

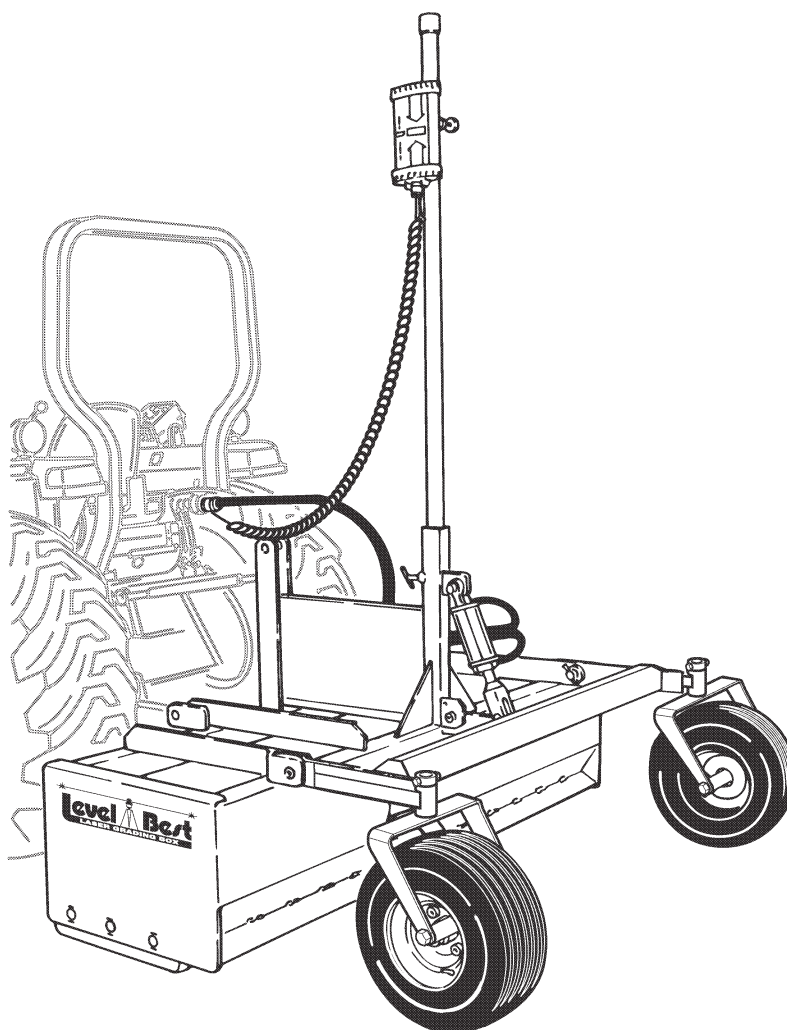
Level Best

LASER GRADING BOX

PARTS MANUAL

FOR

**TRACTOR BOX - SINGLE
LASER ALIGNMENT**



ATI Corporation

New Holland, PA 17557

Phone (717) 354-8721 • FAX (717) 354-2162

1-800-342-0905

www.level-best.com

JANUARY 2006

CAT.# LBSLGBPM-L-0106



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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
315-003-000	LBS5	Box, Grader, Tractor, Single, 5', Cylinder Only
315-004-000	LBS6	Box, Grader, Tractor, Single, 6', Cylinder Only
315-005-000	LBS7	Box, Grader, Tractor, Single, 7', Cylinder Only
315-006-000	LBS8	Box, Grader, Tractor, Single, 8', Cylinder Only
000-166-241		Kit, Hydraulic, Single, Laser Alignment, Includes Valve Assembly, Hoses and Fittings & Solenoid Cable
000-200-054		Kit, Laser Controls, Single Tractor, Includes Single Panel, 360 Degree Receiver, & Cables (Power & Receiver)

Laser Grading Box PARTS LIST

Table of Contents



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SUBJECT	PAGE NO.
Standard Models	ii
Table of Contents	iii
WARRANTY.....	iv
SERIAL NUMBER INFORMATION.....	iv
WHERE TO GET PARTS AND SERVICE.....	iv
HOW TO ORDER PARTS	v
Notes	vi
List Of Parts Illustrations	1



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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

NOTE: Early models used a 4 digit numerical serial number beginning with 00 (example 0012). 1998 through March 2002 a 7 or 8 digit alpha-numerical code was used typically beginning with B- (example B-17050). Beginning in March 2002 through the present a 4 digit numerical number is used beginning at 1000.

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.

Laser Grading Box PARTS LIST



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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

[illegible]

Laser Grading Box PARTS LIST

List Of Parts Illustrations

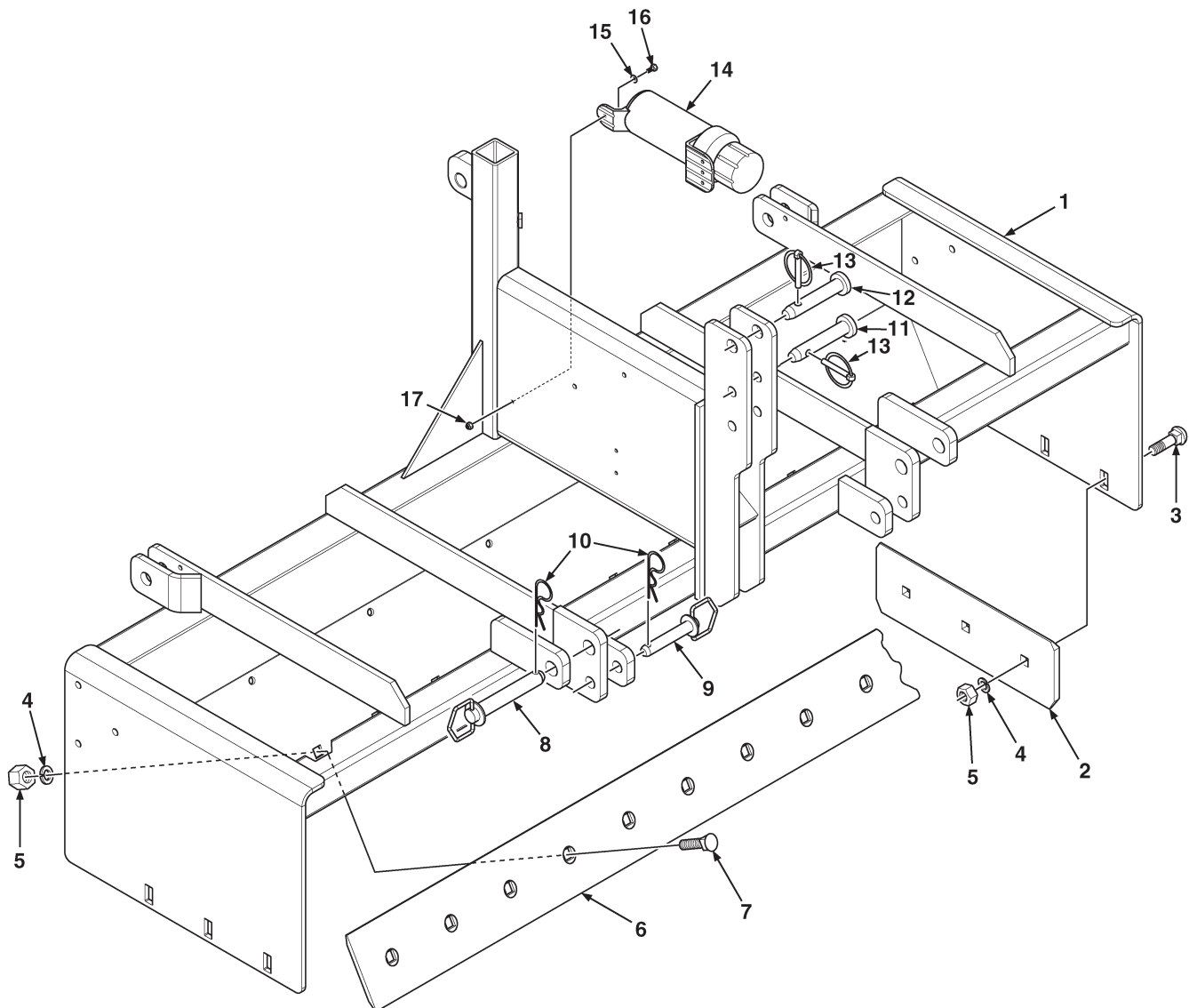


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Figure 1. Main Frame and Cutting Edges	2
Figure 2. Wheel Frame and Related Parts - B Series	4
Figure 3. Wheel Frame and Related Parts - A Series	6
Figure 4. Caster Fork and Wheel - ASN 1109	8
Figure 5. Caster Fork and Wheel - BSN 1110 - ASN 1109	10
Figure 6. Caster Fork and Wheel - ASN 1054	12
Figure 7. Hydraulics Cylinder Only	14
Figure 8. Hydraulics With Optional Valve Assembly	16
Figure 9. Hydraulic Valve Assembly	18
Figure 10. Laser Controls and Related Parts	20
Figure 11. Control Panel, Receiver, Cables and Related Parts	22
Figure 12. Cylinder Assembly, 3" Bore x 6" Stroke	24
Figure 13. Scarifier Assembly (Optional)	26
Figure 14. Drawbar Kit, with Wheel Locks (Optional)	28
Figure 15. Back Blade Assembly - Hinged (Optional)	30
Figure 16. Decals	32

