

SALES GUIDE



VAL6 Manufacturer Info.

1914 - Shizuoka-seiki Co. Ltd. is established in 1914 1974 - The first VAL6 Heater was manufactured

"For over 30 years, VAL6 Heater is the Number 1 portable infrared heater in Japan."



Shizuoka Seiki Co., Ltd.

4-1 Yamana-cho,Fukuroi-shi,Shizuoka-ken 437-8601 Japan Phone: +81-538-23-3990 Fax: +81-538-23-3192 E-mail: international@shizuokaseiki.com
URL:http://www.shizuoka-seiki.co.jp/eg.html

USA Contact: JTI Trade Inc. 9555 Owensmouth Ave., Suite #1 Chatsworth, CA 91311 val6.com / (877) valval6 or (818) 718-1058











CONTENTS

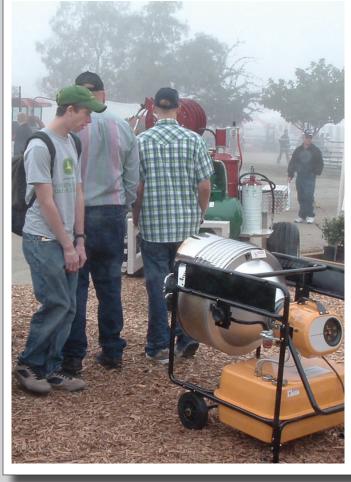
Sales Manual

Key Factors Power of Val6 Clean Burning Heater: VAL6 Second to None Ultimate Forced Air Heater Hot Gun Sales/Rental Applications VAL6 Summary	7 9 11 12
Service Manual	
Specifications and Components	19
Burner Control Wiring Daiagram	
Troubleshooting	
Timing Sequences	
How to Inspect	
Preventative Maintenance	
Inspection & Cleaning of Flame Monitor	
How to Restore Fuel Flow	
Parts List	

EPX	35
KBE5S & L	
KBE1JA	48
HOT GUN 125NA	
DAYSTAR	58

SALES MANUAL







Presenting Key Factors

WHAT IS BTU? - WHAT IS HEAT? HOW DO YOU MEASURE HEAT?

BTU

BTU expresses the amount of the thermal energy required to raise one pound of water one degree Fahrenheit

SURPRISING TRUTH ABOUT BTU RATING IN THE HEATER **INDUSTRY**

Rated BTU is basically derived from fuel consumption of the heater rather than its actual ability to heat.

Therefore, high BTU rating does not warrant high heat output!!

UNDERSTANDING HEAT OUTPUT

Fuel to energy conversion ratio.

What precent of the consumed fuel is perfectly combusted?

Smoke, smell or eye irritation are typical signs of incomplete combustion which leads to lower fuel to energy combustion ratio.

APPLICATION EFFICIENCY (Actual heat transfer)

How much of the heat generated actually is received by the object which is to be heated.

Moving air, wind chill or rise of heated air affects application efficiency. VAL6's near perfect combustion combined with high heat transfer makes new formula for the heater selection.

VAL6 experiences ZERO HEAT TRANSFER LOSS due to humidity, misty conditions, high winds or high wind chill factor, unlike any forced air heaters.

- Lowest possible rated BTU (Fuel consumption)
- + Highest possible Heat output (Actual heat recieved)
- = THE BEST BUY!

Huge Fuel Savings!

Over \$1,650 Fuel **Cost Savings** within a Season (4 Months)!







VAL6 Infrared Heater 111,000 BTU rated

with VAL6

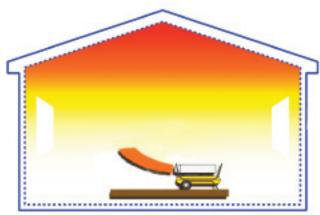
Amount of Diesel fuel required per hour

0.85

gal

Heating Cost for 1 month based on \$2.00/gal, 8 hours/day

\$272.00



Conventional Forced Air Heater 300,000 BTU rated

with Forced Air

Amount of Diesel fuel required per hour

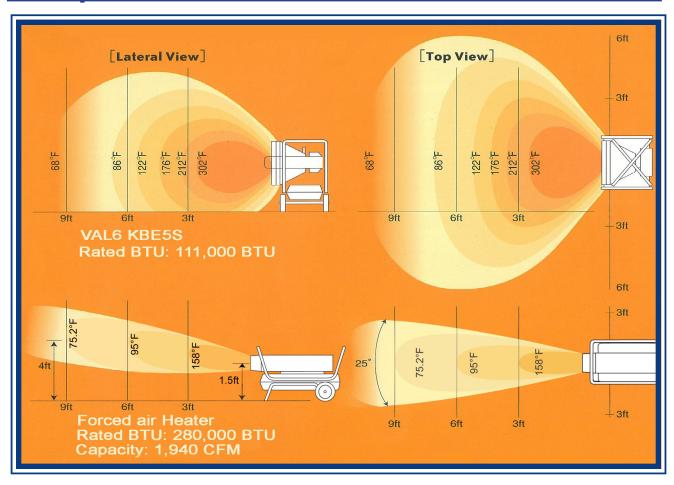
2.14

gal

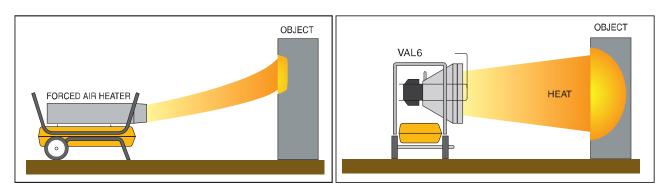
Heating Cost for 1 month based on \$2.00/gal, 8 hours/day

\$685.00

Comparison Chart with a Forced Air Heater



VAL6 KBE5S can efficiently heat up to three times the area compared to conventional space heaters with 1/3 the fuel usage



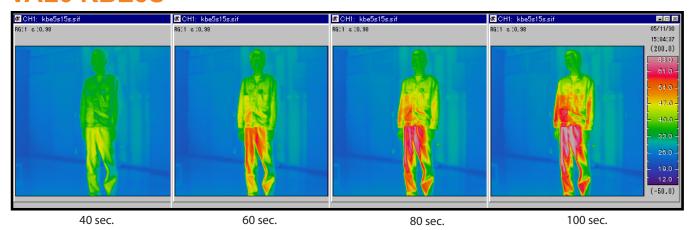
VAL6 Radiant Series are not affected at all under these conditions:

EXTREME HUMIDITY · OUTDOORS OR MISTY HIGH WINDS · HIGH WIND CHILL FACTOR

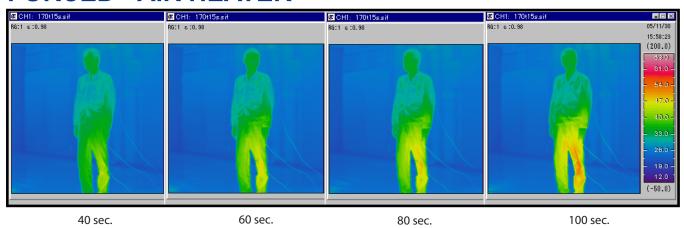
NATURE OF VAL6 RADIANT SERIES VAL6 KBE5S vs. FORCED - AIR HEATER WITH CROSS WIND

Cold winds affect the heating efficiency of conventional forced air heaters.

VAL6 KBE5S



FORCED - AIR HEATER



Cross wind - 6.7 ft/sec. Distance to object - 5ft

COMFORTABLE ENVIRONMENT

One of the main purposes of using a heater is not only raising air temperature but creating a comfortable (working) environment.



senses are good detectors for finding out comfort level

EYES Irritation from smoke or dust

EARS Noise level leading to disturbance

NOSE Unpleasant odor and unhealthy exhaust

Modern detectors used on VAL6 for carbon monoxide exhaust measured just 1 to 2 parts per million for diesel fuel #2.

CPSC(Consumer Product Safety Commission) suggests a National Indoor Air Quality Guideline of 15 ppm for an average of 8hours and not to exceed 25 ppm for an average of an hour.

VAL6 RADIANT SERIES ARE VERY EFFICIENT INDOORS!



VAL6 Infrared heater:

Puts heat precisely when and where you need it. Once objects absorb infrared heat, they begin to re radiate this heat into their surroundings to help heat larger area.



Convection Heater:

Without exception, the area recieving the most heat is always the ceiling. This heater would not be able to warm people or objects that are close to the floor effectively or economically.

WHAT MAKES VAL6 HEATERS A CUT ABOVE THE REST?

Chamber

An optimally designed chamber creates a near perfect fuel/air mixture enabling temperature to reach 1800° F.

Insulator

A one piece constructed ceramic wool insulator produces a higher rate of heat retention.

Radiation Disk

Heat absorbed by the radiation disk can reach 1500°F to radiate sun-like heat. The unique construction of the VAL6's radiation disk emits heat rays to wider areas.

Perfect Atomization System

Highly efficient air/fuel mixing is achieved in the well insulated and high capacity chamber which is different from ordinary systems which pass massive air through a small main chamber. VAL6's perfect atomization system enables stable and perfect air/fuel mixture to produce very high heat output.

heaters.

ULTIMATE FORCED AIR HEATER HOT GUN HG125NA

Ultimate forced air heater with VAL6 technology Hot Gun uses the same VAL6 burner technology which gives similar performance as other VAL6

- Semi-enclosed chamber to burn fuel efficiently unlike ordinary forced air heaters
- ✓ Fuel Miser / Only 0.85 Gallons per hour fuel consumption
- ✓ 2 independent fans: one for combustion and other for carrying out hot air for efficient burning process
- ✓ Very quiet operation: Low rpm fan yet high CFM. Specially angled fins for optimized flow of air and quiet operation.

- ✓ Operation time is 16 hours
- ✓ Low carbon monoxide emission



WITH

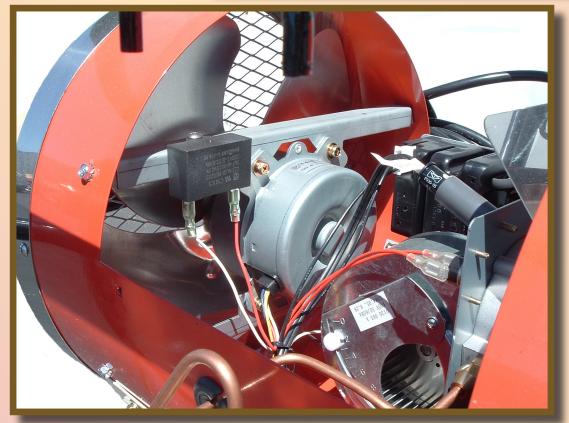
Ability to heat a larger space quickly &

Quiet Operation creating comfortable work environment.

INTERNAL MECHANISM OF HOT GUN IS VERY SIMILAR TO VAL6 HEATER







Optimized Quite Fan on back of Hot Gun

Comparison:

VAL6 KBE5S/L Internal Mechanism

Very
Similar to
Hot Gun
125NA

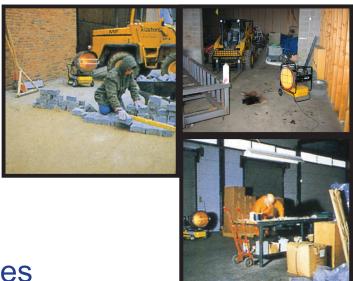






VAL6 RADIANT SERIES Sales / Rental Applications

- Construction
 - Drywall
 - Masonry
 - Painting
 - Plumbing
- Mining and Oil Services
- Automotive, Bus and Truck Industries
- Sports Industry, Arenas and Tent Heating
- Highway maintenance and Snow Removal
- Aircraft/Airport Maintenance Thawing
- Military and Government
- Metal Fabrication
- Fire and Rescue
- Farming
- Dairy Industry





SUMMARY

- VAL6 is the most efficient heater per BTU on the market today.
- VAL6 is very effective even under conditions of snow, wind or rain.
- VAL6's effectiveness in heating objects in target area eliminates heat loss to ambient air.
- VAL6's directional infrared penetrates into objects which re-radiate heat resulting in quicker drying times and better overall heat retention.
- VAL6's penetrating infrared rays heat people quicker and more efficiently, resulting in a longer lasting, more comfortable heating effect (Unlike conventional heaters which only heat the air.)
- VAL6's infrared heat creates a comfortable environment. VAL6 emits no smell or smoke while operating and has low noise levels and virtually undetectable carbon monoxide emissions.
- VAL6 costs much less to operate because it uses far less fuel than conventional heaters.

SERVICE MANUAL Sales Manual [©] **VAL6 SALES GUIDE**

1 Specifications

Type VAL6 KBE5S/KBE5L 111,000BTU/h Heat Output Kerosene, Diesel Fuel Tank Capacity 9 gallons/15.1gallons

Fuel Consumption 0.85gallon/h

Power Source 120V, 60Hz single phase

Power Consumption 100W

Ignition System High Intensity Discharge

External Dimentions (L/W/H) KBE5S 36.1/25.8/27.3 (inches)

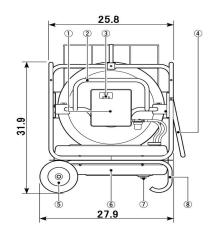
KBE5L 40.2/28.0/27.4 (inches)

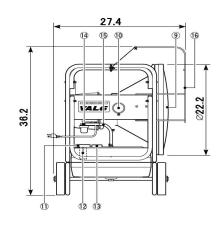
Safety Device Photocell Flame Monitor

Overload Check Device 3A Fuse

Dry Weight 83.8lbs/92.7lbs

2 Names of Components

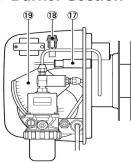




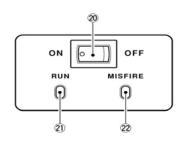
- 1 Burner Cover
- 2 Burner Handle
- 3 Switch Section
- 4 Transport Handle
- ⑤ Wheel
- 6 Fuel Tank
- 7 Drain Bolt
- **8** Tank Legs
- Radiation Disk
- 10 Knob Bolt

- 11 Fuel Cap
- 12 Tank Inlet Filter
- 13 Fuel Gauge
- 14 Fuel Filter
- 15 Fuel Suction and Return Hoses
- 16 Protector
- 17 Flame Monitor (Flame Eye)
- 18 Fuse
- 19 Fan Motor

Burner Section



Switch Section



20 Operating Switch

This ignites or extinguishes the flame.

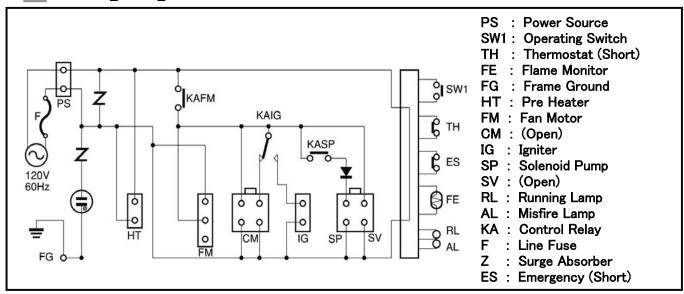
21 Operating Lamp

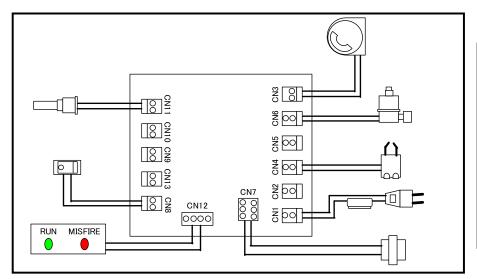
This is lit while (the heater is)operating and flashes while (the heater is) cooling down.

22 Misfire Lamp

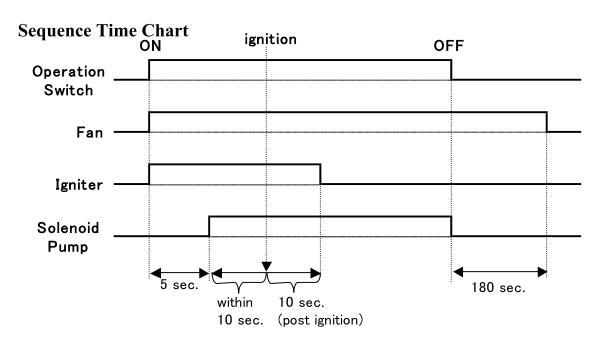
This flashes when the flame is extinguished.

