



# Wick-A-Way HUSH Upgrade



## Installation Instructions

Sonny's Enterprises, Inc.  
5605 Hiatus Road  
Tamarac, Florida 33321

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## SAFETY REQUIREMENTS

### **\*\*WARNING\*\***

1. All employees must be thoroughly trained in safe operation and standard maintenance practices. All employees must review this entire manual monthly.
2. Do not enter the wash tunnel when the equipment is operating. Death or dismemberment may occur.
3. Do not wear loose fitting clothing or jewelry around moving equipment. Do not allow any part of your body or other objects (including ladders, hoses or tools) to come in contact with moving equipment. Entanglement may result causing death or dismemberment.
4. Do not leave a ladder or any other items such as wash down hoses or tools in the wash tunnel while equipment is running. Vehicle damage and injury, including death, can occur.
5. Always exercise caution when walking (never run) through the wash tunnel as there may be slippery conditions. Be careful so you do not bump into or trip over equipment.
6. Only those employees specifically instructed and trained by the location management are permitted to enter the wash tunnel to perform inspections or maintenance. At least two qualified maintenance people must be present when performing equipment repairs or preventive maintenance.
7. Do not perform any maintenance or work on equipment unless you first perform Lock-Out Safety Precautions. All electrically powered equipment must have manually operated disconnects capable of being locked in the “OFF” position. Equipment that has been “locked out” for any reason must be restarted only by the person who performed the “lock out” operation.
8. When working on any equipment that is higher than your shoulders, always use a fiberglass ladder that is in good condition.
9. Do not attempt to repair or adjust any pressurized liquid or pneumatic part, hose, pipe or fitting while that equipment is in operation.
10. Electrical connections and repairs must be performed by a Licensed Electrician Only.
11. Emergency “STOP” buttons must be well marked and their location and proper use reviewed with all personnel. Any activated “STOP” button must be reset only by the person who activated it. Clear the wash tunnel of any people, ladders, hoses, tools and other loose items before restarting the equipment. An audible device must sound to warn people that the equipment is starting.

12. Do not operate any piece of equipment that requires safety covers with those covers removed or improperly installed. Do not operate any piece of equipment if any component of that piece is suspected to be defective or malfunctioning.
13. Store all cleaning and washing solutions and oils in a well-ventilated area. Clean up fluid spills immediately to prevent hazardous safety conditions. Be certain to follow all safety procedures on SDS Sheets for each chemical product used.
14. All hydraulic and electric systems in the wash tunnel equipped with a torque relief or overload should be checked and set at the minimum amount that will allow for proper functionality under normal washing conditions.
15. No unauthorized people should ever be permitted in the wash tunnel or near the equipment at any time.

\* \* \*

## !! CAUTION !!

When a piece of equipment must be in operation during inspection or maintenance, one qualified technician must stay at the power disconnect switch while another qualified technician performs the inspection or maintenance.

## INTRODUCTION

This Manual contains information that is vital to the successful installation, operation and maintenance of your Sonny's vehicle washing equipment.

Please read, and understand, the full contents of this manual before installation and operation of the equipment. Keep this booklet in a location where it may be used for ongoing reference.

Should you have any questions on the operation or servicing of this equipment please contact:

**TECHNICAL SERVICES DEPT.  
SONNY'S ENTERPRISES INC.  
5605 Hiatus Road  
TAMARAC, FLORIDA 33321**

**TELEPHONE:** 800-327-8723    **FAX:** 800-495-4049

THANK YOU FOR YOUR CONFIDENCE IN SONNY'S!



## Product Features

- Durable 2-ply material
- Interchangeable brush pads that Velcro to the hub
- Can be used for the Top Brush or the Wraparound Side Brushes
- Perfect material for buffing and drying
- Easy to maintain and works all day long
- Wicks residual microbeads of water away from the surface while quickly shedding moisture for consistent performance all day long

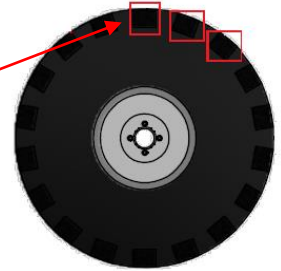
# INSTALLATION

## Attaching the Brushes

### Wick-A-Way HUSH

The hubs for the Top Brush and Side Wrap Brushes are delivered with the discs pre-attached on the hub. So, you just need to attach the individual Wick-A-Way Flags to each one of the discs.

