

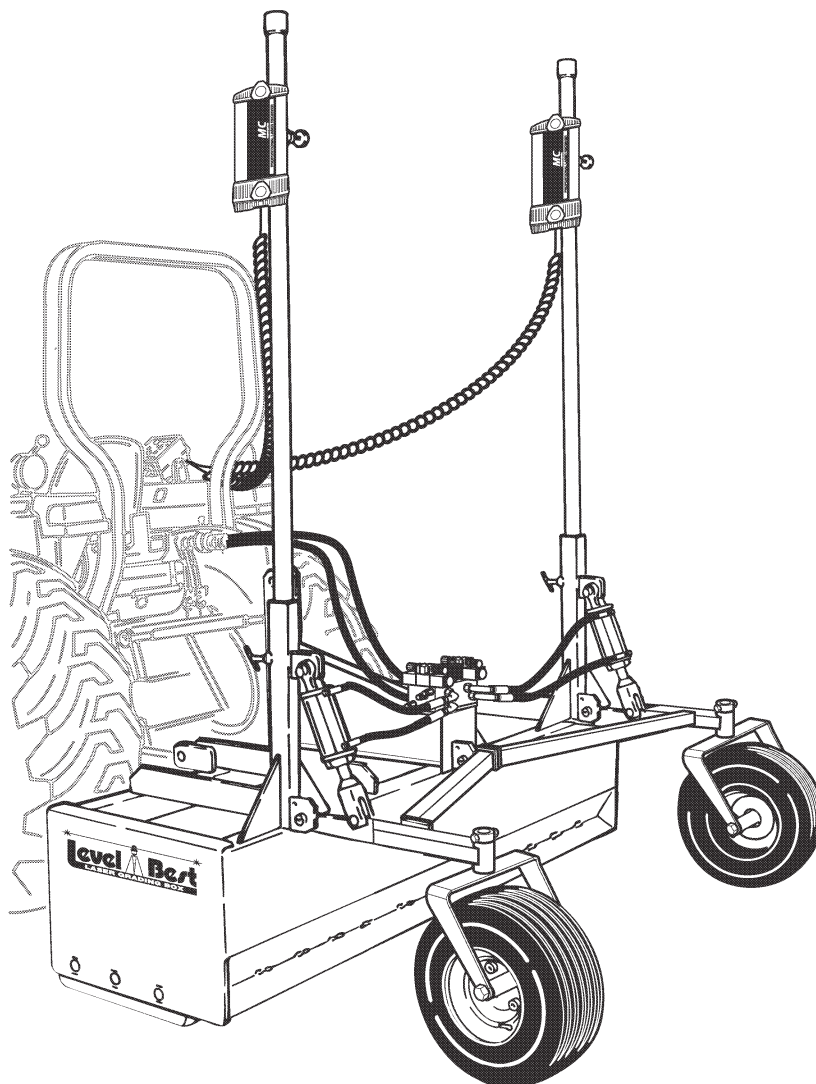
Level Best

LASER GRADING BOX

PARTS MANUAL

FOR

TRACTOR BOX - DOUBLE APACHE



ATI Corporation
New Holland, PA 17557
Phone (717) 354-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

SEPTEMBER 2007

CAT.# LBDLGBPM-A-0907



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New Holland, PA 17557
Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
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ATI Corporation
250 Earland Drive
New Holland, PA 17557 U.S.A.

DISCLAIMER

THE INFORMATION IN THIS MANUAL IS PROVIDED TO PROMOTE THE SAFE USE OF, AND ASSIST THE OPERATOR IN ACHIEVING THE BEST PERFORMANCE FROM, LASER GRADING BOX DESCRIBED HEREIN, FOR THEIR INTENDED APPLICATIONS.



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Laser Grading Box PARTS LIST

Standard Models

Part Number	Model Number	Description
315-019-000	LBD6	Box, Grader, Tractor, Double, 6', Cylinder Only
315-020-000	LBD7	Box, Grader, Tractor, Double, 7', Cylinder Only
315-021-000	LBD8	Box, Grader, Tractor, Double, 8', Cylinder Only
000-166-405		Kit, Hydraulic, Double, Apache, Includes Valve Assembly, Hoses, Fittings & Solenoid Cable
000-200-188		Kit, Laser Controls, Double Tractor, Includes CB52 Panel, 2-360 Degree Receivers & Cables (Power & Receiver)
000-200-095 Qty. 2		Kit, Laser Controls, Single Tractor, Includes CB26 Panel, 360 Degree Receiver & Cables (Power & Receiver)

Laser Grading Box PARTS LIST

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WARRANTY

This Laser Grading Box is designed and manufactured to high quality standards. ATI Corporation, therefore, guarantees this Laser Grading Box to be free from defect in workmanship and materials for three years from purchase date. If the machine is used for rental purposes, the warranty is limited to ninety (90) days.

Vendored Components and Control Valve Parts are warranted separately by their respective manufacturers.

Does not cover normal wear or failure due to hydraulic oil contamination.

Misuse, abuse, misapplication, and unauthorized alterations will void this warranty.

All warranty work must be performed by an approved Level Best dealer, and authorized by ATI Corporation.

SERIAL NUMBER INFORMATION

It is very important that the correct serial number is provided when ordering parts. The serial number plate is located on the main frame. Please mark the model and serial number of your Laser Grading Box in the space provided below in case the plate on your Laser Grading Box gets lost or damaged.

Model..... Serial Number

Dealer Name Dealer Phone Number

WHERE TO GET PARTS AND SERVICE

When replacement parts and service are required, ATI Corporation recommends returning to the dealer from which the product or optional kit was purchased. By going to the dealer, you are dealing with people that understand and know ATI products. Our dealers have the experience servicing these machines and stock the most common parts required to keep your equipment in top working condition.

NOTE: ATI Corporation reserves the right to discontinue models at any time, change specifications, and improve design without notice and without incurring obligation on goods previously purchased and to discontinue supplying any part listed, when the demand does not warrant production.

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HOW TO ORDER PARTS

Parts lists contained in this book have been prepared to help you when ordering spare and/or replacement parts. Your order will be filled promptly and accurately when the following information is provided:

1. Model and serial number of the unit. (This specifically identifies the equipment you have and permits us to verify the part numbers in your order.)
2. The parts list page number and catalog number. Include catalog revision number, if applicable.
3. The **Item** number for each part. **Item** numbers on the parts list page correspond with the numbers shown on the illustration.
4. **Part Number** as it appears in the parts list. In most cases this will be a nine-digit number; for example: 315-005-000.
5. The **Description** for the part as it appears on the parts list page.

When a complete assembly is needed, use the assembly number given in the parts list. If no assembly number is given, order by main assembly title and list only the item numbers you want. For example: "Wheel Frame Assembly per 315-509-000, Items 2 through 8, inclusive".

The part ordered may have a new part number, or the part may have been replaced by a newer design with a different part number. In these cases your acknowledgement, shipping papers and invoices will be written listing the current part number first; the old part number you referred to will follow the part description.

Our purpose in doing this is to tell you that the parts are fully interchangeable. This will avoid any unnecessary correspondence or delay in processing your order. We suggest that you add any new number to your parts lists for future use.



Notes

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Laser Grading Box PARTS LIST

List Of Parts Illustrations

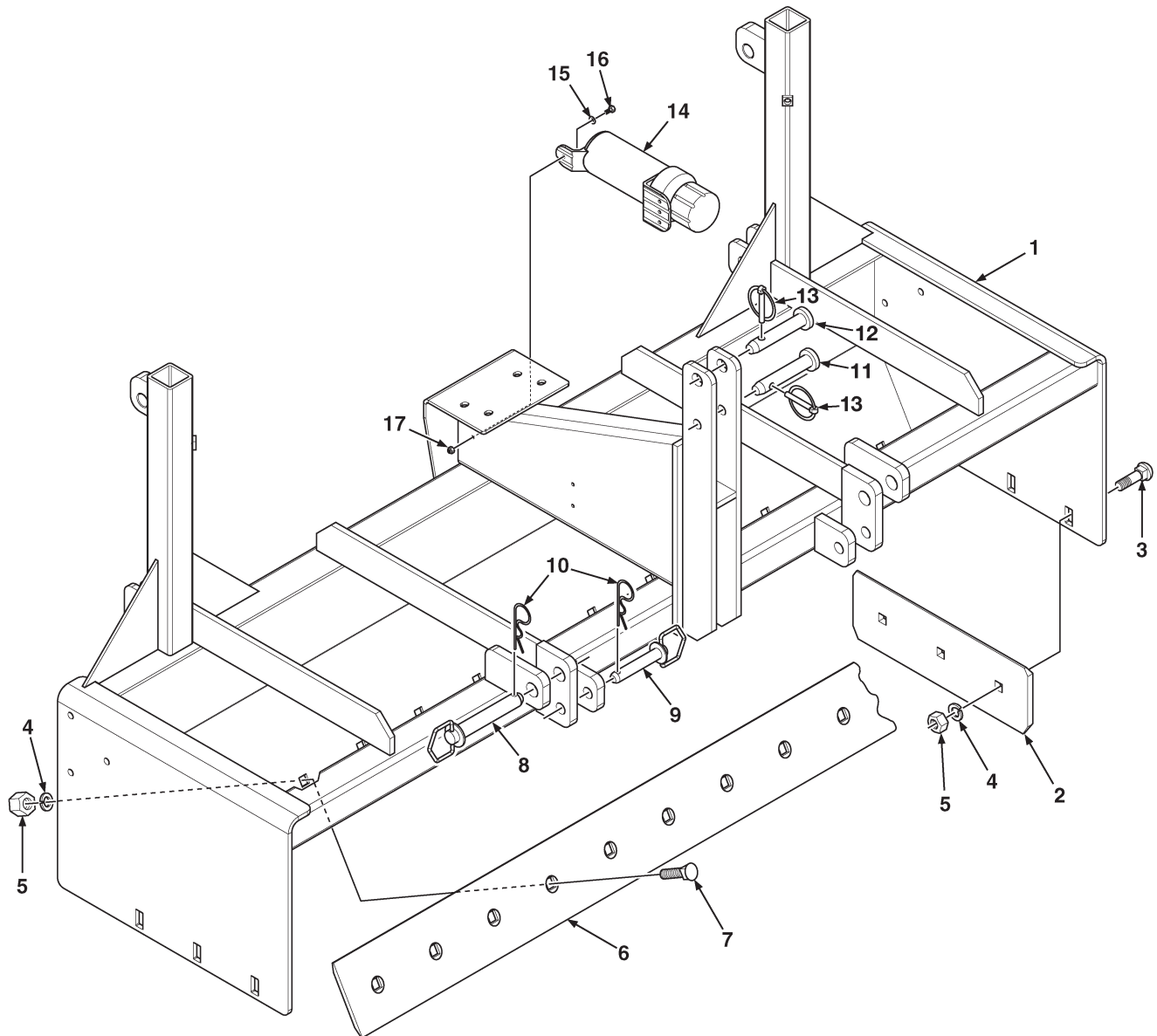


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Laser Grading Box PARTS LIST