Laser Grading Box PARTS LIST

Figure 1. Main Frame and Cutting Edges



Laser Grading Box PARTS LIST



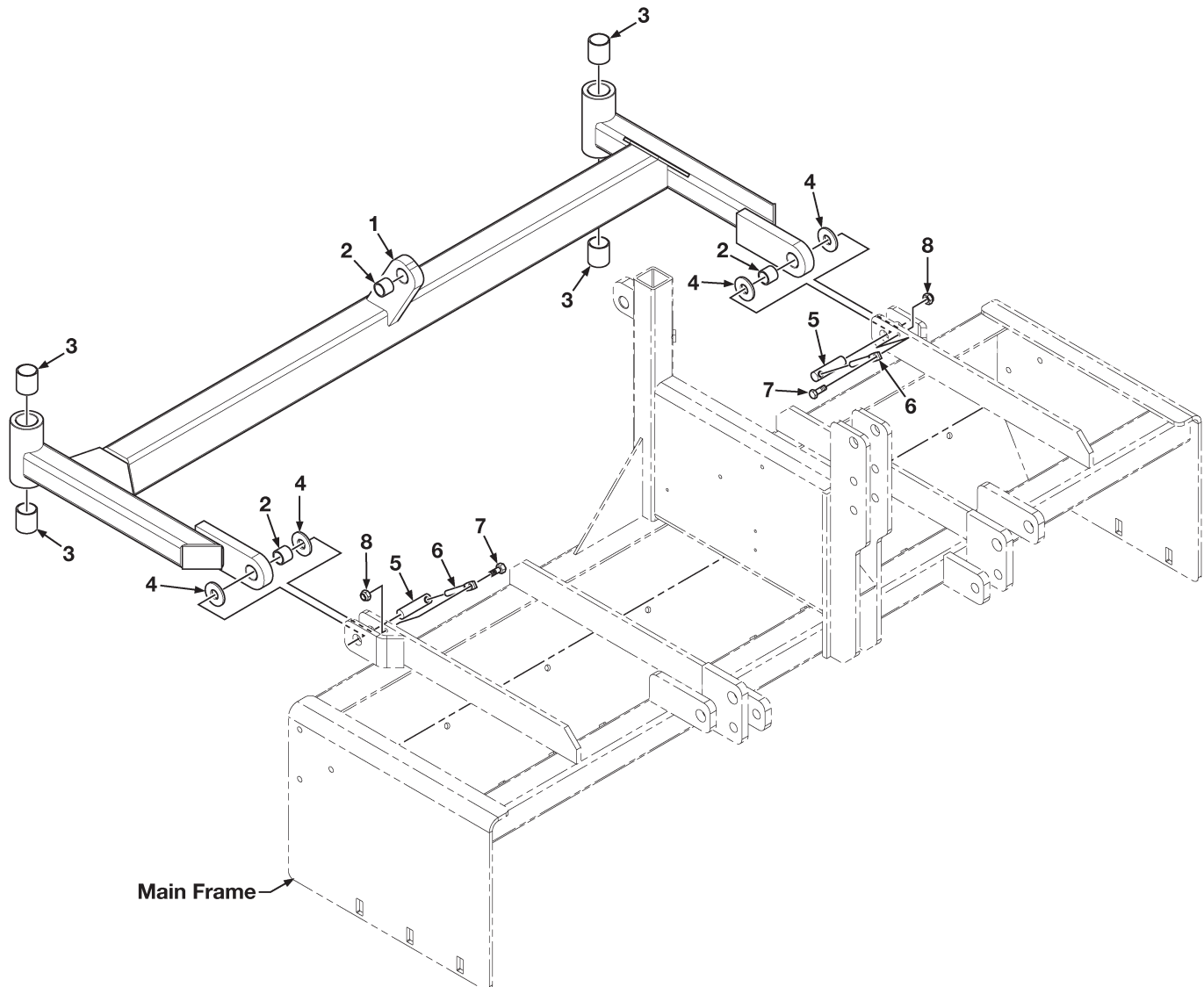
Figure 1. Main Frame and Cutting Edges

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Item	Part No.	Qty	Description
1	315-502-000	1	Frame, Main, Tractor, Single, 5'
	315-503-000	1	Frame, Main, Tractor, Single, 6'
	315-504-000	1	Frame, Main, Tractor, Single, 7'
	315-505-000	1	Frame, Main, Tractor, Single, 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	000-190-128	1	Edge, Cutting, DBF, 60" Long
	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 - B Series



Laser Grading Box PARTS LIST



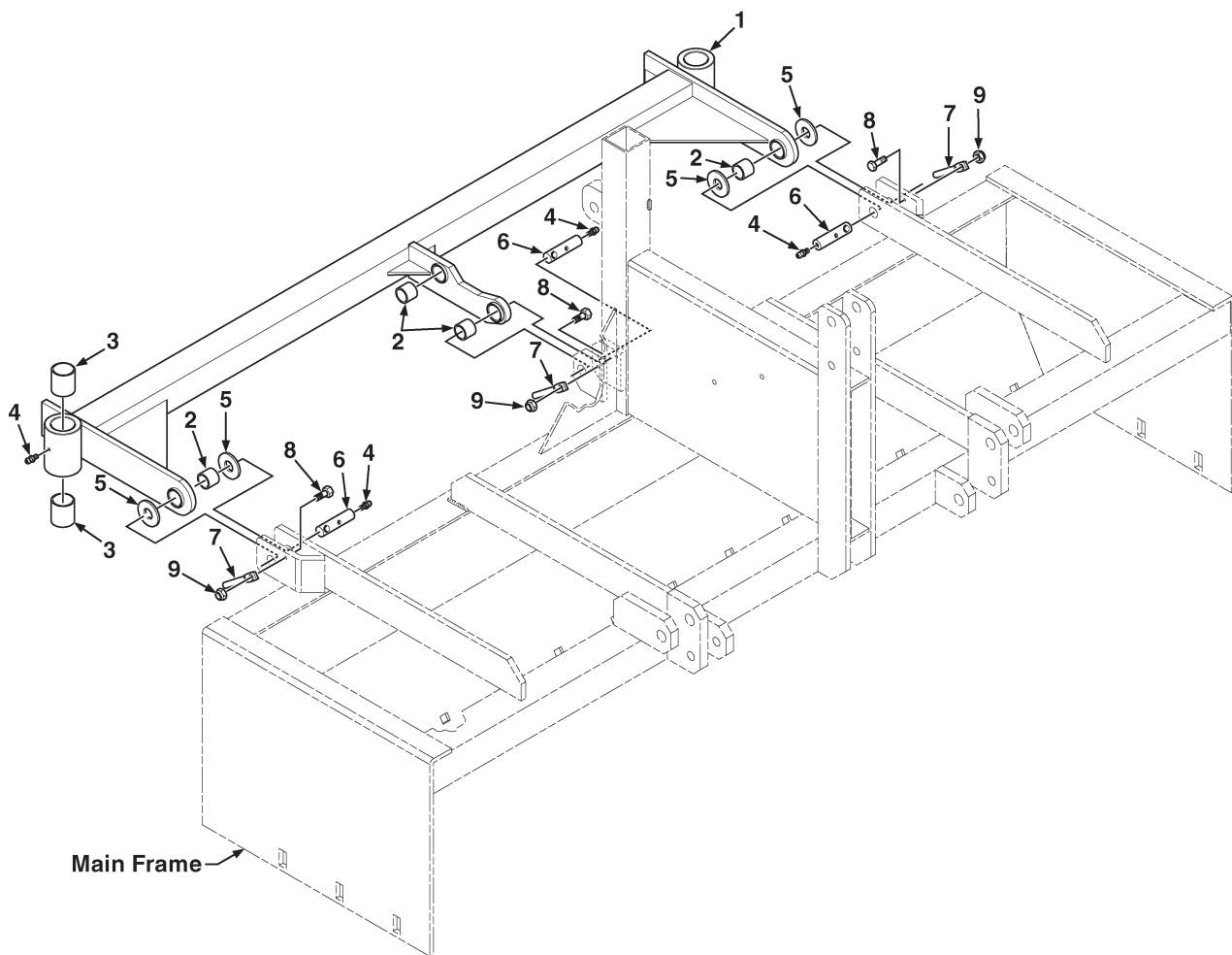
Figure 2. Wheel Frame and Related Parts - B Series

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Item	Part No.	Qty	Description
1	315-501-000	1	Frame, Wheel, Tractor, Single, 5'
	315-508-000	1	Frame, Wheel, Tractor, Single, 6'
	315-509-000	1	Frame, Wheel, Tractor, Single, 7' & 8'
			Includes Items 2 & 3
2	000-176-174	AR	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
3	000-176-171	4	Bushing, Wheel Frame, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	000-155-003	4	Washer, Flat, 1-1/2" OD x 1" ID x 14 Gauge Thick
5	000-161-065	AR	Pin, Pivot, 1" Dia. x 3-1/4" Long
6	000-161-024	AR	Pin, Retainer, 3/8" Dia. x 3-1/4" Long
7	LP	AR	Bolt, Hex Head, 5/16"-18UNC x 1-1/4" Long
8	LP	AR	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. Wheel Frame and Related Parts - A Series



