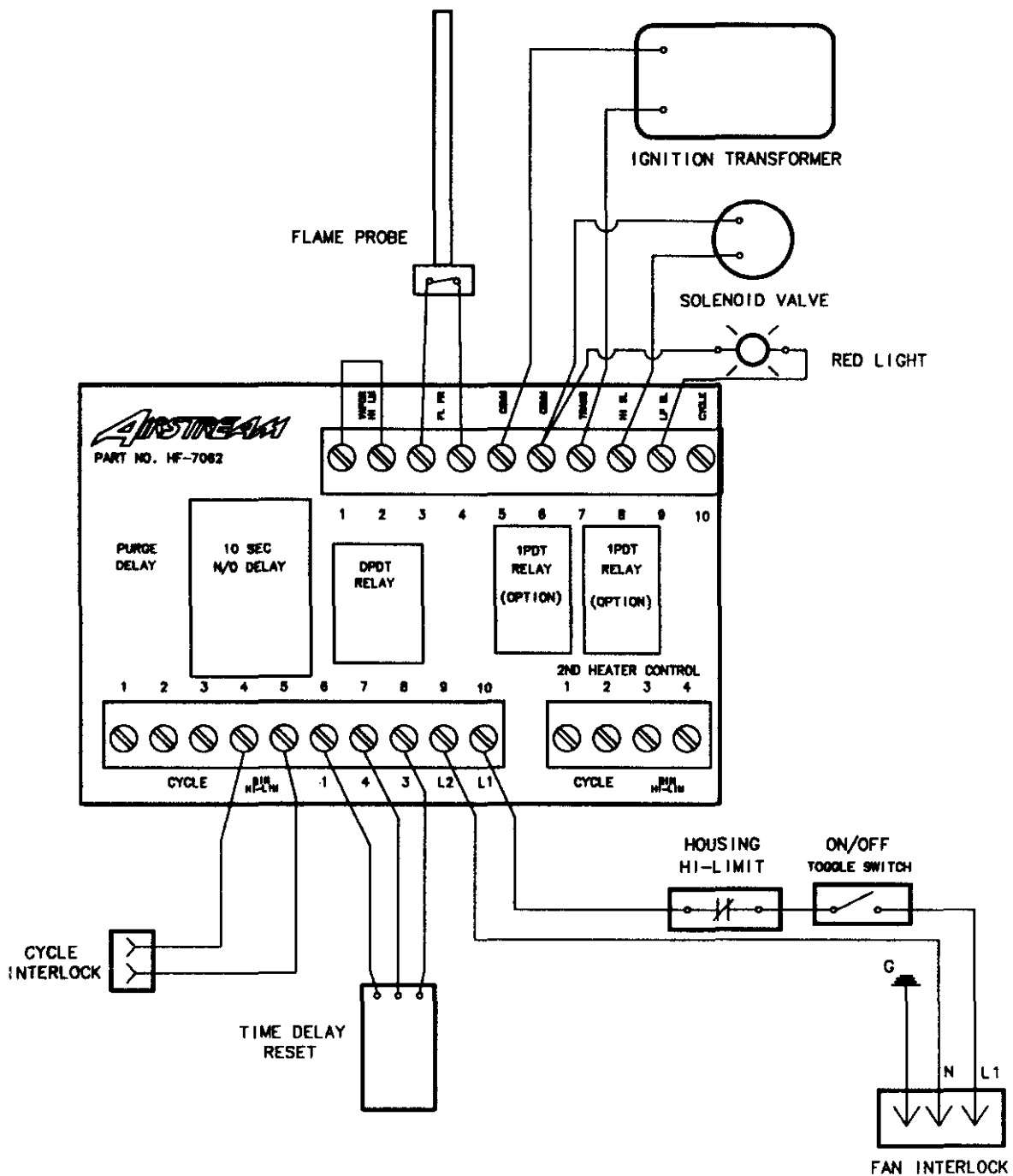


ITEM	PART #	DESCRIPTION	QTY.
1	HH-1077	1/2" REGULATOR	1
2	THH-4128	1/2" x 2" NIPPLE	3
3	HH-1081	1/2" SOLENOID	2
4	THH-4113	1/2" CLOSE NIPPLE	3
5	HH-1453	1/2" x 1/2" x 1/2" TEE	2
6	HH-1932	1/2" NPT x 1/2" FLR ELBOW	1
7	THH-4007	1/2" BALL VALVE	1
8	S-3853	1/2" x 1/4" x 1/2" TEE	1
9	HH-2984	30# PSI GAUGE	1
10	HH-7018	1/2" x 3/8" FLR MALE	2
11	HH-7019	5/16 x 18" LP GAS HOSE	1
12	HH-1083	18/24/28" ORIFICE PIPE	1
12	HH-1107	26" ORIFICE PIPE	1
13	SEE PAGE 10 FOR PART # PAGE 2 FOR SIZE		

