



PARTS MANUAL
for
Models
1000, 1020, 1028-S, 1030, 1030-S, & 1032
Bale Loaders



Made in the USA
for
America's Agriculture



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All Parts Are Genuine MIL-STAK

MIL-STAK, Inc. has taken great care in the design and selection of simply the best manufactured parts available to build the MIL-STAK big bale stacker. Breakage of parts and wear are to be expected due to extreme operating conditions. However, you can still be assured that MIL-STAK wants to see you get your work done on time by keeping the parts shelves stocked and ready for you when you need them.

After your wise decision to purchase a MIL-STAK big bale stacker, please consider these points when in need of replacement parts.

**Original Quality
Availability of Quality Parts
Superior Customer Support
Down to Earth 'Operator to Operator' Knowledge**

**"Large Enough to Provide Quality
Yet Small Enough to Care"**

It is a policy of MIL-STAK, Inc to improve its products whenever it is possible and practical to do so. MIL-STAK, Inc. reserves the right to make changes or add improvements in the design or construction of parts at any time without incurring the obligation to install such changes on products previously delivered. Changes and additions to any portion of this manual may be made without notice by MIL-STAK, Inc. All illustrations, descriptive matter, and part numbers have been supplied by MIL-STAK, Inc., care has been taken to avoid errors. If you should find a possible error in this manual, please contact MIL-STAK, Inc. in writing explaining in detail the possible error. MIL-STAK, Inc. shall not be held responsible for any damages caused by such errors.



Parts Ordering

Parts orders may be placed by telephone, mail, or fax. Parts will be shipped UPS, FedEx, or DHL. On large parts, truck freight may be necessary. Cost of shipping will be added to parts invoice.

Phone Number: (208)-452-6045

Fax Number: (208)-452-6065

When ordering, please provide:

- } Part Number
- } Part Description
- } Model Number of Your Mil-Stak Machine
- } Serial Number of Your Mil-Stak Machine
- } Your Name, Shipping Address, & Telephone Number
- } Preferred Method of Shipment

MIL-STAK, Inc. makes every effort to have a parts stock available sufficient to meet your needs and ship the same day as order is received. Orders received after 2:00pm Mountain Standard Time will be shipped the next day. If rush orders require extra handling, an extra fee may be charged on that order. MIL-STAK, Inc. reserves the right to increase or decrease parts prices as required and at the discretion of the management without notice to the customer.

Claims for shortage or error in handling of an order of parts must be made within 30 days following the date on the receipt for shipment. Parts ordered incorrectly by the buyer must be shipped at the buyers expense back to MIL-STAK, Inc. All claims for damage to parts by shipper must be reported to the shipper.



Parts Order Form

Ordered By: _____

Company: _____

Ship to Address: _____

Billing Address: _____

Phone: _____

Qty	Part #	Part Description	Unit Price	Total Price

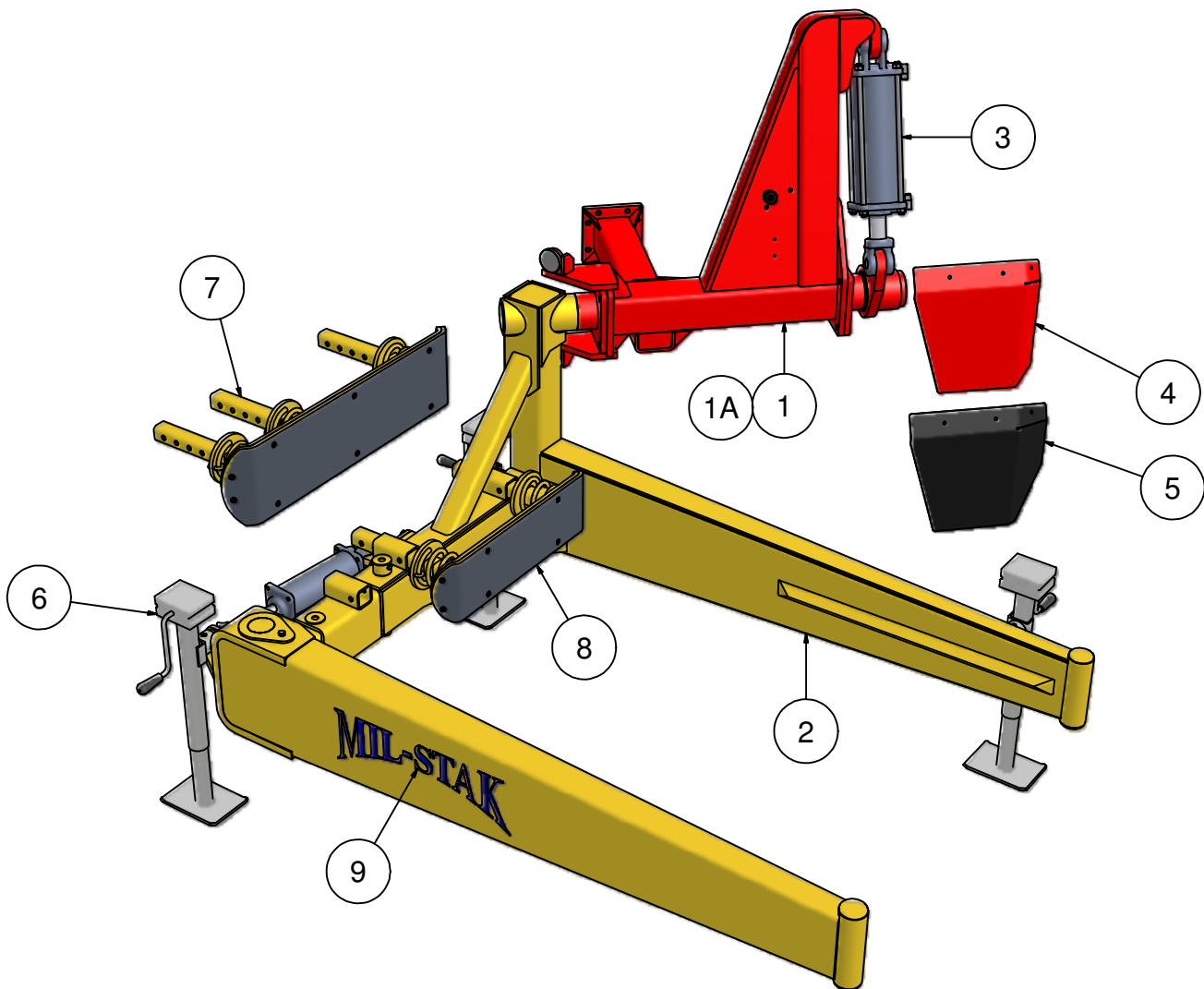
Preferred Shipping Method: _____

MIL-STAK Model: _____ Serial Number: _____

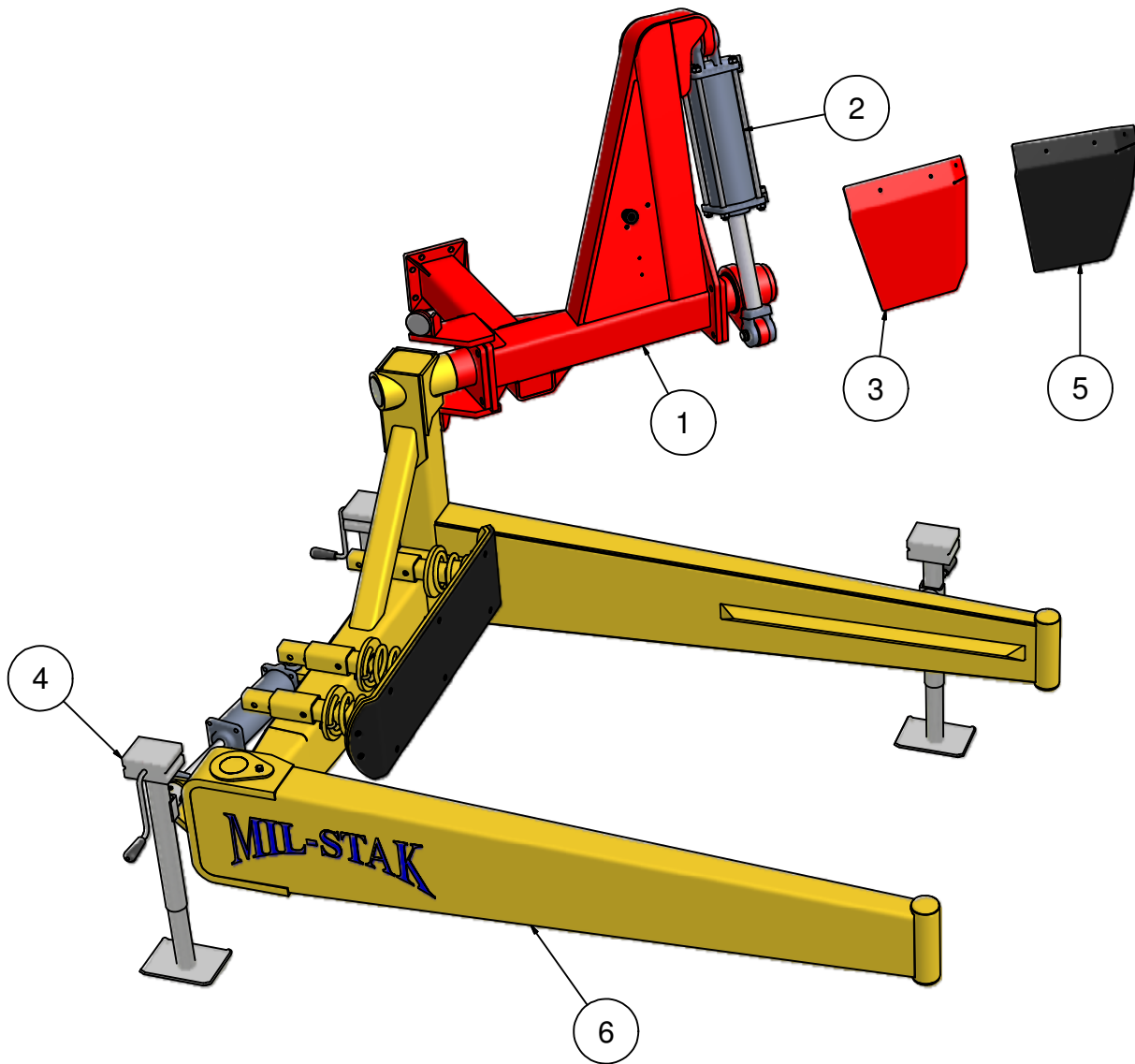
Purchase Order Number: _____

1000, 1020, 1030, & 1032 Adjustable Bale Loaders

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1A0300	Tower Assembly, 1030 & 1032	9
1A		Tower Assembly, 1000 & 1020	8
2		Bale Clamp Assembly	10
3	2A4010	5 x 12 Hydraulic Cylinder	18
4	1P0480	Deflector Plate, 1075/1085/1095/1089	
5	1P0485	Deflector Plate, BW 28/BW 38/H9870/H9880	
6	2P6050	Jack Stand, Clamp Frame	
7	1A2010	3 x 4 Cushion Bumper Assembly	13
8	1A2100	3 x 3 Cushion Bumper Assembly	12
9	1P6150	Complete Decal Set, Specify Model	



