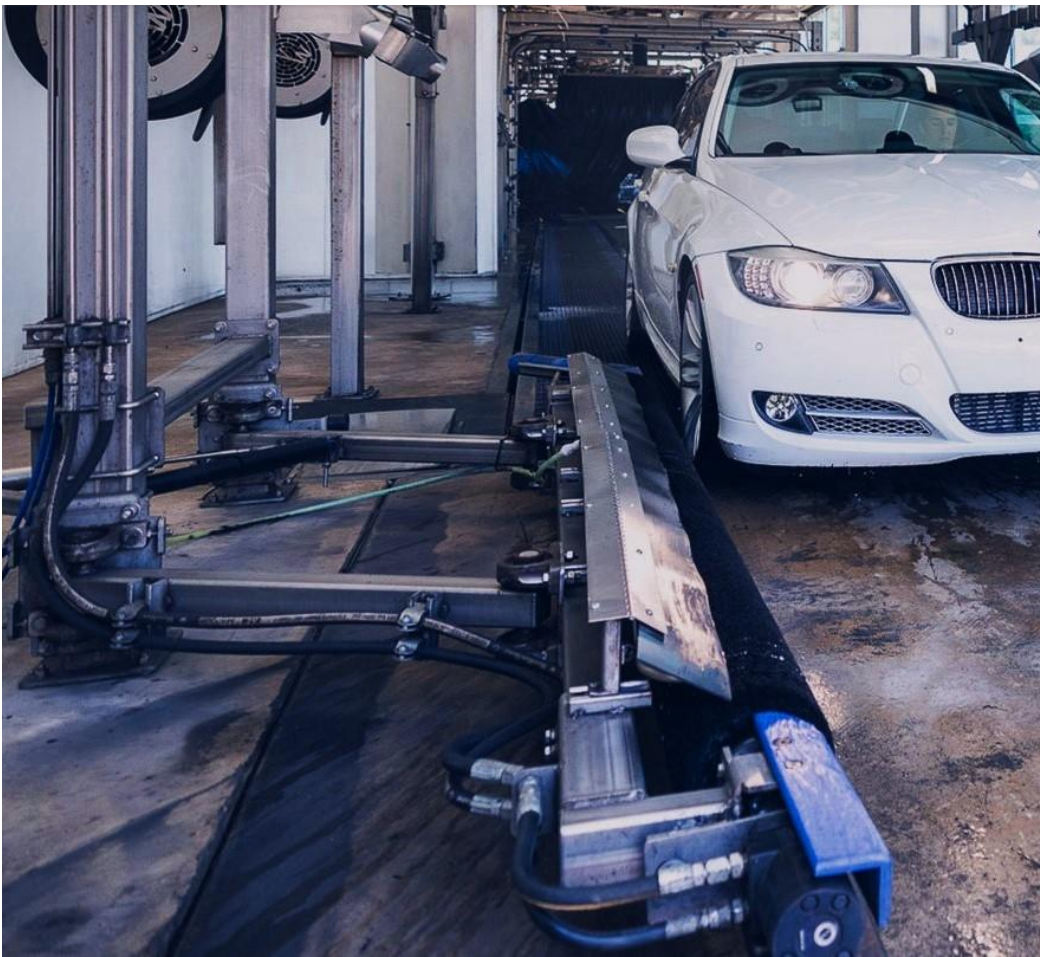


# Tire Dressing Applicator

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## TB Manual



### Owner's Manual

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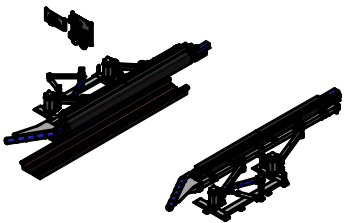
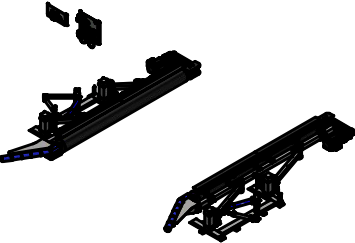
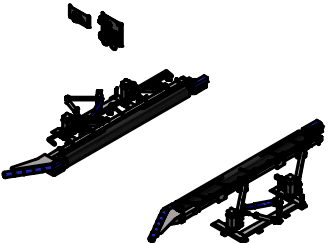
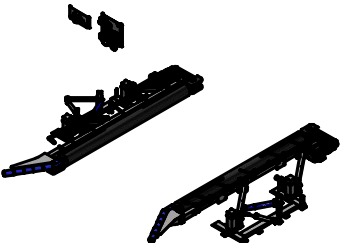
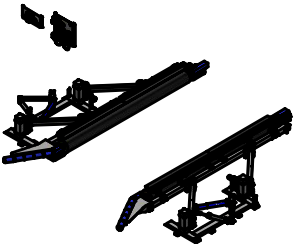
## APPLICATION BRIEFING

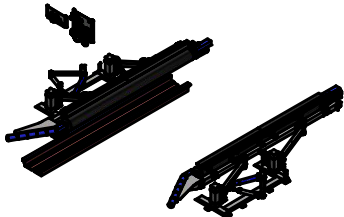
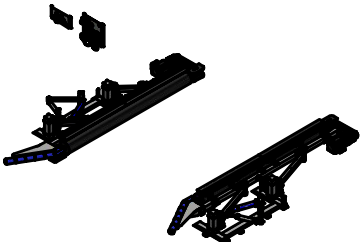
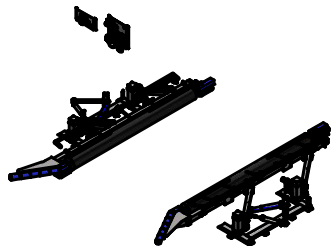
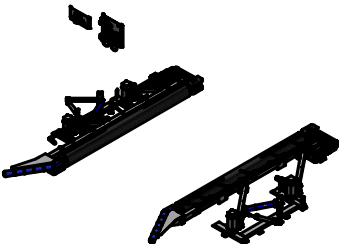
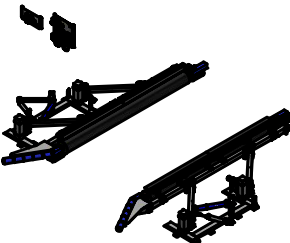
The Tire Dressing Applicator is designed to apply tire dressing to the black wall of a tire. The frame work is that of a tire brush with cloth being substituted for bristle. Tire dressing is pumped from the drum to a manifold which is then sprayed to the cloth which is then transferred to the tire.

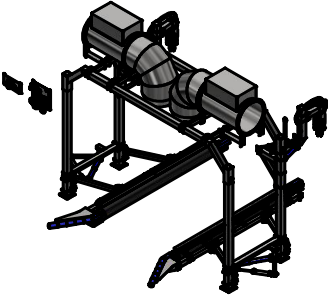
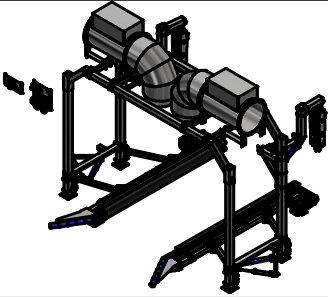

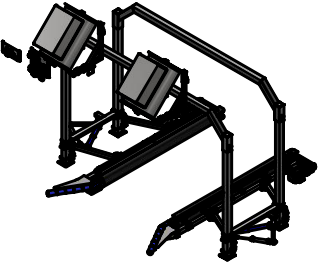
- Parallelogram design
- Cloth or feather tip bristle
- Automatic value-added service item
- Models available for belt and roller conveyors

SPECIFICATIONS	
Description	Value(s)
EQUIPMENT LENGTH	Driver Side: 151.8" / Passenger Side: 151.5"
EQUIPMENT WIDTH	Driver Side: 15.8" / Passenger Side: 15.8"
-----HYDRAULIC MOTOR-----	-
DISPLACEMENT	195cc
PORT SIZE	1/2-14 NPTF
MAX SPEED	287 rev/min
MAX SUPPLY PRESSURE	190 Bar
-----ELECTRIC MOTOR-----	-
POWER	1.5 HP
VOLTAGE	230/460
CURRENT	4.60/2.30
GEARBOX RATIO	22.32:1

### CONFIGURATIONS

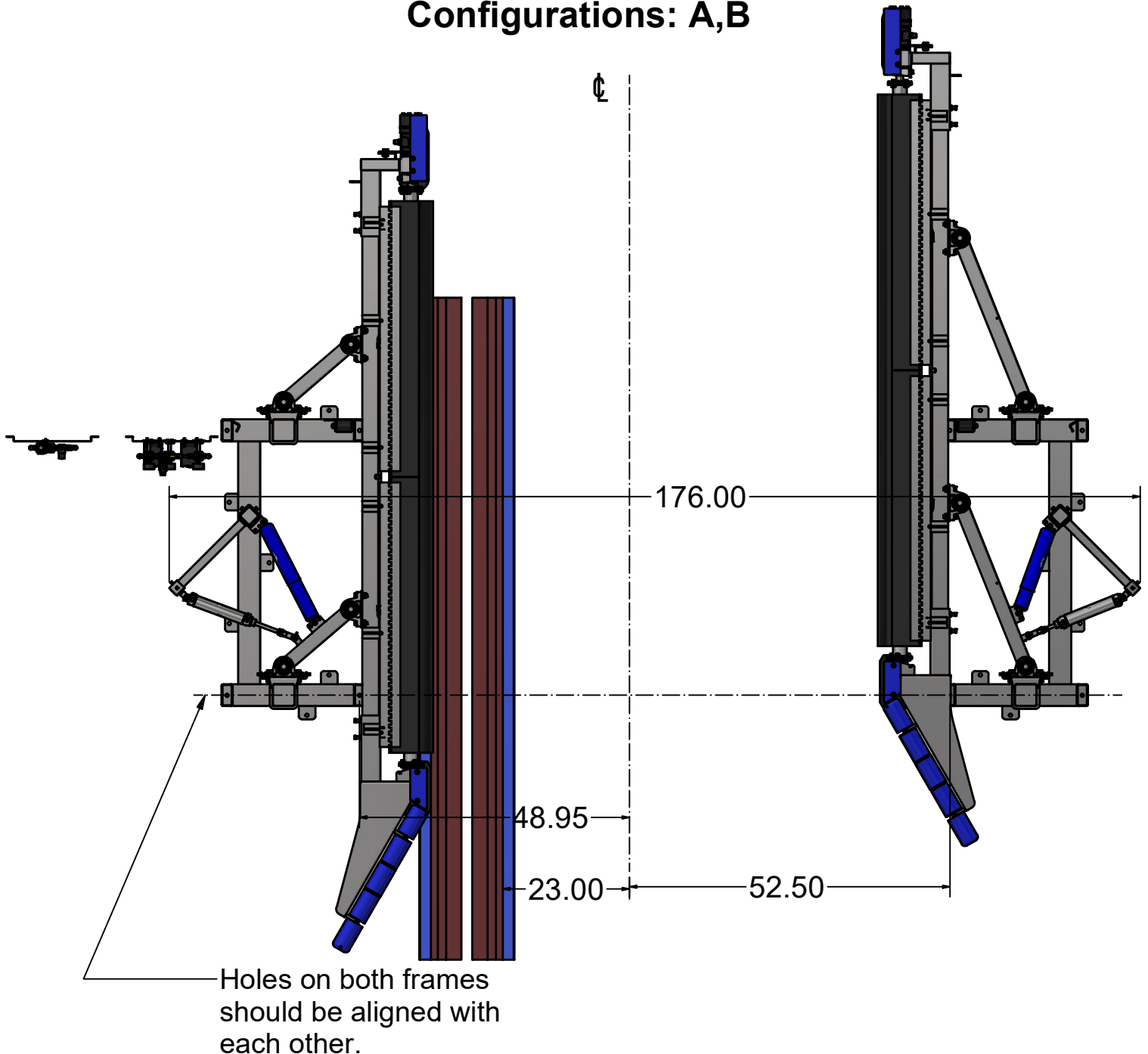
CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	TB2	Tire Dressing Applicator, Hydraulic Drive, Applicator Manifold, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	A	5,10-17,20-32
	TB2-EL	Tire Dressing Applicator, Electric, Applicator Manifold, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	B	5,10-15,18-32
	TB2-1120	Tire Dressing Applicator, including Poly Carb Sling Shield, Single Manifold with 8 - Check Valves, Spray Nozzles, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	C	6,10-17,20-32
	TB2-1120-EL	Tire Dressing Applicator, Electric, including Poly Carb Sling Shield, Single Manifold with 8 - Check Valves, Spray Nozzles, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	D	6,10-15,18-32
	TB3	Tire Dressing Applicator, with Long Arms and Push Bar on Driver Side, for 30" Belt Conveyor, including Applicator Manifolds, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	E	7,10-17,20-32

CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	TB3-EL	Tire Dressing Applicator, Electric, with Long Arms and Push Bar on Driver Side, for 30" Belt Conveyor, including Applicator Manifolds, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	F	7,10-15,18-32
	TB3-1120	Tire Dressing Applicator, with Long Arms and Push Bar on Driver Side, for 30" Belt Conveyor, including Poly Carb Sling Shield, Single Manifold with 8 - Check Valves, Spray Nozzles, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	G	7,10-17,20-32
	TB3-1120-EL	Tire Dressing Applicator, Electric, with Long Arms and Push Bar on Driver Side, for 30" Belt Conveyor, including Poly Carb Sling Shield, Single Manifold with 8 - Check Valves, Spray Nozzles, Dual Flojet Pump Panel, Retract System with Air Control Panel & Air Cylinders, Roller Style Bumper Wings and UHMW Motor Covers.	H	8,10-15,18-32
	TB4	Tire Shiner, Leg Mount, for Attachment to Finishing Module Arch Base with Long Arms and Push Bar on Driver Side for 30" Belt Conveyor, including Tire Washer Retract Kit with Air Control Panel and Dual Flojet Panel.	I	9,10-17,20-32
	TB4-EL	Tire Shiner, Electric Drive, Leg Mount, for Attachment to Finishing Module Arch Base with Long Arms and Push Bar on Driver Side for 30" Belt Conveyor, including Tire Washer Retract Kit with Air Control Panel and Dual Flojet Panel.	J	9,10-15,18-32

CONFIGURATIONS				
Model	Part Number	Description	ID	Page No.
	FM1	Finishing Module, Dual Top Direct-Fired Heated Dryers with Side Microfiber Glass and Mirror Wiper Brushes and Tire Diressing Applicator Hydraulic Drive	K	33-35,39-41
	FM1-EL	Finishing Module, Dual Top Direct-Fired Heated Dryers with Side Microfiber Glass and Mirror Wiper Brushes and Tire Diressing Applicator Electric Drive.	L	33-35,39-41
	FM1-6419	Finishing Module, Dual Top Direct-Fired Heated Dryers 45° Angle with Tire Diressing Applicator Hydraulic Drive.	M	36-39,42-43
	FM1-EL-6419	Finishing Module, Dual Top Direct-Fired Heated Dryers 45° Angle with Tire Diressing Applicator Electric Drive.	N	36-39,42-43

### DIMENSIONS

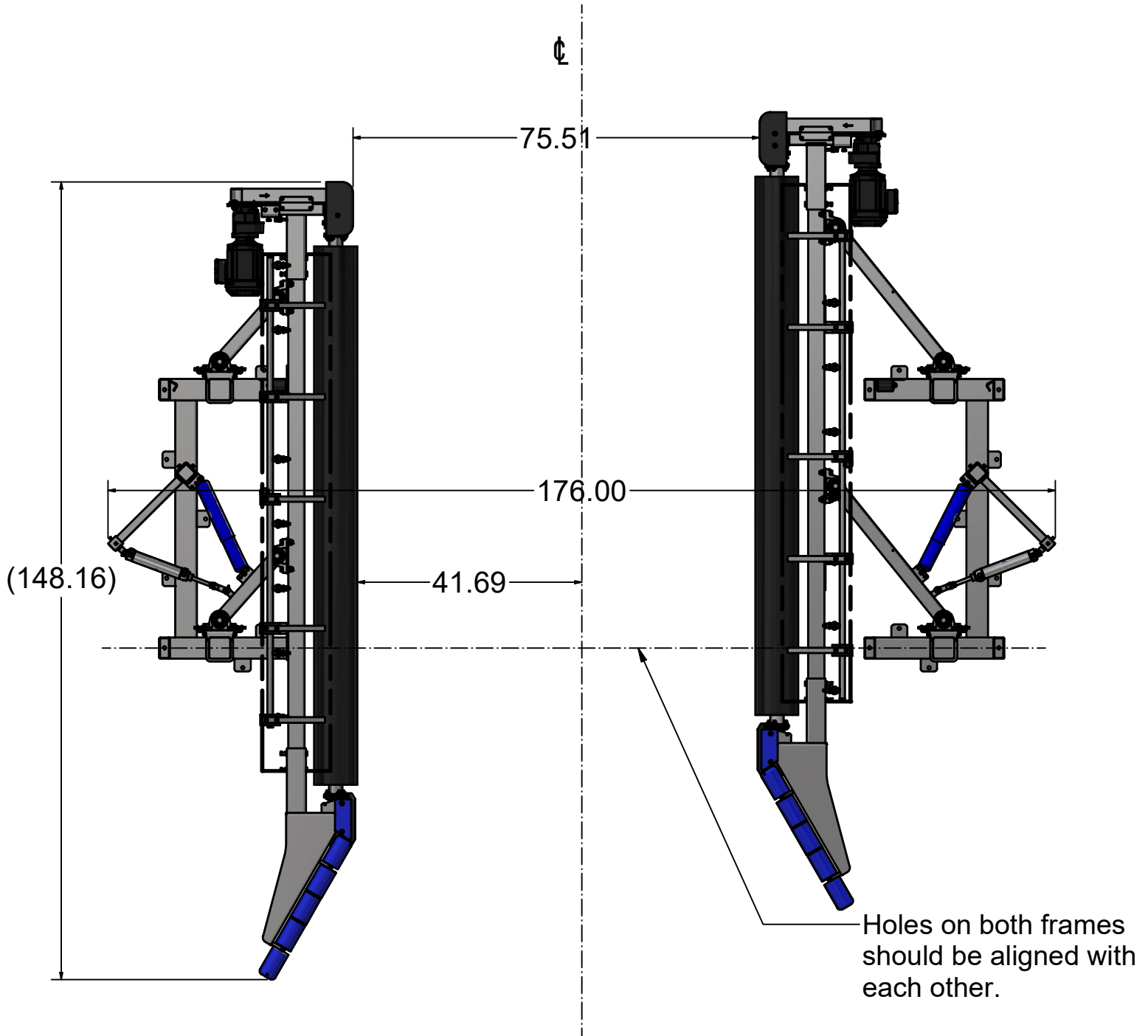
Configurations: A,B



For Configuration B (TB2-EL), Hydraulic motor will be replaced with an Electric Motor

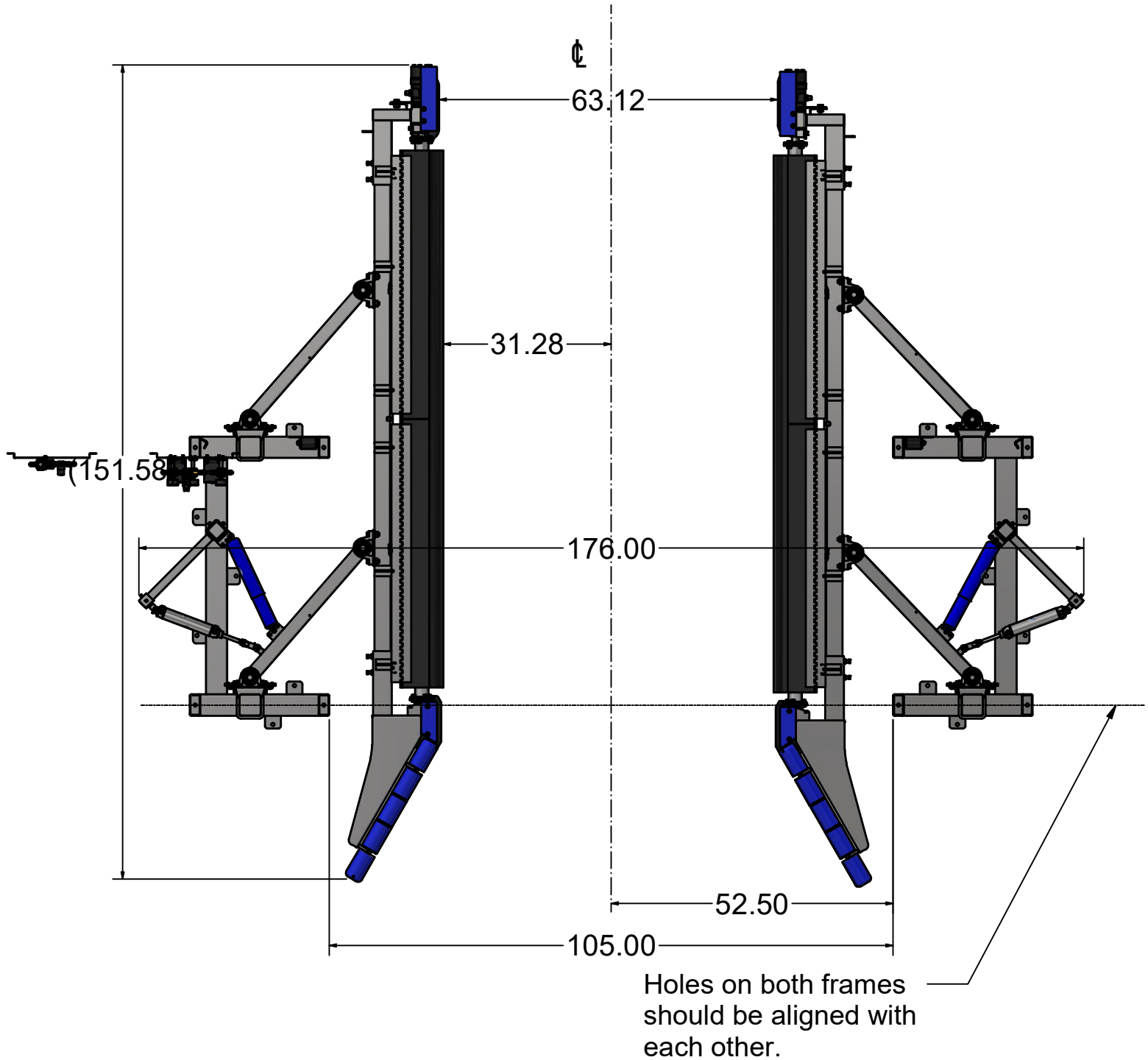
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### Configurations: C,D



For Configuration C (TB2-1120), Electric motor will be replaced with a Hydraulic Motor

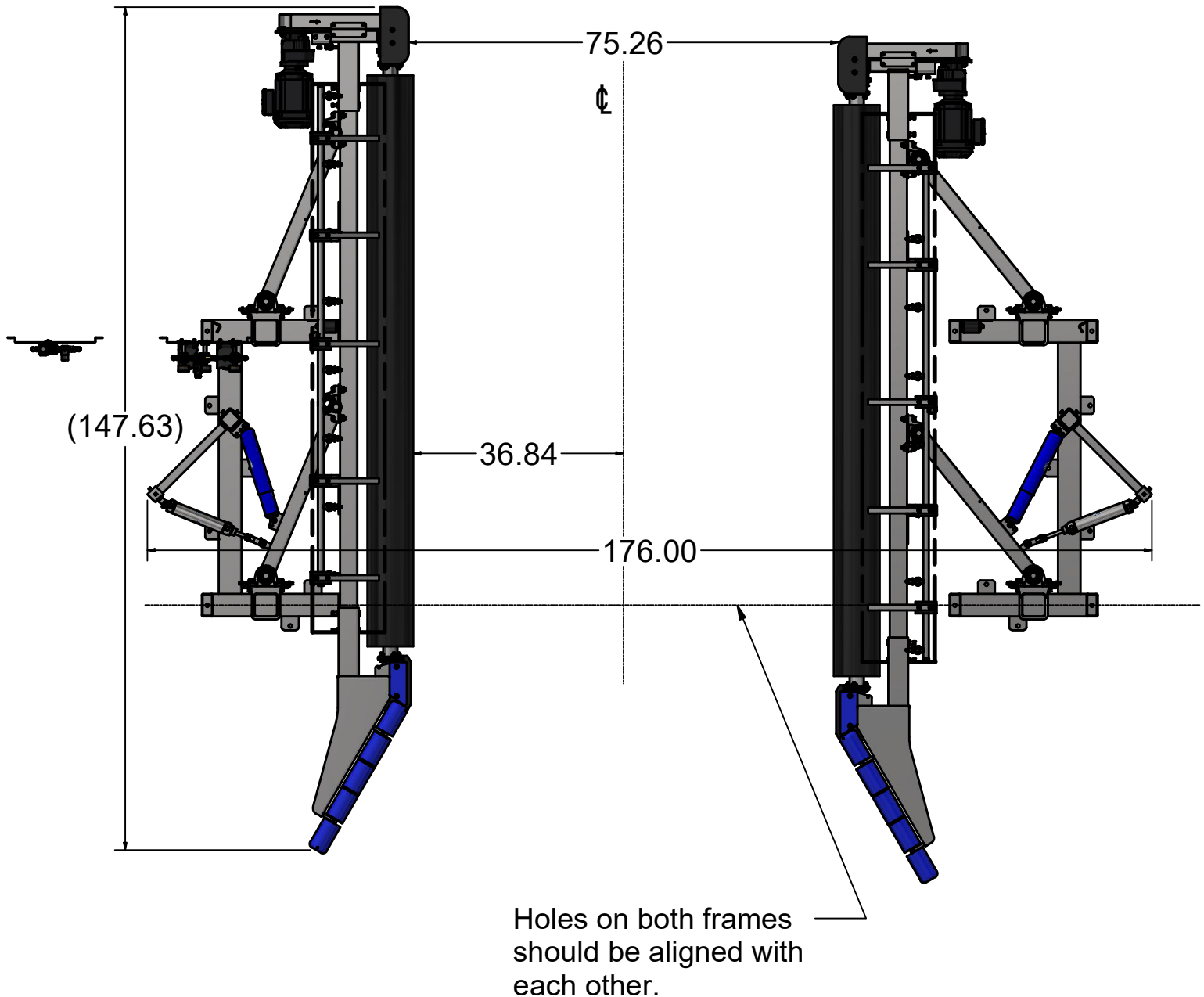
### Configurations: E,F



For Configuration F (TB3-EL), Hydraulic motor will be replaced with an Electric Motor

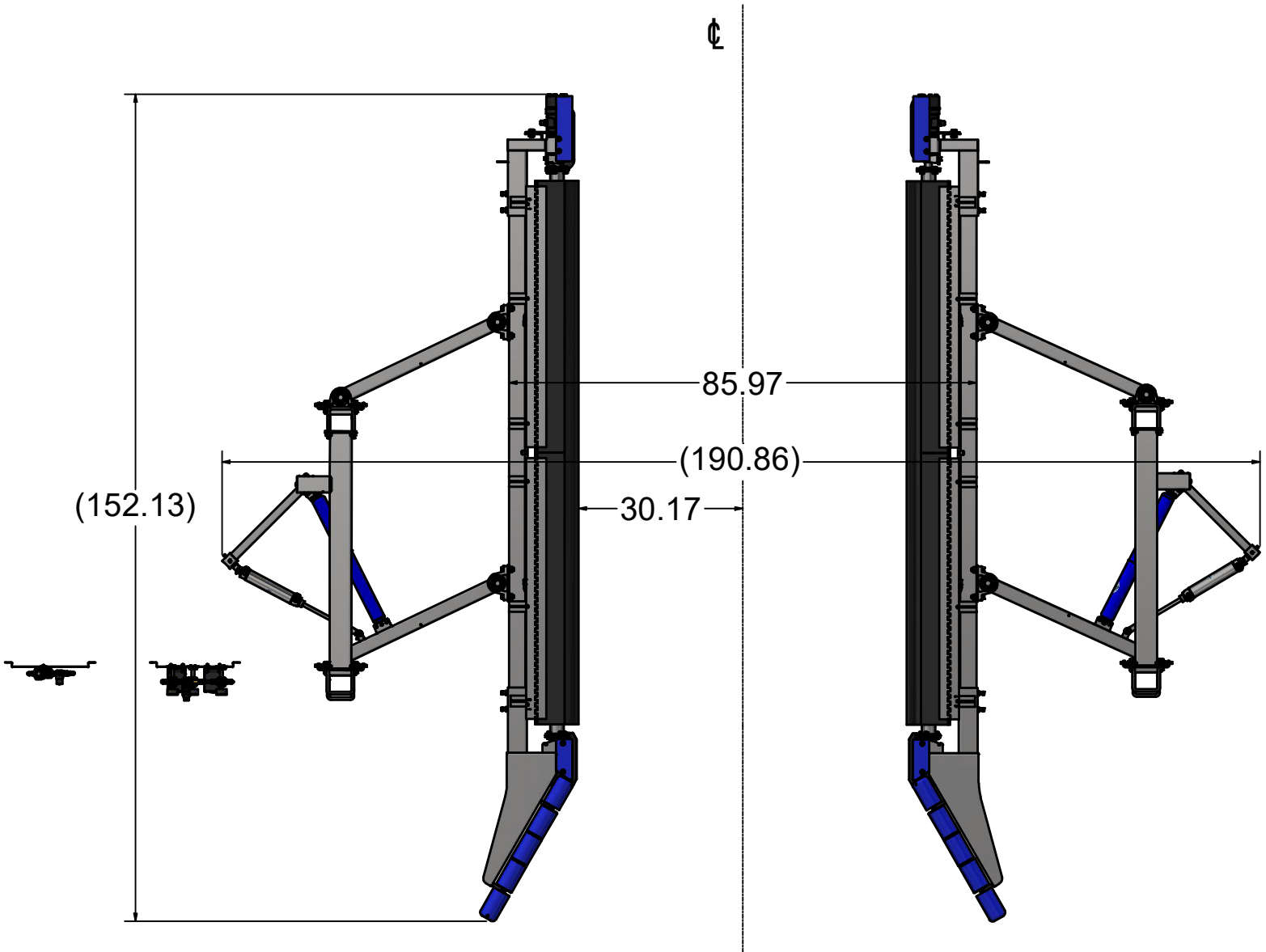
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### Configurations: G,H



