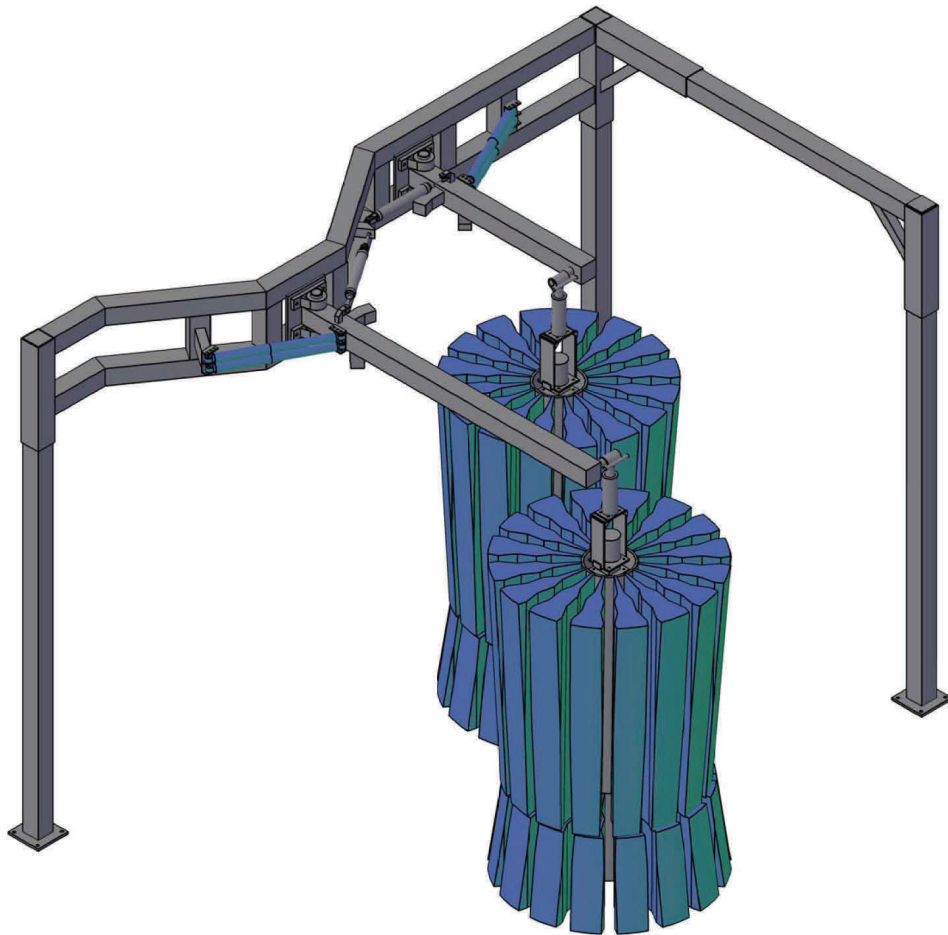


FREE STANDING WRAP AROUND, Model WA1-1566

The **AVW FREE STANDING WRAP AROUND** operate on gravity.
No complicated controls because of the design it can self adjust to most
Conveyor speed requirements. Simple design and low maintenance