Wiring Diagram of Burner Control





Connector No.	
CN1	Power Source
CN2	_
CN3	Fan Motor
CN4	Ignition Transformer
CN5	_
CN6	Solenoid Pump
CN7	Transformer
CN8	Operating Switch
CN9	Thermostat (Short)
CN10	_
CN11	Flame Monitor
0110	Running Lamp,
CN12	Misfire Lamp
CN13	-



VAL6 KBE5S Troubleshooting

Fault Condition page The lamp does not light on 1 The heater does not start 22 Misfire lamp is lit Fuel pump does not operate at all No fuel or a little fuel is pumped up 2 The heater does not ignite 23 Ignition coils does not spark. Sequence of operation is normal, but it doesn't ignite 3 | Misfire within 25 seconds after ignition | Misfire lamp is lit 24 Combustion stop during the operation Misfire lamp is lit 24 25 5 Smell of unburned fuel 6 Smokes 25 7 Combustion is not stable 8 Fuel leaks When the heater is plugged in 9 Fuse blows out When the switch is turned on 26 5 seconds after turning on the heater 10 Restore the fuel flow (ignition) 34

13 VAL6 KBE5S Troubleshooting

Note: If the problem(s) is electrical, disconnect all terminal connectors on the circuit board and reconnect one at a time. Make sure all contact points are securely connected

Fault Con	Fault Condition		How to check	Remedy	Ref.
		Heater power cable is not receiving electricity	Plug in another power tool and see if it works	Plug into a working outlet	
		Blown fuse		Replace fuse	Picture 8 Picture 9
		Defective transformer	Measure voltage at output side of transformer connector (CN 7) and if it reads 0	Replace transformer	
			Standard: about AC15V (purple-purple)		
		Defective operation switch	Take operation switch connector (CN 8) out, then check lead with multimeter: if not conducting	Replace operation switch	
			Standard: Conducting (0Ω) when turned on switch		
		Defective circuit board	Measure voltage at input side of transformer connector (CN 7) and if it reads 0V	Replace circuit board	
			Standard: AC120V (white-red)		
	lit.	Loose terminals on circuit board	Check by wiggling the terminals	Firmly connect terminals on circuit board	Picture 6
	Misfire lamp is lit.	Flame monitor sensor malfunctions or direct sun hits flame monitor		Move disk away from direct sunlight or bright light source.	
		Defective circuit board	Do above test and if it fails to start	Replace circuit board	

Fault Condition		Possible Cause	How to check	Remedy	Ref.
2. The heater does not ignite. Fuel pump does not work.		Defective fuel pump	Measure voltage at output side of fuel pump connector on circuit board: must read 60-96V if not	Replace fuel pump	
Please refer to the section: How to Restore Fuel Flow		Defective circuit board	If multimeter reads 0V: Standard: AC60~96V (red- blue)	Replace circuit board	
	No fuel or a little fuel is pumped up.	Fuel line is clogged		Clean fuel lines Clean and flush the tank with kerosene, alcohol or acetone	
		Filter is clogged	Check condition of filter	 Replace filter Clean and rinse the tank with kerosene, alcohol or acetone 	
		Nozzle is clogged	Please refer to the section: How to restore Fuel Flow	Replace nozzle Clean and rinse the tank with kerosene, alcohol or acetone	
		Loose fittings on fuel lines		Tighten all fittings	
		Fuel pump is clogged, or damaged	Please refer to the section: How to restore Fuel Flow	Replace fuel pump	Picture 4
	Ignition coils do not spark.	Defective ignition coils	Measure voltage at ignition coils connector (CN4) on circuit board: if it reads 120V	Replace ignition coils	
		Defective circuit board	Standard:AC120V (black- black)	Replace circuit board	
	operation is	Electrode is out of alignment	Measure the alignment of electrode	Replace electrode	
	normal, but it doesn't ignite	Inadequate amount of air	Check gate opening of fan motor	Adjust gate opening. Normal scale: 3	_

Fault Co	Fault Condition		How to check	Remedy	Ref.
3. Misfires Misfire la within 25 is lit. seconds after		Loose flame monitor	Remove plastic cover, and check if the flame monitor is in	Firmly connect the monitor	
ignition.		Dirty flame monitor lens	Take flame monitor out, and check condition of its lens	Clean the sensor with soft cloth	
			Remove burner, and check draft tube and vane	Clean draft tube and whirl vane	Picture 8
			Check the air inlet opening	Open at scale: 3	
		Loose connection of flame monitor	Plug flame monitor connector (CN 11) in again, then turn on	Plug connector (CN 11) firmly	
		Defective flame monitor	Unplug flame monitor connector (CN 11), then check transition of resistance by changing quantity of light into flame monitor	Replace flame monitor	
4. Misfires during	Misfire lamp is lit.	Air leak	Check all fuel fittings	Tighten all fittings	
operation.		Insufficient amount of pumping fuel because vacuum forms in tank	Check if air intake of fuel gauge is clogged with dust	Clean air intake of fuel gauge	Picture 10
		Lack of light detected by flame monitor	Take flame monitor out, then check the lens	Wipe lens of flame monitor with soft cloth	
			Remove burner, then check draft tube and vane	Clean draft tube and whirl vane	Picture 7
		Defective flame monitor	Unplug flame monitor connector (CN 11), then check the movement of resistance by changing quantity of light into flame monitor	Replace flame monitor if no change	
		Nozzle clogged	Please refer to the section: How to restore Fuel Flow	Replace nozzle	

Fault Condition	Possible Cause	How to check	Remedy	Ref.
5. Smell of unburned fuel.	Too much air getting into the combustion chamber	Check gate opening of combustion air inlet	Adjust gate opening. Normal scale: 3	
	Leaky fuel line, tank		Inspect possible area and correct the problem	
	Cross thread of the nozzle		Take out and retighten the nozzle	
	Wrong orifice on the nozzle	Check makers stamp of the nozzle Mark: 0.85USgal/h 60°H	Replace with a correct nozzle	
6. Smokes.	Insufficient air	Check opening and fan	Adjust the opening to #3 and if necessary, clean the fan.	
	Fan turns at low speed	Measure voltage at power source connector	Check voltage	
	(Power source voltage is insufficient)	Standard: AC120V		
	Nozzle clogged	Please refer to the section: How to restore Fuel Flow	Replace nozzle	
	Wrong orifice on the nozzle	Check makers stamp of the nozzle Mark: 0.85USgal/h 60°H	Replace with a correct nozzle	
7. Combustion Air leak is not stable.		Check all fuel fittings	Tighten all fittings	
8. Fuel leaks.	Refer to #5. section			
	Defective gasket	Remove drain bolt after removing fuel from tank, and check the gasket	Replace drain gasket	
	Too much fuel in the tank	Check the fuel level	Drain excess fuel	

Fault Condition 9. Fuse blows out plug is put into the outlet.		Possible Cause	How to check	Remedy	Ref.
		Defective transformer	Disconnect transformer connector (CN 7), then measure coil resistance values of two leads Standard: about 350Ω	If either lead shows 0Ω , the transformer is defective:replace	
			(white-red) Standard: about 9Ω (purple-purple)		
			Without using a multimeter		
			Disconnect transformer connector (CN 7), then put plug into AC outlet	If the fuse is intact, the transformer is defective:replace	
	When the switch is turned on.	Defective fan	Disconnect fan connector (CN 3), then measure resistance between terminals	If value reads 0, replace the fan	
			Without using a multimeter		
			Unplug fan connector (CN 3), and then start operation	If the fuse is intact, replace the fan	
		Defective ignition coils	Disconnect ignition coils connector(CN 4) from circuit board, then measure resistance between terminals	If the value shows 0Ω , the ignition coils is defective:replace	
			Without using a multimeter	-	
			Disconnect the connector (CN 4) from ignition coils, and then turn on	If fuse is intact, ignition coils is defective	
	About 5 seconds after turning on	Defective pump	Disconnect fuel pump connector (CN 6), then measure resistance between terminals	If the value shows 0Ω, the pump is defective:replace	
			Without using a multimeter		
			Disconnect fuel pump connector (CN 6), then turn on	If fuse is intact, pump is defective	

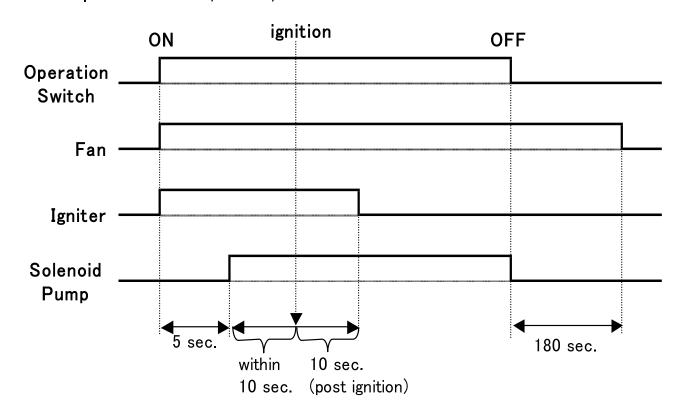
Chart 1 Standard resistance of functional parts

Parts	Connector No	Lead	Condition	Resistance	Remarks
Operation Switch	CN8	Yellow-Yellow	on	0Ω	
Operation Switch	CINO	1 GIIOW- 1 GIIOW	off	∞Ω	
Photo Cell	CN11	CN11 Black-Black		over $2M\Omega$	
r noto cen	CIVIT	Diack Diack	light	under 10KΩ	
Transformer	CN7	Red-White	input	about 350Ω	
Transionnei	CIVI	Purple-Purple	output	about 9Ω	
Ignition Coils	CN4	Black-Black	input	-	
Igrillion Colls	CINT	Diack Diack	output	about 4.5KΩ	
Fuel Pump	CN6	Red-Blue	-	about 130Ω	
Fan motor	CN3	Gray-Gray	-	about 10Ω	gate: Normal scale 3 (60Hz) *

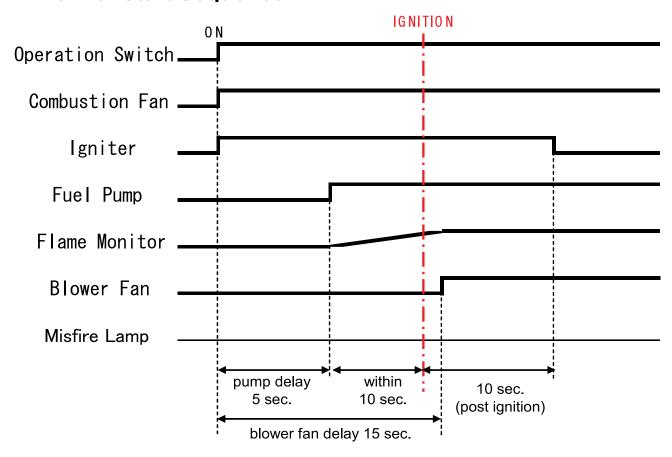
Chart 2 Input & Output of Circuit Board

Parts	Connector No	Lead	Condition	Voltage
Power code	CN1	Black-White	-	AC 120V (±10%)
Transformer	CN7	Red-White	input	AC 120V (±10%)
Transionnei	CIVI	Purple-Purple	output	about AC 15V
Ignition coils	CN4	Black-Black	input	AC 120V (±10%)
Fuel Pump	CN6	Red-Blue	-	AC 60~96V
Fan motor	CN3	Gray-Gray	60Hz 50Hz	AC 120V (±10%)

Time Sequence of KBE5S, KBE5L, and Hot Gun 125NA



Time Sequence of Daystar **《Normal Start Sequence》**



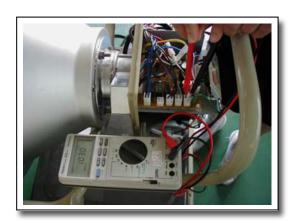
Picture 1 How to measure the resistance

- 1 Pull out a connector which you will measure from the burner
- 2 Turn on the resistor and set resistor range3 Insert the lead head of resistor to connector [lead wire side] and measure the resistance



Picture 2 How to measure the voltage

- 1 Turn on the heater
- 2 Turn on the resistor and set AC voltage range
- (3) Insert the lead head of resistor to connector and measure the resistance



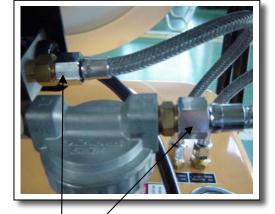
Picture 3 Removing the burner



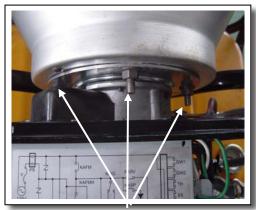
screw

Unscrew two screws and remove the burner cover





Unscrew two silver nuts with holding gold nuts and remove two fuel hoses



Nut Unscrew three nuts and remove the burner



Picture 4 Inspection of the fuel pump



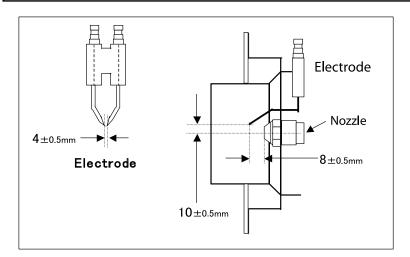
Loosen the brass nut, then check whether fuel comes out (The switch must be turned (NO

If fuel is not flowing a minmum of 2" review the "How to restore the fuel flow" on page 33.

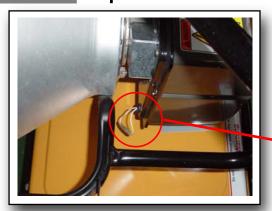
Standard pressure 99 psi (±4)

Picture 5 Position of the electrode

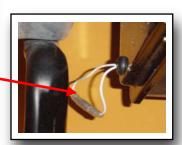
Manufacturer does not recommend to adjust the electrode gap since they are too sensitive to align correctly



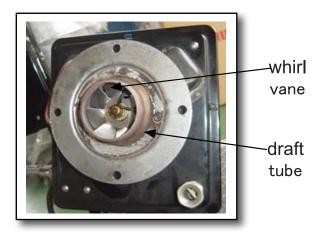
Picture 6 Inspection of the terminals for control device



Check whether the terminals for control device are connected firmly



Picture 7 Inspection of draft tube and fan



Clean in and out as needed

Picture 8 Inspection of fuse 1

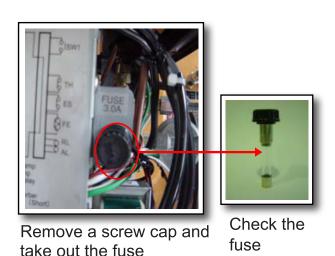
Object Serial Number: 01S, 01R, 01Q-030000



Open the fuse box and check the fuse

Picture 9 Inspection of fuse 2

Object Serial Number: 01Q-040000, 01P, 01N



Picture 10 Clean up fuel gauge





If air intake of fuel gauge is clogged, clean it

Preventive Maintenance

Inspection of the tank inlet filter

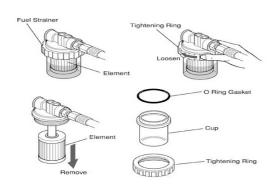
- Remove the fuel cap and check inlet filter
- If the inlet filter is dirty, clean it with fuel
- Place the inlet filter back and tighten the fuel cap



Inspection of the filter and drainage of water from the fuel tank

Checking the filter element

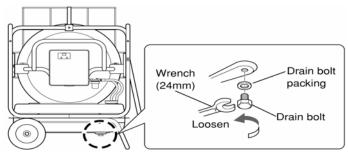
- If the filter element is dirty, replace with a new one
- If dirt or water is found in the cup, clean the cup thoroughly and proceed to next section



Flush the fuel tank

- Drain contaminated fuel from the bottom of the fuel tank by removing the drain bolt
- Place the drain bolt back and pour some clean kerosene or alcohol into the fuel tank
- Shake and tilt the heater to clean as much inside the tank as possible

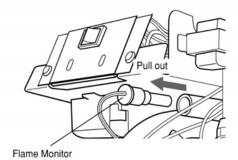
- Remove the drain bolt again to drain the dirty fuel If algae like substances are found in the tank, a new tank will be needed
- Put the drain bolt back and tighten firmly

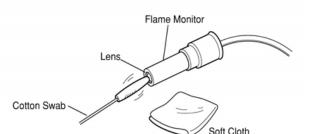


Inspection and cleaning of the flame monitor

Note - When removing the flame monitor, hold it from the plastic head NOT from the cord.

- Remove the burner cover and pull out the flame monitor
 Check the photo receptor
- If the sensor is dirty, wipe the photo receptor
- Place the sensor back into the position It will click when the flame sensor has been replaced correctly.





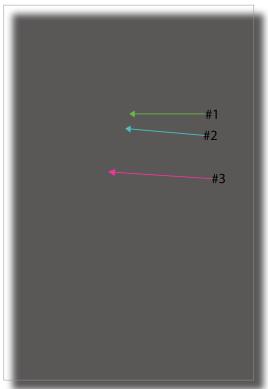
How to restore the fuel flow (correct firing)

If the heater produces a lot of black smoke, is difficult to fire or never ignites; please perform the following procedures before replacing the pump and /or nozzle.

- Make sure that the pump comes on (can feel bibration and hear the vibration). This will not occur until after the switch has been turned on and you wail for 5 seconds.
- 2. Make sure that the electrode is sparking. You will hear this sparking and can see through the front disk right after turning on the heater. (take the heater to shady area for this spark check)

If the above items all check out good and the unit is still not firing, place a pan under the pump to collect fuel during the next procedures.

(If either 1 or 2 is the case, please refer to the troubleshooting)



Procedure

Unscrew the brass fitting #1 completely and push it aside, so that the fuel outlet nipple #2 can be visible.

Turn on switch and look for fuel coming out of #2.