Figure 1. Main Frame and Cutting Edges



Laser Grading Box PARTS LIST



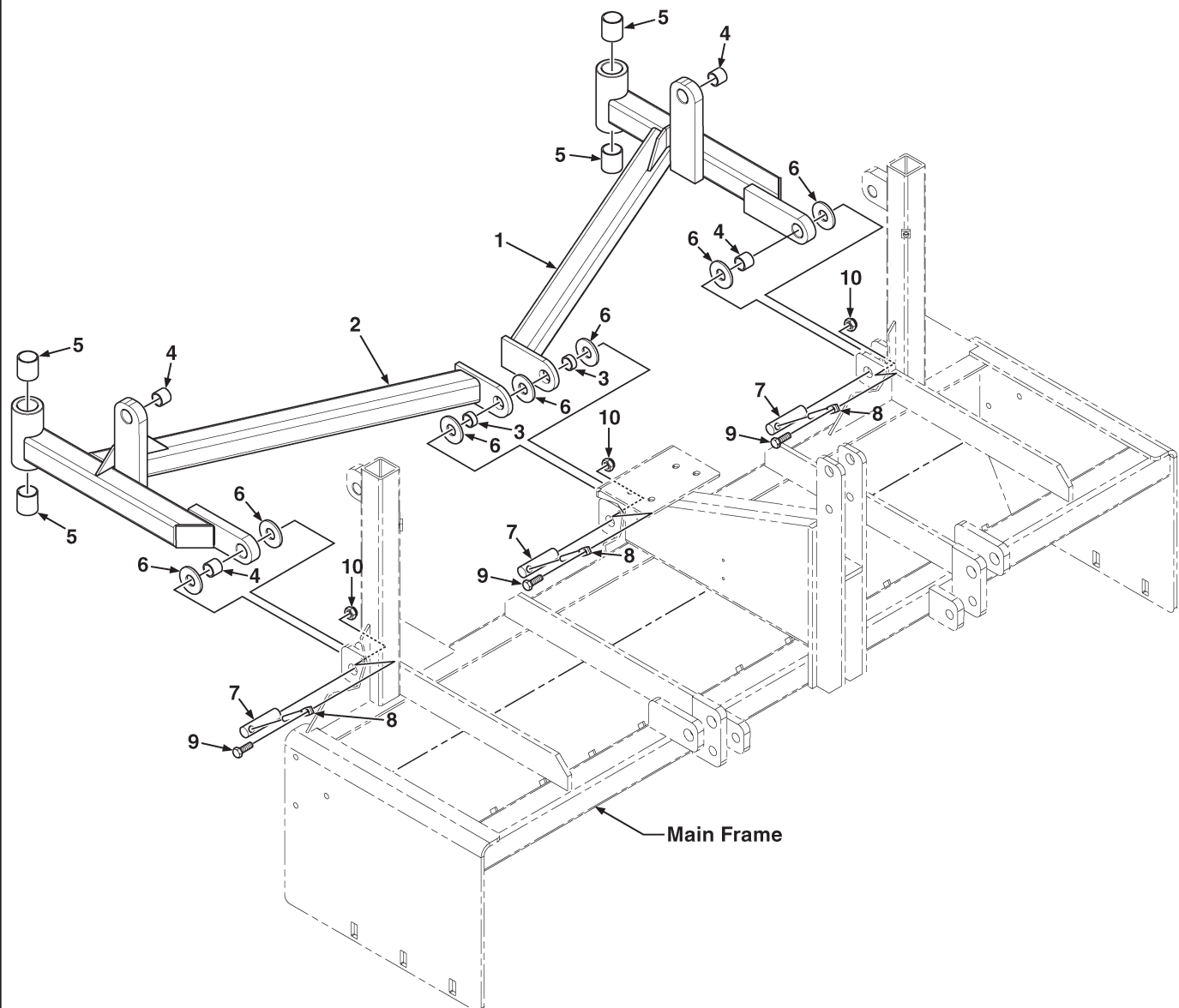
Figure 1. Main Frame and Cutting Edges

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Item	Part No.	Qty	Description
1	315-524-000	1	Frame, Main, Tractor, Double, 6'
	315-525-000	1	Frame, Main, Tractor, Double, 7'
	315-526-000	1	Frame, Main, Tractor, Double, 8'
2	000-190-072	2	Edge, Cutting, End, DBF, 19-1/2" Long
3	000-150-265	6	Bolt, Carriage, 5/8"-11UNC x 2" Long
4	000-155-077	AR	Washer, Lock, 5/8"
5	000-158-138	AR	Nut, Hex, 5/8"-11UNC
6	000-190-075	1	Edge, Cutting, DBF, 72" Long
	000-190-077	1	Edge, Cutting, DBF, 84" Long
	000-190-079	1	Edge, Cutting, DBF, 96" Long
7	000-150-263	AR	Bolt, Plow, 5/8"-11UNC x 2" Long
8	000-161-075	2	Pin, Hitch, 1-1/8" Dia. x 7" Long, Category II
9	000-161-076	2	Pin, Hitch, 7/8" Dia. x 5-1/4" Long, Category I
10	000-161-019	4	Pin, Hair, Cotter, 3/16" Dia. x 3-3/4" Long
11	000-161-081	1	Pin, Top Link, 3/4" Dia. x 5-1/2" Long, Category I
12	000-161-085	1	Pin, Top Link, 1" Dia. x 5-1/4" Long, Category II
13	000-161-028	2	Pin, Lynch, Locking, 7/16"
14	001-001-083	1	Canister, Operators Manual
15	LP	3	Washer, Flat, 1/4"
16	LP	3	Bolt, Hex Head, 1/4"-20UNC x 1" Long
17	LP	3	Nut, Hex, Nylon Lock, 1/4"-20UNC
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 2. Wheel Frame and Related Parts



Laser Grading Box PARTS LIST



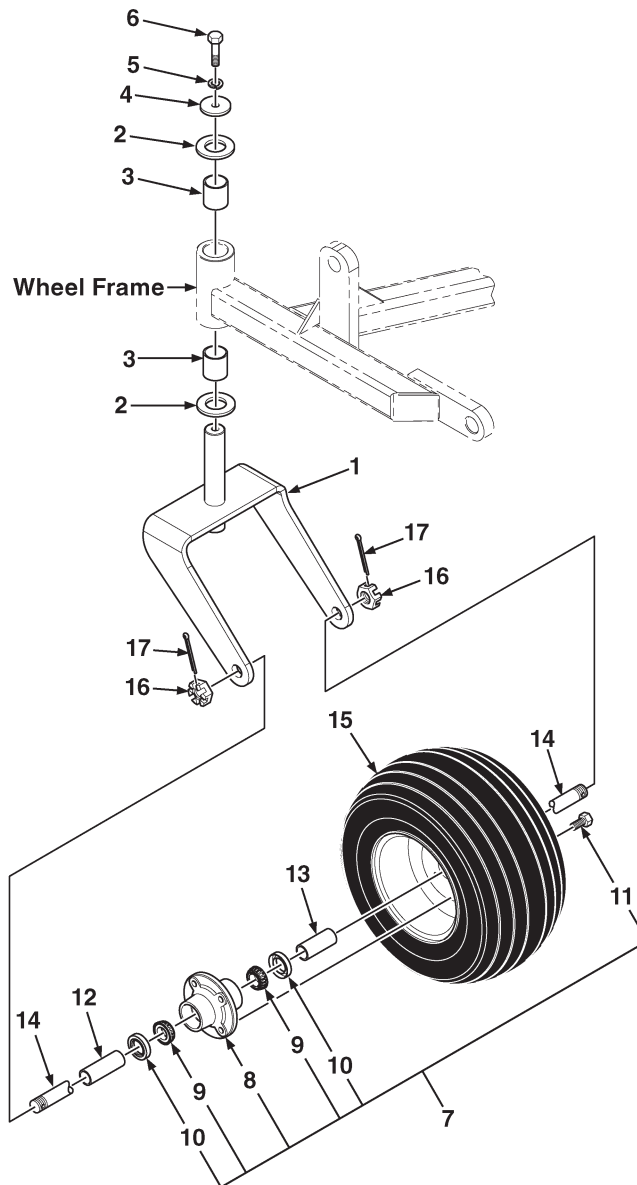
Figure 2. Wheel Frame and Related Parts

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Item	Part No.	Qty	Description
1	315-527-000	1	Frame, Wheel, Tractor, Double, Left Side, 6'
	315-529-000	1	Frame, Wheel, Tractor, Double, Left Side, 7' & 8'
			Includes Items 3, 4 & 5
2	315-531-000	1	Frame, Wheel, Tractor, Double, Right Side, 6'
	315-533-000	1	Frame, Wheel, Tractor, Double, Right Side, 7' & 8'
			Includes Items 3, 4 & 5
3	000-176-173	2	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1/2" Long
4	000-176-174	4	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
5	000-176-171	4	Bushing, Wheel Caster, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
6	000-155-003	7	Washer, Flat, 1-1/2" OD x 1" ID x 14 Gauge Thick
7	000-161-065	3	Pin, Pivot, 1" Dia. x 3-1/4" Long
8	000-161-024	3	Pin, Retainer, 3/8" Dia. x 3-1/4" Long
9	LP	3	Bolt, Hex Head, 5/16"-18UNC x 1-1/4" Long
10	LP	3	Nut, Hex, Nylon Lock, 5/16"-18UNC
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 3. Caster Fork and Wheel



Laser Grading Box PARTS LIST



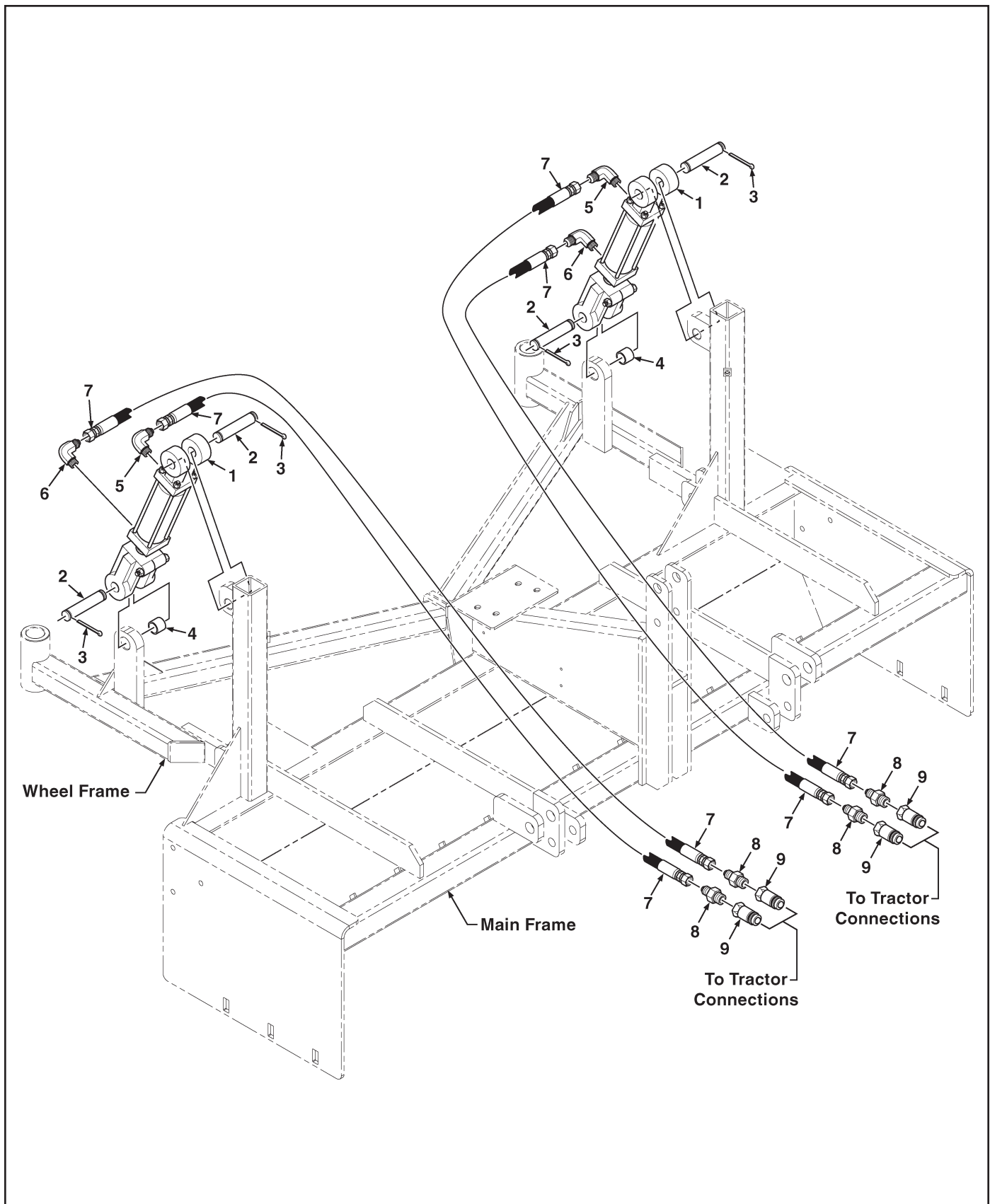
Figure 3. Caster Fork and Wheel

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Item	Part No.	Qty	Description
1	315-548-000	2	Fork, Caster
2	000-155-002	4	Washer, Flat, 2-1/4" OD x 1-1/2" ID x 10 Gauge Thick
3	000-176-171	4	Bushing, Wheel Frame, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	000-155-004	2	Washer, Flat, 2-1/4" OD x 17/32" ID x 1/4" Thick
5	LP	2	Washer, Lock, 1/2"
6	LP	2	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
7	001-001-069	2	Bearing Assembly, Includes Items 8 thru 12
8	001-001-074	1	Hub, Wheel, With Outer Race
9	000-176-184	2	Bearing, Roller, Tapered, 1" Dia. Bore
10	000-166-457	2	Seal, Grease, 2" OD x 1-1/4" ID
11	LP	4	Bolt, Hex Head, 1/2"-20UNF x 1" Long
12	315-551-000	2	Spacer, Wheel Bearing, Long
13	315-552-000	2	Spacer, Wheel Bearing, Short
14	315-553-000	2	Shaft, Axle, Wheel, Roller Bearing
15	001-001-057	2	Wheel/Tire, 18/8.50-12
16	000-158-193	4	Nut, Castle, 1"-14UNF
17	LP	4	Pin, Cotter, 1/8" Dia. x 1-1/4" Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 4. Hydraulics Cylinder Only