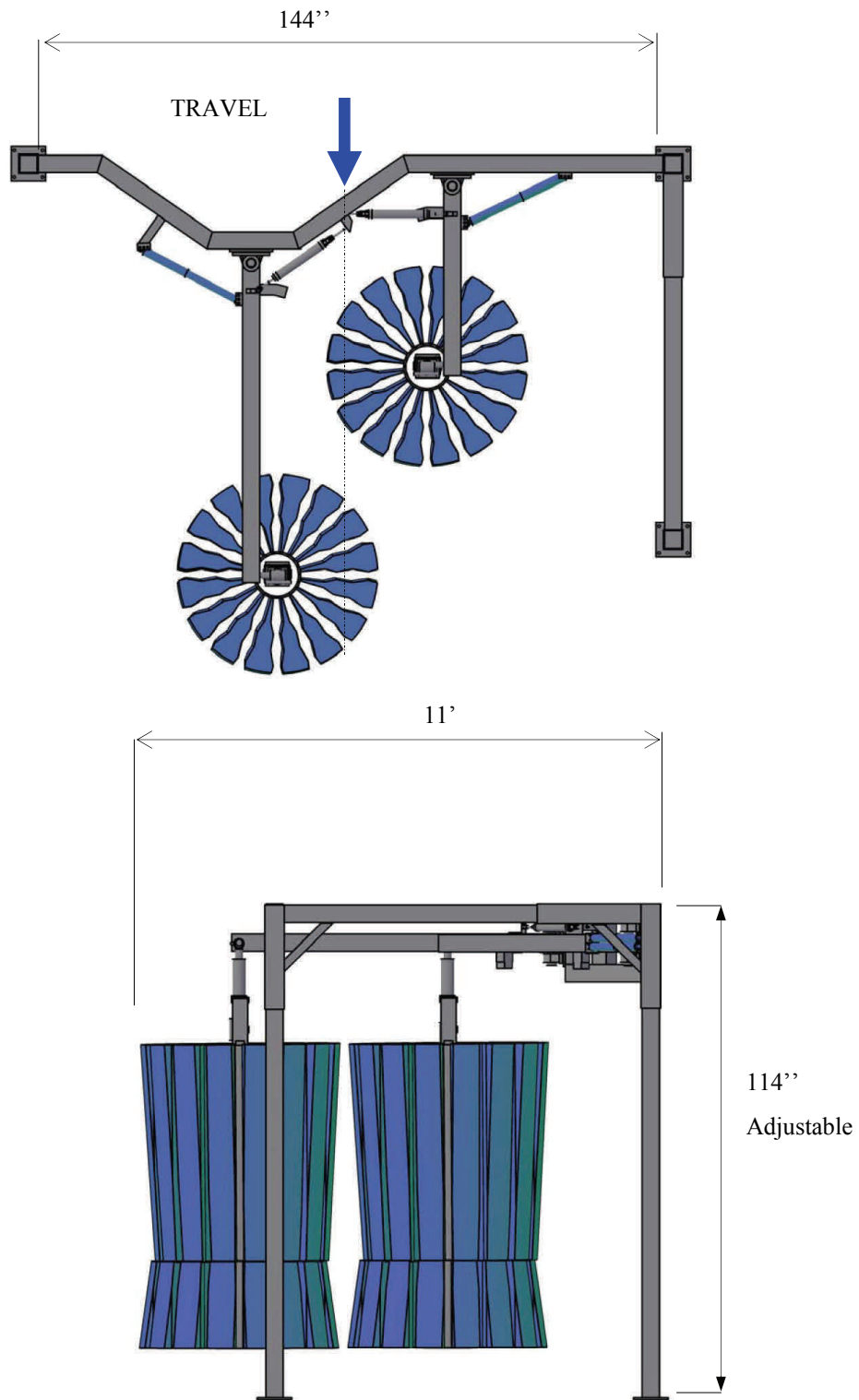
*Hydraulic Motors:
For Wrap Around:
Displacement 11.9cu.in./rev., 60 RPM)
Water:
1/2" NPT Outlet
Equipment Center Line
28" from inside Conveyor Rail*



A.V.W. Equipment Co. Inc. 105 South 9th Avenue, Maywood, IL, 60153
Phone: 708-343-7738 Fax: 708-343-9065 email: info@avwequipment.com Website: www.avwequipment.com

