



**“NEW”
NINJA BRUSH
Conversion**



**A NINJA Brush Conversion
can only be done with existing
Sonny's TBG200**

Upgrade to Ninja Brush

Repair Tools

1. Safety Glasses and Gloves
2. Standard Set of Combo Wrenches
3. Standard Allen Wrenches
4. Small Chisel
5. Sledge Hammer
6. Four Wooden Blocks
7. Long Pry Bar

Consumables

1. Penetrating Oil

Manpower Required for Repair

Two (2) men

Time Required for Repair

1.50 - 3.00 hours

Replacement Parts (Sonny's Catalog)

Qty	Name of Replacement Part	Product Part Number
2	96" Tire Brush, Poly Ninja Brushes	
2	Poodle Torque Plates	TBG200/TP
4	Spacers for Ninja Brush - S. Steel Square Tubing 4 1/4" X 1 1/2"	
1	Tire Guide UHMW, Driver Side	
1	Tire Guide UHMW, Passenger Side	
1	L Bracket UHMW, Driver Side	
1	L Bracket UHMW, Passenger Side	
2	1/2" x 1-1/2" Hex Head Bolts	BOL12X150
2	1/2" Hex Nuts	
8	3/8" x 1" Hex Head Bolts	BOL38X100
8	3/8" Lock Washers	WAS38SL
8	1/2" x 2-1/2" Hex Head Bolts	BOL12X250
8	1/2" Lock Washers	WAS12SL
12	1/2" Flat Washers	WAS12SS

* All parts are included in the Poodle Brush Upgrade Kit

Purpose of this Equipment

The tire brush is what spins against the tire.

Repair Steps

Caution: You must shut off all power to the conveyor and lock out the Motor Control Center before starting this repair.

1. Shut off all power to the conveyor and lock out the Motor Control Center.

2. Start with the brush assembly on the passenger side.
3. Remove the bolts on the coupler connecting the motor shaft to the brush spindle.
4. Remove the bolt that holds the torque plate to the frame.
5. If need use the small chisel and sledge hammer to loosen the coupler sufficiently to pull the motor off the spindle. Remove the coupler from the spindle also.
6. Remove the UHMW L bracket that protects the wheels from the coupler.
7. Remove the UHMW guide rails that protect the wheels.
8. Block the old brush up with wooden blocks.
9. Remove the bolts holding the exit end brush bearings to the frame.
10. Remove the bolts holding the entrance end brush bearing to the frame.
11. The brush will be completely free of the frame now.
12. Remove the Allen set screws from the spindle brush bearings and remove the bearings.
13. Remove the bolts that mount the spindles to the brush. Repeat on the opposite end of brush.
14. Install the spindles on the new poodle brush using the existing hardware.
15. Reinstall the bearings on the spindles, but do NOT tighten the set screws at this time.
16. Set the new brush into place to bolt to the frame.
17. At both ends of the brush, insert the spacers between the spindle bearings and the frame and use the long ½" bolts supplied with the kit to mount the bearings to the frame.
18. Loosen the bolts that hold the arms pivot bearings to the frame footings and adjust the brush height so the center of the brush is 7" from the floor.
19. Tighten the bolts to secure the pivot bearings in place.
20. Check the brush to ensure it rotates freely and spins true.
21. Check that the brush is centered in the spindle bearings and tighten the set screws on the spindle brush bearings.
22. Remove the bolts holding the torque plate to the hydraulic motor and remove the old torque plate.
23. Install the new torque plate using the new hardware provided in the kit.
24. Install the coupler and the motor on the brush assembly.
25. Install the bolt that holds the torque plate to the frame, but make sure to leave a 1/8" gap between the torque plate and the frame. Bolt should allow for play when starting and stopping the motor.



TORCH PLATES



SPACERS



TBG200PEA

TBG200DXA



TBG200DEA



TBG200PXA



TBG200DER

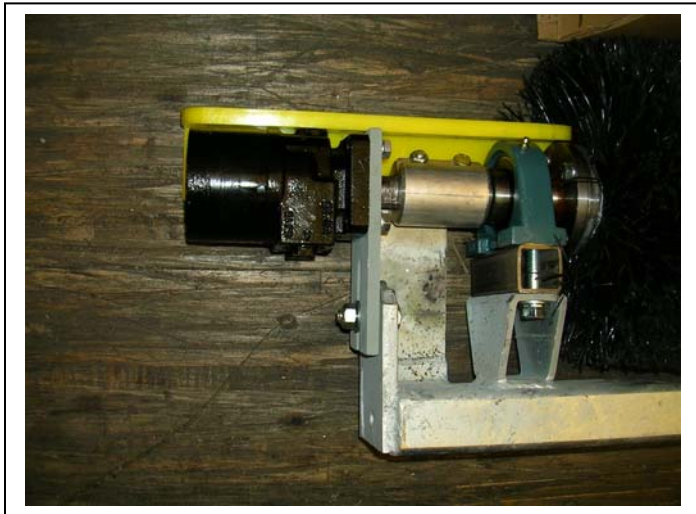
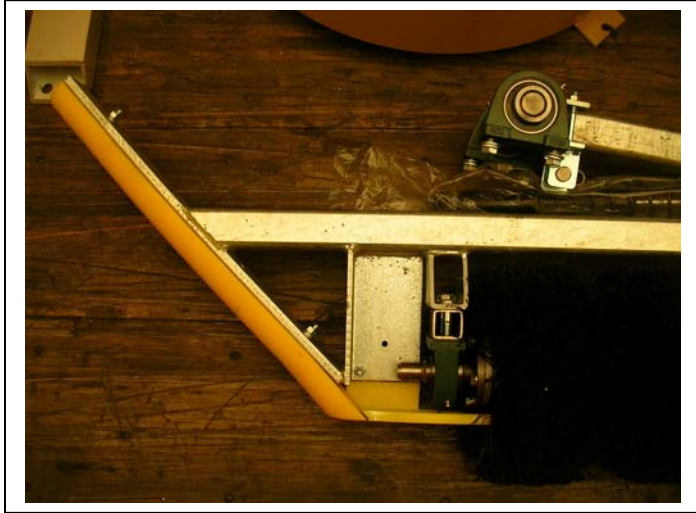


TBG200PER

26. Center the coupler on the motor shaft and the spindle, then tighten the bolts that hold it.
27. Install the UHMW guide and L bracket.
28. Remove any blocks holding the brush in place.
29. Repeat Steps 3 through 28 on the brush assembly on the driver side.
30. Remove all tools and equipment from the tunnel.

Caution: Before returning power to the conveyor and removing lock out from the Motor Control Center make sure all tools and equipment is removed and all personnel are clear of the operational area.

31. Turn power on and run the override for the tire brush. Pay attention to the movement of the new brush looking for a warped brush. Discard old parts.
32. To straighten a warped brush, turn the motor off and with the bent portion downward, place a long pry bar under the low part of the bend and lift upward. Remove the bar and test by turning the motor on. Repeat this procedure until the brush runs true.



CUSTOMER SERVICE

Please contact SONNY'S Equipment Department for installation and/or operation questions regarding this piece of equipment.

Please refer to the Parts list in this manual or our Parts Catalog and contact SONNY'S Order Entry Department for any replacement parts for this piece of equipment.

DEPARTMENT	PHONE NUMBERS	FAX NUMBERS
Toll Free Main Line	800-327-8723	800-495-4049
Equipment Department	954-467-1203	954-720-9292

Or you can email Sales at sales@sonnysdirect.com

Thank you for being a SONNY'S car wash equipment owner!

From all of us here at