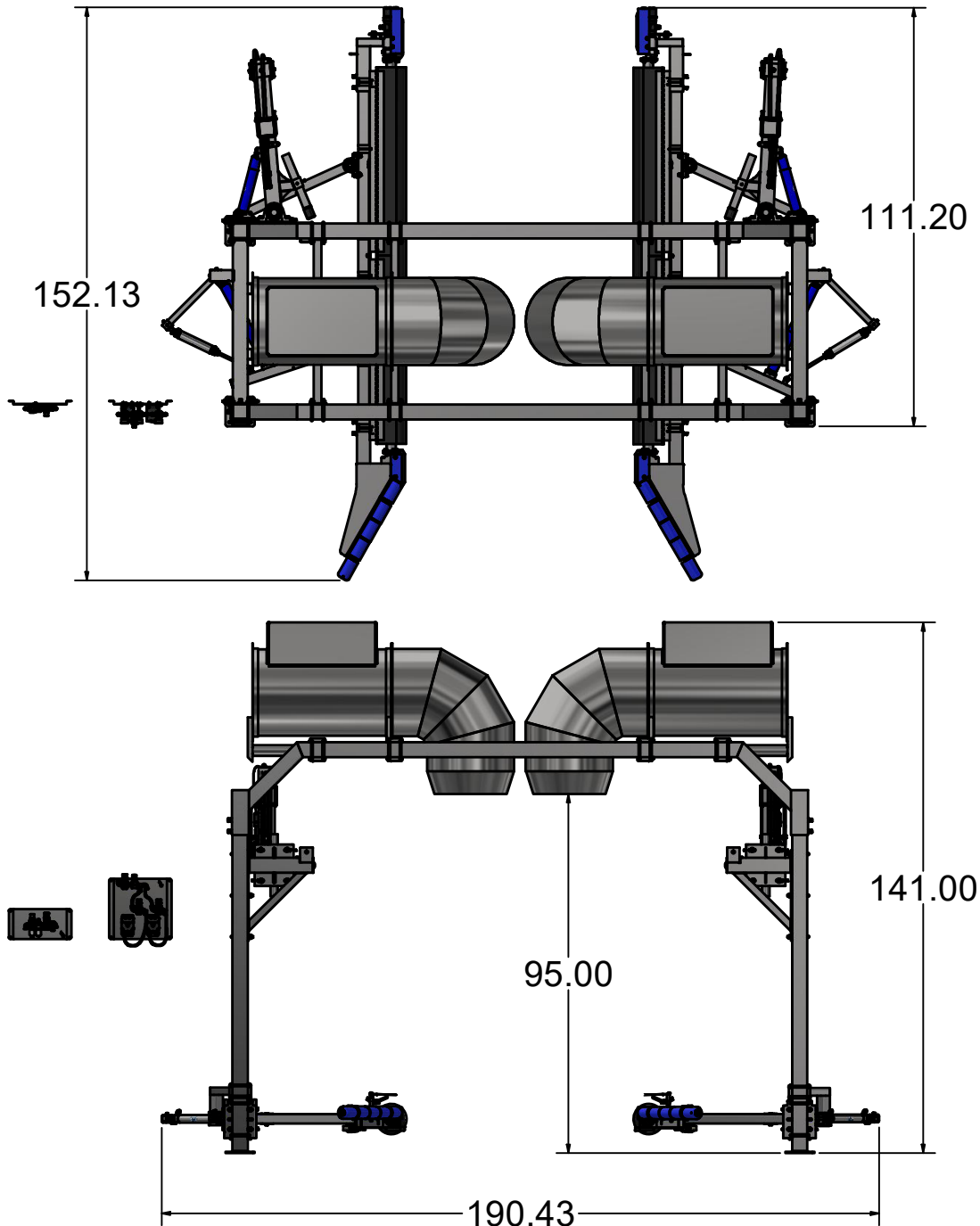
For Configuration G (TB23-1120), Electric motor will be replaced with a Hydraulic Motor

### Configurations: I,J



For Configuration J (TB4-EL), Hydraulic motor will be replaced with an Electric Motor

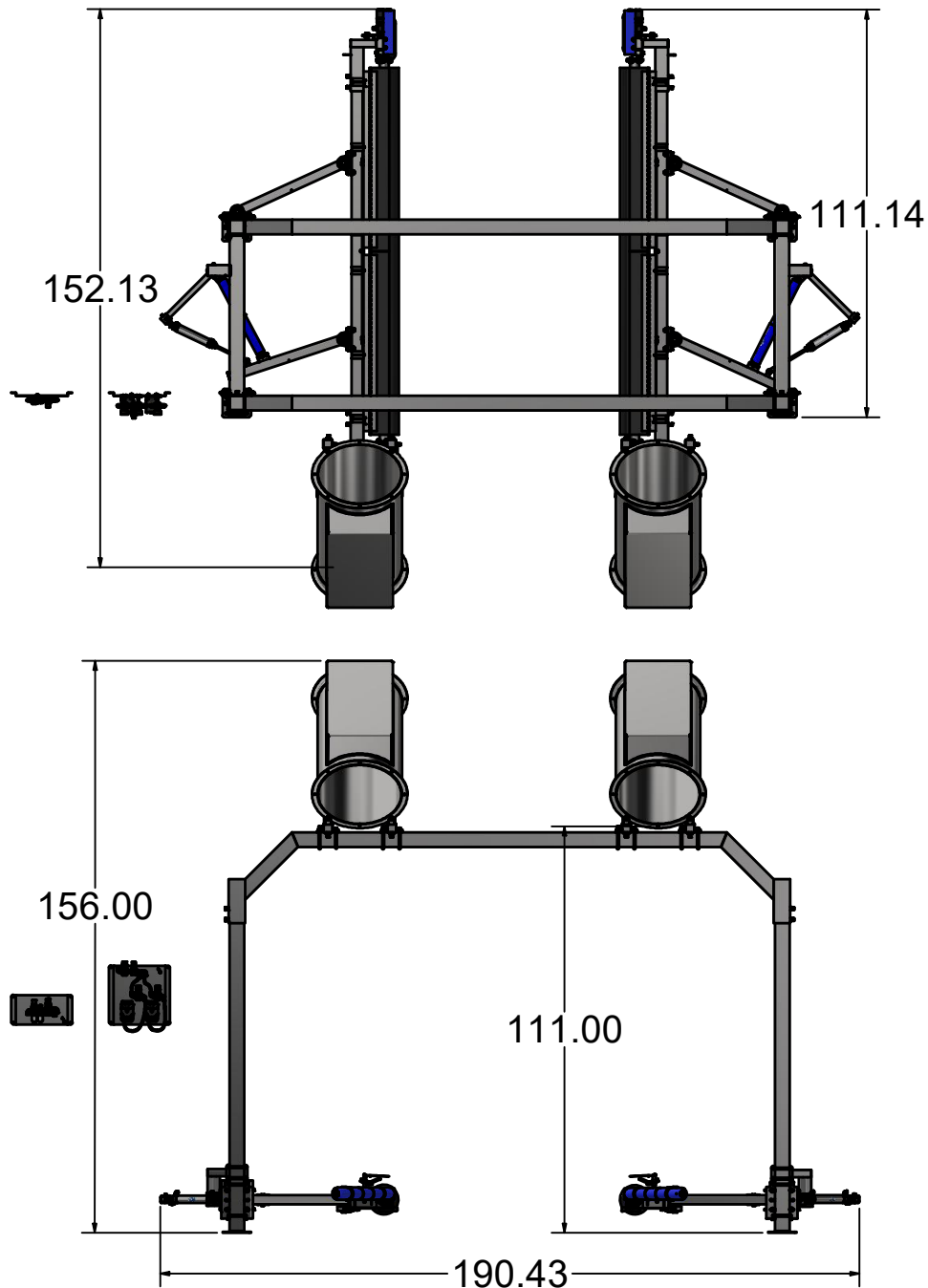
### Configurations: K,L



For Configuration L (FM1-EL), Hydraulic motor will be replaced with an Electric Motor.  
Tire Dressing Applicator Part Number TB4 and TB4-EL is used in configuration K,L,M,N.

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### Configurations: M,N



For Configuration M (FM1-EL-6419), Hydraulic motor will be replaced with an Electric Motor. Tire Dressing Applicator Part Number TB4 and TB4-EL is used in configuration K,L,M,N.

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## INSTALLATION

### Tools and Equipment Needed:

1. Standard hand tools (e.g., wrenches, screwdrivers, and pliers).
2. Drill with appropriate bits for mounting
3. Level and measuring tape.
4. Hydraulic oil and chemical pumps as specified.
5. Electrical and pneumatic connections as listed in the parts.

### Step 1: Site Preparation

1. Ensure the installation site meets specifications:
  - Chain and Roller Conveyor or Dual Belt Conveyor compactibility.
  - Access to power and air connections.
2. Clean the area and verify no obstructions in the workplace

### Step2: Assemble Frame Components

1. Position the Driver Frame Assembly and Passenger Frame Assembly on each side of the conveyor.
2. Align the holes on both frames with mounting points on the conveyor.
3. Secure Frames using provided bolts and washes. For Torque recommendations, please follow the table in Page 34.

### Step 3: Install Brush Assemblies

1. Attach the Driver Brush Assembly to the frame using it's mounting points. Follow the same procedure for the Passenger Brush Assembly.
2. Ensure feather-tipped bristle brushes are properly aligned for accurate dosing of tire dressing.

### Step 4: Connect Hyrdraulic Components

1. Connect the hydraulic motor to the brush drive assemblies using the provided fittings and connectors.
2. Tighten all fittings to avoid leaks.
3. Fill the hydraulic system with appropriate oil and check for smooth operation.

### Step 5: Attach Air Pumping Station

1. Install the Air Pumping Station near the applicator frames.
2. Connect air tubing as specified:
  - Use the appropriate lengths and secure with push-connect fittings
3. Mount the air regulator and solenoid valve.

### Step 6: Configure Eletrical Components

1. Mount the Air Control Panel (WA1P-120V) near the applicator.
2. Connect the electrical cable (CBL18G-3WIRES-028) to power the panel.
3. Link the directional valve (4WDV1-4VL-F-120V) to the air control system.

### Step 7: Install Manifold Assembly

1. Attach the Tire Dressing Manifold Assembly (TB2M) to the system.
2. Position manifold covers and holders (e.g., TB3AAD) for protection.
3. Check all hoses and connectors for alignment and secure them.

### Step 8: Calibration and Testing

1. Adjust the bristle brushes to ensure they properly contact tires of all sizes.
2. Test the independent chemical pumps for even chemical distribution on both sides.

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

3. Verify retract controls are working and adjust the air pressure to specification.

### Step 9: Final Inspection

1. Recheck all bolts, nuts, and connections.
2. Perform a test run of the tire dressing applicator with the conveyor operational.
3. Ensure safety guards and bumpers (e.g., TB3AABC) are in place.

### Step 10: Handover and Maintenance

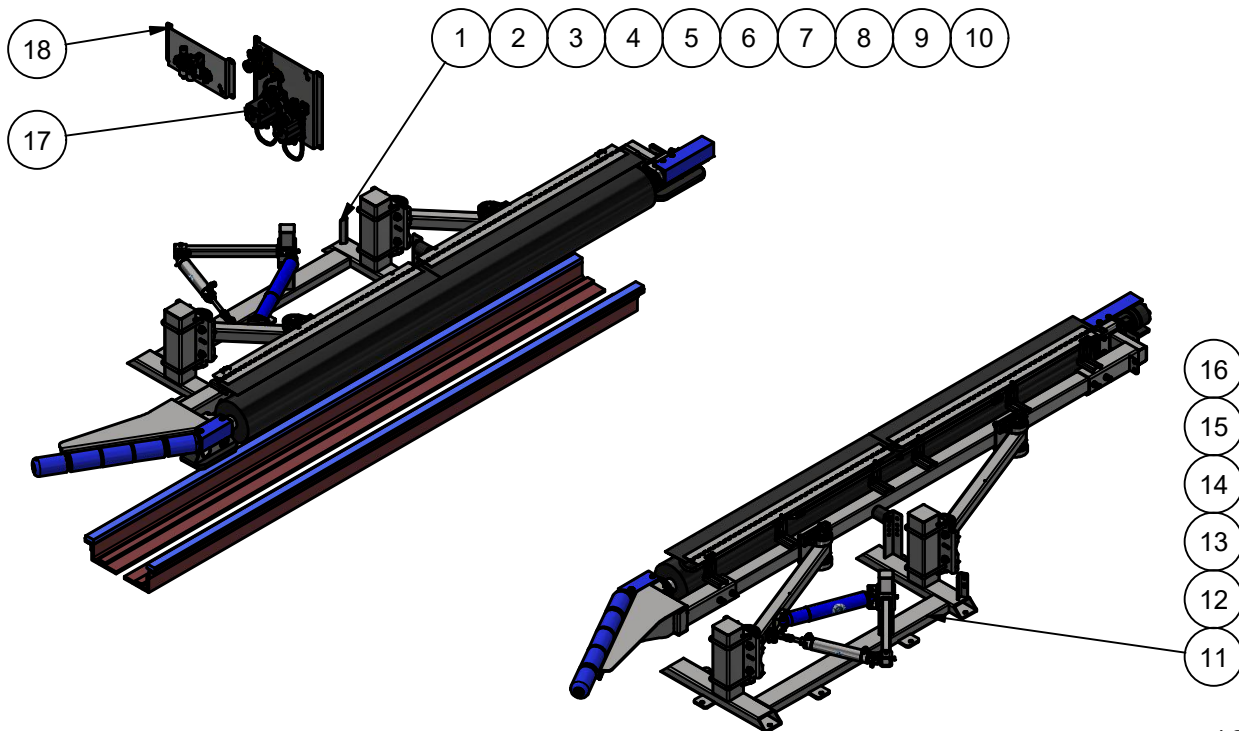
1. Provide training on operating and maintaining the TB2 system.
2. Share contact information for technical support (techsupport@avwequipment.com).

### **MAINTENANCE**

- 1) Grease Bearings on a weekly basis. Make sure that grease should not protrude externally.
- 2) Replace shock absorbers every 6 months.
- 3) Recommended to clean manifolds daily to avoid dirt mix up.
- 4) When the brushes start showing the yellow brizzles, it is advised to replace the brushes.
- 5) Recommended to clean the brushes on a monthly basis.

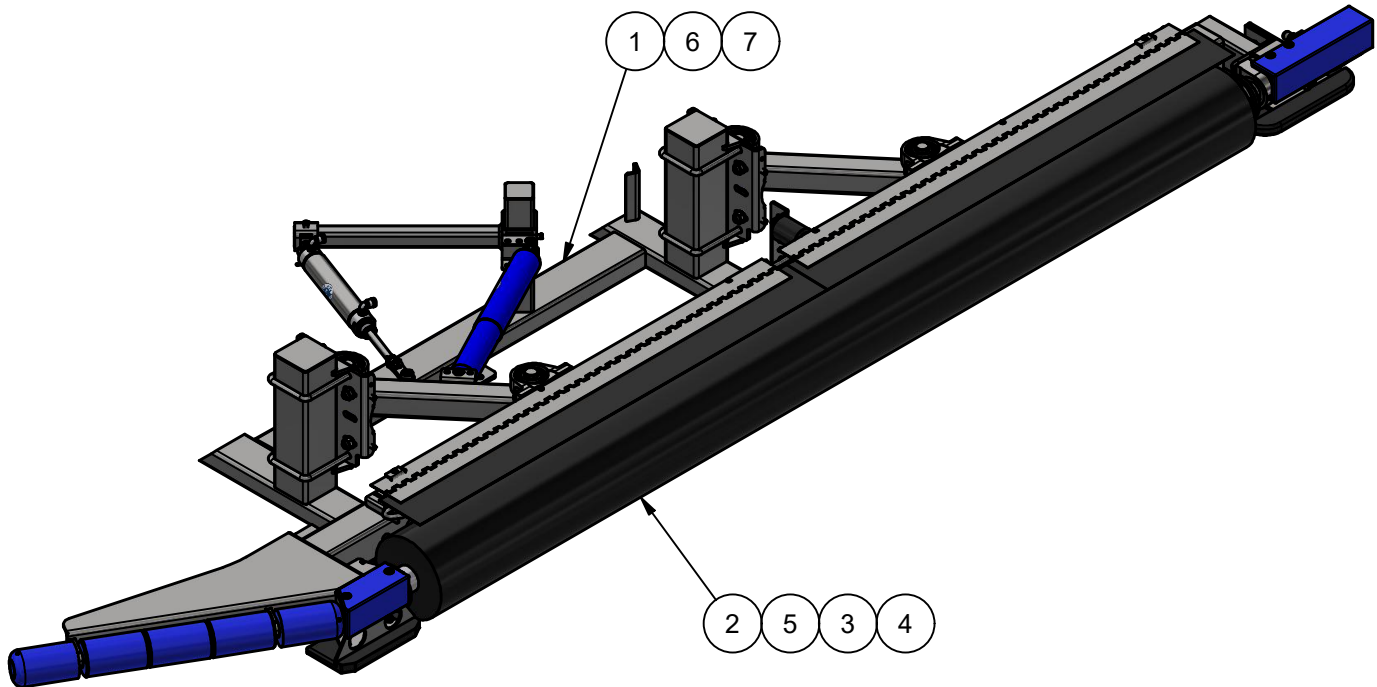
### TIRE DRESSING APPLICATOR - TOP LEVEL ASSEMBLIES

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB2A	1	Tire Dressing Applicator [Driver][Hydraulic]	A
2	TB2A-EL	1	Tire Dressing Applicator [Driver][Electric]	B
3	TB2A-1120	1	Tire Dressing Applicator [Driver][Hydraulic]	C
4	TB2A-1120-EL	1	Tire Dressing Applicator [Driver][Electric]	D
5	TB3A	1	Tire Dressing Applicator [Driver][Hydraulic]	E
6	TB3A-EL	1	Tire Dressing Applicator [Driver][Electric]	F
7	TB3A-1120	1	Tire Dressing Applicator [Driver][Hydraulic]	G
8	TB3A-1120-EL	1	Tire Dressing Applicator [Driver][Electric]	H
9	TB4A	1	Tire Dressing Applicator [Driver][Hydraulic]	I
10	TB4A-EL	1	Tire Dressing Applicator [Driver][Electric]	J
11	TB3B	1	Tire Dressing Applicator [Passenger Side][Hydraulic]	A,E
12	TB3B-EL	1	Tire Dressing Applicator [Passenger Side][Electric]	B,F
13	TB3B-1120	1	Tire Dressing Applicator [Passenger Side][Hydraulic]	C,G
14	TB3B-1120-EL	1	Tire Dressing Applicator [Passenger Side][Electric]	D,H
15	TB4B	1	Tire Dressing Applicator [Passenger Side][Hydraulic]	I
16	TB4B-EL	1	Tire Dressing Applicator [Passenger Side][Electric]	J
17	APS1-2F-902	1	Air Pumping Station W/2 Flojet Pumps	All Configurations
18	WA1P-120V	1	Panel (Air Control)-120VAC, with 4 way Directional Valve	All Configurations



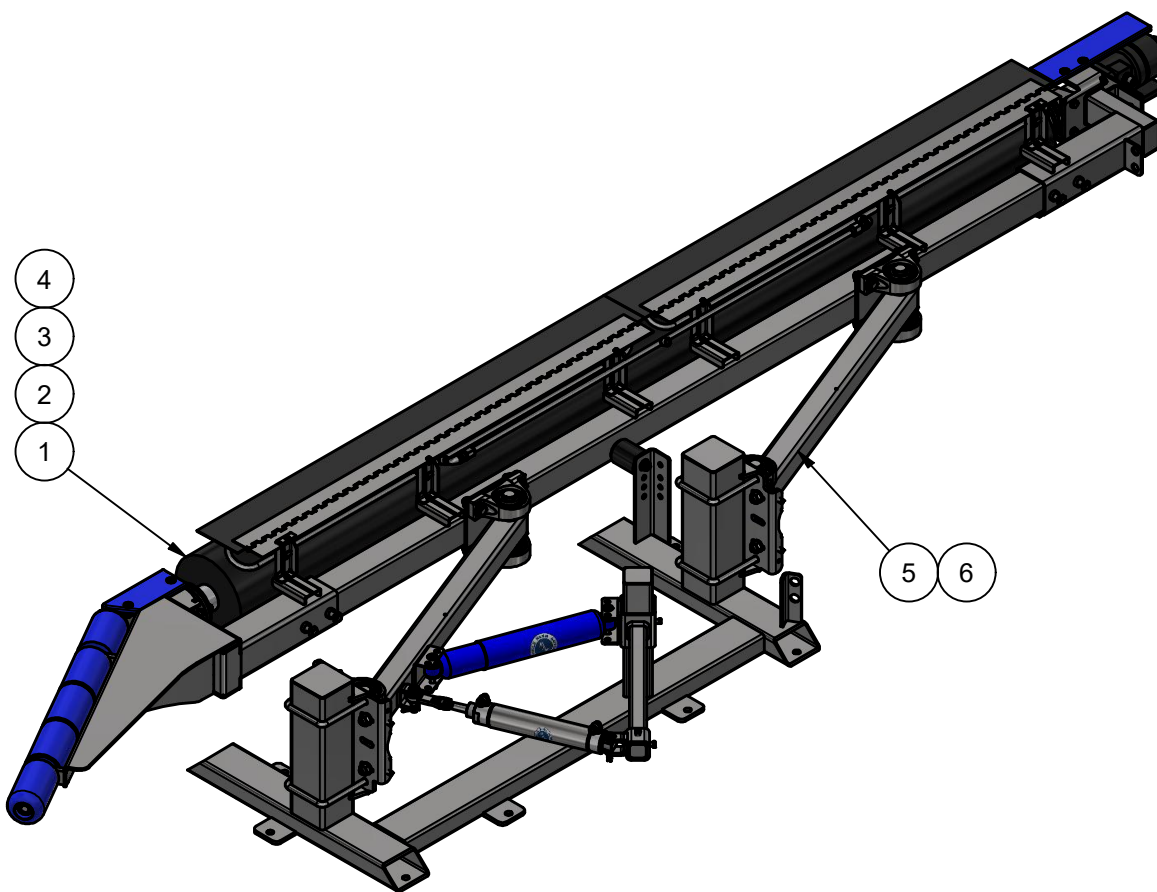
### TIRE DRESSING APPLICATOR - DETAIL ASSEMBLIES

Parts List-Hydraulic/Electric Driver Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB2AB	1	Tire Dressing Frame Assembly [Driver]	A,B,C,D
2	TB3AA	1	Tire Dressing Brush Assembly [Driver][Hydraulic]	A,E,I
3	TB3AA-1120	1	Tire Dressing Brush Assembly [Driver][Hydraulic]	C,G
4	TB3AA-1120-EL	1	Tire Dressing Brush Assembly [Driver][Electric]	D,H
5	TB3AA-EL	1	Tire Dressing Brush Assembly [Driver][Electric]	B,F,J
6	TB3AB	1	Tire Dressing Frame Assembly [Driver]	E,F,G,H
7	TB4AB	1	Tire Dressing Frame Assembly [Driver]	I,J



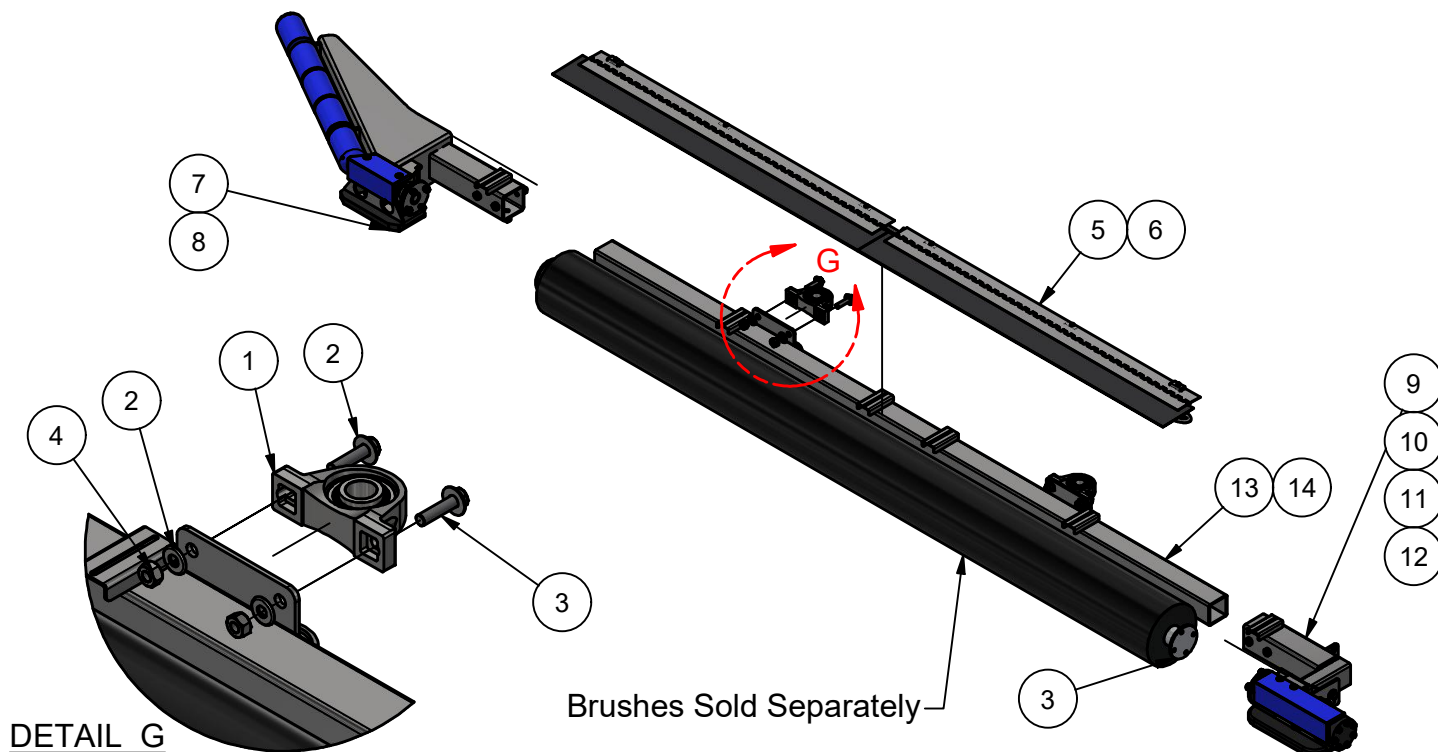
Tire Dressing Applicator Driver Side

Parts List- Hydraulic/Electric				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB3BA	1	Tire Dressing Brush Assembly [Passenger][Hydraulic]	A,E,I
2	TB3BA-1120	1	Tire Dressing Brush Assembly [Passenger][Hydraulic]	C,G
4	TB3BA-1120-EL	1	Tire Dressing Brush Assembly [Passenger][Electric]	D,H
3	TB3BA-EL	1	Tire Dressing Brush Assembly [Passenger][Electric]	B,F,J
5	TB3BB	1	Tire Dressing Frame Assembly [Passenger]	A,B,C,D,E,F,G,H
6	TB4BB	1	Tire Dressing Frame Assembly [Passenger]	I,J