Laser Grading Box PARTS LIST



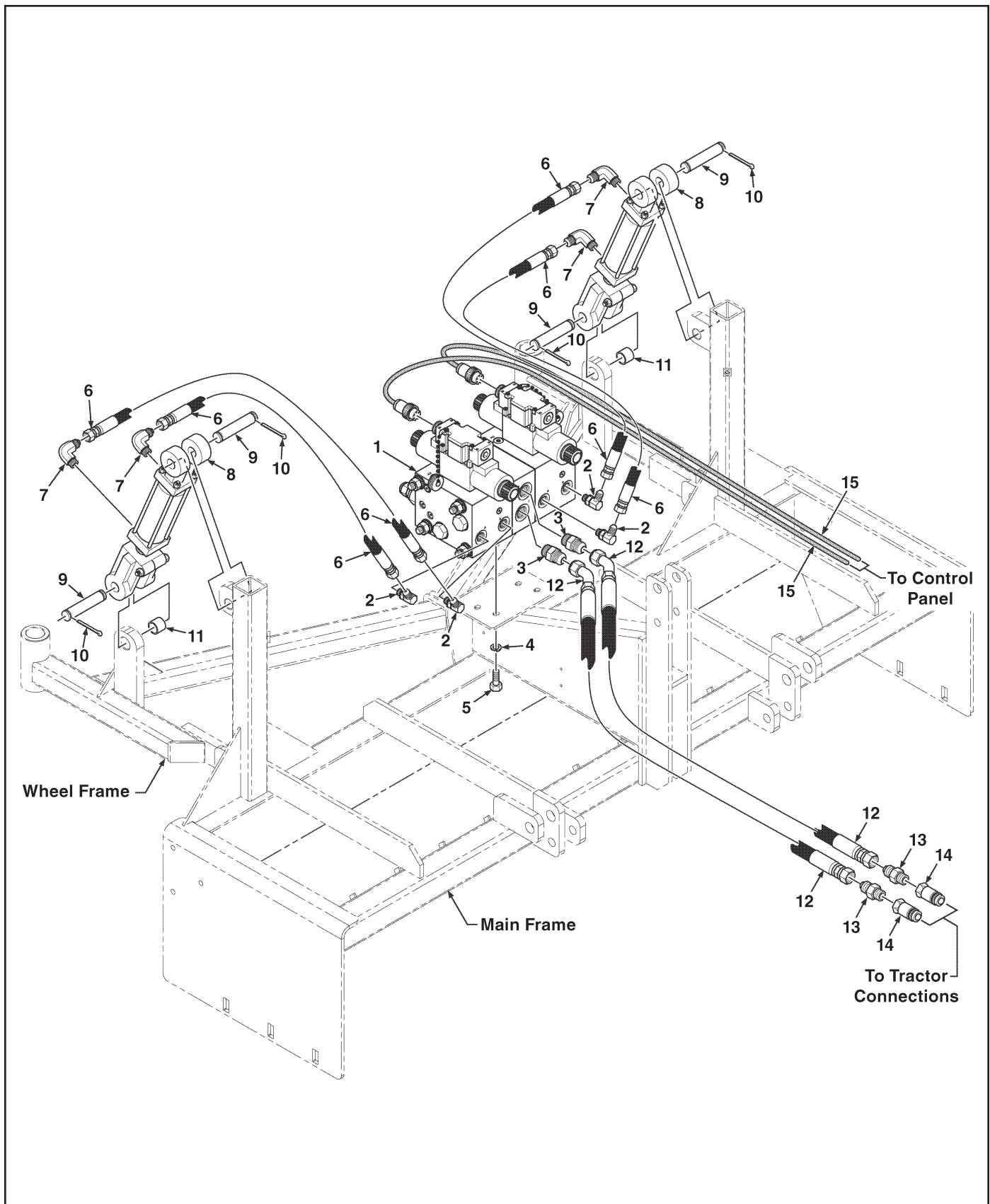
Figure 4. Hydraulics Cylinder Only

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Item	Part No.	Qty	Description
1	000-166-181	2	Cylinder, Hydraulic, 3" Bore x 6" Stroke, See Breakdown Figure 15, Includes Items 2 & 3
2	000-161-068	2	Pin, Cylinder, 1" Dia. x 3-3/8" Long
3	LP	4	Pin, Cotter, 3/16" Dia. x 1-3/4" Long
4	000-176-174	2	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
5	000-166-488	2	Elbow, 90°, 6MJ x 8MB, With Orifice
6	000-166-417	2	Elbow, 90°, 6MJ x 8MB
7	000-166-453	4	Hose, 1/2" Dia. x 90" Long x 6FJX x 8FJX, 3,000 PSI
8	000-166-168	4	Adapter, Straight, 8MJ x 8MP
9	000-166-210	4	Coupler, Quick, Ag, Male, 1/2"
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

**Figure 5. Hydraulics With Optional Valve Assembly -
ASN1439**



Laser Grading Box PARTS LIST



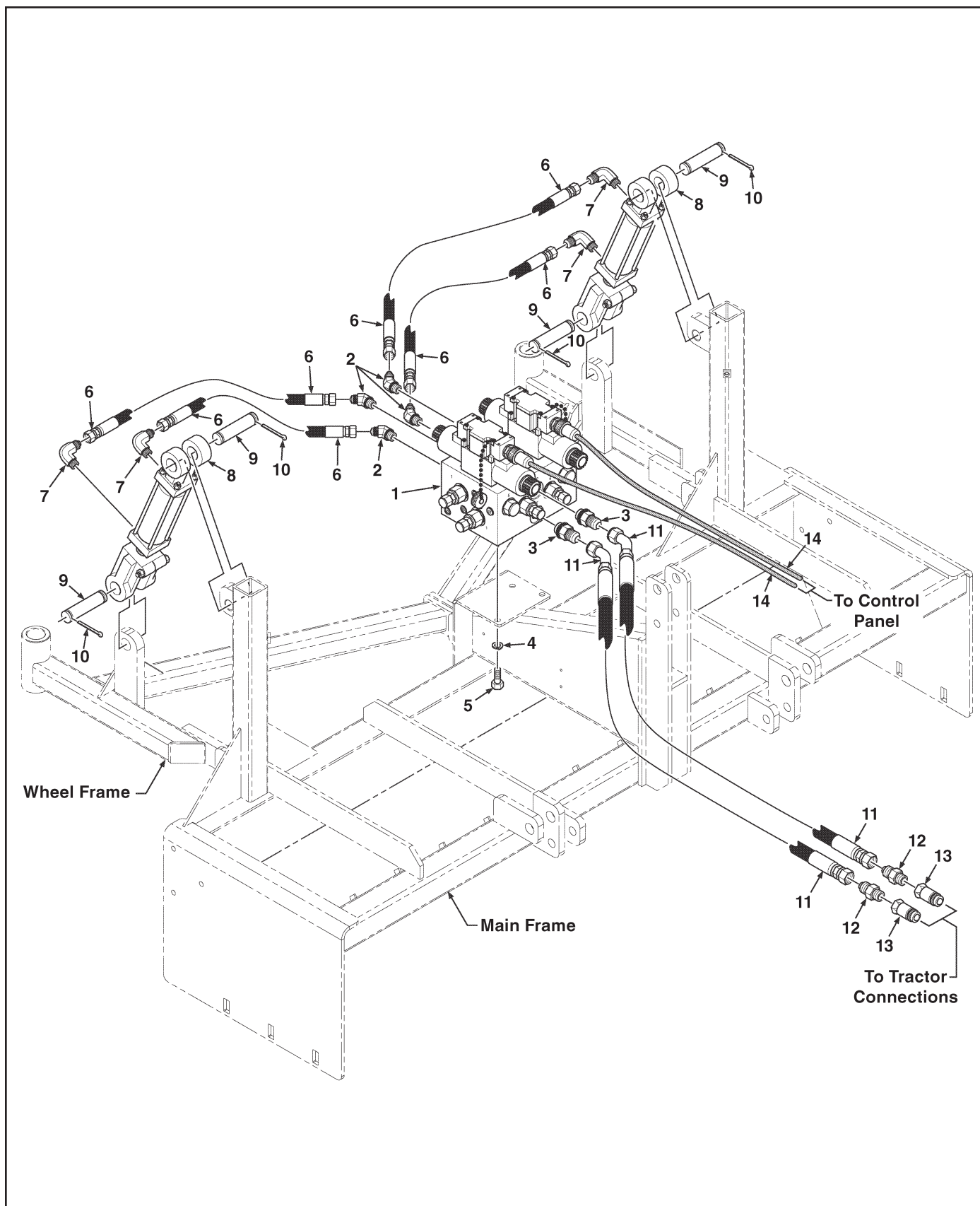
**Figure 5. Hydraulics With Optional Valve Assembly -
ASN1439**

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Item	Part No.	Qty	Description
1	000-166-495	1	Valve Assembly, Hydraulic,, Includes Items 2 & 3, See Breakdown Figure 8
2	000-166-225	4	Elbow, 90°, 6MJ x 6MB
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	LP	4	Washer, Lock, 1/2"
5	LP	4	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
6	000-166-429	4	Hose, 3/8" Dia x 36" Long x 6FJX x 6FJX, 3,000 PSI, 6' Frame
	000-166-481	4	Hose, 3/8" Dia x 40" Long x 6FJX x 6FJX, 3,000 PSI, 7' & 8' Frame
7	000-166-417	4	Elbow, 90°, 6MJ x 8MB
8	000-166-181	2	Cylinder, Hydraulic, 3" Bore x 6" Stroke, See Breakdown Figure 15
9	000-161-068	4	Pin, Cylinder, 1" Dia. x 3-3/8" Long
10	LP	8	Pin, Cotter, 3/16" x 1-3/4" Long
11	000-176-174	2	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
12	000-166-187	2	Hose, 1/2" Dia x 58" Long x 8FJX x 8FJX45, 3,000 PSI
13	000-166-168	2	Adapter, Straight, 8MJ x 8MP
14	000-166-210	2	Coupler, Quick, Ag, Male, 1/2"
15	000-200-151	2	Cable, Solenoid, 90° Connector, 12' Long
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

**Figure 6. Hydraulics With Optional Valve Assembly -
BSN1440 - ASN1259**



Laser Grading Box PARTS LIST



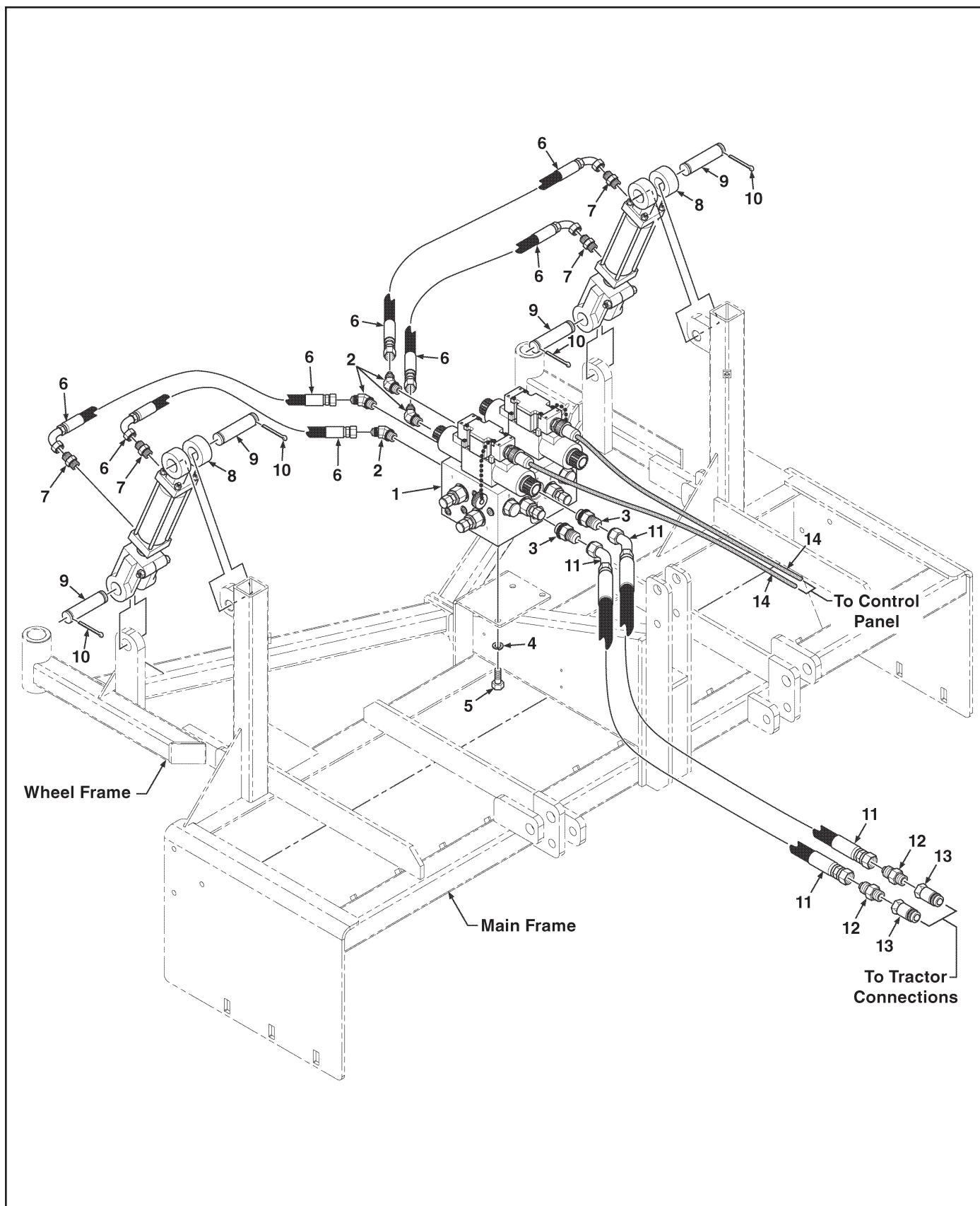
**Figure 6. Hydraulics With Optional Valve Assembly -
BSN1440 - ASN1259**