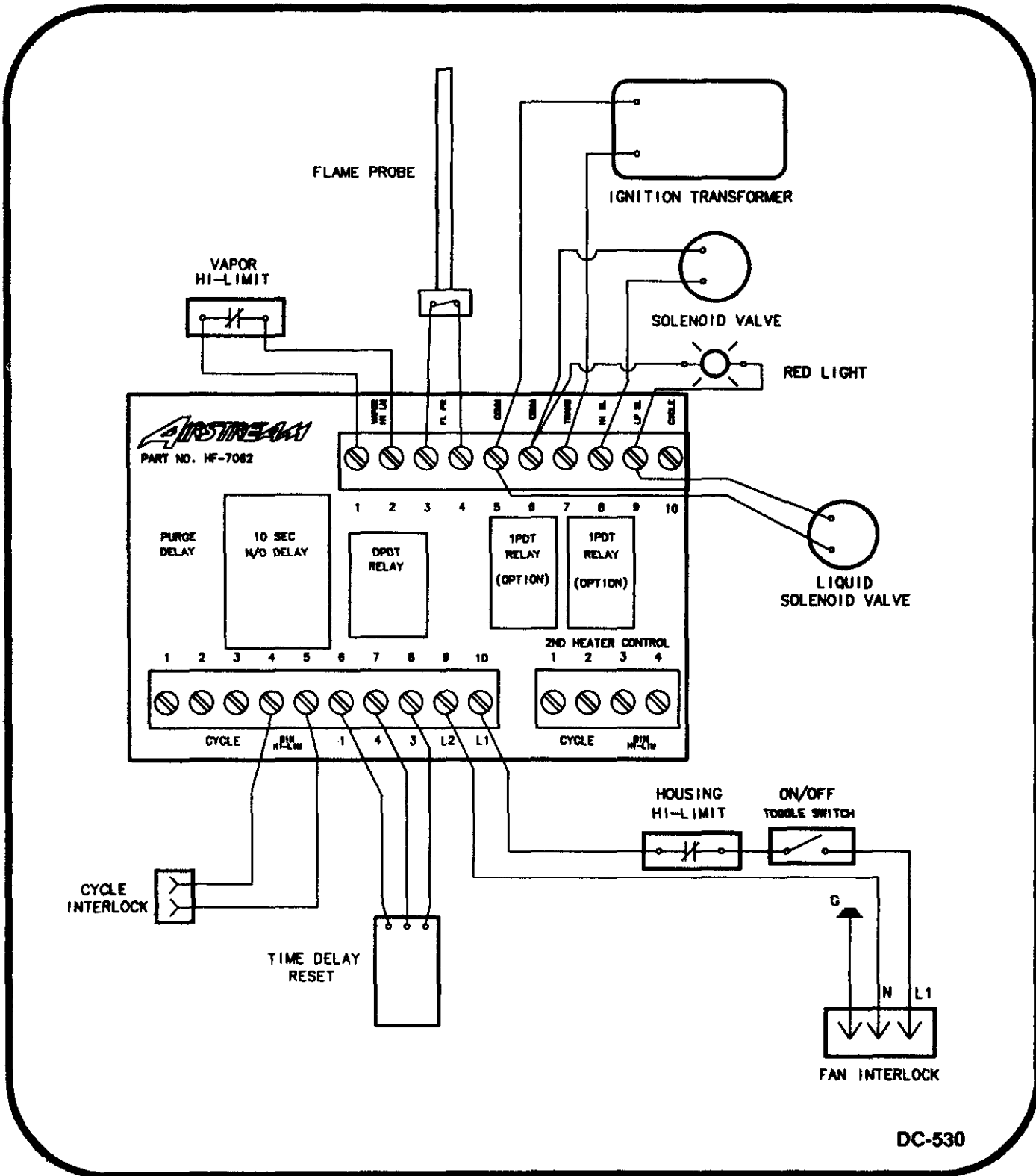
HI - LO PIPE TRAIN PARTS



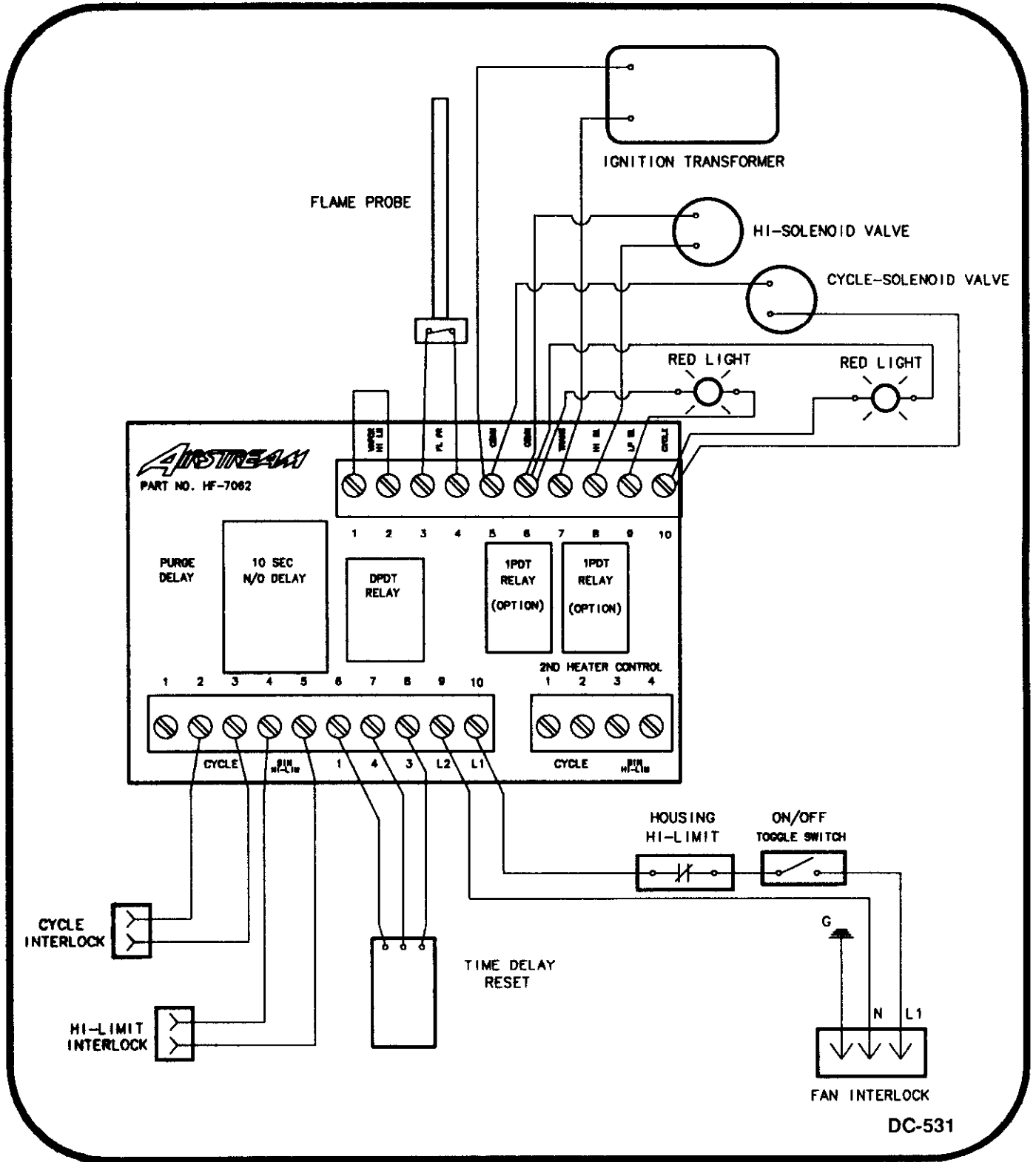
STANDARD OR MODULATING VALVE UNITS NATURAL GAS \ PROPANE VAPOR WIRING DIAGRAM



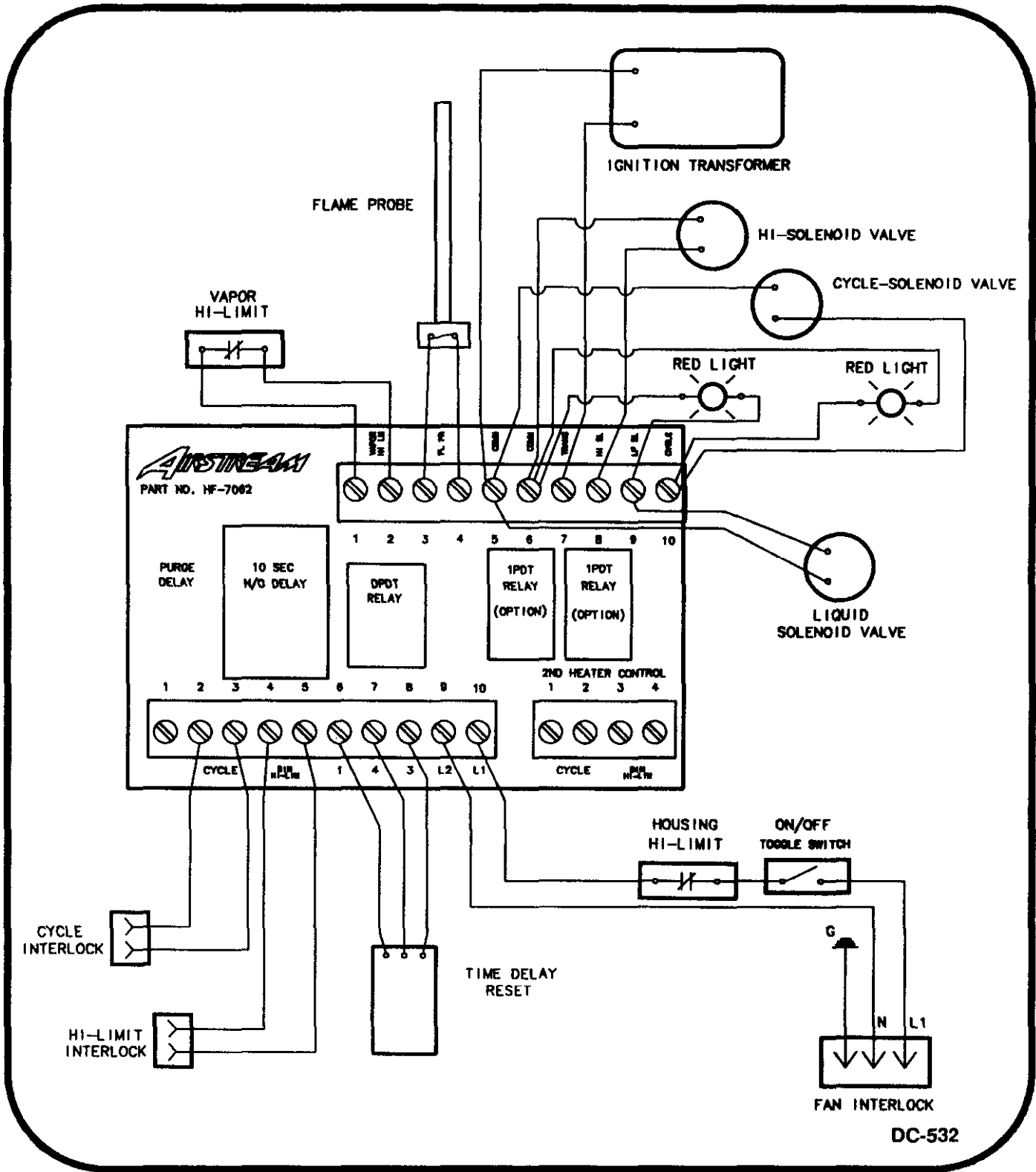
STANDARD OR MODULATING VALVE UNITS LIQUID PROPANE WIRING DIAGRAM



HIGH-LOW FIRE UNITS NATURAL GAS \ PROPANE VAPOR WIRING DIAGRAM



HIGH-LOW FIRE UNITS LIQUID PROPANE WIRING DIAGRAM



2ND HEATER INSTALLATION

FOR UNITS USING HF-7062 CONTROL BOARD

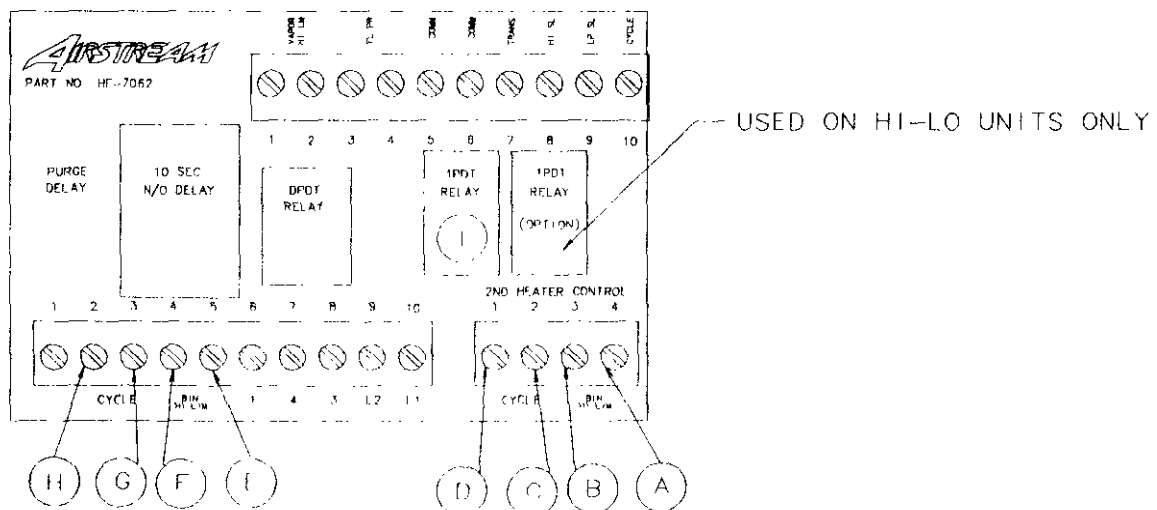