Laser Grading Box PARTS LIST



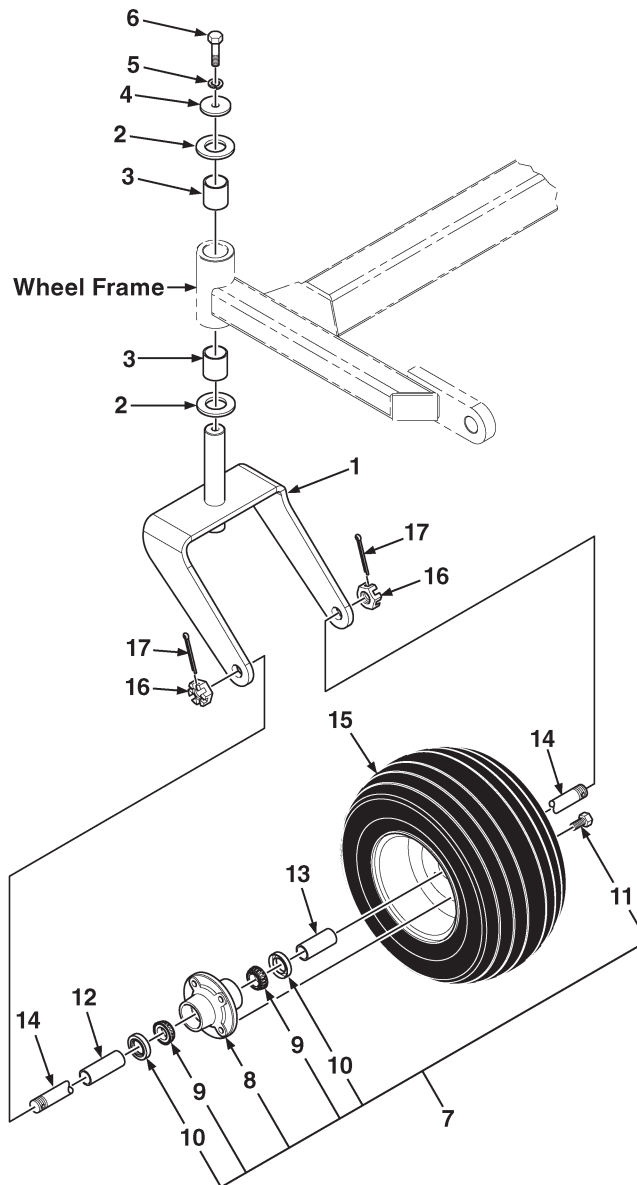
Figure 3. Wheel Frame and Related Parts - A Series

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Item	Part No.	Qty	Description
1	315-506-000	1	Frame, Wheel, Tractor, Single, 6'
	315-507-000	1	Frame, Wheel, Tractor, Single, 7' & 8'
			Includes Items 2 & 3
2	000-176-174	4	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
3	000-176-171	4	Bushing, Wheel Frame, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	LP	AR	Fitting, Lube, Drive, 3/16"
5	000-155-003	4	Washer, Flat, 1-1/2" OD x 1" ID x 14 Gauge Thick
6	000-161-065	AR	Pin, Pivot, 1" Dia. x 3-1/4" Long
7	000-161-024	AR	Pin, Retainer, 3/8" Dia. x 3-1/4" Long
8	LP	AR	Bolt, Hex Head, 5/16"-18UNC x 1-1/4" Long
9	LP	AR	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 4. Caster Fork and Wheel - ASN 1109



Laser Grading Box PARTS LIST



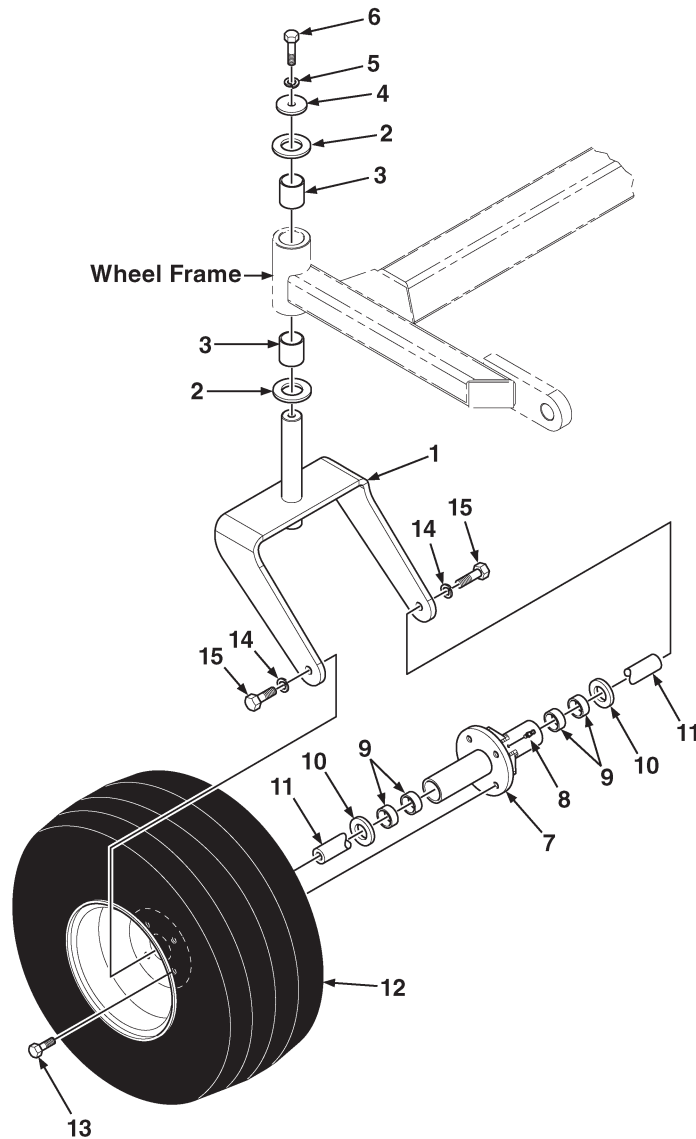
Figure . Caster Fork and Wheel - ASN 1109

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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	Hub Assembly, Includes Items 8 thru 11
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	315-598-000	2	Spacer, Wheel Bearing, Long
13	315-597-000	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 5. Caster Fork and Wheel - BSN 1110 - ASN 1109



Laser Grading Box PARTS LIST



Figure 5. Caster Fork and Wheel - BSN 1110 - ASN 1109

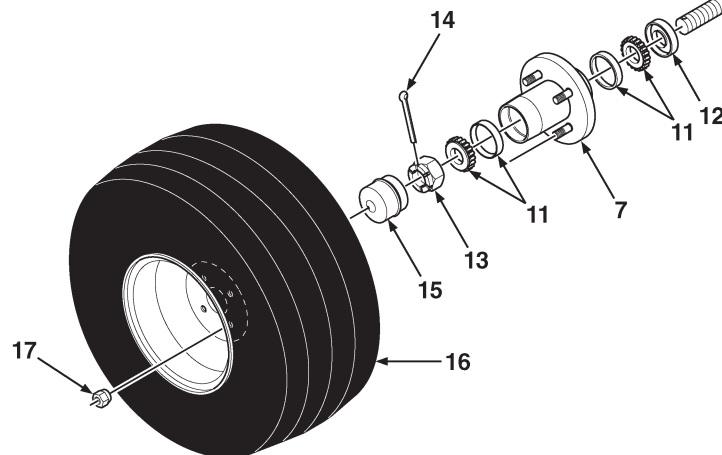
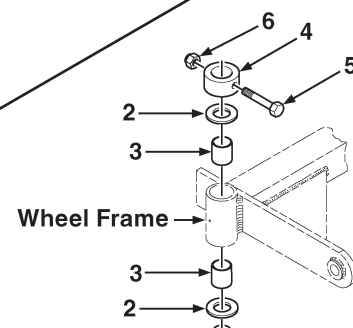
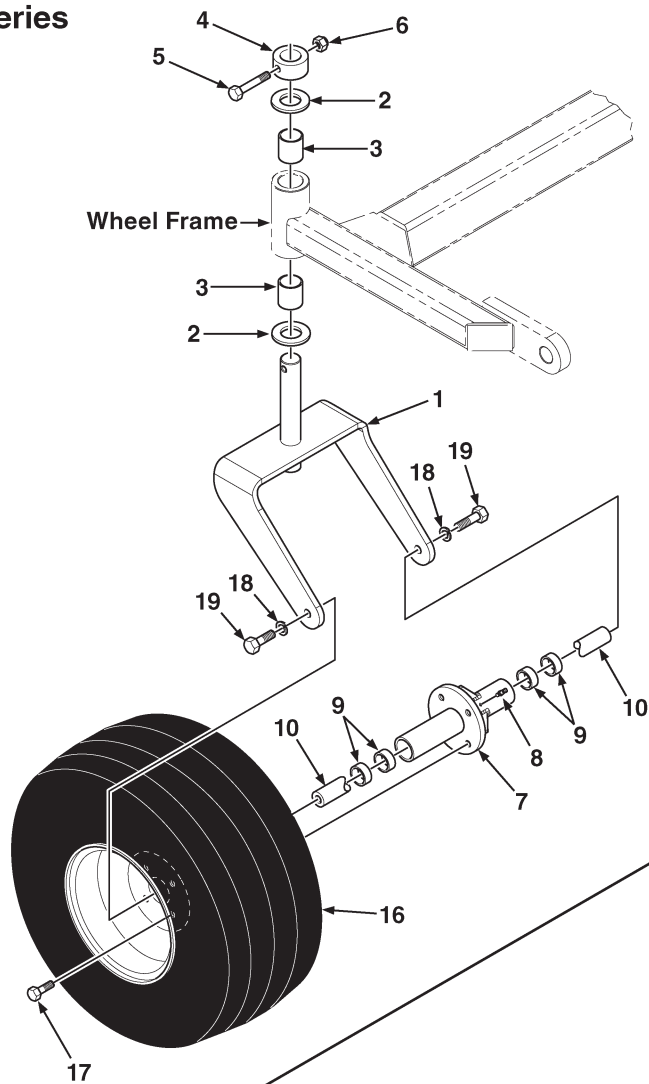
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Item	Part No.	Qty	Description
1	315-546-000	2	Fork, Caster
2	000-155-002	4	Washer, Flat, 2-1/4" OD x 1-1/2" ID x 10 Gauge Thick
3	000-176-171	4	Bushing, Wheel Caster, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	000-155-004	2	Washer, Flat, 2-1/4" OD x 17/32" 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	200-245-000	2	Hub, Wheel
8	LP	2	Fitting, Lube, Drive, 3/16" x 45°
9	000-176-172	8	Bushing, Wheel Hub, 1-1/2" OD x 1-1/4" ID x 1" Long
10	000-155-001	2	Washer, Flat, 2-1/4" x 1-1/4" ID x 10 Gauge Thick
11	200-249-000	2	Axle
12	001-001-057	2	Wheel/Tire, Foam Filled, 22 PSI
13	000-150-218	8	Bolt, Lug, Hex Head, 1/2"-20UNF x 1-1/4" OAL
14	LP	4	Washer, Lock, 5/8"
15	LP	4	Bolt, Hex Head, 5/8"-11UNC x 1-1/2" 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 6. Caster Fork and Wheel - ASN 1054