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Item	Part No.	Qty	Description
1	000-166-406	1	Valve Assembly, Hydraulic,, Includes Items 2 & 3, See Breakdown Figure 9
2	000-166-175	4	Elbow, 45°, 6MJ x 6MB
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	LP	3	Washer, Lock, 1/2"
5	LP	3	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
6	000-166-429	4	Hose, 3/8" Dia x 36" Long x 6FJX x 6FJX, 3,000 PSI, 6' Frame
	000-166-481	4	Hose, 3/8" Dia x 40" Long x 6FJX x 6FJX, 3,000 PSI, 7' & 8' Frame
7	000-166-417	4	Elbow, 90°, 6MJ x 8MB
8	000-166-181	2	Cylinder, Hydraulic, 3" Bore x 6" Stroke, See Breakdown Figure 15
9	000-161-068	4	Pin, Cylinder, 1" Dia. x 3-3/8" Long
10	LP	8	Pin, Cotter, 3/16" x 1-3/4" Long
11	000-166-187	2	Hose, 1/2" Dia x 58" Long x 8FJX x 8FJX45, 3,000 PSI
12	000-166-168	2	Adapter, Straight, 8MJ x 8MP
13	000-166-210	2	Coupler, Quick, Ag, Male, 1/2"
14	000-200-151	2	Cable, Solenoid, 90° Connector, 12' Long
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel
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Laser Grading Box PARTS LIST

**Figure 7. Hydraulics With Optional Valve Assembly -
BSN1260**



Laser Grading Box PARTS LIST

Figure 7. Hydraulics With Optional Valve Assembly - BSN1260

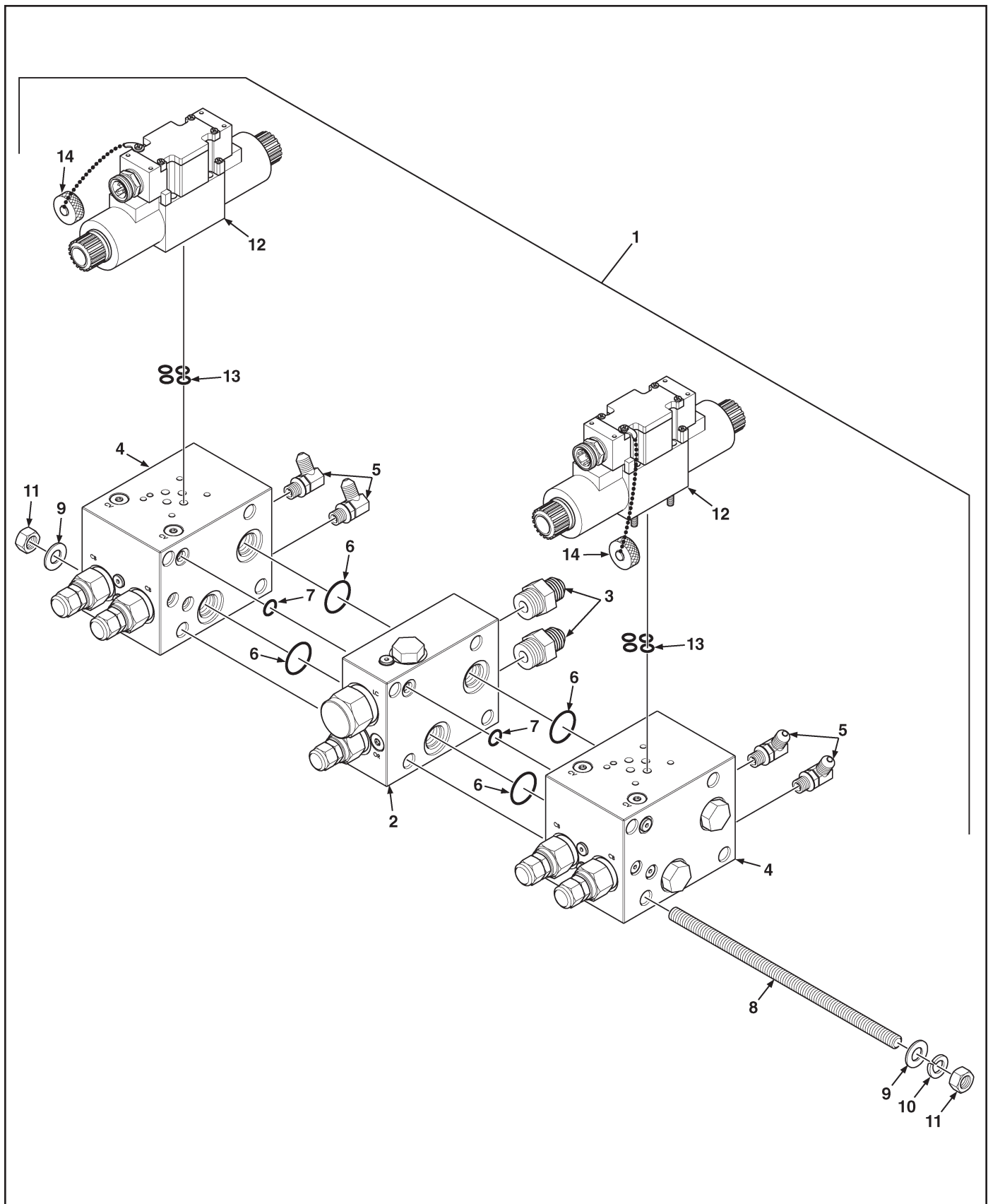


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Item	Part No.	Qty	Description
1	000-166-406	1	Valve Assembly, Hydraulic,, Includes Items 2 & 3, See Breakdown Figure 9
2	000-166-175	4	Elbow, 45°, 6MJ x 6MB
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	LP	3	Washer, Lock, 1/2"
5	LP	3	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
6	000-166-206	4	Hose, 3/8" Dia x 36" Long x 6FJX x 8FJX90, 3,000 PSI, 6' Frame
	000-166-227	4	Hose, 3/8" Dia x 40" Long x 6FJX x 8FJX90, 3,000 PSI, 7' & 8' Frame
7	000-166-170	4	Adapter, Straight, 8MJ x 8MB
8	000-166-181	2	Cylinder, Hydraulic, 3" Bore x 6" Stroke, See Breakdown Figure 15
9	000-161-068	4	Pin, Cylinder, 1" Dia. x 3-3/8" Long
10	LP	8	Pin, Cotter, 3/16" x 1-3/4" Long
11	000-166-187	2	Hose, 1/2" Dia x 58" Long x 8FJX x 8FJX45, 3,000 PSI
12	000-166-168	2	Adapter, Straight, 8MJ x 8MP
13	000-166-210	2	Coupler, Quick, Ag, Male, 1/2"
14	000-200-106	2	Cable, Solenoid, 90° Connector, 12' Long
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel
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Figure 8. Hydraulic Valve Assembly - ASN1439



Laser Grading Box PARTS LIST



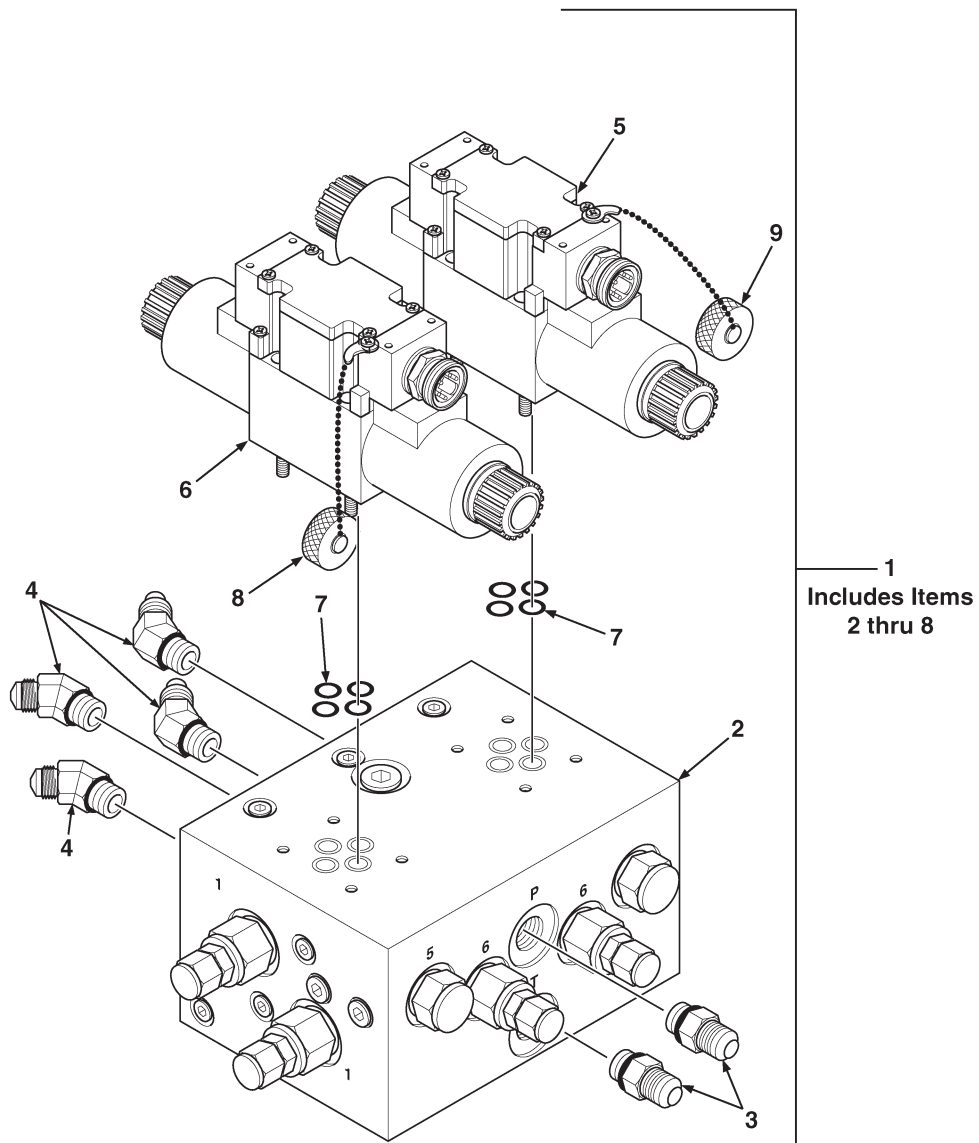
Figure 8. Hydraulic Valve Assembly - ASN1439

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Item	Part No.	Qty	Description
1	000-166-495	1	Valve Assembly, Hydraulic, Includes Items 2 thru 14
2	NSS	1	Manifold Block, Primary, Includes Item 3,
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	NSS	2	Manifold Block, Secondary, Includes Item 5,
5	000-166-225	4	Elbow, 90°, 6MJ x 6MB
6	LP	4	O-Ring, Dash 120
7	LP	2	O-Ring, Dash 112
8	LP	4	Rod, Threaded, 7/16"-20UNF x 10-1/8" Long
9	LP	8	Washer, Flat, 7/16" SAE
10	LP	4	Washer, Lock, 7/16"
11	LP	8	Nut, Hex, 7/16"-20UNF
12	000-166-409	2	Valve, Directional, Includes Item 13
13	LP	8	O-Ring, Directional Valve
14	001-001-060	2	Cap, Quick Disconnect, with Chain
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Laser Grading Box PARTS LIST