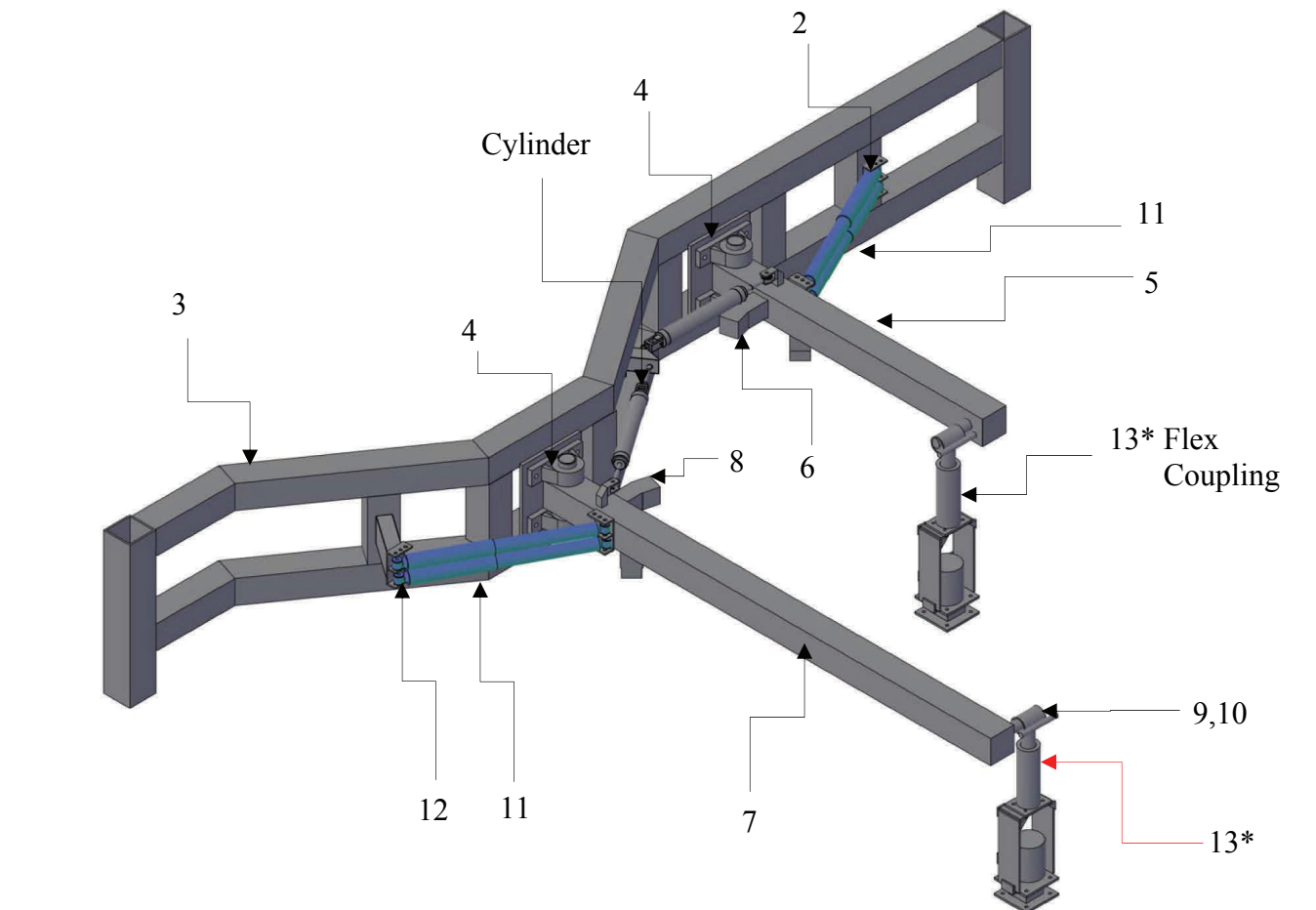
FREE STANDING WRAP AROUND, Model WA1-1566

SPACE REQUIREMENTS



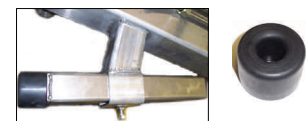
FREE STANDING WRAP AROUND, Model WA1-1566

