

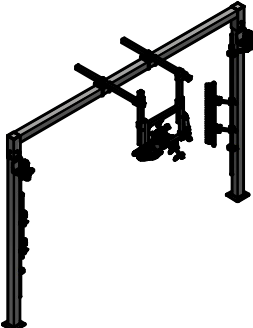
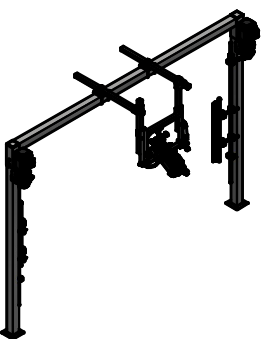
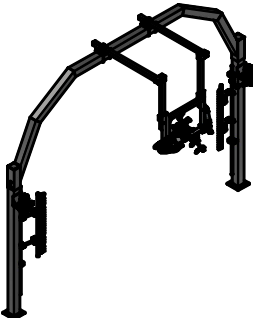
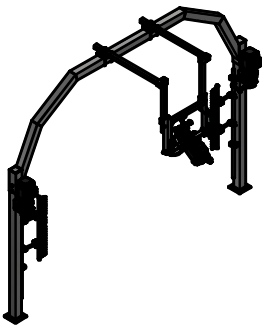
High Pressure Wash Manual

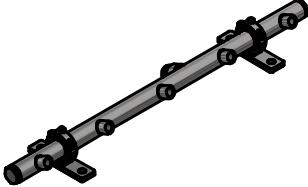
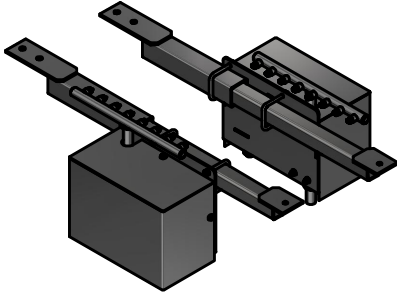
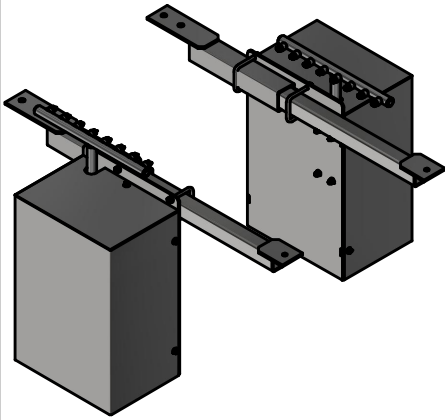
HP Manual



Owner's Manual

This document is confidential and proprietary to AVW EQUIPMENT and cannot be used, disclosed, or duplicated without prior written consent. Consent, prices and availability are subject to change without notice.

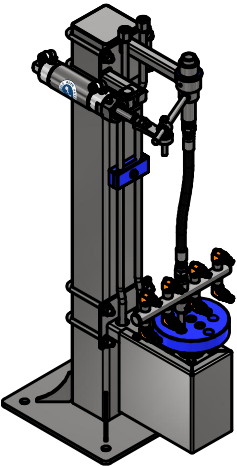
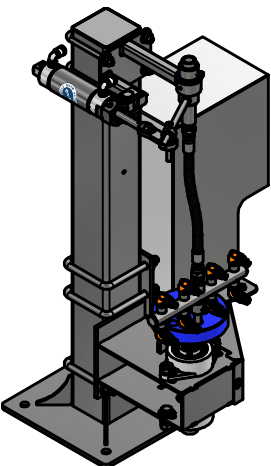
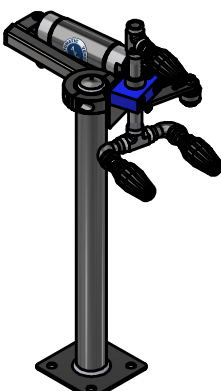
CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	MG-RT1-2276	Automated Prepping System Robot Assembly, Driver and Passenger Set, Hydraulic Drive	A	5, 11-21
	MG-RT1-EL-2276	Automated Prepping System Robot Assembly, Driver and Passenger Set, Electric Drive	B	5, 11-21
	OT2-MG-RT1-2276	Octasquared Automated Prepping System Robot Assembly, Driver and Passenger Set, Hydraulic Drive	C	6, 11-21
	OT2-MG-RT1-EL-2276	Octasquared Automated Prepping System Robot Assembly, Driver and Passenger Set, Electric Drive	D	6, 11-21

CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	BB1A	Stationary Bumper Blaster, Floor Mounted Manifold	E	7, 11, 12, 22, 23
	BB1259B	Oscillating Bumper Blaster, Front and Rear Set, Hydraulic Drive	F	8, 11, 12, 24, 25
	BB1259B-EL	Oscillating Bumper Blaster, Front and Rear Set, Electric Drive	G	9, 11, 12, 24, 25

COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

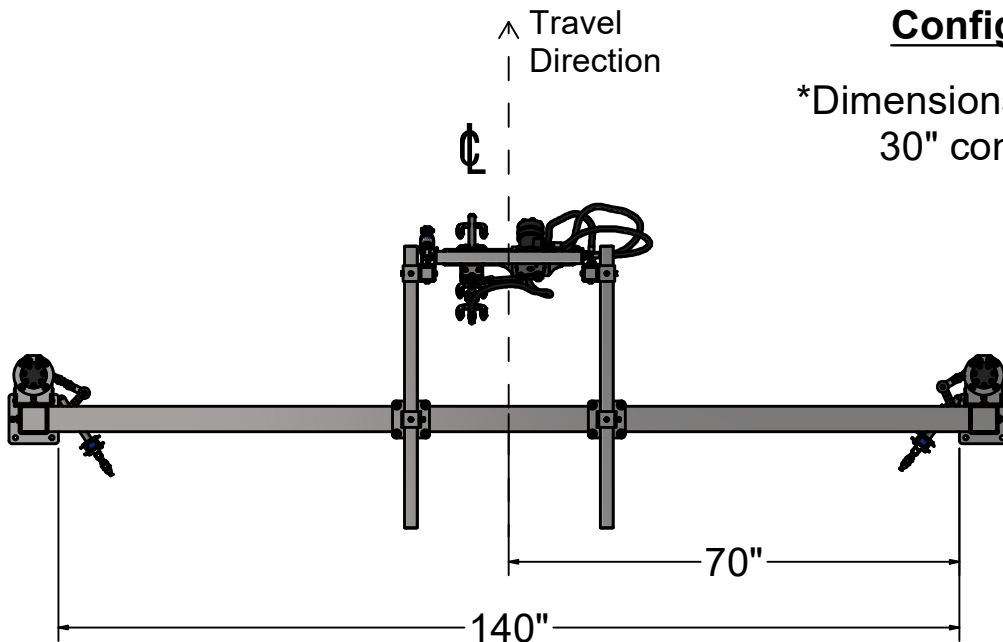
CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	WS1	Wheel Blaster Set, w/ Air Control Panel, 4 Arm Rotor (Hexagon Shroud)	H	10-12, 26-28
	WS1-0424	Wheel Blaster Set, High Impact w/ Air Control Panel, 6 Arm Rotors, Stabilizer Nozzles, and Carbide Swivels (Hexagon Shroud)	I	10-12, 26-28
	WS1-3179	Wheel Blaster Set, Fixed, 4 Arm Rotor (Hexagon Shroud)	J	10-12, 26-28
	WS1-3328	Wheel Blaster Set, w/ Air Control Panel, 6 Arm Rotors (Round Shroud)	K	10-12, 26-28
	WS1-4628	Wheel Blaster Set, w/ Air Control Panel, 6 Arm Rotors, Swivels, Nozzles (Hexagon Shroud)	L	10-12, 26-28

COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

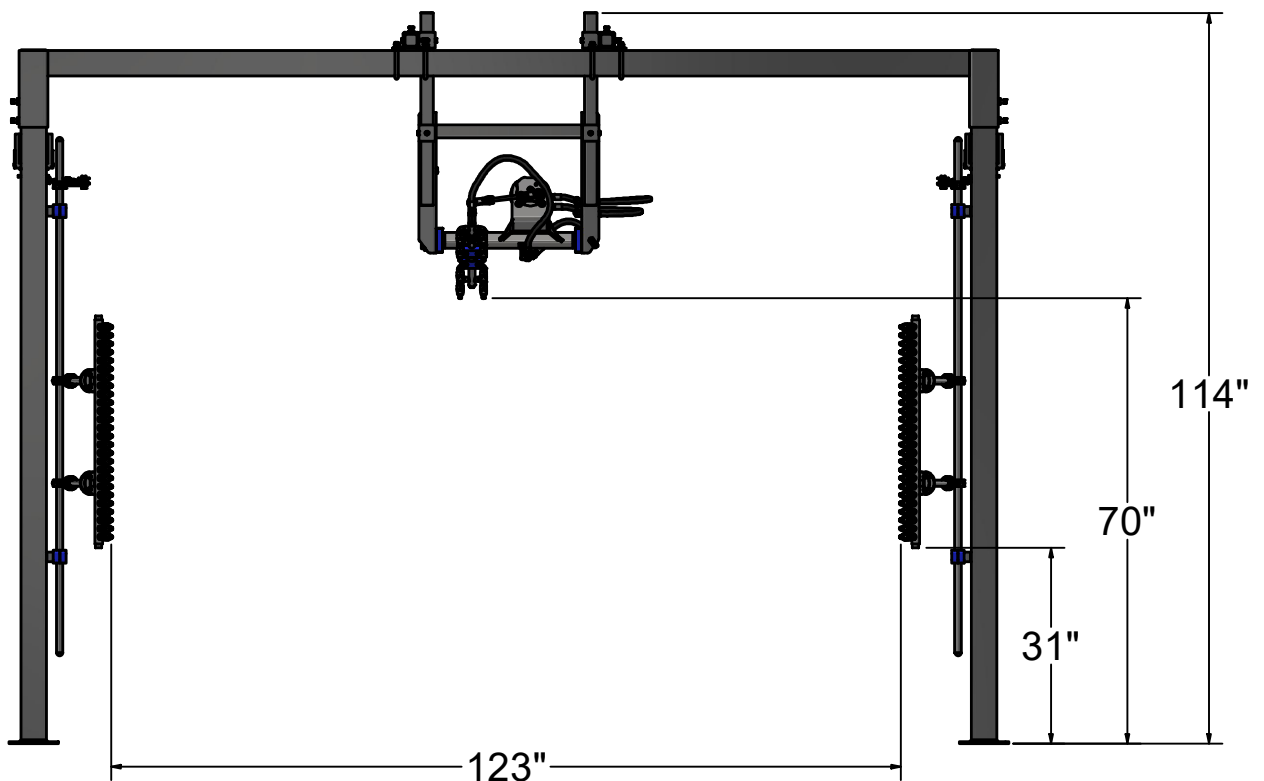
CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	SB1	Pivoting Swirling Side Blaster Set, Hydraulic Drive	M	12, 14, 15, 32-34, 38-40
	SB1-EL	Pivoting Swirling Side Blaster Set, Electric Drive	N	12, 14, 15, 35-37, 38-40
	PWB1	Pivoting Wheel Blaster Set	O	13, 14, 15, 41-43

Configurations: A, B

*Dimensions are based off a 30" conveyor width



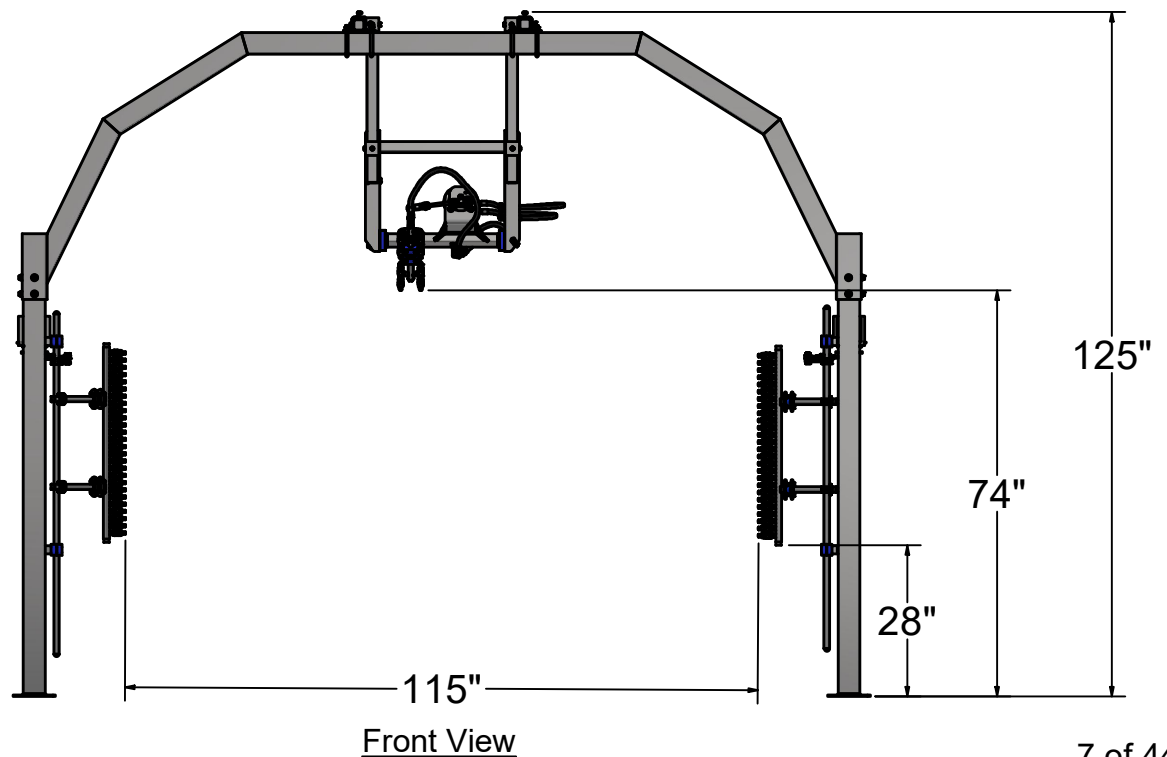
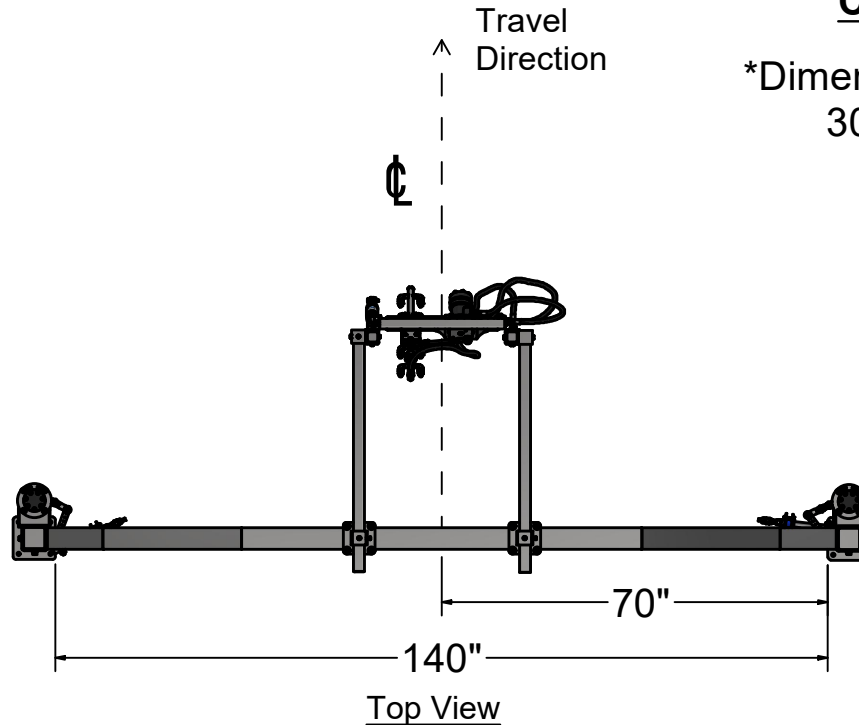
Top View