The fuel flow must be at least 2" high.

If the required fuel height is met, only the nozzle should be replaced.

If no fuel is coming out or only a trickle, remove #3 flat head screw, and turn on the switch.

After a few tries, fuel should squirt out #3.

It should shoot out aout 12."

If you only get a tricke, or no fuel, there may be several factors contributing to the clogging.

please contact us for further assistance.

(Toll free number is 877-VAL-VAL6)

If you have a good flow at #3, reconnect the flat head screw and turn on switch. The fuel will flow at #2 and if it is a constant flow minimum of 2" in height, turn off switch and reconnect the fitting #1.

If there is not a sufficient fuel flow or no fuel at all, contact JTI for further evaluation.

NOTE:

Insufficient amount of the fuel at the nozzle may cause theunit not to ignite and the raw fuel that drips on the insulator will cause the black smoke when the heater does ignite.

Shizuoka Seiki Co., Ltd.



http://www.shizuoka-seiki.co.jp/eg.html

THE MOST POWERFUL, YET EFFICIENT VALGEVER

With the enlarged combustion chamber/disk and improved atomization, coexistence of power and economy is now possible with EPX.

Larger Radiation Disk

Compared to our regular VAL6 series, the radiation disk is 20% larger.

Because of this, the EPX is able to radiate the infrared heat to objects further and wider away.

High/Low Output Control

The EPX has a High and Low output control that enables its user to choose between a high or low out thus making it very economical.



Long Operational Time

With a 15 gallon tank, the EPX is able to operate continuously for 20 hrs with low output setting and 15 hrs with high output setting which enables it operate all night without refueling.

Variety of Safety Features

Because of the various safety features, the EPX can be used in a safer manner.

Prevention of Overheating:

To prevent malfunction, the heater has an automatic shutdown system when main body reaches temperatures above normal level. **Tip-over Protection:**

Heater will automatically shut off when heater falls or receives a strong impact.

Overvoltage Detection:

To prevent malfunction of main components, heater will automatically



Built in heater for Fuel Line

As ambient temperature decreases, viscosity increases, to counterbalance this effect, a heater is built into the fuel line to keep the fuel moving smoothly.



ALG



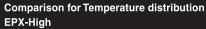
Built in Thermostat

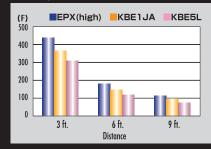
Surrounding temperature can be maintained by the

built in thermostat which is a standard equipment.

An external thermostat can also be connected via a connector to control temperatures that are a distant way possible.







Advanced Monitoring System

The color indication lamps are equipped in the main control panel. Not only it makes the mode of operation available but prompt

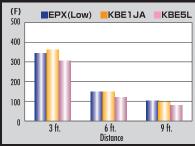
troubleshooting is now possible by attaining precise information via various safety devices.



Improved Combustion Efficiency

The new EPX model's combustion efficiency has been improved. When compared to KBE 1JA, the EPX can heat further and wider than the 1JA. However, even at the lower setting, the EPX is able to heat just as well with less fuel consumption.

EPX-Low



shut down when it detects over voltage conditions.

Flame Monitor:

Flame monitor will shut heater off if it detects low flame or no flame **After Power Outage:**

Prevention of automatic restart when power returns after a pow

This is to prevent fire or undectable accidents when power is resto after a power outage.



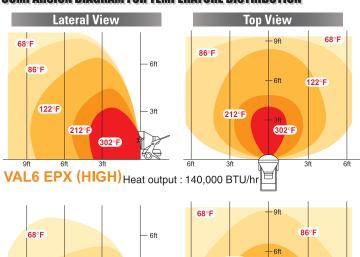
THE MOST ADVANCED VAL6 EVER

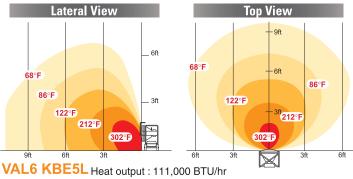


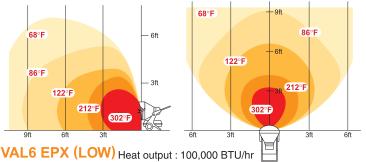


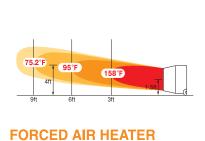


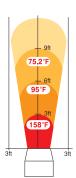
COMPARSION DIAGRAM FOR TEMPERATURE DISTRIBUTION











SPECIFICATIONS

86°F

Model		EPX5		
Heat Output		High:	140,000 BTU/hr	
rieat Output		Low:	100,000 BTU/hr	
Fuel Type		Diesel,	Kerosene	
First Communities		High:	1.02 gallon/hr	
ruei Consumption	Fuel Consumption		0.75 gallon/hr	
Tank Capacity		15.4 ga	allons	
0 " "		High:	15 hours	
Operating Time per I	-uii iank	Low:	20 hours	
Power Source		120V, 6	60Hz	
	in ignition	123 W		
Power Consumption	in operation	High:	97 W	
	in operation	Low:	96 W	
Naise Level (in anom	-4: - · · ·	High:	67 dB (A)	
Noise Level (in opera	alion)	Low:	63 dB (A)	
External Dimension	$(H\times W\times D)$	38.2×	25.4×48.6 in	
Dry Weight		110 lbs	3	
		Photoc	ell flame monitor, 3A Fuse,	
Safety Devices		Overhe	eat protection, Tip-over switch,	
		Overvoltage detector		

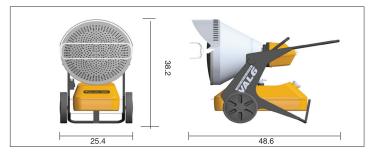
OPTIONAL ACCESSORY

Heat output: 280,000 BTU/hr



To prevent fire or damage to combustible floor surfaces, always use a "Heat Shielding Mat" when operating a VAL6 series.

Materials of Heat Shielding Mat: Glass cloth and Aluminum film Dimension of Heat Shielding Mat: $0.14\times47.25\times47.25$ in(H \times W \times D)

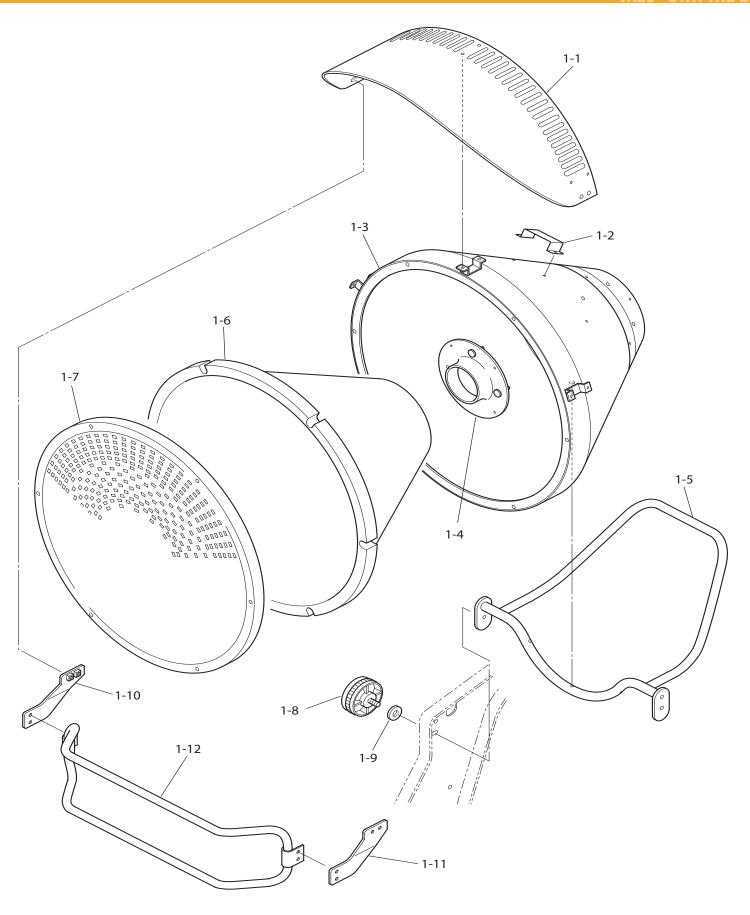


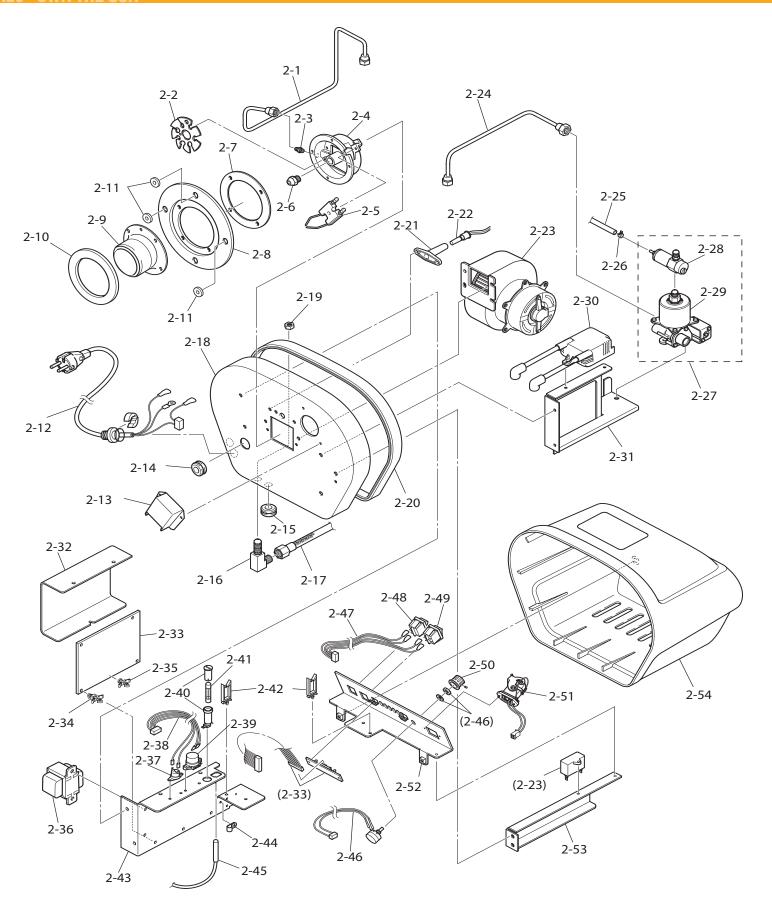
Shizuoka Seiki Co., Ltd. 4-1 Yamana-cho, Fukuroi-shi, Shizuoka-ken 437-8601 Japan

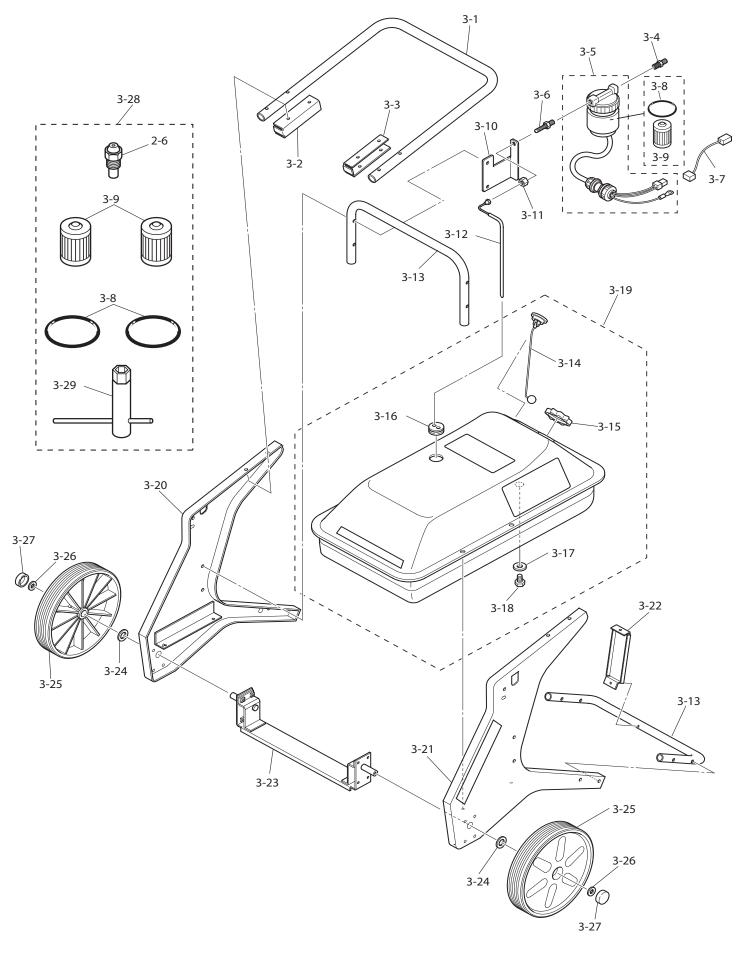
Phone: +81-538-23-3990 Fax: +81-538-23-3192

38 E-SaleseManualhizlokaVAL6nSALES GUIDE

URL:http://www.shizuoka-seiki.co.jp/eg.html







VAL6 EPX_Tank Section 09.03.26

EPX PARTS LIST

tem ID	Item Description	Note			
PX-1-01	VISOR		EPX-2-38	OVERHEAT SENSOR CABLE	
PX-1-02	CAUTION LABEL PLATE		EPX-2-39	TIP-OVER SMITCH	Same as KSL-8-44
PX-1-03	CONICAL HOUSING ASSEMBLY	Include EPX-1-2	EPX-2-40	FUSE HOLDER	Same as KSL-8-18A
PX-1-04	BURNER FITTING PIECE		EPX-2-41	FUSE	Same as KSL-8-17A
PX-1-05	SUPPORT PIPE		EPX-2-42	WIRE BINDING	
PX-1-08	CONICAL INSULATOR		EPX-2-43	CONTROL BOARD CHASSIS	
PX-1-07	RACHATION DISK		EPX-2-44	NYLON CLAMP	
PX-1-08	KNOB BOLT	Same as KSL-T-7	EPX-2-45	TEMPERATURE SENSOR	
PX-1-09	WASHER		EPX-2-46	INTERNAL THERMOSTAT CABLE	
PX-1-10	PROTECTOR BRACKET(L)		EPX-2-47	OPERATION SWITCH CABLE	
PX-1-11	PROTECTOR BRACKET(R)		EPX-2-48	CHANGE-OVER SWITCH	
FX-1-12	PROTECTOR ASSEMBLY		EPX-2-49	OPERATION SWITCH	
PX-2-01	FUEL OUTLET LINE		EPX-2-60	INTERNAL THERMOSTAT KNOB	
PX-2-02	WHIRL VANE		EPX-2-61	EXTERNAL THERMOSTAT	
PX-2403	NOZZLE NIPPLE			CONNECTOR	
PX-2-04	DIFFUSER	Same as KSL-8-8	EFX-2-62	OPERATING PANEL	
PX-2-05	ELECTROCE	Same as KSL-8-7A	EPX-2-63	OPERATING BRACKET	
PX-2-08	NOZZLE	LB5G H Only	EPX-2-64	BURNER COVER	
PX-2-8A	NOZZLE	11.75G	EFX-3+01	HANDLE	
PX-2-07	DIFFUSER GASKET	Same as KSL-8-3	EFX-3402	HANDLE STAY BRACKET(L)	
PX-2-08	BURNER FLANGE	Same as KSL-8-2	EPX-3+03	HANDLE STAY BRACKET(R)	
PX-2-09	BURNER COME	Same as KSL-8-1	EPX-3+04	FILTER HOSE NIPPLE	Same as KSL-8-15
PX-2-10	BURNER PACKING		EFX.3105	STRAINER HEATER	
PX-2-11	SPACER RING		EPX-3+08	ALTER NIPPLE	
PX-2-12	POWER CABLE		EPX-3407	STRAINER HEATER RELAY CABLE	
PX-2-13	ELECTRODE COVER	Same as KSL-8-8	EPX-3108	ORING	Same as KSL-8-38
PX-2-14	PLMP NOZZLE GREAMET		EPX-3+09	ALTER BLEMENT	Same as KSL-8-14
PX-2-15	φ16 GROMMET		EPX-3-10	FILTER FITTING BRACKET	
PX-2-16	RETURN LINE NIPPLE		EPX-3-11	MIPPLE FITTING NUT	same as EPX-2-19
PX-2-17	FUEL HOSE	L=450	EFX-3-12	SUCTION PIPE ASSEMBLY	
PX-2-18	BURNER BASE		EPX-3-13	SUPPORT PIPE	
PX-2-19	NIPPLE FITTING NUT	same as EPX-3-11	EPX-3-14	RUEL GAUGE	
PX-2-20	BASE GASKET		EPX-3-15	TANK CAP	
PX-2-21	FLAME MONITOR RECEPTOR		EPX-3-16	SUCTION RETURN PLUG	
PX-2-22	FLAME MONITOR COMPLETE		EPX-3-17	DRAIN BOLT GASKET	Same as KSL-T-21
PX-2-23	FAN MOTOR		EFX-3-18	DRAIN BOLT	Including EPX-3-17
PX-2-24	FUEL INTAKE LINE		EFX-3-19	FUEL TANK ASSEMBLY	
PX-2-25	RETURN HOSE		EFX-31-20	SIDE PANEL(L)	
PX-2-28	HOSE CLAMP		EFX-3-21	SIDE PANEL(R)	
PX-2-27	FUEL PUMP WITH AIR VENT VALVE		EPX-3-22	TANK SUPPORT BRACKET	
PX-2-30	IGNITION TRANSFORMER	Same as KSL-8-27	EFX-3-23	WHEEL BEARING ASSEMBLY	
PX-2-31	PLMP TRANSFORMER BRACKET		EFX-3-24	WHEEL SPACER	
PX-2-32	BURNER CONTROL COVER		EFX-3-25	WHEEL	
PX-2-33	BURNER CONTROL BOARD		EFX-3-26	WHEEL WASHER	
PX-2-34	CONTROL BOARD SUPPORT	Same as KSL-8-30	EPX-3-27	SHAFT CAP	
PX-2-35	CONTROL BOARD SPACER	Same as NA-8-11	EFX-3-28	REPAIR SET	
PX-2-36	STEP DOWN TRANSFORMER	Same as KSL-8-24	EPX-3-29	NOZZLE WRENCH	Same as KSL-8-38-2
PX-2-37	OVERHEAT SENSOR	1	VAL-THERMO-01	EXTERNAL THERMOSTAT INSERT	T

