



## Electronic Service Manuals

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## POWER EAGLE OPERATING INSTRUCTIONS

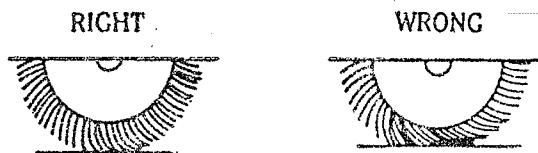
### A. OPERATION:

Your new Castex Power Eagle is completely ready for operation and no further assembly is required. To operate the Power Eagle, simply follow the instructions for SET UP AND OPERATION steps one through three in the Eagle Reference Manual, then follow the steps below.

Next, activate the switch marked "pump intermittent" and verify that the brush is spinning by listening for the brush motor and/or looking at the brush from the side of the powerbrush housing. The powerbrush can be switched on and off by pushing the chrome button located forward of the wheel to the operator's left side.

Also notice the circuit breaker next to the chrome button. This circuit breaker protects the brush drive motor from damage if the brush seizes. If the brush motor stops during use, unplug the Power Eagle and determine why the brush seized. Next, remove the obstructions and reset the circuit breaker by pushing the black button.

Before starting a cleaning operation, adjust brush height to the carpet pile height. To raise the brush, rotate the knob #5 clockwise until the bracket pointer #3 is aligned with the desired height on the indicator decal. To lower the brush height, rotate the knob counterclockwise to the desired level. For visual verification that the brush is adjusted to the correct height, see the brush height diagram below.



### Operation without spraying water:

Occasionally it is necessary to operate the Power Eagle without spraying water on carpet or hard flooring. This function is useful for scrubbing areas of ground-in dirt and is accomplished by rotating the solution control lever

located at the back of the Power Eagle to the "Attachment Use" setting. The brush will then operate without water being sprayed.

### B. AUXILIARY TOOL OPERATION WITH THE POWER EAGLE:

Optional accessories, including a 5" Hand Tool, an Upholstery Tool, or a 12" or 16" Floor tool with 15' or 25' hoses, may be used with the Power Eagle. To connect accessories follow these steps:

1. Remove the Power Eagle's vacuum hose from recovery dome.
2. Connect the 15' or 25' vacuum hose to recovery dome at #71 and to the accessory tool.
3. Connect the solution hose to the Power Eagle at #49 and to the accessory tool.
4. Move solution control lever to "Attachment Use" setting. See Illustration Fig. 1. in the Eagle Reference Manual.
5. Turn power brush off by pushing the chrome button located forward of the left wheel. This prevents the brush from spinning in one spot on the carpet which can fray carpet fibers.
6. Activate vacuum switch.
7. Activate continuous pump switch.
8. Clean with accessory tool, squeezing trigger to cycle the solution pump on and off.

When finished with the accessory tool, disconnect the vacuum and solution hoses and return the solution control lever to "NORMAL OPERATION" position. Then, push the chrome button to re-activate powerbrush.

C. GENERAL SERVICE POLICY: See letter "D" in Eagle Reference Manual.

D. SUGGESTED MAINTENANCE: See letter "E" in Eagle Reference Manual.

EAGLE POWER BRUSH  
Parts List

Code No.	Part No.	Description
1.	100608	Housing, Base
2.	140239	Bolt
3.	230255	Bracket, Height Adjustment
4.	230259	Stud, threaded
5.	240194	Knob
6.	140407	Spring
7.	140515	Nut, 3/8"-16 nylon lock
8.	204013	Washer, 3/8" Flat
9.	150538	Hose barb, 1/4" MIP x 1/4"H (plastic)
10.	160235	Tube
11.	230259	Bracket, Mounting
12.	140040	Washer, 1/2" nylon
13.	230259	Shaft
14.	140202	Bolt, 3/8"-16 x 1"
15.	700076	Spray bar (complete)
16.	150512	Hose barb, 1/4" FIP x 3/8" swivel
17.	210011	Check Valve 1/4"x1/4"
18.	150111	Reducer 1/8"M x 1/4"F
19.	150705	Tee, 1/8"
20.	150607	1/8" Hex nipple
21.	150611	1/8" x 2 1/2" Nipple
22.	150402	1/8" 90° Elbow
23.	200969	8002 V Jet Nozzle
24.	240036	Brush (complete)
25.	140210	Bolt, 1/4"-20 x 3/4"
26.	240004	Brush
27.	230260	Shaft, brush
28.	100049	Seal
29.	140125	Bearing
30.	230261	Block bearing
31.	100005	Gasket, bearing block
32.	230260	Pulley, brush
33.	140513	Nut, 5/16"-18 nylon lock
34.	100048	Belt
35.	240030	Pulley, motor
36.	140859	Screw, set 1/4"-20 x 1/4"
37.	100727	Plate, base
38.	100006	Gasket, base plate
39.	140822	Screw, 10-24 x 3/8' RHP
40.	130428	Motor, brush drive
41.	130746	2.5 AMP breaker (not shown)
42.	130304	Rectifier (not shown)
43.	130702	Switch, ON/OFF (not shown)

# EAGLE POWER BRUSH