Front View

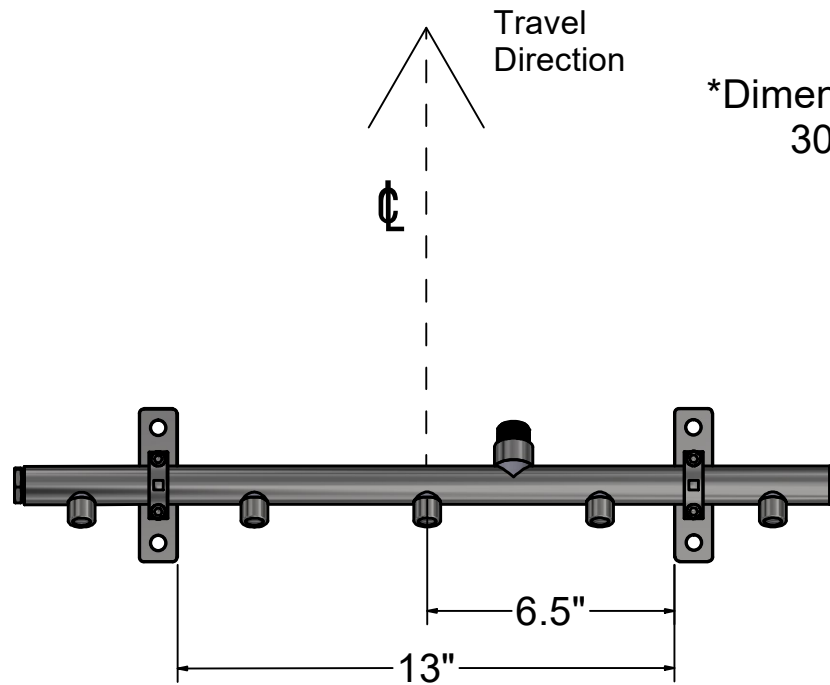
Configurations: C, D

*Dimensions are based off a 30" conveyor width

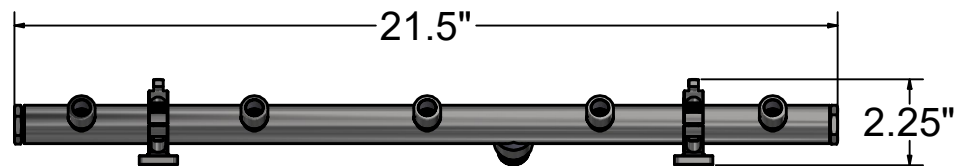


Configuration: E

*Dimensions are based off a 30" conveyor width



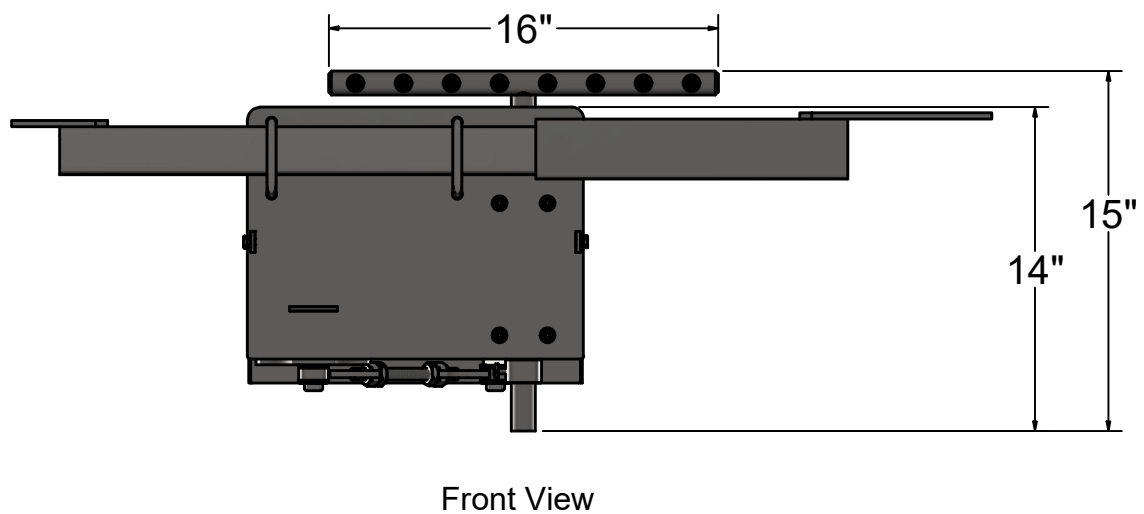
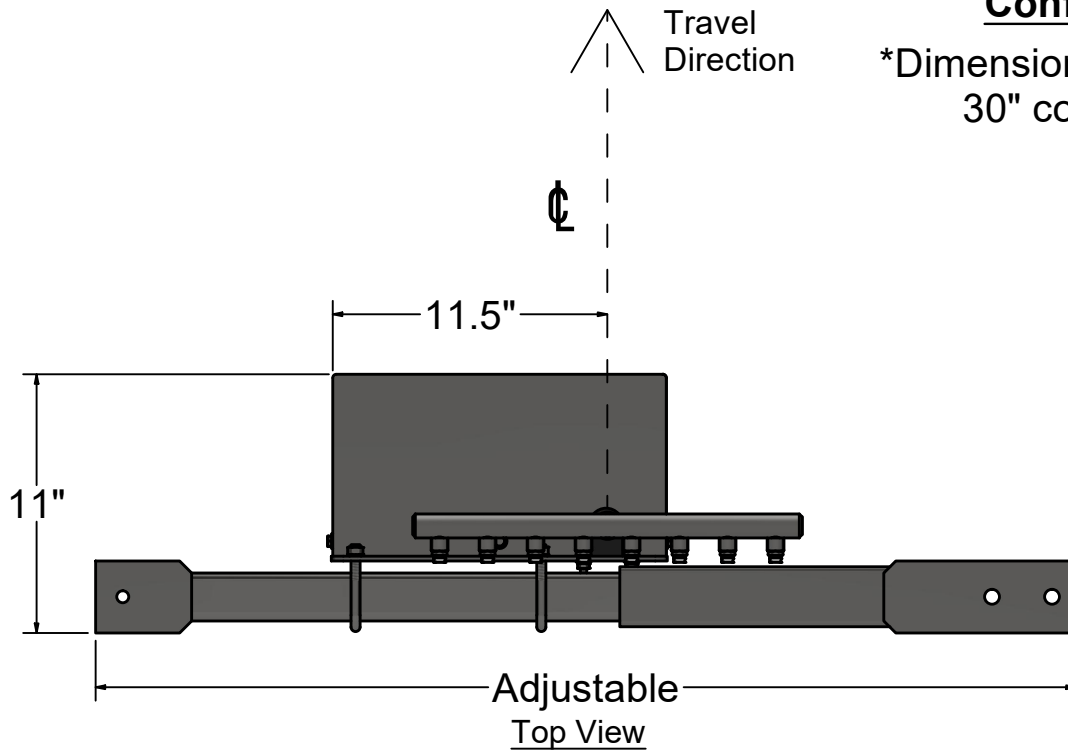
Top View

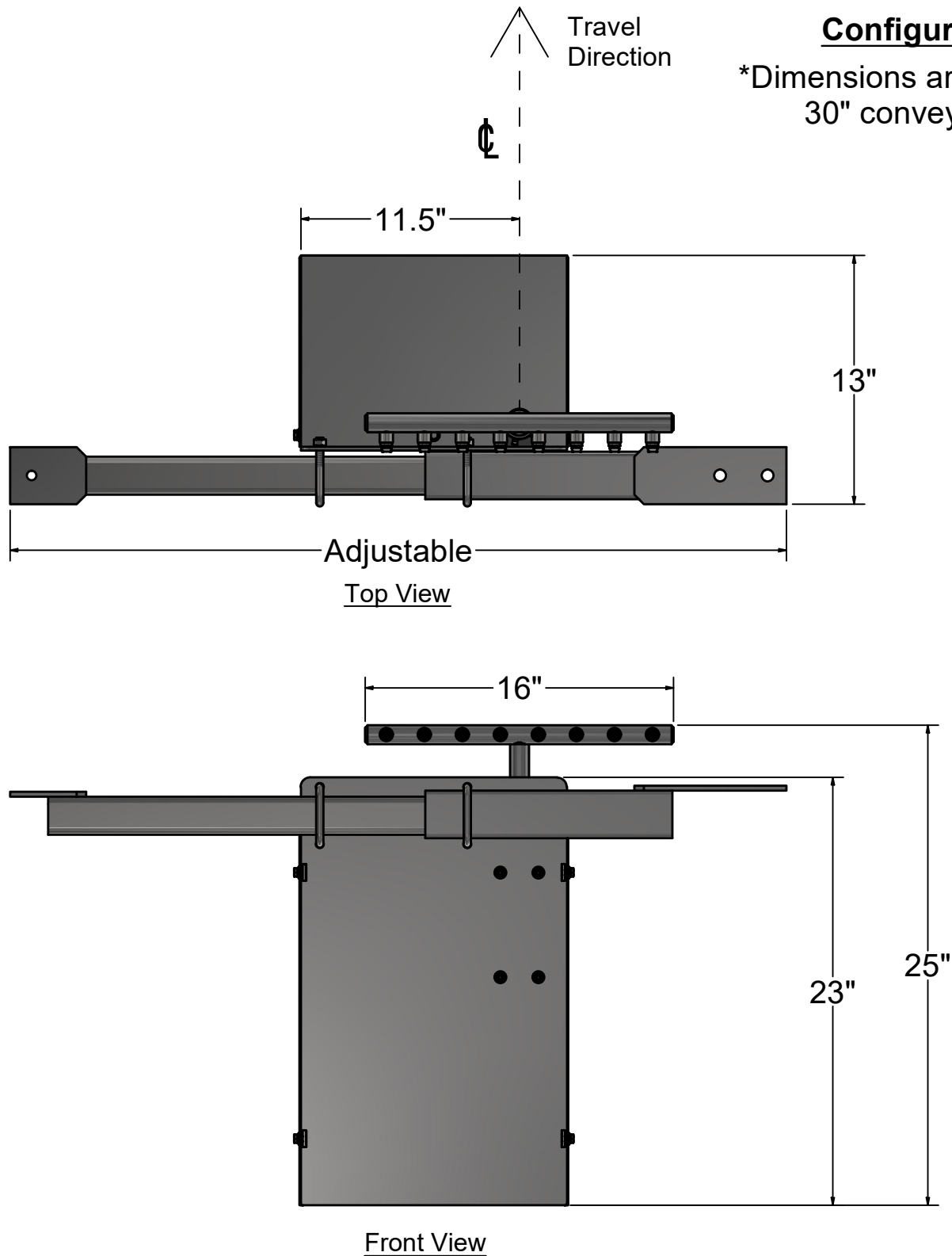


Front View

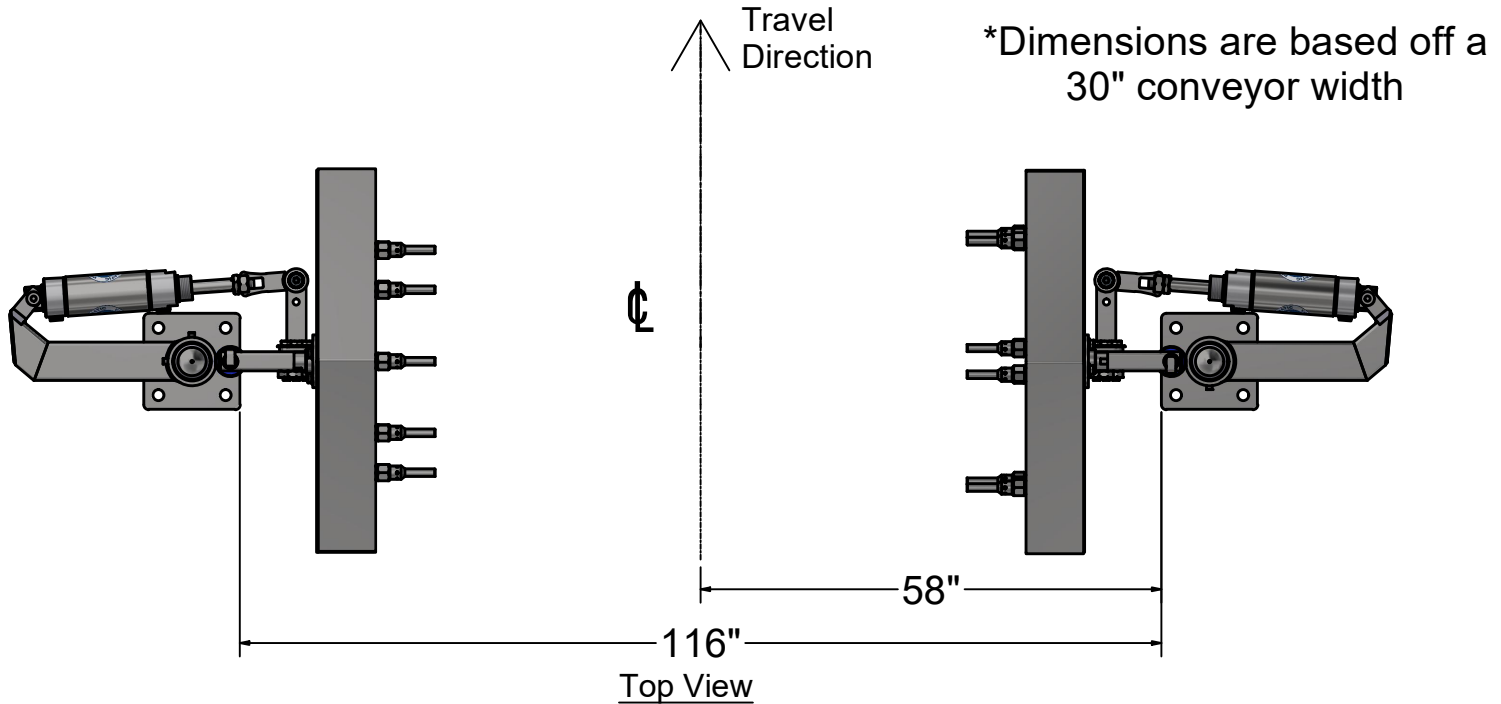
Configuration: F

*Dimensions are based off a 30" conveyor width



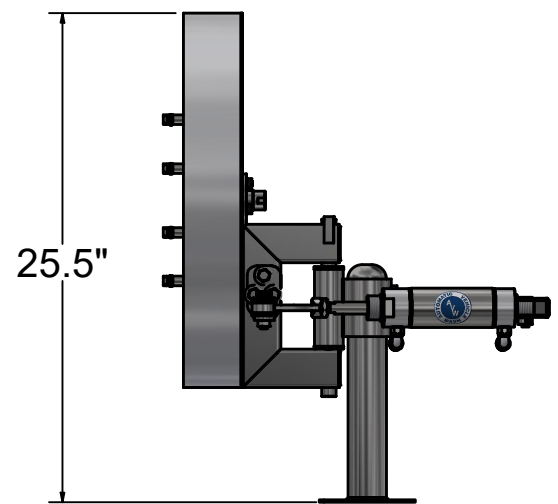
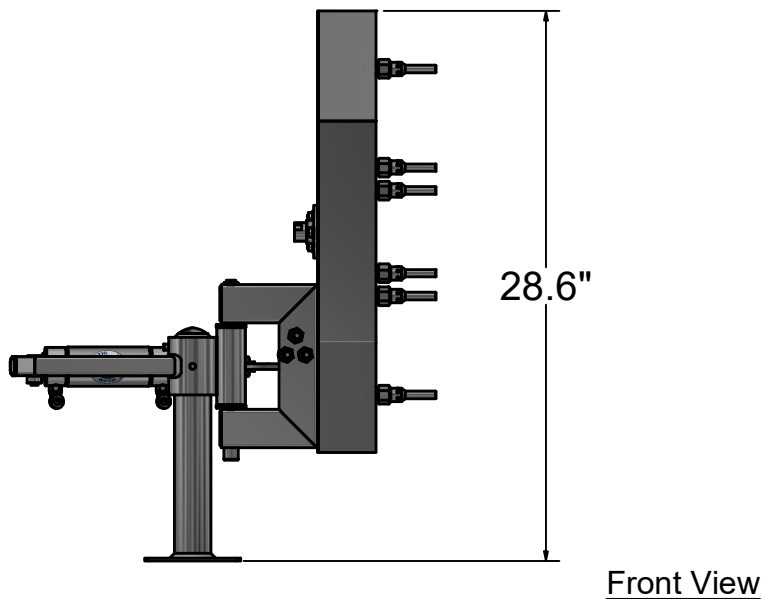


