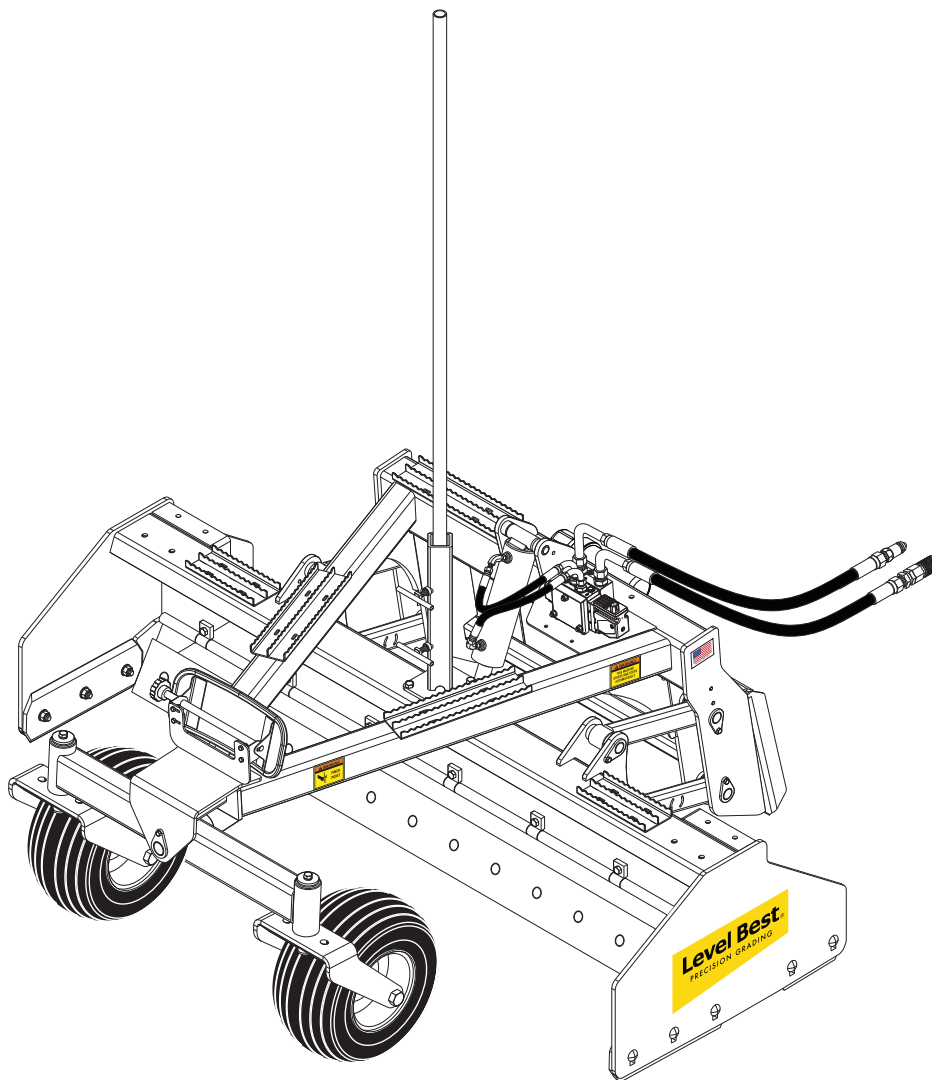


PARTS MANUAL

PS - SERIES PARA-LEVEL SINGLE



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

APRIL 2018
CAT.# PS-PM-G 04/16/18

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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, PARA-LEVEL GRADING BOX DESCRIBED HEREIN, FOR THEIR INTENDED APPLICATIONS.



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Para-Level Grading Box PARTS LIST

Notes

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Para-Level Grading Box PARTS LIST

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WARRANTY

This Level-Best Grading System is designed and manufactured to high standards. ATI Corporation, therefore, guarantees this Level-Best product to be free from defect in workmanship and materials for three (3) years from purchase date. If the machine is to be used for rental purposes the warranty is limited to ninety (90) days.