B-Series



A-Series

Laser Grading Box PARTS LIST



Figure 6. Caster Fork and Wheel - ASN 1054

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Item	Part No.	Qty	Description
1	200-244-000	2	Fork, Caster, B-Series
	315-510-000	1	Spindle, Right Side (Shown), A-Series
	315-511-000	1	Spindle, Left Side (Not Shown), A-Series
2	000-155-002	4	Washer, Flat, 2-1/4" OD x 1-1/2" ID x 10 Gauge
3	000-176-171	4	Bushing, Wheel Caster, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	200-248-000	2	Collar, Set, 2-1/4" OD x 1-1/2" ID x 3/4" Wide
5	LP	2	Bolt, Hex Head, 3/8"-16UNC x 2-3/4" Long
6	LP	2	Nut, Hex, Nylon Lock, 3/8"-16UNC
7	200-245-000	2	Hub, Wheel, B-Series
	001-001-069	2	Hub, Wheel, A-Series
8	LP	2	Fitting, Lube, Drive, 3/16" x 45°, B-Series
9	000-176-172	8	Bushing, Wheel Hub, 1-1/2" OD x 1-1/4" ID x 1" Long, B-Series
10	200-249-000	2	Axle, B-Series
11	NSS	4	Bearing, A-Series
12	NSS	2	Seal, A-Series
13	000-158-193	2	Nut, Castle, 1"-14UNF, A-Series
14	LP	2	Pin, Cotter, 1/8" Dia. x 2" Long, A-Series
15	NSS	2	Cap, Dust, A-Series
16	001-001-057	2	Wheel/Tire, Foam Filled, 22 PSI
17	000-150-218	8	Bolt, Lug, Hex Head, 1/2"-20UNF x 1-1/4" OAL, B-Series
	LP	8	Nut, Lug, Hex, 1/2"-20UNF, A-Series
18	LP	4	Washer, Lock, 5/8", B-Series
19	LP	4	Bolt, Hex Head, 5/8"-11UNC x 1-1/2" Long, B-Series
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			



Figure 7. Hydraulics Cylinder Only



Laser Grading Box PARTS LIST



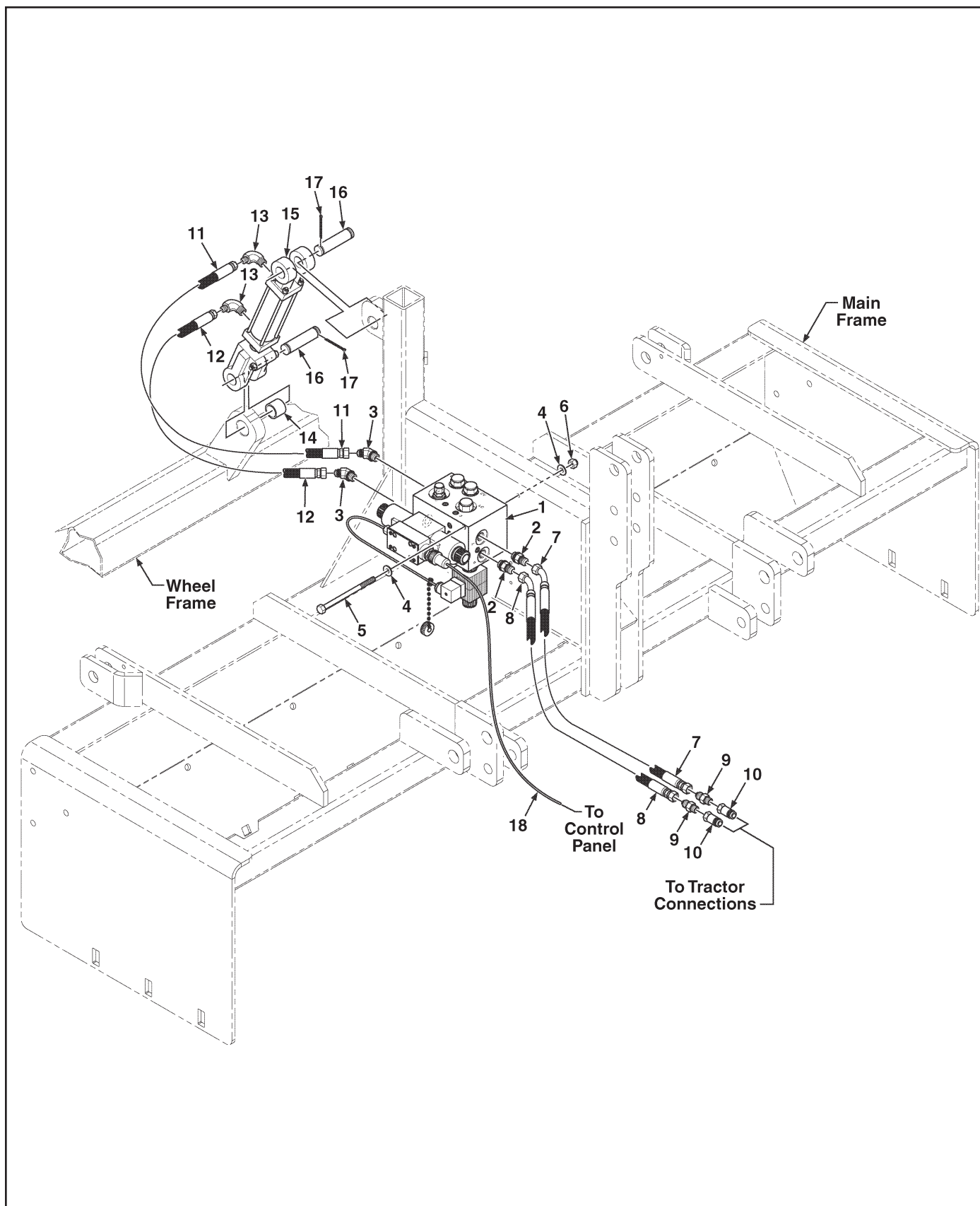
Figure 7. Hydraulics Cylinder Only

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Item	Part No.	Qty	Description
1	000-166-181	1	Cylinder, Hydraulic, 3" Bore x 6" Stroke, See Breakdown Figure 9, 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	1	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
5	000-166-417	1	Elbow, 90°, 6MJ x 8MB
6	000-166-488	1	Elbow, 90°, 6MJ x 8MB, With Orifice
7	000-166-453	2	Hose, 1/2" Dia. x 90" Long x 6FJX x 8FJX, 3,000 PSI
8	000-166-168	2	Adapter, Straight, 8MJ x 8MP
9	000-166-210	2	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 8. Hydraulics With Optional Valve Assembly