Configurations: H, I, J, K, L

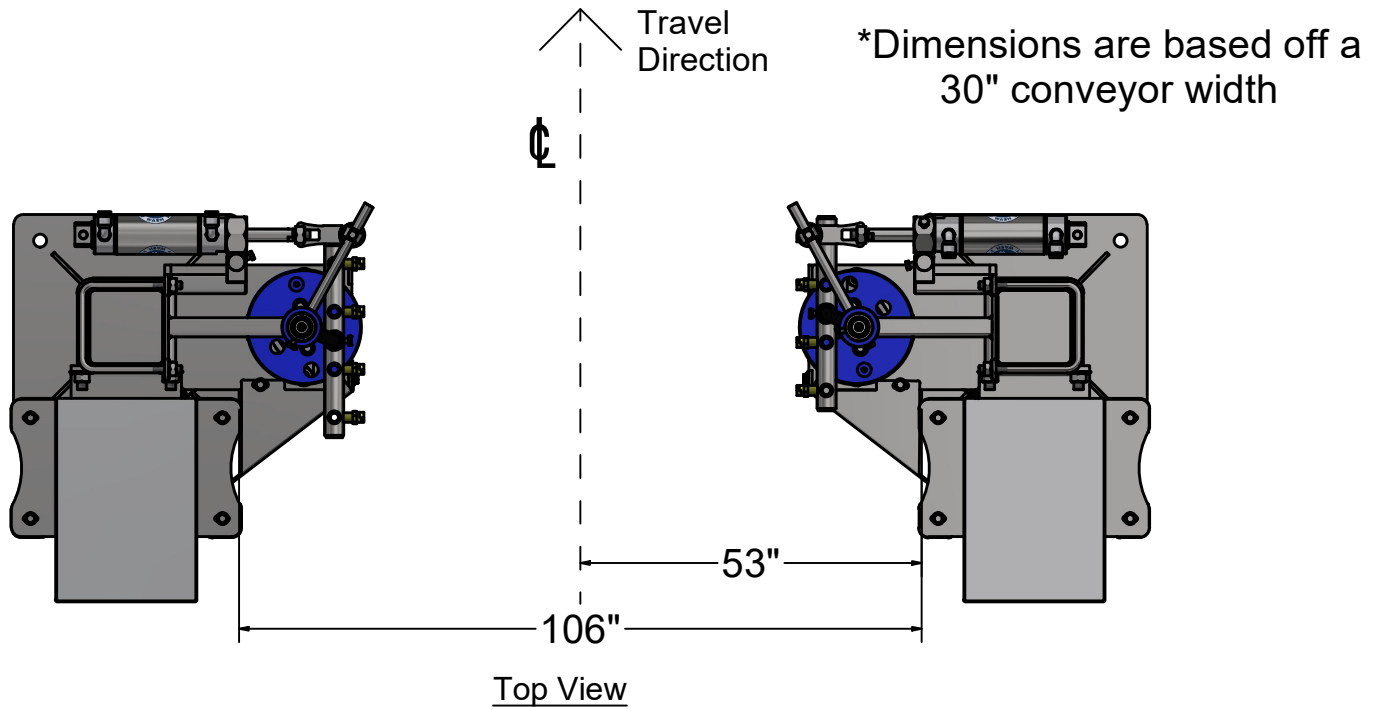


CONFIGURATION: H, I, J, L

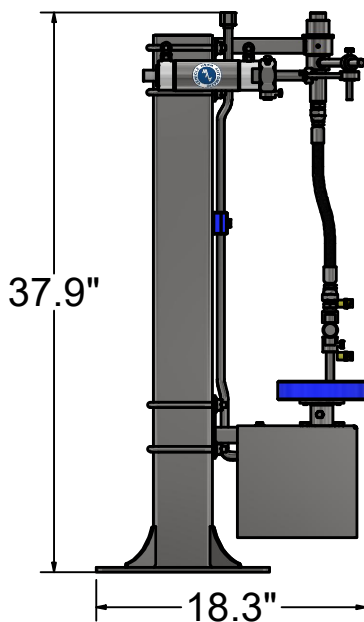
CONFIGURATION: K



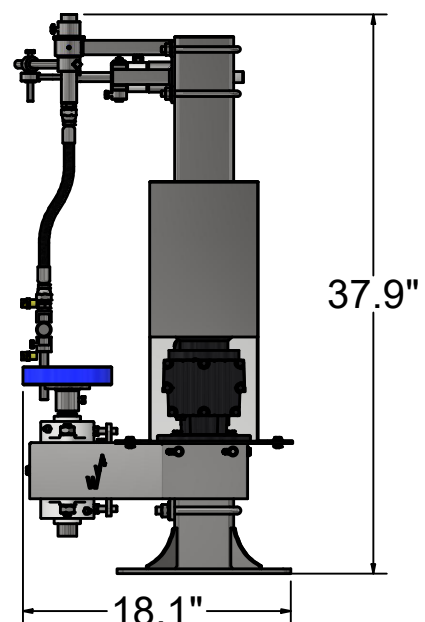
Configurations: M, N



CONFIGURATION: M

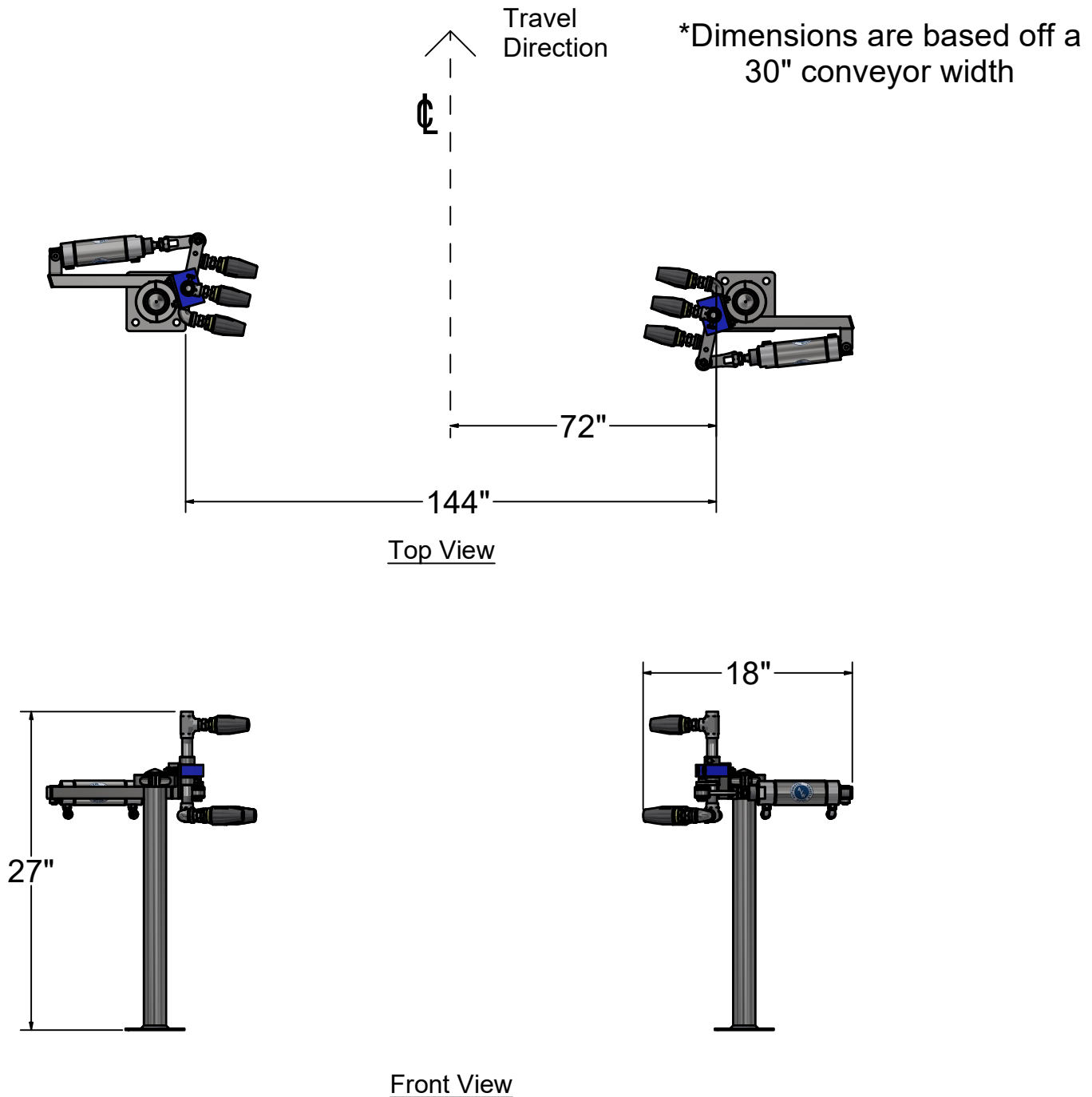


CONFIGURATION: N



Front View

Configuration: O



MAINTENANCE:

- 1.) Assure that the swivel attached to the rotor arm freely rotates.
Check once per month to verify. (Configurations H, I, J, K, L)
- 2.) Check the nozzles on a weekly basis to assure they are not clogged.
The water should be able to constantly flow out of the nozzles.
- 3.) Check your air cylinders on a monthly basis. Start by initiating the retract position and listening for a hissing sound. If a hissing sound can be heard, an air leak is present in either the hose connection or the O-ring seals. To test the hose connection pull lightly on the air hoses. They should be snug inside the push-to-connect fittings and shouldn't budge.
- 4.) Motor oil change frequency: Once per year

INSTALLATION:

- 1.) Find the centerline of the tunnel:
 - a.) With Dual Belt Conveyor configurations, find the overall width of the belt conveyor section and halve it to find the tunnel centerline.
 - b.) With Chain Conveyor configurations, measure 28" out from the right-most inside rail of the chain conveyor to find the tunnel centerline.
- 2.) After the centerline has been identified, use pages 6-13 of the HP Manual to determine where the desired configuration should be placed.
- 3.) Reference the Installation Hardware table below. Pre-drill the concrete before placing the expansion wedge concrete anchors. Use the anchor manufacturer's pre-drill size and torque recommendations.

Installation Hardware	
Anchor Size	ID
5/8" x 4"	A, B, C, D, M, N
1/4" x 4"	E
5/8" x 4" & 1/2" x 4"	F, G
1/2" x 4"	H, I, J, K, L, O

INSTALLATION (Cont.) :

4.) When assembling the remaining components, use Anti-sieze and the appropriate torque specs provided in the table below.

TORQUE TABLE Apply to all fasteners, unless specified otherwise. +/- 10% tolerance			
Nom Dia	Threads per Inch	Torque (in-lbs)	Torque (ft-lbs)
2	56	2.5	-
4	40	5.4	-
5	40	8.0	-
6	32	10.0	-
8	32	18.4	-
10	24	26.6	-
1/4	20	63.6	-
5/16	18	131	-
3/8	16	-	19.4
7/16	14	-	31.0
1/2	13	-	47.0
5/8	11	-	94.0
3/4	10	-	125.0
7/8	9	-	202.0
1	8	-	303.0

5.) Attach the water line from the high pressure pump to the Spinning Wheel Blasters and adjust the flow until the desired rotation speed is reached.

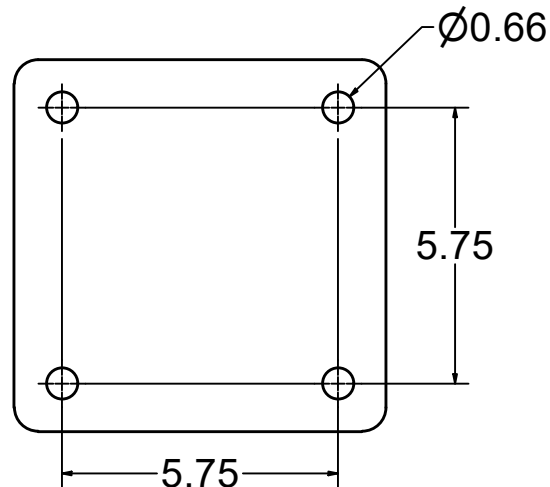
6.) Attach the air line from the air assist panel to the air cylinder push-connect fittings. Each air line from the air cylinder should be attached to the push-connect fittings on the 4 way directional valve located on the air panel. Lightly pull the lines from the push-connect fittings to assure that they are correctly installed.

APPLICATION BRIEFING

The AVW Automatic Prepping Robot Systems are designed to properly prep the car for soap application by utilizing high pressure nozzles to clear all surface debris.

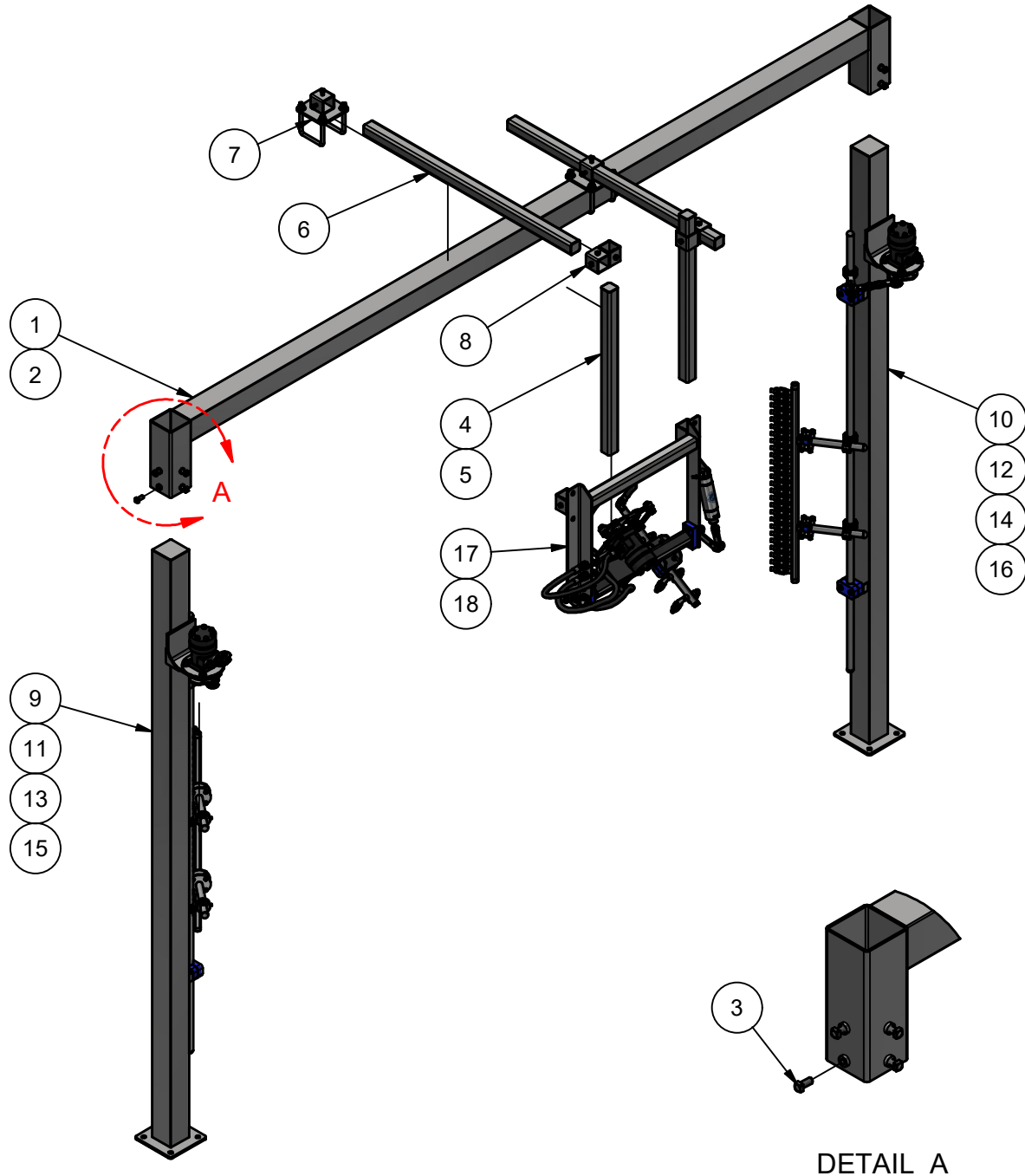
- Stainless Steel
- Simple/Clean Design
- Hydraulic/Electric Drive Options