WRAP AROUND-PARTS



4. Pillow
Blocks 2''

6. Rubber Stop Assembly



HYDRAULIC HOSES w/Male and Female
Crimps and Fittings for Wrap Arms



FREE STANDING WRAP AROUND, Model WA1-1566

WRAP AROUND-PARTS

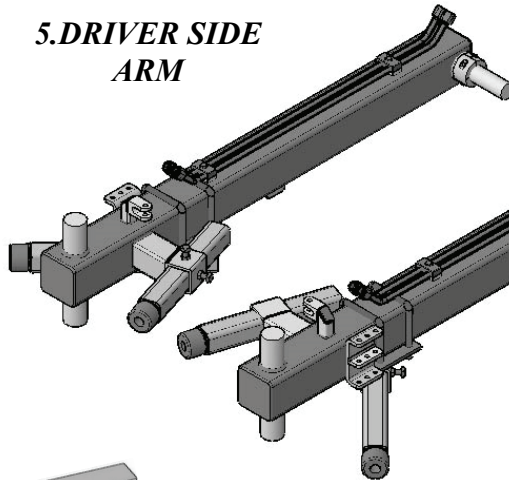


1.LEG

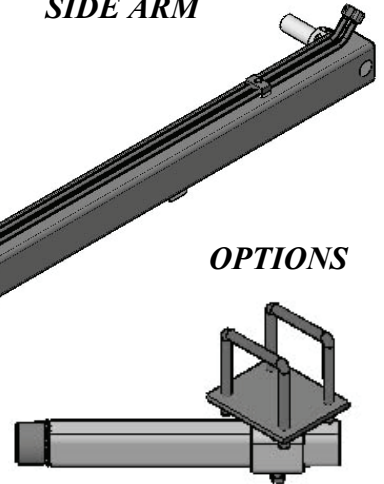


PVDE NOZZLE 1/4" 08E40

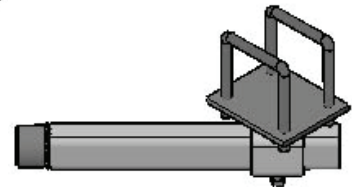
5.DRIVER SIDE ARM



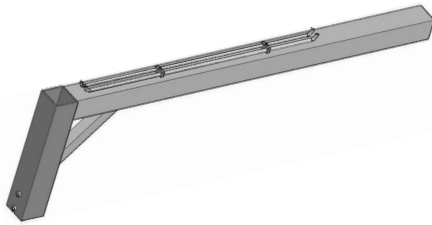
7. PASSENGER SIDE ARM



OPTIONS



Adjustable Lower Rubber Stop Arms (on Wrap Arms)