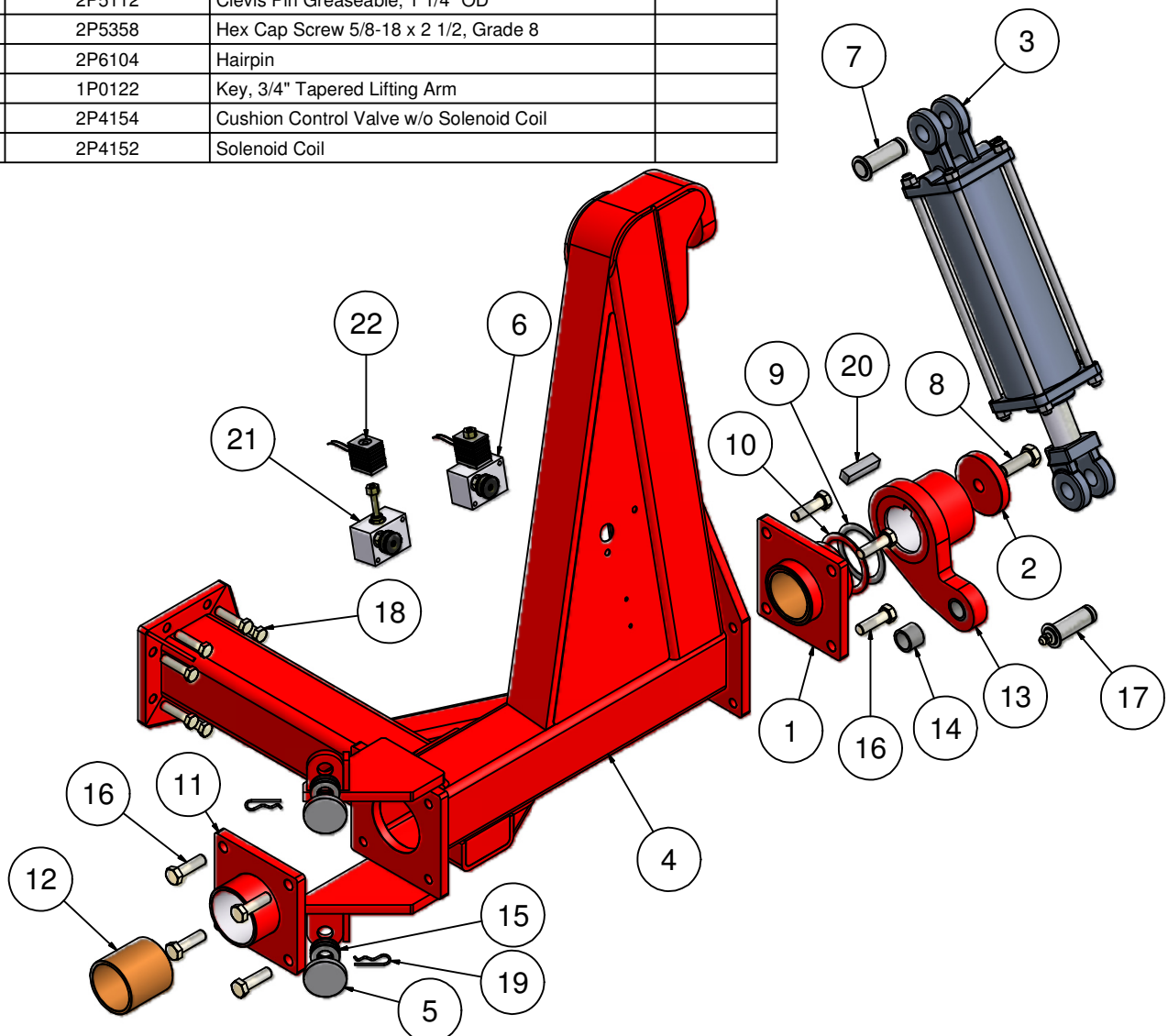
1028-S & 1030-S Bale Loader			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1A0300	Tower Assembly, 1030 & 1032	9
2	2A4010	5 x 12 Hydraulic Cylinder	18
3	1P0480	Deflector Plate, 1075/1085/1095/1089	
4	2P6050	Jack Stand, Clamp Frame	
5	1P0485	Deflector Plate, BW 28/BW 38/H9870/H9880	
6		1030 S Bale Clamp Assembly	



1030-S Bale Loader

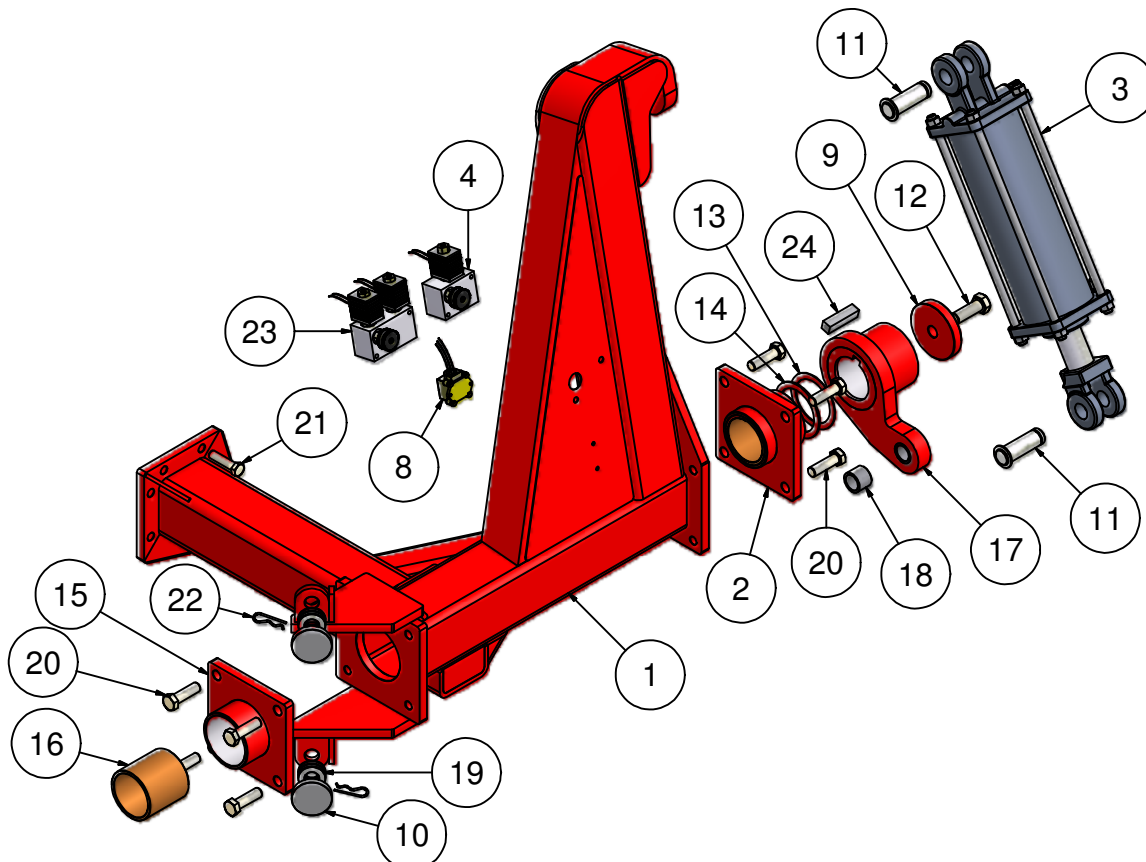
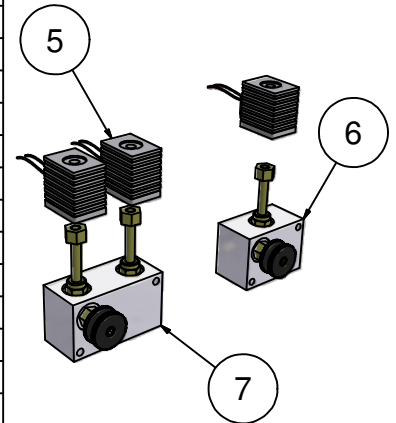
1000 & 1020 Tower Parts List

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1A0111	Bearing Housing w/Bronze Insert for 2-15/16" Shaft	
2	1P0132	4" Retaining Washer	
3	2A4020	5 x 12 Hydraulic Cylinder	18
4	1P0010	Tower, Specify Model	
5	1P0140	Adjustable Stop	
6	2A4150	Cushion Control Valve, Single Solenoid	
7	2P5110	Clevis Pin, 1 1/4" Diameter	
8	2P5475	Hex Cap Screw 7/8-14 x 2 1/2, grade 8	
9	1P0151	.0625 Pivot Shaft Shim for 2-15/16" Shaft	
10	1P0156	.125 Pivot Shaft Shim for 2-15/16" Shaft	
11	1P0114	Bearing Housing For 2-15/16" Shaft	
12	1P0116	Bronze Insert	
13	1A0121	Tapered Lifting Arm for 2-15/16" Shaft	
14	1P0129	Lifting Arm Bushing	
15	2P0142	Adjustable Stop Shim	
16	2P5430	Cap Screw 3/4-10 x 2 1/2, grade 8	
17	2P5112	Clevis Pin Greaseable, 1 1/4" OD	
18	2P5358	Hex Cap Screw 5/8-18 x 2 1/2, Grade 8	
19	2P6104	Hairpin	
20	1P0122	Key, 3/4" Tapered Lifting Arm	
21	2P4154	Cushion Control Valve w/o Solenoid Coil	
22	2P4152	Solenoid Coil	