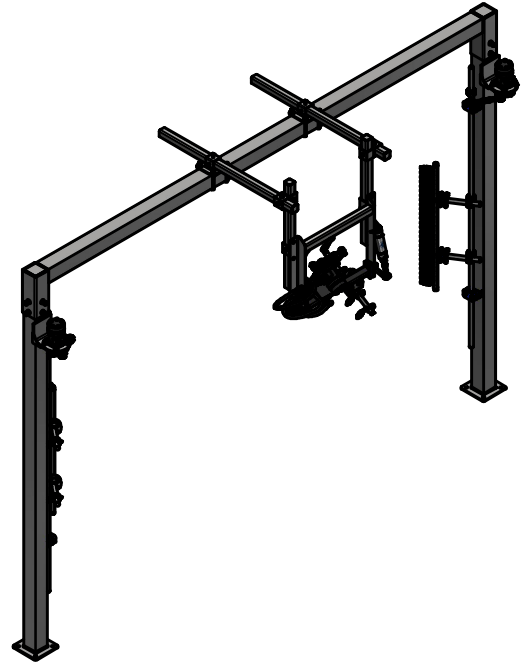
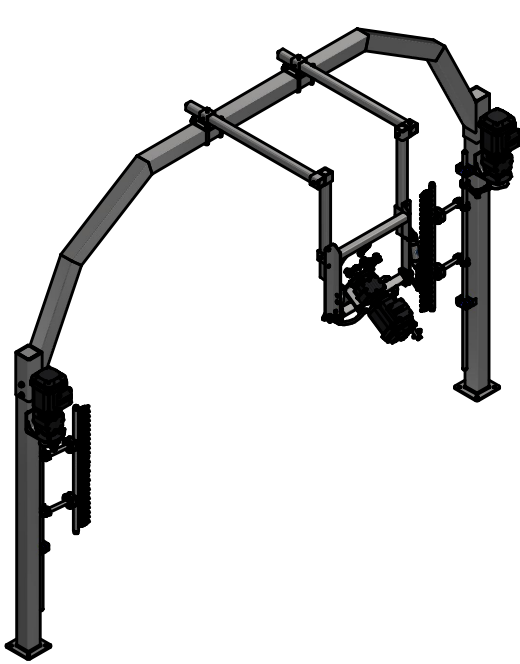
Mounting Configurations: A, B, C, D



SPECIFICATIONS	
Description	Value(s)
-----HYDRAULIC MOTORS-----	-
PORT SIZE	1/2" NPT
FLOW REQUIRED	Approximately 1.67GPM
MAX PRESSURE	1100psi max
-----ELECTRIC MOTOR-----	-
POWER	1.5 HP
VOLTAGE	230/460
CURRENT	4.60 / 2.30
GEARBOX	22.32:1 Ratio

Configurations: A, B, C, D



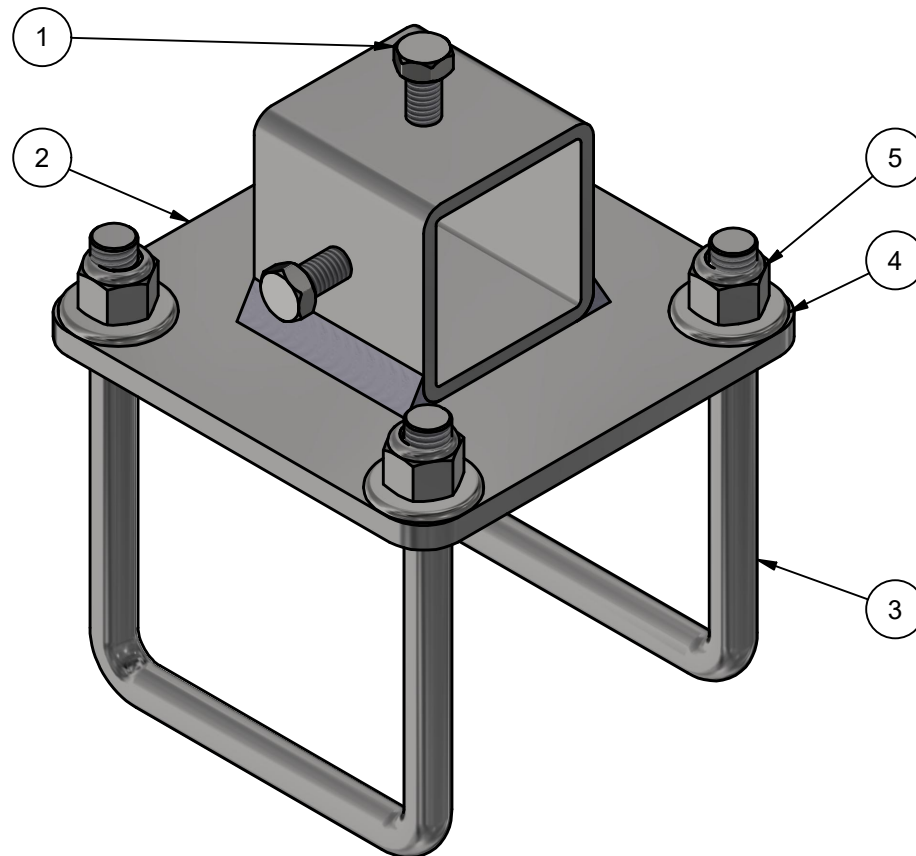


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	AA0B-12	Empty Arch Top Bar [Weldment]	1	A, B
2	OT2-AA0B-EL	Octa ² Empty Arch Crossbar	1	C, D
3	SQHS1213100	Sq. Head Set ScREW 1/2"-13 x 1" LG SS	8	A, B, C, D
4	PO1DB-2319	Extension Arm Drop Down for Top Manifold 30in	2	A, B
5	PO1DF-2319	30 in Extension Arm, 2" Sq	2	C, D
6	PO1DD-2319	Extension Arm for Top Manifold, 44 in LG	2	A, B, C, D
7	MG-RT1H	Mounting Plate w/Sleeve, Assembly	2	A, B, C, D
8	PO1DC-2319	2.5 in Square Dual Sleeve	2	A, B, C, D
9	MG-RT1A-2276	Robot Assembly, Driver Side, Hydraulic Drive	1	A
10	MG-RT1B-2276	Robot Assembly, Passenger Side, Hydraulic Drive	1	A
11	MG-RT1A-EL-2276	Robot Assembly, Driver Side, Electric Drive	1	B
12	MG-RT1B-EL-2276	Robot Assembly, Passenger Side, Electric Drive	1	B
13	OT2-RT1A	Octa ² Robot Driver Side Leg Assembly, Hydraulic Drive	1	C
14	OT2-RT1B	Octa ² Robot Passenger Side Leg Assembly, Hydraulic Drive	1	C
15	OT2-RT1A-EL	Octa ² Robot Driver Side Leg Assembly, Electric Drive	1	D
16	OT2-RT1B-EL	Octa ² Robot Passenger Side Leg Assembly, Electric Drive	1	D
17	PO1D-2276	Pivoting Oscillating Side Manifold Assembly, Customized for Top Mount	1	A, C
18	PO1D-EL-2276	Pivoting Oscillating Drivers Side Manifold Assembly	1	B, D

MG-RT1H

Mounting Plate w/Sleeve, Assembly

Configurations: A, B, C, D

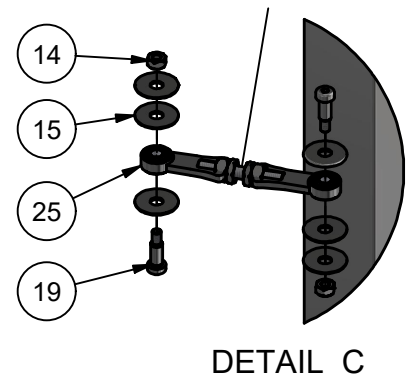
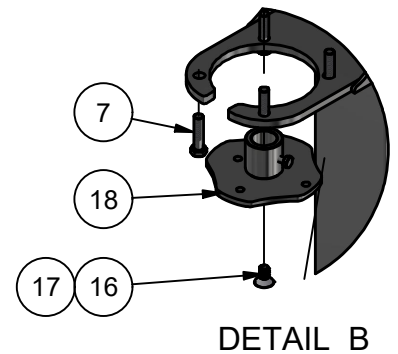
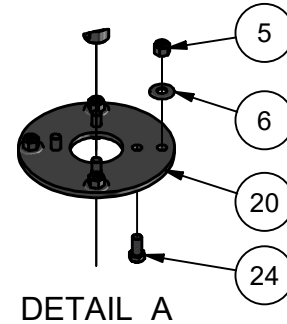
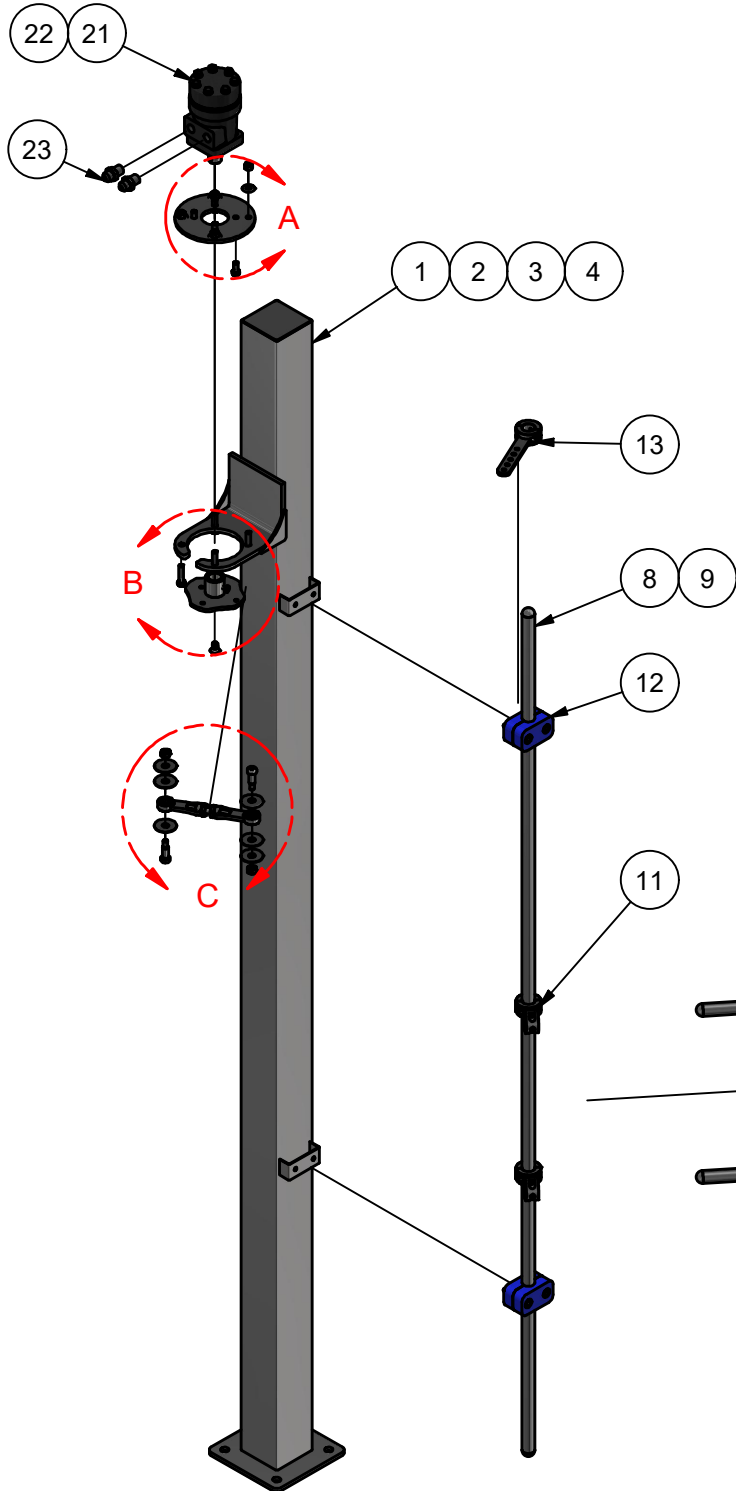


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	HHCS3816075	Hex Head Cap Screw: 3/8" - 16 x 3/4", SS	2	A, B, C, D
2	MG-RT1HA	Mounting Plate w/Sleeve, Weldment	1	A, B, C, D
3	UB-SQ050x1500	U-Bolt (Square): 1/2" x 4" x 5-1/4"	2	A, B, C, D
4	FW12	1/2" Flat Washer	4	A, B, C, D
5	NLN1213	Nylon Lock Nut: 1/2"-13 SOS	4	A, B, C, D

MG-RT1A-2276

Robot Assembly, Driver Side, Hydraulic Drive

Configurations: A, B, C, D



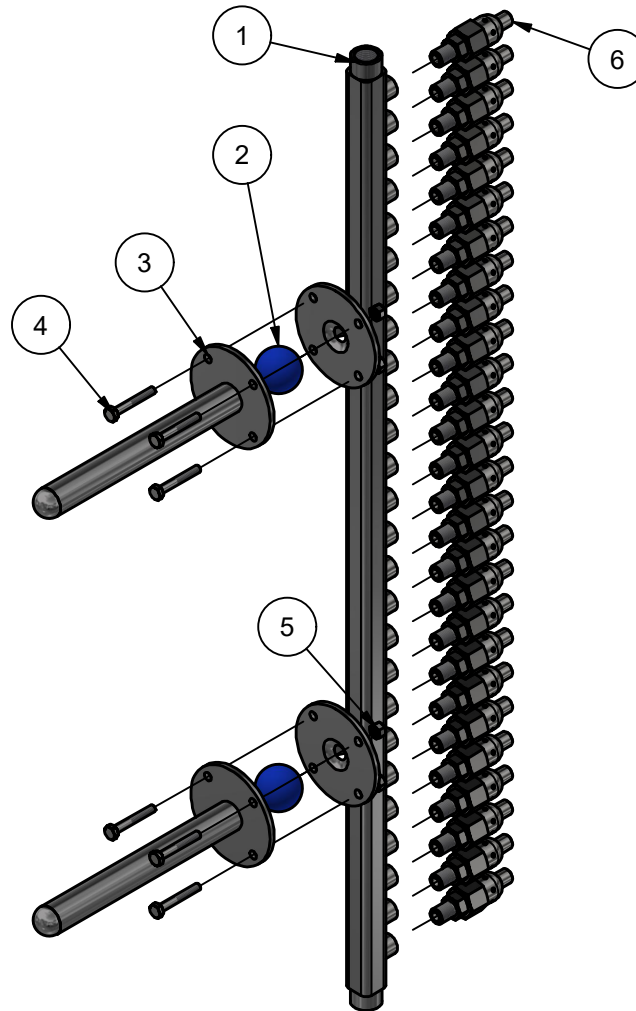
Configurations: A, B, C, D

Note: The Part Quantities Shown Below Are For Either The Driver Side Assembly or The Passenger Side Leg Assembly. Ensure That The Correct Leg Frame Side is Chosen.

Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	MG-RT1AA-2276	Robot Leg Weldment 108in [Driver Side]	1	A, B
2	MG-RT1BA	Robot Leg Weldment 108in [Passenger Side]	1	A, B
3	OT2-RT1AA	Octa ² Robot Leg Weldment [Driver Side]	1	C, D
4	OT2-RT1BA	Octa ² Robot Leg Weldment [Passenger Side]	1	C, D
5	NLN3816	Nylon Lock Nut: 3/8"-16 SS	4	A, B, C, D
6	FW38	Flat Washer: 3/8" SS	4	A, B, C, D
7	HHCS3816150	Hex Head Cap Screw: 3/8"-16 x1-1/2", SS	4	A, B, C, D
8	RT1AB1	Round Vertical Bar 80" [Weldment]	1	A, B
9	RT1AB2	Round Vertical Bar 62"	1	C, D
10	RT1ABA	Manifold Assembly-26 outlets	1	A, B, C, D
11	MG-RT1-2276-2XCCLR	Dual 1" ID Split Collar-90°	2	A, B, C, D
12	PO1C2	UHMW Pivot Block for HP Pivot Arch (2-Piece), with Fasteners (1" hole)	2	A, B, C, D
13	PO1-CAM2	5in Cam Arm w/ 5 Holes	1	A, B, C, D
14	HN3816	Hex Nut: 3/8"-16 SS	2	A, B, C, D
15	FW12	Flat Washer: 1/2" USS (wide) SS	6	A, B
16	SHCS1420100	Socket head Cap Screw 1/4"-20 x 1", SS	1	A, B
17	FHSCS516100	Socket Head Cap Screw (Flat Head) 5/16"-18 x 1",SS	1	C, D
18	SB2ABDA	Oscillating Disc (1")	1	A, B, C, D
19	SSSB12100	Shoulder Bolt: 1/2"x1" (3/8" Thread) SS	2	A, B, C, D
20	RPSS03GX0625X9H	Plate #1/4" x 6 1/4" OD	1	A, C
21	TB0080-TB1ADBM	80cc Parker Hydraulic Motor	1	A, C
22	GRMTR-SEW-1.5HP-79-230-460	SEW Gearmotor, 1.5HP, 79rpm, RF27	1	B, D
23	CNCTSTL050JIC050NPT	Connector (Male): 1/2" JIC x 1/2" NPT Male, Steel SAE070101-8-8	2	A, C
24	HHCS3816100	Hex Head Cap Screw 3/8" - 16 x 1", SS	4	A, C
25	PO1CBB-6	Oscillating Arm, 6" Long	1	A, B, C, D

Configurations: A, B, C, D

Note: The Part Quantities Shown Below Are For One Side Only

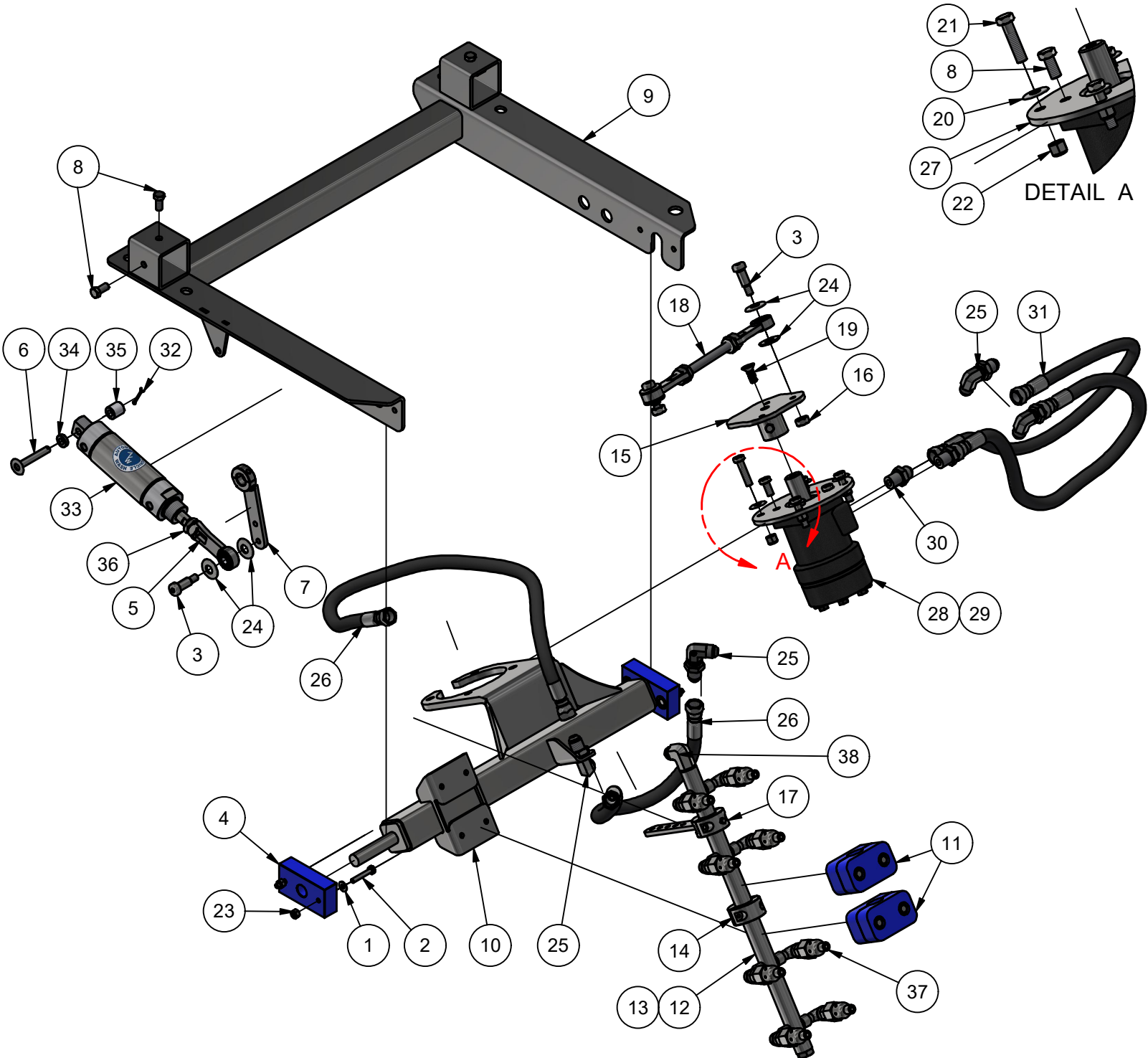


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	RT1ABAB	Side Manifold [Weldment]	1	A, B, C, D
2	RT1ABA1	UHMW Plastic Ball 1 1/2"OD	2	A, B, C, D
3	RT1ABAA	Adjustable Angle Holder	2	A, B, C, D
4	HHCS1420175	1/4" - 20 UNC x 1 3/4" LG. HEX SCREW	8	A, B, C, D
5	NLN1420	Nylon Lock Nut 1/4"-20	8	A, B, C, D
6	RIFNOZ-ASSY-SS	Nozzle (Rifle) Assembly	26	A, B, C, D

PO1D-2276

Pivoting Oscillating Side Manifold Assembly, Customized for Top Mount

Configurations: A, B, C, D



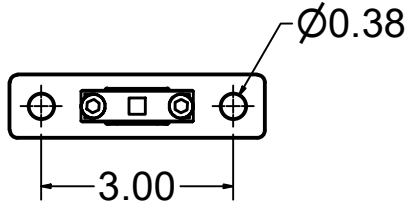
Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	FW14	Flat Washer 1/4" 18-8 (USS wide)	4	A, B, C, D
2	HHCS1420150	1/4"-20 x 1 1/2" Hex Screw	4	A, B, C, D
3	SSSB12100	Shoulder Bolt: 1/2"x1" (3/8" Thread) SS	3	A, B, C, D
4	PO1C1A	UHMW Block 3-3/4" x 2" x 1"	2	A, B, C, D
5	BJ1-2-20	Ball Joint End Rod Female 1/2"-20	1	A, B, C, D
6	PINSS375X0250XWCP	Pin 3/8" x 2 1/2" LG, w/ cotter pin hole	1	A, B, C, D
7	PA1-CAM1	4in Cam Arm	1	A, B, C, D
8	HHCS3816075	Hex Head Cap Screw: 3/8" - 16 x 3/4", SS	8	A, B, C, D
9	PO1DB-2276	Manifold Frame - Driver Customized for top mount.	1	A, B, C, D
10	PO1EA	Pivoting Bar w/ Motor Mount - Passenger (Electric)	1	A, B, C, D
11	PO1C2	UHMW Pivot Block for HP Pivot Arch (2-Piece)	2	A, B, C, D
12	PO1DM	Pivoting Oscillating HP Side Manifold Assembly 18"	1	A, C
13	PO2DM-2276	Oscillating Top Manifold For Robot Back End Washer	1	B, D
14	SCLRSS100X200X100	SS Split Collar [#1"], 1" ID X 2" OD	1	A, B, C, D
15	SB2ABDA	Oscillating Disc (1")	1	A, B, C, D
16	HN3816	Hex Nut: 3/8"-16 SS	2	A, B, C, D
17	PO1-CAM2	5in Cam Arm w/ 5 Holes	1	A, B, C, D
18	PO1CBB-10	Oscillating Arm Assembly, 10"	1	A, B, C, D
19	FHSCS516100	Socket Head Cap Screw (Flat Head) 5/16"-18 x 1",SS	1	A, B, C, D
20	FW38	Flat Washer: 3/8" SS	4	A, B, C, D
21	HHCS3816150	Hex Head Cap Screw: 3/8"-16 x1-1/2", SS	4	A, B, C, D
22	NLN3816	Nylon Lock Nut: 3/8"-16 SS	4	A, B, C, D
23	NLN1420	Nylon Lock Nut 1/4"-20	4	A, B, C, D
24	FW12	1/2" Flat Washer	6	A, B, C, D
25	UNNBLKHDSTL050JIC	90Deg Union-(Bulkhead):1/2JIC x 1/2JIC,w/ Locknut	4	A, B, C, D
26	PO1HA	Hydraulic Hose Assembly, 3/8"ID x 16-1/2"LG	2	A, B, C, D
27	RPSS03GX0625X9H	Plate #1/4" x 6 1/4" OD	1	A, C
28	TB0080-TB1ADBM	80cc Parker Hydraulic Motor	1	A, C
29	GRMTR-SEW-1-5HP-79-230-460	SEW Gearmotor, 1.5HP, 79rpm, RF27	1	B, D
30	CNCTSTL050JIC050NPT	Connector (Male): 1/2" JIC x 1/2" NPT Male	2	A, C
31	38HYDHAY-0200-FXF	Hose Assembly (Hydraulic) 3/8" x 24"	2	A, C
32	CP18-100	Cotter Pin: 1/8" x 1", SS	1	A, B, C, D
33	AC2x3	Air Cylinder 2" x 3"	1	A, B, C, D
34	WA2GA3	UHMW Spacer 3/4"OD x 3/8"ID x .2"LG	1	A, C
35	WA2GA4	UHMW Spacer 3/4"OD x 3/8"ID x 13/16" LG	1	A, C
36	JN1220	Jam Nut: 1/2-20, SS	1	A, B, C, D
37	RIFNOZ-ASSY-SS	Rifle Nozzle Assembly	10	B, D
38	EL90STL050JIC050MNPT	Elbow 90deg 1/2"JIC x 1/2"NPT, Male	1	B, D

APPLICATION BRIEFING

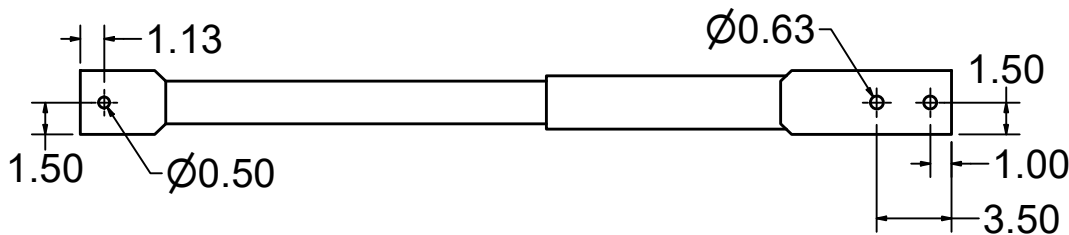
The AVW Bumper Blasters are designed to help clean the front and rear surfaces of vehicles. There are two models; stationary or oscillating. Stationary is preferred when tunnel space is limited and both models fit into the conveyor pit grating area of most washes.

- Stainless Steel
- Simple/Clean Design
- Low Profile
- Hydraulic/Electric Drive Options

Mounting Configurations: E

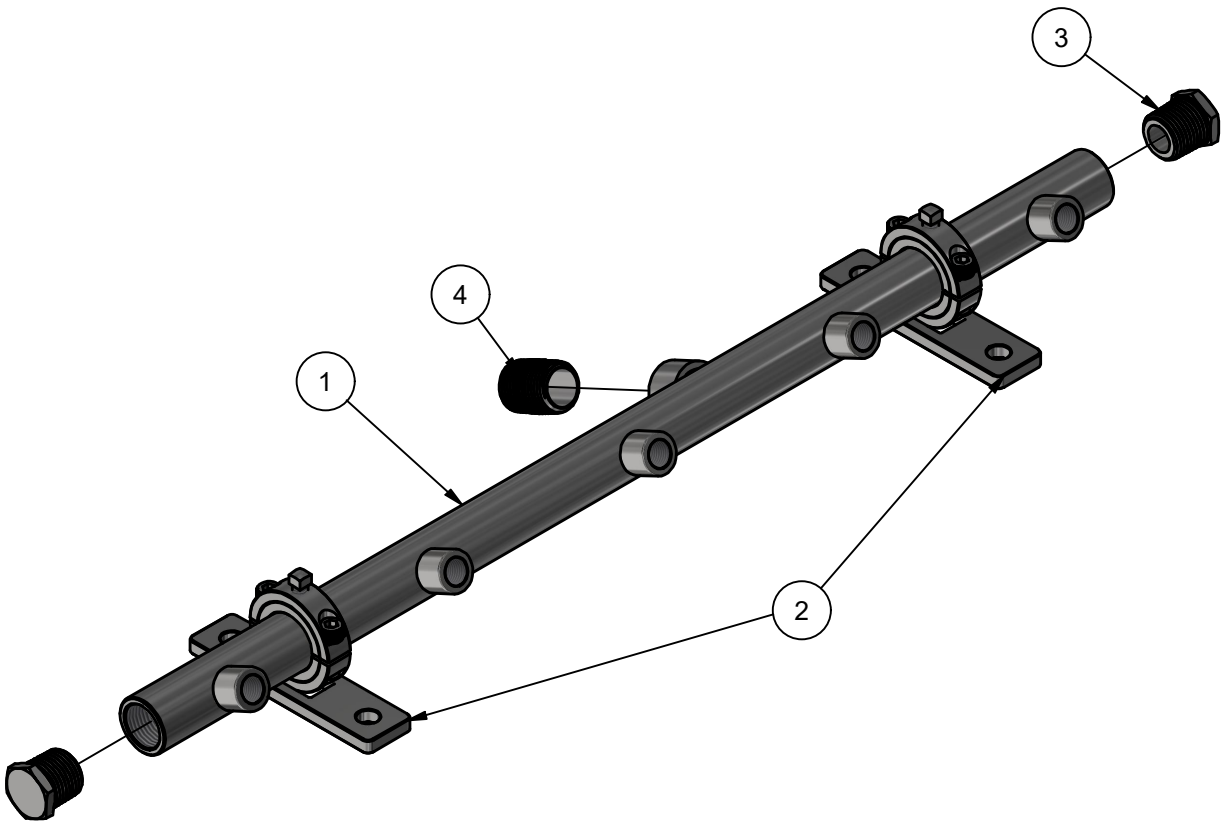


Mounting Configurations: F, G



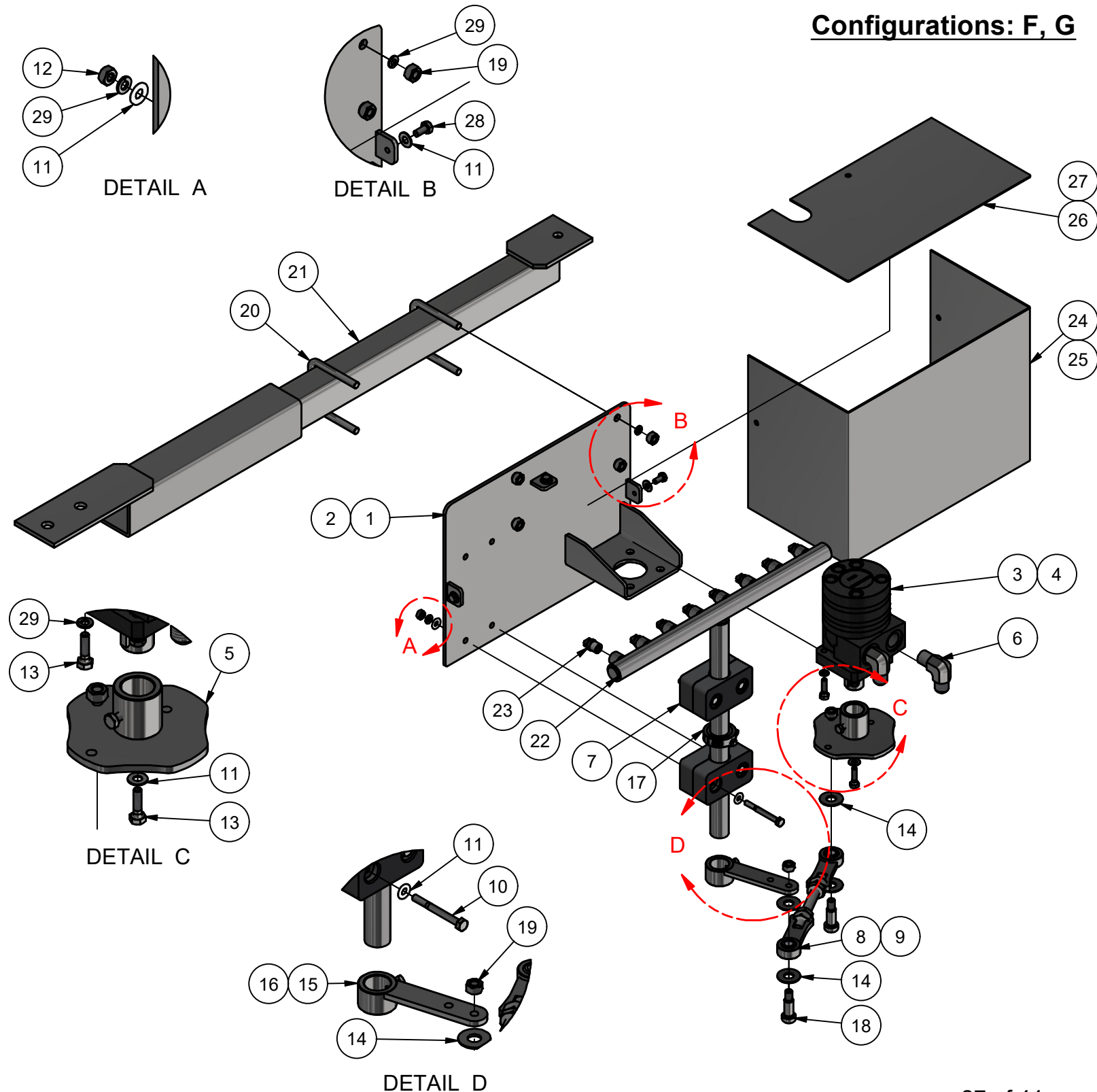
SPECIFICATIONS	
Description	Value(s)
-----HYDRAULIC MOTORS-----	-
PORT SIZE	1/2" NPT
FLOW REQUIRED	Approximately 1.67GPM
MAX PRESSURE	1100psi max
-----ELECTRIC MOTOR-----	-
POWER	1.5 HP
VOLTAGE	230/460
CURRENT	4.60 / 2.30
GEARBOX	22.32:1 Ratio