Tire Dressing Applicator Passenger Side

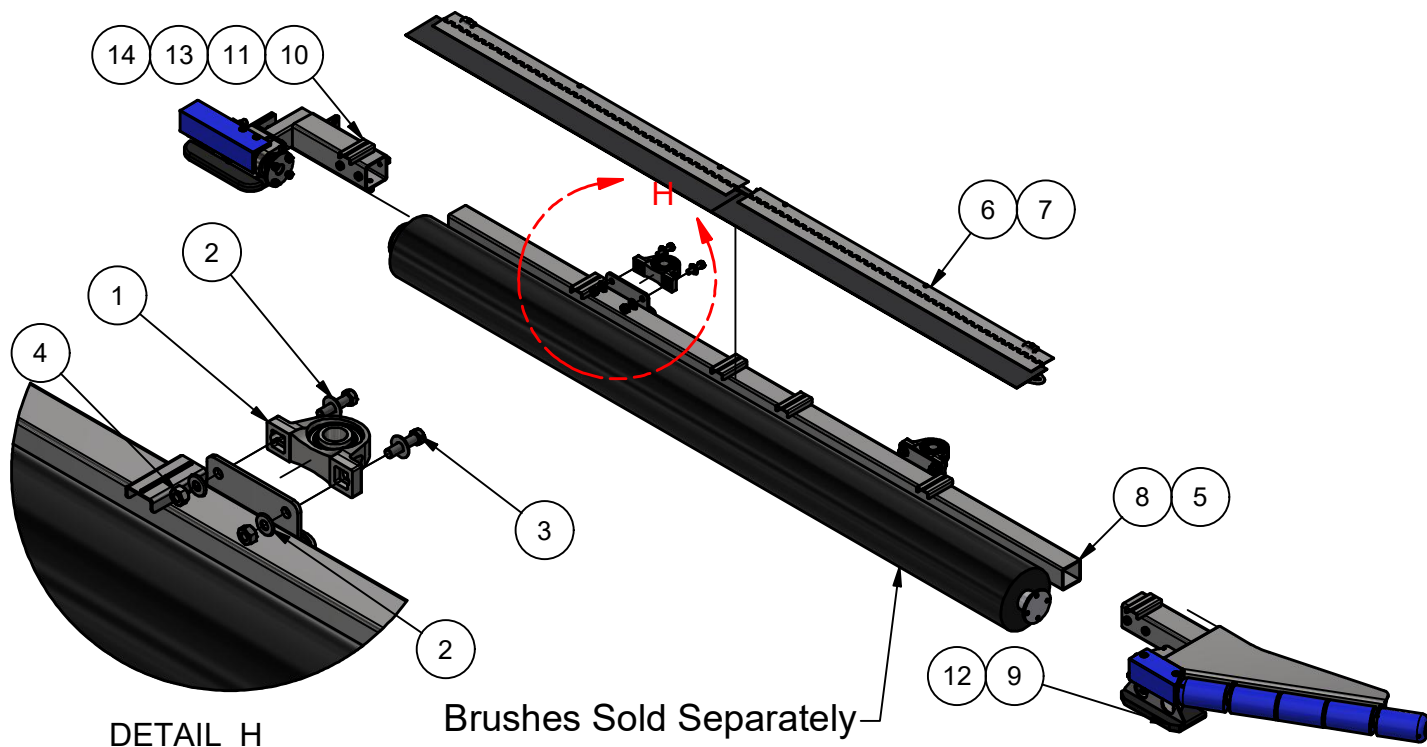
Parts List - Hydraulic/Electric Driver Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-RB1WB-TB1WC-SS	4	1-1/4" Pillow Block	All Configurations
2	FW12	16	1/2" Flat Washer	All Configurations
3	HHCS1213200F	8	1/2"-13 x 2" L Hex Screw	All Configurations
4	HN1213	8	Hex Nut, 1/2-13, SS	All Configurations
5	TB2M	1	Tire Dressing Applicator Manifold Assembly Kit with Black PVC Cover	A,B,E,F,I,J
6	TB2MA-0417	1	Tire Dressing Applicator Manifold Assembly Kit with Polycarb Sling Shield	C,D,G,H
7	TB3AAA	1	Push Bar Assembly [Driver]	A,B,E,F,I,J
8	TW2AAA	1	Push Bar Assembly [Driver]	C,D,G,H
9	TB3AAB	1	Brush Drive Assembly [Driver - Hydraulic]	A,E,I
10	TB3AAB-EL	1	Brush Drive Assembly [Driver - Electric]	B,F,J
11	TW2AAB	1	Brush Drive Assembly [Driver - Hydraulic]	C,G
12	TW2AAB-EL	1	Brush Drive Assembly [Driver - Electric]	D,H
13	TB3AAC	1	Brush Support Frame	A,B,E,F,I,J
14	R-TB4AAC	1	Brush Support Frame	C,D,G,H



Tire Dressing Applicator Brush Assembly Driver Side

Parts List - Hydraulic/Electric Passenger Side

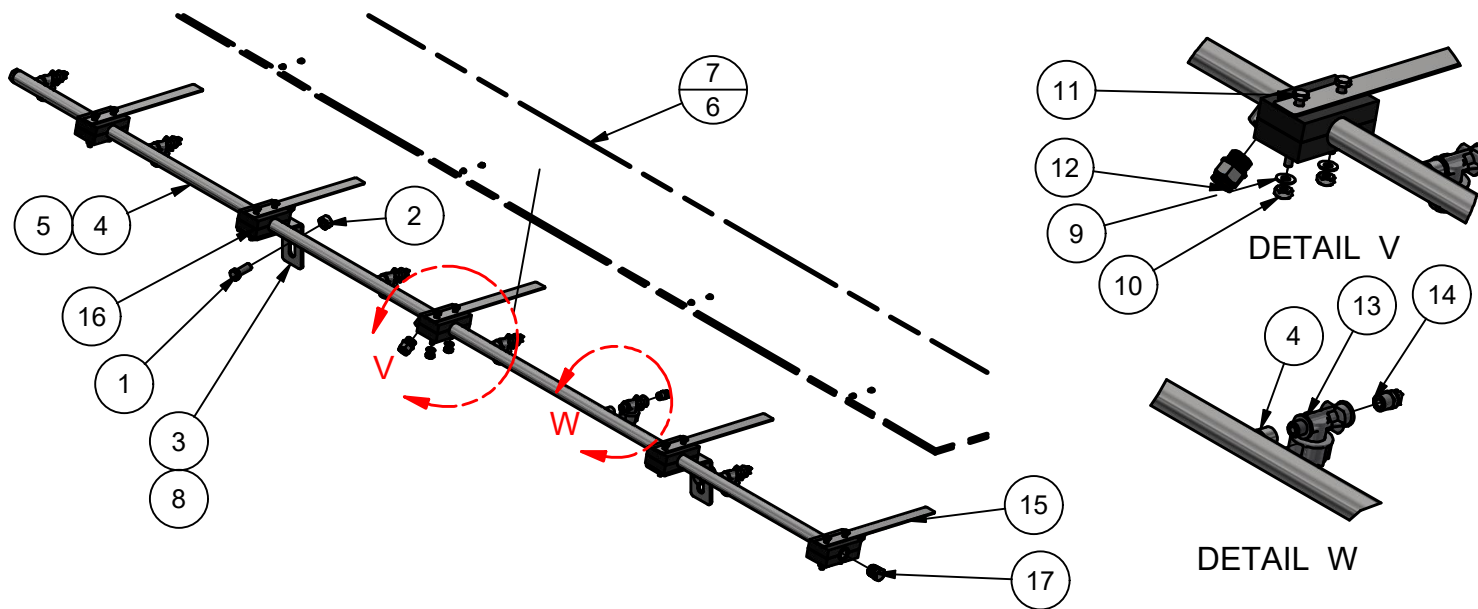
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-RB1WB-TB1WC-SS	4	1-1/4" Pillow Block	All Configurations
2	FW12	16	1/2" Flat Washer	All Configurations
3	HHCS1213200F	8	1/2"-13 x 2" L Hex Screw	All Configurations
4	HN1213	8	Hex Nut, 1/2-13, SS	All Configurations
5	R-TB4AAC	1	Brush Support Frame	C,D,G,H
6	TB2M	1	Tire Dressing Applicator Manifold Assembly Kit with Black PVC Cover	A,B,E,F,I,J
7	TB2MA-0417	1	Tire Dressing Applicator Manifold Assembly Kit with Polycarb Sling Shield	C,D,G,H
8	TB3AAC	1	Brush Support Frame	A,B,E,F,I,J
9	TB3BAA	1	Push Bar Assembly [Passenger]	A,B,E,F,I,J
10	TB3BAB	1	Brush Drive Assembly [Passenger - Hydraulic]	A,E,I
11	TB3BAB-EL	1	Brush Drive Assembly [Passenger - Electric]	B,F,J
12	TW2BAA	1	Push Bar Assembly [Passenger]	C,D,G,H
13	TW2BAB	1	Brush Drive Assembly [Passenger - Hydraulic]	C,G
14	TW2BAB-EL	1	Brush Drive Assembly [Passenger - Electric]	D,H



Tire Dressing Applicator Brush Assembly Passenger Side

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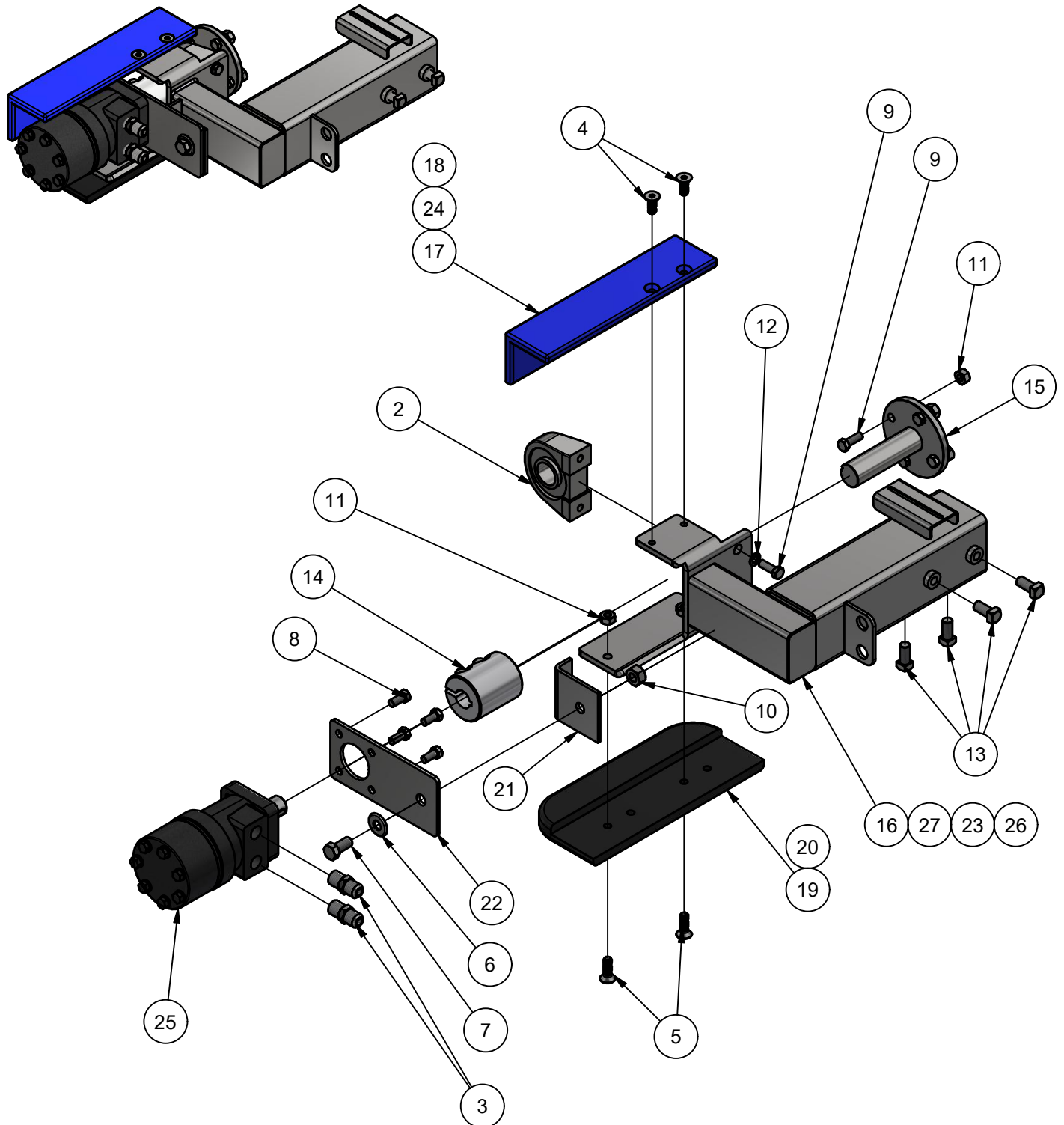
Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	HHCS1213125	2	1/2"- 13 x 1.25" UNC Hex Screw	C,DG,H
2	HN1213	2	Hex Nut, 1/2-13, SS	C,DG,H
3	TB2MC-0417	2	Plate #3/16" x 9" x 3"	C,DG,H
4	TB2MAA-0417	1	Tire Dressing Applicator Manifold, Spray Style Tube	C,DG,H
5	TB2MAA-1013	1	Tire Dressing Applicator Manifold Assembly	A,B,E,F,I,J
6	TB3AAE	1	Tire Dressing Applicator Manifold Black Cover Assembly	A,B,E,F,I,J
7	TB2ME-0417	1	Tire Dressing Applicator Manifold Polycarbonate Cover Assembly	A,B,E,F,I,J
8	TB3AAD	1	Manifold and Hinge Holder Assembly	C,DG,H
9	FW14	10	Flat Washer 1/4" 18-8 (USS wide)	C,DG,H
10	HN1420	10	Hex Nut 1/4"-20, SS	C,DG,H
11	HHCS1420250	10	1/4"-20 x 2 1/2" L Hex Screw	C,DG,H
12	ADPTBR050FNPT050MNPT	1	Pipe Fitting 1/2"(F) X 1/2"(M)	C,DG,H
13	V-DC14X14-25LB	8	1/4" NPT Check Valve - 25 Psi	C,DG,H
14	1-4MEG-4015	8	NOZZLE 1/4" MEG 4015	C,DG,H
15	TB2ME-0417	5	Sheet Metal #14Ga x 12" x 1"	C,DG,H
16	TB2MD-0417	5	UHMW Manifold Clamp	C,DG,H
17	PLUG304050-HEX	2	Plug-Hex, 1/2"NPT, 150#, SS 304	C,DG,H



## Tire Dressing Applicator Manifold Assembly

Parts List - Hydraulic Drive [Driver/Passenger Side]

ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-RB1WB-TB1WC-SS	1	Bearing Pillow Block, 1-1/4", Less Cover, All Stainless Steel	I
2	BRG-TB1ADDA-SS	1	Bearing-Tapped Base, 1-1/4", All Stainless Steel	A,C,E,G
3	CNCTSTL075JIC050MNPT	2	Connector (Male): 3/4" JIC x 1/2"-14 NPT	A,C,E,G,I
4	FHSCS3816100F	2	3/8"-16 UNC x 1" LG. Flat Head Cap Screw	A,C,E,G,I
5	FHSCS3816125F	2	Flat Head Screw 3/8"-16 x 1-1/4"	A,C,E,G,I
6	FW12	1	1/2" Flat Washer	A,C,E,G,I
7	HHCS1213100	1	1/2"-13 x 1" L Hex Screw	A,C,E,G,I
8	HHCS3816075	4	Hex Head Cap Screw: 3/8" - 16 x 3/4", SS	A,C,E,G,I
9	HHCS3816100	6	Hex Head Cap Screw 3/8" - 16 x 1", SS	A,C,E,G,I
10	HN1213	1	Hex Nut, 1/2-13, SS	A,C,E,G,I
11	HN3816	6	Hex Nut: 3/8"-16 SS	A,C,E,G,I
12	SLW38	2	3/8" Split Lock Washer	A,C,E,G,I
13	SQHS1213100	4	Sq. Head Set Scw 1/2"-13 x 1" LG SS	A,C,E,G,I
14	TB2ADBC	1	Aluminium Coupling 1 x 1.25 x 3 LG	A,C,E,G,I
15	TB3AAAE	1	4-1/2" Stub Shaft	A,C,E,G,I
16	TB3AABA	1	Base Frame for Brush Drive Assembly [Driver - Hydraulic]	A,E,I
17	TB3AABB	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 12", Hydraulic, Exit, Driver Side with Holes	A,C,E,G,I
18	TB3AABB-NH	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 12", Hydraulic, Exit, Driver Side without Holes	A,C,E,G,I
19	TB3AABC	1	Tire Shine Bumper, UHMW Black, 12", Hydraulic, Exit, Driver/Passenger Side with holes and rounded top	A,C,E,G,I
20	TB3AABC-NH	1	Tire Shine Bumper, UHMW Black, 12", Hydraulic, Exit, Driver/Passenger Side, no holes and with rounded top	A,C,E,G,I
21	TB3AABD	1	Sheet Metal #7 Ga. x 3" x 4" LG.	A,C,E,G,I
22	TB3AABF	1	Torque Plate #3/16" x 3 1/2" x 7 1/2" LG.	A,C,E,G,I
23	TB3BABA	1	Base Frame for Brush Drive Assembly [Passenger-Hydraulic]	A,E,I
24	TB3BABBB	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 12", Hydraulic, Exit, Passenger Side with Holes	A,C,E,G,I
25	TB0195-WA1KM	1	195cc Parker, Hydraulic Motor	A,C,E,G,I
26	TW2AABA	1	Base Frame for Brush Drive Assembly [Driver - Hydraulic]	C,G
27	TW2BABA	1	Base Frame for Brush Drive Assembly [Passenger-Hydraulic]	C,G

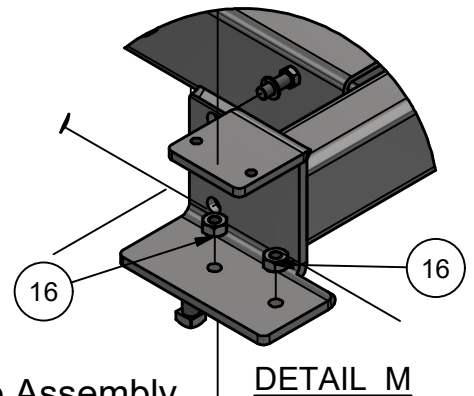
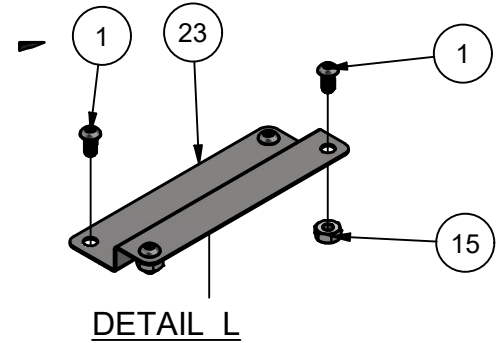
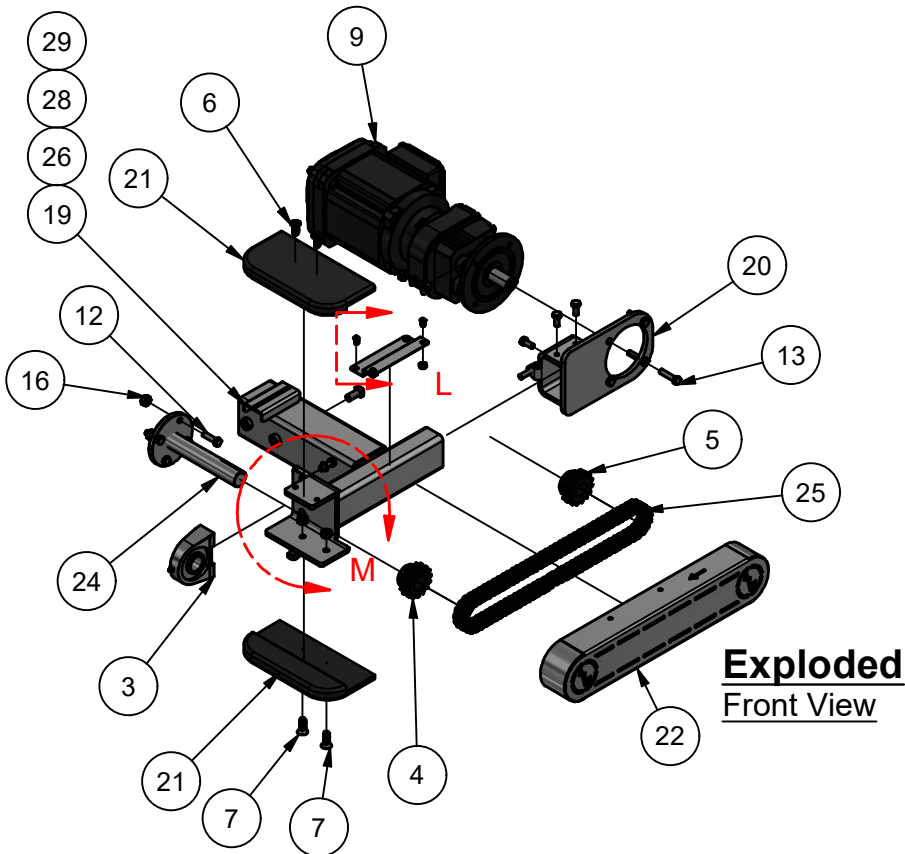
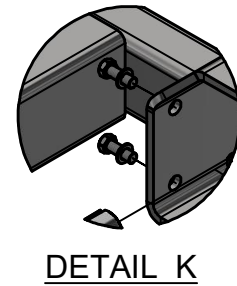
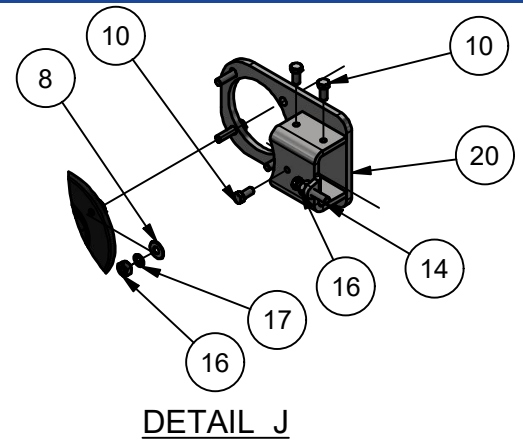
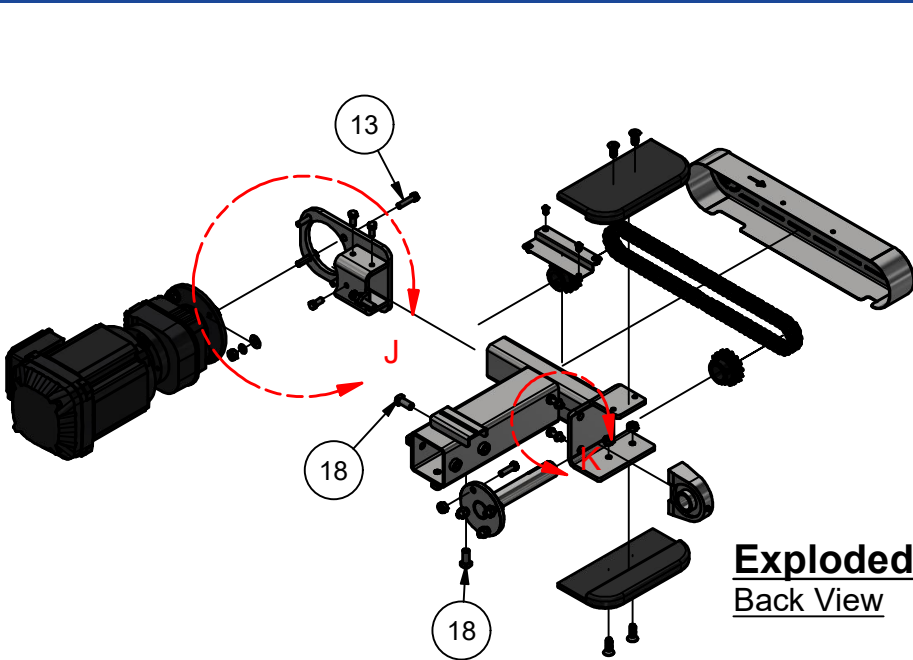


Tire Dressing Applicator Hydraulic Drive Assembly

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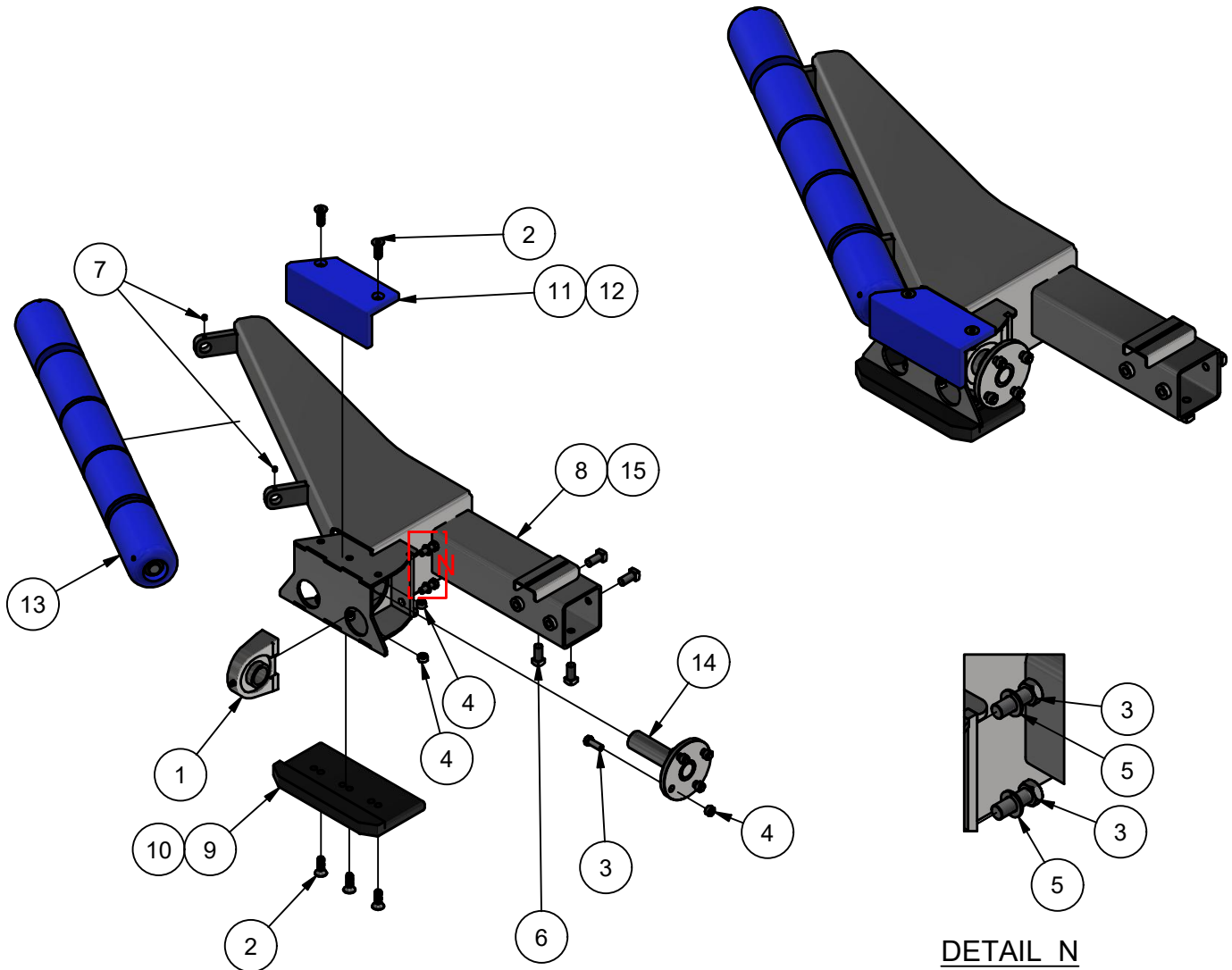
Parts List - Electric Drive [Driver/Passenger Side]

ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BHSCS02520050	4	Button Head Cap Screw 1/4-20 x 1/2" LG.	B,D,F,H,J
2	BRG-RB1WB-TB1WC-SS	1	Bearing Pillow Block, 1-1/4"	B,D,F,H,J
3	BRG-TB1ADDA-SS	1	Bearing-Tapped Base, 1-1/4", All Stainless Steel	B,D,F,H,J
4	D40BS15HX125	1	Double 15 Tooth Sprocket, for 1-1/4" Shaft	B,D,F,H,J
5	D40BS15HX1125	1	Double 15 Tooth Sprocket, for 1-1/8" Shaft	B,D,F,H,J
6	FHSCS3816100F	2	3/8"-16 UNC x 1" LG. Flat Head Cap Screw	B,D,F,H,J
7	FHSCS3816125F	2	Flat Head Screw 3/8"-16 x 1-1/4"	B,D,F,H,J
8	FW38	4	Flat Washer: 3/8" SS	B,D,F,H,J
9	GRMTR-SEW-1.5HP-79-230-460	1	SEW Gearmotor, 1.5HP, 79rpm, RF27	B,D,F,H,J
10	HHCS3816075	3	Hex Head Cap Screw: 3/8" - 16 x 3/4", SS	B,D,F,H,J
11	HHCS3816100	2	Hex Head Cap Screw 3/8" - 16 x 1", SS	B,D,F,H,J
12	HHCS3816125	4	3/8"-16 x 1 1/4" UNC Hex Screw	B,D,F,H,J
13	HHCS3816150	4	3/8"-16 UNC x 1 1/2" Hex Screw	B,D,F,H,J
14	HHCS3816200F	1	3/8" - 16 x 2" UNC Hex Screw	B,D,F,H,J
15	HN1420	2	Hex Nut 1/4"-20, SS	B,D,F,H,J
16	HN3816	11	Hex Nut: 3/8"-16 SS	B,D,F,H,J
17	SLW38	6	3/8" Split Lock Washer	B,D,F,H,J
18	SQHS1213100	4	Sq. Head Set Scew 1/2"-13 x 1" LG	B,D,F,H,J
19	TB3AABA-EL	1	Base Frame for Brush Drive Assembly, Driver, EL	B,F,J
20	TB3AABB-EL	1	Motor Mount Plate with Sleeve	B,D,F,H,J
21	TB3AABC-EL	2	Tire Shine Bumper, UHMW Black, 10", Electric, Exit, Driver/Passenger Side, Top/Bottom (w/o holes and rounded top corners)	B,D,F,H,J
22	TB3AABD-EL	1	Chain Cover [Driver - EL]	B,D,F,H,J
23	TB3AABE-EL	1	Support Bracket for Chain Guard, Tire Brush, Plate #18Ga x 3" x 6"	B,D,F,H,J
24	TB3AABF-EL	1	Stub Shaft 1 1/4" x 7" LG	B,D,F,H,J
25	TB3AABG-EL	1	41" Double Chain Assembly	B,D,F,H,J
26	TB3BABA-EL	1	Base Frame for Brush Drive Assembly, Passenger, EL	B,F,J
27	TB3BABD-EL	1	Chain Cover [Passenger - EL]	B,D,F,H,J
28	TW2AABA-EL	1	Base Framw for Brush Drive Assembly, Driver, EL	D,H
29	TW2BABA-EL	1	Base Frame for Brush Drive Assembly, Passenger, EL	D,H



Tire Dressing Applicator Electric Drive Assembly

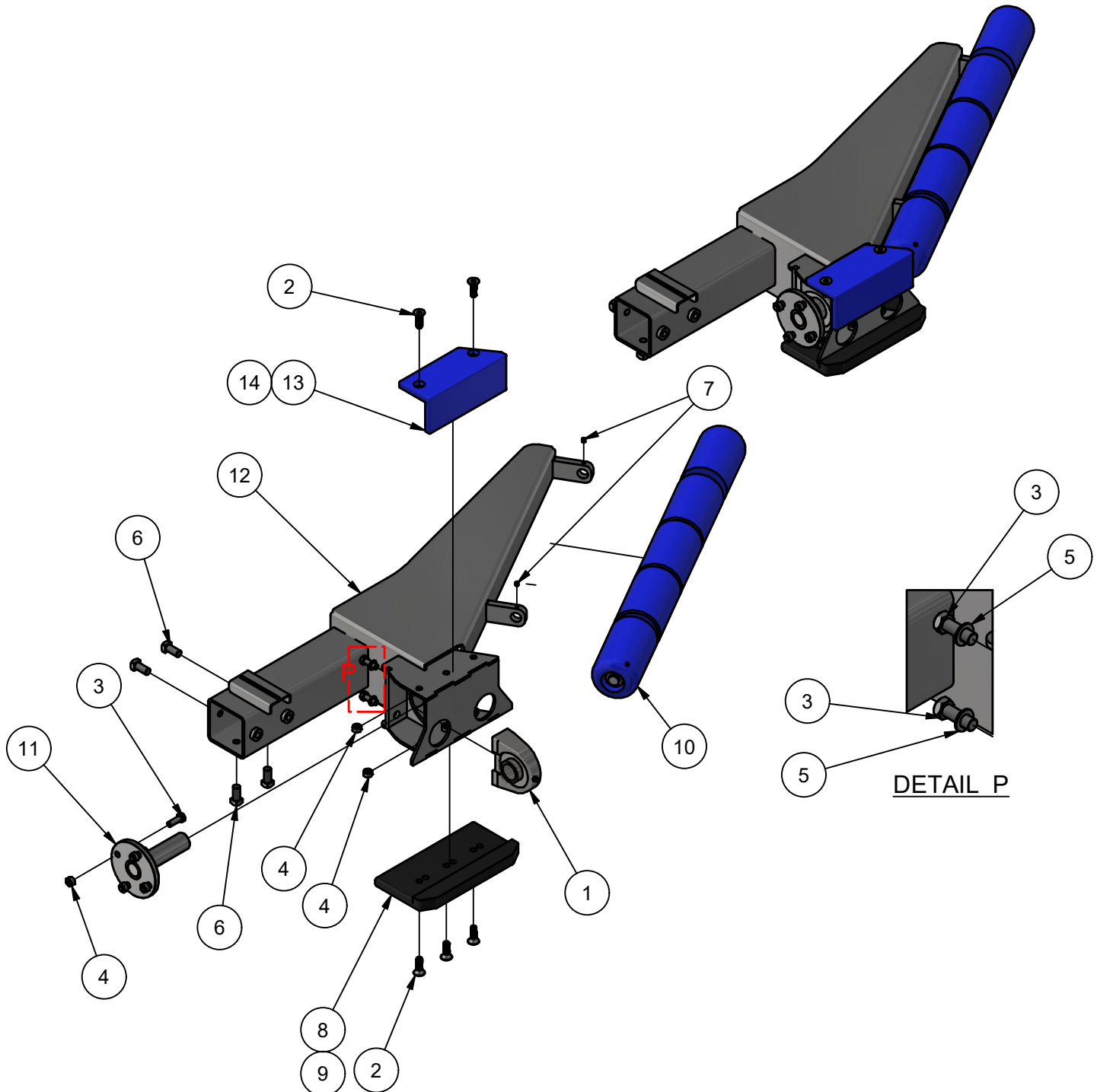
Parts List - Hydraulic/Electric Drive Driver Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-TB1ADDA-SS	1	Bearing-Tapped Base, 1-1/4", All Stainless Steel	All Configurations
2	FHSCS3816125F	5	Flat Head Screw 3/8"-16 x 1-1/4"	All Configurations
3	HHCS3816100	6	Hex Head Cap Screw 3/8" - 16 x 1", SS	All Configurations
4	HN3816	9	Hex Nut: 3/8"-16, SS	All Configurations
5	SLW38	2	3/8" Split Lock Washer	All Configurations
6	SQHS1213100	4	Sq. Head Set Scw 1/2"-13 x 1" LG SS	All Configurations
7	SSS1420025	2	Socket Set Screw: 1/4"-20 x 1/4" LG SS	All Configurations
8	TB3AAAA	1	Push Bar Assembly Frame [Driver]	A,B,E,F,I,J
9	TB3AAAB	1	Tire Shine Bumper, UHMW Black,#1"x 9-5/8"x5", Hydraulic and Electric, Entrance, Driver/Passenger Side w/ 6 Holes	All Configurations
10	TB3AAAB-NH	1	Tire Shine Bumper, UHMW Black,#1"x 9-5/8"x5", Hydraulic and Electric, Entrance, Driver/Passenger Side without Holes	All Configurations
11	TB3AAAC	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 7-3/4", Hydraulic and Electric, Entrance / Driver Side (w/ holes)	All Configurations
12	TB3AAAC-NH	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 7-3/4", Hydraulic and Electric, Entrance / Driver Side without holes	All Configurations
13	TB3AAAD	1	Roller Guide Set	All Configurations
14	TB3AAAE	1	4-1/2" Stub Shaft	All Configurations
15	TW2AAAA	1	Push Bar Assembly Frame [Driver]	C,D,G,H



Tire Dressing Applicator Push Bar Assembly Driver Side

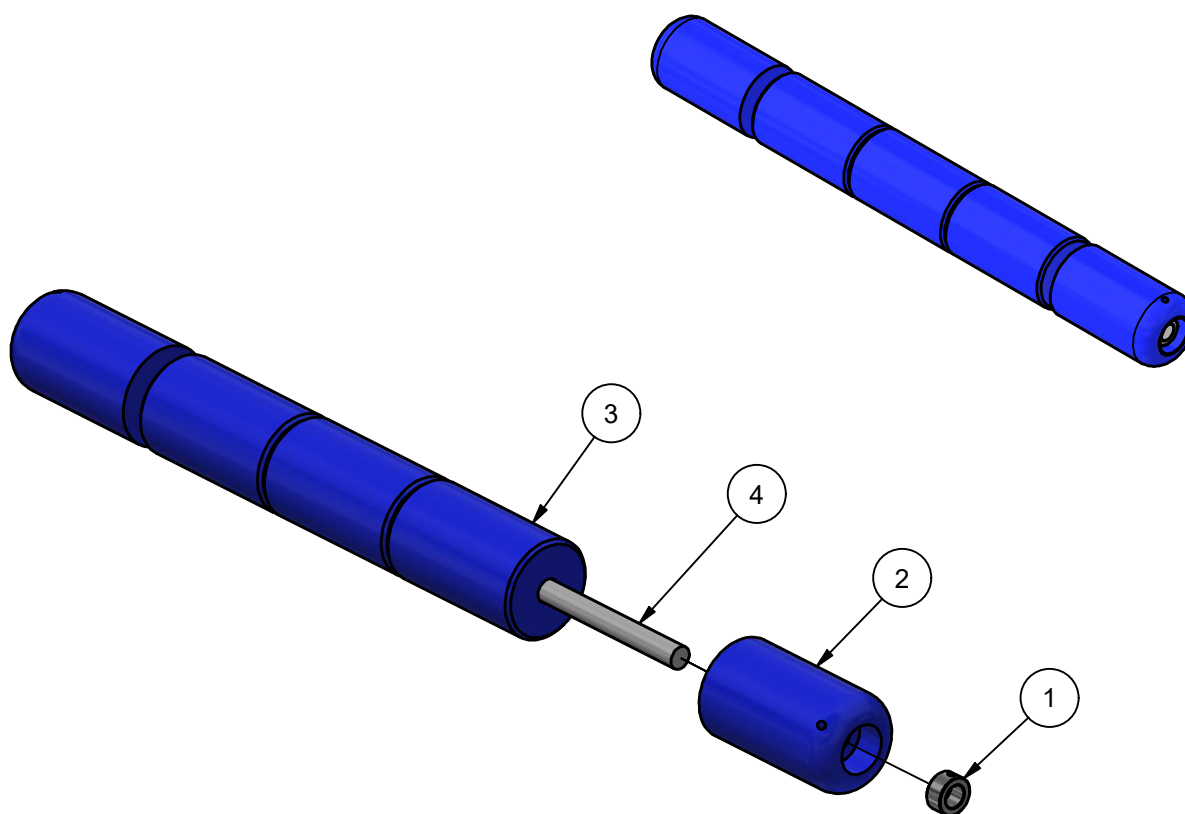
Parts List - Hydraulic/Electric Drive Passenger Side

ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-TB1ADDA-SS	1	Bearing-Tapped Base, 1-1/4", All Stainless Steel	All Configurations
2	FHSCS3816125F	5	Flat Head Screw 3/8"-16 x 1-1/4"	All Configurations
3	HHCS3816100	6	Hex Head Cap Screw 3/8" - 16 x 1", SS	All Configurations
4	HN3816	9	Hex Nut: 3/8"-16, SS	All Configurations
5	SLW38	2	3/8" Split Lock Washer	All Configurations
6	SQHS1213100	4	Sq. Head Set Scw 1/2"-13 x 1" LG SS	All Configurations
7	SSS1420025	2	Socket Set Screw: 1/4"-20 x 1/4" LG SS	All Configurations
8	TB3AAAB	1	Tire Shine Bumper, UHMW Black,#1"x 9-5/8"x5", Hydraulic and Electric, Entrance, Driver/Passenger Side w/ 6 Holes	All Configurations
9	TB3AAAB-NH	1	Tire Shine Bumper, UHMW Black,#1"x 9-5/8"x5", Hydraulic and Electric, Entrance, Driver/Passenger Side without Holes	All Configurations
10	TB3AAAD	1	Roller Guide Set	All Configurations
11	TB3AAAE	1	4-1/2" Stub Shaft	All Configurations
12	TB3BAAA	1	Push Bar Assembly Frame [Passenger]	A,B,E,F,I,J
13	TB3BAAC	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 7-3/4", Hydraulic and Electric, Entrance / Passenger Side (w/ holes)	All Configurations
14	TB3BAAC-NH	1	Tire Shine Angle Cover, UHMW Blue, 3" x 3" x 7-3/4", Hydraulic and Electric, Entrance / Passenger Side (without holes)	All Configurations
15	TW2BAAA	1	Push Bar Assembly Frame [Passenger]	C,D,G,H



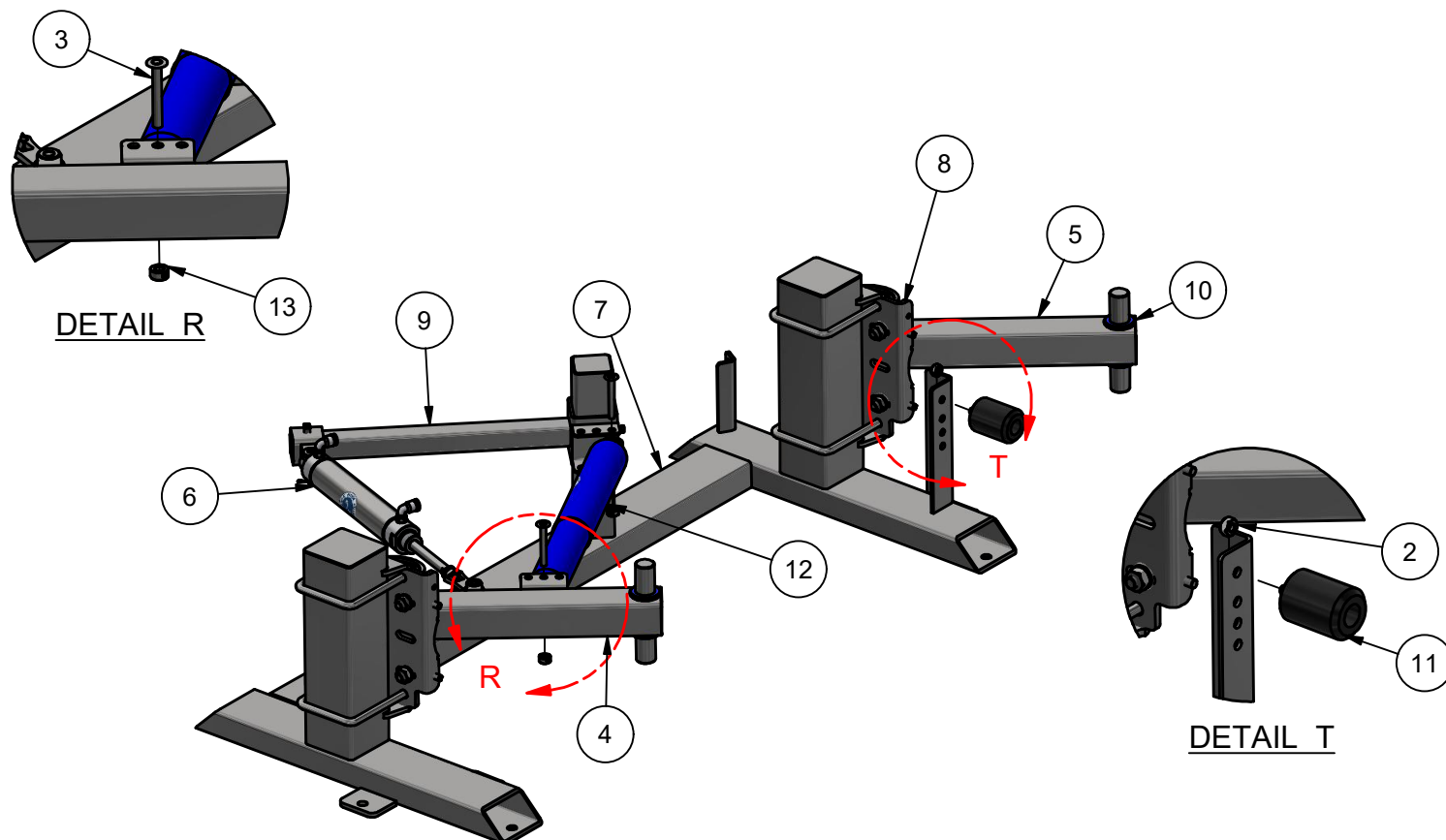
Tire Dressing Applicator Push Bar Assembly Passenger Side

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	CLRSS075X125X063	2	3/4" Set Screw Collar	All Configurations
2	TB3AAADA	2	Side Roller 3 1/4" OD. x 13/16" ID. x 5 5/8" LG.	All Configurations
3	TB3AAADB	3	Middle Roller 3 1/4" OD. x 13/16" ID. x 5 5/8" LG.	All Configurations
4	TB3AAADC	1	Shaft 3/4" D x 29" LG.	All Configurations



Tire Dressing Applicator Roller Guide Set

Parts List - Hydraulic/Electric Drive Driver Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	FW38	1	Flat Washer: 3/8" SS	All Configurations
2	HN3816	1	Hex Nut: 3/8"-16 SS	All Configurations
3	TB1AEA	2	Pin 3/8" x 3" LG	All Configurations
4	TB2ABB	1	18" Tire Shine Arm-W/ Brackets	A,B
5	TB2ABC	1	18" Empty Tire Shine Arm	A,B
6	TB2AFA	1	Retract Kit (Tire Washer), Air Cylinder Assembly	All Configurations
7	TB3ABA	1	Frame Weldment [Driver]	All Configurations
8	TB3ABD	2	Arm Mount Plate Assembly	All Configurations
9	TB3ABE	1	Shock Absorber Mounting Bracket	All Configurations
10	TB3ABF	8	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
11	WA1DBB-0521	1	Rubber Bumper,3" Long	All Configurations
12	WA1FA	1	Blue Shock Absorber Assembly	All Configurations
13	WA1FC	2	3/8" Set Screw Collar	All Configurations



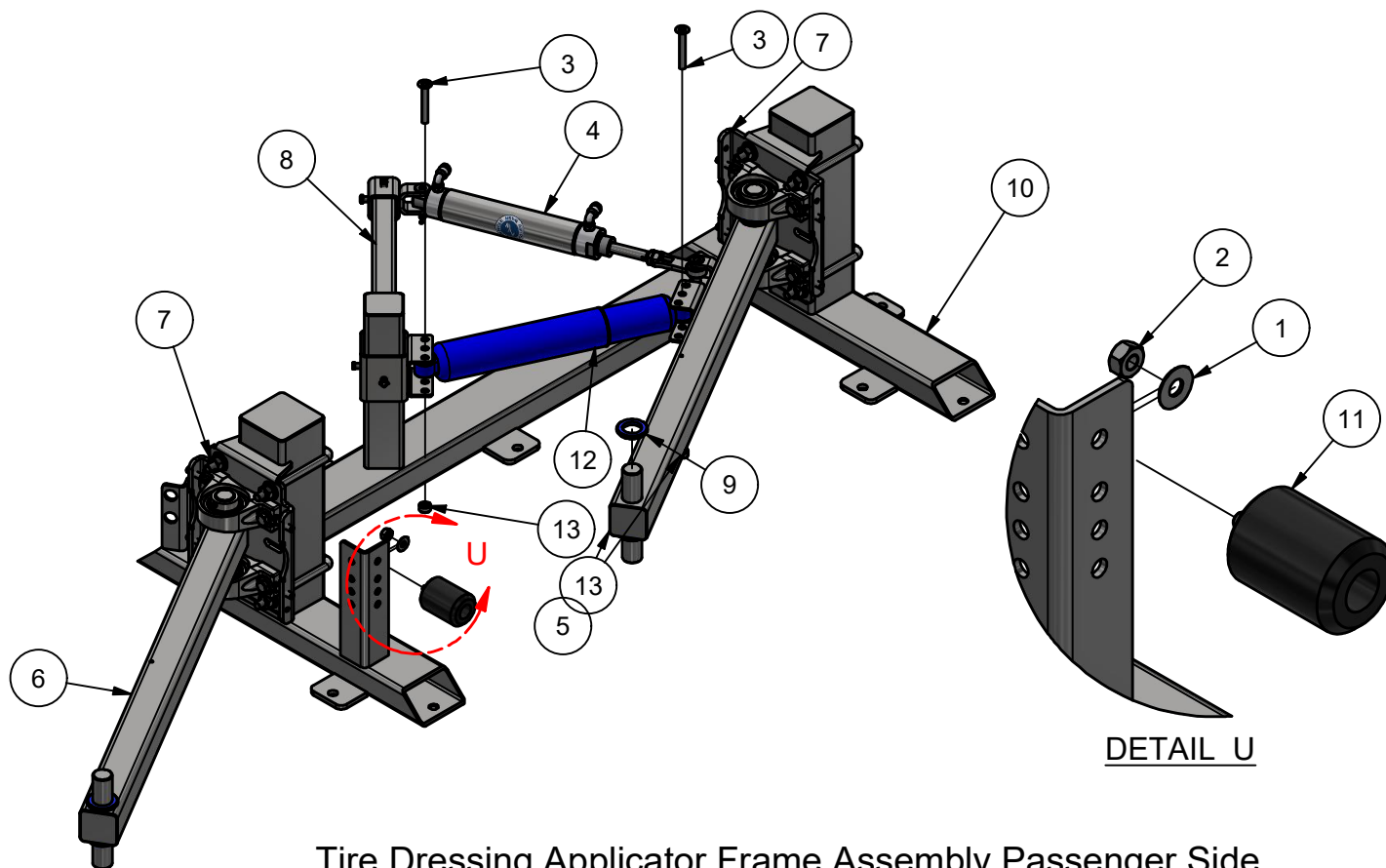
### Tire Dressing Applicator Frame Assembly Driver Side

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**Address:** 105 S 9th Ave, Maywood, IL 60153  
**Phone:** (708) 343-7738 | **Fax:** (708) 343-9065

**Website:** [www.avwequipment.com](http://www.avwequipment.com)  
**General Inquiries:** [info@avwequipment.com](mailto:info@avwequipment.com)

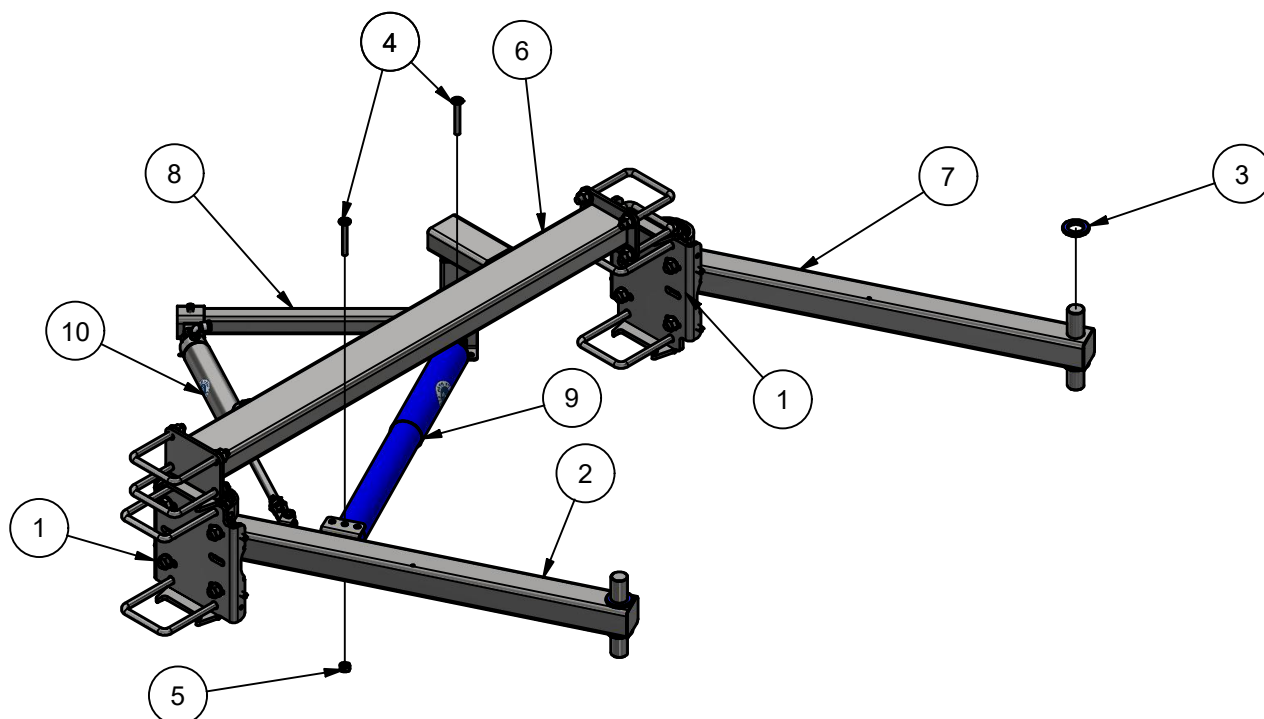
Parts List - Hydraulic/Electric Drive Passenger Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	FW38	1	Flat Washer: 3/8" SS	All Configurations
2	HN3816	1	Hex Nut: 3/8"-16 SS	All Configurations
3	TB1AEA	2	Pin 3/8" x 3" LG	All Configurations
4	TB2AFA	1	Retract Kit Assembly (Tire Washer), Air Cylinder AC2X8	All Configurations
5	TB3ABB	1	34" Tire Shine Arm-W/ Brackets	All Configurations
6	TB3ABC	1	34" Tire Shine Arm-w/o Brackets	All Configurations
7	TB3ABD	2	Arm Mount Plate Assembly	All Configurations
8	TB3ABE	1	Shock Absorber Mounting Bracket	All Configurations
9	TB3ABF	8	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
10	TB3BBA	1	Frame Weldment [Passenger]	All Configurations
11	WA1DBB-0521	1	Rubber Bumper, 3" Long	All Configurations
12	WA1FA	1	Blue Shock Absorber Assembly	All Configurations
13	WA1FC	2	3/8" Set Screw Collar	All Configurations



Tire Dressing Applicator Frame Assembly Passenger Side

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Parts List - Hydraulic/Electric Drive Driver Side				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB3ABD	2	Arm Mount Plate Assembly	All Configurations
2	TB3ABB	1	34" Tire Shine Arm-W/ Brackets	All Configurations
3	TB3ABF	8	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
4	TB1AEA	2	Pin 3/8" x 3" LG	All Configurations
5	WA1FC	2	3/8" Set Screw Collar	All Configurations
6	TB4AAA	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner Driver Side	I,J
7	TB3ABC	1	34" Tire Shine Arm-w/o Brackets	All Configurations
8	TB3ABE	1	Shock Absorber Mounting Bracket	All Configurations
9	WA1FA	1	Blue Shock Absorber Assembly	All Configurations
10	TB2AFA	1	Retract Kit (Tire Washer), Air Cylinder Assembly	All Configurations