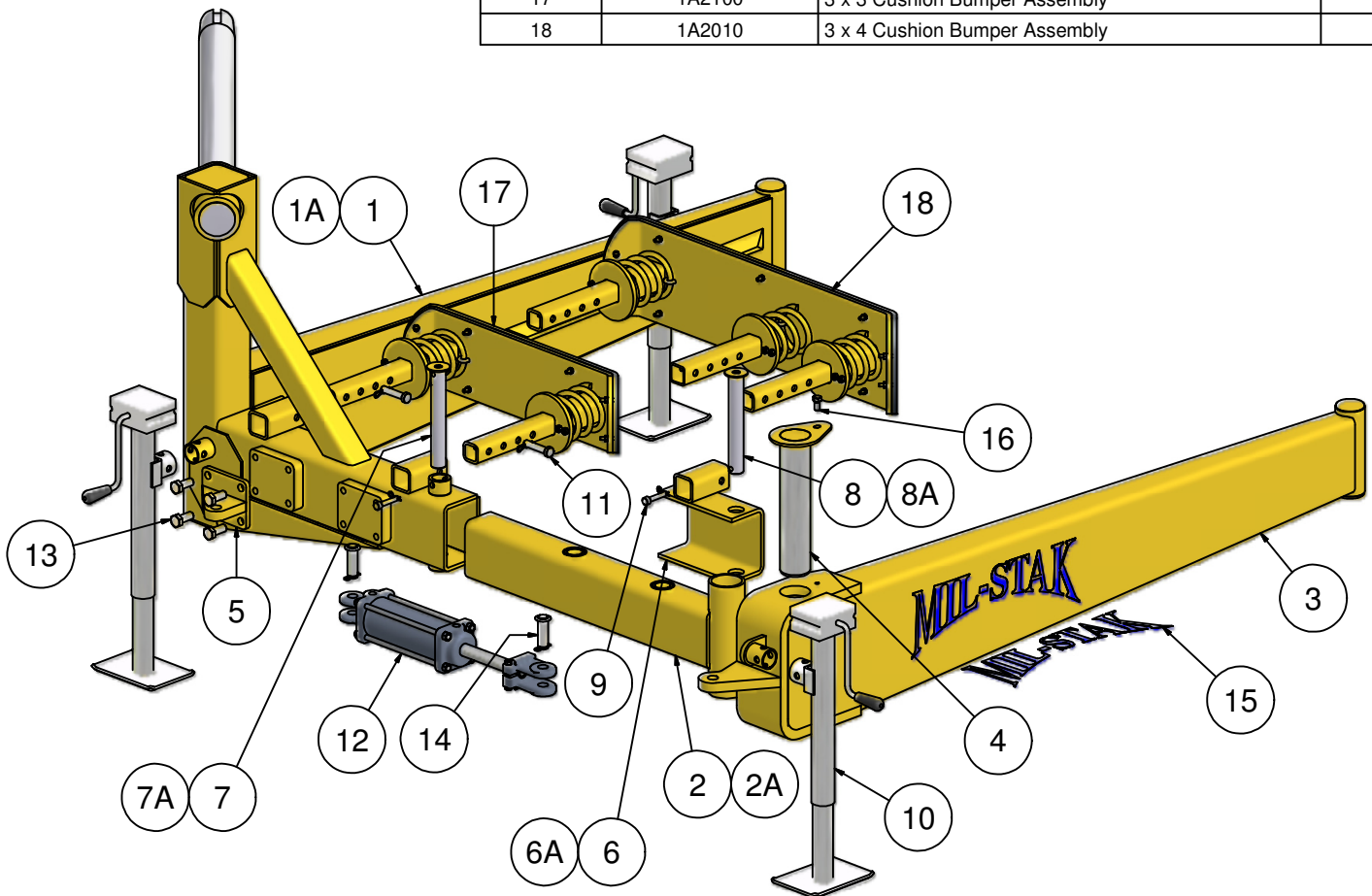
1028-S, 1030, 1030-S, & 1032 Tower Parts List

ITEM	PART NUMBER	DESCRIPTION	PAG
1	1P0010	Tower, Specify Model	
2	1A0110	Bearing Housing w/Bronze Insert for 3-1/2" Shaft	
3	2A4020	5 x 12 Hydraulic Cylinder	18
4	2A4150	Cushion Valve, Single Solenoid	
5	2P4152	Solenoid Coil	
6	2P4154	Cushion Control Valve Body	
7	2P4156	Double Solenoid Cushion Valve Body, BW 28/BW 38/H9870/H9880	
8	2P4100	Pressure Switch	
9	1P0132	Retaining Plate, Lift Arm	
10	1P0140	Adjustable Stop	
11	2P5110	Clevis Pin, 1 1/4" Diameter	
12	2P5475	Hex Cap Screw 7/8-14 x 2 1/2, grade 8	
13	1P0150	.0625 Pivot Shaft Shim for 3-1/2" Shaft	
14	1P0155	.125 Pivot Shaft Shim for 3-1/2" Shaft	
15	1P0112	Bearing Housing for 3-1/2" Shaft	
16	1P0116	Bronze Insert for 3-1/2" Shaft	
17	1A0120	Lift Arm, Tapered for 3-1/2" Shaft	
18	1P0129	Lifting Arm Bushing	
19	2P0142	Shim, Clamp Frame Stop	
20	2P5430	Cap Screw 3/4-10 x 2 1/2, grade 8	
21	2P5358	Hex Cap Screw 5/8-18 x 2 1/2, Grade 8	
22	2P6104	Hairpin	
23	2P4151	Double Solenoid Cushion Valve, BW 28/BW 38/H9870/H9880	
24	1P0122	Key, 3/4" Tapered Lifting Arm	



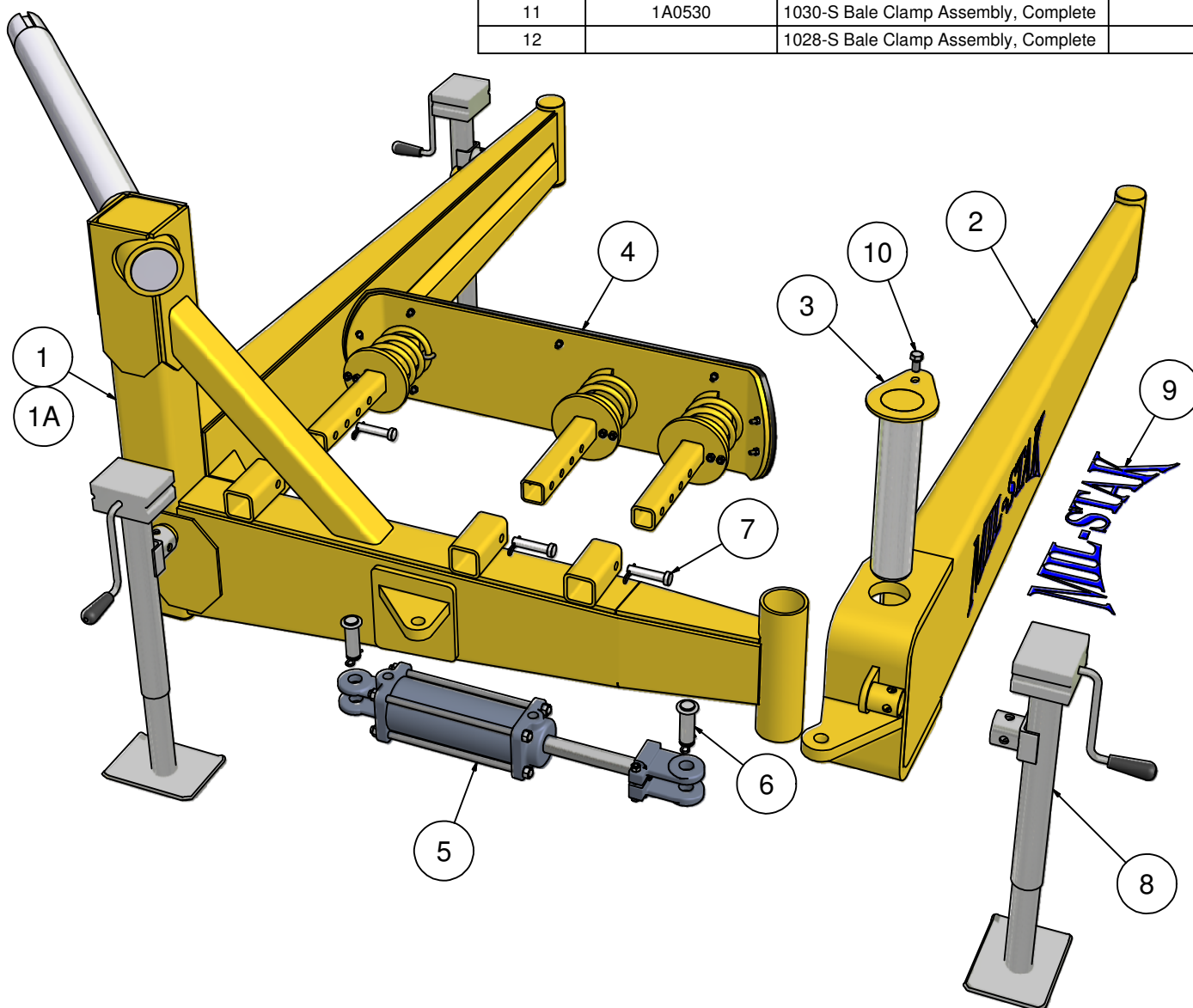
1000, 1020, 1030, 1032
Bale Clamp Assembly - Parts List

