VEVOR®90E PRODUCT SEPVICE MANUAL

Professional steam protection equipment manufacturers



Safety Warning Signs



Operate this protection with working conditions common sense

Before installing and operating the welder, look at the following safety precautions



Read the instructions

before the operation of the machine, free to read the product brochures in detail.
 before the original parts and accessories.



To prevent electric shock: 1.Do not use the skin and wet dothes contact welding

machine.

2.Do not turn off the power supply, and do not let the cable around the operator who wear a thick bottom insulation shoes

3. Ground and work directly connected.



When using the machine, wear a mask to avoid problems with parts explodingWill cause harm.



In the workplace, due to welding will produce toxic gases, pay attention to ventilation, so as not to poison. (Prohibited in the closed container welding)



Static electricity can damage the machine's circuit board 1. connected to a good ground, to prevent static electricity.

2. in the movement and storage to use anti-static items covered. So as to avoid damage to the machine.



Self-protection (CO2 welder)
The use of gloves, wearing thick dothing long dothing, parts.



splash of sparks and arc will cause damage to the staff.
 please wear a mask or with the edge of the glasses.



Do not touch the hot workpieces by hand during welding.



Metal spatter may cause damage to the eyes of the user. Please wear a mask or a pair of glasses.



To prevent the explosion: flammable, explosive products away from the welding area.



1. the electromagnetic field can affect the operator'sheart, such as the heart there Install the pacemaker, please stay away from the machine.

2. such as the need to operate the machine, free advice



Be careful not to be crushed and bruised while moving.



Please do not work for too long, will cause the machine part of the zero parts overheating, damage the life of the machine.



Prohibit welding at high.



Prevent fire

advice for life.

Welding is completed, check the welding area with or without overheating spatter and hot metal to prevent fire.

Prohibited: the welding power supply to do the use of pipeline thawing.

Note:

Welder self-protection! Focus on others safe!

Focus on plant safety!

Pay attention to equipment maintenance!



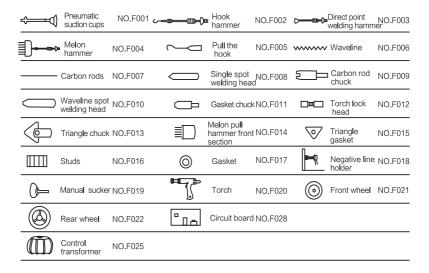
Symbol Definition

Α	Current	1max	Rated maximum supply current	—	ON	%	Percentage
٧	Voltage	1eff	The most efficient supply of current	0	OFF	C	Increase
12	Rated welding current	ΙP	Degree of protection	\bigoplus	Ground line		Cable
S ₁	Rated power	12	Simplex	\bigcirc	Prohibited behavior	₽	Loosen the protective cover
ΗZ	Frequency unit	Χ	Periodic duty cycle	S	There are dangerous places to use	+ -	Adjust the gas pressure
U ₁	Rated input voltage	=	DC	φ	Input	8	Automatic
Uo	Rated no-load voltage	Z	Steady current	0	Voltage input	The state of the s) Manual
\bigcup_2	Load voltage	F	Temperature	-6	Low pressure lights		



Optional spare parts table

Major parts table



Note:1) .All kinds of spare parts, the user can choose according to their own situation

2) .When purchasing, you can contact the local dealer or service, reported number can be.



Installation

1. Specifications and parameters

Model	90E
Input voltage (V)	V
Output voltage (V)	Carbon rod heating AC3V-5V Meson melting AC1V-7V Touch welding AC1V-7V
Input power (KW)	3
Instantaneous maximum output current (A)	3500
Input the maximum current (A)	20
Way of working	Automatic induction welding
Regular working hours	Automatic mode program setting
Work stalls	7 channels 63 modes
Single-sided welding thickness (mm)	0.6-1.2
Vacuum suction (kg)	180
Dimensions (mm)	430x260x360 (Host)
Weight (kg)	25 (Host)

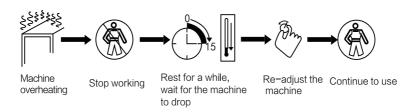
Aisle	Name	Stalls	Welding thickness (mm)	Power Consumption (kw)
	Triangle sheet welding	1–9 file preferred	0.8-1.2	0.8-2.5
O	Gasket welding	1–9 file preferred	0.8-1.2	0.8-2.3
9	OT gasket welding	1–9 file preferred	0.8-1.2	0.8-2.5
	Waveline spot welding	1-9 file preferred	0.8-1.2	0.8-2.5
	Stud welding	1–9 file preferred	0.8-1.2	0.8-2.8
	Carbon rod heating	1–9 file preferred	0.8-1.2	0.8-2.0
	Steel plate flattened	1–9 file preferred	0.8-1.2	0.8-3.0



2. The work cycle and overheating protection

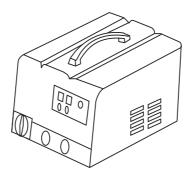
The working cycle of the machine is the use of repeated cycle of work, the welding cycle time for the load time and no load time and.