Figure 9. Hydraulic Valve Assembly - BSN1440



Laser Grading Box PARTS LIST



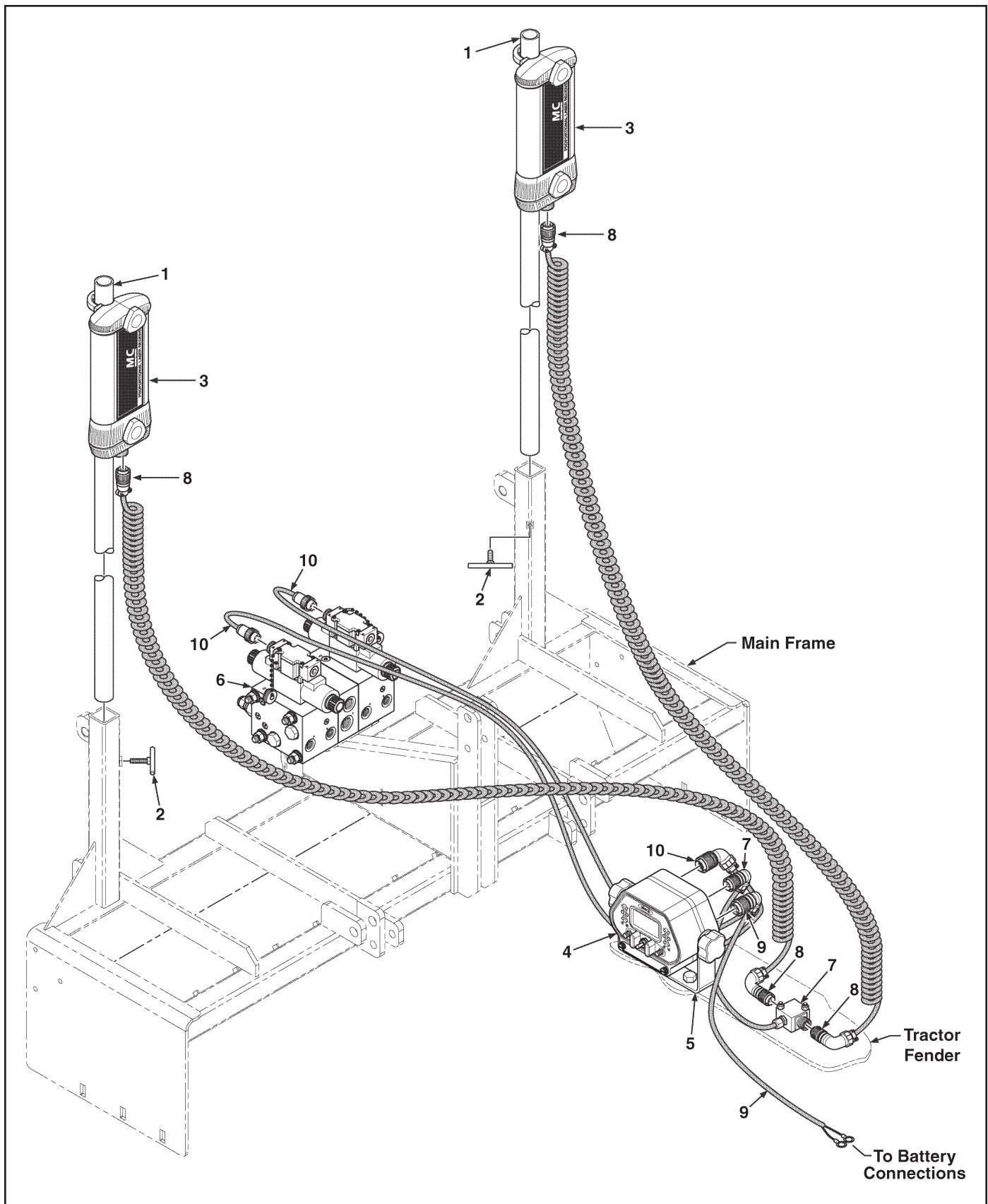
Figure 9. Hydraulic Valve Assembly - BSN1440

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Item	Part No.	Qty	Description
1	000-166-406	1	Valve Assembly, Hydraulic, Includes Items 2 thru 8
2	NSS	1	Manifold Block, Double, Includes Items 3 & 4
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	000-166-175	4	Elbow, 45°, 6MJ x 6MB
5	000-166-427	1	Valve, Directional, Left Side, Includes Item 7
6	000-166-428	1	Valve, Directional, Right Side, Includes Item 7
7	LP	8	O-Ring, Directional Valve
8	001-001-060	2	Cap, Quick Disconnect, with Chain
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 10. Laser Controls and Related Parts Apache CB52



Laser Grading Box PARTS LIST



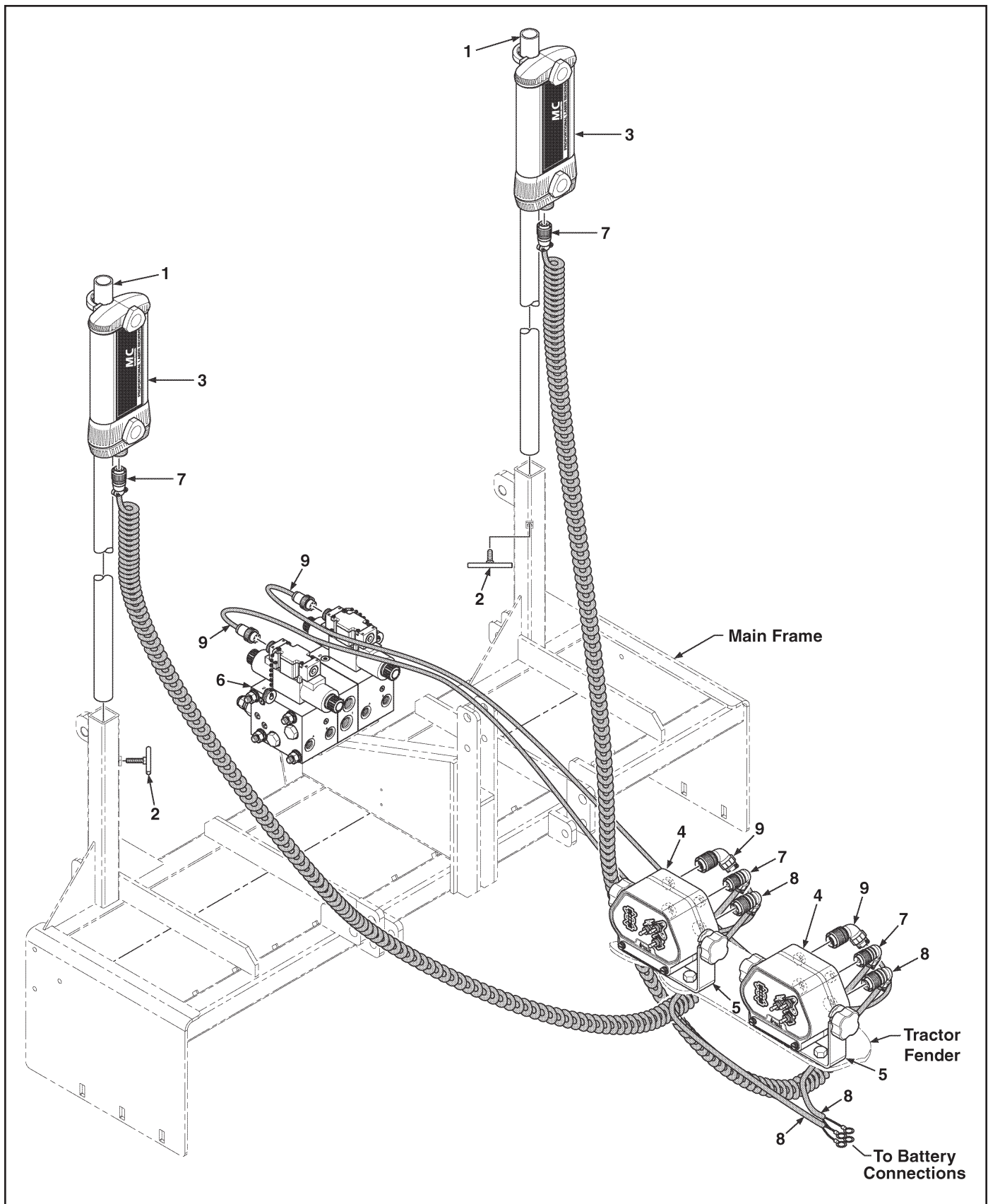
Figure 10. Laser Controls and Related Parts Apache CB52

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1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
1	001-001-052	2	Pole, Mast
2	001-001-053	2	Handle, Tee
3	000-200-093	2	Receiver, Bullseye 5MC
4	000-200-092	2	Panel, Control, CB52, See Breakdown Figure 13
5	001-001-075	2	Bracket, Control Panel
6	000-166-495	1	Valve Assembly, Hydraulic, See Breakdown Figure 8
7	000-200-185	1	Block, Junction, With Dual Receiver Cable
8	000-200-187	2	Cable, Receiver, Coiled, 16' Long
9	000-200-097	1	Cable, Power, 2-Wire, 20' Long
10	000-200-174	1	Cable, Solenoid, Double, 90° Connector, 12' Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 11. Laser Controls and Related Parts
Apache CB26 - ASN1439



Laser Grading Box PARTS LIST



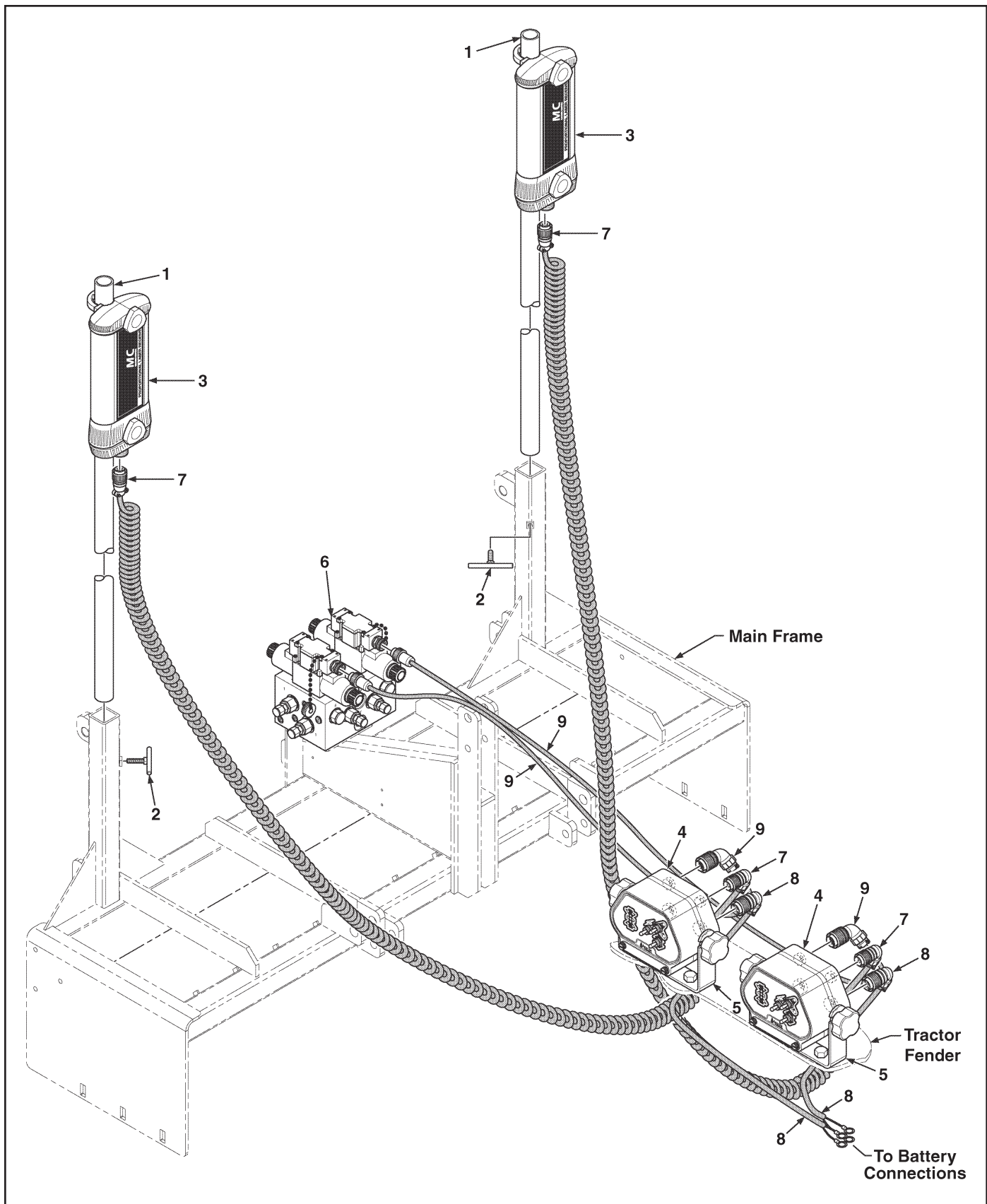
Figure 11. Laser Controls and Related Parts
Apache CB26 - ASN1439