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P0510	1030, 1032 Adjustable Left Arm Frame & Shaft, 3-1/2"	
1A	1P0512	1000, 1020 Adjustable Left Arm Frame & Shaft, 2-15/16"	
2	1P0650	Clamping Arm Extension Tube	
2A	1P0652	1000, 1020 Nesting Tube	
3	1P1010	Right Arm	
4	1P1510	Pivot Pin, Right Arm	
5	1P0620	Clamping Cylinder Rear Mount	
6	1P2200	1030, 1032 Cushion Bumper Adapter "C" Bracket	
6A	1P0620	1000, 1020 Cushion Bumper Adaptor "C" Bracket	
7	1P1550	1030, 1032 Position Pin	
7A	1P1555	1000, 1020 Position Pin	
8	1P1557	1030, 1032 "C" Bracket Position Pin	
8A	1P1558	1000, 1020 "C" Bracket Position Pin	
9	1P6106	Retaining Pin & Hairpin	
10	2P6050	Jack Stand, Clamp Frame	
11	2P6116	Adjusting Pin w/Hairpin for Bale Cushion	
12	2A4100	3.5" x 8" Hyd Cylinder	19
13	2P5407	Bolt 3/4-10 x 1.75, grade 8	
14	2A5100	Clevis 1" OD and Hair Pin	
15	1P6150	Complete Decal Set, Specify Model	
16	2P5157	Bolt, 1/2-13 x 1	
17	1A2100	3 x 3 Cushion Bumper Assembly	12
18	1A2010	3 x 4 Cushion Bumper Assembly	13



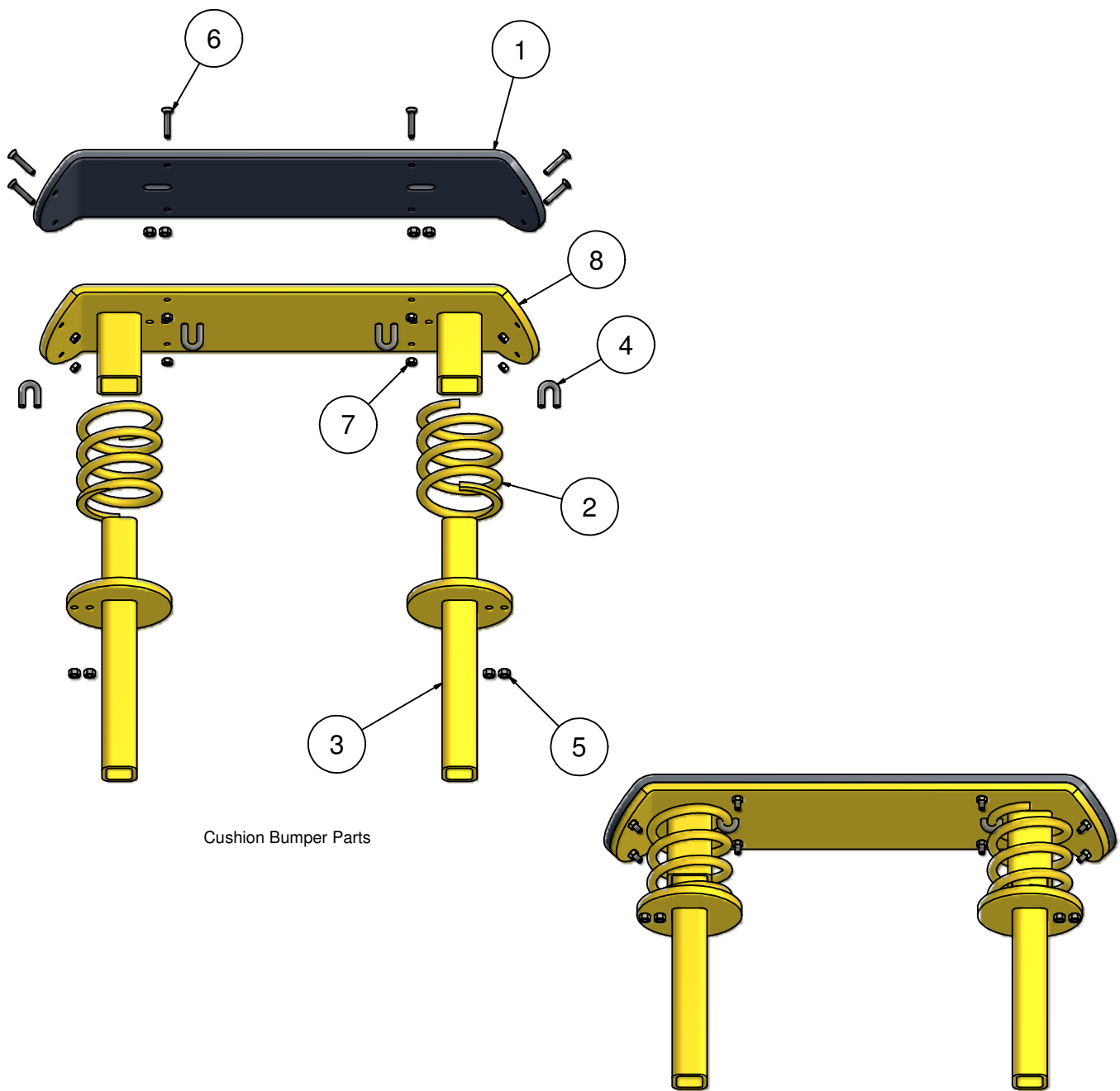
1028-S & 1030-S Bale Clamp Assembly - Parts List

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P0550	1030-S Left Arm, Frame & Shaft	
1A	1P0555	1028-S Left Arm, Frame & Shaft	
2	1P1010	Right Arm	
3	1P1510	Pivot Pin, Right Arm	
4	1A2010	3 x 4 Cushion Bumper Assembly	13
5	2A4100	3.5" x 8" Hyd Cylinder	19
6	2A5100	Clevis 1" OD and Hair Pin	
7	2P6116	Adjusting Pin w/Hairpin for Bale Cushion	
8	2P6050	Jack Stand, Clamp Frame	
9	1P6150	Complete Decal Set, Specify Model	
10	2P5157	Bolt, 1/2-13 x 1	
11	1A0530	1030-S Bale Clamp Assembly, Complete	
12		1028-S Bale Clamp Assembly, Complete	



3 x 3 Cushion Bumper Assembly & Parts

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P2085	3 x 3 Cushion Bumper Plastic Wear Plate	
2	2P2115	Cushion Bumper Spring	
3	1P2125	Cushion Bumper Tube & Spring Retainer	
4	1P2114	U-Bolt, Cushion Bumper Spring	
5		Hex Nut 3/8-16	
6	2P5145	Socket Head Flat Head Cap Screw 5/16-18 X 1.75	
7		5/16-18 Hex Nut	
8	1P2080	3 x 3 Cushion Bumper Assembly	