Components supplied by outside vendors (e.g. cylinders, hydraulic valves and components, electronic modules, and machine control technology systems) are warranted separately by their respective manufacturers. The warranty periods of these components are generally one (1) year from date of purchase.

Neither Level-Best nor hydraulic component manufacturers will cover normal wear or failure due to hydraulic oil contamination from the power source. ALWAYS start with clean oil and filters prior to installation and operation.

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

All warranty work must be performed by an authorized Level-Best dealer and authorized by ATI Corporation. All Level-Best parts suspected of failure must be returned to ATI Corporation for warranty analysis prior to any credit being issued.

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 Para-Level Grading Box in the space provided below in case the plate on your Para-Level 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.

Para-Level 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.



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Notes

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Para-Level Grading Box PARTS LIST

List Of Parts Illustrations



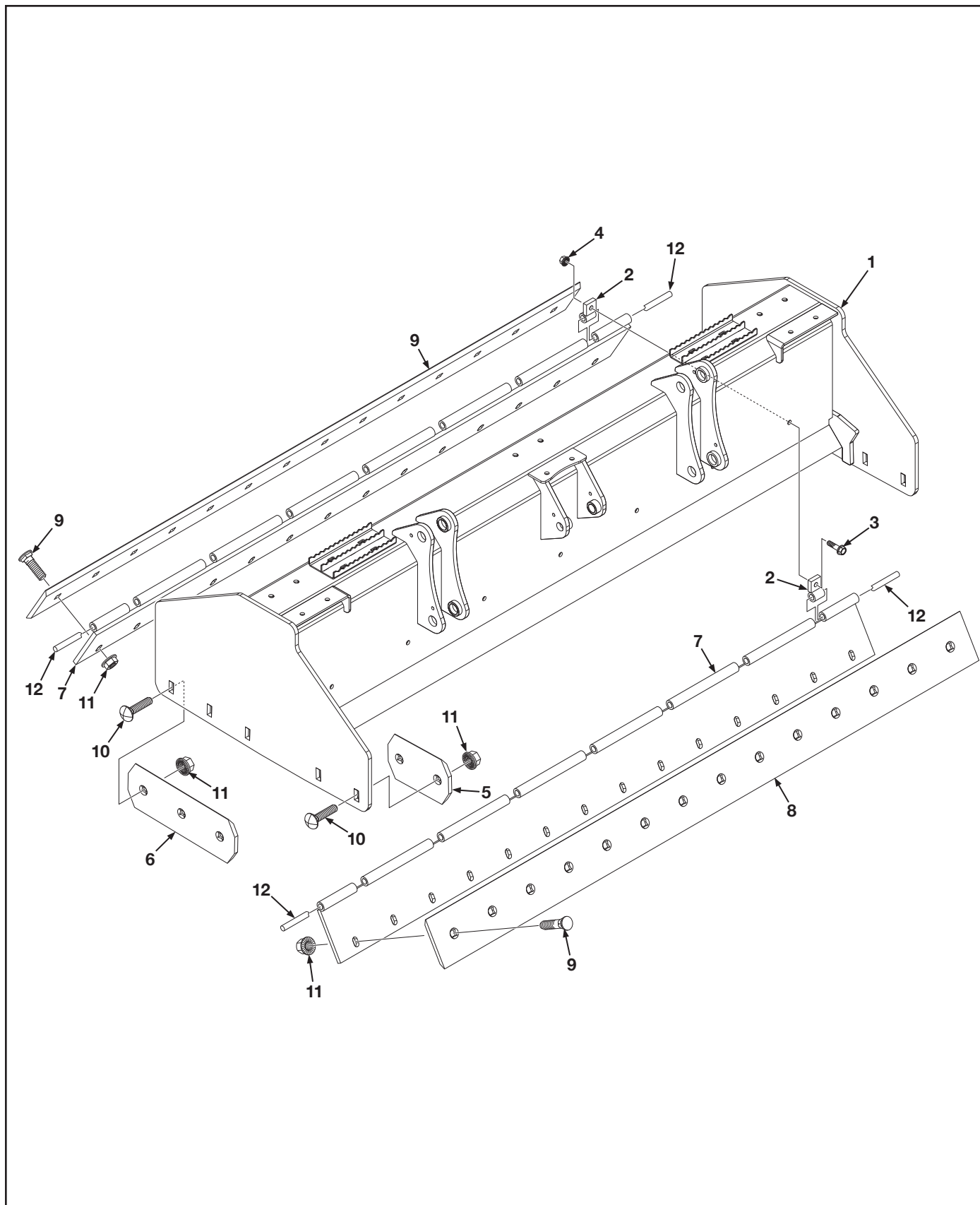
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Figure 1. Main Frame and Cutting Edges