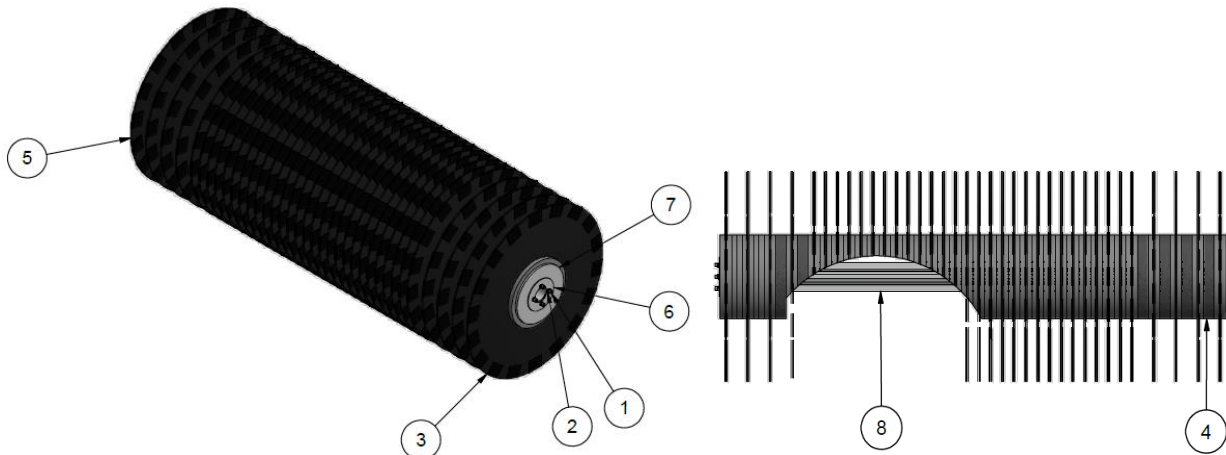
The brush flags are attached to each disc with Velcro patches.



### Top Brush

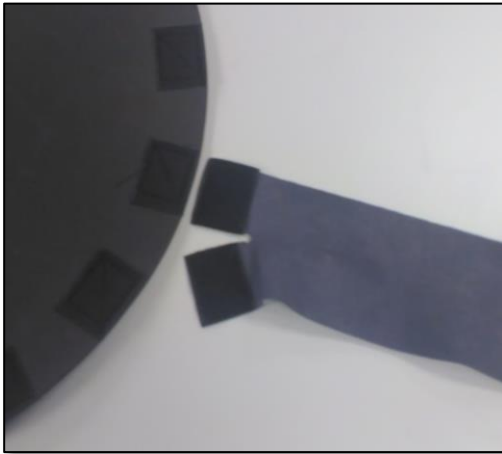
For your reference, here are the different parts that make up the Top Brush assembly:

PARTS LIST							
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL			
1	8	10000514	SOCKET CAP 3/8-16 X 1-1/4IN 37C125KCSS	Stainless Steel			
2	8	10010782	3/8in 18-8 SS High Collar Lock Washer	Stainless Steel			
3	33	10013263	Wick-a-Way Hush 29" Disk Assy				
4	6	10013287	Wick-a-Way Hush Double Buffer Pad	Foam			
5	1	10013289	Wick-a-Way Hush Glued Disc Assy				
6	2	20010258	Unihub, Aluminum Retaining Plate	10011172 - Aluminum Plate 48" X 120" X 1/4" 5052			
7	2	20010371	Top Brush, Ninja Shaft End Plate	10010128 - 3/8 X 10 X 144 FLAT BAR 6061 T6			
8	1	20010382	Unihub, 4Key-Out 74in Machined 2.25 ID	10010204 - Hub, Ninja Extrusion X 74" 6061 T6			