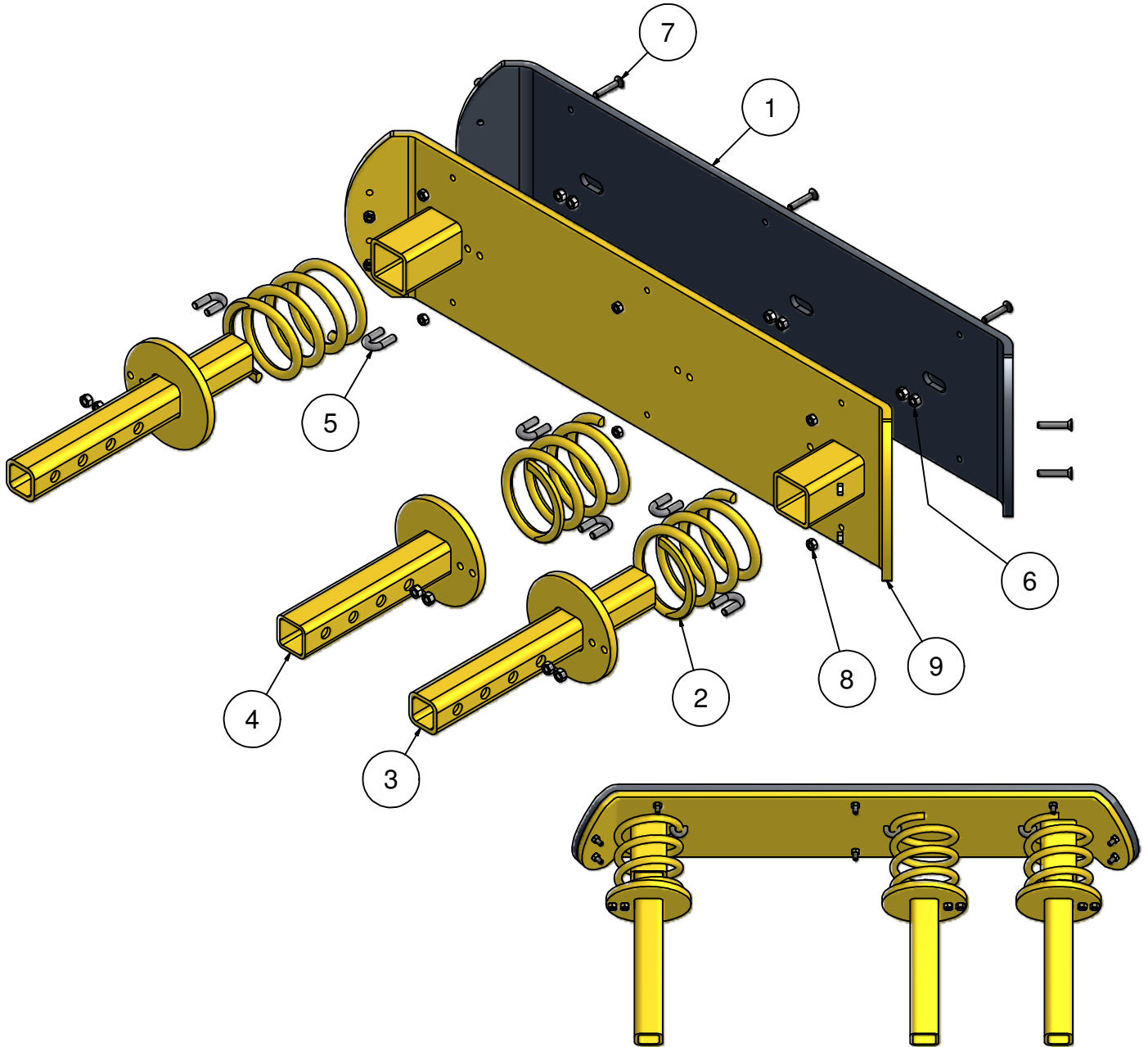


Cushion Bumper Parts

Cushion Bumper Assembly
PT# 1A2100

3 x 4 Cushion Bumper Assembly & Parts

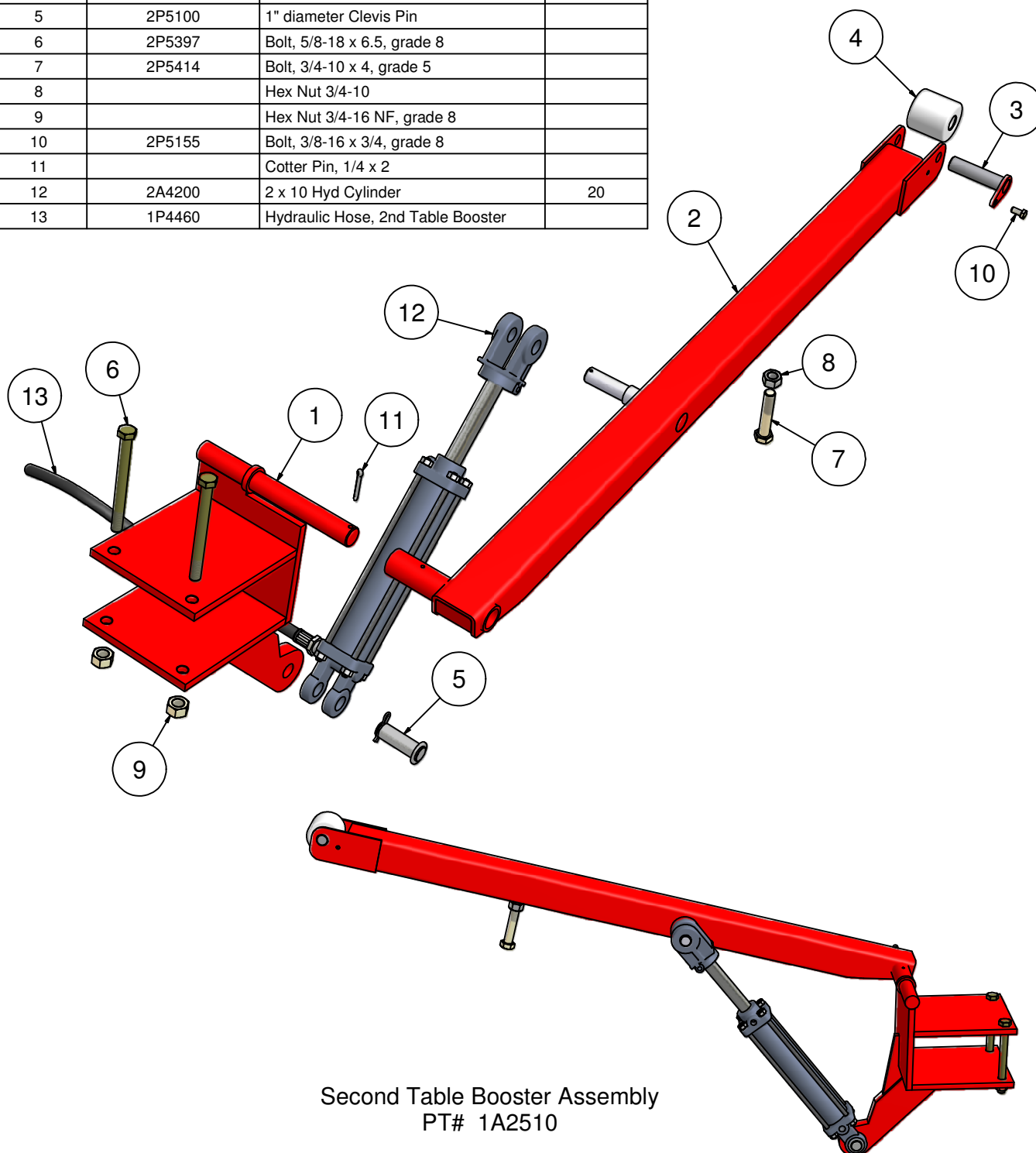
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P2120	3 x 4 Cushion Bumper Plastic Wear Plate	
2	2P2115	Cushion Bumper Spring	
3	1P2125	Cushion Bumper Tube & Spring Retainer	
4	1P2130	Cushion Bumper Center Tube & Spring Retainer	
5	1P2114	U-Bolt, Cushion Bumper Spring	
6		Hex Nut 3/8-16	
7	2P5145	Socket Head Flat Head Cap Screw 5/16-18 X 1.75	
8		5/16-18 Hex Nut	
9	1P2050	Cushion Bumper Shoe, 3 x 4	



Cushion Bumper Assembly
PT# 1A2010

Second Table Booster Assembly

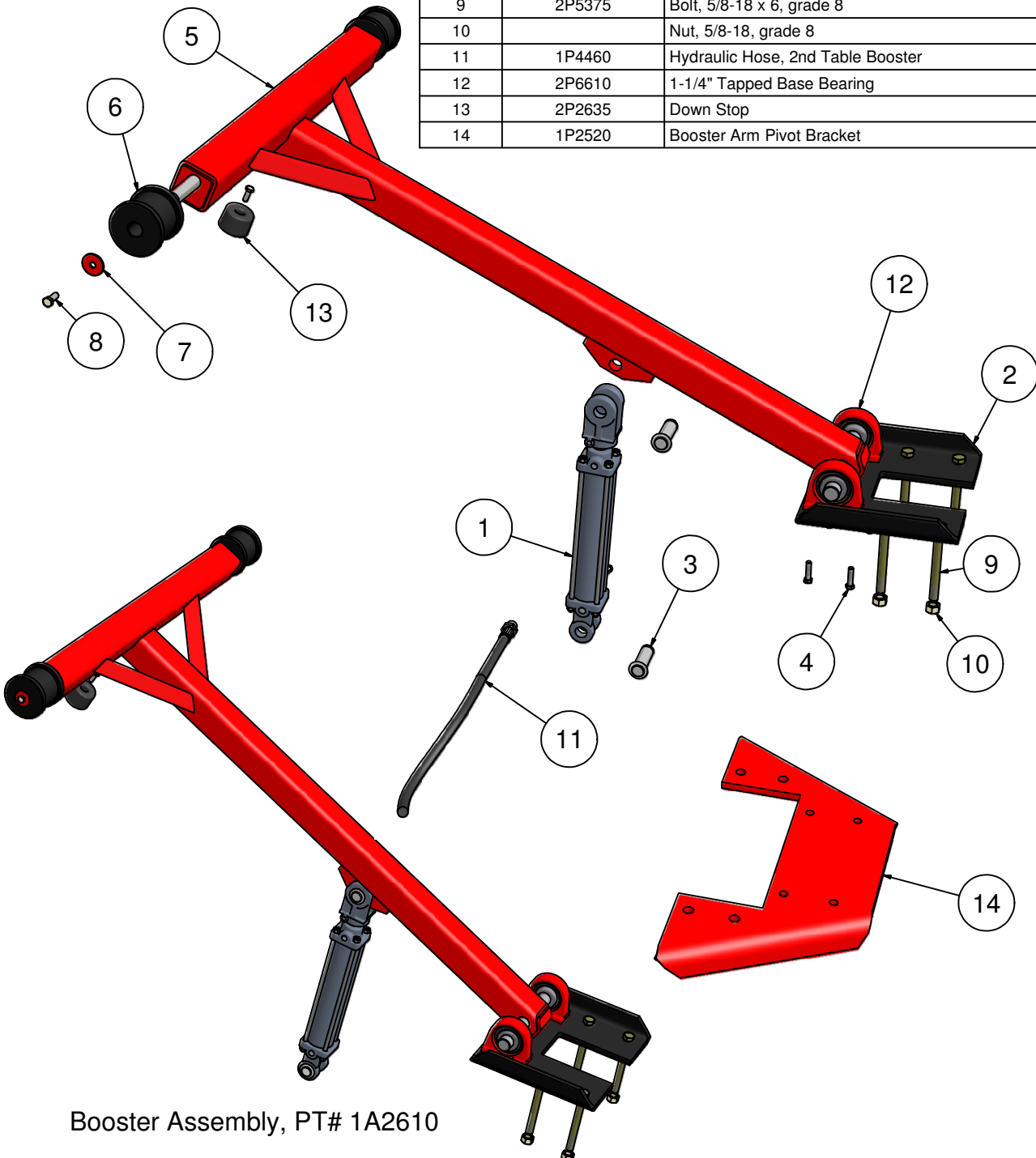
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P2550	Mounting Bracket, 2nd Table Booster	
2	1P2530	Lifting Arm, 2nd Table Booster	
3	1P2570	Roller Pin	
4	1P2540	BOOSTER ROLLER, NYLON	
5	2P5100	1" diameter Clevis Pin	
6	2P5397	Bolt, 5/8-18 x 6.5, grade 8	
7	2P5414	Bolt, 3/4-10 x 4, grade 5	
8		Hex Nut 3/4-10	
9		Hex Nut 3/4-16 NF, grade 8	
10	2P5155	Bolt, 3/8-16 x 3/4, grade 8	
11		Cotter Pin, 1/4 x 2	
12	2A4200	2 x 10 Hyd Cylinder	20
13	1P4460	Hydraulic Hose, 2nd Table Booster	