Configuration: E



Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	BB1AA	Bumper Blaster 21" [Weldment]	1	I
2	BB1B	Mounting Bracket for Bumper Blaster	2	I
3	SAE140109P-8	1/2" NPT SS Hollow Hex Plug	2	I
4	NPL3040501125	NippleSS 1/2" x 1-1/8"lg	1	I

Configurations: F, G



Configurations: F, G

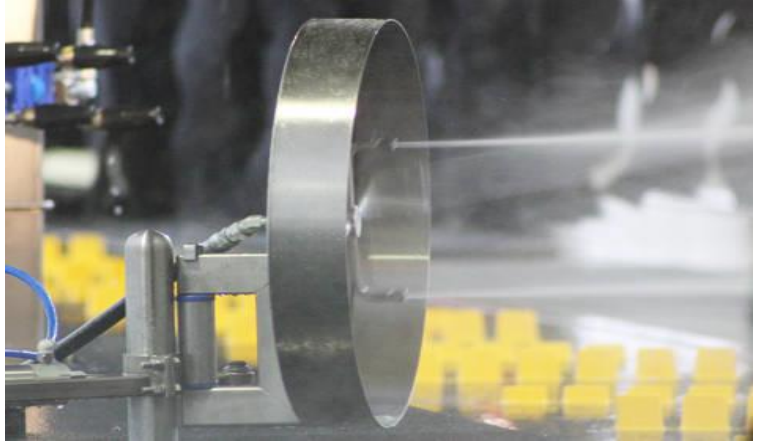
Note: The Part Quantities Shown Below Are For Either The Front or Rear Blaster.

Parts List						
ITEM	PART NUMBER	DESCRIPTION	ID	QTY	ID	QTY
1	BB1259BA	Frame Weldment, Hydraulic	F	1		
2	BB1259BA-6734	Frame Weldment, Electric	G	1		
3	TB0080-TB1ADBM	Hydraulic Motor	F	1		
4	GRMTR-SEW-1-5HP-79-230-460	Gearmotor, 1.5HP, 79rpm, RF27 for All Electric Drive Equipment	G	1		
5	SB2ABDA	Oscillating Disc (1")	F, G	1		
6	EL90STL050JIC050NPTF	Elbow (1/2" NPTF Male X 1/2" JIC Male)	F	2		
7	PA1AF	UHNW Block	F, G	2		
8	PO1CBB-8	Oscillating Arm Assembly, 8"	F	1		
9	PO1CBB-10	Oscillating Arm Assembly, 10"	G	1		
10	HHCS1420250	Hex Head Cap Screw 1/4"-20 x 2-1/2"	F, G	4		
11	FW14	Flat Washer 1/4" 18-8 (USS wide)	F, G	12		
12	HN1420	Hex Nut: 1/4"-20, SS	F, G	4		
13	HHCS1420100	Hex Head Cap Screw 1/4"-20 x 1"	F, G	5		
14	FW12	1/2" Flat Washer	F, G	4		
15	OS1-CAM1	4in Cam Arm	F	1		
16	BB1259B-CAM	Cam Arm 5" LG w/Collar 1in ID	G	1		
17	WA100SCC	1" 2PC Split Clamp Collar	F, G	1		
18	SSSB12100	Shoulder Bolt: 1/2"x1" (3/8" Thread) SS	F, G	2		
19	HN3816	Hex Nut: 3/8"-16, SS	F, G	6		
20	UB-SQ0375X1050	Square U Bolt D 3/8" x 2 1/2" x 4 1/2" LG	F, G	2		
21	BB1259BC	Adjustable Holder for Bumber Blaster	F, G	1		
22	B1259BB	Bumber Blaster Manifold Assembly	F, G	1		
23	1-4MEG0006	NOZZLE 1/4" MEG 0006	F, G	8		
24	BB1259BAC	Sheet Metal #14 Ga.10" x 28 25/32" LG.	F	1		
25	BB1259B1AC	Sheet Metal #14 Ga x 21" x 34" LG.	G	1		
26	BB1259BAB	Sheet Metal #14 Ga. 7 37/64" x 13 57/64" LG.	F	1		
27	BB1259B1AB	Sheet Metal #14Ga x 10" x 14" LG	G	1		
28	HHCS1420050	Hex Head Cap Screw: 1/4" - 20 x 1/2"	F	3		
29	SLW14	Split Lock Washer: 1/4" SS	F	13	G	18

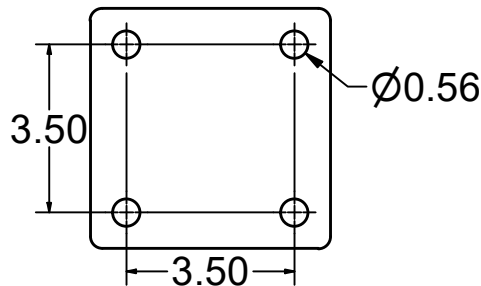
Application Briefing

The AVW Wheel Blasters are used by wheel conscientious tunnel operators to help clean the toughest areas of the vehicle (whitewalls, wheel wells, wheels) and requires very little space.

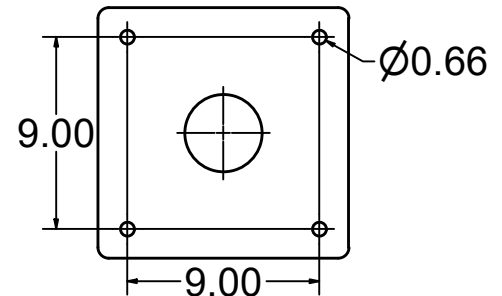
- Heavy-duty stainless steel
- Spinning motion for better attack angle
- Works best on hard to clean wheels
- Cleans rockers area as much as bumpers



Mounting Configurations: H, I, J, K, L, O



Mounting Configurations: M, N

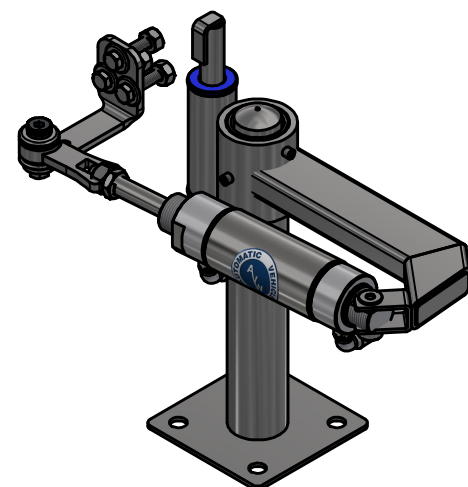
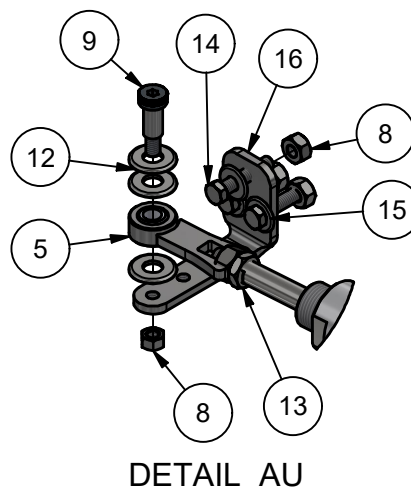
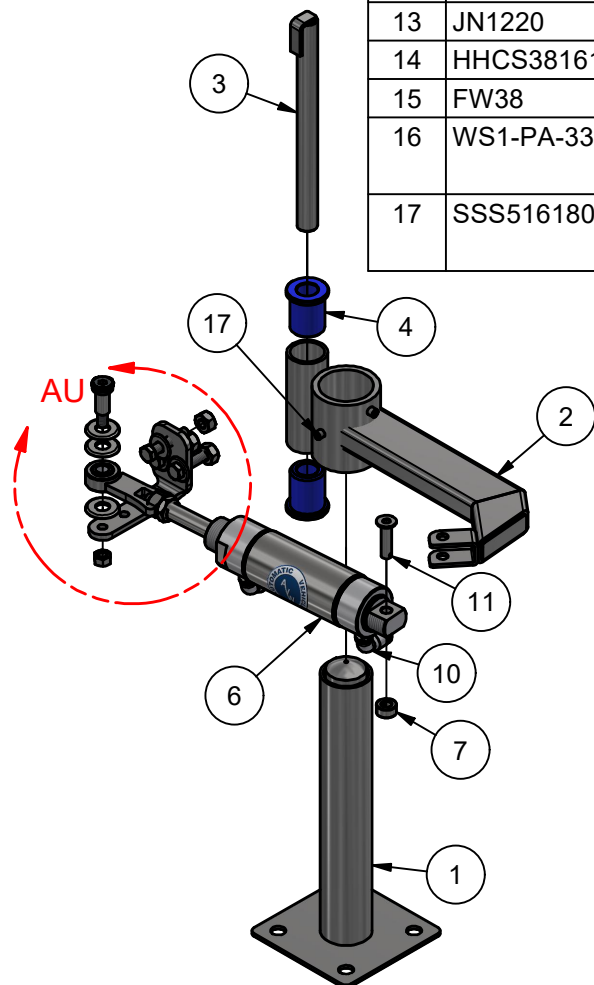


Specifications	
Description	Value(s)
EQUIPMENT WIDTH (ID: H, I, J, K, L)	19-1/2" (Round Shroud) 20" (Hexagon Shroud)
EQUIPMENT LENGTH (ID: H, I, J, K, L)	18.5" (Configuration C) 20" (Configurations: A,B,D,E)
EQUIPMENT HEIGHT (ID: H, I, J, K, L)	25-1/2" (Round Shroud) 28-5/8" (Hexagon Shroud)
STANDARD ROTATION SPEED	Dependent on pressure output
MAXIMUM WATER LINE PRESSURE	900 PSI
-----AIR CYLINDER-----	
STANDARD OPEARATING PRESSURE	25-30 PSI (Adjust if necessary)
MAX STROKE LENGTH	3 Inches
STROKE ANGLE	-20° to 20°

Configurations: H, I, J, K, L

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	WS1A-12	1	12" Stand for spinning wheel blaster	H, I, J, K, L
2	WS1B	1	Pivot Arm, Spinning Wheel Blaster	H, I, K, L
3	WS1D	1	Locking Pin, Spinning Wheel Blaster, 3/4"OD x 9 1/4" LG.	H, I, K, L
4	WS1UHMW1	2	UHMW Bushing 3/4" I.D. x 1 1/4" O.D. x 1 3/4" LG	H, I, K, L
5	BJ1-2-20	1	Ball Joint End Rod Female 1/2"-20	H, I, K, L
6	AC2x3	1	Air Cylinder 2" x 3"	H, I, K, L
7	WA1FC	1	3/8" Set Screw Collar	H, I, K, L
8	HN3816	4	Hex Nut: 3/8"-16, SS	H, I, K, L
9	SSSB12100	1	Shoulder Bolt: 1/2' x 1"LG thread SS	H, I, K, L
10	APF3814-EL90	2	3/8" x 1/4" MNPT Elbow Air Push Fitting	H, I, K, L
11	WA1GB	1	Pin 3/8" x 1-1/2" Lg.	H, I, K, L
12	FW12	3	1/2" Flat Washer	H, I, K, L
13	JN1220	1	Jam Nut: 1/2-20, SS	H, I, K, L
14	HHCS3816175	3	Hex Head Cap Screw: 3/8"-16 x 1-3/4", SS	H, I, K, L
15	FW38	3	Flat Washer: 3/8" SS	H, I, K, L
16	WS1-PA-3328	1	Universal Support Bracket, Pivot Arm, Spinning Wheel Blaster	H, I, K, L
17	SSS51618050	2	Hexagon Socket Set Screw - Flat Point - Inch 5/16"-18 UNC x 0.55"	H, I, K, L

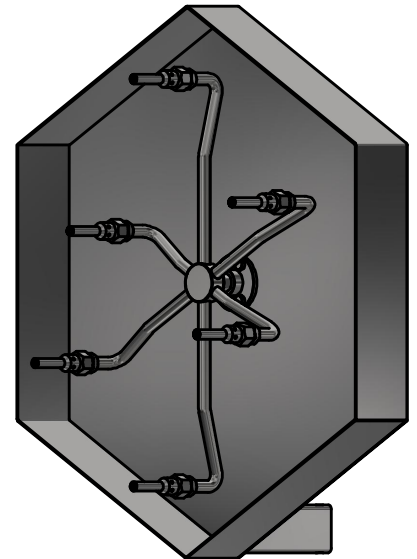
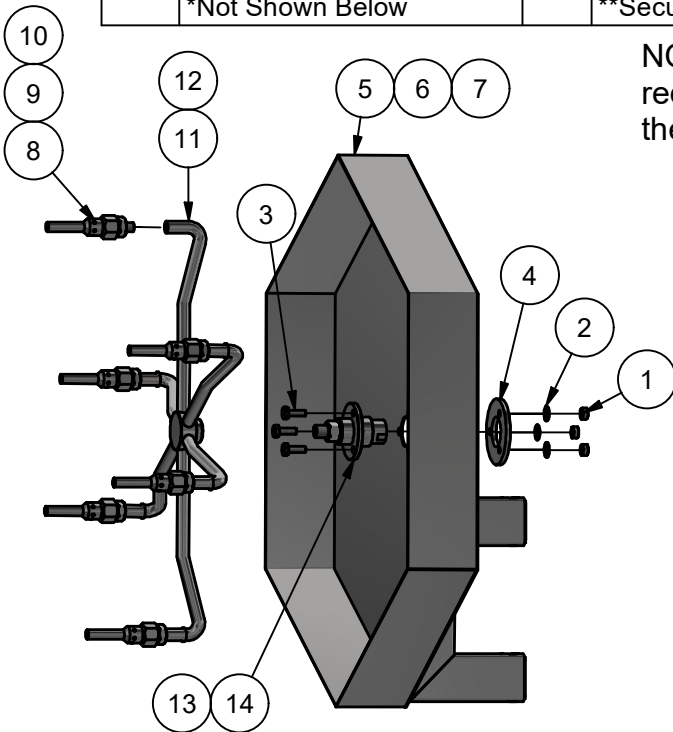
NOTE: The parts list above shows the full assembly items required for one Wheel Spinning Blaster Stand on either the driver or the passenger side.