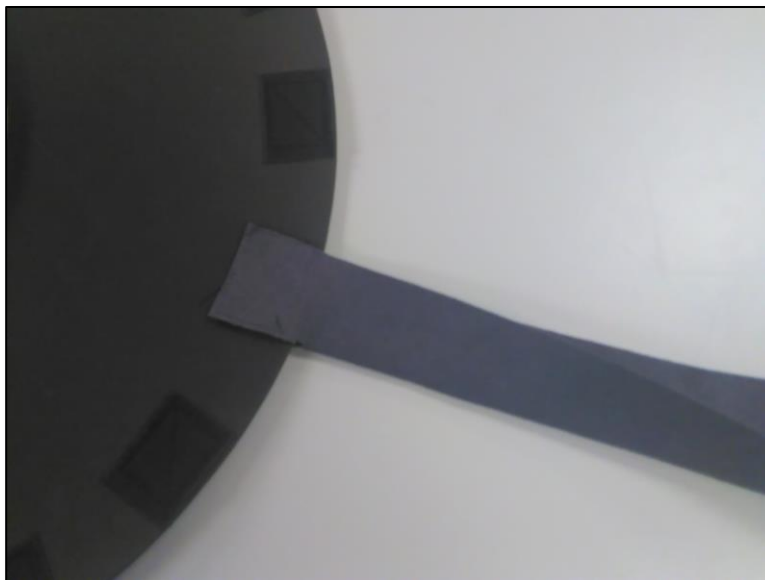


**Note:**

- The Velcro patches on the disc are referred to as the **Hook Side**.
  - The Velcro patches on the brush flags are referred to as the **Loops Side**.
1. Starting with the first disc on the hub assembly, attach a brush flag to each Velcro patch on the dish.

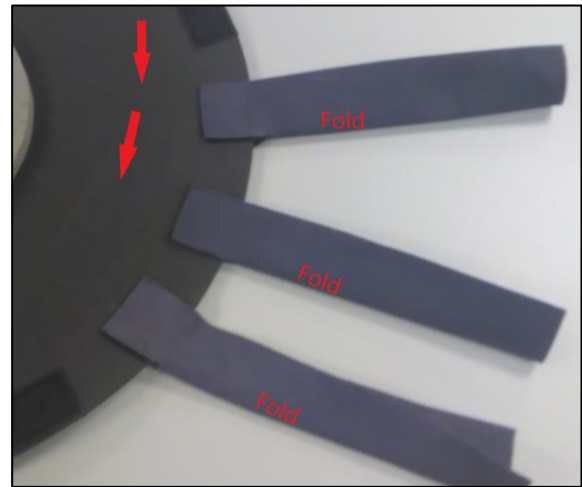
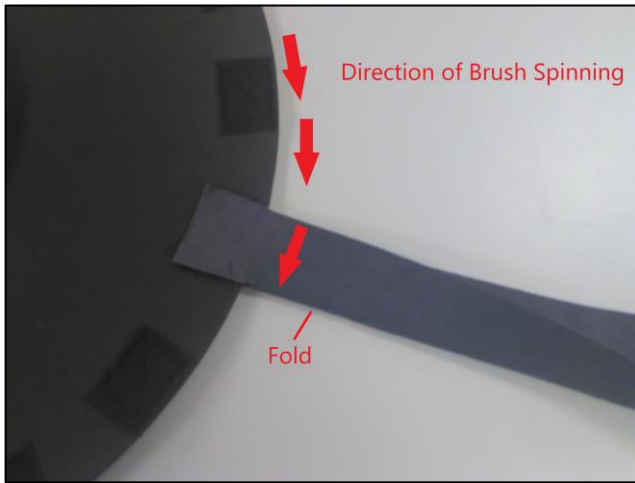


2. Fold the brush flag and attach one square of Velcro loops on the brush to each square of Velcro hooks on both sides of the disk.

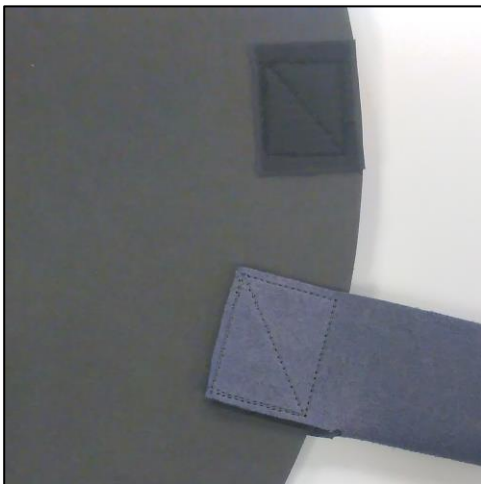




**Note:** When you fold the brush to attach it, it is **very important that the fold in the brush is facing the same direction as the rotation of the brush**. If the folded end is not facing in the same direction as the brush, and the open end of the brush is, a scooping effect could cause the brush to begin retaining water, which will compromise performance of the drying material.



It is also very important that each Velcro patch on the brush is secured **squarely** against the Velcro patch on the disc. If the Velcro patch is not secured squarely, the exposed Velcro hooks could begin to catch the brush material, which can cause tangling or knotting of the brushes.