Second Table Booster Assembly
PT# 1A2510

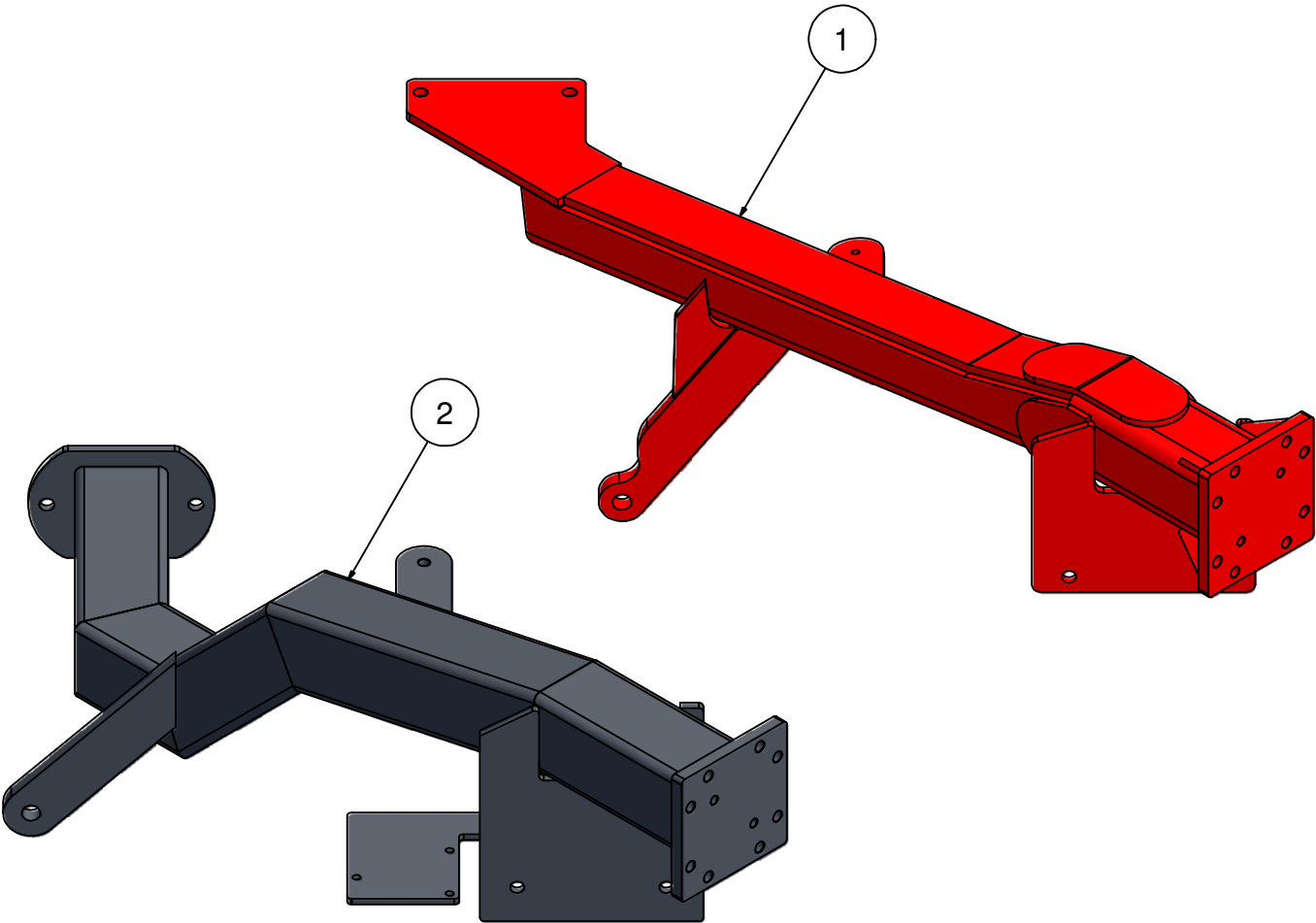
2nd Table T-Booster Assembly Parts List

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2A4200	2 x 10 Hydraulic Cylinder	20
2	1P2621	Booster Bracket, Lift Arm BW 28/BW 38/H9870/H9880	
3	2P5100	1" diameter Clevis Pin	
4	2P5158	Bolt, .375-16 x 1.5, grade 8	
5	1P2630	Booster Arm, BW 28	
6	1P2640	Roller	
7	1P2642	Flat Washer, 3/8	
8	2P5156	Bolt, 3/8-16 x 1, grade 8	
9	2P5375	Bolt, 5/8-18 x 6, grade 8	
10		Nut, 5/8-18, grade 8	
11	1P4460	Hydraulic Hose, 2nd Table Booster	
12	2P6610	1-1/4" Tapped Base Bearing	
13	2P2635	Down Stop	
14	1P2520	Booster Arm Pivot Bracket	



Booster Assembly, PT# 1A2610

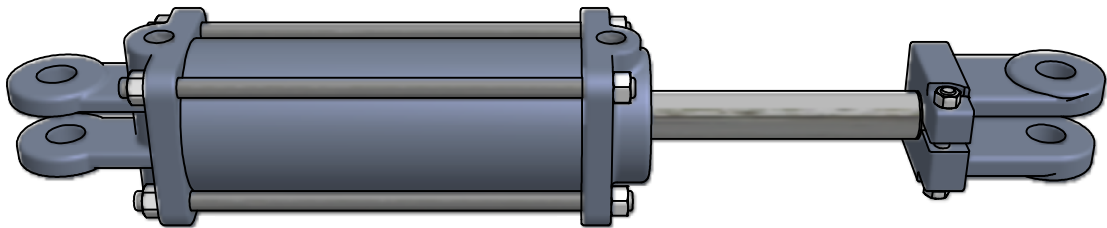
Mounting Bars			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P0180	Mounting Bar, 1075, 1085, 1095	
2	1P0210	Mounting Bar, BW 28, BW 38, H9870, H9880	



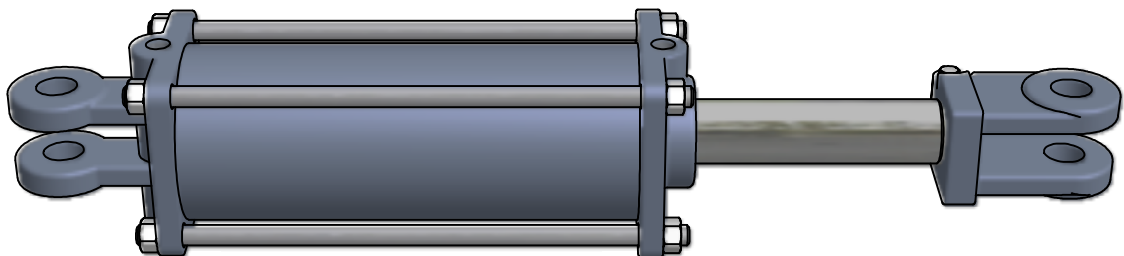
Hydraulic Cylinders for Bale Loaders			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2A4200	2" Bore x 10" Stroke Hydraulic Cylinder	20
2	2A4100	3.5" Bore x 8" Stroke Hydraulic Cylinder	19
3	2A4200	5" Bore x 12" Stroke Hydraulic Cylinder	18



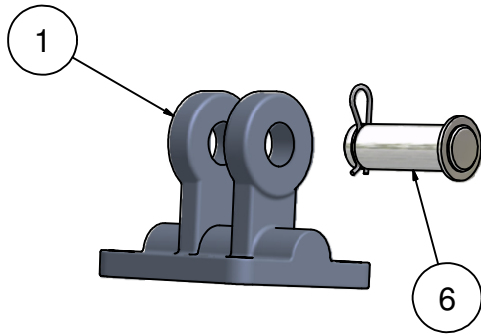
Item 1, Second Table Booster Hydraulic Cylinder
PT# 2A4200



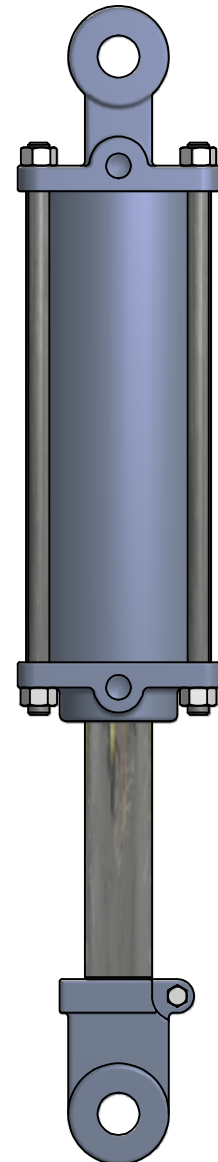
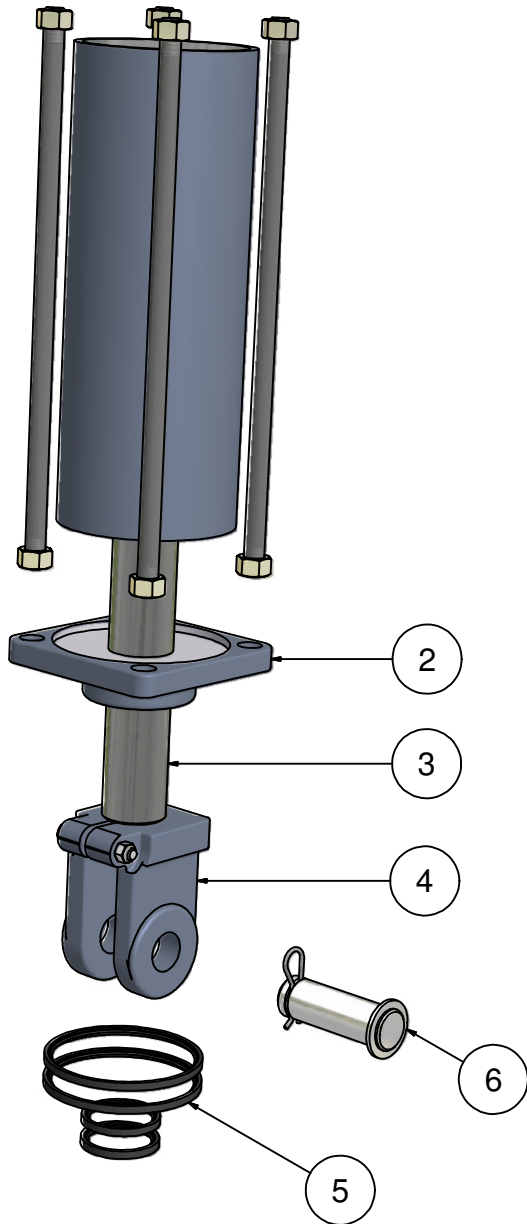
Item 2, Clamp Arm Hydraulic Cylinder
PT# 2A4100