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Figure 1. Main Frame and Cutting Edges

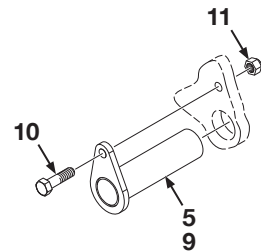
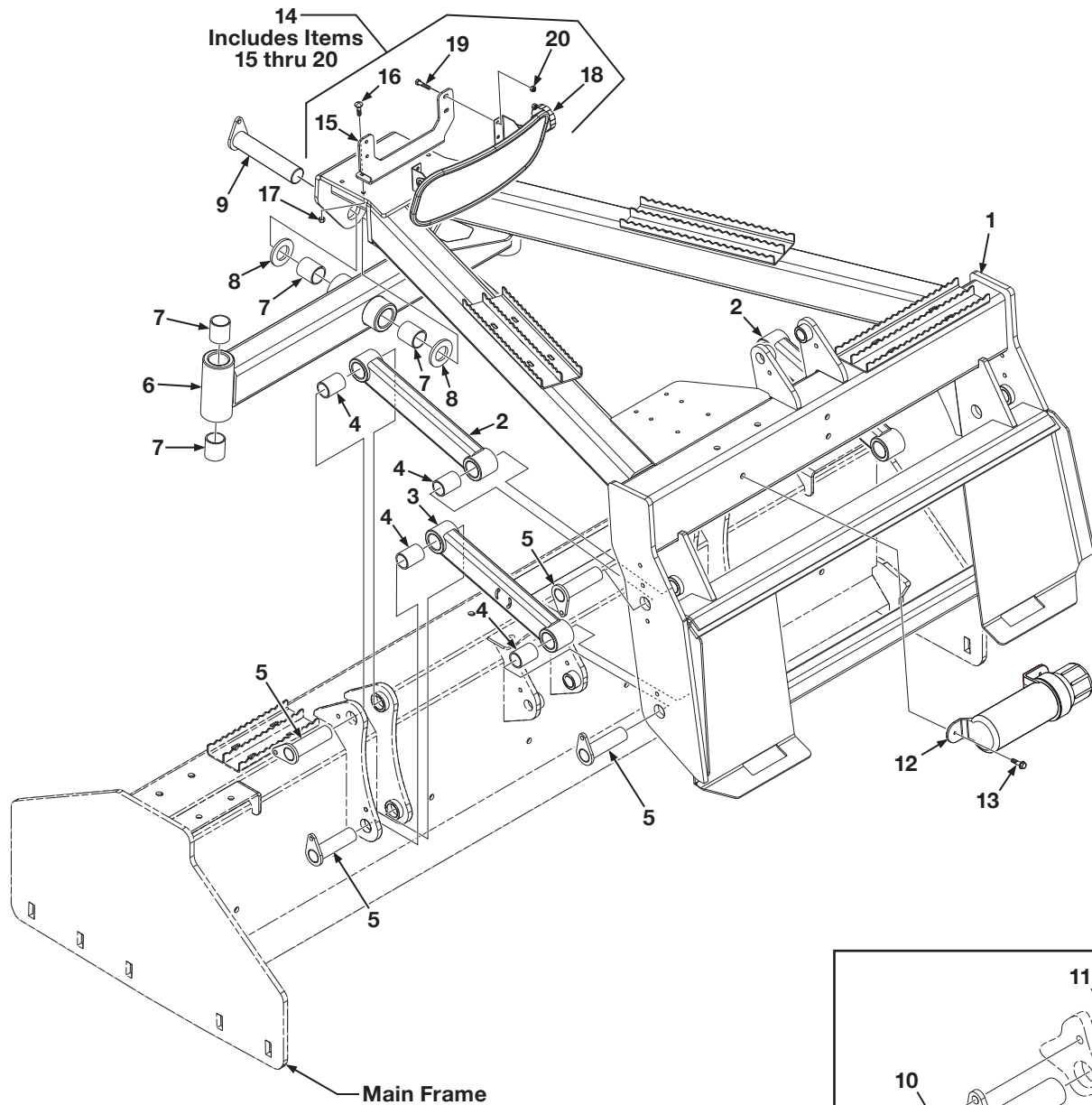
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Item	Part No.	Qty	Description
1	315-101-100	1	Frame, Main 6'
	315-102-100	1	Frame, Main 7'
	315-103-100	1	Frame, Main 8'
2	315-561-010	14	Hinge, Back Plate, 6' & 7'
	315-561-010	18	Hinge, Back Plate, 8'
3	000-150-376	AR	Bolt, Flange Head, 1/2"-13UNC x 2" Long
4	000-158-111	AR	Nut, Serrated Flange, 1/2"-13UNC
5	000-190-150	2	Edge, Cutting, End, DBF, 9-1/2" Long
6	000-190-149	2	Edge, Cutting, End, DBF, 16-3/4" Long
7	315-563-100	2	Mount Assembly, Blade 6'
	315-564-100	2	Mount Assembly, Blade 7'
	315-565-100	2	Mount Assembly, Blade 8'
8	000-190-075	2	Edge, Cutting, DBF, 72" Long
	000-190-077	2	Edge, Cutting, DBF, 84" Long
	000-190-079	2	Edge, Cutting, DBF, 96" Long
9	000-150-258	AR	Bolt, Plow, 5/8"-11UNC x 1-3/4" Long
10	000-150-253	10	Bolt, Carriage, 5/8"-11UNC x 1-3/4" Long
11	000-158-142	AR	Nut, Serrated Flange, 5/8"-11UNC
12	000-161-127	2	Pin, Hinge, 6'
	000-161-128	2	Pin, Hinge, 7'
	000-161-129	2	Pin, Hinge, 8'
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