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1-800-342-0905
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Item	Part No.	Qty	Description
1	001-001-052	2	Pole, Mast
2	001-001-053	2	Handle, Tee
3	000-200-093	2	Receiver, Bullseye 5MC
4	000-200-092	2	Panel, Control, See Breakdown Figure 14
5	001-001-075	2	Bracket, Control Panel
6	000-166-495	1	Valve Assembly, Hydraulic, See Breakdown Figure 8
7	000-200-099	2	Cable, Receiver, Coiled, 15' Long
8	000-200-097	2	Cable, Power, 2-Wire, 20' Long
9	000-200-106	2	Cable, Solenoid, 90° Connector, 12' Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 12. Laser Controls and Related Parts
Apache CB26 - BSN1440



Laser Grading Box PARTS LIST



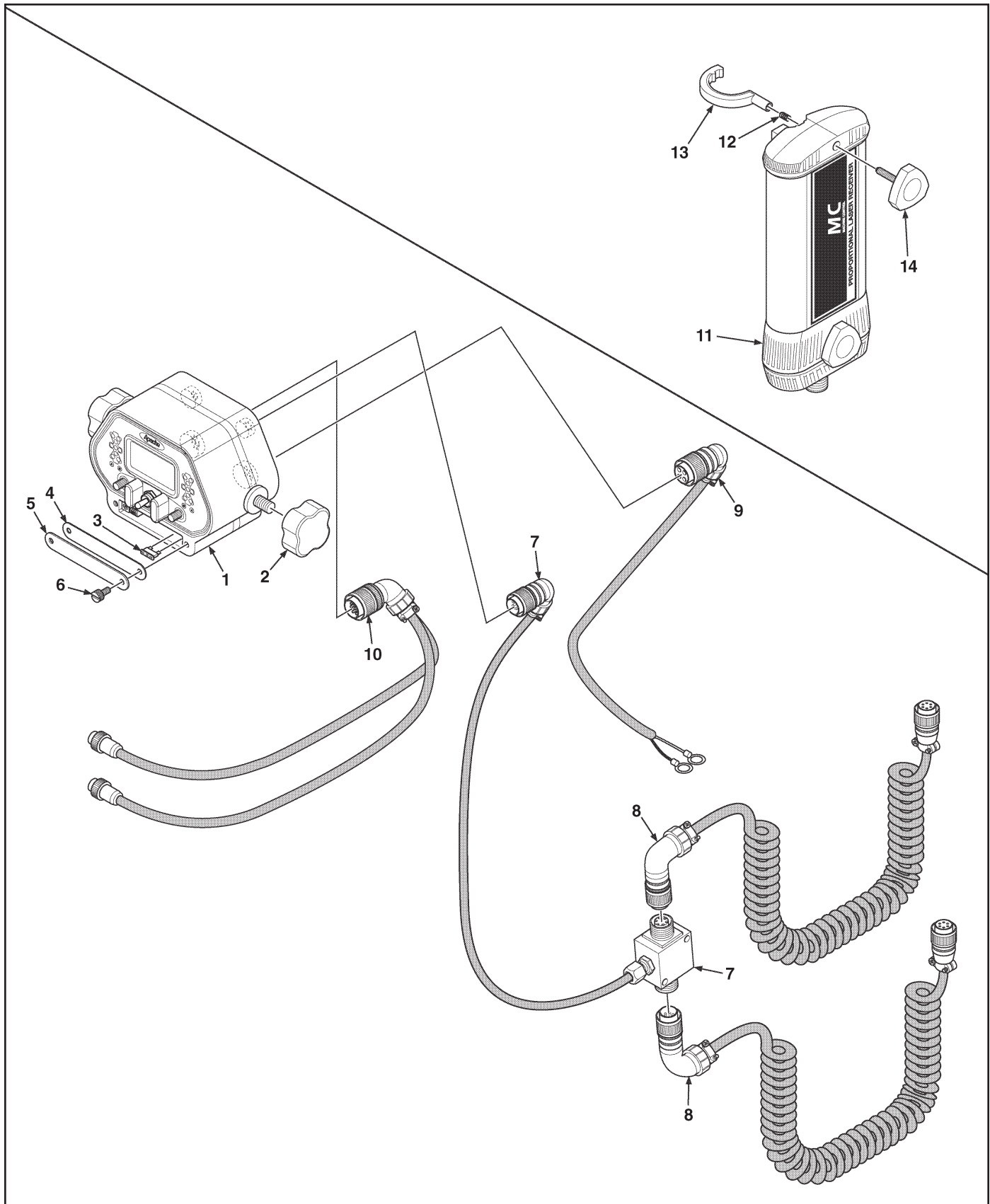
Figure 12. Laser Controls and Related Parts
Apache CB26 - BSN1440

ATI Corporation
 New Holland, PA 17557
 Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
1	001-001-052	2	Pole, Mast
2	001-001-053	2	Handle, Tee
3	000-200-093	2	Receiver, Bullseye 5MC
4	000-200-092	2	Panel, Control, See Breakdown Figure 14
5	001-001-075	2	Bracket, Control Panel
6	000-166-406	1	Valve Assembly, Hydraulic, See Breakdown Figure 9
7	000-200-099	2	Cable, Receiver, Coiled, 15' Long
8	000-200-097	2	Cable, Power, 2-Wire, 20' Long
9	000-200-106	2	Cable, Solenoid, 90° Connector, 12' Long, BSN1260
	000-200-151	2	Cable, Solenoid, 90° Connector, 12' Long, ASN1259
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 13. Control Panel CB52, Receiver, Cables and Related Parts - ASN1439



Laser Grading Box PARTS LIST



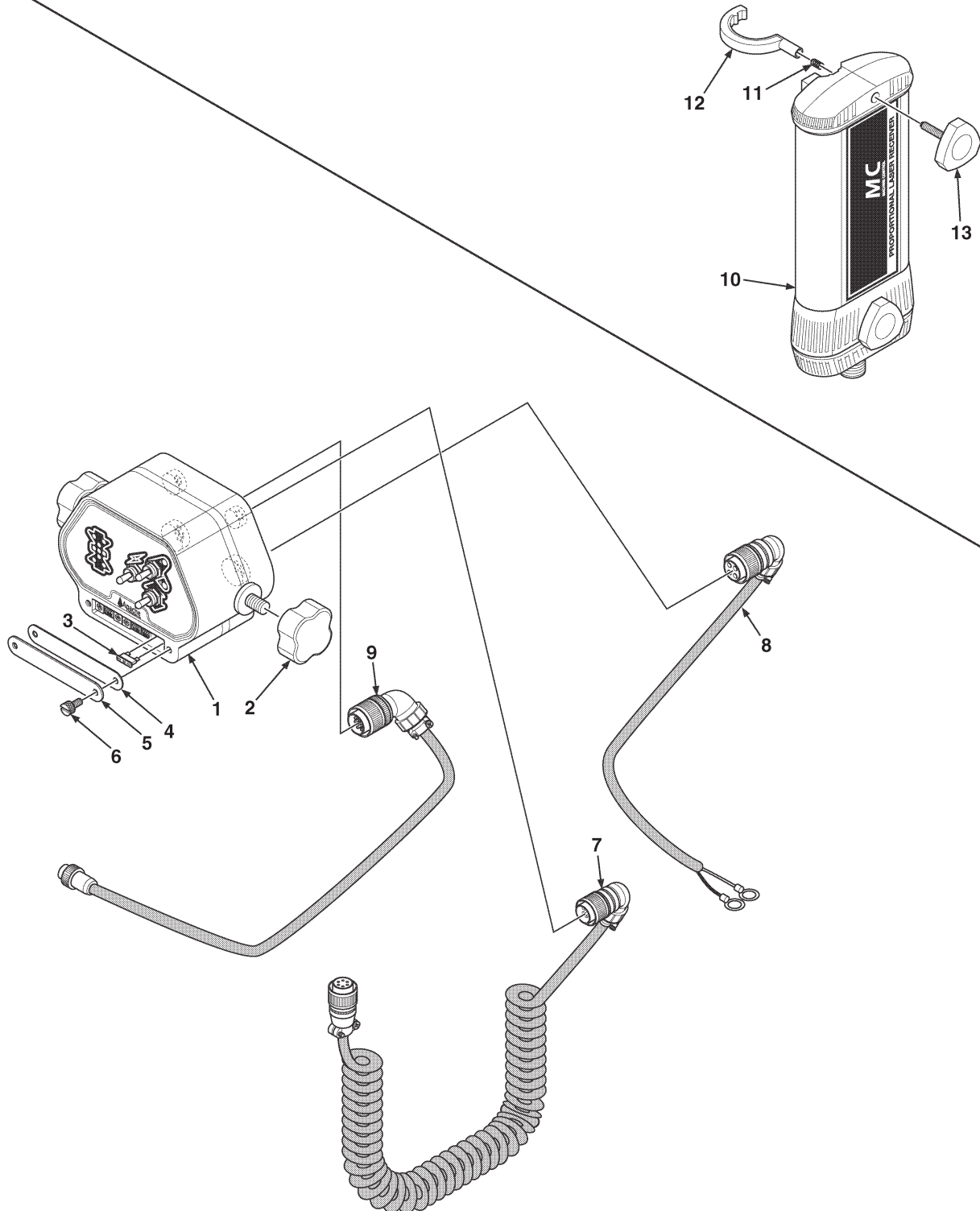
Figure 13. Control Panel CB52, Receiver, Cables and Related Parts - ASN1439

ATI Corporation
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1-800-342-0905
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Item	Part No.	Qty	Description
1	000-200-176	1	Panel, Control, Single, Includes Items 2 thru 6
2	000-200-112	2	Knob
3	LP	1	Fuse, 25 Amp
4	000-200-115	1	Gasket, Front Cover Plate
5	000-200-114	1	Plate, Front Cover
6	000-200-113	2	Screw, Thumb
7	000-200-185	1	Block, Junction, With Dual Receiver Cable
8	000-200-187	2	Cable, Receiver, Coiled, 16' Long
9	000-200-097	1	Cable, Power, 2-Wire, 20' Long
10	000-200-174	1	Cable, Solenoid, Double, 90° Connector, 12' Long
11	000-200-093	1	Receiver, Bullseye 5MC, Includes Items 16 thru 18
12	000-161-094	2	Spring, Clamp, Compression
13	000-200-108	2	Clamp, Universal, 2" Dia.
14	000-200-107	2	Knob, Clamp
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 14. Control Panel CB26, Receiver, Cables and Related Parts



Laser Grading Box PARTS LIST



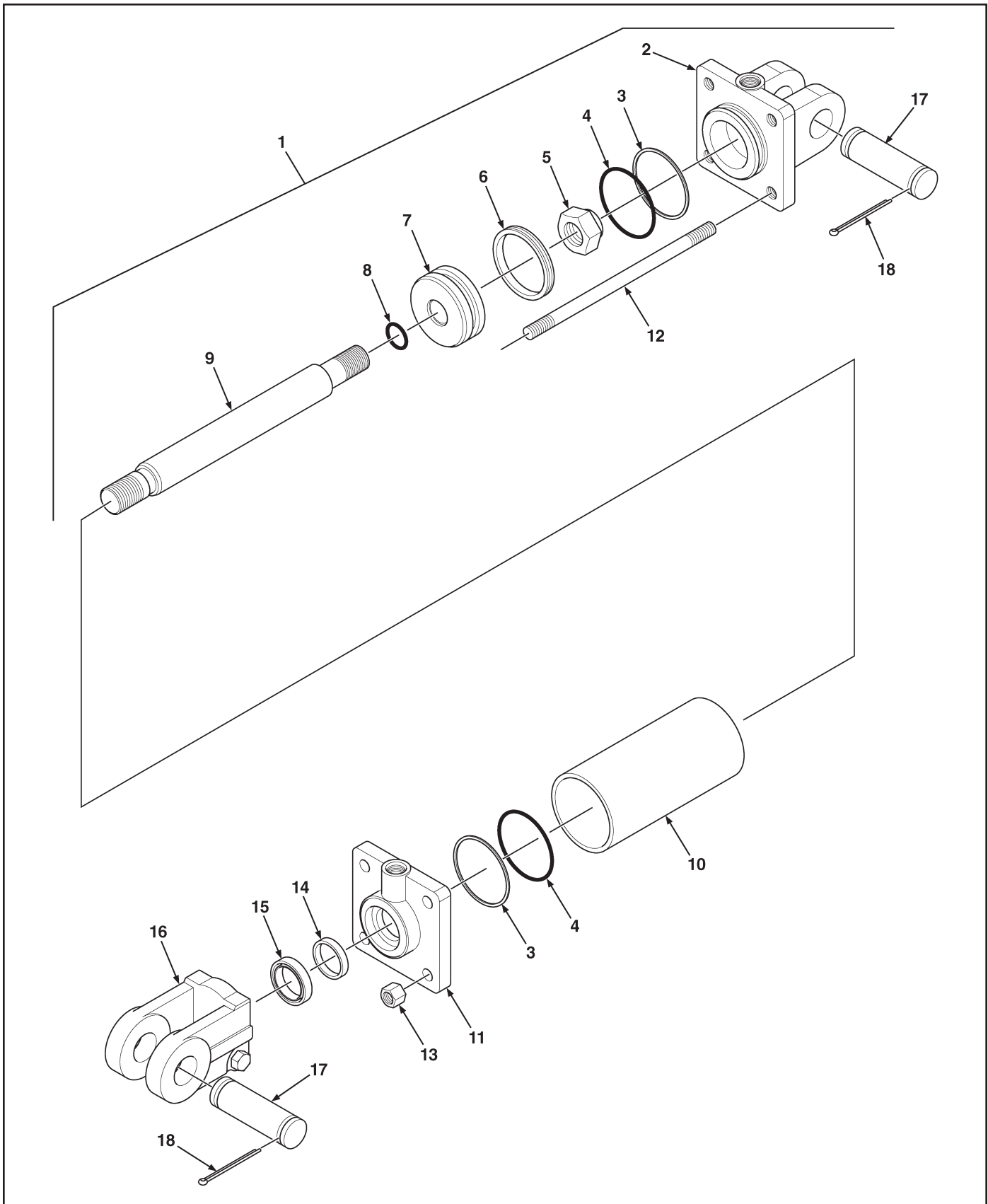
Figure 14. Control Panel CB26, Receiver, Cables and Related Parts