Item 3, Tower Hydraulic Cylinder
PT# 2A4020

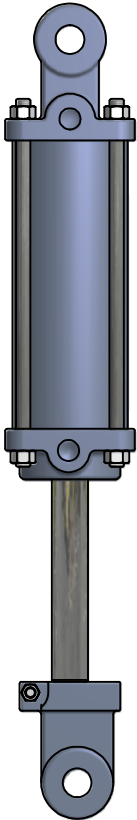
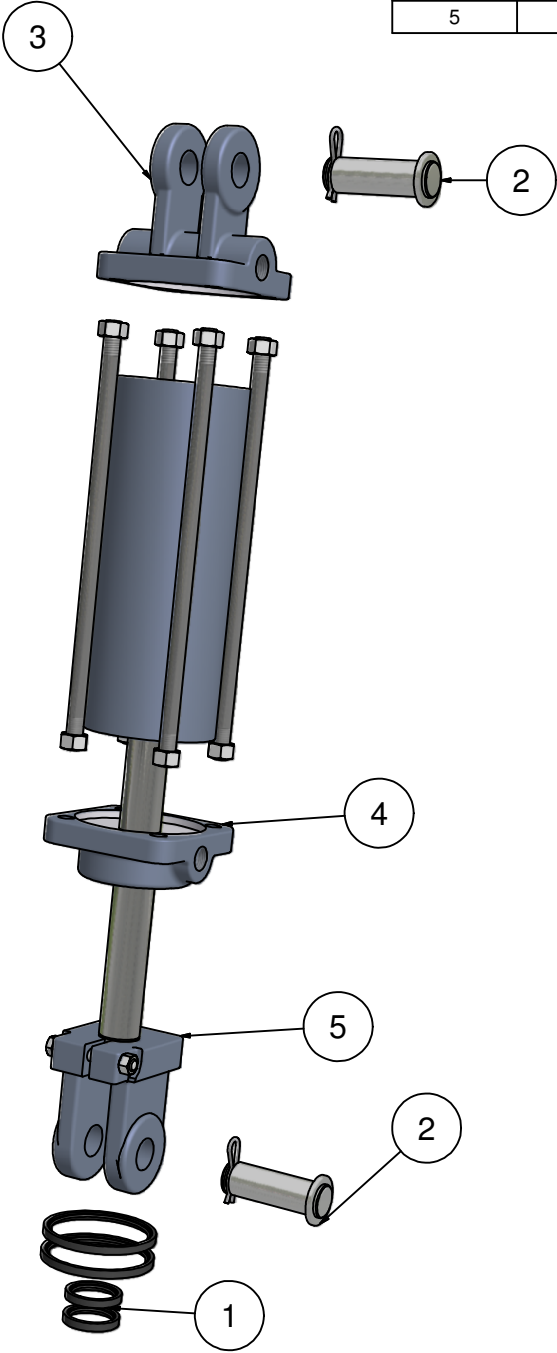


5 x 12 Hydraulic Cylinder			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2A4050	End Cap, Mounting End, 5 x 12 Hyd Cylinder	
2	2A4060	End Cap, Shaft End, 5 x 12 Hyd Cylinder	
3	2P4070	Shaft, 5 x 12 Hyd Cylinder	
4	2P4075	Clevis, 5 x 12 Hyd Cylinder	
5	2P4040	5 x 12 Seal Kit	
6	2A5110	1 1/4 OD Clevis & Hairpin	



Complete Hydraulic Cylinder
2A4020

Clamping Arm 3 1/2 x 8 Hydraulic Cylinder			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2P4110	Seal Kit, 3 1/2 x 8 Hyd Cylinder	
2	2A5100	Clevis 1" OD and Hair Pin	
3	2P4135	End Cap, Mounting End, 3.5 x 8 Hyd Cylinder	
4	2P4140	End Cap, Shaft End, 3.5 Hyd Cylinder	
5	2P4155	Clevis, 3.5 x 8 Hyd Cylinder	

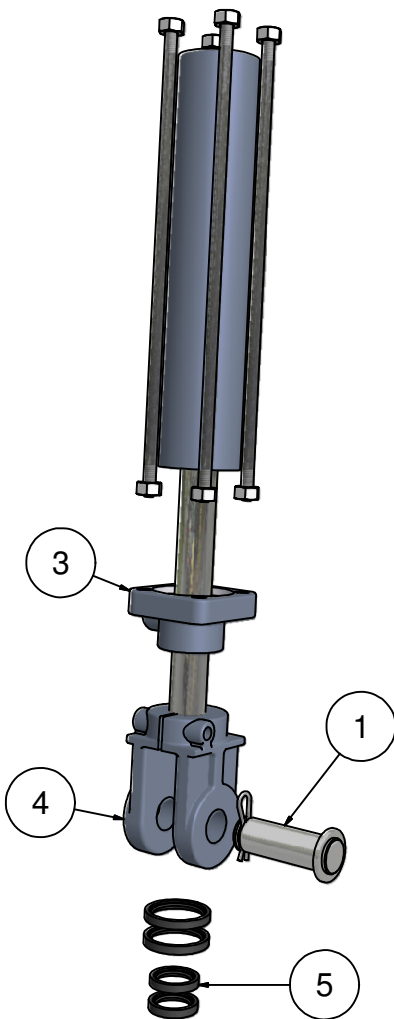
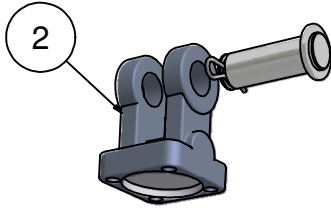


Complete Hydraulic Cylinder
PT# 2A4100

2nd Table Booster

2 x 10 Hydraulic Cylinder Parts List

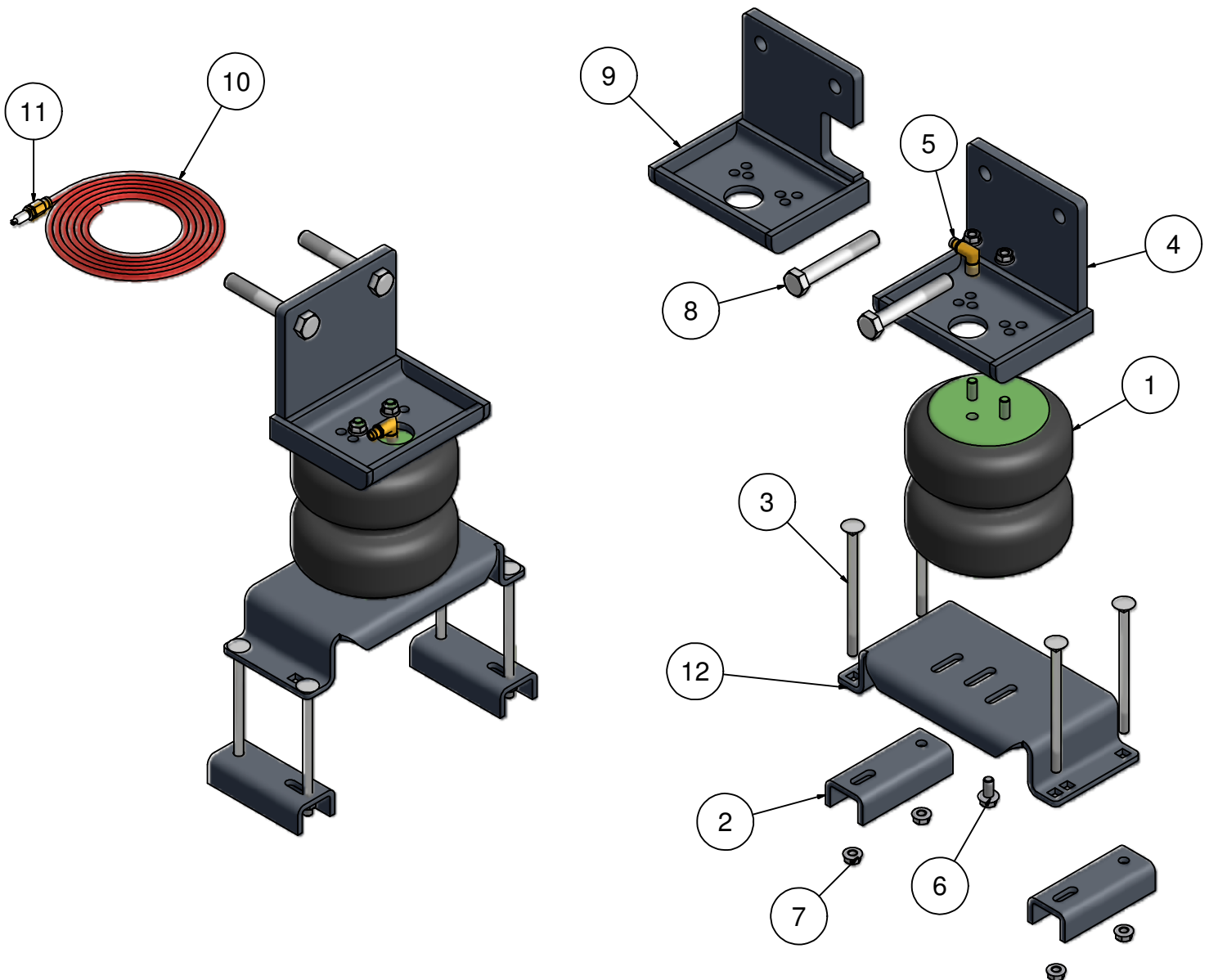
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2A5100	Clevis 1" OD and Hair Pin	
2	2P4225	End Cap, Mounting End, 2 x 10 Hyd Cylinder	
3	2P4230	End Cap, Shaft End, 2 x 10 Hyd Cylinder	
4	2P4250	Clevis, 2 x 10 Hyd Cylinder	
5	2P4210	Seal Kit, 2 x 10 Hyd Cylinder	