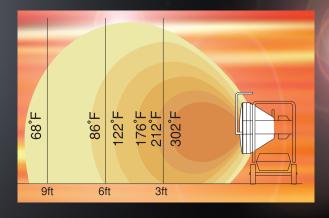
Year	2000/2000	2009/2010	2010/2011
Serial No.	()	0	F-++++

■ Heat Output

111,000 BTU/hr 9 gallons

■ Tank Capacity 9 gallon

KBE5S



PARTS LIST

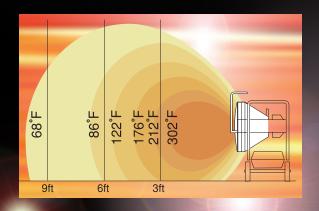
KBE5L

■ Heat Output

111,000 BTU/hr

■ Tank Capacity

15.1 gallons



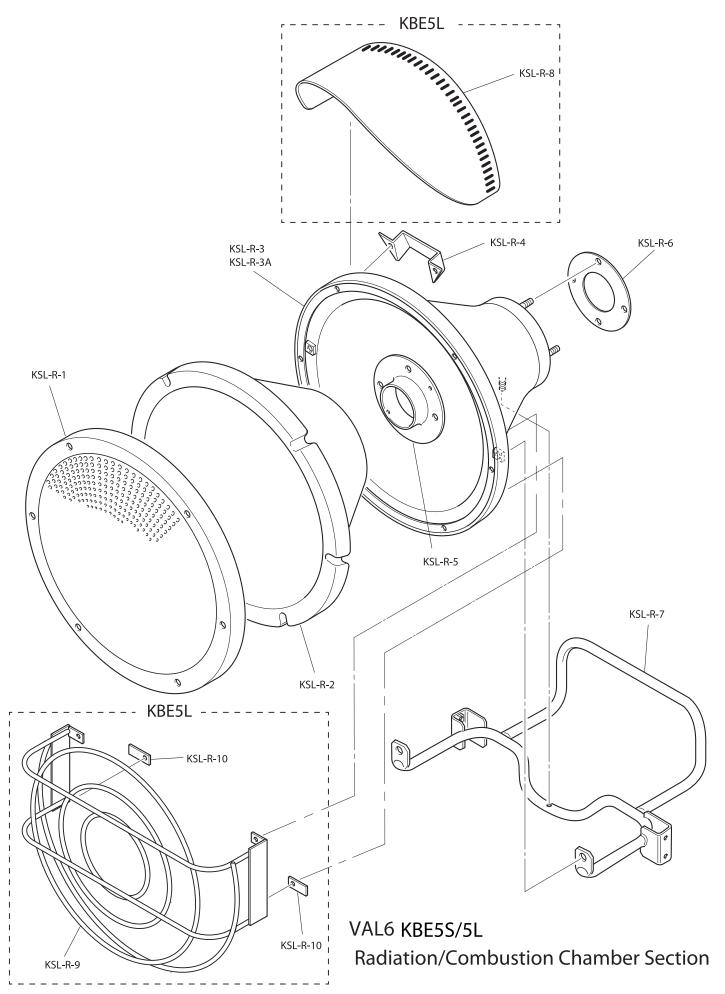


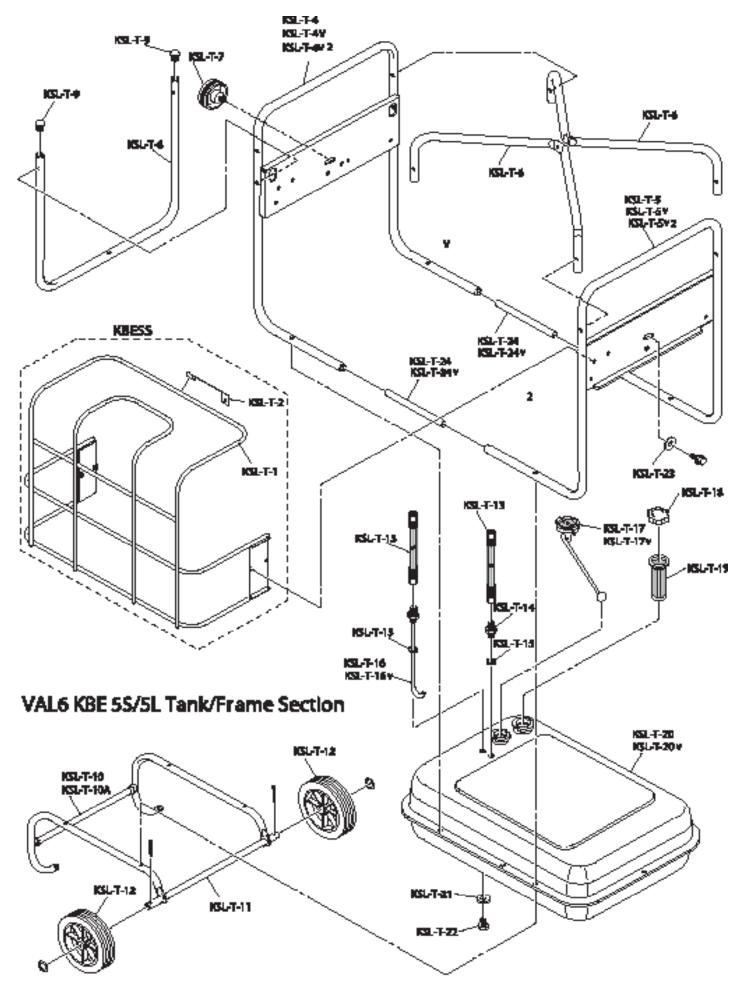
KBE5L & S PARTS LIST

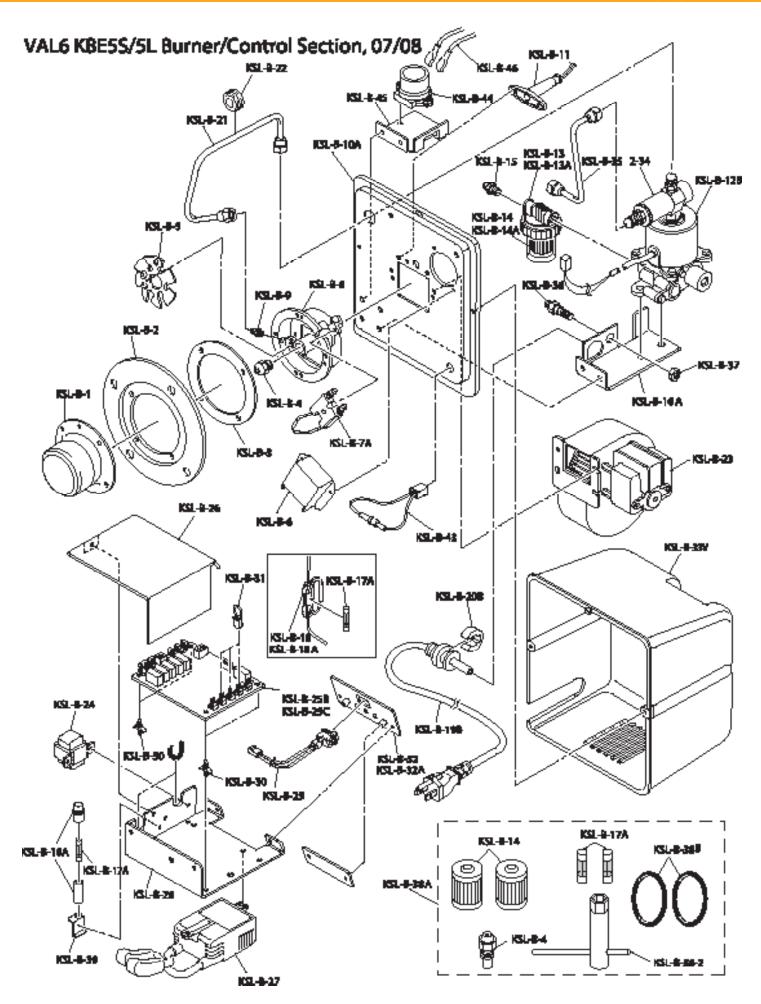
les D	tem Description	- Note
VAL-KSL-8-01	BURNERCONE	_
VAL-KSL-B-IIZ	BURNERFLANGE	
VAL-KISL-B-03	DIFFUSER GASKET	
VAL-KSL-8-04	NOZZIE	
VAL-KSL-8-05	WHIRL VANE	
VAL-KSL-8-08	ELECTRODE COVER	
VAL-KSL-8-07A	ELECTRODE	
VAL-KSL-8-08		
VAL-KSL-8-09	NOZZLE NIPPLE	
VAL-KSL-B-1DA		
	BURNER BASE FLAME MONITOR COMPLETE	
VAL-KSL-B-11		
VAL-KSL-8-128	RJEL PUMP WY AIR VENT VALVE	
VAL-KSL-B-13	RUBL RITTER COMPLETE	
VAL-KSL-8-14	ALTER BLEMENT	
VAL-KSL-8-15	ALTER MAPPLE	
VAL-KSL-8-16	PLAIP BRACKET	
VAL-KSL-8-16A	PUMP BRACKET	From I
VAL-KSL-8-17A	FLISE (3A)	
VAL-KSL-8-18	RUSE HOLDER	
VAL-KSL-8-18A	RUSE HOLDER	From Q+03
VAL-KSL-8-19B	POWER CABLE	
VAL-KSL-8-20B	CABLE STOPPER	
VAL-KSL-8-21	RUEL CUTLET LINE	
VAL-KSL-8-22	PLAIP NOZZLE GROMMET	
VAL-KSL-8-23	FAN MOTOR	
VAL-KSL-8-24	STEP DOWN TRANSFORMER	
VAL-KSL-8-25B	BURNER CONTROL	
VAL-KSL-8-25C	BURNER CONTROL	From J-D4 KBE55 unly
VAL-KSL-8-28	BURNER CONTROL COVER	•
VAL-KSL-8-27	IGNITION TRANSFORMER	
VAL-KSL-B-28	BURNER CONTROL CHASSIS	
VAL-KSL-8-29	SWITCH ASSEMBLY	
VAL-KSL-B-3D	CONTROL SUPPORT	
VAL-KSL-B-31	SHORT CIRCUIT CORD	
VAL-KSL-B-32	FACE PLATE	
VAL-KSL-B-3ZA	FACE PLATE FOR 3 LED	For KS only
VAL-KSL-B-33V	BURNERCOVER	TWIND CONT
VAL-KSL-B-34	ARVENTVALVE	
VAL-KSL-8-25	RETURN LINE	
VAL-KSL-B-38	RETURN LINE NIPPLE	
VAL-KSL-8-37	MIPPLE FITTING NUT	
VAL-KSL-8-38A	REPAIR SET (NEW)	
VAL-KSL-8-38B	C-RING FOR FUEL BOWL	
VAL-KSL-8-38-2	NOZZLE WRENCH	
VAL-KSL-B-38	RUSE HOLDER BRACKET	
VAL-KSL-8-40	S-MPPLE	
VALKSL-8-43	THERMOSTAT CABLE	
VALKSL-8-44	TIP OVER SWITCH	
VAL-KSL-8-45	TIP OVER SWITCH BRACKET	
VAL-KSL-8-46	TIP OVER SWITCH WIRE	

VALKSLR-D1	RADIATION DISK	
VALKSLR-ID	CONICAL INSULATOR	
VALKSLR-103	CONICAL HOUSING	For KS
VALKSLR-1BA	CONICAL HOUSING	For KIL
VALKSLR-DA	CAUTION LABLE PLATE	
VALKSLR-05	BURNER FITTING PIECE	
VALKSLR-DB	BURNER GASKET	
VALKSLR-07	BURNER SUPPORT	
VALKSLR-DB	VISOR	
VALKSLR-08	PROTECTOR ASSEMBLY	
VALKSLR-10	RETAINER PLATE	
VALKSLR-11	VISOR FITTING PIECE	
VALKSL-SCREW-COVER	SCREWS FOR PLASTIC COVER	
VALKSL-SCREW-GUARD	SCREW FOR GUARD	
VALKSL-SCREW-RAD	SCREW FOR RADIATION DISK	
VAL-KSL-T-M	PROTECTOR ASSEMBLY	
VAL-KSL-T-ID	PROTECTOR SUPPORT	
VALKSL-T-D4	FRAMER-KS	
VAL-KSL-T-DVV	FRAMER-KL	
VALKSL-T-DV/2	FRAMER-KL	Grom G-02 lot
VAL-KSL-T-05	FRAME L-KS	
VAL-KSL-T-05V	FRAME L-KL	
VAL-KSL-T-05V2	FRAME L-KL	Grem G-D2 let
VAL-KSL-T-06	FRAME CONNECTION PIPE	
VAL-KSL-T-DDV	FRAME CONNECTION PIPE-KL	
VAL-KSL-T-07	KONOB	
VAL-KSL-T-DB	HANDLE	
VAL-KSL-T-08V	HANDLE-KL	
VAL-KSL-T-00	PIPE END CAP	
VAL-KSL-T-00V	PIPE END CAP	
VALKSL-T-10A	TANKLEGKS	
VALKSL-T-10V	TANK LEG-KL	
VAL-KSL-T-11	WHEEL SHAFT	
VAL-KSL-T-12	WHEEL	
VAL-KSL-T-13	RJEL HOSE	
VALKSL-T-14	RETURN MIPPLE	
VALKSL-T-15	SUCTION GASKET	
VALKSL-T-18	SUCTION PIPE ASSEMBLY-KS	For KS
VALKSL-T-16V	SUCTION PIPE ASSEMBLY-KL	For KIL
VALKSL-T-17	RIELGAUGE	For KS
VALKSL-T-17V	RUEL GAUGE-KL	For KIL
VAL-KSL-T-1B	TANK CAP	
VALKSL-T-19	TANKINLET FILTER	Discontinued from H-01
VAL-KSL-T-20	RIEL TANK-KS	For KS
VALKSL-T-20V	RIEL TANK-KL	For KIL
VALKSL-T-21	DRAIN GASKET	1
VAL-KSL-T-22	DRAIN BOLT	Including T-21
VALKSL-T-23	GASKET	
VALKSL-T-24	PIPE CONNECTION-KS	
VALKSL-T-2#V	PIPE CONNECTION KL	
VALHAT	HEAT SHIELD MAT	
TITL MP1	TEST GILLINGS	

Year	2001/2002	2002/2009	2903/2004	2004/2908	2008/2006	2006/2007	2007/2008	2006/2000	2009/2018	2010/2011
Sortal No.	3-111111		-	P-+++++	N	J-++++++	7	H ****	9 *****	F





