

## New SA 200 Kit Installation

Specifications: 20-AMP orange IG adapter plug with a single pole, double throw DC switch.

-New style allows power tools and the remote to operate from the orange IG adapter plug.

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

Installation Note: Take the wires off your machine's old, round receptacle, ONE side at a time.

**-DO NOT TAKE THE WHITE WIRE OFF OF THE ORANGE IG ADAPTER PLUG 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. 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 receptacle. When installing the N200 adapter, place this wire on the silver screw of the orange IG adapter plug. Black to N200 adapter silver screw.

1. (If you have a PC Idler Board, don't worry about this step) Machines with Vacuum Idlers use two wires (one brown, one black) coming from the wiring harness at the top of the generator, and they connect to one side of the old receptacle, only. They go nowhere else on the machine. When installing the N200 adapter, place both of these wires on the silver screw of the orange IG adapter plug. Brown and black to silver N200 adapter screw.

2. Take the two remaining red exciter wires off of the welding machine's old, round receptacle. Put both red wires onto the brass screw of the orange IG adapter plug. Red to brass N200 adapter screw.

3. The remote and local switch can now be installed. Locate the center post of the welding machine's rheostat (located at either 3:00 or 9:00, depending on how the rheostat is mounted). 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 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. 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.

6. Congratulations! You now have our N200 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 orange IG adapter plug and see if the welding leads will strike an arc. If the leads just sparkle, then the wiring is incorrect.

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