FASTENING BAR



HYDRAULIC MOTOR

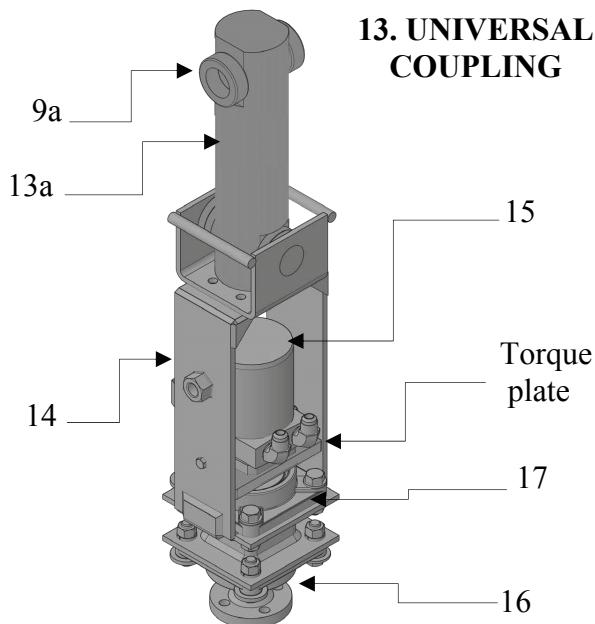


BRUSH SHAFT

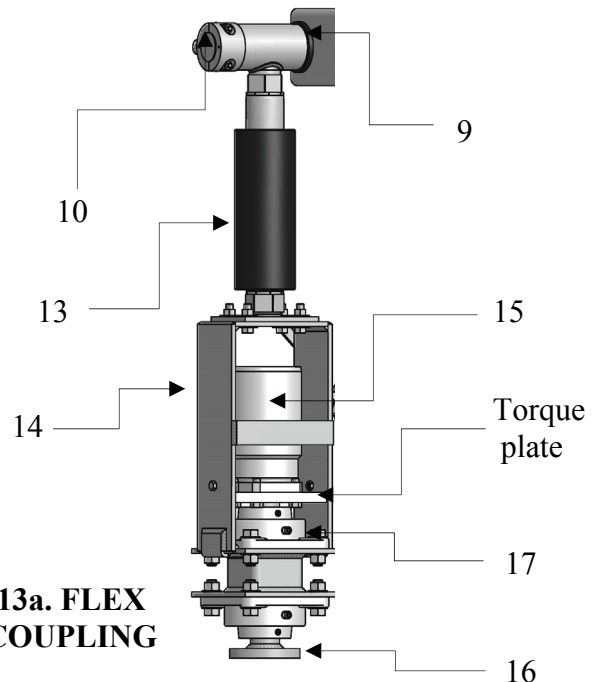


Torque plate

13. UNIVERSAL COUPLING



13a. FLEX COUPLING



FREE STANDING WRAP AROUND, Model WA1-1566

ITEM	Description	PART No.	QTY.
1	FASTENING BAR	WA1CB1AA	
2	LEGS	WC3A	3
3	Z-CROSSBAR	WA1C-1566	1
-	Square Head Screw ½ ”-13x1½”lg. (for sleeves)	SQHS1213150	8
-	Hex Head Cap Screw 3/8”-16x2”lg. (fully threaded, for pillow block adj.	HHCS3816200F	8
4	PILLOW BLOCK 2”	WA1WB	4
-	Screw Fastener Set ½ ” (for pillow block):	-	8
-	Hex Head Cap Screw ½”-13x2¼”lg.	HHCS1213225	8
-	Flat Washer ½”I.D.x1¼”O.D.	FW12125	16
-	Split Lock Washer ½”	SLW1/2	8
-	Hex Nut ½”-13	HN1213	8
-	DRIVER SIDE ARM ASSEMBLY:	WA1D	1
5	Driver Side Arm 48”lg.	WA1DA	1
6	Rubber Stop Arm Assembly:	WA1DB	2
	Stop Arm	WA1DBA	2
	Rubber Bumper	WA1DBB	2
	Screw Fastener Set 3/8” (for bumper):	-	2
	Hex Head Cap Screw 3/8”-16x1¼”lg.	HHCS3816125	2
	Flat Washer 3/8”I.D.x7/8”O.D.	FW38087	2
	Hex Nut 3/8”-16	HN3816	2
6.1	ADJUSTABLE LOWER RUBBER STOP ARM (OPTION)	WA3DB-2639	1
	Square head screw 3/8”-16x ¾ ”lg. (for stop adjustment)	SQHS3816075	4
-	PASSENGER SIDE ARM ASSEMBLY:	WA1E	1
7	Driver Side Arm 76”lg.	WA1EA	1
8	Rubber Stop Arm Assembly:	WA1DB	2
	Stop Arm	WA1DBA	2
	Rubber Bumper	WA1DBB	2
	Screw Fastener Set 3/8” (for bumper):	-	2
	Hex Head Cap Screw 3/8”-16x1¼”lg.	HHCS3816125	2
	Flat Washer 3/8”I.D.x7/8”O.D.	FW38087	2
	Hex Nut 3/8”-16	HN3816	2
8.1	ADJUSTABLE LOWER RUBBER STOP ARM (OPTION)	WA3DB-2639	1
	Square Head Screw 3/8”-16x ¾ ”lg. (for stop adjustment)	SQHS3816075	4
9	PLASTIC SPACER	WA1I	2
10	2-PIECE COLLAR 1½”	WA2J-2P	2
11	SHOCK ABSORBER ASSEMBLY:	WA1FA	2
-	Shock Absorber Model MN32238	WA1FAA	2
-	UHMW bushing 3/8”I.D.	WA1FA1	4
12	PIN ⅜”x6”lg.	WA1FB	4
-	COLLAR 3/8”	WA1FC	4
13	UNIVERSAL COUPLING	WA2H	2
	Welded Coupling	WA2H-0210	2
	UHMW Bushing 1½”I.D.	WA1H2	2
	Mounting Channel with Collars 1½”I.D. x 2 ½”O.D. x 7/8” width	WA2HC	2
	Shaft 1½” x 6¼”LG	WA2HD	2



FREE STANDING WRAP AROUND, Model WA1-1566

[illegible]

FREE STANDING WRAP AROUND, Model WA1



Figure 2

In order to get a higher application pressure at either driver side or passenger side of the machine, move the top bearings towards the center of the tunnel (toward the vehicle), or away from the center to achieve lower application pressure.

note: Application pressure is the pressure of the brush applied onto the car.