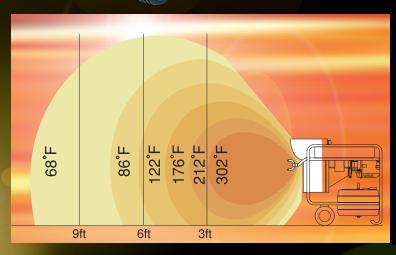


Infrared Heater



■ Heat Output 137,600 BTU/hr

■ Tank Capacity 15.1 gallons

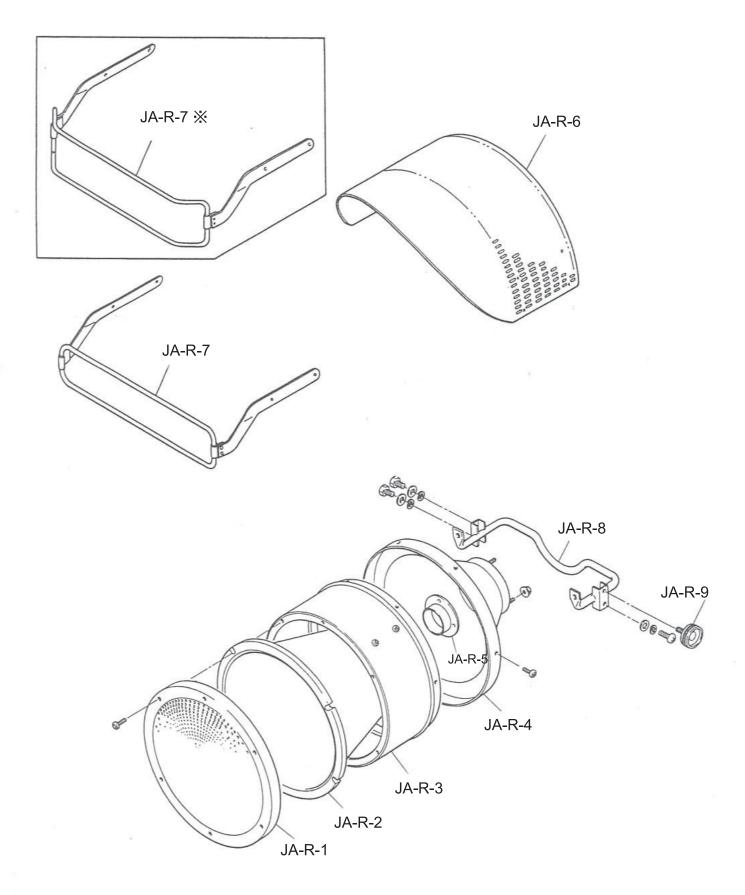


KBE1JA PARTS LIST

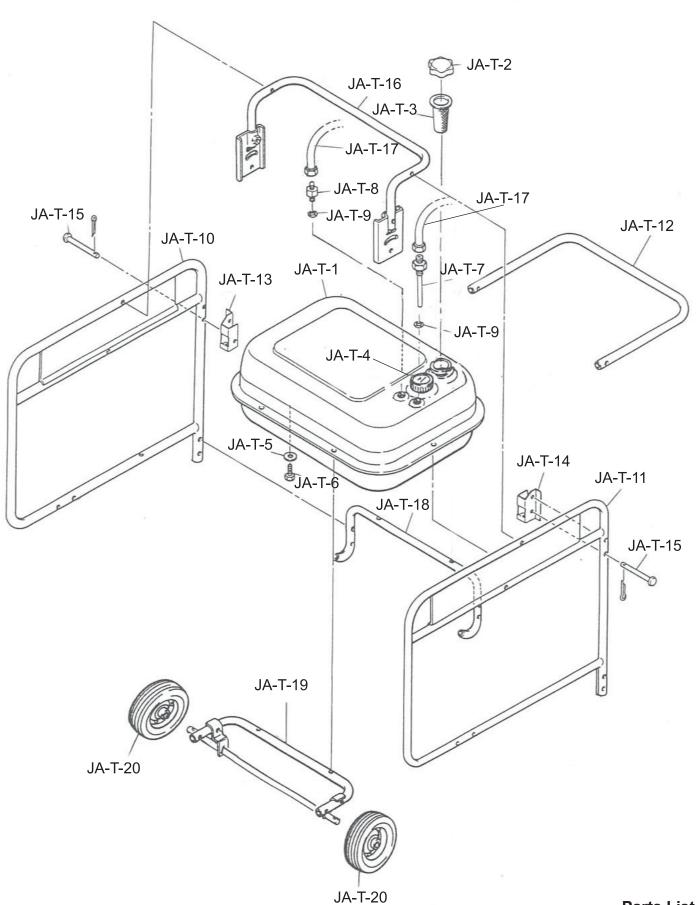
VAL-14-Y-602 MOZZ.E MOZZ.E VAL-14-Y-603 MOZZ.E MOZZ.E VAL-14-Y-604 MOZZ.E MOZZ.E VAL-14-Y-604 ELECTRODE (RF) VAL-14-Y-604 ELECTRODE (RF) VAL-14-Y-604 ELECTRODE (RF) VAL-14-Y-605 ELECTRODE (RF) VAL-14-Y-605 ELECTRODE COVER VAL-14-Y-605 PLEE FETTER CAMPILETE Berrican KSL-9-13 VAL-14-Y-605 PLEE FETTER SEMENT Berrican KSL-9-14 VAL-14-Y-605 PLEE FETTER SEMENT Berrican KSL-9-14 VAL-14-Y-605 PLEE FETTER SEMENT Berrican KSL-9-14 VAL-14-Y-605 ELECTRODE COVER FETTER SEMENT Berrican KSL-9-14 VAL-14-Y-605 FETTER KIMPLE FROM P VAL-		ARISLISI	. Rota
WAL-JAK-BID NOZZE FICIDER	VAL-1-IA-B-01	ine Courteion	78.1.8
WALLAR-BEG			
VAL-14A-090			
VAL-14A-996 ELECTRODE (LIN) VAL-14A-907 ELECTRODE FETAINER VAL-14A-908 PLECTRODE FETAINER VAL-14A-908 PLECTRODE FETAINER VAL-14A-908 PLEL FILTER COMPLETE Borne.as KSL-9-13 VAL-14A-908 PLEL FILTER COMPLETE Borne.as KSL-9-14 VAL-14A-9-15 PLEDW MIPPLE POWN P VAL-14A-9-15 PLEDW MIPPLE POWN P VAL-14A-9-16 PLETER RIPPLE POWN P VAL-14A-9-16 PLETER RIPPLE POWN P VAL-14A-9-16 PLETER RIPPLE POWN P VAL-14A-9-19 PLEL INTOXE TURING P VAL-14A-9-19 PLEL PLAWP WIRE AN WORL WAVE VAL-14A-9-19 PLEL PLAWP WIRE AN WORL WAVE VAL-14A-9-19 PLEL PLAWP WIRE AN WORL WAVE VAL-14A-9-20 PLEP NOZZE EROMINET VAL-14A-9-20 PLEP PLOZZE EROMINET VAL-14A-9-20 P			
WAL-JAA-9-08	VAL-14A-B-05		
WAL-JAM-BUS ELECTRODE COVER	VAL-14A-0-06	ELECTRODE RETAINER	
VAL-14-8-08		ELECTRODE FITTING PLATE	
VAL-14A-9-15 CLEOW IMPLE From P			
MA_1AA-9-15			
WAL-TAK-9-15A			Some as KSL-8-14
WAL-JAR-9-16			
WAL-JAR-9-16			From P
VAL-1A-8-17			
WAL-JAA-9-18			ram 2
VAL-14A-9-12 FLEE FUMP			
WAL-1A-8-32			With Air yest water
VAL-1A-8-25			
WAL-1A-B-26	VAL-14A-B-23		
VAL-1A-8-28 HOLENG BEAL (A) VAL-1A-8-30 HOLENG BEAL (A) VAL-1A-8-36 BURK TROUT JAMPER Bornes to RSL-8-31 VAL-1A-8-38 PURE HOLDER VAL-1A-8-38 PURE HOLDER VAL-1A-8-38 PURE HOLDER BRACKET VAL-1A-8-41 PURE (1.6A) VAL-1A-8-42 CONTROLLER CHABBIB FORM I VAL-1A-8-43 CONTROLLER CHABBIB FORM I VAL-1A-8-43 CONTROLLER CHABBIB FORM I VAL-1A-8-44 PURE FILE CHABBIB FORM I VAL-1A-8-45 REP DOWN TRANSFORMER BRACKET VAL-1A-8-46 REP DOWN TRANSFORMER VAL-1A-8-46 REP DOWN TRANSFORMER VAL-1A-8-47 PAN MOTOR VAL-1A-8-48 A 49 FLAME MONITOR COMPLETE BORNE AN ROLLENG CAPP VAL-1A-8-51 RENTITOR TRANSFORMER VAL-1A-8-52 RENTITOR COMPLETE BORNE AN ROLLENG BRD VAL-1A-8-52 RENTITOR TRANSFORMER VAL-1A-8-54 HOLENG BRD VAL-1A-8-55 HOLENG BRD VAL-1A-8-56 HOLENG BRD VAL-1A-8-56 HOLENG BRD VAL-1A-8-57 WARRER RECK VAL-1A-8-59 WARRER BRACKET VAL-1A-8-59 WARRER BRACKET VAL-1A-8-59 WARRER BOWNER VAL-1A-8-59 WARRER BOWNER VAL-1A-8-59 WARRER BOWNER VAL-1A-8-59 RESIDER BOWNER VAL-1A-8-59 RESIDER BOWNER VAL-1A-8-59 RESIDER WARRER VAL-1A-8-59 RESIDER CONTROLLER COMER VAL-1A-8-59 RESIDER FLITTING NUT VAL-1A-8-59 RESIDER CONTROLLER COMER VAL-1A-8-59 RESIDER VEILS VAL-1A-8-59 RESID	VAL-14A-B-25	HOLEMS	
VAL-1A-8-36	VAL-1JA-B-26	HOLISING GRIP	
VAL-14-0-36 BHORT CIRCUIT AMIFER 8 Berrie as IGEI-0-31 VAL-14-0-378 BURNER DONTROLLER 8 Berries to IGEI-0-31 VAL-14-0-38 FASE HOLDER 8 VAL-14-0-38 FASE HOLDER 8 VAL-14-0-38 FASE HOLDER 8 VAL-14-0-38 FASE HOLDER 8 VAL-14-0-32 FASE HOLDER 8 VAL-14-0-32 CONTROLLER CHASSIS FROM VAL-14-0-32 CONTROLLER CHASSIS FROM VAL-14-0-34 CONTROLLER CHASSIS FROM VAL-14-0-34 CONTROLLER CHASSIS FROM VAL-14-0-34 CONTROLLER CHASSIS FROM VAL-14-0-34 FASE FLATE FAN INDITOR VAL-14-0-34 STEP DOWN TRANSFORMER 8 BERRE IN INC. 14-0-34 STEP DOWN CONNECTOR 9 BURNERI BASKET 8 BERRE IN INC. 14-0-34 STEP DOWN CONNECTOR 9 BURNERI BASKET 8 BERRE IN INC. 14-0-34 STEP DOWN CONNECTOR 9 BURNERI BASKET 8 BERRE IN INC. 14-0-34 STEP DOWN CONNECTOR 9 BURNERI BASKET 9 BURNERI BASKE	VAL-14A-B-28	HOLIBING BEAL (A)	
WAL-1A-8-378 BURNER CONTROLLER Bornes as RSL-8-258 VAL-1A-8-38 FUSE HOLDER BYACKET VAL-1A-8-38 FUSE HOLDER BYACKET VAL-1A-8-42 CONTROLLER CHASSIS VAL-1A-8-42A CONTROLLER CHASSIS From VAL-1A-8-42A CONTROLLER CHASSIS From VAL-1A-8-43A CONTROLLER CHASSIS From VAL-1A-8-45A CONTROLLER CHASSIS From VAL-1A-8-45A CONTROLLER CHASSIS From VAL-1A-8-45A STEP DOWN TRANSFORMER BRACKET From VAL-1A-8-46 STEP DOWN TRANSFORMER BRACKET From VAL-1A-8-47 FAN MOTOR COMPLETE Borne as RSL-8-24 VAL-1A-8-48 A STEP DOWN TRANSFORMER From VAL-1A-8-45 REALE KINTTOR COMPLETE Borne as RSL-8-31 VAL-1A-8-55 ROLDENG BND From J VAL-1A-8-55 HOLDENG BND From J VAL-1A-8-56 HOLDENG BND From J VAL-1A-8-56 HOLDENG BEAL (B) VAL-1A-8-56 HOLDENG BEAL (B) VAL-1A-8-57 BURNER MEEK VAL-1A-8-58 WHIRL VANE Borne as EP5D-8-03 VAL-1A-8-59 WHIRL VANE Borne as EP5D-8-03 VAL-1A-8-59 WHIRL VANE Borne as EP5D-8-03 VAL-1A-8-57 BURNER BASKET Borne as RSL-8-38-2 VAL-1A-8-77 POWER CASILE VAL-1A-8-77 POWER CASILE VAL-1A-8-77 WASHER VAL-1A-8-77 WASHER VAL-1A-8-78 RETURN TURING VAL-1A-8-80 RETURN TURING VAL-1A-8-91 RETURN TURING VAL-1A-8-92 RUSZLE FIXEDER WASHER VAL-1A-8-93 RUSZLE FIXEDER WASHER VAL-1A-8-94 NEPTLE FITTING NUT From J VAL-1A-8-94 NEPTLE FITTING NUT From J VAL-1A-8-95 BURNER DONTROLLER COMER VAL-1A-8-96 COMBINICAL HOLDING VAL-1A-8-96 FADE PLATE BRACKET VAL-1A-8-96 FADE PLATE BRACKET VAL-1A-8-96 VAL-1A-8-96 COMBICAL HOLDING VAL-1A-8-96 VA			
VAL-1A-8-38			
VAL-1JA-8-29			Bornes os 19318-258
VAL-14-8-42			
VAL-14A-8-42			
VAL-14-8-02A CONTROLLER CHABBIS FROM VAL-14-8-03 IGNITION TRANSPORMER BRADKET VAL-14-8-04 STEP DOWN TRANSPORMER BRADKET VAL-14-8-04 STEP DOWN TRANSPORMER BRADKET VAL-14-8-05 STEP DOWN TRANSPORMER BRADKET VAL-14-8-05 IGNITION TRANSPORMER VAL-14-8-05 IGNITION TRANSPORMER VAL-14-8-04 HOUSING BND VAL-14-8-05 BURGER DOWE VAL-14-8-06 POWER BWITCH VAL-14-8-07 POWER DABLE VAL-14-8-08 POWER BWITCH VAL-14-8-09 BURGER BASKET VAL-14-8-07 WASHER VAL-14-8-08 RETURN TURBING VAL-14-8-09 RETURN TURBING VAL-14-8-09 RETURN BLEOW CONNECTOR VAL-14-8-09 RETURN BLEOW CONNECTOR VAL-14-8-09 RETURN BLEOW CONNECTOR VAL-14-8-09 BURGER DOWE VAL-14-8-09 BURGER CONTROLLER COMER VAL-14			
VAL-1JA-8-43 VAL-1JA-8-45 VAL-1JA-8-46 BTEP DOWN TRANSFORMER BOTTLE BOTTLE FOR MOTTOR VAL-1JA-8-47 FAN MOTTOR VAL-1JA-8-48 FANE MONTOR COMPLETE BOTTLE BO			Feren I
VAL-1JA-8-46			- R2111
VAL-1JA-8-46			Ferm I
VAL-1JA-B-48 & 49 FLAME MONITOR COMPLETE Semi- as NSL-B-11 VAL-1JA-B-51 SANTIGN TRANSPORMER VAL-1JA-B-51 SANTIGN TRANSPORMER VAL-1JA-B-54 HOLDING END FROM J VAL-1JA-B-54 HOLDING END FROM J VAL-1JA-B-55 HOLDING END FROM J VAL-1JA-B-55 HOLDING END FROM J VAL-1JA-B-56 HOLDING END FROM J VAL-1JA-B-57 BURNER NECK VAL-1JA-B-58 BURNER COME VAL-1JA-B-58 SURVIER COME VAL-1JA-B-59 VAL-1JA-B-59 VAL-1JA-B-59 POWER BANTICH VAL-1JA-B-71 POWER CABLE VAL-1JA-B-71 POWER CABLE VAL-1JA-B-74 BURNER BANTICH Some as NSL-R-06 VAL-1JA-B-77 WARBER VAL-1JA-B-77 WARBER VAL-1JA-B-78 RETURN TURING VAL-1JA-B-80 RETURN TURING VAL-1JA-B-80 RETURN ELROW CONNECTOR VAL-1JA-B-80 MOZZLE FILTER ASSELBELY Up to N VAL-1JA-B-91 MOZZLE FILTER ASSELBELY Up to N VAL-1JA-B-91 MOZZLE FILTER ASSELBELY Up to N VAL-1JA-B-91 BURNER CONTROLLER COWER VAL-1JA-R-01 CONNCAL INSULATOR			
VAL-1JA-9-51 IGNITION TRANSFORMER VAL-1JA-9-52 INSULATING CAP VAL-1JA-9-54 HOLBING END VAL-1JA-9-54 HOLBING END VAL-1JA-9-55 HOLBING BND VAL-1JA-9-55 HOLBING BNDER BRACKET VAL-1JA-9-56 HOLBING BNDER BRACKET VAL-1JA-9-56 HOLBING BRAL (B) VAL-1JA-9-58 BLENIER COME VAL-1JA-9-58 WHIRL VAME BRITCH VAL-1JA-9-59 WHIRL VAME BRITCH VAL-1JA-9-71 POWER BANTCH VAL-1JA-9-72 CABLE STOPPER VAL-1JA-9-74 BLENIER BASKET VAL-1JA-9-77 WASHER VAL-1JA-9-77 WASHER VAL-1JA-9-80 RETURN TURING VAL-1JA-9-80 RETURN TURING VAL-1JA-9-80 RETURN TURING VAL-1JA-9-80 MAINTENANCE RIT VAL-1JA-9-80 MAINTENANCE RIT VAL-1JA-9-80 MOZZLE FILTER AGBIELBLY VAL-1JA-9-90 NOZZLE FILTER AGBIELBLY VAL-1JA-9-91 BLESTEROUR BRACKET VAL-1JA-9-91 BLESTEROUR WASHER VAL-1JA-9-91 BLESTEROUR NOTE VAL-1JA-8-91 BLESTE	VAL-14A-B-47	FAN MOTOR	
VAL-1JA-9-52	VAL-1JA-B-48 & 49	FLAME MONITOR COMPLETE	Some as KSL-8-11
VAL-1JA-9-54 VAL-1JA-9-54 VAL-1JA-9-55 HOLBING END VAL-1JA-9-55 HOLBING INNER BRACKET VAL-1JA-9-57 BLRINER NECK VAL-1JA-9-57 BLRINER NECK VAL-1JA-9-58 BLRINER CONE VAL-1JA-9-58 BLRINER CONE VAL-1JA-9-59 VAL-1JA-9-71 POMER CABLE VAL-1JA-9-73 BLRINER BASKET VAL-1JA-9-74 BLRINER BASKET VAL-1JA-9-75 BLRINER BASKET VAL-1JA-9-77 VAL-1JA-9-78 BLRINER BASKET VAL-1JA-9-80 RETURN TURING VAL-1JA-9-80 RETURN TURING VAL-1JA-9-80 RETURN BLBOW CONNECTOR VAL-1JA-9-80 RAZZLE HOLDER WASHER VAL-1JA-9-80 NOZZLE HOLDER WASHER VAL-1JA-9-90 NOZZLE FILTER ASBELBLY VAL-1JA-9-90 NOZZLE FILTER ASBELBLY VAL-1JA-9-91 NOZZLE FILTER ASBELBLY VAL-1JA-9-94 NEPPLE FITTING NUT VAL-1JA-9-94 NEPPLE FITTING NUT VAL-1JA-9-97 BLRINER CONTROLLER COMER VAL-1JA-9-97 BLRINER CONTROLLER COMER VAL-1JA-9-98 VAL-1JA-9-97 BLRINER CONTROLLER COMER VAL-1JA-9-99 VAL-1JA-9-97 BLRINER CONTROLLER COMER VAL-1JA-R-10 VA	VAL-14A-B-51	KINITKIN TRANSFORMER	
VAL-1JA-9-54 VAL-1JA-9-55 HOLBING INNER BRACKET VAL-1JA-9-56 HOLBING INNER BRACKET VAL-1JA-9-56 HOLBING INNER BRACKET VAL-1JA-9-56 HOLBING INNER COME VAL-1JA-9-58 BURNER COME VAL-1JA-9-58 VAL-1JA-9-59 VAL-1JA-9-69 POWER SWITCH VAL-1JA-9-79 CABLE STOPPER VAL-1JA-9-74 BURNER BASKET SOME AN RELEASE VAL-1JA-9-75 NOZZLE WRENCH SOME AN RELEASE VAL-1JA-9-75 VAL-1JA-9-80 RETURN TURNS VAL-1JA-9-80 RETURN BURNE COMMECTOR VAL-1JA-9-80 RETURN BURNE ROT VAL-1JA-9-80 ROZZLE HOLDER WARNER VAL-1JA-9-90 NOZZLE HOLDER WARNER VAL	VAL-14A-B-52	NSLLATING CAP	
VAL-1JA-9-55 VAL-1JA-9-56 VAL-1JA-9-57 VAL-1JA-9-57 VAL-1JA-9-59 VAL-1JA-9-59 VAL-1JA-9-59 VAL-1JA-9-59 VAL-1JA-9-59 VAL-1JA-9-59 VAL-1JA-9-71 POWER BWITCH VAL-1JA-9-71 POWER CABLE VAL-1JA-9-71 VAL-1JA-9-75 VAL-1JA-9-75 VAL-1JA-9-77 VAL-1JA-9-77 VAL-1JA-9-77 VAL-1JA-9-80 RETURN TURNER VAL-1JA-9-80 VAL-1JA-8-80 VAL-1	VAL-14A-B-54	HOLIBING END	
VAL-1JA-8-56			From J
\(\frac{\text{VAL-1JA-8-57}}{\text{VAL-1JA-8-58}} \qu			
\(\frac{1}{1} \alpha - 58 \) \(\frac{1}{1} \alpha - 57 \) \(\frac{1}{1} \alpha - 58 \) \(\frac{1}{1} \alpha - 59 \) \(\fr			