Laser Grading Box PARTS LIST



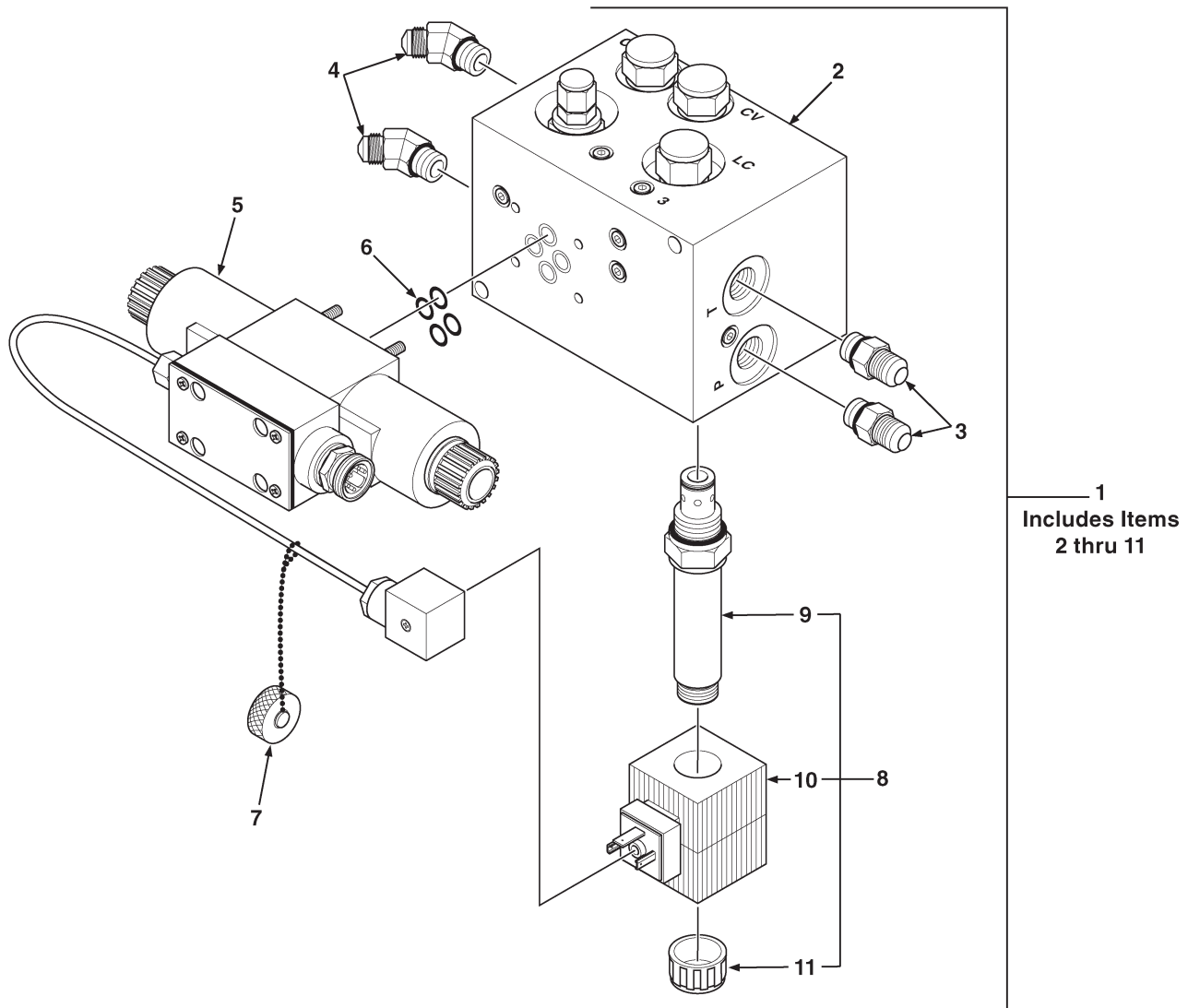
Figure 8. Hydraulics With Optional Valve Assembly

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Item	Part No.	Qty	Description
1	000-166-174	1	Valve Assembly, Hydraulic, Includes Items 2 & 3, See Breakdown Figure 9
2	000-166-170	2	Adapter, Straight, 8MJ x 8MB
3	000-166-175	2	Elbow, 45°, 6MJ x 6MB
4	LP	4	Washer, Flat, 5/16", SAE
5	LP	2	Bolt, Hex Head, 5/16"-18UNC x 5" Long
6	LP	2	Nut, Hex, Nylon Lock, 5/16"-18UNC
7	000-166-186	1	Hose, 1/2" Dia. x 52" Long x 8FJX x 8FJX45, 3,000 PSI
8	000-166-186	1	Hose, 1/2" Dia. x 52" Long x 8FJX x 8FJX45, 3,000 PSI
9	000-166-168	2	Adapter, Straight, 8MJ x 8MP
10	000-166-210	2	Coupler, Quick Disconnect, Ag, Male, 1/2"
11	000-166-418	1	Hose, 3/8" Dia. x 28" Long x 6FJX x 6FJX, 3,000 PSI, ASN-1259
	000-166-185	1	Hose, 3/8" Dia. x 28" Long x 6FJX x 8FJX90, 3,000 PSI, BSN-1260
12	000-166-418	1	Hose, 3/8" Dia. x 28" Long x 6FJX x 6FJX, 3,000 PSI, ASN-1259
	000-166-185	1	Hose, 3/8" Dia. x 28" Long x 6FJX x 8FJX90, 3,000 PSI, BSN-1260
13	000-166-417	1	Elbow, 90°, 6MJ x 8MB, ASN-1259
	000-166-170	2	Adapter, Straight, 8MJ x 8MB, (for 3" Bore x 6" Stroke), BSN-1260
	000-166-204	2	Adapter, Straight, 8MJ x 6MP, (for 3" Bore x 4" Stroke)
14	000-166-417	2	Bushing, Wheel Frame, 1-1/4" OD x 1" ID x 1" Long
15	000-166-181	1	Cylinder, Hydraulic, 3" Bore x 6" Stroke, Includes Items 16 & 17 ASN, 6 ft. Box -B-00001, 7 ft. Box -B-17062, 8 ft. Box -B-18011
	LP	1	Cylinder, Hydraulic, 3" Bore x 4" Stroke, Includes Items 16 & 17 BSN, 6 ft. Box-B-16002, 7 ft. Box -B-17063, 8 ft. Box -B-18012
16	000-161-068	2	Pin, Cylinder, 1" Dia. x 3-3/8" Long
17	LP	4	Pin, Cotter, 3/16" Dia. x 1-3/4" Long
18	000-200-016	1	Cable, Solenoid, 5-Wire, Quick Disconnect, 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 9. Hydraulic Valve Assembly



Laser Grading Box PARTS LIST



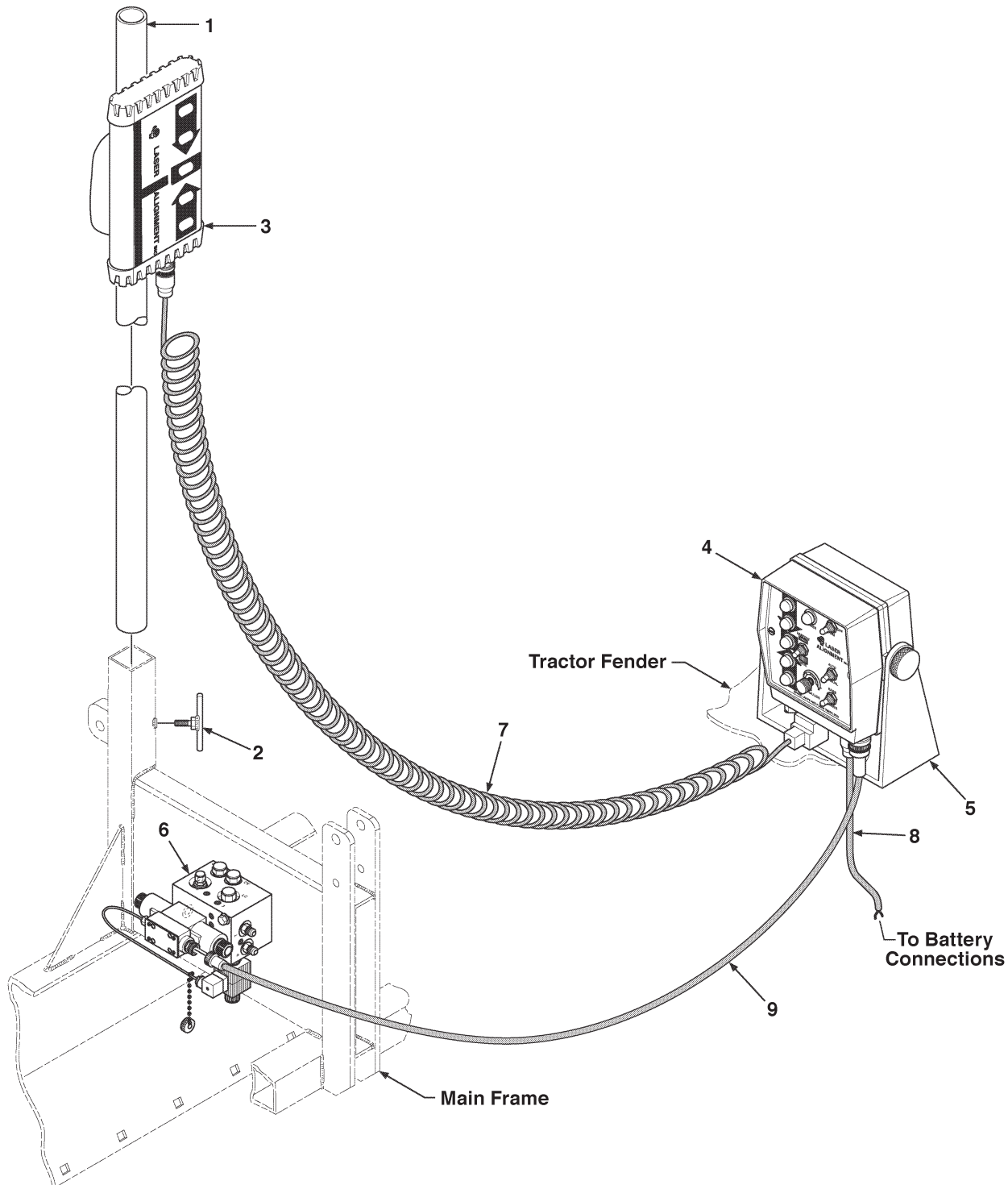
Figure 9. Hydraulic Valve Assembly

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Item	Part No.	Qty	Description
1	000-166-174	1	Hydraulic Valve Assembly, Single, Includes Items 2 thru 11
2	NSS	1	Manifold Block, Single
3	000-166-170	2	Adapter, Straight, 8MJ x 8MB
4	000-166-175	2	Elbow, 45°, 6MJ x 6MB
5	000-166-208	1	Valve, Directional, Includes Item 6
6	LP	4	O-Ring, Directional Valve
7	001-001-060	1	Cap, Quick Disconnect, with Chain
8	000-166-196	1	Valve, Solenoid, 2-Speed, Includes Items 9 thru 11
9	NSS	1	Spool
10	NSS	1	Solenoid
11	NSS	1	Nut, Cap
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