Tire Dressing Applicator (TB4 and TB4-EL) Frame Assembly Driver Side - TB4AB

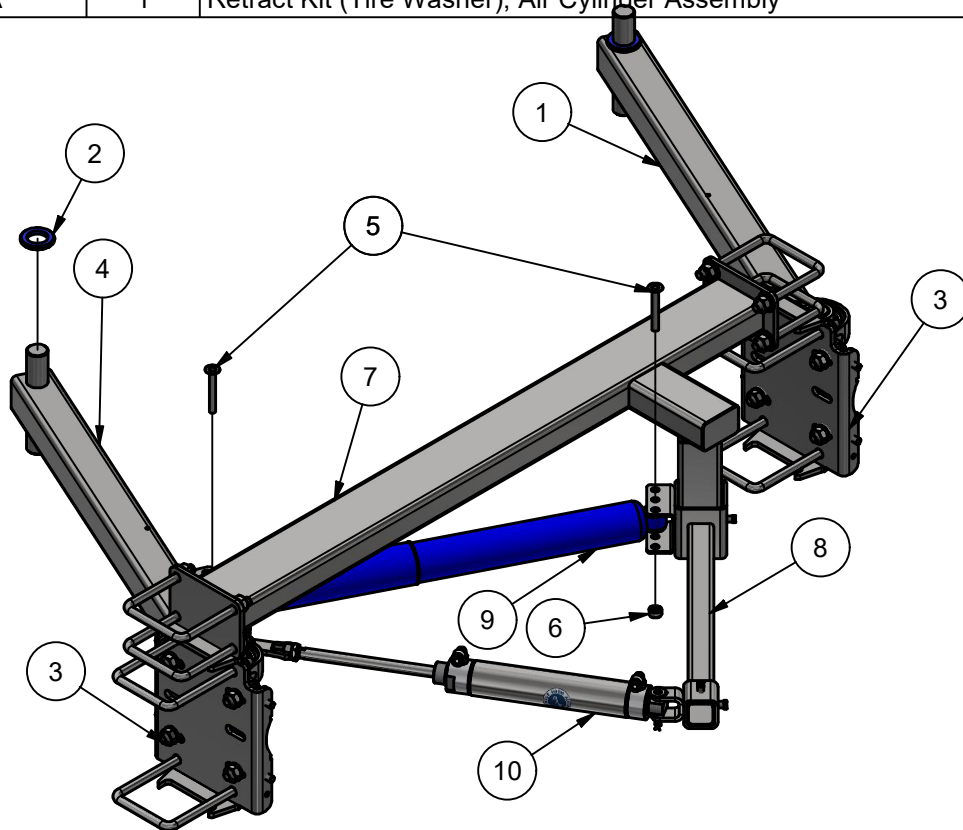
Note: This frame assembly is only used in configuration I,J,K,L,M,N

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**Address:** 105 S 9th Ave, Maywood, IL 60153  
**Phone:** (708) 343-7738 | **Fax:** (708) 343-9065

**Website:** [www.avwequipment.com](http://www.avwequipment.com)  
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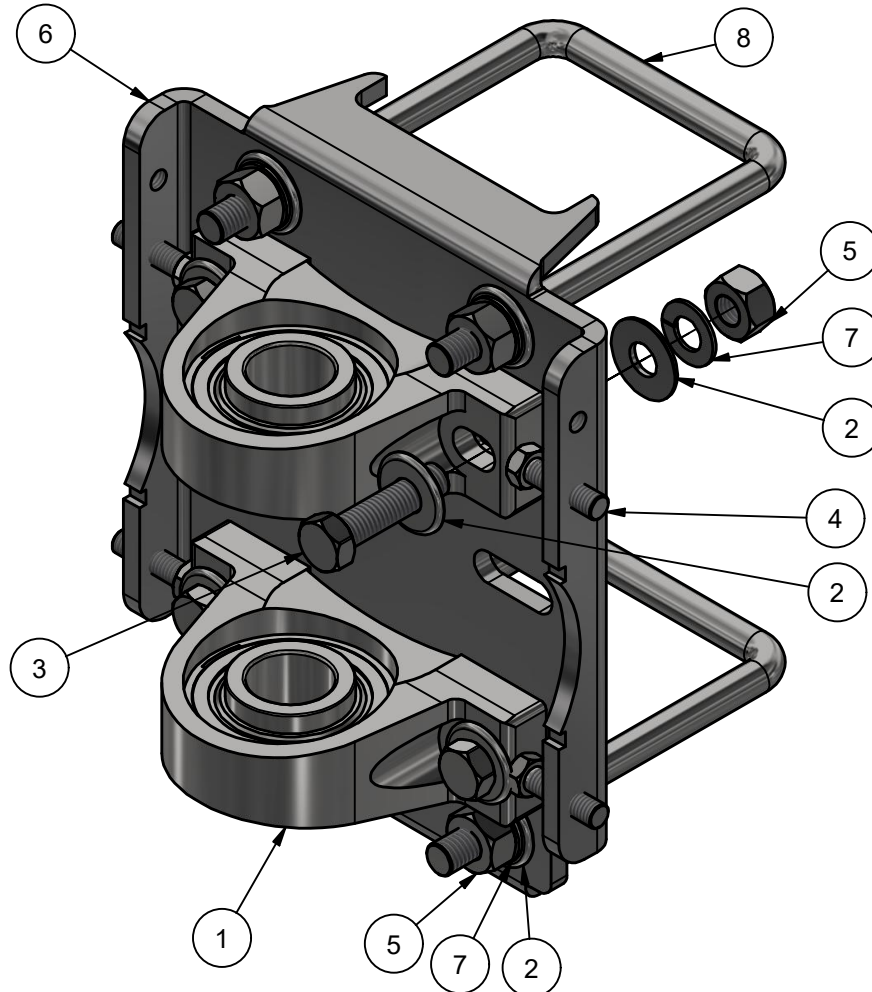
Parts List - Hydraulic Drive				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB3ABC	1	34" Tire Shine Arm-w/o Brackets	All Configurations
2	TB3ABF	8	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
3	TB3ABD	2	Arm Mount Plate Assembly	All Configurations
4	TB3ABB	1	34" Tire Shine Arm-W/ Brackets	All Configurations
5	TB1AEA	2	Pin 3/8" x 3" LG	All Configurations
6	WA1FC	2	3/8" Set Screw Collar	All Configurations
7	TB4AAB	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner PassengerSide	I,J
8	TB3ABE	1	Shock Absorber Mounting Bracket	All Configurations
9	WA1FA	1	Blue Shock Absorber Assembly	All Configurations
10	TB2AFA	1	Retract Kit (Tire Washer), Air Cylinder Assembly	All Configurations



Tire Dressing Applicator (TB4 and TB4-EL) Frame Assembly Passenger Side - TB4BB

Note: This frame assembly is only used in configuration I,J,K,L,M,N

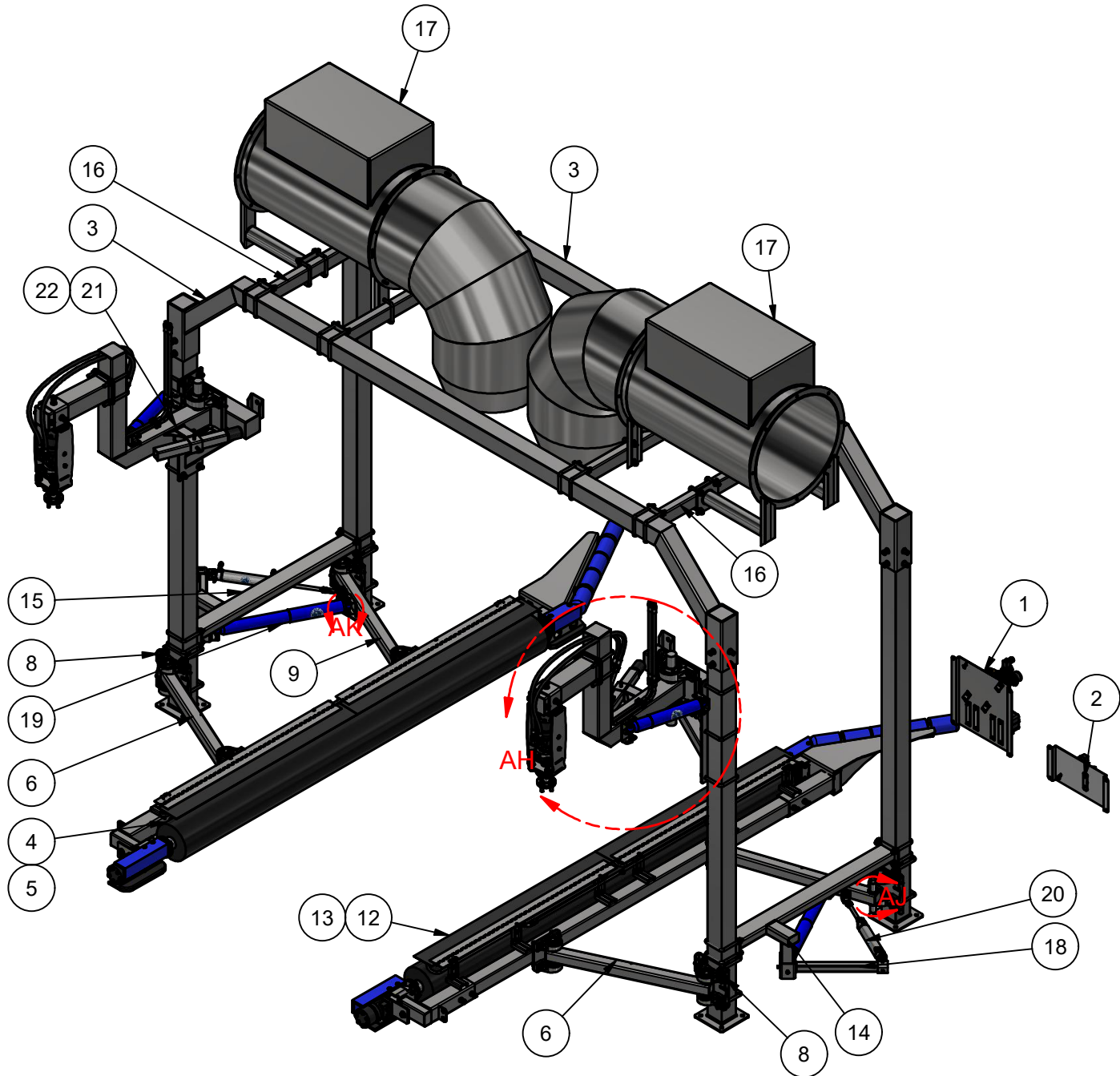
Parts List - Hydraulic/Electric Drive				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	BRG-RB1WB-TB1WC-SS	2	1-1/4" Pillow Block	All Configurations
2	FW12	12	1/2" Flat Washer	All Configurations
3	HHCS1213200F	4	1/2"-13 x 2" L Hex Screw	All Configurations
4	HHCS3816125	4	3/8"-16 x 1 1/4" UNC Hex Screw	All Configurations
5	HN1213	8	Hex Nut, 1/2-13, SS	All Configurations
6	RB1BBAA	1	Arm Mount SS Plate #5/16" x 13 9/16" x 10"	All Configurations
7	SLW12	8	1/2" Split Lock Washer	All Configurations
8	UB-SQ050x1700	2	U-Bolt (Square): 1/2" x 4 x 6-1/2"	All Configurations

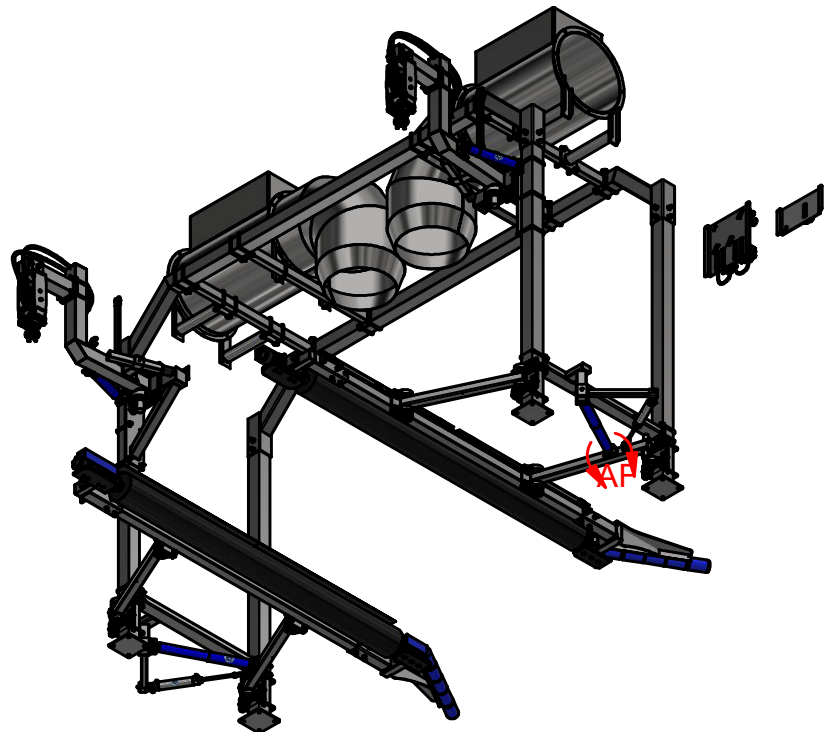
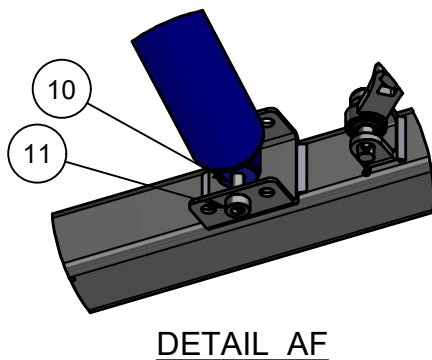
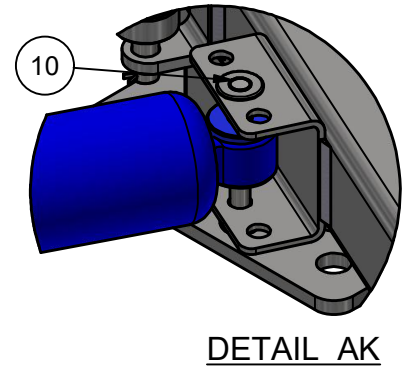
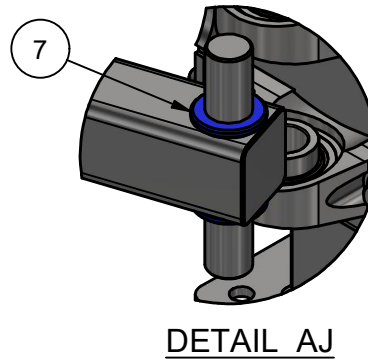
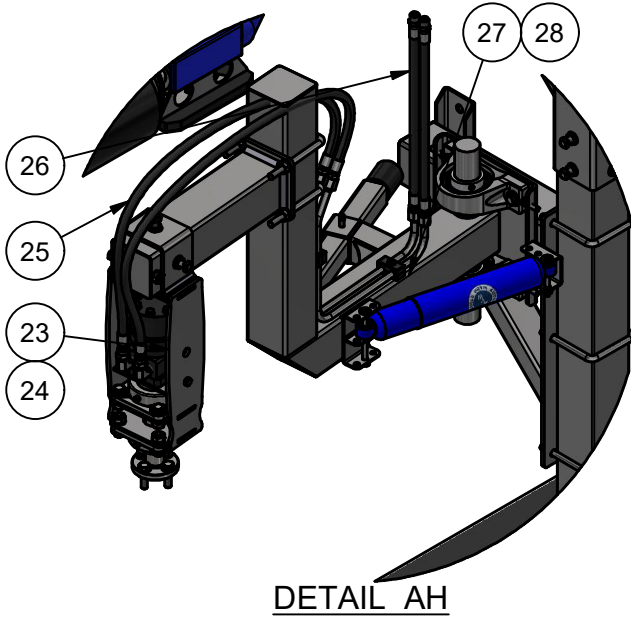


Arm Mount Plate Assembly

### FINISHING MODULE - TOP LEVEL ASSEMBLIES

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	APS1-2F-902	1	Air Pumping Station W/2 Flojet Pumps	All Configurations
2	WA1P-120V	1	Panel (Air Control)-120VAC, with 4 way Directional Valve	All Configurations
3	FM1A-C	2	Heater Penta Arch 96" Legs	K,L,M,N
4	TB3BA	1	Tire Dressing Brush Assembly [Passenger][Hydraulic]	A,E,I,K,M
5	TB3BA-EL	1	Tire Dressing Brush Assembly [Passenger][Electric]	B,F,J,L,N
6	TB3ABC	2	34" Tire Shine Arm-w/o Brackets	All Configurations
7	TB3ABF	16	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
8	TB3ABD	4	Arm Mount Plate Assembly	All Configurations
9	TB3ABB	2	34" Tire Shine Arm-W/ Brackets	All Configurations
10	TB1AEA	4	Pin 3/8" x 3" LG	All Configurations
11	WA1FC	4	3/8" Set Screw Collar	All Configurations
12	TB3AA	1	Tire Dressing Brush Assembly [Driver][Hydraulic]	A,E,I,K,M
13	TB3AA-EL	1	Tire Dressing Brush Assembly [Driver][Electric]	B,F,J,L,N
14	TB4AAA	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner Driver Side	I,J,K,L,M,N
15	TB4AAB	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner PassengerSide	I,J,K,L,M,N
16	FM1D	4	Heater Brace Bar, Finishing Module, 2x4 with Flanges, 43-3/8"L, includes u-bolts	K,L
17	HT2	2	Finishing Module Heater, Dual Top Direct-Fire Heated Dryers on Dual Penta Arch, SS	K,L
18	TB3ABE	2	Shock Absorber Mounting Bracket	All Configurations
19	WA1FA	2	Blue Shock Absorber Assembly	All Configurations
20	TB2AFA	2	Retract Kit (Tire Washer), Air Cylinder Assembly	All Configurations
21	SW2E	1	Step-Up Side Washer Arm Assembly - Passenger Side, Hydraulic	K,L,M,N
22	SW2E-EL	1	Step-Up Side Washer Arm Assembly - Passenger Side, Electric	K,L,M,N
23	SW2K	2	Brush Drive Assembly - Side Washer, Hydraulic	K,L,M,N
24	SW10K-EL	1	Side Wash Brush Shaft Assembly, Electric Drive	K,L,M,N
25	38HYDHAY-034-MXF	4	Hose Assembly(Hydraulic) 3/8" x 34" Long, Male x Female	K,L,M,N
26	38HYDHAY-034-MXM	4	Hose Assembly(Hydraulic) 3/8" x 34" Long, Male x Male	K,L,M,N
27	SW2D	1	Step-Up Side Washer Arm Assembly - Driver Side	K,L,M,N
28	SW2D-EL	1	Step-Up Side Washer Arm Assembly - Driver Side, Electric	K,L,M,N





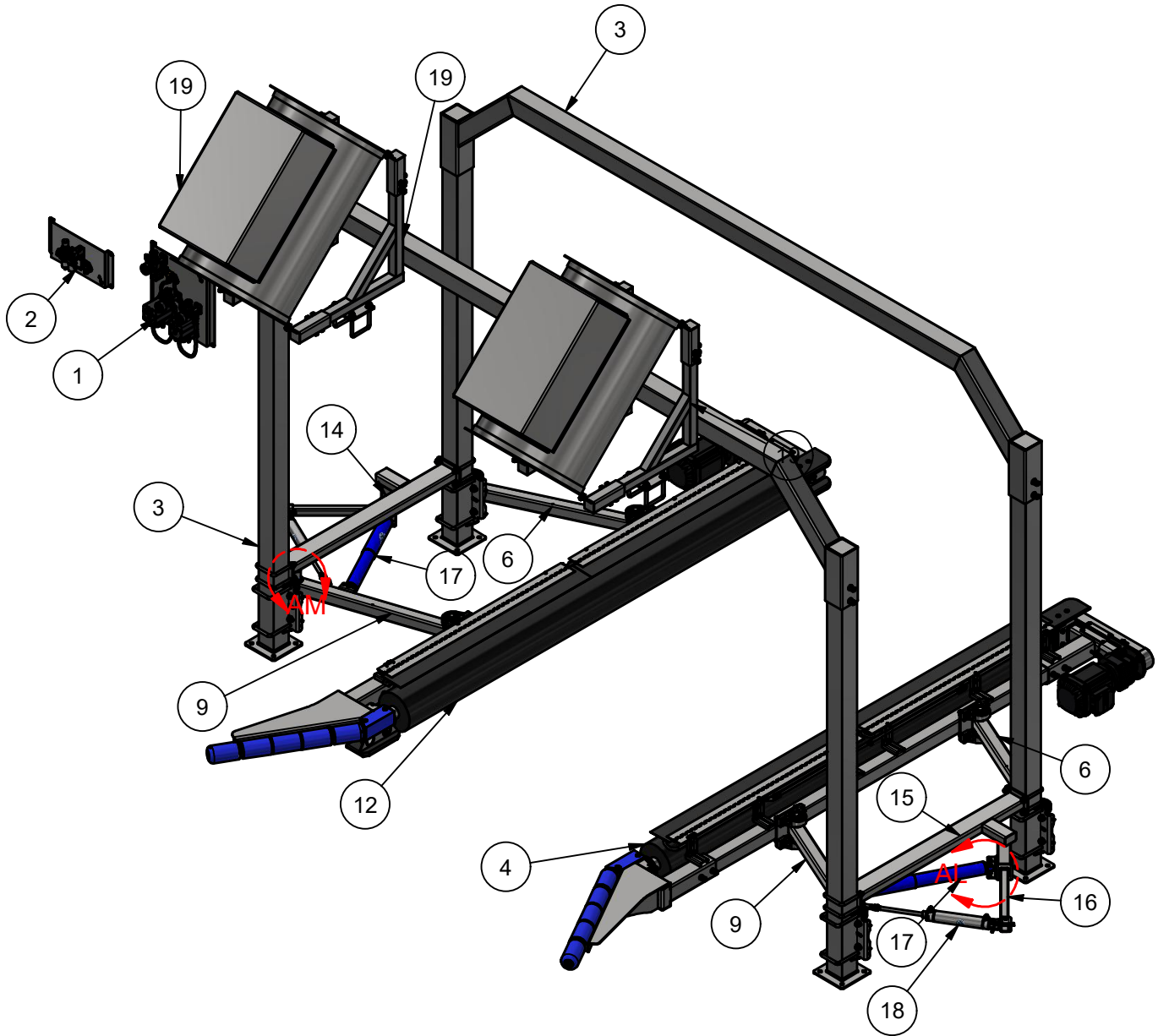
Note: Refer Side Washer Manual for more details.

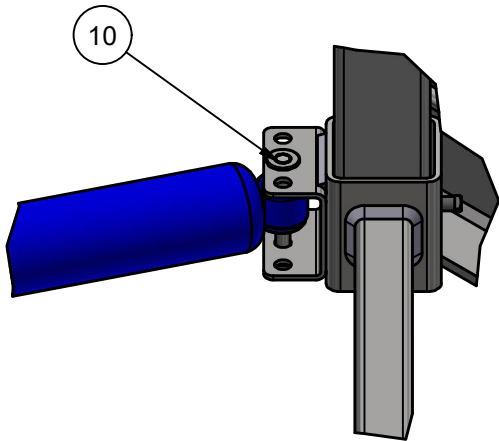
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**Phone:** (708) 343-7738 | **Fax:** (708) 343-9065

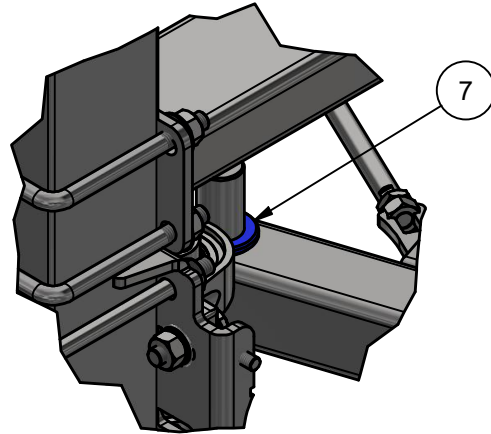
**Website:** [www.avwequipment.com](http://www.avwequipment.com)  
**General Inquiries:** [info@avwequipment.com](mailto:info@avwequipment.com)

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	APS1-2F-902	1	Air Pumping Station W/2 Flojet Pumps	All Configurations
2	WA1P-120V	1	Panel (Air Control)-120VAC, with 4 way Directional Valve	All Configurations
3	FM1A-C	2	Heater Penta Arch 96" Legs	K,L,M,N
4	TB3BA-EL	1	Tire Dressing Brush Assembly [Passenger][Electric]	B,F,J,L,N
5	TB3BA	1	Tire Dressing Brush Assembly [Passenger][Hydraulic]	A,E,I,K,M
6	TB3ABC	2	34" Tire Shine Arm-w/o Brackets	All Configurations
7	TB3ABF	16	UHMW Spacer 1-1/4"ID x 2"OD x 1/4"LG	All Configurations
8	TB3ABD	4	Arm Mount Plate Assembly	All Configurations
9	TB3ABB	2	34" Tire Shine Arm-W/ Brackets	All Configurations
10	TB1AEA	4	Pin 3/8" x 3" LG	All Configurations
11	WA1FC	4	3/8" Set Screw Collar	All Configurations
12	TB3AA-EL	1	Tire Dressing Brush Assembly [Driver][Electric]	B,F,J,L,N
13	TB3AA	1	Tire Dressing Brush Assembly [Driver][Hydraulic]	A,E,I,K,M
14	TB4AAA	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner Driver Side	I,J,K,L,M,N
15	TB4AAB	1	Brace Bar, Rectangular 2x4, 44" LG., with Tire Brush Retract Post, for Finishing Module Leg-Mount Tire Shiner PassengerSide	I,J,K,L,M,N
16	TB3ABE	2	Shock Absorber Mounting Bracket	All Configurations
17	WA1FA	2	Blue Shock Absorber Assembly	All Configurations
18	TB2AFA	2	Retract Kit (Tire Washer), Air Cylinder Assembly	All Configurations
19	FM1H-45	2	45 Deg Heater Frame with Heater	M,N

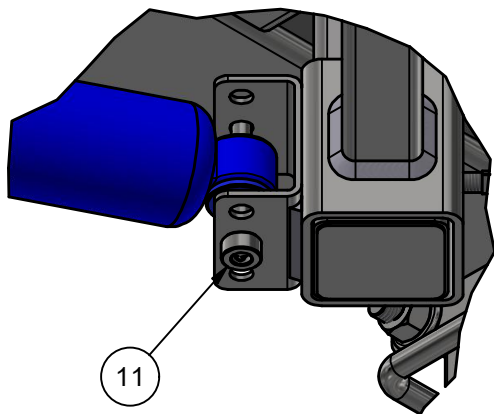




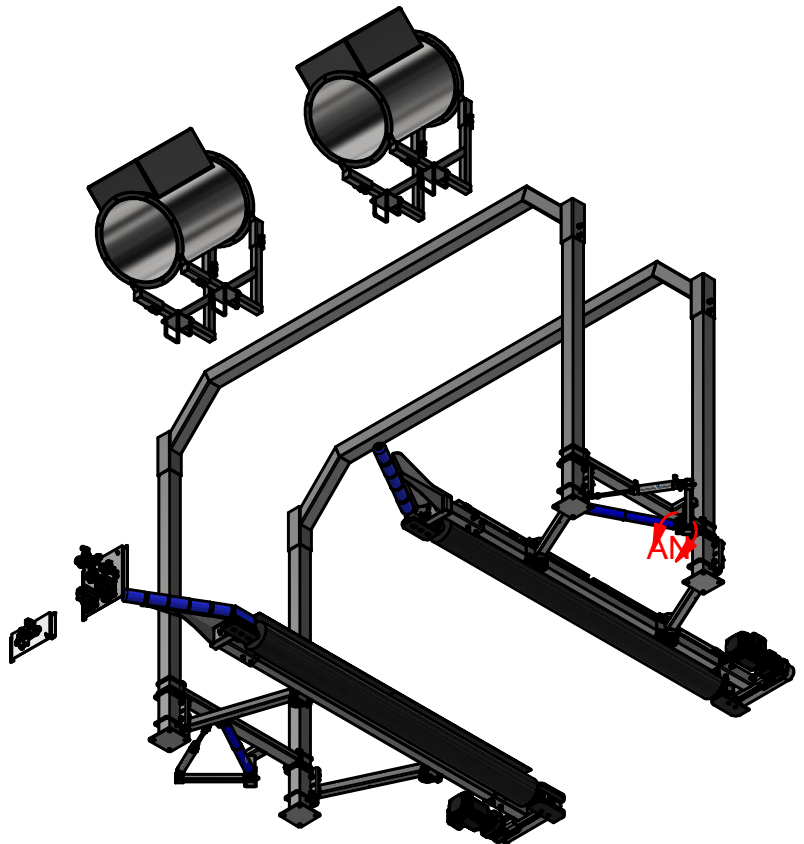
DETAIL AL



DETAIL AM



DETAIL AN



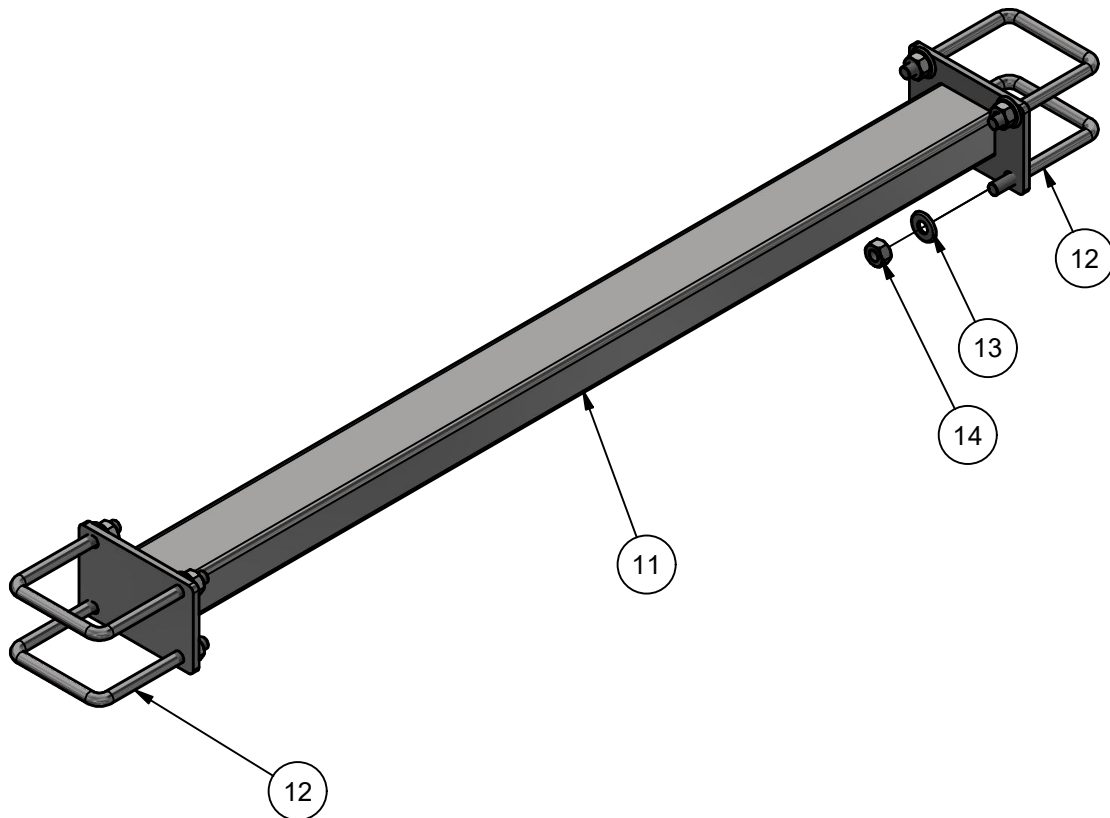
### FINISHING MODULE - DETAIL ASSEMBLIES