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Figure 2. Attachment Frame and Related Parts

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Typical Pivot and Link Pins Installation

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Figure 2. Attachment Frame and Related Parts

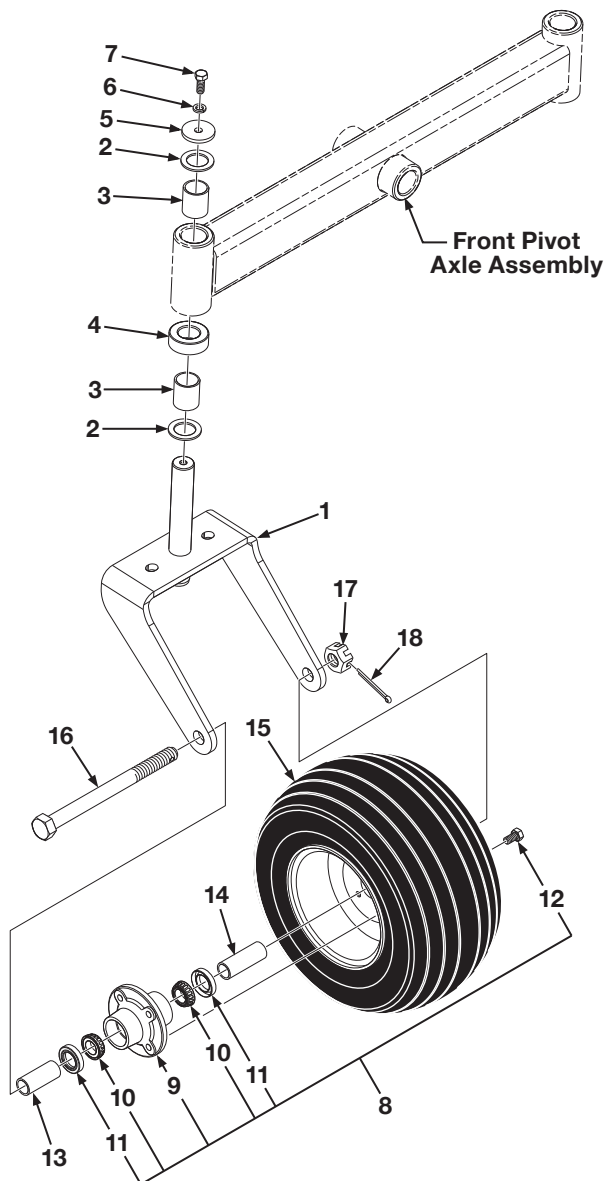
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Item	Part No.	Qty	Description
1	315-145-000	1	Frame, Attachment
2	315-621-100	2	Link, Lift, Box, Includes Item 7
3	315-621-000	1	Link, Lift, Torsion, Box, Includes Item 7
4	000-176-183	8	Bushing, Link, 1-1/2" OD x 1-1/4" ID x 2" Long
5	000-161-165	8	Pin, Link, 1-1/4" Dia x 4-5/8" Long
6	315-568-000	1	Axle Assembly, Front, Includes Item 10
7	000-176-171	6	Bushing, Wheel Frame, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
8	000-155-002	2	Bushing, Washer, Flat, 2-1/4" OD x 1-1/2" ID x 10 Gauge Thick
9	000-161-166	1	Pin, Pivot, 1-1/2" Dia. x 7-3/4" Long
10	000-150-082	9	Bolt, Hex Head, 5/16"-18UNC x 1-1/4" Long
11	000-158-066	9	Nut, Hex, Nylon Lock, 5/16"-18UNC
12	001-001-083	1	Canister, Operators Manual
13	000-150-074	3	Bolt, Serrated Flange, 5/16"-18UNC x 3/4" Long
14	001-001-141	1	Kit, Mirror & Bracket, Includes Items 15 thru 20
15	001-001-140	1	Bracket, Mounting
16	000-150-372	2	Bolt, Carriage, 5/16"-18UNC x 1" Long
17	000-158-006	2	Nut, Hex, Nylon Lock, 5/16"-18UNC
18	001-001-097	1	Mirror
19	000-150-048	4	Bolt, Hex Head, 1/4"-20UNC x 3/4" Long
20	000-158-050	4	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			

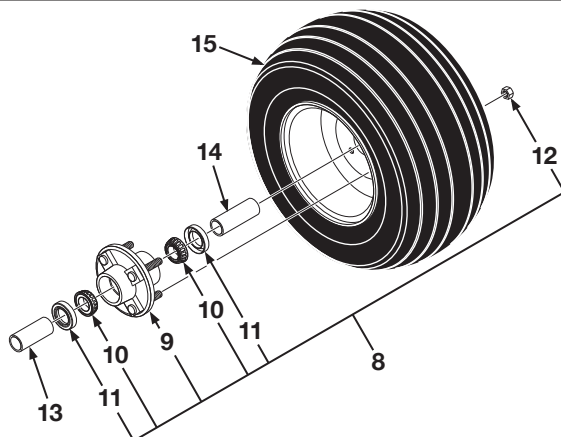
Para-Level Grading Box PARTS LIST

Figure 3. Caster Fork and Wheel

Standard-Height Machines



Alternate Hub Assembly



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Figure 3. Caster Fork and Wheel