Laser Grading Box PARTS LIST



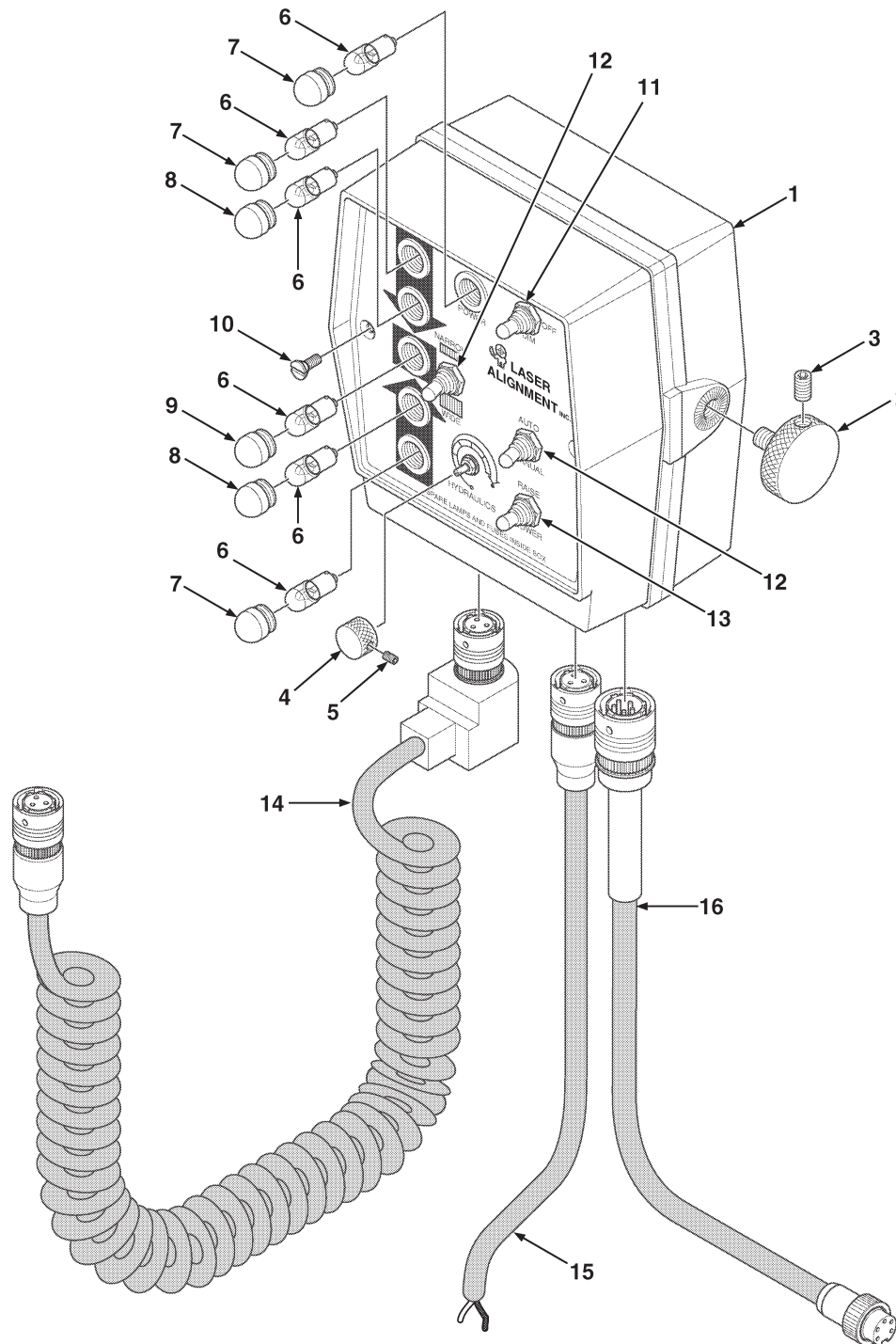
Figure 10. Laser Controls and Related Parts

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	001-001-052	1	Pole, Mast
2	001-001-053	1	Handle, Tee
3	000-200-012	1	Receiver, Laser, 360°
4	000-200-013	1	Panel, Control, Single, 5 Light, See Breakdown Figure 11
5	001-001-041	1	Bracket, Mounting, Control Panel, Single
6	000-166-174	1	Valve Assembly, Hydraulic
7	000-200-007	1	Cable, Receiver, Coiled, 3-Wire, 15' Long
8	000-200-006	1	Cable, Power, 2-Wire, 20' Long
9	000-200-016	1	Cable, Solenoid, 5-Wire, Quick Disconnect, 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. Control Panel, Receiver, Cables and Related Parts



Laser Grading Box PARTS LIST



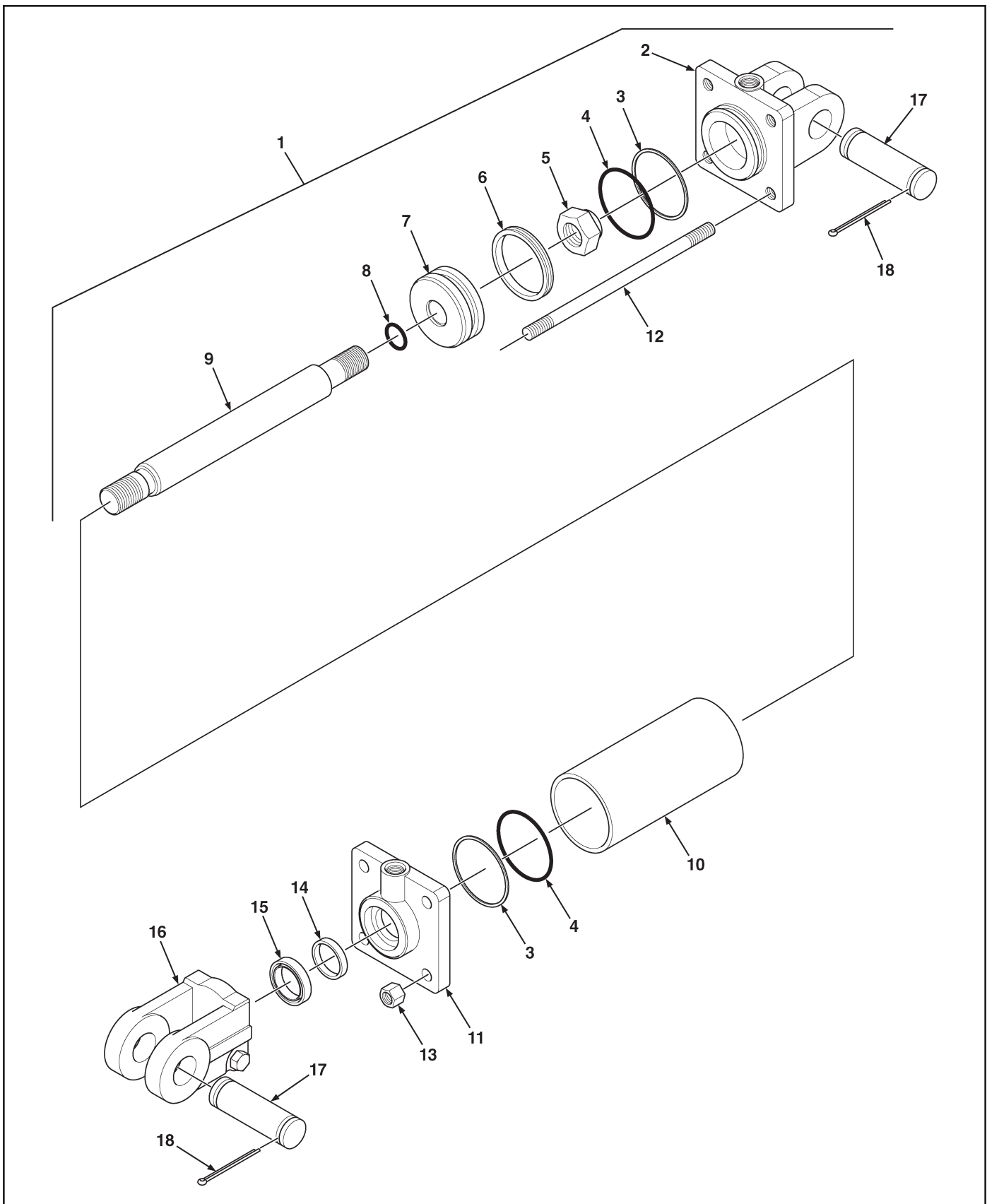
Figure 11. Control Panel, Receiver, Cables and Related Parts

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	000-200-013	1	Panel, Control, Single, Includes Items 2 thru 13
2	000-200-030	2	Knob, Mounting Bracket, Includes Item 3
3	NSS	2	Screw, Set
4	000-200-034	1	Knob, Hydraulic Control, Includes Item 5
5	NSS	1	Screw, Set, #4-40UNC x 3/16" Long
6	000-200-028	6	Lamp, Control Panel, 14 Volt, #1893
7	000-200-026	3	Lens, Cover, Light, Red
8	000-200-025	2	Lens, Cover, Light, Amber
9	000-200-024	1	Lens, Cover, Light, Green
10	000-150-028	2	Screw, Flat Head, #8-32UNC x 5/16" Long
11	000-200-031	1	Switch, Toggle, On/Off/Dim
12	000-200-032	2	Switch, Toggle, A/B
13	000-200-033	1	Switch, Toggle, Momentary, Center Return
14	000-200-007	1	Cable, Receiver, Coiled, 3-Wire, 15' Long
15	000-200-006	1	Cable, Power, 2-Wire, 20' Long
16	000-200-016	1	Cable, Solenoid, 5-Wire, Quick Disconnect, 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. Cylinder Assembly, 3" Bore x 6" Stroke