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	FM1AA-C	1	Penta Arch - Top Crossbar 12'	K,L,M,N
2	AA0A	2	Sq. Leg Straight 96" LG 11Ga	K,L,M,N
3	SQHS1213100	8	Sq. Head Set Scew 1/2"-13 x 1" LG SS	



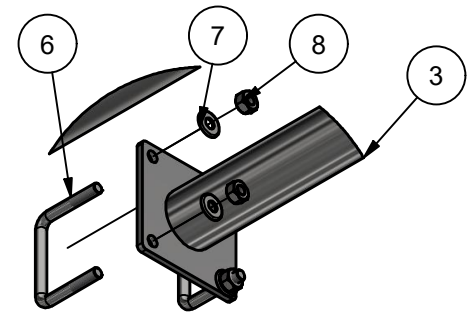
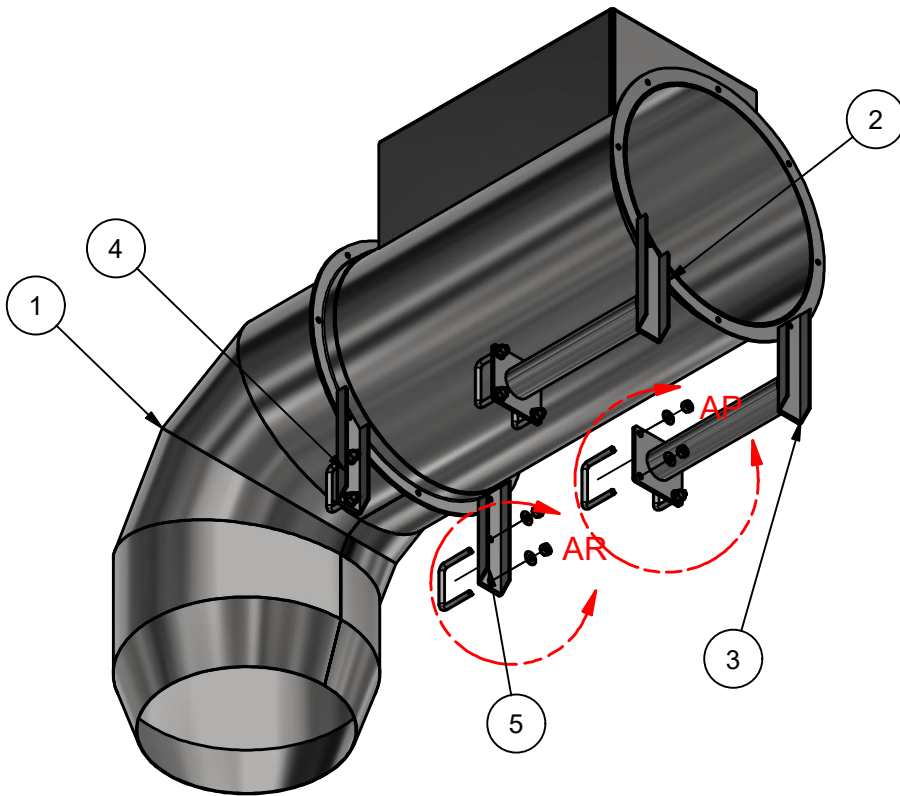
Finishing Module Penta Arch

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
11	RCTSS7GX200X300X04338	1	Rct. Tubing #7Ga 2" x 3" x 43 3/8" LG	K,L
12	UB-SQ050x1500	4	U-Bolt (Square): 1/2" x 4" x 5-1/4"	K,L
13	FW12	8	1/2" Flat Washer	K,L
14	HN1213	8	Hex Nut, 1/2-13, SS	K,L
15	FM1DA	2	Steel Plate #5/16" x 4" x 6" LG.	K,L

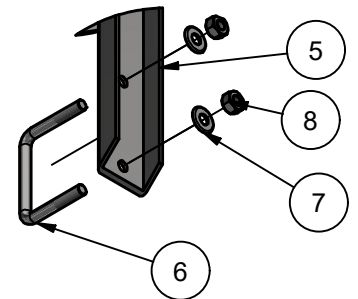


Finishing Module Heater Brace Bar

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	FM1HA	1	Solaronic Heater w/ 90 deg Duct	K,L
2	HT2AA	1	Heater Mounting Bracket - Back Driver, Without U-Bolt	K,L
3	HT2BA	1	Heater Mounting Bracket - Back Passenger, Without U-Bolt	K,L
4	HT21	1	Mounting Bracket, Inner, Driver Side of Unit, Without U-Bolt	K,L
5	HT22	1	Mounting Bracket, Inner, Passenger Side of Unit, Without U-Bolt	K,L
6	UB - SQ050X400X325X1100	6	Square U Bolt D 1/2" x 4" x 3 1/4" LG	K,L
7	FW12	12	1/2" Flat Washer	K,L
8	HN1213	12	Hex Nut, 1/2-13, SS	K,L



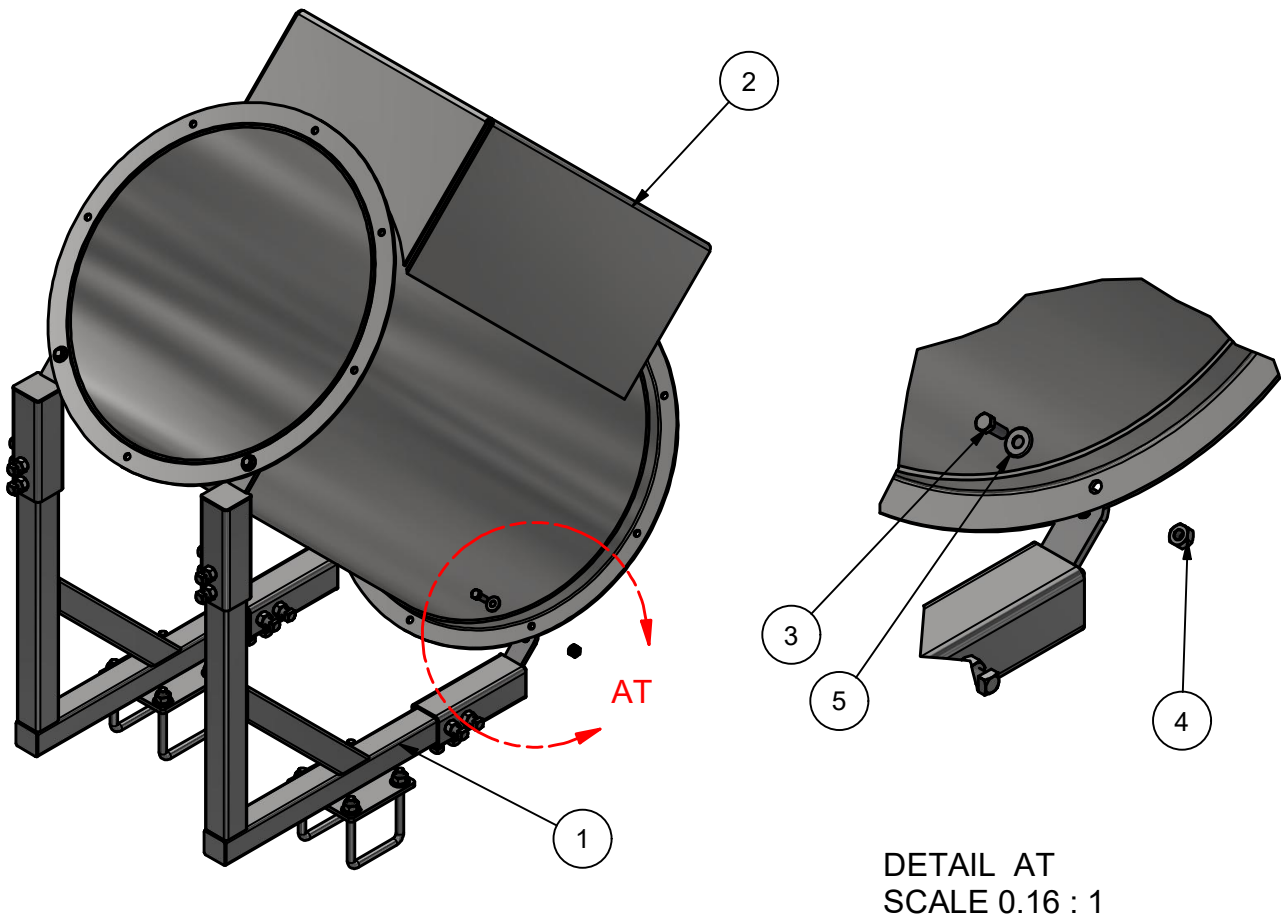
DETAIL AP



DETAIL AR

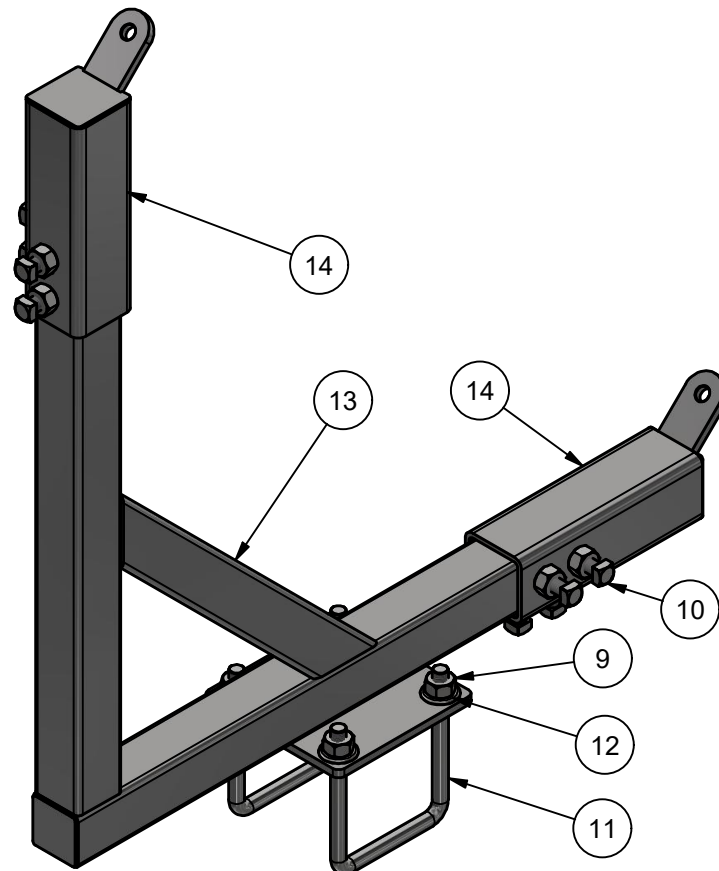
### Finishing Module Solaronic 90° Heater

Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	HF2	2	45 Deg Heater Frame	M,N
2	FM1HA-45	1	Solaronic Heater with Duct	M,N
3	HHCS3816100	4	Hex Head Cap Screw 3/8" - 16 x 1", SS	M,N
4	HN3816	4	Hex Nut: 3/8"-16 SS	M,N
5	FW38	4	Flat Washer: 3/8" SS	M,N



Finishing Module Solaronic 45° Heater

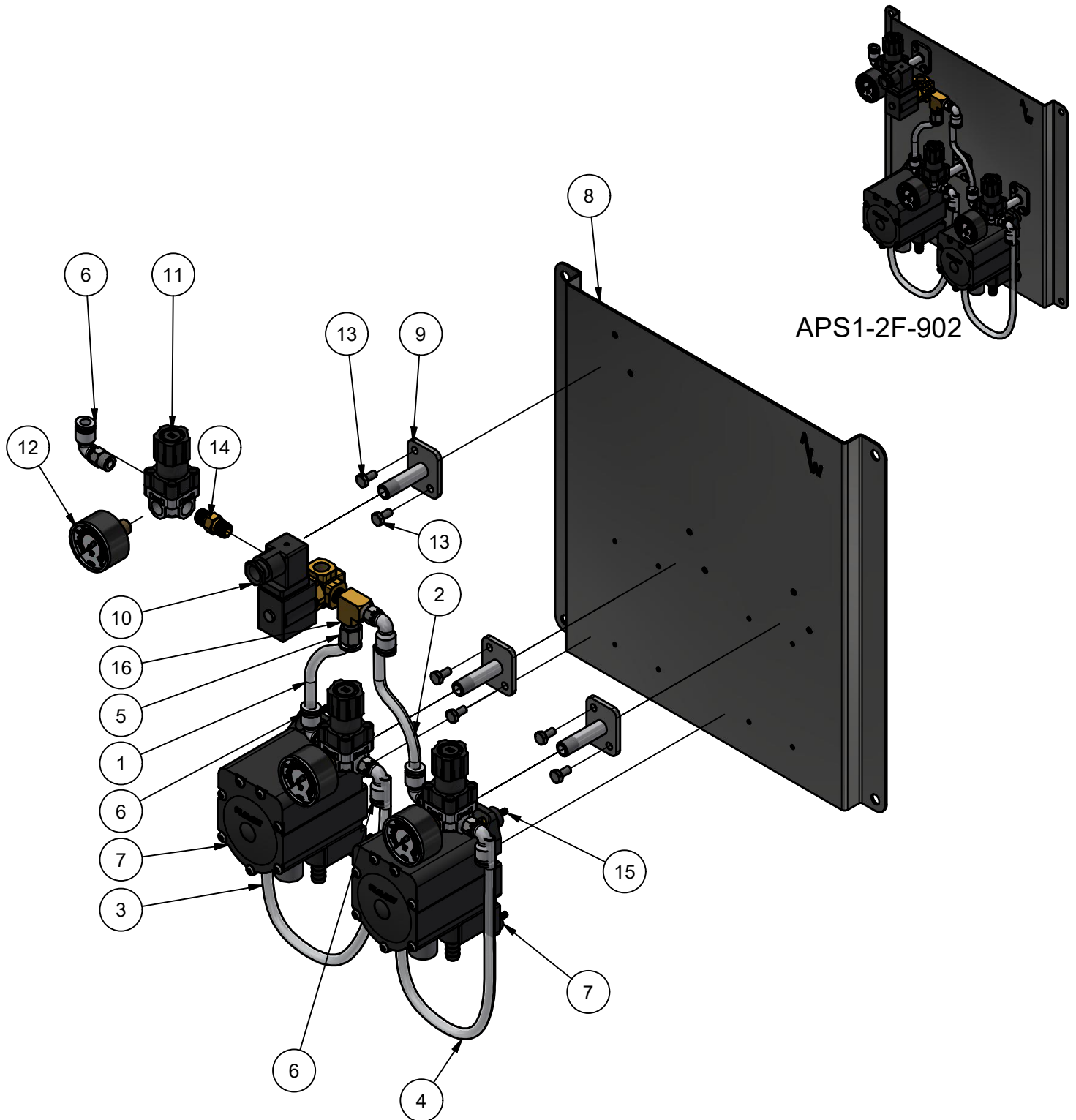
Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
9	HN1213	4	Hex Nut, 1/2-13, SS	M,N
10	SQHS1213075	8	1/2" - 13 x 0.75" UNC Square Screw	M,N
11	UB - SQ050X400X525X1500	2	Square U Bolt D 1/2" x 4" x 5 1/4" LG	M,N
12	FW12	4	1/2" Flat Washer	M,N
13	HF2A	1	45° Heater Frame Weldment for Solaronic Heater attachment	M,N
14	HF2B	2	Sleeve with Bracket for 45° Heater Frame Attachment with Fastener set, 2 1/2" x 2 1/2" x 8" LG	M,N



45° Heater Frame

### CHEMICAL PUMP PANEL

Parts List - Hydraulic/Electric Drive				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	AH3814-00	1	Tubing (PARFLEX/PE): 3/8"O.D. x .062 Wall x 6"LG	All Configurations
2	AH3814-01	1	Tubing (PARFLEX/PE): 3/8"O.D. x .062 Wall x 7"LG	All Configurations
3	AH3814-03	1	Tubing (PARFLEX/PE): 3/8"O.D. x .062 Wall x 13"LG	All Configurations
4	AH3814-04	1	Tubing (PARFLEX/PE): 3/8"O.D. x .062 Wall x 13-1/2"LG	All Configurations
5	APF3814	1	Push-Connect Fitting, Straight, 3/8" x 1/4" NPT	All Configurations
6	APF3814-EL90	6	Push-Connect Fitting, 90° Elbow, 3/8" x 1/4" NPT	All Configurations
7	APS1F-S	2	Pump, Flojet G57, Santoprene, 1/2" HB-ST liquid fittings, 1/4" HB-ST brass air fitting	All Configurations
8	APS1P-2F-01	1	Dual Flojet Pump Panel Assembly	All Configurations
9	APS1SFB	3	Stand-off bracket, Air Pumping Station	All Configurations
10	APS1-SV1-SMC	1	Valve Assembly-Solenoid: 1/4", SMC	All Configurations
11	AREG1-4-R-SMC	3	Regulator for Air Control and Air Assist Panel	All Configurations
12	AREG1-G14	3	Gauge 0-160 PSI, 1/4" NPT	All Configurations
13	HHCS1420050	6	1/4" - 20 x 0.5" UNC Hex Screw	All Configurations
14	NPLBR025HEX	1	Nipple, Hex, 1/4" NPT, Brass	All Configurations
15	SRMS1032100-BR	8	Machine Screw 10-32 x 1"	All Configurations
16	TEE-S-BR025	1	Street Tee Barstock: 1/4"NPT	All Configurations

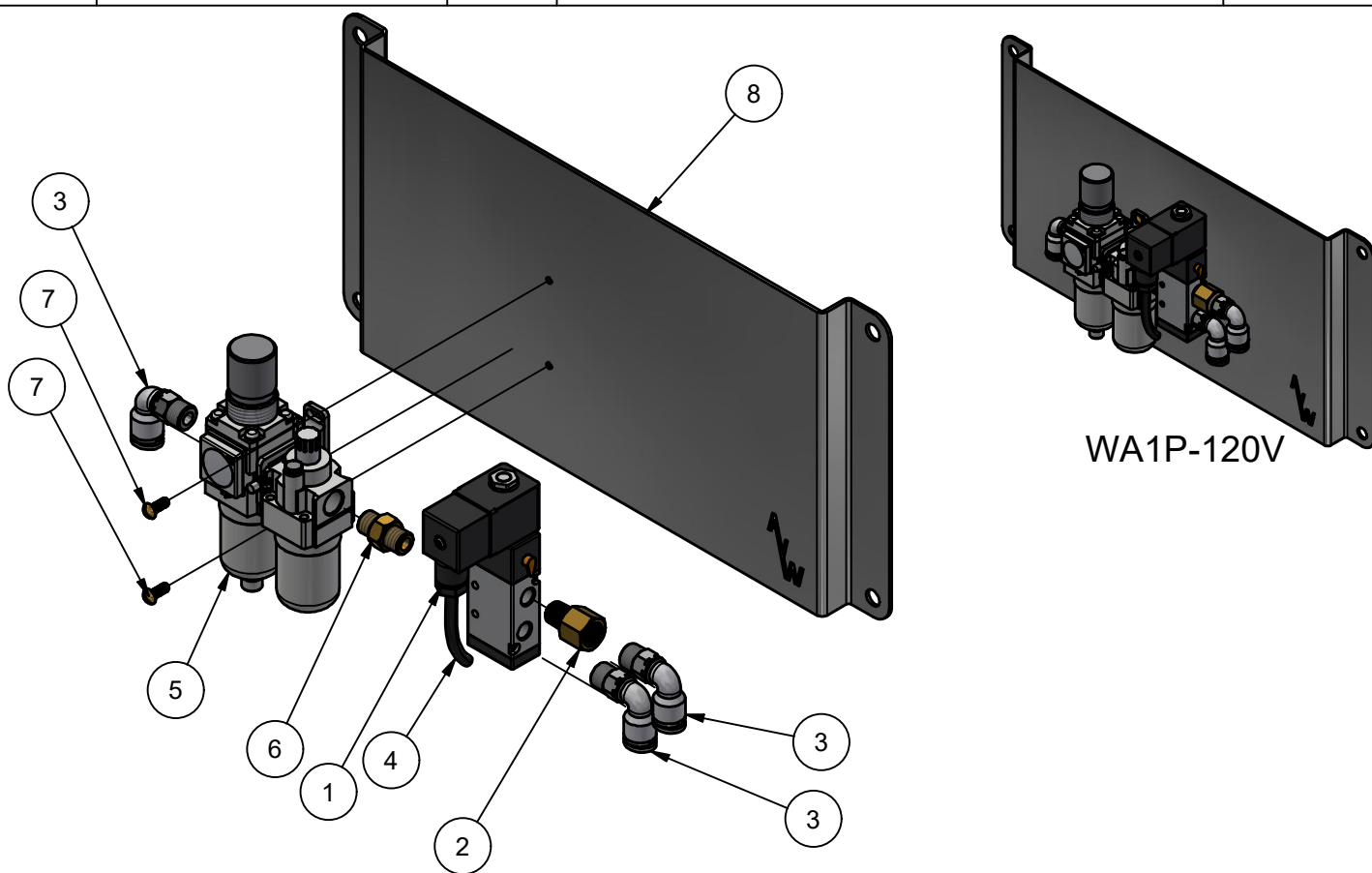


Tire Dressing Applicator Air Pumping Station with 2 Flojet Pumps

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### AIR CONTROL PANEL

Parts List - Hydraulic/Electric Drive				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	4WDV1-4VL-F-120V	1	Valve (Directional): 4-Way Fabco 1/4" NPT Ports, 110VAC, With coil with 30mm DIN Connector	A,B,C,D,E,F,G,H,I,J
2	ADPTBR025FNPT025MNPT	1	Adapter-Pipe Fitting 1/4"(F)X1/4"(M), Brass	A,B,C,D,E,F,G,H,I,J
3	APF3814-EL90	3	Push-Connect Fitting, 90° Elbow, 3/8" x 1/4" NPT	A,B,C,D,E,F,G,H,I,J
4	CBL18G-3WIRES-028	1	Cable SJOOW, Black outer insulation, 18gauge, 3 wires, 28"LG	A,B,C,D,E,F,G,H,I,J
5	FRL1-4-SMC	1	Filter, Regulator, Lubricator-1/4", w/Built-in Pr Gauge	A,B,C,D,E,F,G,H,I,J
6	NPLBR025HEX	1	Brass Hex Nipple 1/4" NPT	A,B,C,D,E,F,G,H,I,J
7	SRMS1032050-BR	2	Machine Screw: 10-32 x 1/2" LG, Round, Slotted, Brass	A,B,C,D,E,F,G,H,I,J
8	WA1PA	1	Plate Air Control Panel, 304SS	A,B,C,D,E,F,G,H,I,J