In addition, the machine is equipped with overheating protection, when the temperature reaches the critical, the welding machine will automatically stop working, to be cooled, you can continue to operate, as shown in the specific situation.





- 3. The installation of the machine
- 1). Customers receive the machine, the first package will open, find the product brochures.
- 2). According to the instructions in the packing list on the items and the number of checks to check the type of machine accessories and the number is correct.
- 3). According to the machine's appearance picture, the machine is installed, and check the machine whether there are other problems, if any questions, please consult the dealer or service solution.





- 4. Move and place the machine's attention
- 1). After the installation of the machine if no other problems, we must choose the right place to put.
- 2). The length of the input power cord is determined according to the operating distance, and the power cord must not be less than 4 mm copper cable.
- 3). When placed in the machine, can not be tilted around, to be stable on the ground to avoid damage to the machine.
- 4). When moving the machine, use a pulley with a pulley or move it with the wheels of the machine. Do not drag the machine or pull the cable to move the machine. Otherwise, it will damage the machine or break the cable and cause inconvenience to the later work.



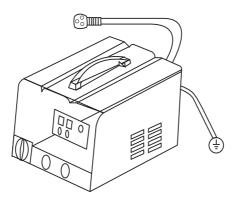






5.Enter the connection method of the power supply

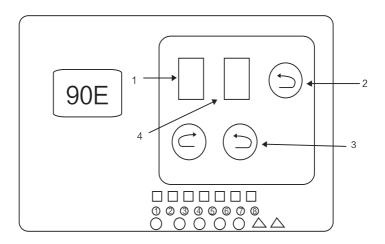
Step one, the input voltage of __V can be used with the machine comes with the power cord and 16A plug connection

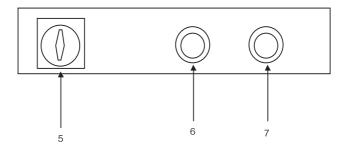




Operating

1. Operation panel guidelines

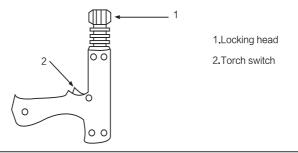


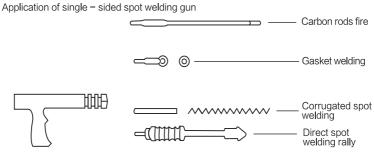


- 1.Welding mode
- 2.Mode confirmation
- 3.Adjust 4.Power mode
- 5.Switch
- 6.Ground line
- 7. Torch line



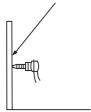
2. Welding torch and connector



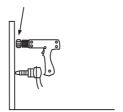


Negative line fixing method

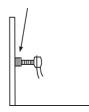
1.Place the wire on the sheet metal section that needs to be repaired.



2.the welding torch in the vicinity of the machine near the automatic welding machine.



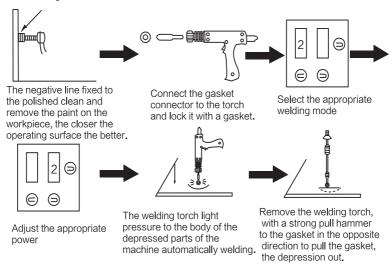
3.Fixed ground wire





3. Method of operation





Note:

1.Before doing this, please test on other workpieces to avoid damage to the surface of the vehicle due to excessive current or too long damage.

2.According to the body plate thickness, select the appropriate gear, the machine will automatically match the welding time with the current.

3. After doing this, you can continue with other functional operations. If you do not continue to work, turn off the power and cut off the main switch, finishing the various accessories for the next use.



3. the operating method

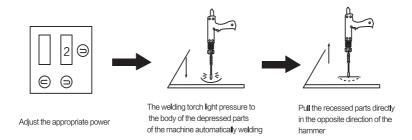
B. triangular pieces of welding



The negative line fixed to the polished clean and remove the paint on the workpiece, the closer the operating surface the better.

Connect the connected triangular pull hammer to the torch and lock it.

