

## INSTALLATION. FRONT AND REAR PANELS OF A WELDING MACHINE

### 18.1. Vocabulary

*Ex. 1. Match the words with their Russian equivalents.*

1. hold	a. кнопка
2. confirm	b. подтверждать
3. brief	c. длина дуги
4. extension lead	d. короткий
5. button	e. удерживать
6. arc length	f. заземляющий стержень
7. cutout switch	g. мощность
8. capacity	h. автоматический выключатель
9. earth pin	i. удлинитель

*Ex. 2. Match the words with their definitions.*

1. overload	a. located at the back or behind something
2. rear	b. to set up or put something in place
3. plug	c. a device used to connect electrical equipment to a power source
4. thickness	d. an excessive amount of something, causing strain or stress
5. make sure	e. the measure of how thick something is
6. warning	f. to confirm or verify that something is done correctly
7. wire speed	g. by way of or through a particular place or means
8. via	h. the rate at which wire is fed during a welding process
9. socket	i. the act of setting up or putting something in place
10. installation	j. a statement or sign that alerts someone to potential danger or harm
11. install	k. a device into which an electric

	plug can be inserted to make a connection
12. return	1. the action of giving back or bringing something back

**Ex. 3.** Complete the sentences with the given words.

**plug, capacity, warning, confirm, rear, earth pin, extension lead**

Make sure to \_\_\_\_\_ (1) the welding appointment for next week.

The machine has the \_\_\_\_\_ (2) to melt metal for welding projects.

Check that the \_\_\_\_\_ (3) is securely connected before starting to weld.

I need to use an \_\_\_\_\_ (4) to reach the welding area.

The \_\_\_\_\_ (5) should be compatible with the welding machine for safety.

Follow the \_\_\_\_\_ (6) signs posted around the welding area.

Stand at the \_\_\_\_\_ (7) of the welding station to stay safe from sparks.

## 18.2. Reading

**Ex. 1.** Read the text.

Installing a welding machine involves several key steps, particularly when dealing with the front and rear panels. First, ensure the machine is unplugged from any power source to avoid accidents. Begin with the front panel, which typically houses the control knobs and display screens. Carefully align it and secure it with screws, making sure all connections are properly made.

Next, move to the rear panel. This section often includes the power connection, fan, and other vital components. Check that the power cable is properly inserted and all other cables are connected correctly. Attach the rear panel with the provided screws, ensuring it fits snugly and securely.

Once both panels are in place, double-check that everything is tightened and aligned. Finally, plug the machine into the power source and perform a test run to ensure all parts are functioning correctly. Following these steps helps ensure a safe and efficient welding experience.

**Ex. 2.** Answer the questions.

1. What are the key steps involved in installing a welding machine?

2. Why is it important to unplug the machine from any power source before beginning the installation process?
3. What components are typically found on the front panel of a welding machine?
4. How should the front panel be secured during installation?
5. What components are usually located on the rear panel of a welding machine?
6. Why is it necessary to check all cable connections on the rear panel?
7. What final step should be taken after both panels are securely in place?

### **18.3. Communication**

*Ex. 1. Make sentences using the following words:*

1. front/displays/settings
2. rear/houses/switch
3. front/rear/access
4. adjust/front/carefully
5. rear/cooling/safety
6. turn/off/properly
7. front/rear/metal
8. check/rear/connections
9. front/rear/cleaning
10. machine/work/panels