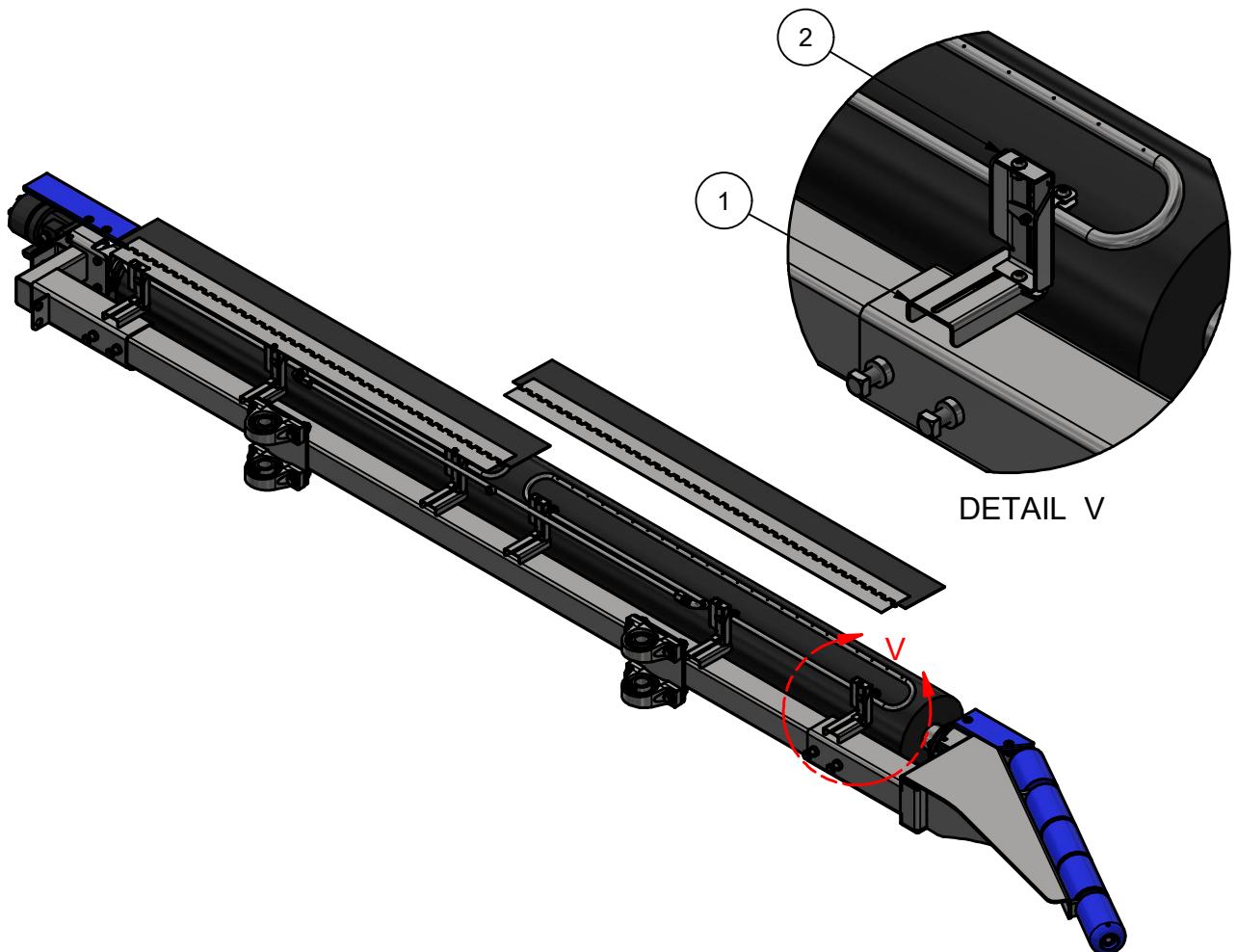


Tire Dressing Applicator Air Control Panel-120VAC, with 4 Way Directional Valve

### LOOP MANIFOLD ACCESSORY

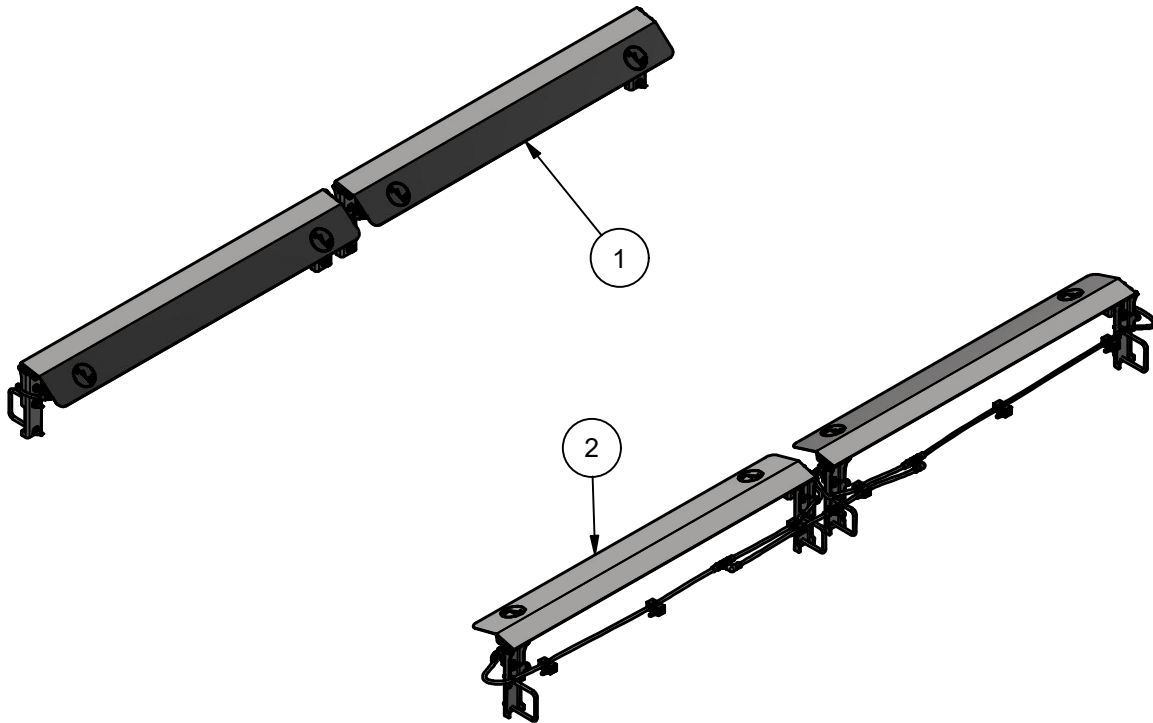
Parts List				
ITEM	PART NUMBER	QTY	DESCRIPTION	ID
1	TB3AAD	1	Manifold and Hinge Holder Assembly	A,B,E,F,I,J
2	TB3AAAAJ	1	Manifold Assembly Mounting Plate(Parts to be welded on the frame)	A,B,E,F,I,J

Part numbers for the loop style Manifold Holder. (If customer asks for a replacement for old style holders)



### RETROFIT KIT

#### Retrofit Kit for Tire Dressing Applicator - TB3-0325-MRK-X2

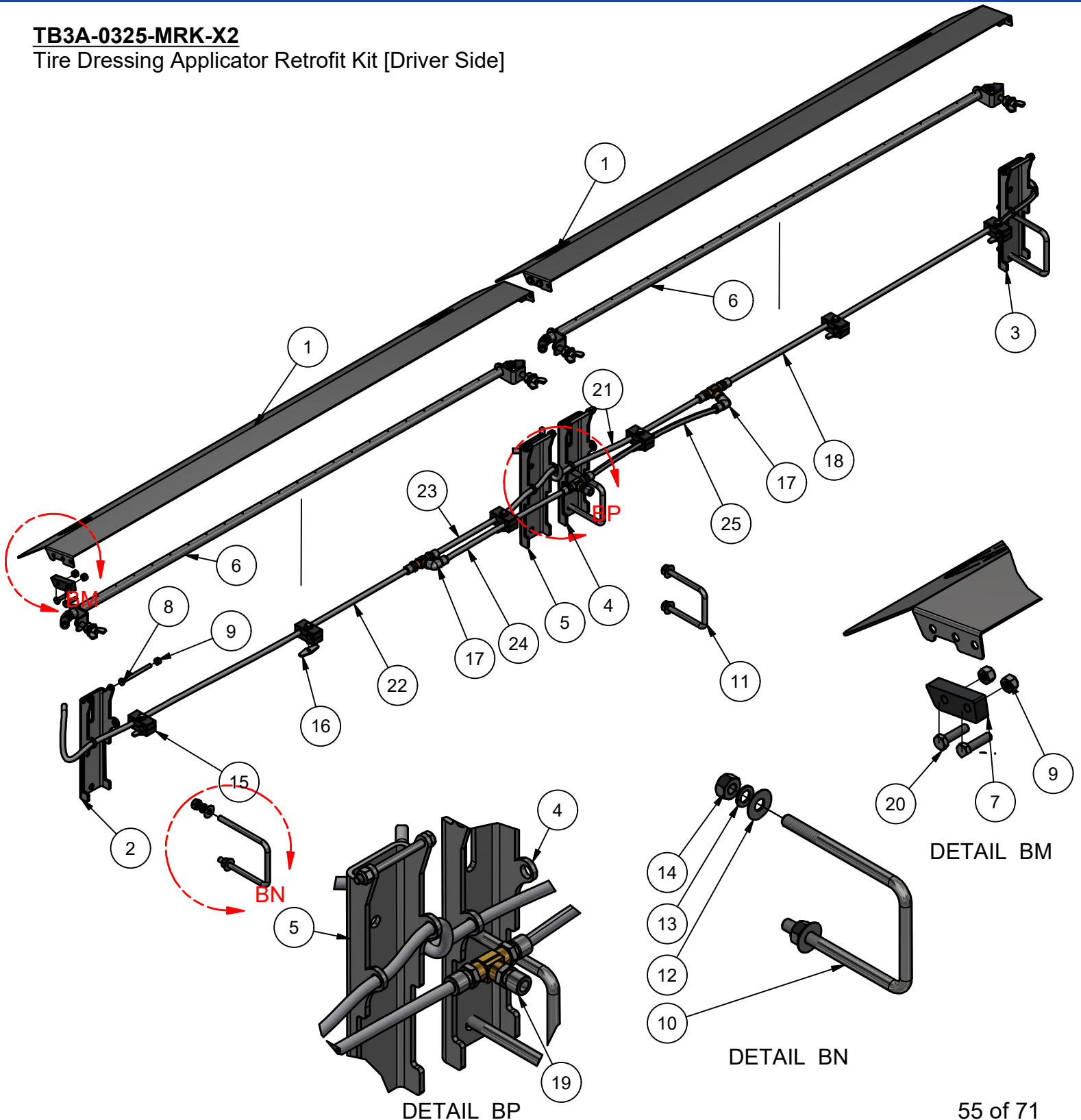


Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB3A-0325-MRK-X2	1	Tire Dressing Applicator Retrofit Kit [Driver Side]
2	TB3B-0325-MRK-X2	1	Tire Dressing Applicator Retrofit Kit [Passenger Side]

TB3A-0325-MRK-X2 Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB3AAE-0325	2	SS Manifold Cover [16Ga] 7 1/2" x 51" LG
2	TB3AADS350-0325	1	Bracket with slot for Mounting Manifold and Cover on tire shine Sleeve, [7Ga] 2 1/2" x 9 3/4" LG
3	TB3AADH350-0325	1	Bracket with hole for Mounting Manifold and Cover on tire shine Sleeve [7Ga] 2 1/2" x 9 3/4" LG
4	TB3AADS300-0325	1	Bracket with slot for Mounting Manifold and Cover on tire shine cross bar [7Ga] 2 1/2" x 9 3/4" LG
5	TB3AADH300-0325	1	Bracket with hole for Mounting Manifold and Cover on tire shine cross bar [7Ga] 2 1/2" x 9 3/4" LG
6	TB2MAAA-0325	2	Straight Tube Manifold assembly with fasteners for Tire Shine, 46 7/8" LG, One side needs two pieces
7	TB3AAEA-0325	4	UHMW seat for Manifold Cover in tire shine, #1/2"x 7/8"x 2" LG
8	HHCS1420300	4	Hex Head Cap Screw: 1/4"-20 X 3", SS
9	NLN1420	12	Nylon Lock Nut 1/4"-20
10	UB-SQ375X350X1350	2	Square U Bolt 3/8" x 4" x 5" LG
11	UB-SQ0375X1150	2	Square U Bolt D 3/8" x 3" x 4 1/4" LG
12	FW38	8	Flat Washer: 3/8" SS
13	SLW38	8	3/8" Split Lock Washer
14	HN3816	8	Hex Nut: 3/8"-16 SS
15	DMP12	6	Clamp (Damping)
16	TB3AADB	6	Nut Plate, Plate #12Ga x 1-7/8" x 5/8"
17	TB3A-FITT-A-0325	2	Fittings assembly with Tee, 2 straight push to connect fitting and 90 degree elbow
18	TB3A-HOSE-D-0325	1	Hose conneted to 45 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 40" LG
19	TB3A-FITT-B-0325	1	Fittings assembly with Tee, 2 straight push to connect fitting
20	HHCS1420100	8	Hex Head Cap Screw: 1/4" -20 X 1", SS
21	TB3A-HOSE-B-0325	1	Hose conneted to 45 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 15" LG
22	TB3A-HOSE-A-0325	1	Hose conneted to 45 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 40" LG
23	TB3A-HOSE-C-0325	1	Hose conneted to 45 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 15" LG
24	TB3A-HOSE-E-0325	1	Hose conneted to 90 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 18" LG
25	TB3A-HOSE-F-0325	1	Hose conneted to 90 degree Push to connect Elbow and Straight Push to connect fitting, 3/8" OD X 18" LG

### TB3A-0325-MRK-X2

Tire Dressing Applicator Retrofit Kit [Driver Side]



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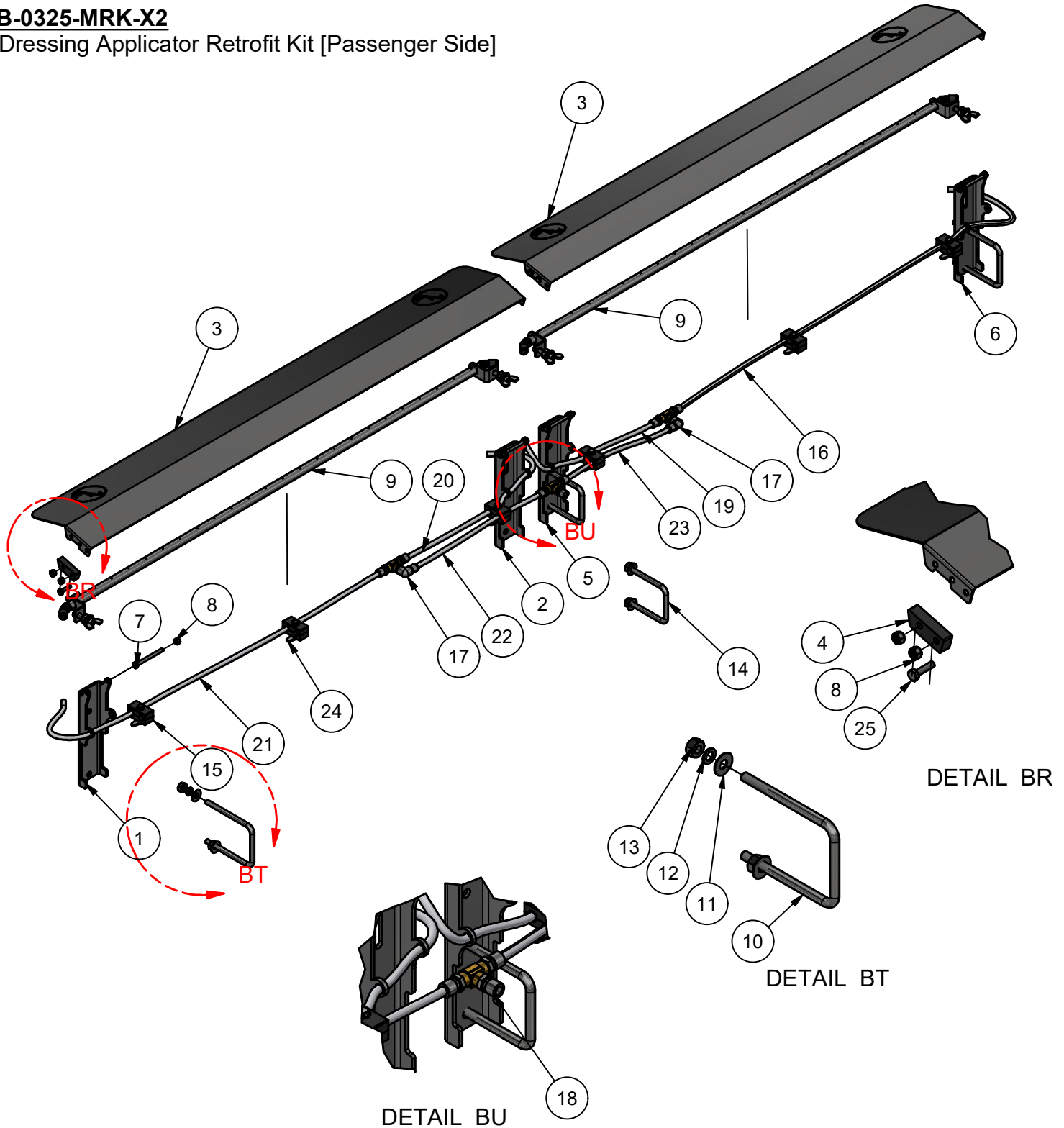
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Rev C

TB3B-0325-MRK-X2 Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB3AADH350-0325	1	Bracket with hole for Mounting Manifold and Cover on tire shine Sleeve [#7Ga] 2 1/2" x 9 3/4" LG
2	TB3AADS300-0325	1	Bracket with slot for Mounting Manifold and Cover on tire shine cross bar [#7Ga] 2 1/2" x 9 3/4" LG
3	TB3AAE-0325	2	SS Manifold Cover [16Ga] 7 1/2" x 51" LG
4	TB3AAEA-0325	4	UHMW seat for Manifold Cover in tire shine, #1/2"x 7/8"x 2"LG
5	TB3AADH300-0325	1	Bracket with hole for Mounting Manifold and Cover on tire shine cross bar [#7Ga] 2 1/2" x 9 3/4" LG
6	TB3AADS350-0325	1	Bracket with slot for Mounting Manifold and Cover on tire shine Sleeve, [#7Ga] 2 1/2" x 9 3/4" LG
7	HHCS1420300	4	Hex Head Cap Screw: 1/4"-20 X 3", SS
8	NLN1420	12	Nylon Lock Nut 1/4"-20
9	TB2MAAA-0325	2	Straight Tube Manifold assembly with fasteners for Tire Shine, 46 7/8"LG, One side needs two pieces
10	UB-SQ375X350X1350	2	Square U Bolt 3/8" x 4" x 5" LG
11	FW38	8	Flat Washer: 3/8" SS
12	SLW38	8	3/8" Split Lock Washer
13	HN3816	8	Hex Nut: 3/8"-16 SS
14	UB-SQ0375X1150	2	Square U Bolt D 3/8" x 3" x 4 1/4" LG
15	DMP12	6	Clamp (Damping)
16	TB3B-HOSE-A-0325	1	Hose Connected to 45 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 40" LG
17	TB3A-FITT-A-0325	2	Fittings assembly with Tee, 2 straight push to connect fitting and 90 degree elbow
18	TB3A-FITT-B-0325	1	Fittings assembly with Tee, 2 straight push to connect fitting
19	TB3B-HOSE-B-0325	1	Hose Connected to 45 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 15" LG
20	TB3B-HOSE-C-0325	1	Hose Connected to 45 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 15" LG
21	TB3B-HOSE-D-0325	1	Hose Connected to 45 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 40" LG
22	TB3B-HOSE-E-0325	1	Hose Connected to 90 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 18" LG
23	TB3B-HOSE-F-0325	1	Hose Connected to 90 degree push to connect elbow and straight push to connect fitting, 3/8" OD x 18" LG
24	TB3AADB	6	Nut Plate, Plate #12Ga x 1-7/8" x 5/8"
25	HHCS1420100	8	Hex Head Cap Screw: 1/4" -20 X 1", SS

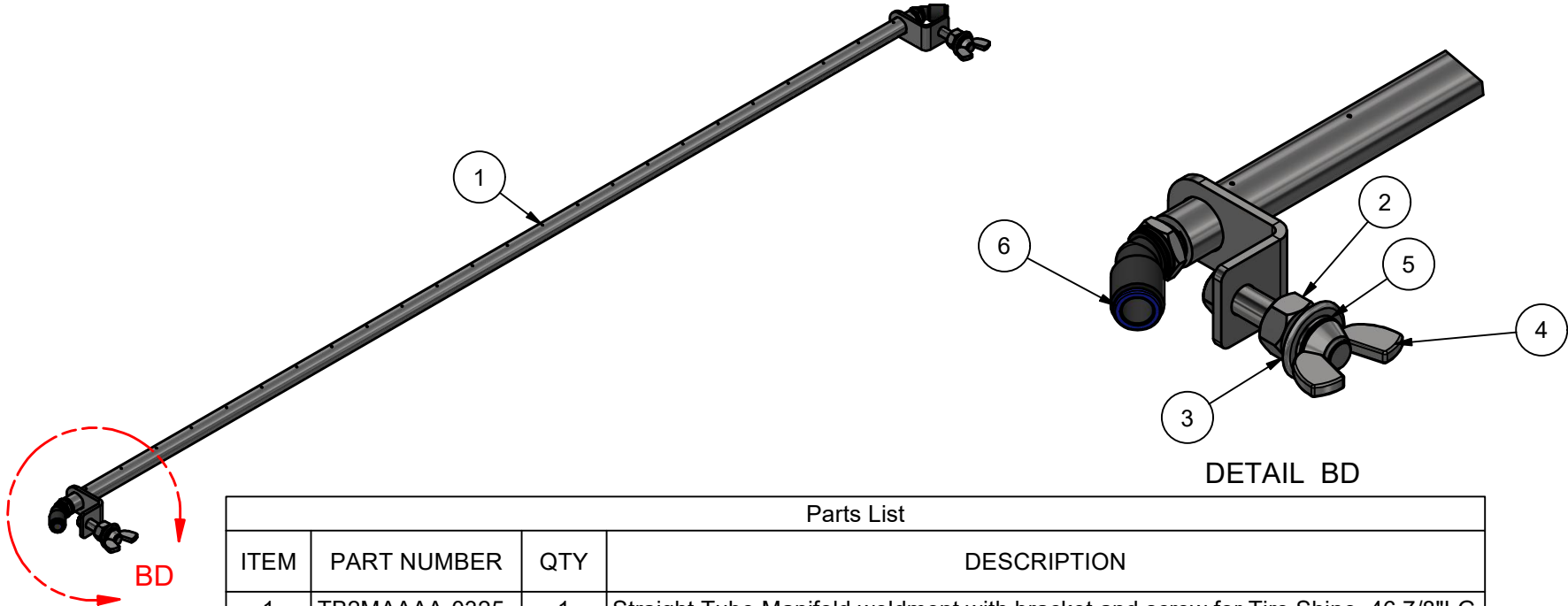
### TB3B-0325-MRK-X2

Tire Dressing Applicator Retrofit Kit [Passenger Side]



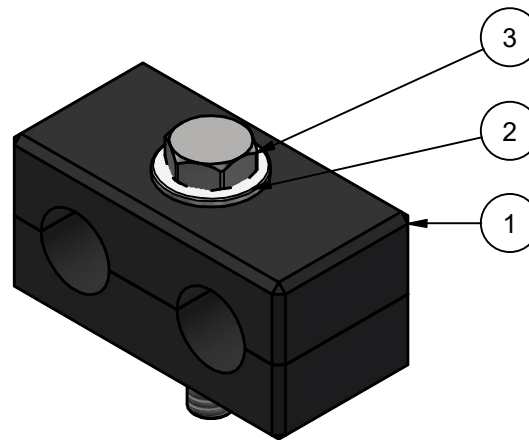
### **TB2MAAA-0325**

Straight Tube Manifold assembly with fasteners for Tire Shine, 46 7/8"LG, One side needs two pieces



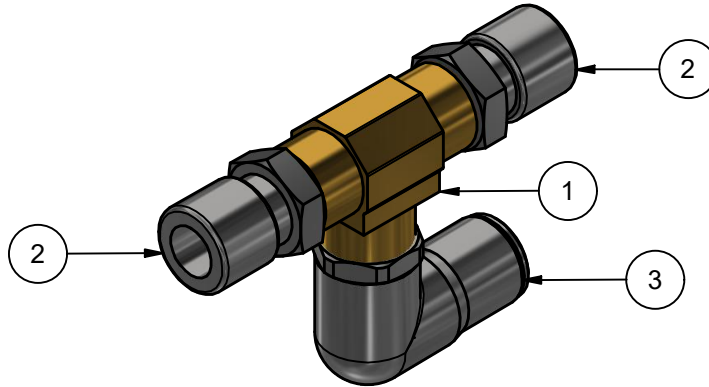
Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB2MAAAA-0325	1	Straight Tube Manifold weldment with bracket and screw for Tire Shine, 46 7/8"LG
2	HN3816	2	Hex Nut: 3/8"-16 SS
3	FW38	2	Flat Washer: 3/8" SS
4	WN3616	2	Wing Nut: 3/8"-16 SS
5	SLW38	2	3/8" Split Lock Washer
6	APF3814-EL45	2	3/8" TUBE X 1/4"MNPT PUSH TO CONNECT FITTING-45° ELBOW-BRASS

Note: Quantities listed in the table is just for one manifold. For one tire shine order which includes both driver and passenger side, multiply the quantities in the tabular column by 4.



**DMP12**  
Clamp (Damping)

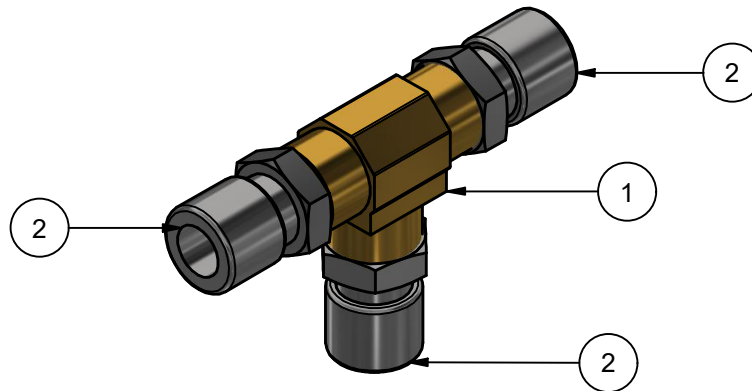
Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	DMP12A	2	UHMW Clamp Block 1/2" x 2" x 1"
2	FW14	1	Flat Washer 1/4" 18-8 (USS wide)
3	HHCS1420150	1	Hex Head Cap Screw: 1/4"-20 x 1-1/2", SS



### **TB3A-FITT-A-0325**

Fittings assembly with Tee, 2 straight push to connect fitting and 90 degree elbow

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB3A-FITTA-A-0325	1	Tee(Female) 1/4" FNPT
2	TB3A-FITTB-A-0325	2	Straight Adapter, SS, 1/4" NPT x 3/8" OD
3	TB3A-FITTC-A-0325	1	Elbow 90 Degree, SS, 1/4" NPT x 3/5" OD



### **TB3A-FITT-B-0325**

Fittings assembly with Tee, 2 straight push to connect fitting

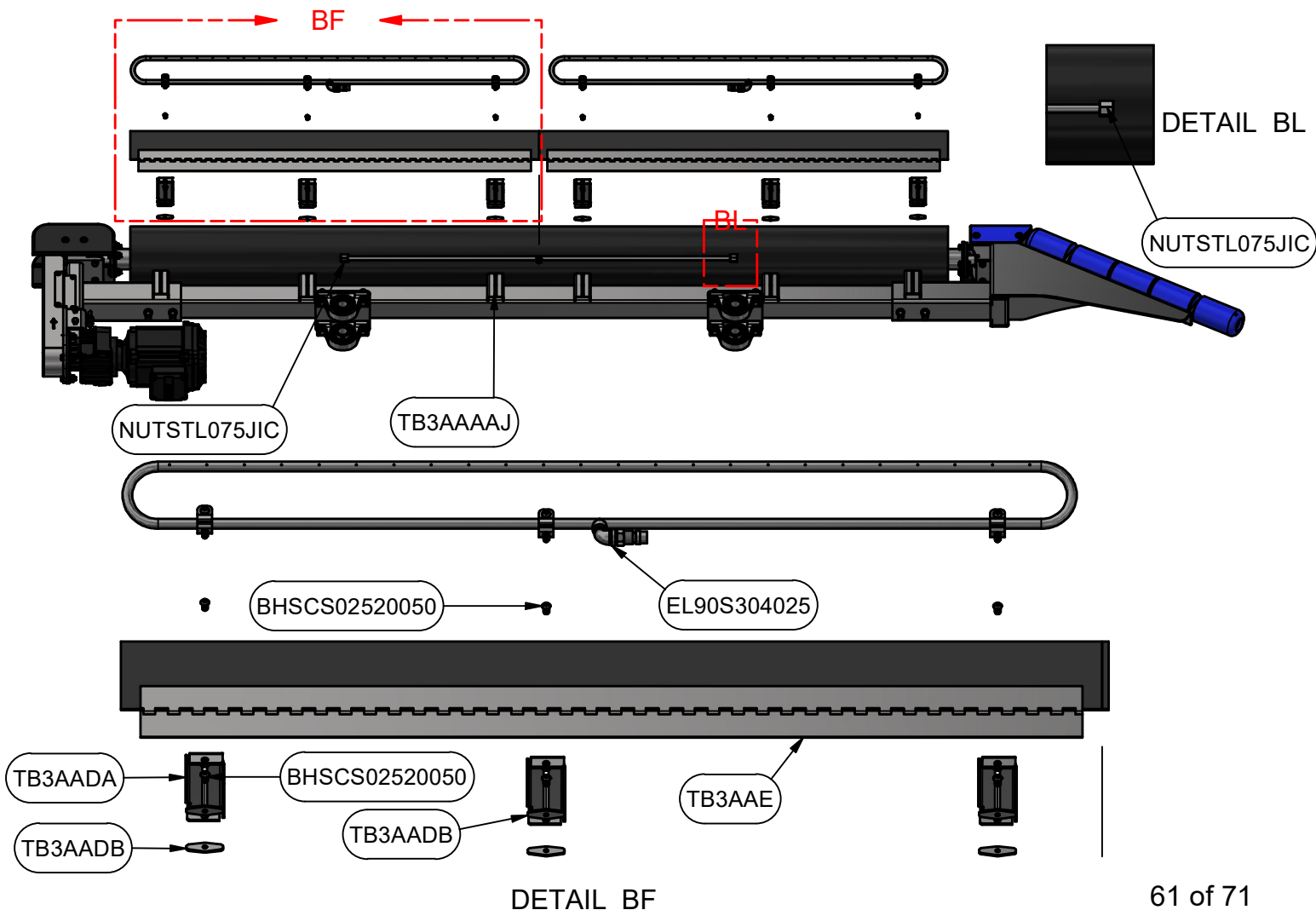
Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	TB3A-FITTA-A-0325	1	Tee(Female) 1/4" FNPT
2	TB3A-FITTB-A-0325	3	Straight Adapter, SS, 1/4" NPT x 3/8" OD

### RETROFIT INSTALLATION INSTRUCTIONS

#### Step 1: Removing Existing Components

##### A) Remove the Manifold Assembly Kit and Brackets as shown below

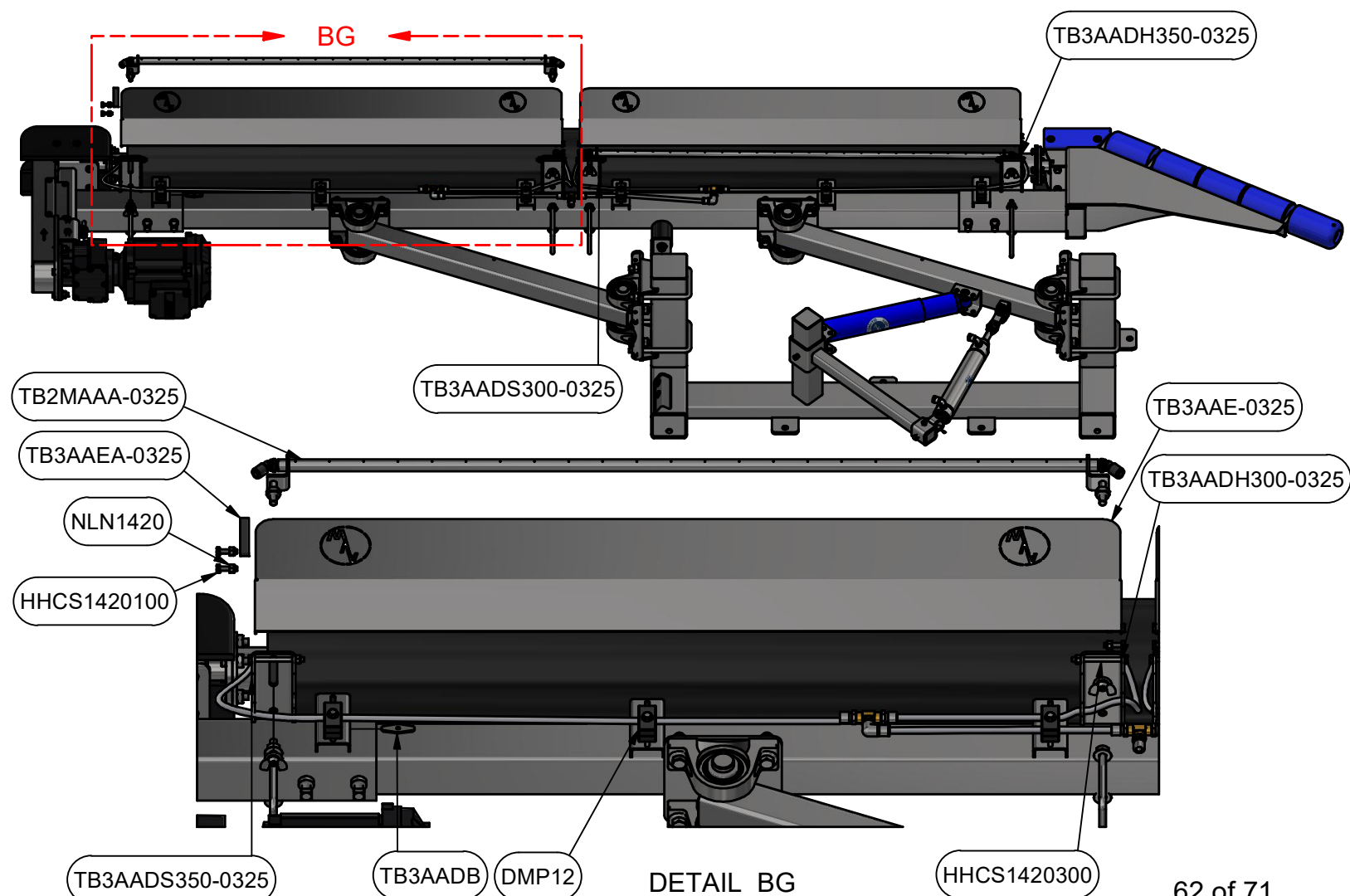
- Unscrew the button head cap screw BHSCS02520050 (6 Nos) to remove the manifold cover TB3AAE.
- Unscrew the nut NUTSTL075JIC (2 Nos) from the elbow EL90S304025 to remove the connecting manifold.
- Unscrew the nut plate TB3AADB (6 Nos) from the bracket TB3AADA to take out the loop manifold assembly.
- Unscrew the button head cap screw BHSCS02520050 (6 Nos) from the bracket TB3AADA.
- Slide out the nut plate TB3AADB (6 Nos) from the base bracket TB3AAAAJ.