VAL-1JA-8-93 WHIRL VANE 8000 80 1950-8-03 VAL-1JA-8-93 POMER BMTR3-1 VAL-1JA-8-71 POMER CABLE VAL-1JA-8-73 CABLE 8TC-PPER VAL-1JA-8-74 BLANNER BASKET 8000 80L-R-06 VAL-1JA-8-75 NOZZLE WRENDH 8000 80L-R-06 VAL-1JA-8-80 RETURN TUBING VAL-1JA-8-80 RETURN ELBOW CONNECTOR VAL-1JA-8-82 RUBBER CAP VAL-1JA-8-83 MAINTENANCE NIT VAL-1JA-8-83 MAINTENANCE NIT VAL-1JA-8-90 NOZZLE FILTER ASSELBLY Up to N VAL-1JA-8-93 JACK Up to N VAL-1JA-8-93 GRUM VAL-1JA-R-04 CONNICAL HOLBING VAL-1JA-R-04 CONNICAL HOLBING VAL-1JA-R-05 VEOR VAL-1JA-R-06 VEOR VAL-1JA-R-07 BLARG RAL VAL-1JA-R-07 SLARG RAL VAL-1JA-R-07 RUBL TANK VAL-1JA-R-00 FUEL TANK VAL-1JA-R-00 FUEL GAUGE VAL-1JA-R-00 FUEL GAUGE			
VAL-1JA-B-63 POWER BWITCH VAL-1JA-B-73 POWER CABLE VAL-1JA-B-73 CABLE STOPPER VAL-1JA-B-74 BURNER BASKET Borne on KSL-R-05 VAL-1JA-B-75 WARBHER VAL-1JA-B-77 WARBHER VAL-1JA-B-80 RETURN TURING VAL-1JA-B-81 RETURN ELBOW CONNECTOR VAL-1JA-B-82 RUBBER CAP VAL-1JA-B-83 MAINTENANCE RIT VAL-1JA-B-83 MAINTENANCE RIT VAL-1JA-B-89 NOZZLE FILTER ARBEIDELY VAL-1JA-B-93 RECTROOF NIPPLE VAL-1JA-B-93 ELECTROOF NIPPLE VAL-1JA-B-94 NIPPLE FITTING NUT VAL-1JA-B-95 BURNER CONTROLLER COMER VAL-1JA-B-95 FACE PLATE BRACKET VAL-1JA-B-98 FACE PLATE BRACKET VAL-1JA-R-05 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-07 BUARD RALL VAL-1JA-R-07 RUBLING RALL			Arme on FEST-B-III
VAL-1JA-8-71 POWER CABLE VAL-1JA-8-738 CABLE STOPPER VAL-1JA-8-74 BURNER BASKET Burner MEL-R-06 VAL-1JA-8-75 NOZZLE WRENCH Burner MEL-R-06 VAL-1JA-8-60 RETURN TUBING VAL-1JA-8-60 RETURN ELBOW CONNECTOR VAL-1JA-8-62 RUBBER CAP VAL-1JA-8-63 MANTENANCE KIT VAL-1JA-8-69 NOZZLE HOLDER WASHER VAL-1JA-8-90 NOZZLE HOLDER WASHER VAL-1JA-8-91 NOZZLE FILTER ASSELBELY Up to N VAL-1JA-8-93 ELECTROCE NIPPLE VAL-1JA-8-94 NEPPLE FITTING NUT VAL-1JA-8-95 BURNER CONTROLLER COMER VAL-1JA-8-96 FACE PLATE BRACKET VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-R-02 CONKOL INSULATOR VAL-1JA-R-04 CONNICAL HOLDING VAL-1JA-R-04 CONNICAL HOLDING VAL-1JA-R-05 PUBL RAIL VAL-1JA-R-06 VEDR VAL-1JA-R-07 BUANG RAIL VAL-1JA-R-08 VEDR RAIL VAL-1JA-R-09 FALE TANK VAL-1JA-R-01 RUBL TANK VAL-1JA-R-01 RUBL GALIGE VAL-1JA-R-			
VAL-1JA-8-738 CABLE STOPPER VAL-1JA-8-74 BURNER BASKET 8ame as K9L-8-38-2 VAL-1JA-8-75 NGZZLE WRENCH 8ame as K9L-8-38-2 VAL-1JA-8-80 RETURN TURING VAL-1JA-8-80 RETURN ELBOW CONNECTOR VAL-1JA-8-80 REBER CAP VAL-1JA-8-80 MAINTENANCE KIT VAL-1JA-8-90 NGZZLE HOLDER WASHER VAL-1JA-8-90 NGZZLE FILTER ASSELBELY Up to N VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-95 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-90 CONNCAL INSULATOR VAL-1JA-R-10 CONNCAL INSULATOR VAL-1JA-R-10 URLAN VAL-1JA-R-10 URLAN VAL-1JA-R-10 URLAN VAL-1JA-R-10 URLAN VAL-1JA-R-10 URLAN VAL-1JA-R-10 RUBL TANK VAL-1JA-T-01 RUBL TANK VAL-1JA-T-01 RUBL GALIGE VAL-1JA-T-01 RUBL GALIGE VAL-1JA-T-01 RUBL GALIGE			
WAL-1JA-8-74			
VAL-1JA-8-75 NOZZLE WRENCH 8ame as KBL-8-38-2 VAL-1JA-8-80 RETURN TURING VAL-1JA-8-80 RETURN ELBOW CONNECTOR VAL-1JA-8-81 RETURN ELBOW CONNECTOR VAL-1JA-8-82 RUBBER CAP VAL-1JA-8-83 MAINTENANCE RIT VAL-1JA-8-84 DERING FOR FUEL BOWL 8ame as KBL-8-388 VAL-1JA-8-93 NOZZLE HOLDER WASHER VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-95 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up is N VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-09 DRIAN VAL-1JA-R-09 DRIAN VAL-1JA-R-09 DRIAN VAL-1JA-R-09 DRIAN VAL-1JA-R-09 CONNCAL HOLBING VAL-1JA-R-09 VIBORO RAIL VAL-1JA-R-09 PLEEL TANK VAL-1JA-R-01 FUEL TANK VAL-1JA-R-01 FUEL TANK VAL-1JA-R-01 FUEL GALIGE VAL-1JA-R-01 FUEL GALIGE			Borne en KBL-R-06
VAL-1JA-8-81 RETURN FLBOW CONNECTOR VAL-1JA-8-81 RETURN ELBOW CONNECTOR VAL-1JA-8-82 RUBBER CAP VAL-1JA-8-83 MANTEMANCE RIT VAL-1JA-8-93 NOZZLE HOLDER WASHER VAL-1JA-8-93 NOZZLE FOLDER WASHER VAL-1JA-8-93 NOZZLE FOLDER WASHER VAL-1JA-8-94 NOZZLE FOLDER WASHER VAL-1JA-8-94 NEPPLE FITTING NUT VAL-1JA-8-94 NEPPLE FITTING NUT VAL-1JA-8-95 BLANER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-05 ORIAN VAL-1JA-R-06 ONNICAL HOLDENG VAL-1JA-R-06 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-06 FUEL GALIGE VAL-1JA-R-07 BLARD RAIL VAL-1JA-R-08 FUEL GALIGE VAL-1JA-R-01 FUEL GALIGE VAL-1JA-R-01 FUEL GALIGE VAL-1JA-T-04 FUEL GALIGE			
VAL-1JA-8-81 RETURN ELBOW CONNECTOR VAL-1JA-8-82 RUBBER CAP VAL-1JA-8-83 MAINTENANCE RIT VAL-1JA-8-89A D-RING FOR RUEL BOWL Bome on KOL-8-388 VAL-1JA-8-90 NOZZLE FOLIDER WASHER VAL-1JA-8-91 NOZZLE FILTER ASSELBLY Up to N VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT FROM J VAL-1JA-8-95 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-102 CONNEAL NOLBING VAL-1JA-R-103 ORLAN VAL-1JA-R-104 CONNIKAL HOLBING VAL-1JA-R-105 VIBOR VAL-1JA-R-107 BUARD RAIL VAL-1JA-R-107 BUARD RAIL VAL-1JA-R-107 FUEL TANK VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE	VAL-14A-B-77	WARHER	
VAL-1JA-8-82 RUBBER CAP VAL-1JA-8-83 MAINTENANCE RIT VAL-1JA-8-89A D-RING FOR RUEL BOWL Bome on KBL-8-388 VAL-1JA-8-90 NOZZLE FOLDER WASHER VAL-1JA-8-91 RECTRODE RIPPLE VAL-1JA-8-94 NEPPLE FITTING MUT VAL-1JA-8-94 NEPPLE FITTING MUT VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-R-02 ORIGINAL ATOR VAL-1JA-R-04 CONNICAL HOLDING VAL-1JA-R-05 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-06 FUEL TANK VAL-1JA-R-07 BURNO RAIL VAL-1JA-R-08 FUEL GALIGE VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE	VAL-14A-B-80	RETURN TUBING	
VAL-1JA-8-83 LIAINTENANCE RIT VAL-1JA-8-84 D-RING FOR RUEL BOWL Borne on ROL-8-388 VAL-1JA-8-90 NOZZLE HOLDER WASHER VAL-1JA-8-92 NOZZLE FILTER ASSELBELY Up to N VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT FROM J VAL-1JA-8-94 NIPPLE FITTING NUT FROM J VAL-1JA-8-95 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-10 ORLAN VAL-1JA-8-10 ORLAN VAL-1JA-8-10 VEOR VAL-1JA-8-10 SUBARO RAIL VAL-1JA-8-10 FUEL TANK VAL-1JA-7-04 RUEL GAUGE VAL-1JA-7-04 RUEL GAUGE VAL-1JA-7-04 RUEL GAUGE			
VAL-1JA-8-99 NOZZLE HOLDER WASHER VAL-1JA-8-90 NOZZLE HOLDER WASHER VAL-1JA-8-90 NOZZLE FILTER ASSELBLY Up to N VAL-1JA-8-90 ELECTRODE NIPPLE VAL-1JA-8-90 NIPPLE FITTING NUT From J VAL-1JA-8-90 NIPPLE FITTING NUT From J VAL-1JA-8-91 JACK Up to N VAL-1JA-8-90 FACE PLATE BRACKET VAL-1JA-8-90 FACE PLATE BRACKET VAL-1JA-8-00 DRIAM VAL-1JA-8-00 DRIAM VAL-1JA-8-00 DRIAM VAL-1JA-8-00 VBCAL NIGHLATOR VAL-1JA-8-00 VBCAR VBCAR VAL-1JA-8-00 VBCAR VBCAR VBCAR VAL-1JA-8-00 VBCAR VB			
VAL-1JA-8-90 NOZZLE HOLDER WASHER VAL-1JA-8-90 NOZZLE FILTER ASSELBLY Up to N VAL-1JA-8-90 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-8-02 CONTROLLER COMER VAL-1JA-8-02 CONTROLLER COMER VAL-1JA-8-04 CONTROLLER COMER VAL-1JA-8-04 CONTROLLER COMER VAL-1JA-8-04 CONTROLLER COMER VAL-1JA-8-05 VISION COMERCE VAL-1JA-8-06 VISION COMERCE VAL-1JA-8-07 BUARD RAIL VAL-1JA-8-07 BUARD RAIL VAL-1JA-8-07 RUEL TANK VAL-1JA-7-04 FUEL GALIGE VAL-1JA-7-04 FUEL GALIGE VAL-1JA-7-04 FUEL GALIGE			
VAL-1JA-8-92 NOZZLE FILTER ASSELBLY Up to N VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-97 BLANCE CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-8-02 CONTROLLER COMER VAL-1JA-8-03 DRIAM VAL-1JA-8-04 CONTROLLER COMER VAL-1JA-8-04 CONTROLLER COMER VAL-1JA-8-05 VIBOR VAL-1JA-8-05 VIBOR VAL-1JA-8-06 VIBOR VAL-1JA-8-07 BLARG RAIL VAL-1JA-8-07 RUEL TANK VAL-1JA-7-01 FUEL TANK VAL-1JA-7-04 FUEL GALIGE VAL-1JA-7-04 FUEL GALIGE			CONTRACTOR INC. III III III
VAL-1JA-8-93 ELECTRODE NIPPLE VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-94 NIPPLE FITTING NUT VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up is N VAL-1JA-8-98 FACE PLATE BRACKET VAL-1JA-R-02 CONICAL INSULATOR VAL-1JA-R-03 DRIAN VAL-1JA-R-04 CONNICAL HOUSING VAL-1JA-R-05 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-07 BUARD RAIL VAL-1JA-R-01 RUEL TANK VAL-1JA-T-01 RUEL TANK VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE			Un le N
VAL-1JA-8-94 NEPPLE FITTING NUT VAL-1JA-8-94A NEPPLE FITTING NUT FROM J VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-02 CONICAL INSULATOR VAL-1JA-R-04 CONNICAL HOLISING VAL-1JA-R-06 VIBOR VAL-1JA-R-06 VIBOR VAL-1JA-R-07 BUARD RAIL VAL-1JA-R-01 RUEL TANK VAL-1JA-T-01 RUEL TANK VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE VAL-1JA-T-04 RUEL GALIGE			
VAL-1JA-8-9A NEPPLE FITTING NUT FROM J VAL-1JA-8-97 BURNER CONTROLLER COMER VAL-1JA-8-98 JACK Up is N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-02 CONICAL INSULATOR VAL-1JA-R-03 CONICAL HOLDING VAL-1JA-R-04 CONICAL HOLDING VAL-1JA-R-05 VBDR VAL-1JA-R-05 VBDR VAL-1JA-R-07 BUARD RAIL VAL-1JA-T-01 FUEL TANK VAL-1JA-T-04 FUEL GALIGE VAL-1JA-T-04 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-8-97 BLRMER CONTROLLER COMER VAL-1JA-8-98 JACK Up to N VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-02 CONICAL INSULATOR VAL-1JA-R-03 ORUM VAL-1JA-R-04 CONNICAL HOLDING VAL-1JA-R-06 VIBOR VAL-1JA-R-07 BLIARD RAIL VAL-1JA-R-01 FUEL TANK VAL-1JA-T-04 FUEL GALIGE VAL-1JA-T-04 FUEL GALIGE VAL-1JA-T-04 FUEL GALIGE			From J
VAL-1JA-8-99 FACE PLATE BRACKET VAL-1JA-R-0Z CONICAL INSULATOR VAL-1JA-R-03 ORLAN VAL-1JA-R-04 CONNICAL HOUSING VAL-1JA-R-06 VISOR VAL-1JA-R-07 SIJARO RAL VAL-1JA-T-01 FUEL TANK VAL-1JA-T-04 FUEL GALIGE VAL-1JA-T-04 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-R-DZ CONICAL INSULATOR VAL-1JA-R-D3 DRUM VAL-1JA-R-D4 CONNICAL HOUSING VAL-1JA-R-D5 VISOR VAL-1JA-R-D7 SIJARD RAIL VAL-1JA-T-D1 FUEL TANK VAL-1JA-T-D4 FUEL GALIGE VAL-1JA-T-D4 EXTERNAL THERMOSTAT INSERT	VAL-14A-0-98	JACK	Up lie N
VAL-1JAR-03 ORUM VAL-1JAR-04 CONNICAL HOUSING VAL-1JAR-05 VISOR VAL-1JAR-07 SUARO RAL VAL-1JAR-017 FUEL TANK VAL-1JAR-04 FUEL GALIGE VAL-1JAR-04 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-R-D4 CONNICAL HOLBING VAL-1JA-R-D5 VIBOR VAL-1JA-R-D7 BUARD RAIL VAL-1JA-T-D1 FUEL TANK VAL-1JA-T-D4 FUEL GALIGE VAL-THERMID-D1 EXTERNAL THERMIDSTAT INSERT			
VAL-1JA-R-05 VIBOR VAL-1JA-R-07 BLARD RAIL VAL-1JA-T-01 FUEL TANK VAL-1JA-T-04 FUEL GALIGE VAL-THERMO-01 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-R-07 BUARD RAIL VAL-1JA-T-01 RUEL TANK VAL-1JA-T-04 RUEL GALIGE VAL-THERMO-01 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-T-01 FUEL TANK VAL-1JA-T-04 FUEL GALIGE VAL-THERMO-01 EXTERNAL THERMOSTAT INSERT			
VAL-1JA-T-DK RUEL GALIGE VAL-THERMO-D1 EXTERNAL THERMOSTAT INSERT			
VAL-THERMOUT EXTERNAL THERMOSTAT INSERT			
			<u> </u>