Do 



Don't 

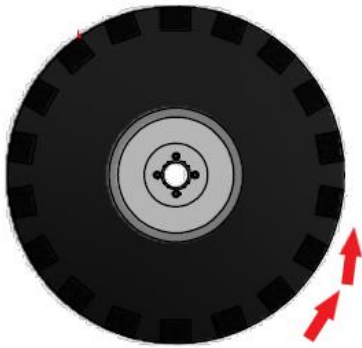
### Side Wrap Brushes

The brushes for the two Side Wraps are also attached via Velcro patches, in the same way as the Top Brush.

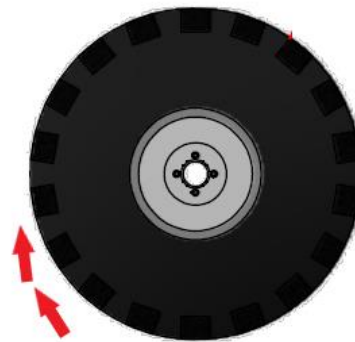
**Remember:** the folds in the brushes for the Side Wraps must face in the same direction as the rotation of the brushes.



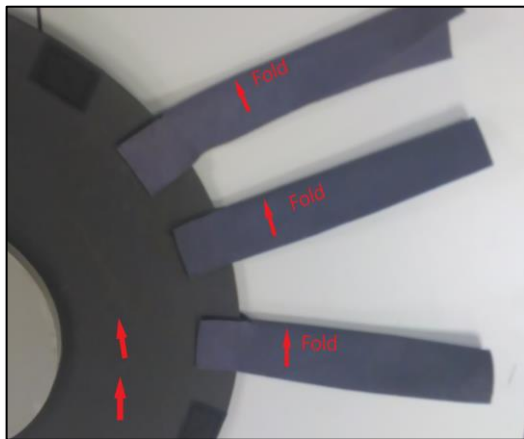
Driver Side Brush  
Brush



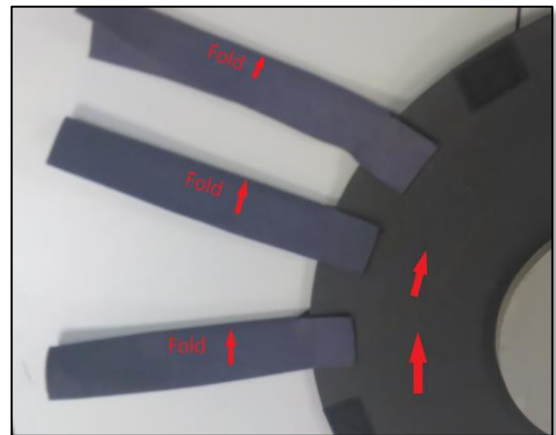
Passenger Side



Vehicle



Vehicle



## OPERATION

The brushes on the unit need to spin anytime the conveyor is in operation.

### Top Brush Operation

Brush rotation starts and stops with a signal from the Customer supplied Controller system to the Customer's hydraulic power pack which drives the hydraulic motors on the brushes.

**BE CERTAIN THAT THE BRUSHES ROTATE AGAINST VEHICLE TRAVEL**

With the top brush rotating (against the direction of vehicle travel and at proper RPM) the vehicle's front hood contacts the brush and brush travels across the vehicle maintaining steady contact with the hood, roof and trunk of the vehicle.

**NOTE:** Proper cloth penetration on flat vehicle surfaces should be **3 to 4 inches**. As the brush rounds corners, such as on windshields, the cloth penetration may be greater, but not deeper than half the distance to the aluminum brush core.

### Retract Operation Top Brush

When there is no vehicle approaching the brush the tunnel controller will retract the brush from the wash position, toward the ceiling. This can also be set up in the controller to retract for the beds of trucks to avoid problems.

It is recommended that the brush be retracted for:

1. Sun visors mounted over the windshield.
2. Any racks mounted on the roof.
3. Rear wipers on Acura Integras and Mazda RX-7s, unless they are taped down.
4. Open bed pickup trucks.

### Wrap Around Washer Operation

With the wrap brushes rotating (**with the direction of vehicle travel** and at proper RPM) the two brushes should come into the vehicle, just as the mirrors are approaching (**Do not program the brushes to come in at the front of the vehicle**). The brushes move evenly down the sides of the vehicle, each drying one half.

As the rear of the vehicle approaches the brushes, they individually gear themselves around the rear fenders so that each brush dries one half of the vehicle rear vertical surfaces. As soon as the wraps meet in the middle of the vehicle they need to be retracted. The brushes should be set with zero look ahead or lookback feature.

