

## Regular 200 Kit Instructions

Specifications: 24 inch handmade wiring harness including a single pole, double throw DC switch.

-Standard 15 AMP 3-prong female plug.

-Fits the Short Hood through Classic 1, SA 200s, and SA 250s (all DC) machines.

Installation Note: **DO NOT TAKE THE SWITCH'S WHITE WIRE OFF OF THE WIRING HARNESS FOR ANY REASON.**

-You will need a Phillips and straight head screwdriver, an 11/32 socket, (old plug is possible 3/8), a 9/16 deep socket, and a half inch drill bit. *Please don't forget your patience.*

1. The remote and local switch is installed **first**, so drill one ½ inch hole within 12 inches of the machine's rheostat.
2. Locate the center post of the welding machine's rheostat (located at either 3 o'clock or 9 o'clock, depending on how the rheostat is mounted).
3. Take the blue shunt wire off the center post of the rheostat, and place the blue shunt wire on the center post of the remote/local switch. Be careful and do not over tighten the screw on the switch.
4. Take the black jumper wire located on the remote/local switch and attach it to the center post of the rheostat where the blue shunt wire was, and tighten. Black switch wire to center post of the rheostat.
5. Attach the fat black wire (with fork terminal) to the left offset lug of the rheostat (either at 2:00 or 8:00) with the red exciter wire.
6. The last wire is the green wire with an in-line splicer. Machines with PC idler boards (factory or after-market) will have a single black wire (factory color) connecting the PC board to the machine's old, round receptacle. Use the in-line splicer, slide over the black wire, and crimp the wires together with a pair of pliers.
7. The last step is mounting the remote/local switch. Rotate the switch vertically, so the black wire is on the top and the white wire is on the bottom. The switch is now aligned with the switch label.
8. Secure the wiring harness to the frame of the welding machine with the wire tie strap.
9. ***Congratulations!*** You now have our R200 adapter installed, and you are ready to work. To test the remote (first time try only), put the remote/local switch to the **remote** position, then crank your machine. After the welding machine has idled **down**, you can now safely plug your remote, straight into the adapter's female plug, and see if the welding leads will strike an arc. If the leads just sparkle, then the wiring is incorrect.

-Short hood machine's often have wiring issues and require direct assistance from Cable Control Kits.