ATI Corporation
New Holland, PA 17557
Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
1	000-200-092	1	Panel Assembly, Control, Includes Items 2 thru 6
2	000-200-112	2	Knob
3	LP	1	Fuse, 25 Amp
4	000-200-115	1	Gasket, Front Cover Plate
5	000-200-114	1	Plate, Front Cover
6	000-200-113	2	Screw, Thumb
7	000-200-099	1	Cable, Receiver, Coiled, 15' Long
8	000-200-097	1	Cable, Power, 2-Wire, 20' Long
9	000-200-106	2	Cable, Solenoid, 90° Connector, 12' Long, BSN1260
	000-200-151	2	Cable, Solenoid, 90° Connector, 12' Long, ASN1259
10	000-200-093	1	Receiver, Bullseye 5MC, Includes Items 11 thru 13
11	000-161-094	2	Spring, Clamp, Compression
12	000-200-108	2	Clamp, Universal, 2" Dia.
13	000-200-107	2	Knob, Clamp
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 15. Cylinder Assembly, 3" Bore x 6" Stroke



Laser Grading Box PARTS LIST



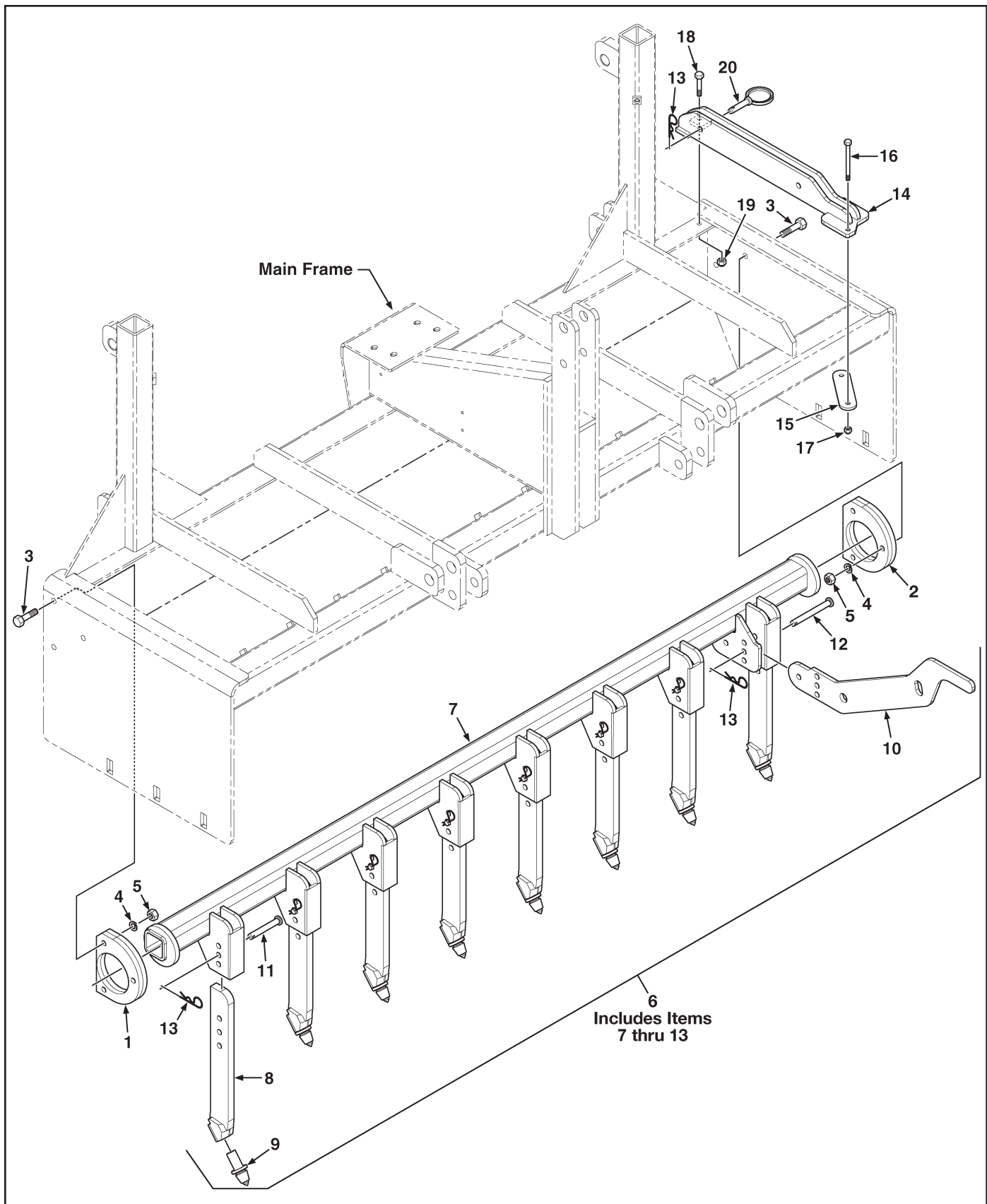
Figure 15. Cylinder Assembly, 3" Bore x 6" Stroke

ATI Corporation
New Holland, PA 17557
Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
1	000-166-181	1	Cylinder Assembly, 3" Bore x 6" Stroke, Includes Items 2 thru 18
2	000-166-322	1	Butt Assembly
3	NSS	2	Ring, Back Up
4	NSS	2	O-Ring
5	000-158-195	1	Nut, Lock
6	NSS	1	Seal, Crown
7	000-166-326	1	Piston
8	NSS	1	O-Ring
9	000-166-328	1	Rod Assembly
10	000-166-329	1	Tube
11	000-166-330	1	Gland
12	000-166-331	4	Tie Rod Assembly, Includes Item 13
13	NSS	4	Nut, Hex, Tie Rod
14	NSS	1	Seal, U-Cup
15	NSS	1	Seal, Wiper
16	000-166-334	1	Clevis Assembly
17	000-161-068	2	Pin, Cylinder, 1" Dia. x 3-3/8" Long
18	LP	4	Pin, Cotter, 3/16" Dia. x 1-3/4" Long
	000-166-207	AR	Kit, Cylinder Repair Includes: Items 3, 4, 6, 8, 14 & 15
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 16. Scarifier Assembly (Optional)



Laser Grading Box PARTS LIST



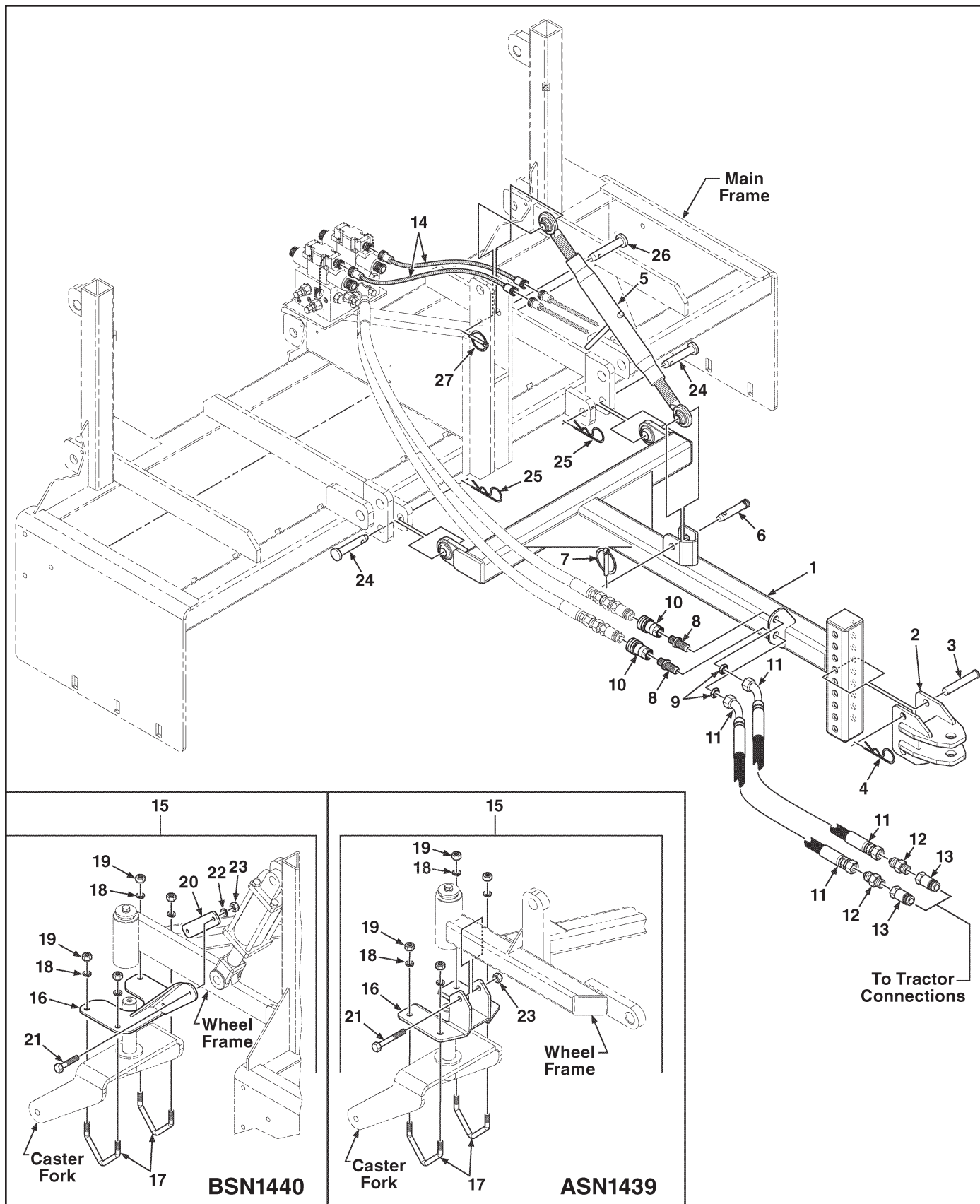
Figure 16. Scarifier Assembly (Optional)

ATI Corporation
New Holland, PA 17557
Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
	315-538-000	1	Kit, Scarifier Assembly, 6' Box
	315-539-000	1	Kit, Scarifier Assembly, 7' Box
	315-540-000	1	Kit, Scarifier Assembly, 8' Box
			Includes Items 1 thru 20
1	315-518-000	1	Block, Mounting, Right
2	315-517-000	1	Block, Mounting, Left
3	LP	6	Bolt, Hex Head, 1/2"-13UNC x 2" Long
4	LP	6	Washer, Lock, 1/2"
5	LP	6	Nut, Hex, 1/2"-13UNC
6	315-535-000	1	Bar Assembly, Scarifier, 6'
	315-536-000	1	Bar Assembly, Scarifier, 7' (Shown)
	315-537-000	1	Bar Assembly, Scarifier, 8'
			Includes Items 7 thru 13
7	315-513-000	1	Tube Assembly, Scarifier, Manual, 6'
	315-514-000	1	Tube Assembly, Scarifier, Manual, 7' (Shown)
	315-515-000	1	Tube Assembly, Scarifier, Manual, 8'
8	315-516-000	AR	Shank Assembly, With Bit Block
9	001-001-054	AR	Bit, Carbide-Tipped
10	315-513-008	1	Handle, Scarifier
11	000-161-072	AR	Pin, Clevis, 1/2" Dia. x 2" Long
12	000-161-073	1	Pin, Clevis, 1/2" Dia. x 3" Long
13	000-161-070	AR	Pin, Hair, Cotter, .120" x 2-3/8" Long
14	315-519-000	1	Latch Assembly, Handle, Scarifier
15	315-519-004	1	Bar, Clamp
16	LP	2	Bolt, Hex Head, 5/16"-18UNC x 4" Long
17	LP	2	Nut, Hex, Nylon Lock, 5/16"-18UNC
18	LP	1	Bolt, Hex Head, 3/8"-16UNC x 1-1/4" Long
19	LP	1	Nut, Hex, Nylon Lock, 3/8"-16UNC
20	000-161-074	1	Pin, Ring, Latch, 1/2" Dia. x 2" Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 17. Drawbar Kit, with Wheel Locks (Optional)