Laser Grading Box PARTS LIST



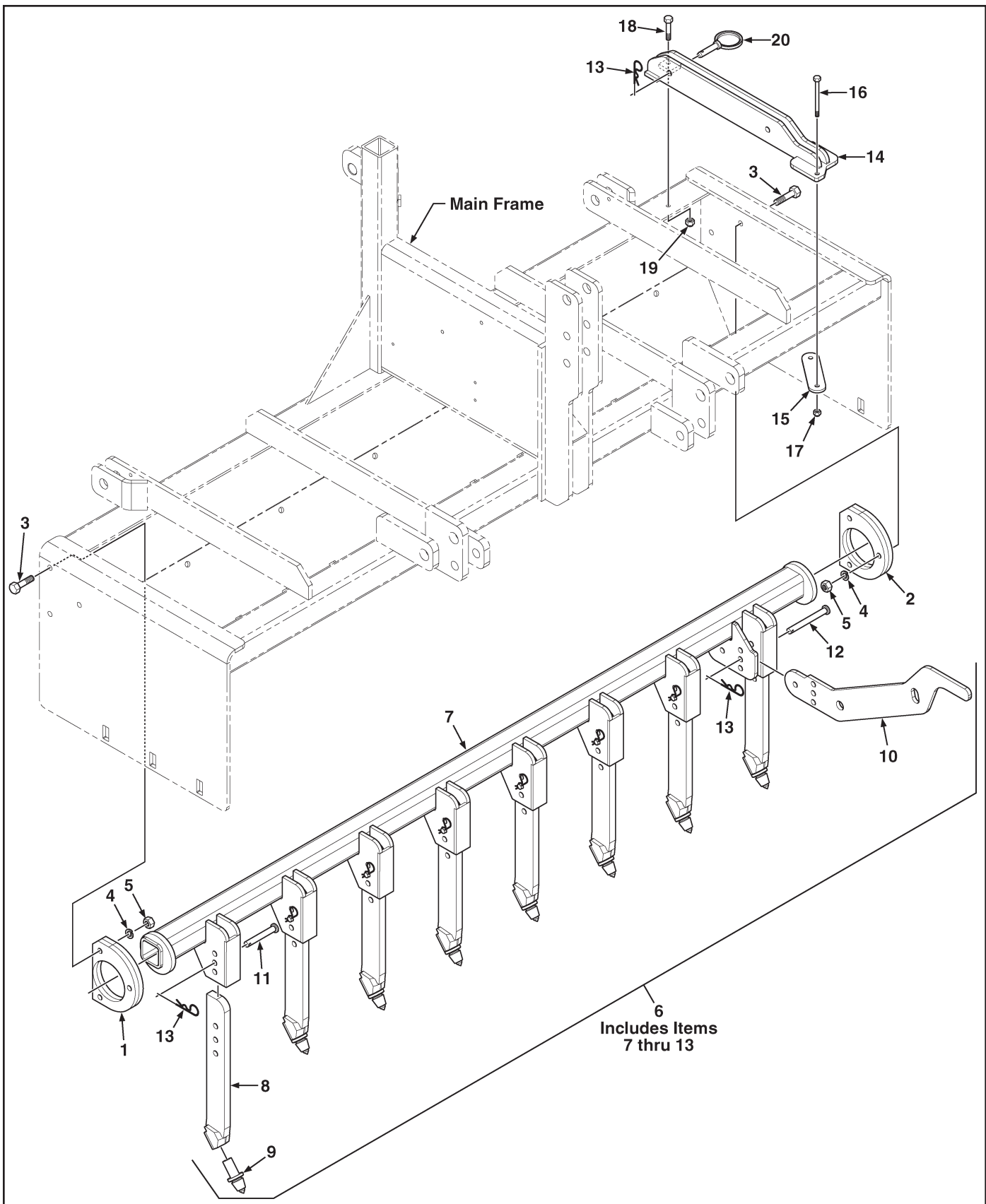
Figure 12. Cylinder Assembly, 3" Bore x 6" Stroke

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 13. Scarifier Assembly (Optional)



Laser Grading Box PARTS LIST



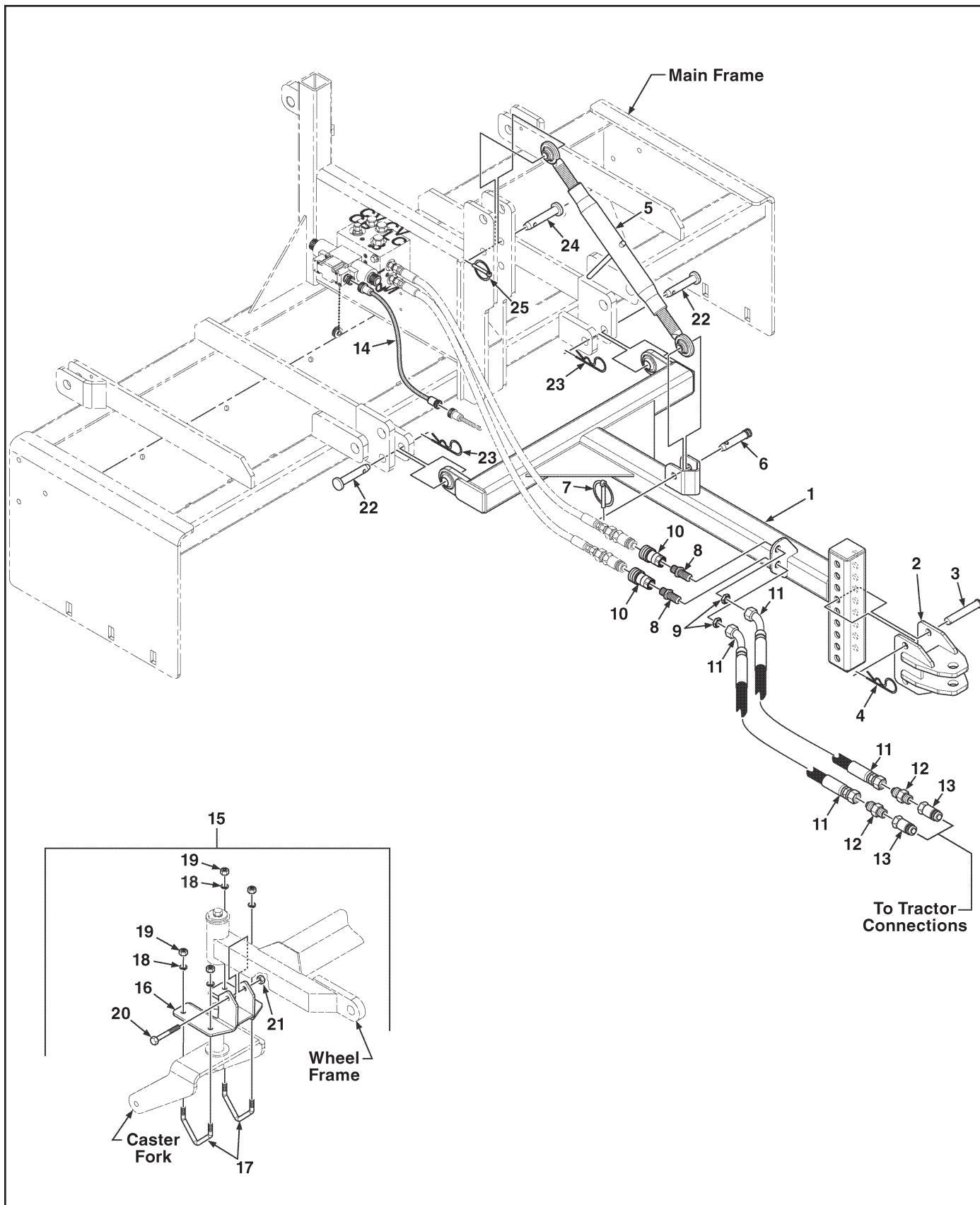
Figure 13. Scarifier Assembly (Optional)

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 14. Drawbar Kit, with Wheel Locks (Optional)