Step 2: Installing Retrofit Components (Please refer to the parts list in page no. 54)  
Installing Brackets, Straight Manifold and Manifold Cover as shown below

A) Install the brackets with provided U-Bolts and fittings in an order such as the bracket with slot TB3AADS350-0325 comes first if we start from the motor side and then the bracket with hole TB3AADH300-0325. After that comes the bracket with slot TB3AADS300-0325 and the toward the entrance attach the bracket with hole TB3AADH350-0325. This is to adjust the manifold height based on the slope at the tunnel exit.

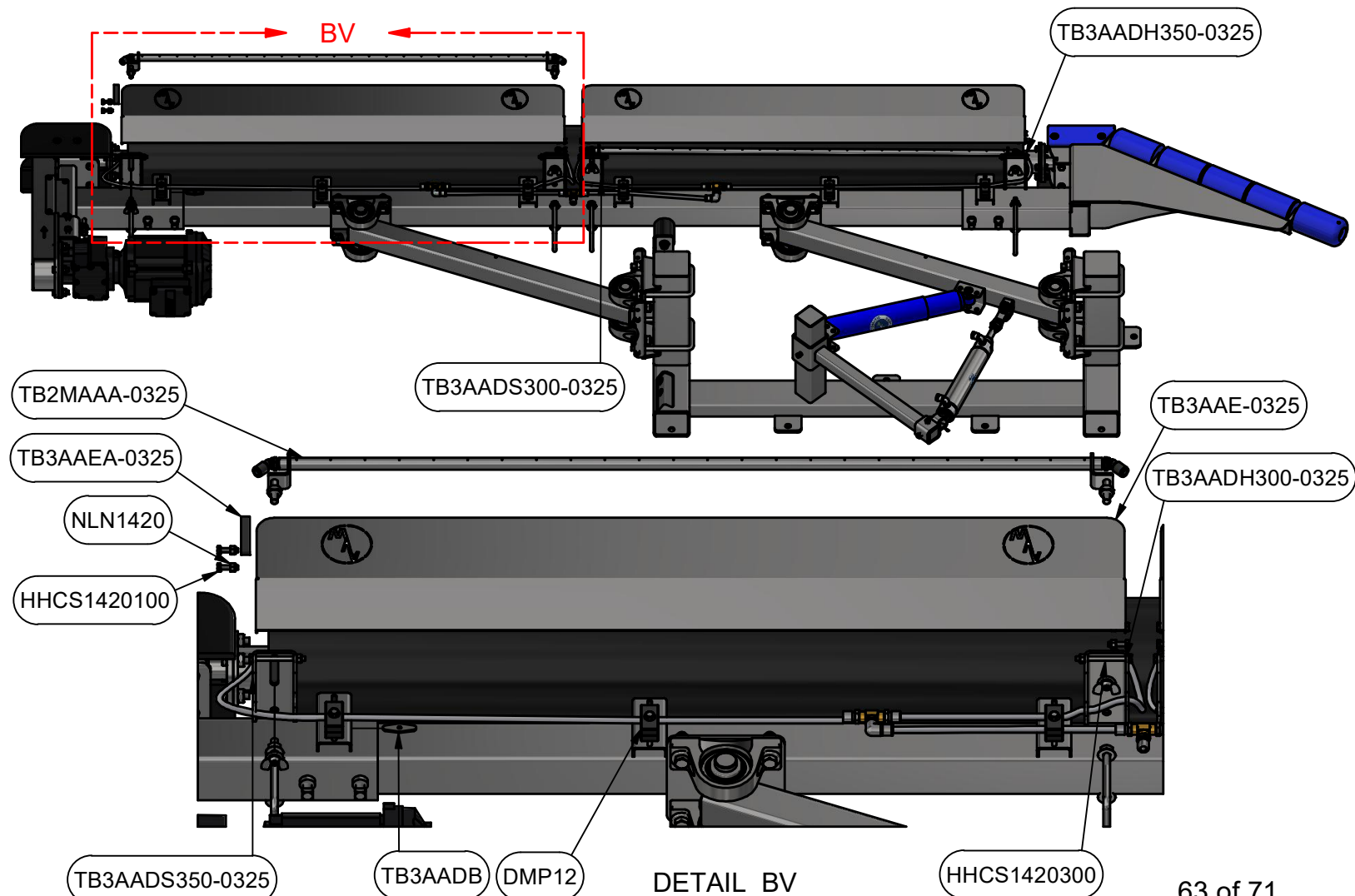
B) Install the part DMP12 and TB3AADB on the existing bracket. This assembly is used to route the chemical hose to the manifold.



C) Insert the manifold assembly TB2MAAA-0325 in to the brackets and fasten the assembly using the provided hex nut, flat washer, split lock washer and wing nut from the other side of the bracket.

D) Screw the rubber seat TB3AAEA-0325 to the manifold cover TB3AAE-0325 using the hex screw HHCS1420100 and lock nut NLN1420

E) Install the manifold cover TB3AAE-0325 to the brackets by sliding in the hex cap screw HHCS1420300 in to the bracket and manifold together and lock the other side of the hex cap screw using the provided lock nut NLN1420.



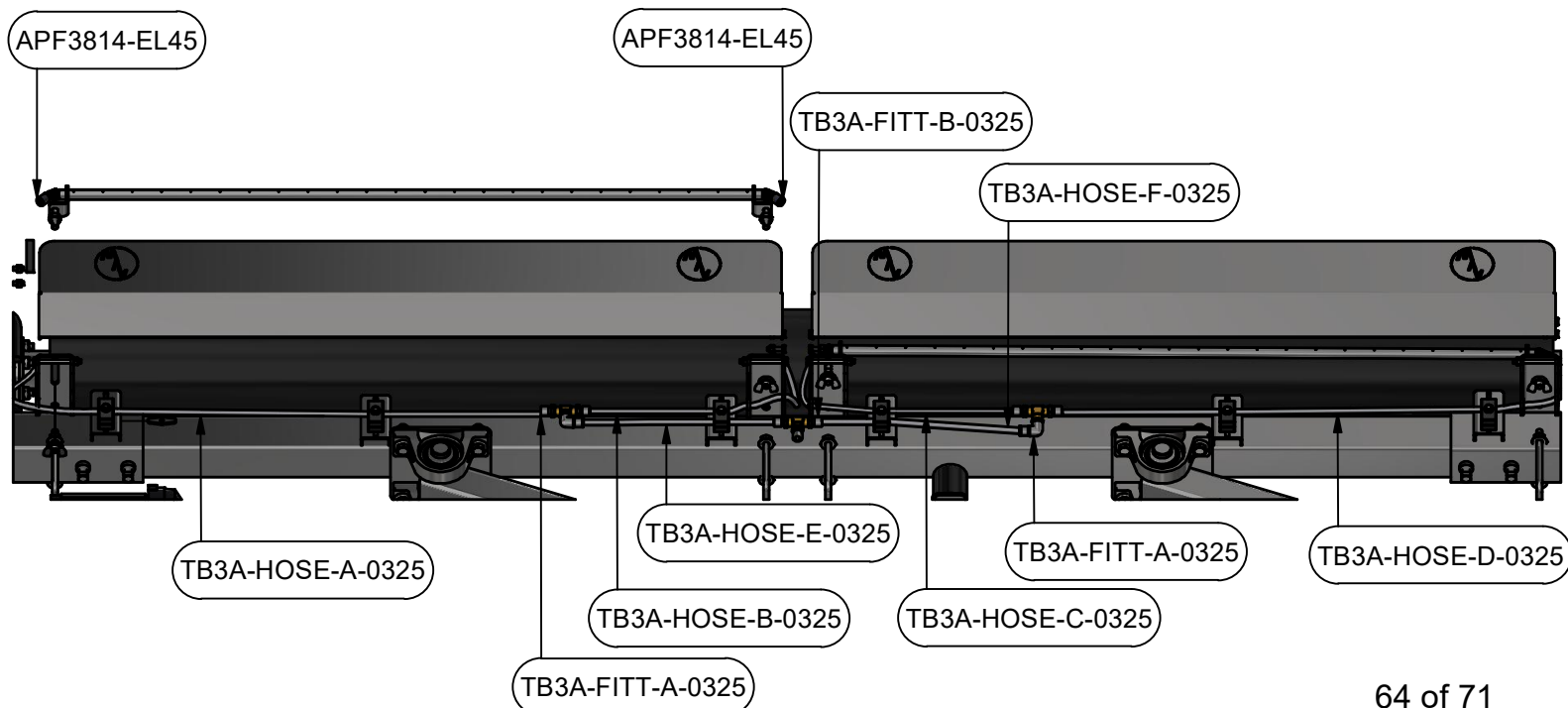
### Step 3: Routing the Hoses (Refer Page No. 54 & 58 for PNs)

A) Connect the first hose(TB3A-HOSE-A-0325) to 45° elbow (APF3814-EL45) of manifold. Route the hose and connect to the fitting assembly (TB3A-FITT-A-0325). The second hose(TB3A-HOSE-B-0325) should be connected to the same fitting assembly and route to the 45° elbow (APF3814-EL45) on the other end of the manifold.

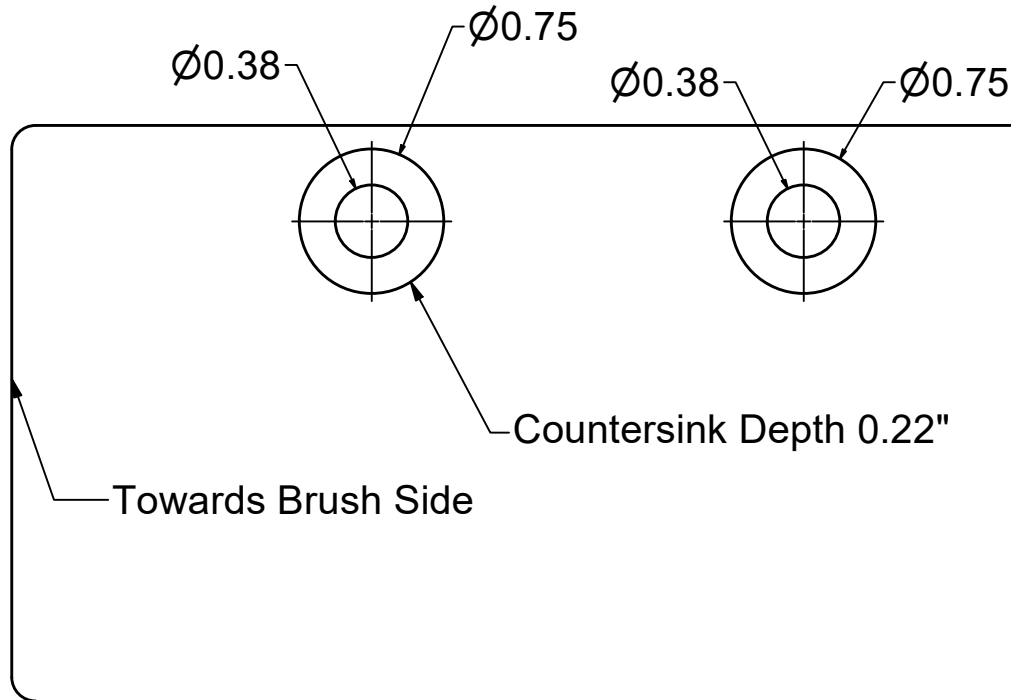
B) Similarly connect the third hose(TB3A-HOSE-C-0325) to 45° elbow (APF3814-EL45) of the manifold. Route the hose and connect to the second fitting assembly (TB3A-FITT-A-0325). The fourth hose(TB3A-HOSE-D-0325) should be connected to the same fitting assembly and routed to the 45° elbow on the other end of the manifold.

C) Connect the fifth hose (TB3-HOSE-E-0325) to the 90° elbow of the fitting assembly (TB3A-FITT-A-0325) and route to connect to the final fitting assembly (TB3A-FITT-B-0325). Similarly, connect the sixth hose (TB3-HOSE-F-0325) to the 90° elbow of the fitting assembly (TB3A-FITT-A-0325) and route to connect to the final fitting assembly (TB3A-FITT-B-0325).

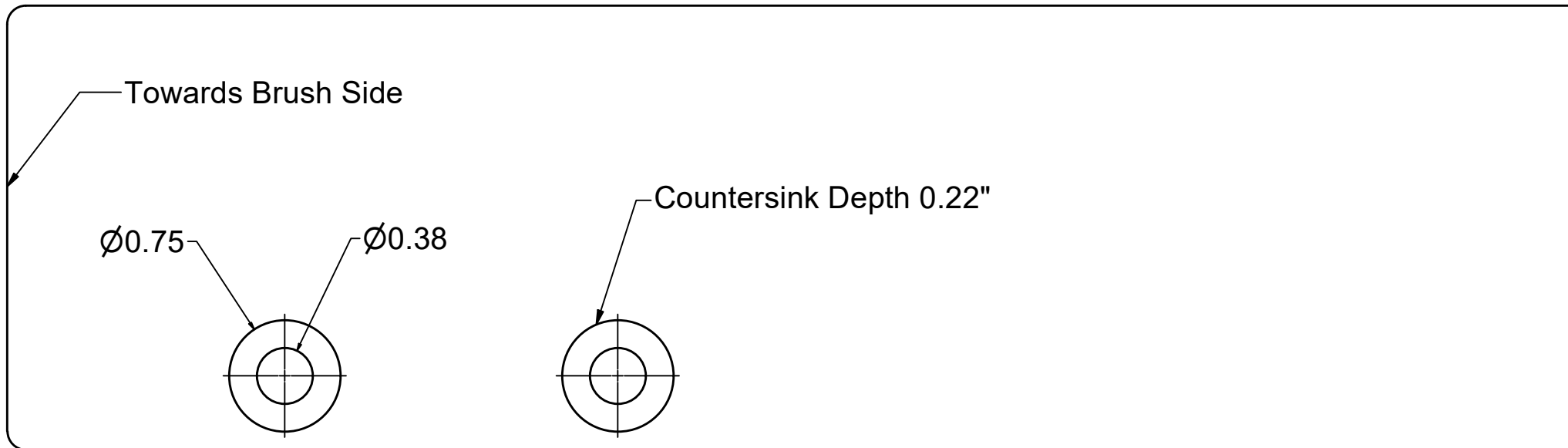
Similar step applies to both the Driver and Passenger sides



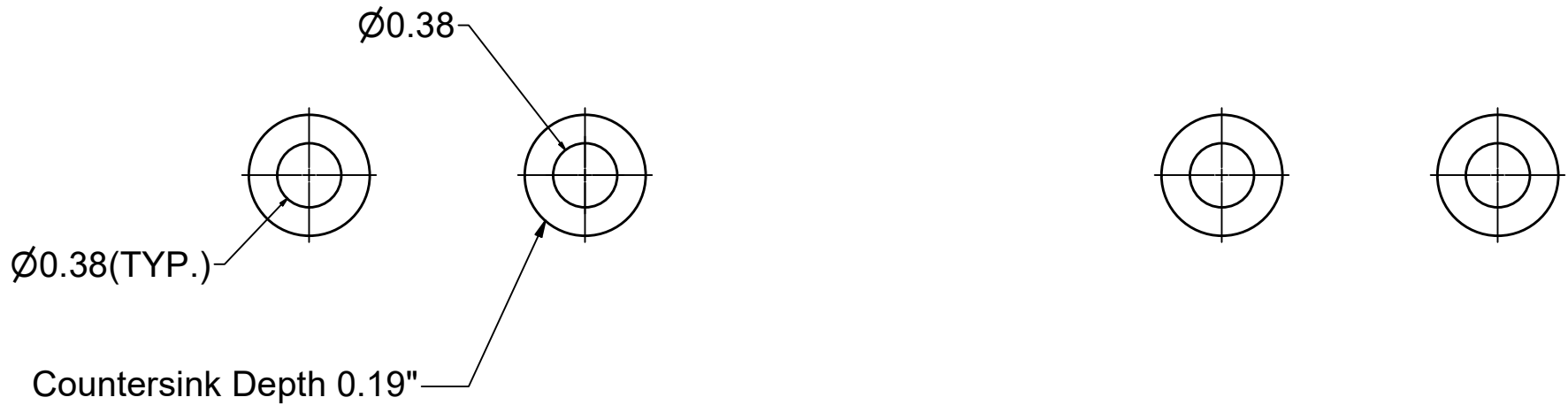
### TEMPLATES OF BUMPERS AND COVERS



Template for TB3AABB

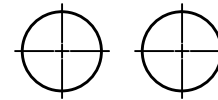
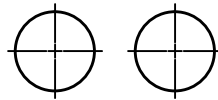
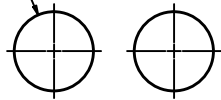


Template for TB3BABB

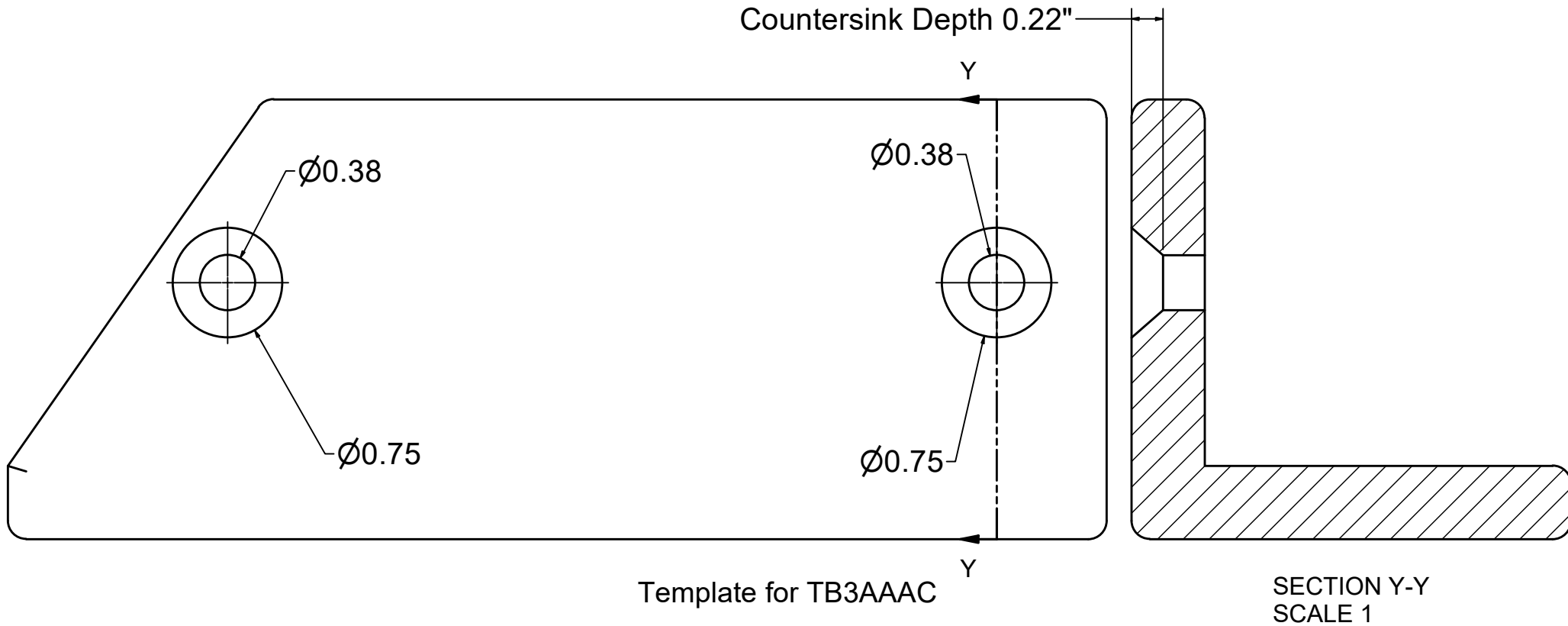


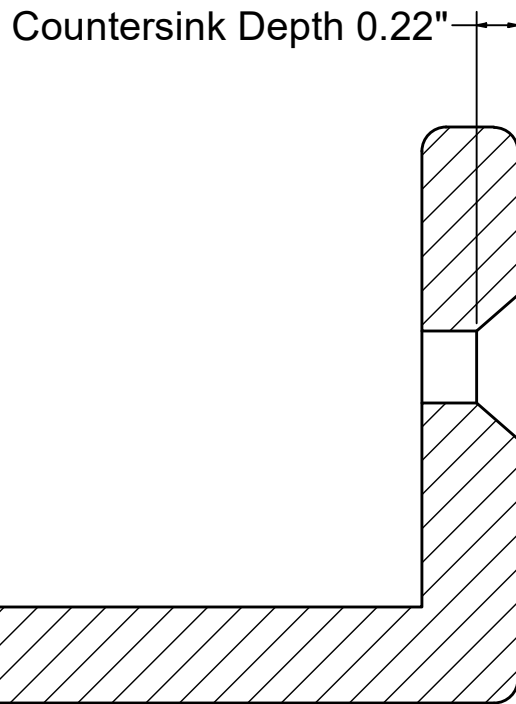
Template for TB3AABC

Ø0.41(TYP.)

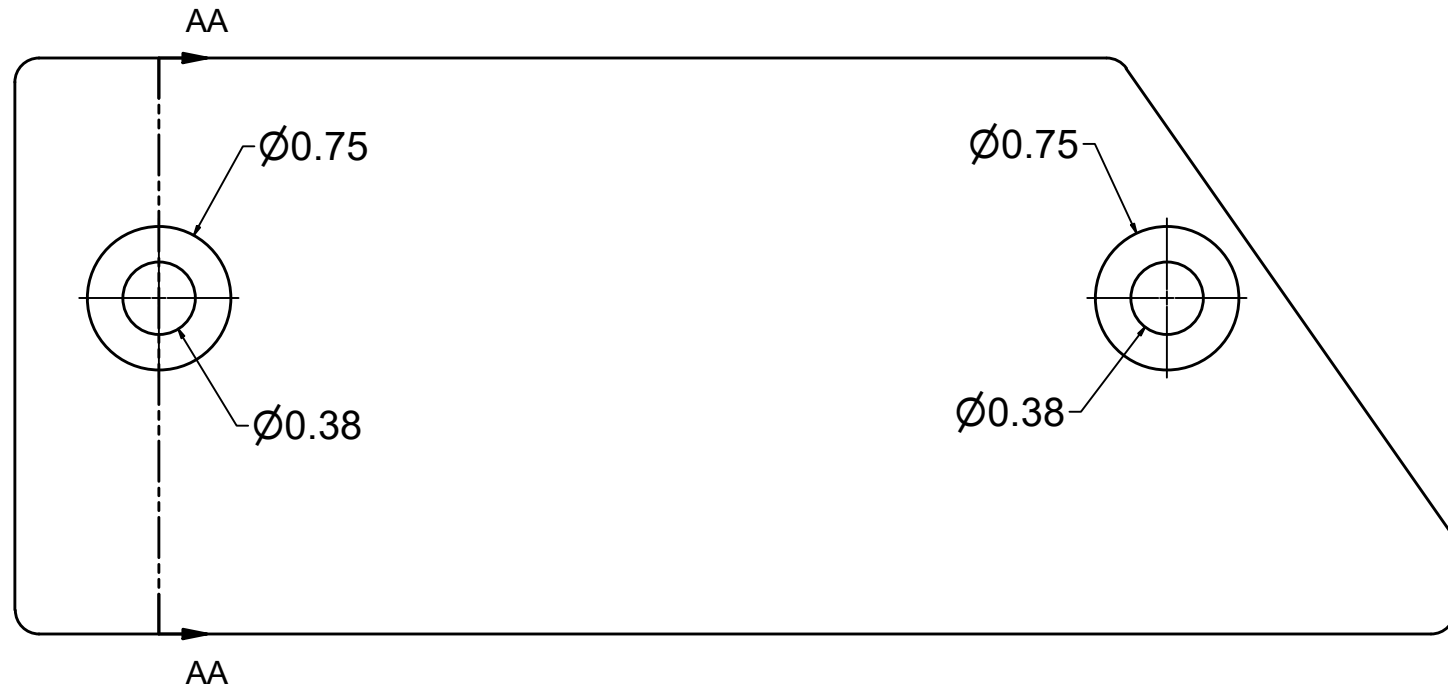


Template for TB3AAAB





SECTION AA-AA  
SCALE 1



Template for TB3BAAC

### REVISION TABLE

REVISION HISTORY				
REV	ECN#	DESCRIPTION	DATE	INITIALS
A		Initial Release	12/12/2024	RR
B		Added Finishing Module and stepped brush into accessories	1/27/2025	RR
C		Added index page, retrofit kit, installation instructions	08/27/2025	RR