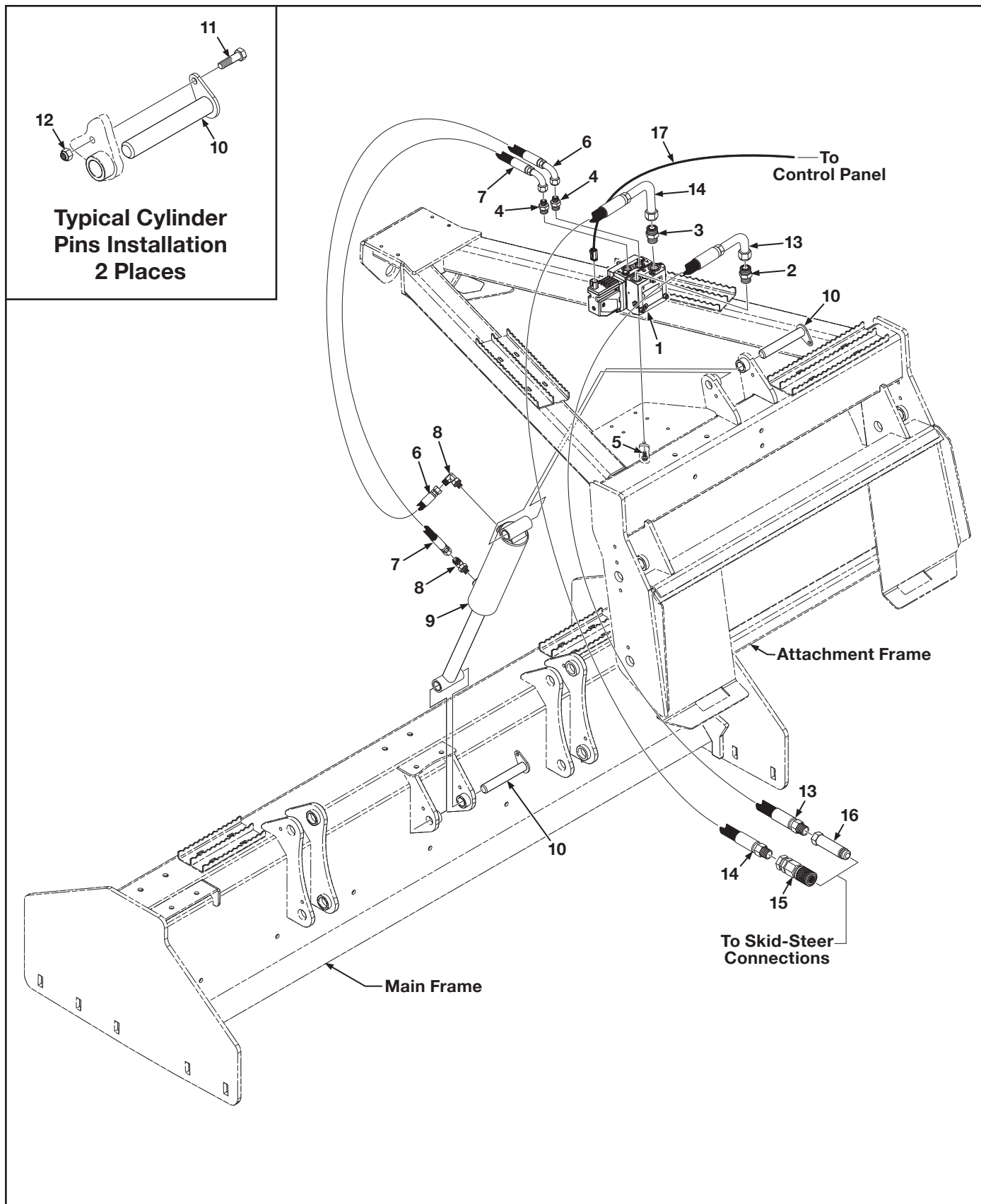
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Item	Part No.	Qty	Description
1	315-548-010	2	Fork, Caster, Extended
2	000-155-002	4	Washer, Flat, 2-1/4" OD x 1-1/2" ID x 10 Gauge Thick
3	000-176-171	4	Bushing, Wheel Frame, 1-3/4" OD x 1-1/2" ID x 1-1/2" Long
4	315-568-056	2	Spacer, Caster, 2-3/4" OD x 1-1/2" ID x 1" Thick
5	000-155-004	2	Washer, Flat, 2-1/4" OD x 17/32" ID x 1/4" Thick
6	000-155-058	2	Washer, Lock, 1/2"
7	000-150-174	2	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
8	001-001-069	2	Hub Assembly, Includes Items 9 thru 12
		2	Hub Assembly, Includes Items 9 thru 12 (Alternate Hub Assembly)
9	001-001-074	1	Hub, Wheel, With Outer Race
10	000-176-184	2	Bearing, Roller, Tapered, 1" Dia. Bore
11	000-166-457	2	Seal, Grease, 2" OD x 1-1/4" ID
12	000-150-218	4	Bolt, Lug, 1/2"-20UNF x 1-1/4" Long
	000-158-120	4	Nut, Lug, Hex, 1/2"-20UNF (Alternate Hub Assembly)
13	315-598-000	2	Spacer, Wheel Bearing, Long
14	315-597-000	2	Spacer, Wheel Bearing, Short
15	001-001-057	2	Wheel/Tire, Foam-Filled, 18.5/8.50-8
16	000-150-359	2	Bolt, Hex Head, Grade 8, 1"-14UNF x 12" Long
17	000-158-193	2	Nut, Castle, 1"-14UNF
18	000-161-078	2	Pin, Cotter, 1/8" Dia. x 2" Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