Year	2001/2002	2002/2003	2003/2004	2004/2005	2005/2008	2000/2007
Serial No.	g-erere	R-****	9-	P avaiar	(1 ******	d-eieie i

KBE1JA RADIATION/COMBUSTION SECTION



KBE1JA TANK/FRAME SECTION



JA-B-35

KBE 1JA

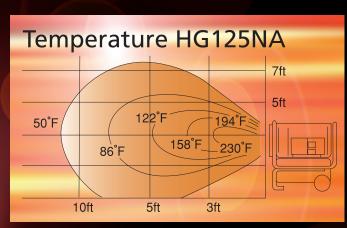
BURNER/CONTROL SECTION

Parts List | VAL6 SALES GUIDE

Forced Air Heater LGL25MA



- Heat Output 116,000 BTU/hr
- Tank Capacity 14.3 gallons

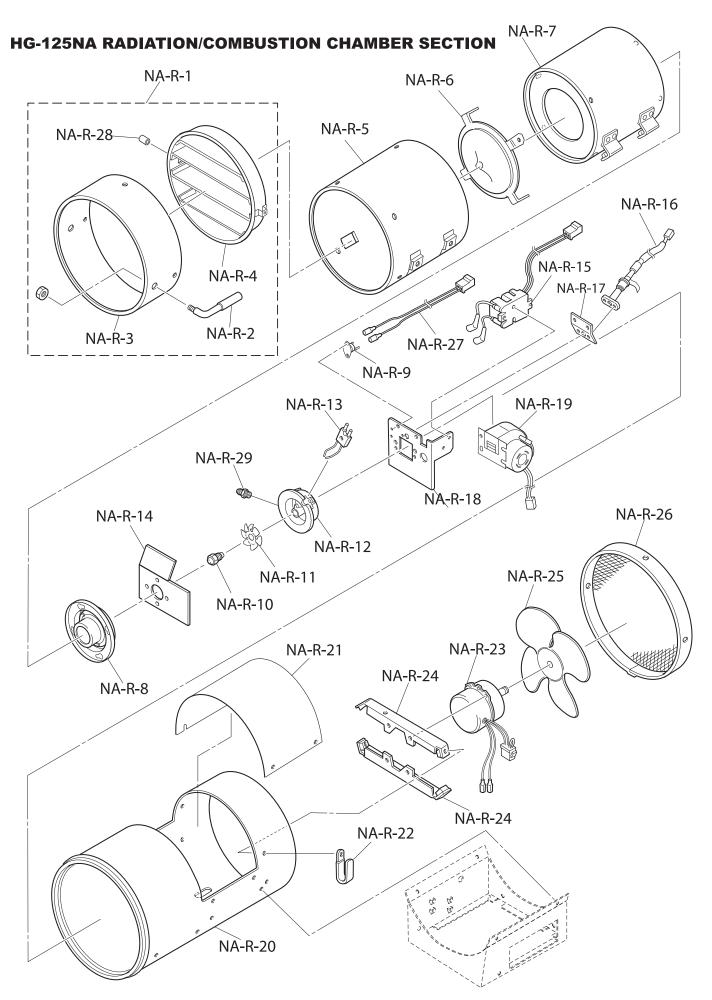


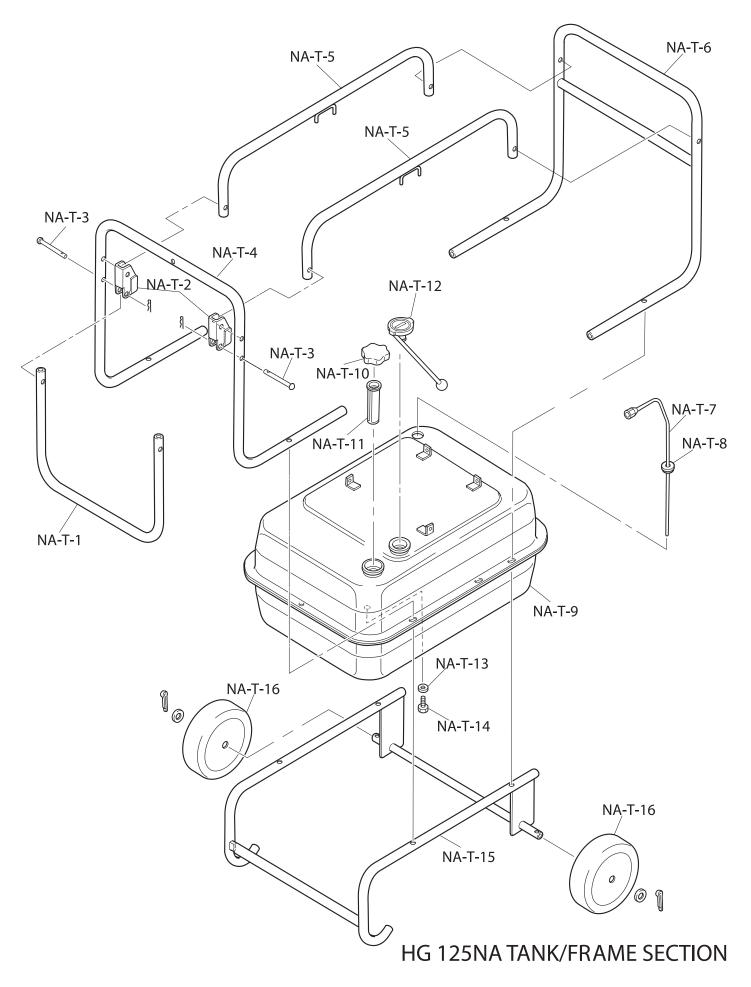
HOTGUN PARTS LIST

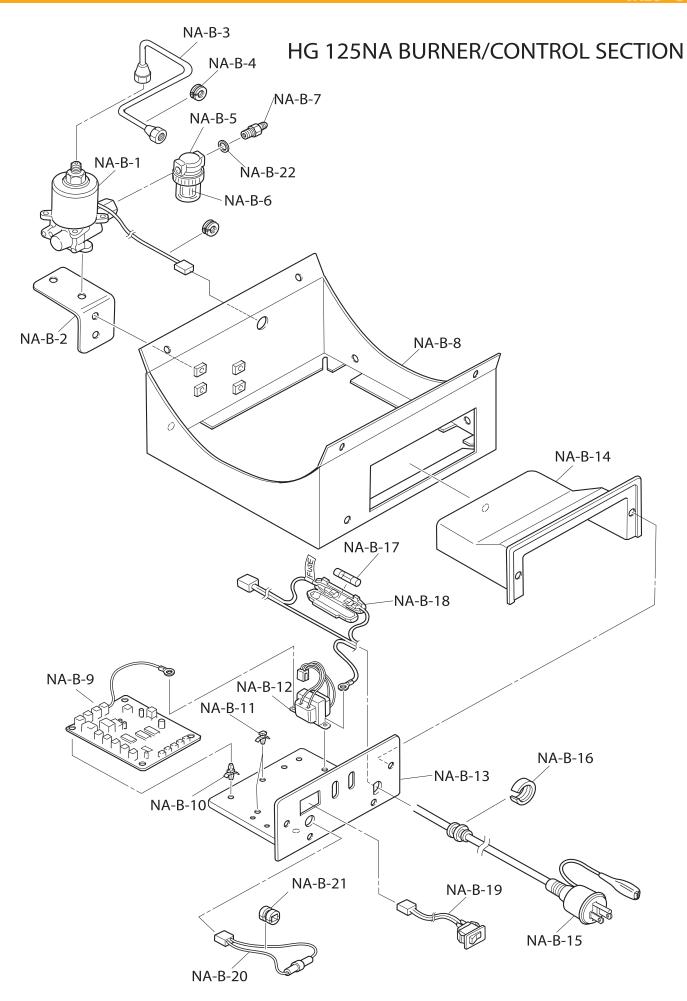
	PARISLISI	_
lien D	tem Description	<u>Kole</u>
VAL-NA-B-D1	FUEL PUMP	
VAL-NA-B-112	PUMP BRACKET	
VAL-NA-B-03	PUMP-NOZZLE TURING	
VAL-NA-B-D4	PUMP-NOZZLE GROWNET	
VAL-NA-B-05	FUEL FILTER COMPLETE	Same as KSL-8-13
VAL-NA-B-06	FUEL FILTER ELEMENT	Same as KSL-8-14
VAL-NA-B-07	NPPLE	
VAL-NA-B-08	CASING SUPPORT	
VAL-NA-B-09	BURNER CONTROLLER	Same as KSL-8-298
VAL-NA-B-10	CONTROLLER BOARD SUPPORT	Same as KSL-8-30
VAL-NA-B-11	CONTROLLER BOARD SPACER	
VAL-NA-B-12	STEP DOWN TRANSFORMER	Same as KSL-8-24
VAL-NA-B-13	FACE PLATE	
VAL-NA-B-14	BURNER CONTROLLER COVER	
VAL-NA-8-158	POWER CABLE WIPLUG	
VAL-NA-B-1B	CABLE STOPPER	Same as KSL-8-208
VAL-NA-B-17	FUSE (3A)	Same as KSL-8-17A
VAL-NA-B-1B	FUSE HOLDER	Same as KSL-8-18
VAL-NA-B-1BA	FUSE HOLDER	Same as KSL-8-18A, From P
VAL-NA-B-1B	POWER SWITCH	Care as race or race (room)
VAL-NA-B-20	THERMOSTAT CABLE	
VAL-NA-B-21	VIBRATION SENSOR HOLDER	+
VAL-NA-B-22	WASHER	+
VAL-NA-R-01	SPOUT UNIT ASS'Y	
	LEVER	
VAL-NA-R-IIZ	LOUVER SUPPORT	
VAL-NA-R-03 VAL-NA-R-04	LOUVERSONTORI	
VAL-NA-R-05	HEAT ISOLATION DRUM	
VAL-NA-R-08	FLAME BARRIER	
VAL-NA-R-07	COMBUSTION CHAMBER	
VAL-NA-R-08	BURNER FLANGE	
VAL-NA-R-DS	OVERHEAT SENSOR	
VAL-NA-R-10	NOZZLE (IL85 GAL/H)	Same as KSL-8-04
VAL-NA-R-11	WHRL VANE	
VAL-NA-R-12	BURNER NECK	
VAL-NA-R-13	ELECTRODE	
VAL-NA-R-14A	INSULATION PLATE	
VAL-NA-R-15	IGNITION TRANSFORMER	
VAL-NA-R-15A	IGNITION TRANSFORMER	From I
VAL-NA-R-18	FLAME MONITOR	
VAL-NA-R-18A	FLAME MONITOR	From J
VAL-NA-R-17	FLAME MONITOR BRACEKT	
VAL-NA-R-17A	FLAME MONITOR BRACEKT	
VAL-NA-R-18	FAN MOTOR BRACEKT	
VAL-NA-R-18	COMBUSTION FAN	
VAL-NA-R-20	OUTER CASING	
VAL-NA-R-21	COVER	
	CARLE HANCETT	<u> </u>
VAL-NA-R-22	CABLE HANGER	

LEAL BUR DI DE		
VAL-NA-R-25	MAIN FAN	
VAL-NA-R-28	GUARD	
VAL-NA-R-27	OVERHEAT SENSOR CABLE	
VAL-NA-R-28	LOUVER FITTING	
VAL-NA-R-29	NGZZLE NIPPLE	
VAL-NA-T-01	HAMELE BAR	
VAL-NA-T-ID	HANDLE BRACKET	
VAL-NA-T-03	HANCLE RETAINING PIN	
VAL-NA-T-04	FRONT HURELE FRAME	
VAL-NA-T-05	erege	
VAL-NA-T-08	REAR HURELE FRAME	
VAL-NA-T-07	SUCTION PIPE	
VAL-NA-T-08	SUCTION PIPE GASKET	
VAL-NA-T-09	FUEL TANK	
VAL-NA-T-10	TANK CAP	
VAL-NA-T-11	TANK INLET FILTER	
VAL-NA-T-12	FUEL GAUGE	
VAL-NA-T-13	DRAIN GASKET	Same as KSL-T-21
VAL-NA-T-14	CRAIN BEXLT	Same as KSL-T-22 induding T-21
VAL-NA-T-15	AXLE FRAME	
VAL-NA-T-18	WHEEL (Price of each)	Same as KSL-T-12

