

FOOT PEDAL

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OPERATOR'S MANUAL

YESWELDER®

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1-1. GENERAL INFORMATION AND SAFETY

A. General

Information presented in this manual and on various labels, tags, and plates provided on this unit pertains to equipment design, installation, operation, maintenance, and troubleshooting which should be read, understood, and followed for the safe and effective use of this equipment.

B. Safety

The installation, operation, maintenance, and troubleshooting of arc welding equipment requires practices and procedures which ensure personal safety and the safety of others. Therefore, this equipment is to be installed, operated, and maintained only by qualified persons in accordance with this manual and all applicable codes such as, but not limited to, those listed at the end of Section 1 - Safety Rules For Operation. Safety instructions specifically pertaining to this unit appear throughout this manual highlighted by the signal words **WARNING** and **CAUTION** which identify different levels of hazard.

WARNING statements include installation, operation, and maintenance procedures or practices which if not carefully followed could result in serious personal injury or loss of life.

CAUTION statements include installation, operation, and maintenance procedures or practices which if not carefully followed could result in minor personal injury or damage to this equipment.

A third signal word, **IMPORTANT**, highlights instructions which need special emphasis to obtain the most efficient operation of this equipment.

1-2. DESCRIPTION

These Remote Foot Controls are designed for use as a remote Amperage control in conjunction with a welding power source or welding generator having electric amperage and equipped with remote control facilities.

2-1. LOCATION

The Remote Foot Control is equipped with a sixteen foot cord (unless otherwise specified) which enables the Remote Foot Control to be remotely located from the welding power source or welding generator. If it is necessary to install a cord of longer length, up to 200 feet (61 m) of similar type cord may be used. Refer to Table 2-1 for conductor size according to the desired length.

2-2. INTERCONNECTIONS

Remote Foot Controls For Remote Amperage

1. If the cord is equipped with a locking cap, fully insert the cap into the Remote Amperage Control Receptacle on the welding power source or welding generator and rotate clockwise.
2. If the cord is equipped with a power connector, align keyway, insert plug into receptacle, and rotate threaded collar fully clockwise.

Table 2-1.Cord Length And Size

Amperage Control		Contactor Control	
Cord Length	Conductor size*	Cord Length	Conductor Size
Up To 20 Feet (6 m)	No.16	Up To 200 Feet (61m)	No.16
Up To 20 Feet (6 m)(GD Models)	No.14		
21 To 100 Feet (6 to 30 m)(GD Models)	No.12		
21To 50'Feet (6 to 15 m)	No.14		
51 To 100 Feet (16 to 31 m)	No.12		
101To 200 Feet (31 to 61 m)	No.10		

*AWG -American Wire Gauge

3. REMOTE AMPERAGE

On most welding power sources or welding generators, when a Remote Foot Control is used, the Remote Foot Control functions as a fine amperage adjustment of the Amperage on the welding power source or welding generator. For example: If the Amperage Adjustment Control on the welding power source or welding generator is set at the mid-point position, the Remote Foot Control provides (from its minimum to maximum positions) fine adjustment of one half of the welding power source or welding generator output. If full adjustment of the maximum output of the welding power source or welding generator from the Remote Foot Control is desired, rotate the Amperage Adjustment Control on the welding power source or welding generator to the maximum position. On some welding power sources or welding generators the Amperage Adjustment Control is inoperative when a Remote Foot Control is used.

In this case, the Remote Foot Control provides complete control from the minimum to the maximum output of the welding power source or welding generator rather than fine adjustment of the Amperage Adjustment Control setting on the welding power source or welding generator.

To determine in which way the Remote Foot Control affects the operation of the welding power source or welding generator, refer to the welding power source or welding generator circuit diagram and/or Instruction Manual.

IMPORTANT: When a Remote Foot Control is used, refer to the Instruction Manual of the welding power source or welding generator for additional operational information.

4. MAINTENANCE

WARan kill; HOT SURFACES can cause severe burns.

- Do not touch live electrical parts.
- Disconnect plugs from power source before inspecting or servicing.
- Allow unit to cool before servicing.

Once each month inspect the Remote Foot Control Cord for breaks in the insulating jacket particularly at the plug and at the entrance into the Remote Foot Control housing. Repair all breaks with electrical tape, or replace the cord if necessary. Refer to T Diagram 5-1 through Diagram 5-2 for proper cord conductor connections).

Move the Remote Foot Control foot pedal from the minimum to the maximum position. This procedure will prevent oxidation from building on the contacts, which could insulate the contacts from the brush, causing the control to become inoperative.

5. ELECTRICAL DIAGRAMS

Diagram 5-1

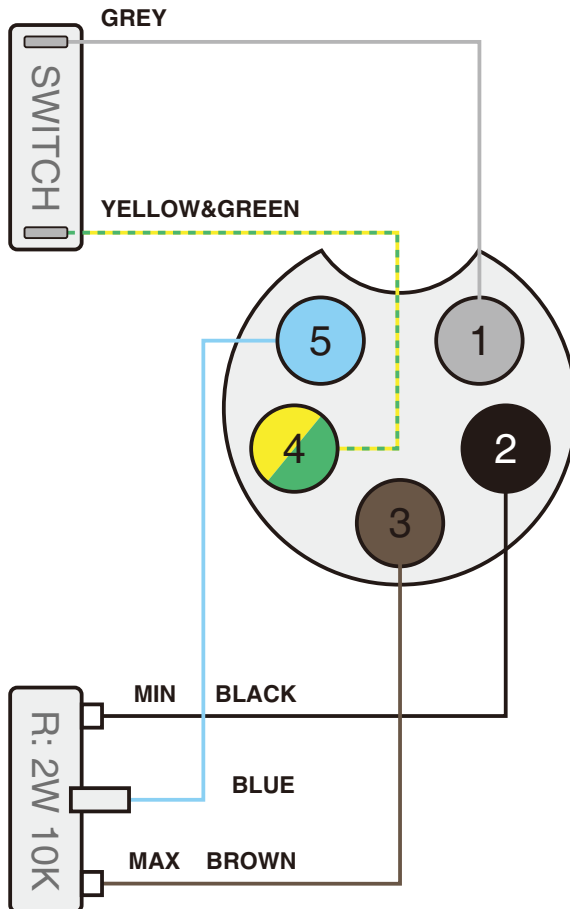


Diagram 5-2