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Figure 4. Hydraulics Valve Assembly & Related Parts



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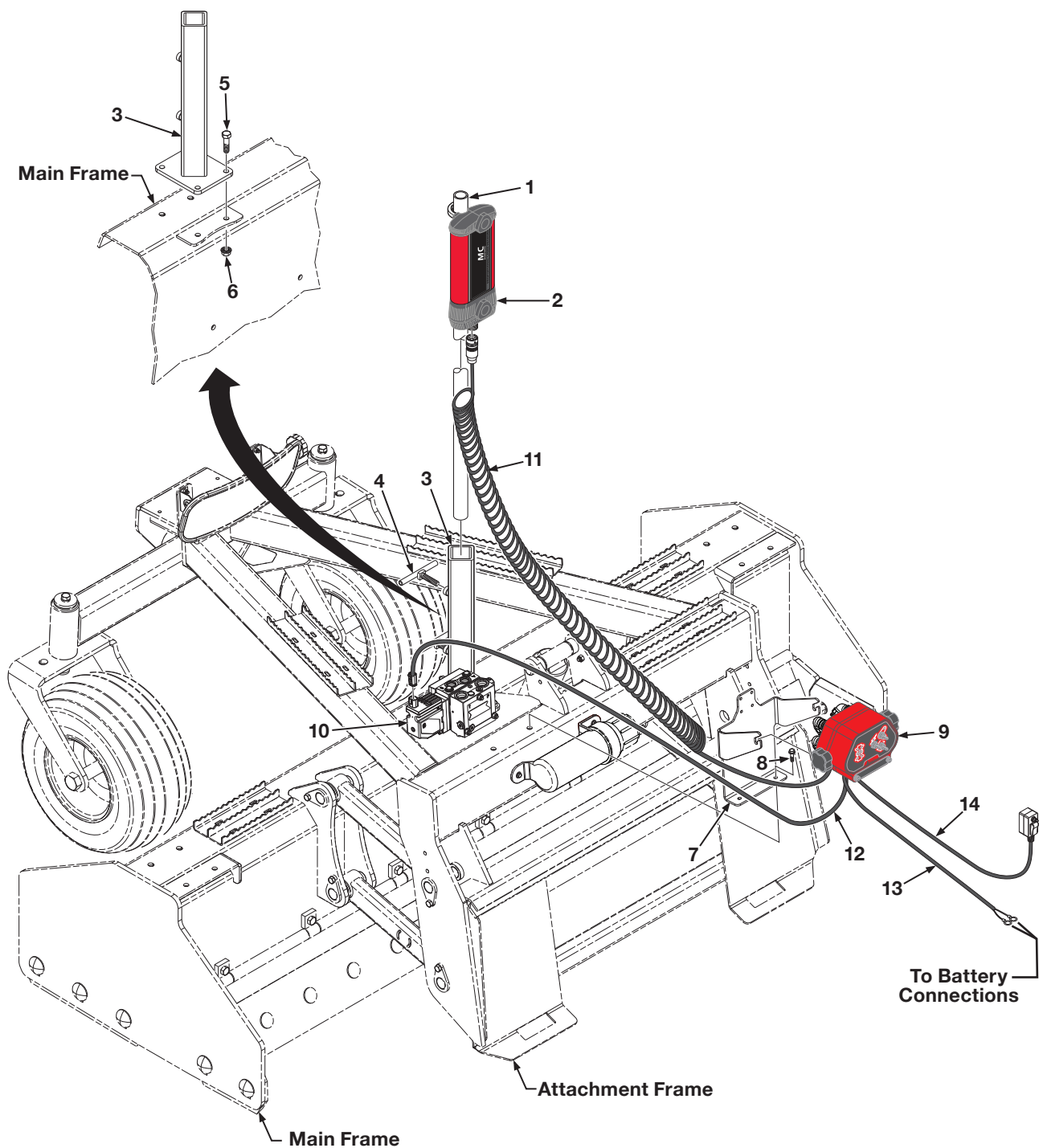
Figure 4. Hydraulics Valve Assembly & Related Parts