Year	2000/2000	2009/2010	2010/2011
Serial No.	()	0 *****	F-++++







Infrared and Forced Air Heater

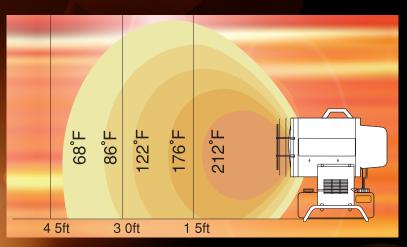


■ Heat Output

51,800 BTU/hr

■ Tank Capacity

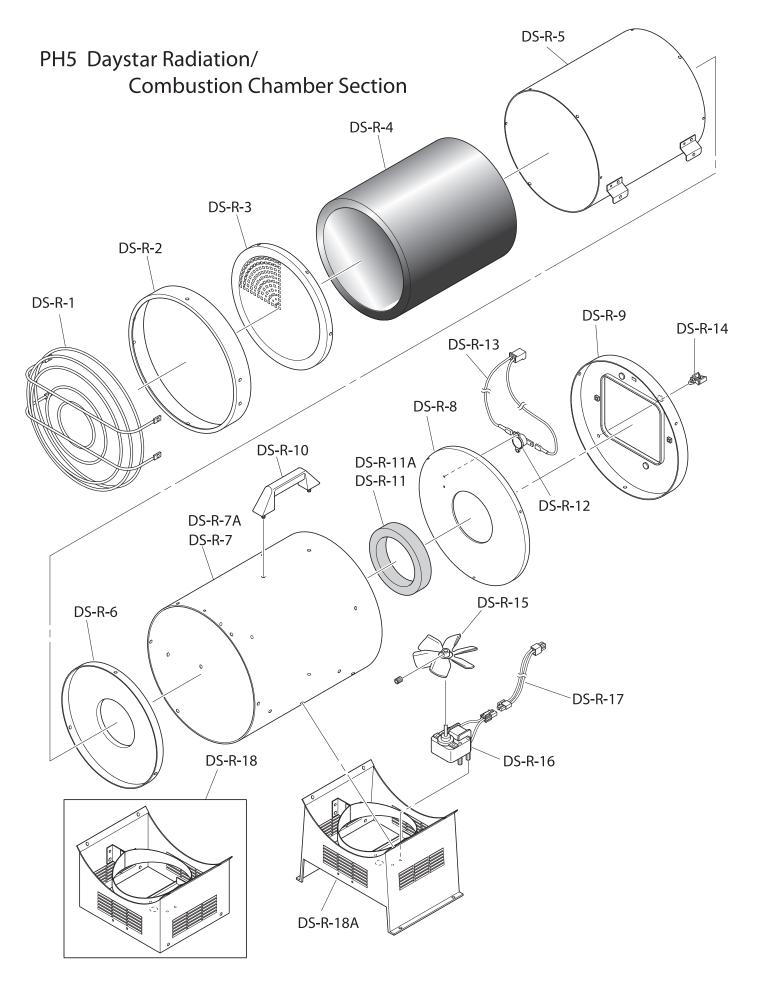
2.6 gallons

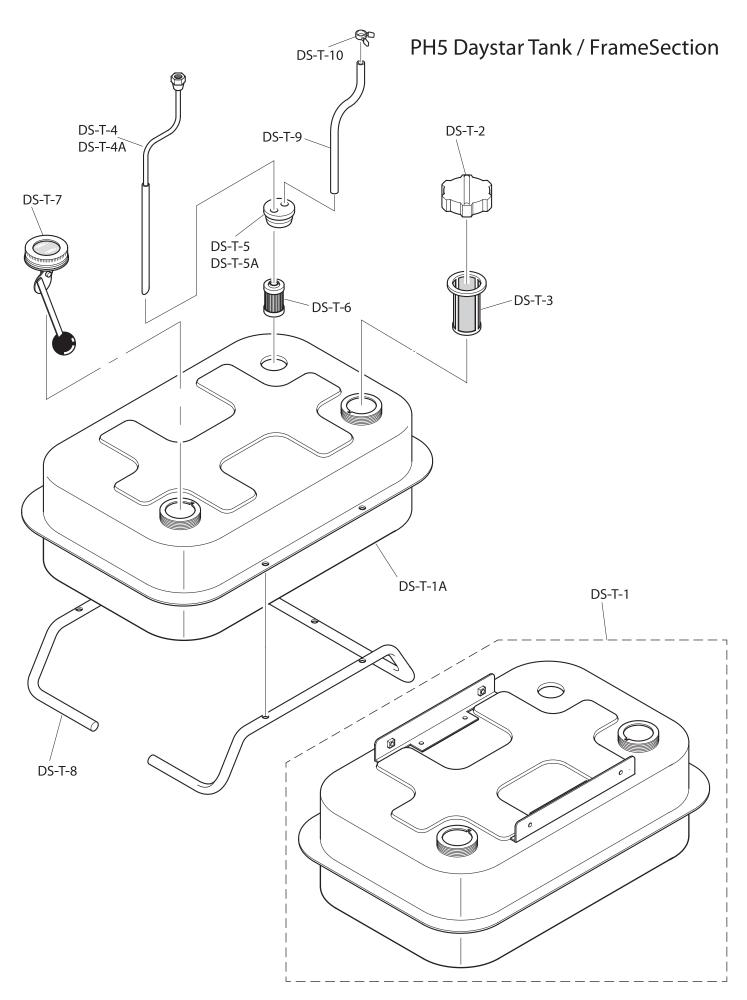


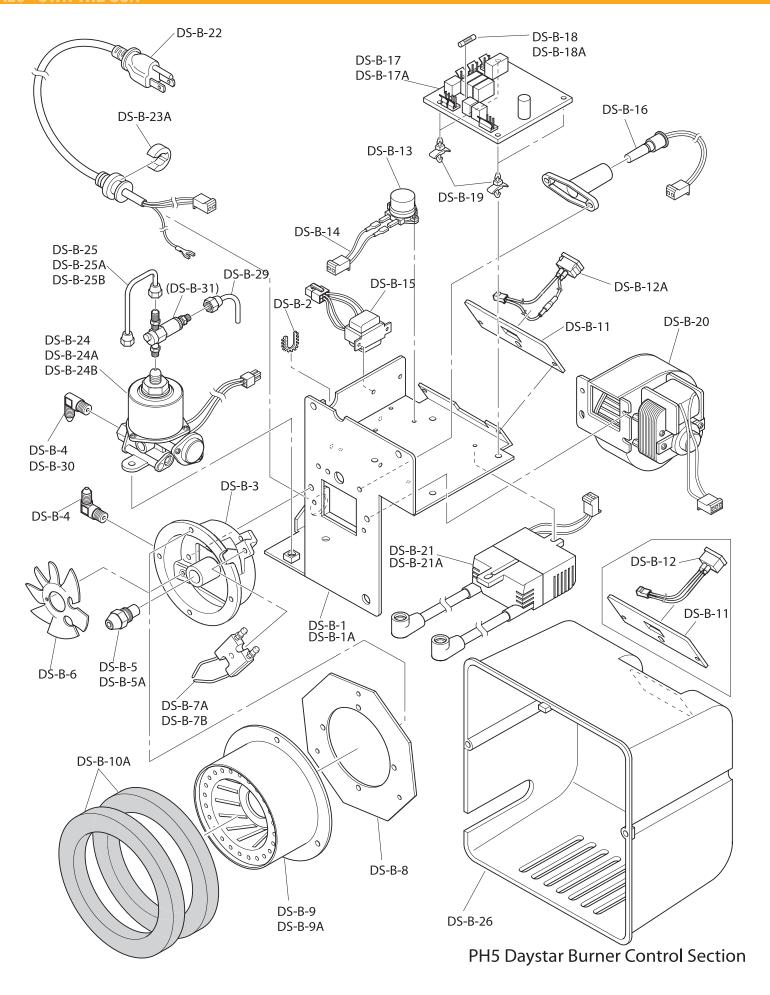
DAYSTAR PARTS LIST

han 10	hin besityte	. Nes
WALDER OF		IUSTO N
WILDER OW	Union Disc	Embry
WEL-DE-F-749	With the same of t	Fism I
WALDER OF	THE STREET	
WL 04 F (A		
WATER TO BE SERVICED TO SERVIC	NOZILE CAO	Up to M
WALDS FOR	M0224 0.40	From N402
WIL-DE-F-00	PARK VANC	
MANAGE STATE	ELECTRODE .	
VPL-D6-8-00	SAMES COME STATES	Mounton H. Has to call with 2 09-6-499
WPL-DS-8-00 WPL-DS-8-004	NUMBER COME	From N402
WIL-DS-9-089	WATER COME	From F-07
MPL DS B-10	WATER GARAGE	Coly for inventory left, discontinued
WM-D8-8-18A	SUPPLY STATE	Cels for inventory left, disperienced
VPL-DS-9-169		Pair with 8-01. From 6-01
WH-DEF-140		From F-97
WL-068-11 WL-068-10	INCHESION IN THE SECOND IN THE	From HO1
WL0442	GMTCH ASSESSELY	
WLDS-DA	OMPOHABIONALY	From J-81 with the second at terrainal
WL064-0	TIP CHIER INSTON	Commun 1731-8-44
WI-08#4	THE CHARLES WHETCH COMMA	D
WL 04 F 19	ELECTRICAL PROPERTY.	Summer 1771-19-04 Summer 1771-19-11
WL-08-8-17	BUTTER CONTROLLER	Up to P
MPL-DS-F-179	MATTER CONTROLLER	From N-01 cas replace 9-17
WILDER-10	PURE GIVE	Parm on 1738-17A
MPL-DS-F-100	PURE DAY HAPAL	From N-01
WM-D6-99	CONTROL GUPFORT	Pares de 1631/6/65
	MAN MOTTON MANTECON TRANSPORTED BASE	
WE DE FEW		From J-81 with shorter play where
WILDER IN	POMENOUSE.	
WILDER FROM	CELETONE	
WLDS FEE	PUBLICANO PUBLICANO	William of year water ord: From J-01 with oir year years
WF 05 1 10	PULL CONTENTED	
WEDEFER.	PULL CURLET LINE	From N/C1
WI 18 F 18		Fiom J-P1
WLDEF IN	HOUSES	Come on PLD-9455Y
WE DE F 10	PURE BLOCK	
WL DEFE		
WILDER F	CANOTINE PERSON NOT	
WILDER AL		
WLDS NA	MADE MON CHAR.	
WLDSR4	MARIE CYLINCIAL COURT CYLINCIAL	
WL CE 840	CACHOR BAD	
WL DER MA	CHANG	
WPL-DS-R-60	BHILLATOR:	
VPL-DS-R-69		
W1-05-0-40		
WILDER4(A WILDER4E	SUPPLY CHAT CHEST	
WLOS NO	CHARLEST PROTECTION CANAL	
	GME CLP	
WIL-DE-R-40	BLOWER PM	
WL 05 B 49	E.CAMER POPUL E.CAMER NOTOR	
WLDSR46 WLDSR46 WLDSR47	MICHAEL PROF MICHAEL MOTOR MILLY CARLE	
WILDER 00 WILDER 07 WILDER 07 WILDER 00	SECONDER PROF SECONDER NEXTOR PROFESSOR DANCE SPENN SAME	Fron MO1
WLDSR49 WLDSR47 WLDSR47 WLDSR49 WLDSR48	MICHAEL PROF MICHAEL MOTOR MILLY CARLE	Fron M-04
WILDER 10 WILDER 17 WILDER 17 WILDER 10 WILDER 10 WILDER 17 WILDER 10 WILDER 10 WILDER 10 WILDER 10	RECOMER POW RECOMER HEFER PREAD COMER CRIMINATE RELEATIONS PARE TOWN	Fron MO1
WM.DE-R-40 WM.DE-R-40 WM.DE-R-47 WM.DE-R-40 WM.DE-T-41 WM.DE-T-41 WM.DE-T-41	RECOMER POWER RECOMER MOPOR PREAM SAME COMMENSE	
WILDER 10 WILDER 17 WILDER 17 WILDER 10 WILDER 10 WILDER 11 WILDER 11 WILDER 10 WILDER 10 WILDER 10 WILDER 10	RECOMER POOR RECOMER HEFTER FREAT COMES COMES POOR COMES POOR FREE TOMAK TAMELED TAMELED	Fron MOI
WILDER 10 WILDER 17 WILDER 10 WILDER 10 WILDER 11 WILDER 11 WILDER 10 WILDER 10 WILDER 10 WILDER 10 WILDER 10	RECOMER POWER RECOMER MOPOR PREAM RANGE CHARLESTONE CH	
WILDER OF WILD WILD WILD WILD WILD WILD WILD WILD	BLUMBER PROF BLUMBER BETTER BETTER BANK BANK BANK BANK TRACK FASE TRACK TANKS BANK TRACK TANKS BANK TRACK TANKS BANK TRACK BLUMBER BANK BANK BANK BLUMBER BANK BANK BANK BLUMBER BANK BANK BANK BANK BANK BANK BANK BANK	From N452
WILDER 10 WILDER 17 WILDER 10 WILDER 10 WILDER 11 WILDER 11 WILDER 10 WILDER 10 WILDER 10 WILDER 10 WILDER 10	RECOMMENDATION RECOMMENDATION RELATIONAL CONNELL CONNE	Fron MOI
\MILDER \M\ \MILDER \M\ \WILDER \M\	RECOMMENDATION RECOMMENDATION RELATIONAL TOTAL BASIS TOTAL BASIS TOTAL BASIS TOTAL BASIS TOTAL TOTAL BASIS TOTAL	From N472 From N472 From N472 From N472 States and EPPF0-40
WH. DE B. 40 WH. DE B. 40 WH. DE B. 40 WH. DE B. 40 WH. DE F. 40	RECOMMENDATION RECOMMENDATION RELATIONALE STRUCTURE STRU	From N402 From N402
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	RECOMER PROFESS RECOMER REPORT PREAD COMER CONTROL BASIS CONTROL BASIS CONTROL TOMAN PARE TOMAN TAMELED TAMELE	From M472 From M472 From M472 From M472 States as EP97-0-4.0 From M472 States as EP97-0-4.0
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	BLOMBE PROFES BLOMBE MOTOR BRANC CANAL CREAT PARK FRANC TRACK FRANC TRACK BLOTTON FRANCE BLOTTON	From N472 From N472 From N472 From N472 States as EPP-0-10 From N472 States as EPP-0-10 From N471
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	RECOMER PROFESS RECOMER REPORT PREAD COMER CONTROL BASIS CONTROL BASIS CONTROL TOMAN PARE TOMAN TAMELED TAMELE	From M472 From M472 From M472 From M472 States as EPF60-4.0 From M472 States as EPF60-4.0

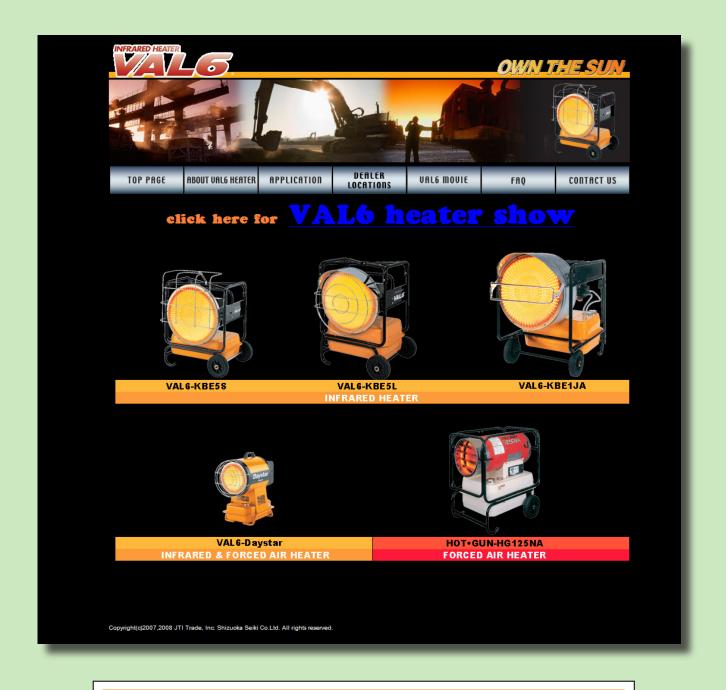
Year	2001/2002	2002/2003	2003/2004	2004/2005	2005/2006	2000/2007	2007/2008	2008/2009	2009/2010
Savial No.									





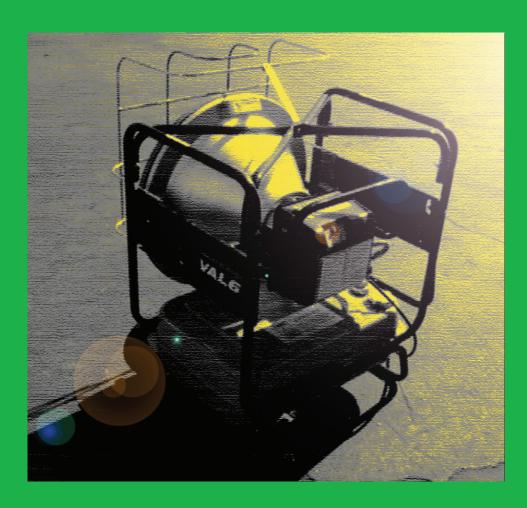


VAL6 WEB info.



- VAL6 heater specifications
- Trade show exhibits
- VAL6 promotion movie
- •FAQ

For more info, See http://www.val6.com



INFRARED HEATER ONVINITATE STUTNI

9555 Owensmouth Ave., Suite 1 Chatsworth, CA 91311 (877)825-8256 or (818)718-1058 FAX:(818)718-1062 E-mail: info@val6.com Website:http://www.Val6.com