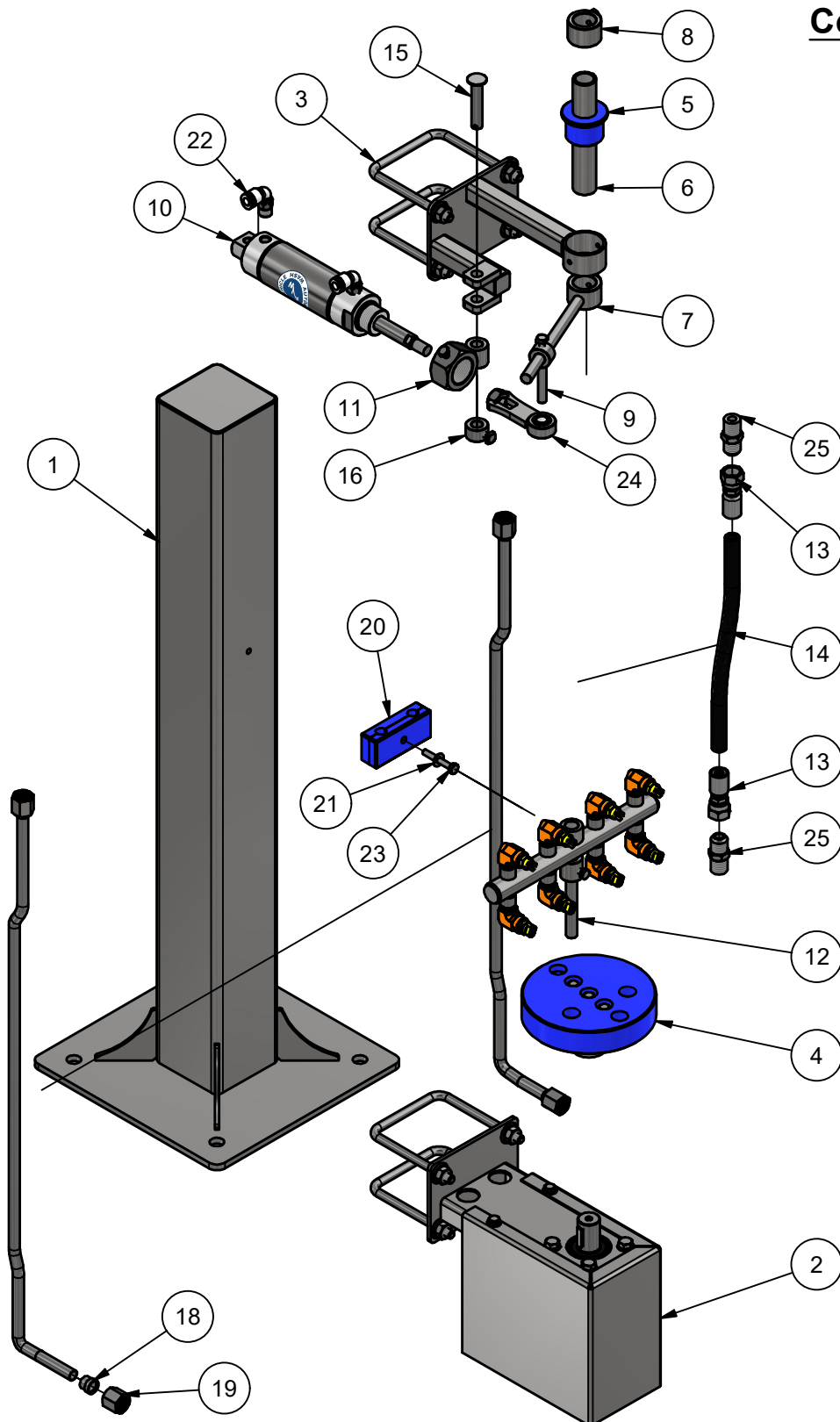
Configurations: H, I, J, K, L

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	HN1420	3	Hex Nut: 1/4"-20, SS	H, I, J, K, L
2	FW14	3	Flat Washer 1/4" 18-8 (USS wide)	H, I, J, K, L
3	HHCS1420075	3	1/4"-20 x 3/4" Hex Head Cap Screw	H, I, J, K, L
4	WS1E	1	WS1 reinforcing disc.	H, I, J, K, L
5	WS1C	1	Hexagonal Housing with Rear Mounting Bracket	H, I, L
6	WS1C-3179	1	Hexagonal Housing with Fixed Collar Attachment	J
7	WS1C-3328	1	Round Housing with Rear Mounting Bracket	K
8	1-8MEG-0006	4	Nozzle (MEG): 1/8" MNPT #0006, SS	H, J, K
9	STABNOZ-0004EG-ASSY	6	Stabilizer housing for Nozzle assembly with TP0004EG Nozzle	I
10	1-8MEG-0006	6	Nozzle (MEG): 1/8" MNPT #0006, SS	L
11	RTR-ARM-86-833	1	Turbo Rotor Arm, 4 Nozzle 14x8	H, J, K
12	RTR-ARM-86-915	1	Turbo Rotor Arm, 6 Nozzle/3 Arm 8x10x14	I, L
13	SWIVEL-35-163	1	Swivel - DGF, Flanged, 3/8" NPT Fem., G 3/8" Male	H, J, K, L
14	SWIVEL-58-163	1	SWIVEL-DYF, Flanged, 3/8" NPT-F, G 3/8"M	I
15	SQHS1420050	2	Square Head Set Screw: 1/4"-20 X 1/2" LG	J
	*Not Shown Below		**Secures Housing (WS1C-3179) to Stand (WS1A-12)	

NOTE: The parts list above shows the full assembly items required for one Wheel Spinning Blaster Shroud on either the driver or the passenger side.



Configuration: M



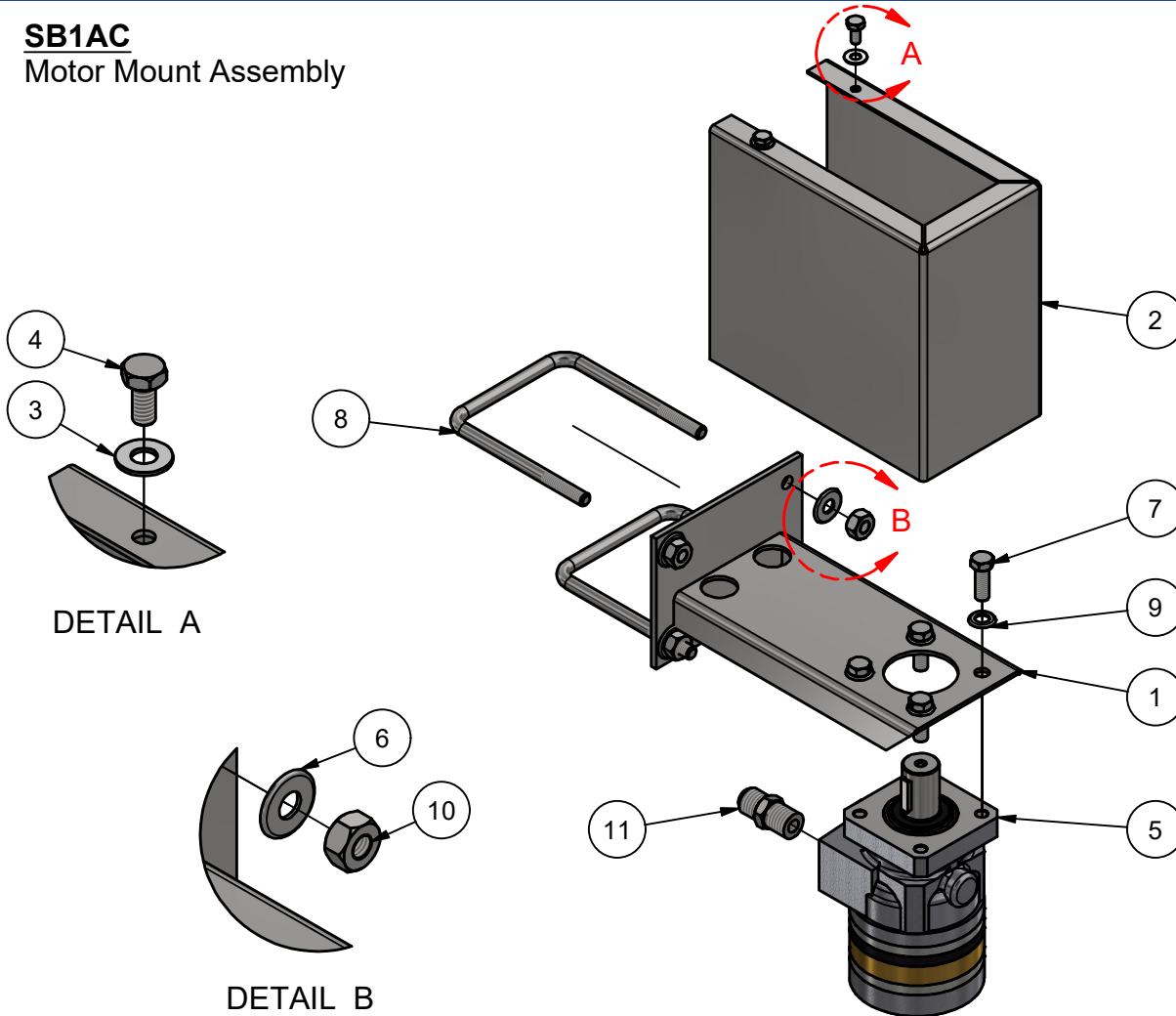
Configuration: M

COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	SB1AA	Square Leg 36"LG	1	M
2	SB1AC	Motor Mount Assembly	1	M
3	SB2ABA	Top Bracket Assembly	1	M
4	SB2ABDA	Swirling Disc Assembly	1	M
5	SA1ABAC	UHMW Bushing 1" I.D. x 1 5/8" O.D. x 1 3/8" LG	1	M
6	NPL304050600	3/4" Pipe x Sch40 x 1/2" NTP x 6" LG.	1	M
7	SB1ABC-0808	Cam Arm	1	M
8	CN1AEC	Collar 1"ID x 1-1/2"OD x 1"LG	1	M
9	SSBCD	Cylinder Drive	1	M
10	AC2x3	Air Cylinder 2" x 3"	1	M
11	SB1ABDA-0808	Cylinder Mount Bracket	1	M
12	SB2ADAB	Swirling Side Blaster Manifold	1	M
13	FC5810-0806	Crimp--(Female): 1/2" FJIC, 37°-3/8"	2	M
14	PBRT100-12	Water Hose 1/2" OD	1	M
15	FW12	Flat Washer: 1/2" USS (wide) SS	1	M
16	WA1GD	1/2" Collar	1	M
17	SB1C	Hydraulic Tube 1/2" O.D. x 33" LG.	2	M
18	SLVSTL050JIC	Sleeve: 1/2" JIC, Steel	4	M
19	NUTSTL050JIC	Nut: 1/2" JIC 37° Flare, Steel	4	M
20	SB1D	Hydraulic Tube Mount	1	M
21	FW14	Flat Washer 1/4" 18-8 (USS wide)	1	M
22	APF3814-EL90	3/8" ElBow Air Push Fitting	2	M
23	HHCS1420175	1/4" - 20 UNC x 1 3/4" LG. HEX SCREW	1	M
24	BJ1-2-20	Ball Joint End Rod Female 1/2"-20	1	M
25	CNCTSTL050JIC050NPT	Connector (Male): 1/2" JIC x 1/2"-14 NPT	2	M

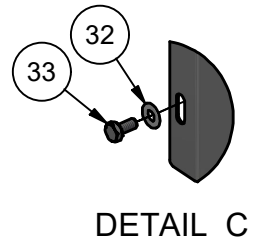
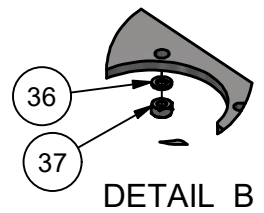
SB1AC Motor Mount Assembly

Configuration: M



Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	SB1ACA	Motor Mount	1	M
2	PL14GX0825X2075	Sheet Metal #14Ga x 8 1/4" x 20 3/4"	1	M
3	FW14	Flat Washer 1/4" 18-8 (USS wide)	2	M
4	HHCS1420050	Hex Head Cap Screw: 1/4" - 20 x 1/2"	2	M
5	TB0080-TB1ADB M	Parker Motor	1	M
6	FW38	Flat Washer: 3/8" SS	4	M
7	HHCS3816100	Hex Head Cap Screw 3/8" - 16 x 1", SS	4	M
8	UB-SQ0375x1400	Square U Bolt 3/8" x 4" x 5" LG	2	M
9	FW380875	Flat Washer: 3/8" x 7/8" USS	4	M
10	HN3816	Hex Nut: 3/8"-16 SS	4	M
11	CNCTSTL050JIC050NPT	Connector (Male): 1/2" JIC x 1/2"-14 NPT	2	M

34 of 44



Configuration: N

COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

NOTE: The parts list shown below includes all parts needed for either the [Driver] side or [Passenger] side. Ensure that the correct part is chosen if a side is specified in the description.

Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	SB1AA	SB1AA - Square Leg 36"LG	1	N
2	SA1ABAC	UHMW Bushing 1" I.D. x 1 5/8" O.D. x 1 3/8" LG	1	N
3	NPL304050600	3/4" Pipe x Sch40 x 1/2" NTP x 6" LG.	1	N
4	SB1ABC-0808	Cam Arm	1	N
5	CN1AEC	Collar 1"ID x 1-1/2"OD x 1"LG	1	N
6	SSBCD	Cylinder Drive	1	N
7	AC2x3	Air Cylinder 2" x 3"	1	N
8	SB1ABDA-0808	Cylinder Mount Bracket	1	N
9	SB2ADAB	Swirling Side Blaster Manifold	1	N
10	FC5810-0806	Crimp--(Female): 1/2" FJIC, 37°-3/8"	2	N
11	PBRT100-12	Water Hose 1/2" OD	1	N
12	FW12	Flat Washer: 1/2" (Wide)	11	N
13	WA1GD	1/2" Collar	1	N
14	APF3814-EL90	3/8" ElBow Air Push Fitting	2	N
15	BJ1-2-20	Ball Joint End Rod Female 1/2"-20	1	N
16	CNCTSTL050JIC050NPT	Connector (Male): 1/2" JIC x 1/2"-14 NPT	2	N
17	GRMTR-SEW-1-5HP-79-230-460	SEW Gearmotor, 1.5HP, 79rpm, RF27	1	N
18	D40BS15HX1125	Double 15 Tooth Sprocket, for 1-1/8" Shaft	1	N
19	5968K77	2 Bolt Flange Bearing: 1-1/4"	2	N
20	SB2ABDA	Swirling Disc Assembly	1	N
21	D40BS15HX125	Double 15 Tooth Sprocket, for 1-1/4" Shaft	1	N
22	PO1D-EL-C	Pivoting Oscillating Side Manifold, Electric Drive Cover	1	N
23	SB1AG-EL	Pivoting Swirling Side Blaster, Shaft	1	N
24	HN1213	Hex Nut, 1/2-13, SS	10	N
25	UB-SQ050x1500	U-Bolt (Square): 1/2" x 4" x 5-1/4"	3	N
26	SB1BE	Pivoting Swirling Side Blaster, Motor Mount [Passenger]	1	N
27	SB1AE	Pivoting Swirling Side Blaster, Motor Mount [Driver]	1	N
28	HHCS1213150	1/2" - 13 x 1 1/2" UNC Hex Screw	4	N
29	HHCS3816125	3/8"-16 x 1 1/4" UNC Hex Screw	2	N

Configuration: N

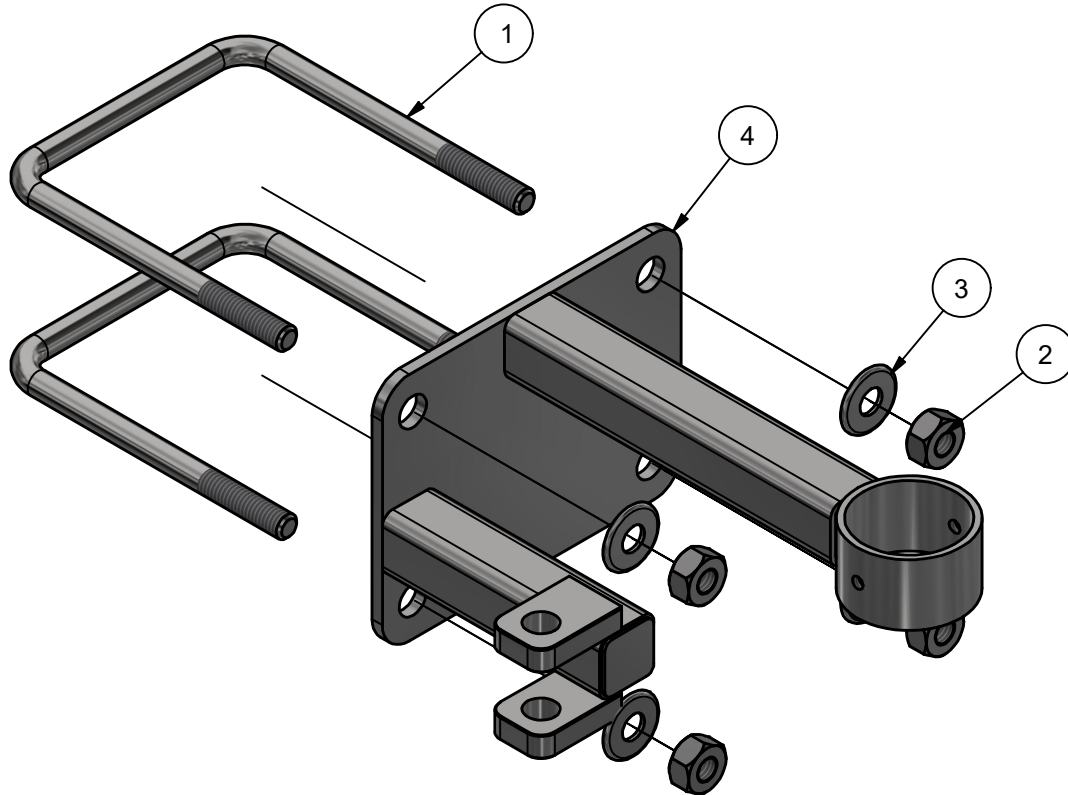
COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

NOTE: The parts list shown below includes all parts needed for either the [Driver] side or [Passenger] side. Ensure that the correct part is chosen if a side is specified in the description.

Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
30	SB1BH	Motor Mount Cover [Passenger Side]	1	N
31	SB1AH	Motor Mount Cover [Driver Side]	1	N
32	FW14	Flat Washer 1/4" 18-8 (USS wide)	5	N
33	HHCS1420050	Hex Head Cap Screw: 1/4" - 20 x 1/2"	5	N
34	HHCS51618150	5/16"-18 x 1 1/2" L Hex Screw	4	N
35	FW516	5/16" R Flat Washer	4	N
36	SLW516	5/16" Split Lock Washer	4	N
37	HN51618	Hex Nut: 5/16"-18, SS	4	N
38	SB1-CH-EL	Double Chain Assembly	1	N
39	SB2ABA	Top Bracket Assembly [Passenger Side]	1	N
40	SB2BBA-0425	Top Bracket Assembly [Driver Side]	1	N

SB2ABA
Top Bracket Assembly

Configuration: M, N

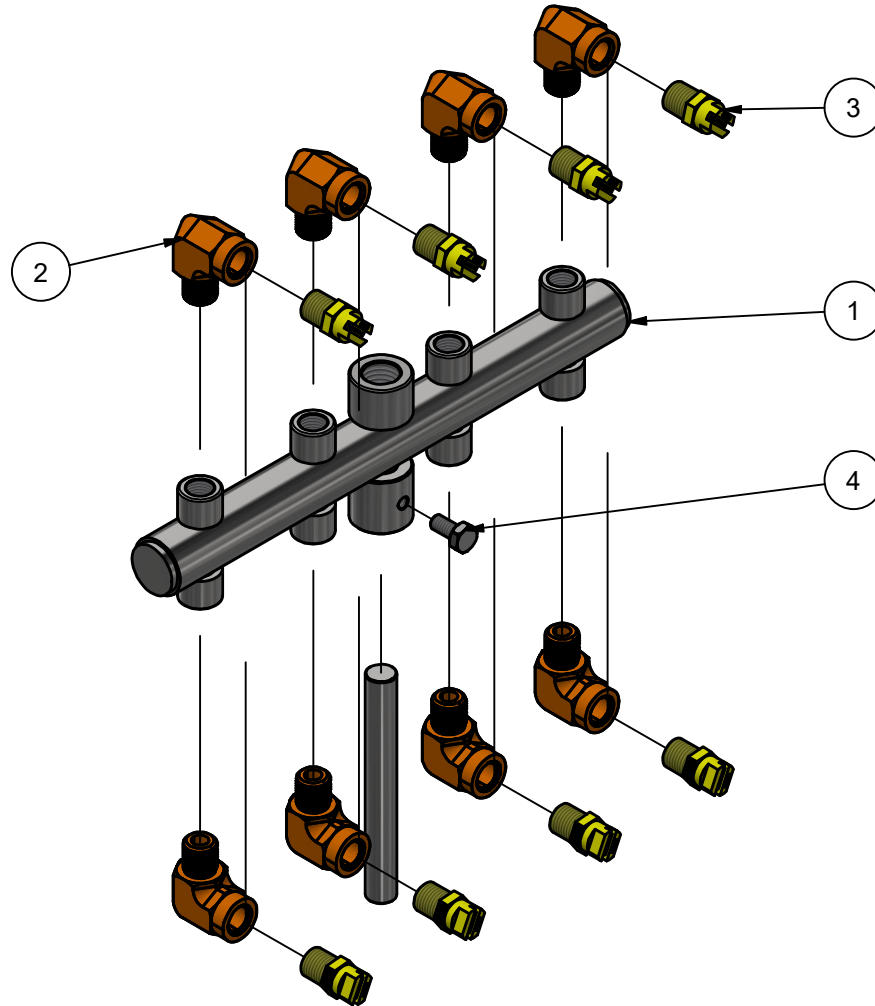


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	UB-SQ0375x1400	Square U Bolt 3/8" x 4" x 5" LG	2	M, N
2	HN3816	Hex Nut: 3/8"-16 SS	4	M, N
3	FW38	Flat Washer: 3/8" SS	4	M, N
4	SB2ABAA	Top Bracket	1	M, N

SB2ADAB

Swirling Side Blaster Manifold

Configuration: M, N

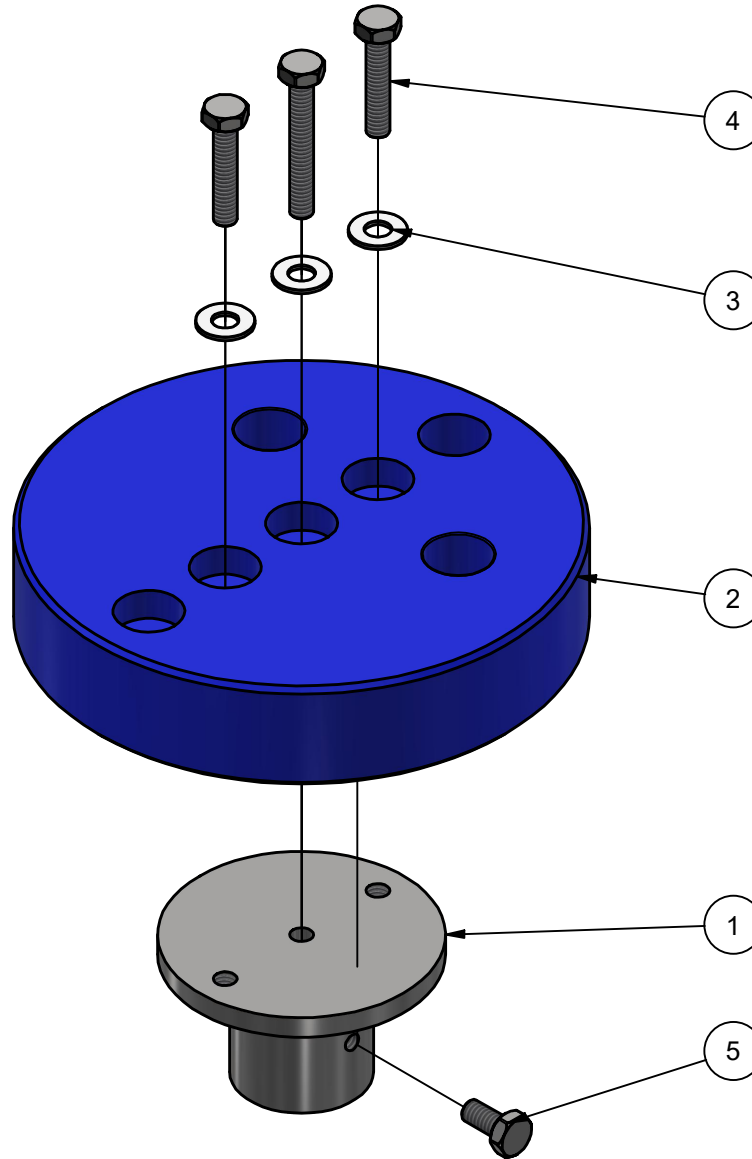


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	SB2ADABA	Swirling Side Blaster Manifold	1	M, N
2	EL90S304025	90deg Street Lbow, 1/4" NPT MalexFemale	8	M, N
3	NZ14-05E90	Nozzle - Yellow - 1/4" MNPT	8	M, N
4	WA1GD	1/2" Collar	1	M, N

SB2ABDA

Swirling Disc Assembly

Configuration: M, N

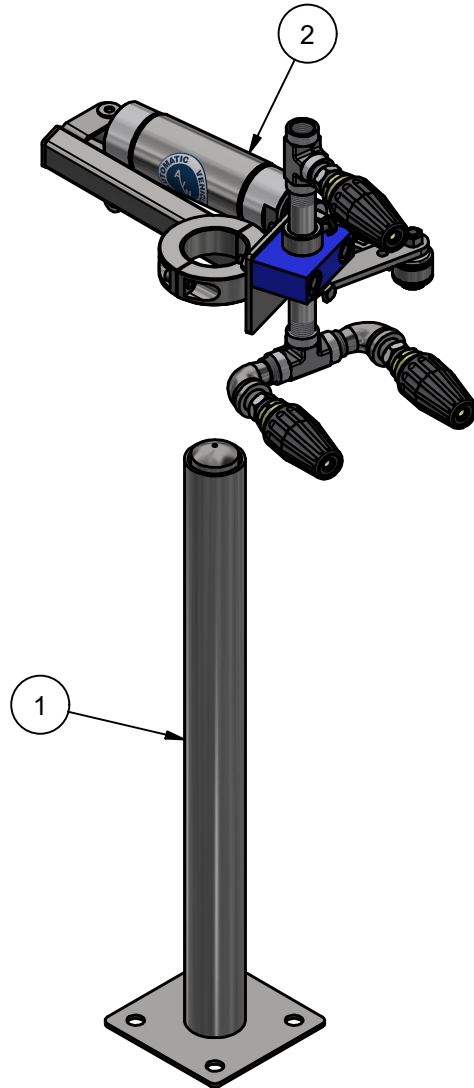


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	SB2ABDA-0806B	S. Steel Disc Bracket	1	M, N
2	SB2ABDA-0806A	UHMW D6" x 1 1/4" LG	1	M, N
3	FW14	Flat Washer 1/4" 18-8 (USS wide)	3	M, N
4	HHCS1420125	1/4" - 20 UNC x 1.25" HEX SCREW	2	M, N
5	HHCS1420050	Hex Head Cap Screw: 1/4" - 20 x 1/2"	1	M, N
6	HHCS1420175	1/4" - 20 UNC x 1 3/4" LG. HEX SCREW	1	M, N

40 of 44

Configuration: O

COMES WITH DRIVER AND PASSENGER EQUIPMENT(PASSENGER SIDE SHOWN)

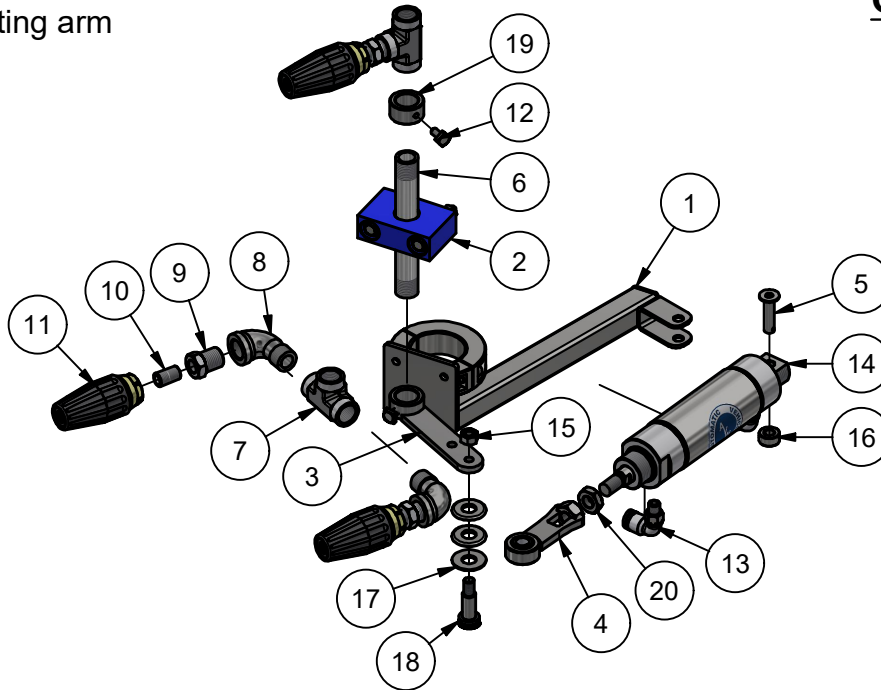


Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	WS1A	22" Stand for spinning wheel blaster	1	O
2	PWB1PA	Nozzle assembly with pivoting arm	1	O

PWB1PA

Nozzle assembly with pivoting arm

Configuration: O



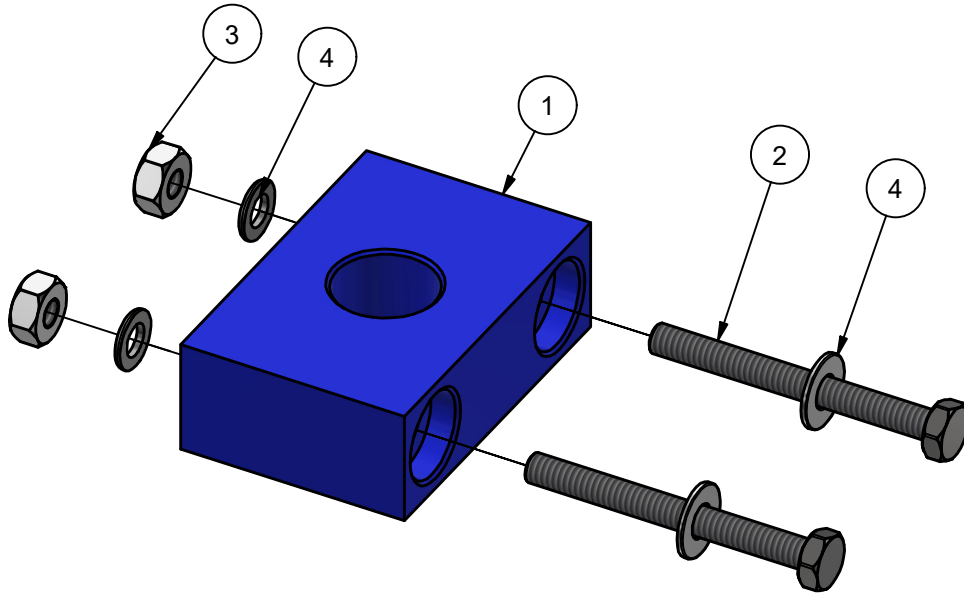
Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	PWB1ABA	Air Cylinder Mount Bracket, Pivoting Wheel Blaster	1	O
2	PWB1C2	UHMW Pivot Block with fasteners	1	O
3	PWB1-CAM	Cam Arm, Pivoting Wheel Blaster	1	O
4	BJ1-2-20	Ball Joint End Rod Female 1/2"-20	1	O
5	WA1GB	Pin 3/8"x 1-1/2" Lg.	1	O
6	NPL304050600	Nipple - 1/2" NPT x 6" LG, 40S-Welded	1	O
7	TEE304050	Female Tee - 1/2" F-NPT x 1/2" F-NPT x 1/2" F-NPT	2	O
8	EL90S304050	Elbow-90Deg Street, 1/2" NPT, 150# SS 304	2	O
9	RB304050X025	Reducer Bushing(Hex): 1/2"X1/4" NPT, 150# SS 304	3	O
10	NPL304025CLS	Nipple, 1/4" x Close TBE, NPT SS 304, Sch. 40, Welded	3	O
11	PWB1-TN3600-8	Nozzle (Turbo), for pivoting Wheel Blaster	3	O
12	SQHS1420050	1/4" - 20 x 0.5" UNC Square Screw	2	O
13	APF3814-EL90	3/8"x1/4" MNPT Elbow Air Push Fitting	2	O
14	AC2x3	Air Cylinder 2" x 3"	1	O
15	HN3816	Hex Nut: 3/8"-16, SS	1	O
16	WA1FC	3/8" Set Screw Collar	1	O
17	FW12	1/2" Flat Washer	3	O
18	SSSB12100	Shoulder Bolt: 1/2" x 1" LG thread SS	1	O
19	CLRSS084X125X067	1 1/4" Shaft, .675" LG	1	O
20	JN1220	Jam Nut: 1/2-20, SS	1	O

42 of 44

PWB1C2

UHMW Pivot Block with fasteners

Configuration: O



Parts List				
ITEM	PART NUMBER	DESCRIPTION	QTY	ID
1	PWB1C2A	UHMW Pivot Block 1"x3"x2"LG	1	O
2	HHCS1420250	1/4"-20 x 2 1/2" L Hex Screw	2	O
3	HN1420	Hex Nut 1/4"-20, SS	2	O
4	FW14	Flat Washer: 1/4"	4	O

REVISION HISTORY				
REV	ECN #	DESCRIPTION	DATE	INITIALS
A	Initial Release		04/29/2025	AA