Laser Grading Box PARTS LIST



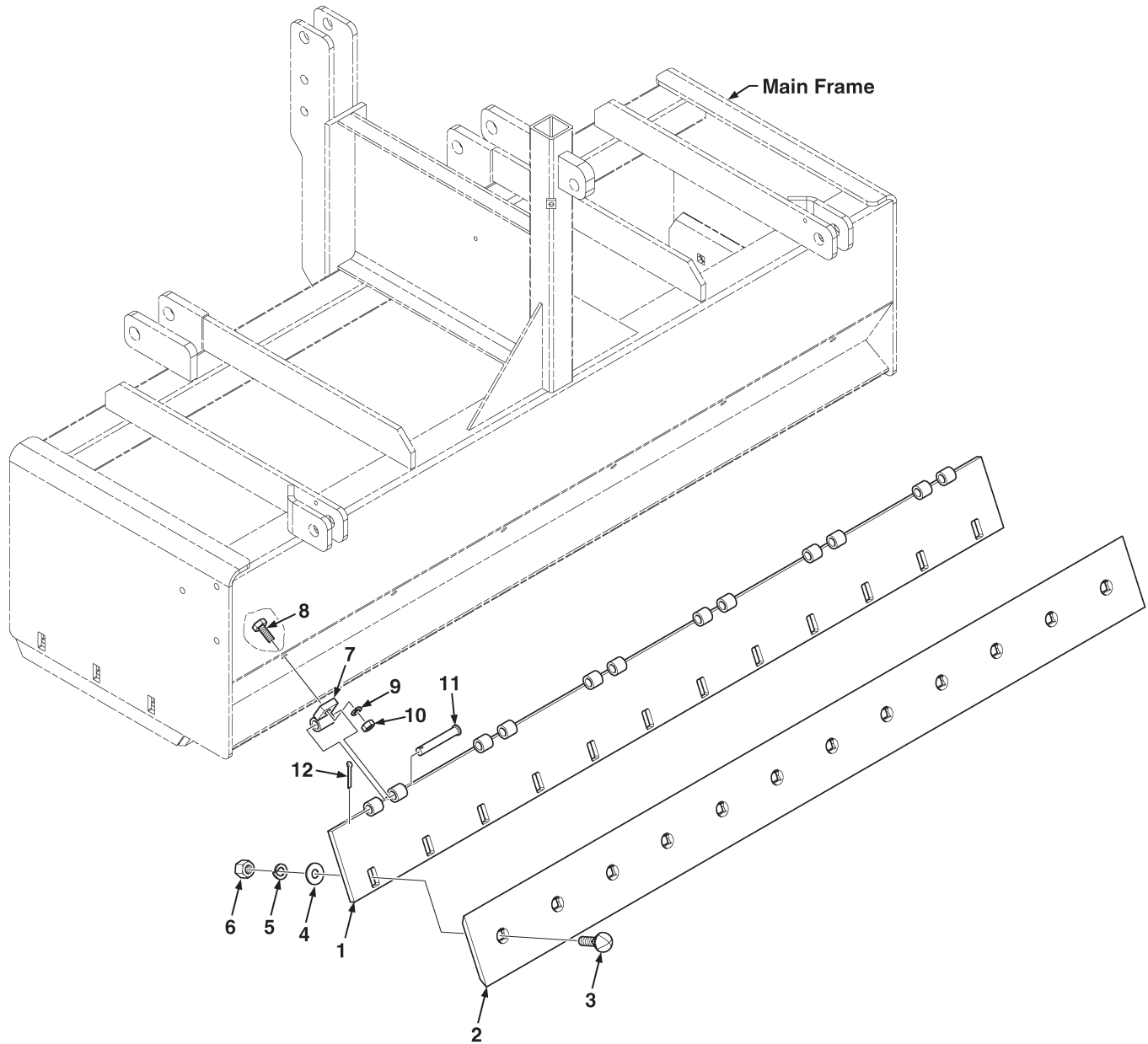
Figure 14. Drawbar Kit, with Wheel Locks (Optional)

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
	315-547-000	1	Kit, Drawbar, Category I, Includes Items 1 thru 21
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, .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	1	Cable, Extension, Solenoid, 3' Long
15	315-544-000	2	Kit, Wheel Lock, Includes Items 10 thru 15
16	315-545-000	1	Wheel Lock Weldment
17	000-161-082	2	Bolt, V
18	LP	4	Washer, Lock, 1/2"
19	LP	4	Nut, Hex, 1/2"-13UNC
20	LP	1	Bolt, Hex Head, 1/2"-13UNC x 4" Long
21	LP	1	Nut, Hex, Nylon Lock, 1/2"-13UNC
22	000-161-076	2	Pin, Hitch, 7/8" Dia. x 5-1/4" Long, Category I
23	000-161-019	2	Pin, Hair, Cotter, 3/16" Dia. x 3-3/4" Long
24	000-161-081	1	Pin, Top Link, 3/4" Dia. x 5-1/2" Long, Category I
25	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 15. Back Blade Assembly - Hinged (Optional)



Laser Grading Box PARTS LIST



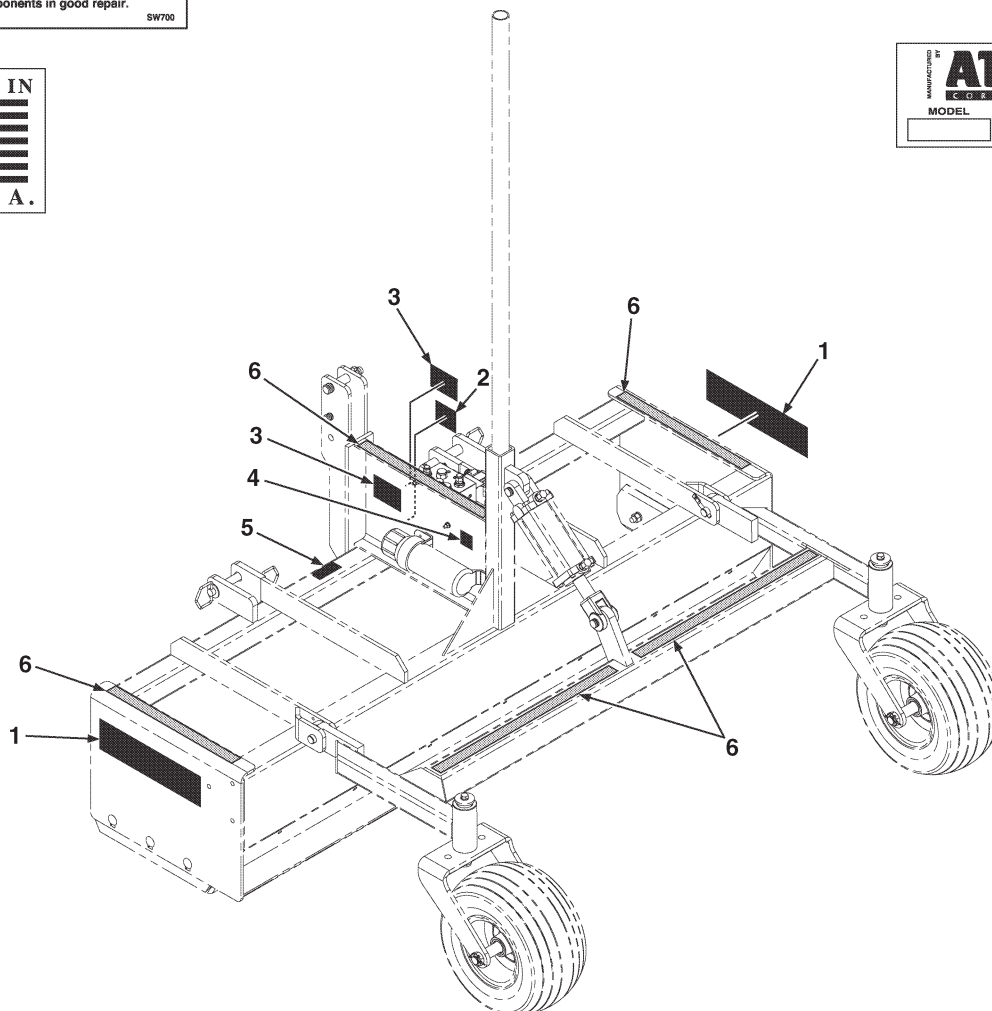
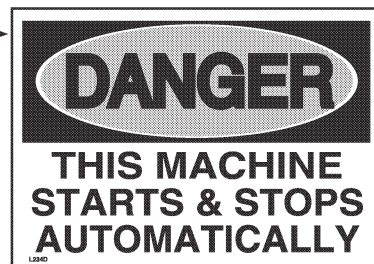
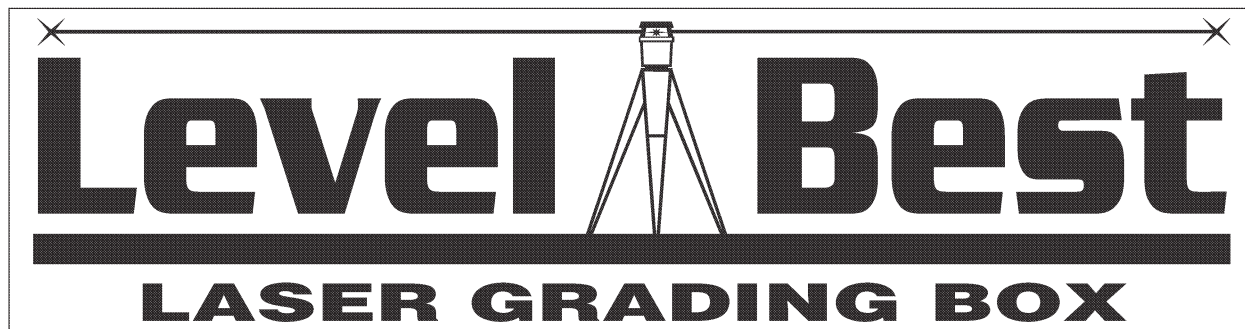
Figure 15. Back Blade Assembly - Hinged (Optional)

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

Item	Part No.	Qty	Description
1	000-190-131	1	Back Blade Assembly, 60" Long, Includes Items 1 thru 12
	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
	315-562-000	1	Bracket, Mounting, Rear, Hinged, 60" Long
	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	000-190-128	1	Edge, Cutting, DBF, 60" Long
	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 16. Decals



Laser Grading Box PARTS LIST



Figure 16. Decals

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	000-186-045	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	2	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			