Complete Hydraulic Cylinder
PT# 2A4200

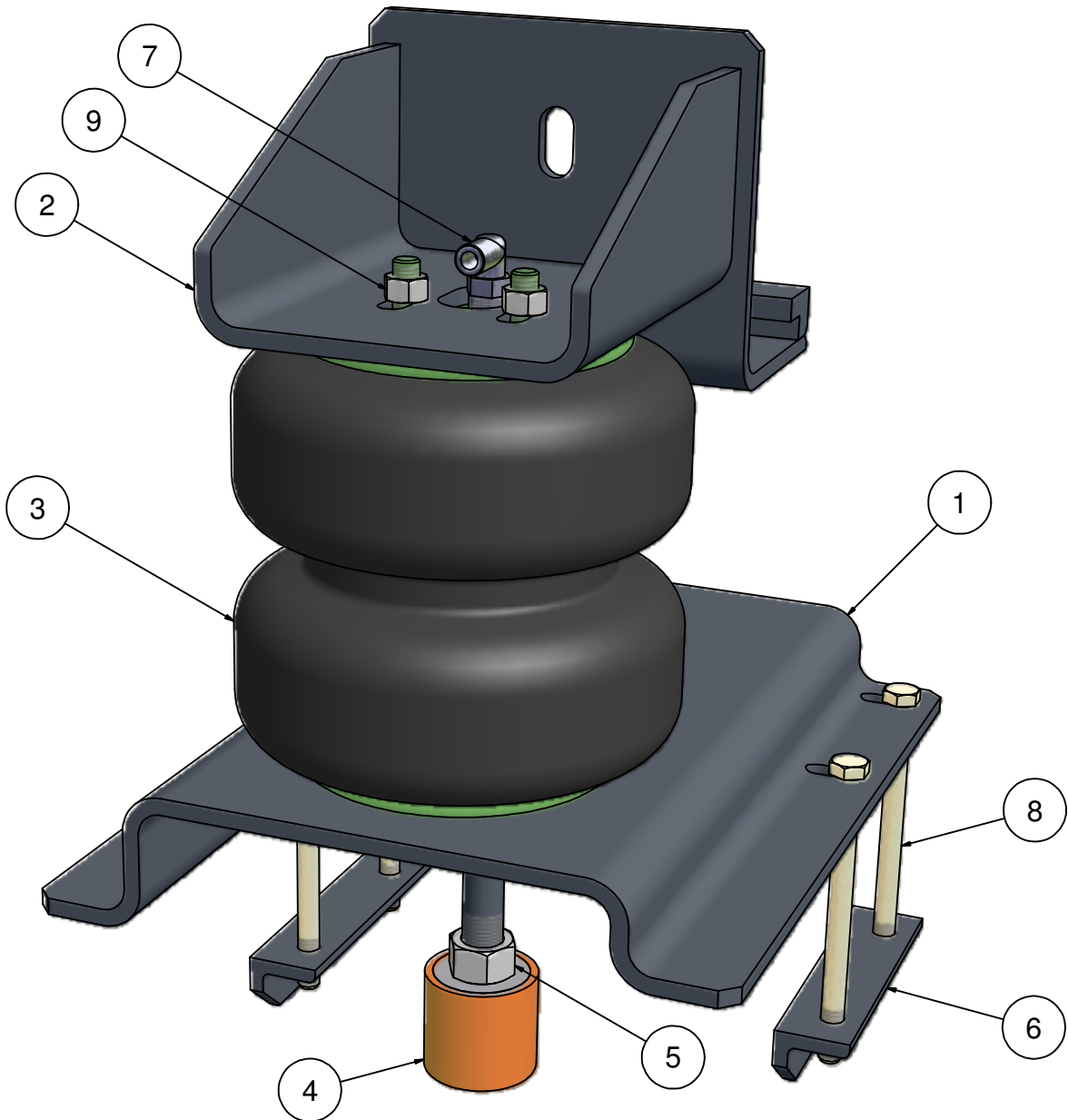
Air Bag and Mounting Brackets

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	2P6560	Air Bag	
2	2P6580	Air Bag Mounting Bracket Clamp Bar	
3	2P5196	Carriage Bolt, 3/8-16 x 5	
4	1P6590	Air Bag Mounting Bracket, 1095 & 1089	
5	2P6651	Air Bag Elbow Fitting	
6	2P5197	Flange Bolt, 3/8-16 x 3/4	
7	-	Flange Nut, 3/8-16	
8	2P5198	Bolt, 5/8-18 x 4	
9	1P6591	Air Bag Mounting Bracket, 1068, 1069, 1078, 1079, 1075, 1085	
10	2P6655	Air Bag Tube	
11	2P6652	Air Bag Straight Fitting	
12	2P6570	Air Bag Leaf Spring Mounting Bracket	



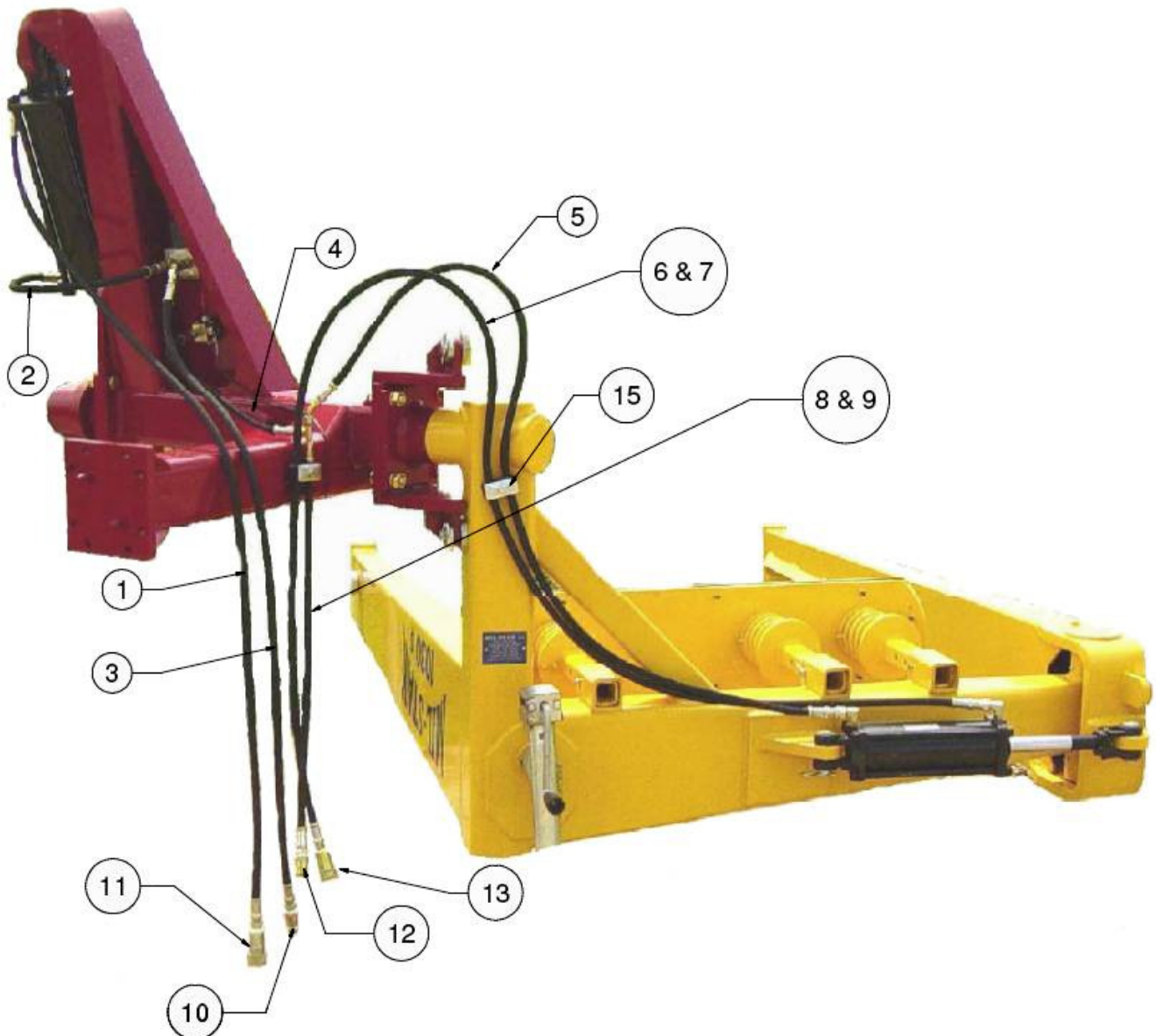
BW 28, BW 38, H9870, H9880 Air Bag Assembly

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P6610	Air Bag Leaf Spring Bracket	
2	1P6620	Air Bag Frame Bracket	
3	2P6560	Air Bag	
4	2P6630	Air Bag Support Bumper	
5		Hex Nut, 5/8-18	
6	1P6640	Leaf Spring Bracket Clamp Bar	
7	2P6650	1/4 NPT Instant tube fitting, 90 deg. swivel nickel plate	
8	2P5168	Hex Cap Screw 3/8-16 x 5, grade 8	
9		Hex Nut 3/8-16	



Complete Assembly PT# 1A6600

Table		
Item	Part Number	Part Description
1	1P4410	Tower Cylinder Hose - A
2	1P4415	Tower Cylinder Hose - B
3	1P4420	Tower Cylinder Hose - C
4	1P4425	Cushion Valve Hose
5	1P4430	Cylinder Clamp Hose - A
6	1P4440	Cylinder Un-Clamp Hose for Models 1068, 1078, 1095, BW28
7	1P4445	Cylinder Un-Clamp Hose for Models 1075, 1085
8	1P4450	Cylinder Clamp Hose - C for Models 1068, 1078, 1095, BW 28
9	1P4455	Cylinder Clamp Hose -C for Models 1075, 1085
10	2P4210	Quick Coupler, Male 1/2" FNPT
11	2P4215	Quick Coupler, Female 1/2" FNPT
12	2P4220	Quick Coupler, Male 3/8" FNPT
13	2P4225	Quick Coupler, Female 3/8" FNPT
14	2P4240	Twin Hose Bracket





BW 28 Interface & Wire Harness
Part # 1P7510



1075 & 1085 Control Harness
Part # 1P7530