Select the appropriate welding mode



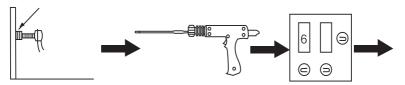
Note:

- 1, before doing this operation, please try the other parts in order to avoid the current is too large or too long to damage the body to repair the surface.
- 2, according to the body plate thickness, select the appropriate gear, the machine will automatically match the welding time with the current.
- 3, triangular pieces of welding before the replacement of the meson repair, it can be directly after the welding part of the depression pulled out.
- 4, after doing this operation, you can continue to other functional operation, if you do not continue to work, please turn off the power and cut off the main switch, the various accessories finishing for the next use.



3. the operating method

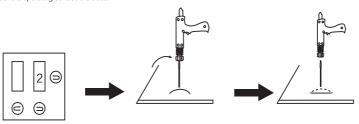
C. carbon rod heating



The negative line fixed to the polished clean and remove the paint on the workpiece, the closer the operating surface the better.

Connect the carbon rod and carbon rod connector to the torch and lock it.

Select the appropriate welding mode



Adjust the appropriate power

The carcass is heated in a clockwise direction

With cold water or wet cloth placed just to the location of the use of thermal expansion and contraction of the prominent part of the tightening, to return to normal

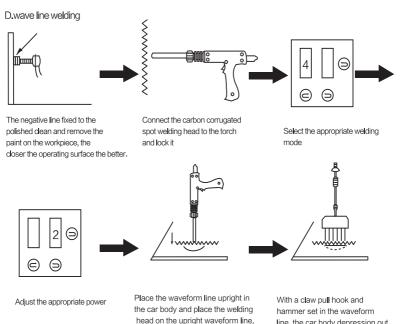
Note

- 1, before doing this operation, please try the other parts in order to avoid the current is too large or too long to damage the body to repair the surface.
- 2, according to the body plate thickness, select the appropriate gear, the machine will automatically match the welding time with the current.
- 3, after doing this operation, you can continue to other functional operation, if you do not continue to work, please turn off the power and cut off the main switch, the various accessories finishing for the next use.

line, the car body depression out



3. the operating method



1. before doing this operation, please first test on the other parts, so as to avoid the current is too large or too long damage to repair

The machine will automatically weld

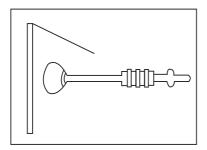
Body surface.

- 2. according to the body plate thickness, select the appropriate gear, the machine will automatically match the welding time with the current.
- 3. after doing this operation, you can continue to other functional operation, if you do not continue to work, turn off the power and cut off the main switch, Will be a variety of accessories finishing, for the next use.



3. The operating method

E.The use of sucker



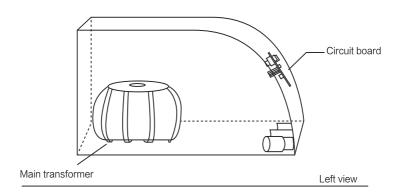
Use of manual sucker:

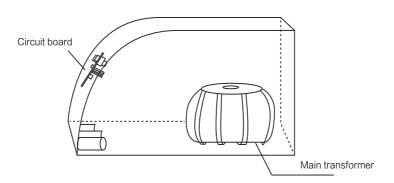
- 1. the sucker and pull hammer connected
- 2. the sucker forced to no dead angle of the depression
- 3. with the hammer in the opposite direction to pull out the depression



Maintenance and repair

1. Internal structure map





Right elevation



Maintenance and repair

2. Failure and exclusion

Malfunction	Cause	Treatment measures	
No power supply	(1) The power supply is not connected correctly (2) The power switch is not turned on	(1) Check whether the wiring is installed according to the requirements of the machine (2) Turn on the machine power switch	
Automatic welding does not work	(1) No good ground (2) Pull the plug of the machine control line	(1) Check and then take a good ride (2) Open the machine and re-plug the connector	
Welding is not strong	Select the correct mode	(1) Increase or decrease the stalls	
Break the body	Select the correct mode	(1) Increase or decrease the stalls	
Carbon rods are unstable	(1) Carbon rod before work did not polish, work pieces not polished cleanly (2) Select the carbon rod mode 6	(1) Work before grinding about, so that there is no iron Impurities (2) Increase or decrease the stalls	
Work machine stop not working	The temperature is too high	The temperature down, will automatically work	



Packing List

Part name	Quantity	
Hook hammer	1	
Carbon rod connector	1	
Meson spot welding head	1	
Triangle chuck	1	
Manual sucker	1	
Carbon rods	2	
Triangle straight pull sheet	10	
Spanner for wrench	1	
Host	1	
Manual	1	