2nd Heater Control is Available with the HF-7062 heater control board. For standard units (1) TD-100282 Relay must be installed. For HI-LO Units (2) TD-100282 Relays must be installed. **INSTALLATION SHOULD BE MADE BY A QUALIFIED ELECTRICIAN.** When points are called out in instructions they are in reference to points on drawing below text.

INSTALLATION (STANDARD UNITS)

1. Plug TD-100282 Relay into left 1 Pole relay socket on HF-7062 Control Board (This is the socket closest to the 2PDT relay on Board See Drawing point I).
2. Run (2) wires from Main Heater (Heater that TD-100282 Relay was installed in) to 2nd Heater.
3. Connect wires to terminals 3 and 4 (Points A and B) of 2nd heater control terminal strip in the Main heater.
4. Connect wires to terminals 4 and 5 (Points E and F) on lower left hand corner of HF-7062 board in 2nd heater or install 2 prong plug on wires and plug into front of control box in receptacle marked CYCLE.

INSTALLATION (HI-LO UNITS)

1. Plug (2) TD-100282 Relays into empty sockets on HF-7062 Control Board in Main Heater.
2. Run (4) wires from Main Heater (Heater that TD-100282 Relays were installed in) to 2nd Heater.
3. Connect 2 of the wires to terminals 1 and 2 (Points C and D) of 2nd Heater control terminal strip in Main heater.
4. Connect other end of these wires to terminals 2 and 3 (Points G and H) on lower left hand corner of HF-7062 board in 2nd Heater or install 2 prong plug on wires and plug into front of control box in receptacle marked CYCLE.
5. Connect other 2 wires to terminals 3 and 4 (Points A and B) of 2nd Heater control terminal strip in Main heater.
6. Connect other end of these wires to terminals 4 and 5 (Points F and G) on lower left hand corner of HF-7062 board in 2nd Heater or install 2 prong plug on wires and plug into front of control box in receptacle marked HI-LIMIT.



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