

Technical Data Sheet

Installation of the Clydesdale 1 8491 Rheostat Kit

Part # 94-88910

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INCLUDED IN KIT (1 each):

#3160-405: Fiber Spacer*
#4600-1210: #10 Flat Washer**
#4600-2100: "E" Clip Retaining Ring*
5430-010: Speed Control Wheel*
#5491-018: Speed Control Bracket*
#5491-020: Speed Control Heat Shield**
7000-172: Clear Tube (3'16"ID x 5/16"OD x1")*
#7200-601: Rheostat (Speed Control) *

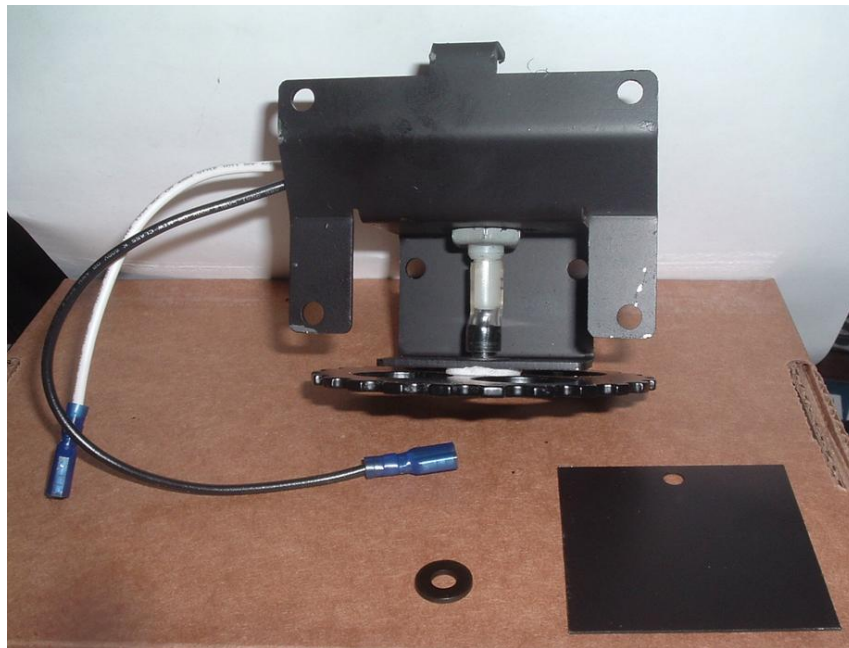
*Installed on Rheostat Assembly

**Loose Parts

TOOLS REQUIRED:

5/32" Allen Wrench
Phillips Screwdriver
Stubby Phillips Screwdriver

BEFORE YOU BEGIN: Identify the parts. Report any shortages to HearthStone.



PROCEDURE:

1. Unplug the fan from wall outlet.

2. Using a 5/32" allen wrench, loosen the two setscrews in the ash lip ((see Photo #1). Once these screws are removed, lift the top portion of ash lip up and lift it off the base.



Photo #1: Removing the setscrew from the ash with the 5/32" allen wrench. One is located on the left and one on the right corner under the top edge of the lip.

3. With the top portion of the ash lip removed, you will see the original rheostat. Remove the phillips screw in the top of the assembly (see Photo #2).

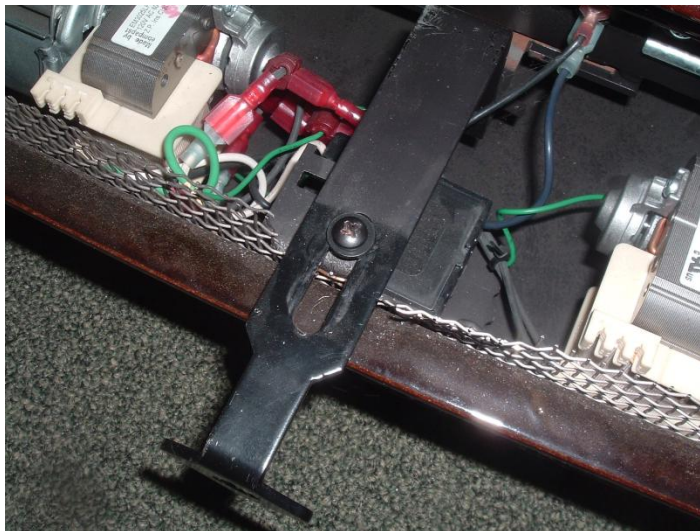


Photo #2: Phillips screw on the top of the rheostat bracket.

4. Before going further, check the locations of the affect wires as shown in photos number #3 through #5.

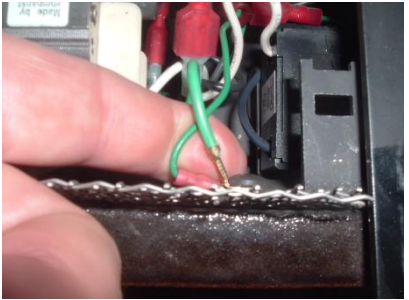


Photo #3: Green wires behind the top left screw on rheostat bracket.

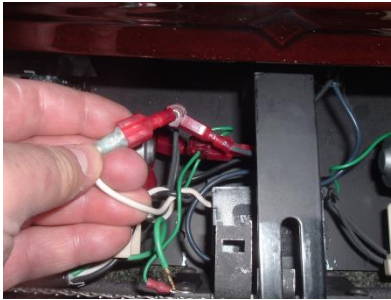


Photo #4: White wire from rheostat connects to the red connector block.



Photo #5: Wire from Rheostat to snap switch.

5. Remove the four phillips screws on the back of the rheostat bracket. Carefully disconnect the two wire connectors and take the defective rheostat out of the ash lip and discard it.
6. Fit the new rheostat into the ash lip. The control wheel on the bottom should extend out through the bottom front of the ash lip. Turn the four screws back into place in the bracket to hold it in place against the inside face of the ash lip. Remember to place the green wires back in position on the upper left screw before placing this screw. Tighten the four screws with the stubby phillips screwdriver to secure rheostat and bracket.
7. Reconnect the wires from the rheostat to their appropriate places, as shown in photos #4 and #5. The white wire to the red connector and the black wire to the snap switch terminal.
8. Install the heat shield between the air control slide and the rheostat as shown in Photo # 6.

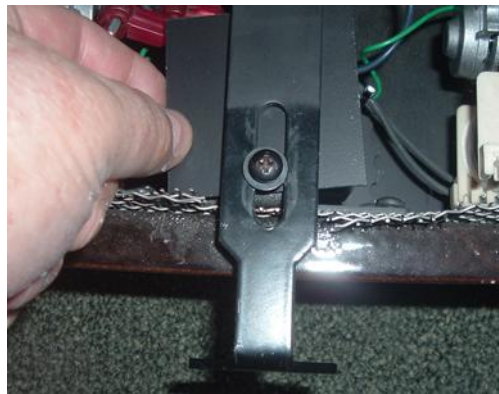


Photo #6: placement of the rheostat heat shield.



9. Set the ash lip back in place. With the front of the lip angled up, it will drop into position. Secure it by turning the setscrews in place with the allen wrench (see photo #1).

Operation: Plug the fan power cord back into the wall outlet. Once the stove heats up (the snap disc must reach 120° F.), it will work just as it previously had. When the control wheel is turned to the “on” position you will hear it click and the fan will be running on high. To lower the fan speed continue to turn the control wheel to the desired setting. To turn it off, turn the control back until it clicks again indicating it is in the off setting. It will automatically shut off once the snap disc cools, if the fire goes out.