Fine tuning adjustment for getting better performance of AVW Wraps

- The RPM of the wrap hydraulic motor should be set at approximately 60 RPM to allow brush to flare out fully.
- Set hydraulic relief pressure so that brush can start to stall, when contacting the front end of the widest vehicle and then increase $\frac{1}{2}$ turn. The brush should never be able to stall on a front end of vehicle.
- Use a lot of soap and lubrication on the cloth.
- Do not use excessively worn cloth.
- Replace shock absorbers approximately every 6 months.
- Travel on back of car should not exceed $\frac{3}{4}$ of back end of vehicle.
- Keep initial adjustments light as wraps will tend to loosen up as they break in and cloth absorbs more soap and water.
- Start adjusting with bearings straight up and down, usually no more than $\frac{1}{4}$ " of bearing travel will be required
- Set wraps for average conveyor speed, if conveyor speed increases or decreases more than 25 cars per hour up or down (50 cars per hour range) additional adjustment may be required.

Flex coupler fails or twists

Possible Causes & Troubleshooting:

- Torque settings on hydraulics is set too high.
- Flex coupler should be replaced approx. every 200,000 cars.



FREE STANDING WRAP AROUND, Model WA1

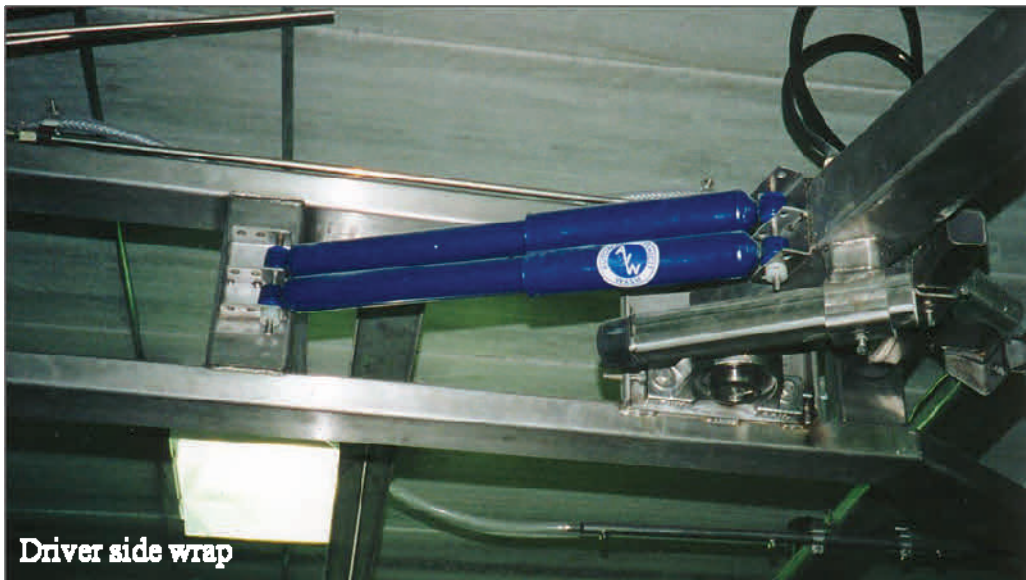


Figure 2

Brush climb up on back ends of the car

Possible Causes & Troubleshooting:

- The car is rolling ahead because of uneven floor and stopping with wrap on rear of car.
- Torque (Pressure) is set too high and brush will not stall as it climbs.
- Brush speed may be too fast. set at 60 RPM
- Brush may be set to travel more than 3/4 of backend of car / more swing after break- in period.
- Keep pivot point low as possible try not to mount over tire brushes or where high clearance is needed off the floor.
- Car may be stopping or rolling because of a treadle on floor or pocket in floor
- If the friction is too high-apply more soap or lubrication.
- The faster the brush RPM, the more travel on the back of the vehicle-adjust RPM.

Figure 3



Mirror is damaged or broken

Possible Causes & Troubleshooting:

- Lower portion of the brush is set to high coming into contact with mirror-stay below 33" from the top of the lower fuller section of the brush.
- Arm is restricted not to swing out far enough to clear the vehicle-adjust the bumper so that brush can clear the vehicle.
- Too much tilt on the bearing causing excessive side pressure –adjust the tilt on the bearing to reduce the pressure.
- Weak shocks absorbers-replace shock absorbers.
- Brush speed incorrect-set the speed.