**NOTE:** Proper cloth penetration on flat vehicle surfaces should be **3 to 4 inches**. As the wraparounds go around corners, such as fenders, cloth penetration may be greater, but not deeper than half the distance to the aluminum brush core.

## Wrap Retract Operation

When selected by the Operator's remote Programmer push button station, the wraparound brushes will retract from the center of the wash tunnel toward the tunnel outer walls. THIS CAN BE DONE INDIVIDUALLY IF ONE SOLENOID IS USED FOR EACH ARM.

When the push button is pressed, it completes an electrical circuit through the equipment Programmer to pass single phase power (at the preset pulse count) of the Programmer to the retract air solenoid valve. The air solenoid valve then opens and allows compressed air to pass through to the rod end port of each air cylinder, causing the brush hangers to retract.

# MAINTENANCE

## Cleaning the Wick-A-Way Brushes

Sonny's recommends cleaning your brush pads at least **monthly**. Wick-A-Way HUSH brush pads are attached to holders on the hub using Velcro, so they can be easily removed for cleaning in a washer/dryer.

You can also keep a second set of flags for each brush, so you can quickly attach a second set of clean brushes while the first set is being laundered.

When re-attaching brush pads, remember:

1. Attach the brush pads with the folds facing the same direction as the rotation of the brush.
2. Attach the brush pads with the Velcro patches fully square.

## CUSTOMER SERVICE

Please contact Sonny's Equipment Department for installation and/or operational questions regarding this piece of equipment.

Please refer to the Parts Catalog and contact Sonny's Customer Service Order Entry Department for any replacement parts for this piece of equipment.

You can also visit the web at [www.SonnysDirect.com](http://www.SonnysDirect.com).

**DEPARTMENT**

Toll Free Main Line  
Equipment Department

**PHONE NUMBERS**

800-327-8723  
954-720-4100

**FAX NUMBERS**

800-495-4049  
954-720-9292

Or you can email Equipment Sales at [sales@SonnysDirect.com](mailto:sales@SonnysDirect.com)

*Thank you for being a Sonny's car wash equipment owner!*

*From all of us here at*



## WARRANTY

### SONNY'S ENTERPRISES, INC. FACTORY LIMITED LIFETIME WARRANTY

Equipment manufactured by SONNY'S ENTERPRISES, INC. is warranted to be free from defect in material and workmanship. Welded metal framework and other non-moving, non-wearable fabricated metal components manufactured by Sonny's are warranted for the life of the equipment to the original purchaser. Fabricated metal wearable surface and moving components manufactured by Sonny's are warranted for a period of one (1) year to the original purchaser of the equipment.

All components assembled to Sonny's equipment that are manufactured by others are warranted by the appropriate manufacturer and subject to that manufacturer's limited warranty. Contact Sonny's for the specific information on other component manufacturer's warranty terms. All new cloth shipped with new Sonny's equipment is warranted for a period of one (1) year or 80,000, whichever occurs first.

This warranty is not assignable or transferable. The warranty period begins the first day following installation or 30 days from the original invoice date, whichever occurs first. The Seller's liability shall be limited to repair or replacement of materials found to be defective within the warranty period. In the event of repair or replacement this limited warranty is noncumulative. The Purchaser must supply the Seller with immediate written notice when any defects are found. The Seller shall have the option of requiring the return of defective material to establish the Purchaser's claim. Neither labor nor transportation charges are included in this warranty. Transportation damage claims are to be submitted to the carrier of the damaged materials.

This warranty is based upon the Purchaser's reasonable care and maintenance of the warranted equipment. It does not apply to any equipment which has been subject to misuse, including neglect, accident or exposure to harsh chemicals or chemicals that react violently with: water, organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), oxidizing agents (e.g. peroxides), and metals (e.g. aluminum). Chemicals corrosive to: aluminum alloys, carbon steel, and other metals. Nor does it apply to any equipment which has been repaired or altered by anyone not so authorized by Sonny's. Further, the equipment must be properly installed with proper accuracy of all specified plumbing, electrical, and mechanical requirements. This warranty does not apply to normal wear and tear or routine maintenance components.

EXCEPT AS EXPRESSLY STATED HEREIN, SONNY'S SHALL NOT BE LIABLE FOR DAMAGES OF ANY KIND IN CONNECTION WITH THE PURCHASE, MAINTENANCE, OR USE OF THIS EQUIPMENT INCLUDING LOSS OF PROFITS AND ALL CLAIMS FOR CONSEQUENTIAL DAMAGES. THE LIMITED WARRANTY EXPRESSED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. SONNY'S NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION HEREWITH.