Laser Grading Box PARTS LIST



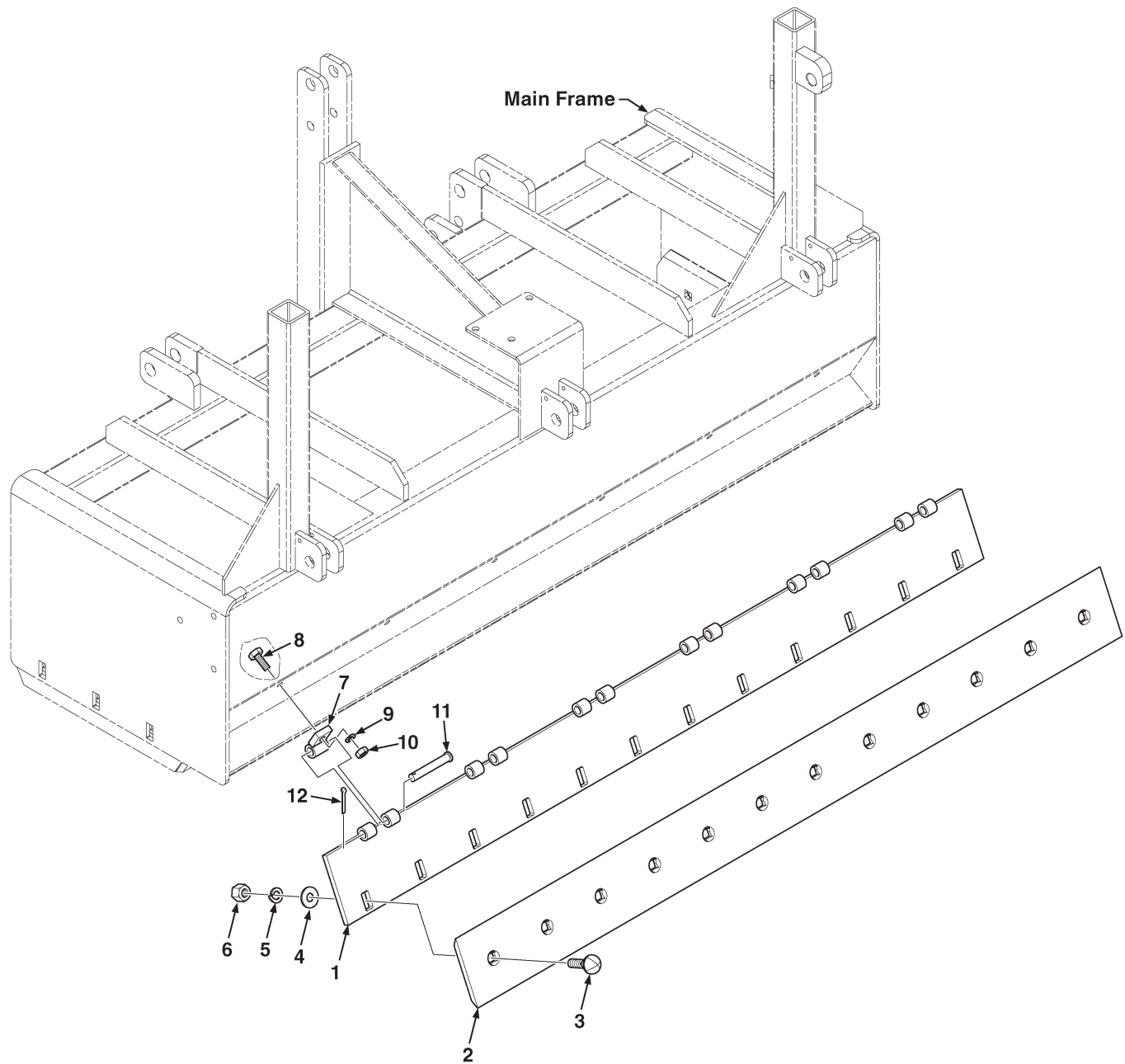
Figure 17. Drawbar Kit, with Wheel Locks (Optional)

ATI Corporation
New Holland, PA 17557
Phone (717) 3564-8721 • FAX (717) 354-2162
1-800-342-0905
www.level-best.com

Item	Part No.	Qty	Description
	315-580-000	1	Kit, Drawbar, Category I, Includes Items 1 thru 23
1	315-541-000	1	Drawbar Weldment
2	315-542-000	1	Hitch, Clevis
3	000-161-079	2	Pin, Clevis, 3/4" Dia. x 4-1/2" Long
4	000-161-071	2	Pin, Cotter, Hair, 0.148" Dia. x 2-11/16" Long
5	001-001-064	1	Top Link
6	000-161-080	1	Pin, Top Link, 3/4" Dia. x 4-1/2" Long
7	000-161-028	1	Pin, Lynch, Locking, 7/16"
8	000-166-447	2	Connector, Bulkhead, 8MP x 8BH, Includes Item 9
9	NSS	2	Nut, Hex, Jam Lock
10	000-166-218	2	Coupler, Quick Disconnect, Ag, Female, 1/2" x 1/2" NPT
11	000-166-186	2	Hose, 1/2" Dia. x 52" Long x 8FJX x 8FJX45, 3,000 PSI
12	000-166-168	2	Adapter, Straight, 8MJ x 8MP
13	000-166-210	2	Coupler, Quick Disconnect, Ag, Male, 1/4"
14	000-200-173	2	Cable, Extension, Solenoid, 3' Long
15	315-579-000	1	Kit, Wheel Lock, Includes Items 16 thru 23
16	315-545-000	2	Wheel Lock Weldment, ASN1439
	315-578-000	1	Wheel Lock Weldment, Right Hand (Shown), BSN1440
	315-577-000	1	Wheel Lock Weldment, Left Hand (Not Shown), BSN1440
17	000-161-082	4	Bolt, V
18	LP	8	Washer, Lock, 1/2"
19	LP	8	Nut, Hex, 1/2"-13UNC
20	315-576-000	2	Bar, Wheel Lock, BSN1440
21	LP	2	Bolt, Hex Head, 1/2"-13UNC x 4" Long, ASN1439
	LP	4	Bolt, Hex Head, 3/8"-16UNC x 2-1/4" Long, BSN1440
22	LP	4	Washer, Lock, 3/8, BSN1440"
23	LP	2	Nut, Hex, Nylon Lock, 1/2"-13UNC, ASN1439
	LP	4	Nut, Hex, 3/8"-16UNC, BSN1440
24	000-161-076	2	Pin, Hitch, 7/8" Dia. x 5-1/4" Long, Category I
25	000-161-019	2	Pin, Hair, Cotter, 3/16" Dia. x 3-3/4" Long
26	000-161-081	1	Pin, Top Link, 3/4" Dia. x 5-1/2" Long, Category I
27	000-161-028	1	Pin, Lynch, Locking, 7/16"
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 18. Back Blade Assembly - Hinged (Optional)



Laser Grading Box PARTS LIST



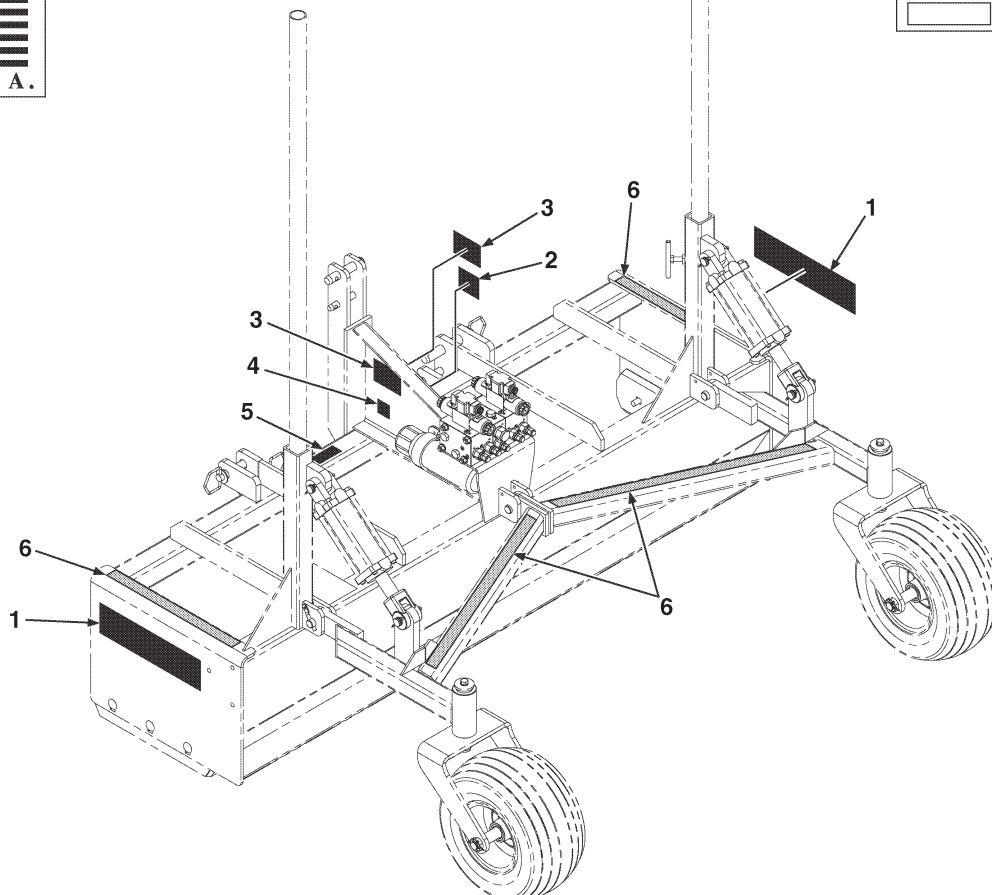
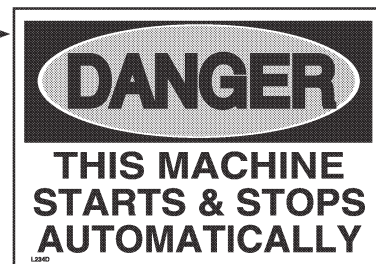
Figure 18. Back Blade Assembly - Hinged (Optional)

ATI Corporation
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Item	Part No.	Qty	Description
1	000-190-132	1	Back Blade Assembly, 72" Long, Includes Items 1 thru 12
	000-190-133	1	Back Blade Assembly, 84" Long, Includes Items 1 thru 12
	000-190-134	1	Back Blade Assembly, 96" Long, Includes Items 1 thru 12
	315-558-000	1	Bracket, Mounting, Rear, Hinged, 72" Long
	315-559-000	1	Bracket, Mounting, Rear, Hinged, 84" Long
	315-560-000	1	Bracket, Mounting, Rear, Hinged, 96" Long
2	000-190-075	1	Edge, Cutting, DBF, 72" Long
	000-190-077	1	Edge, Cutting, DBF, 84" Long
	000-190-079	1	Edge, Cutting, DBF, 96" Long
3	000-150-263	AR	Bolt, Plow, 5/8"-11UNC x 2" Long
4	LP	AR	Washer, Flat, 5/8"
5	000-155-077	AR	Washer, Lock, 5/8"
6	000-158-138	AR	Nut, Hex, 5/8"-11UNC
7	315-561-000	AR	Hinge, Back Blade
8	LP	AR	Bolt, Hex Head, 1/2"-13UNC x 1-1/2" Long
9	LP	AR	Washer, Lock, 1/2"
10	LP	AR	Nut, Hex, 1/2"-13UNC
11	000-161-008	AR	Pin, Clevis, 5/8" Dia. x 4" Long
12	LP	AR	Pin, Cotter, 1/8" Dia. x 1-1/4" Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Laser Grading Box PARTS LIST

Figure 19. Decals



Laser Grading Box PARTS LIST



Figure 19. Decals

ATI Corporation
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Item	Part No.	Qty	Description
1	000-186-045	2	Decal, Level Best Logo
2	000-186-041	1	Decal, Warning, High-Pressure
3	000-186-047	2	Decal, Danger, This Machine Starts & Stops Automatically
4	000-186-048	1	Decal, Made in U.S.A.
5	000-186-035	1	Plate, Model/Serial, Adhesive Back
6	LP	AR	Skid Grip
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			