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Item	Part No.	Qty	Description
1	000-166-760	1	Valve Assembly, Hydraulic, PVG32H, Includes Items 2 thru 5
2	NSS	1	Valve, Check (DO NOT REMOVE FROM ITEM 1)
3	000-166-694	1	Adapter, Straight, 12OFS x 12MB (FS6400-12-12)
4	000-166-699	2	Adapter, Straight, 6OFS x 10MB (FS6400-06-10)
5	000-150-074	4	Bolt, Serrated Flange, 5/16"-18UNC x 3/4" Long
6	000-166-736	1	Hose Assembly, 3/8" Dia x 26" Long x 6FFX x 6FFX90L, 3,000 PSI
7	100-166-736	1	Hose Assembly, 3/8" Dia x 26" Long x 6FFX x 6FFX90L, 3,000 PSI
8	000-166-697	2	Elbow, 90°, 6OFS x 6MB
9	000-166-690	1	Cylinder, Hydraulic, 3" Bore x 8" Stroke
10	000-161-169	2	Pin, Pivot, 1" Dia. x 6-7/8" Long
11	000-150-082	2	Bolt, Hex Head, 5/16"-18UNC x 1-1/4" Long
12	000-158-066	2	Nut, Hex, Nylon Lock, 5/16"-18UNC
13	000-166-734	1	Hose, 3/4" Dia. x 70" Long x 12MB x 12FFX90, 4,060 PSI
14	000-166-735	1	Hose, 3/4" Dia. x 70" Long x 12MB x 12FFX90L, 4,060 PSI
15	000-166-069	1	Coupler, Quick Disconnect, Flat Face, Female (Pressure Line)
16	000-166-676	1	Coupler, Quick Disconnect, Flat Face, Male (Tank Line)
17	000-200-418	1	Cable, Solenoid, 90°, 3-Wire, Quick Disconnect, 3' Long, Apache CB52/Spectra CB30
	000-200-332	1	Cable, Solenoid, Leica, iCon
			BH-Bulkhead MP-Male Pipe FP-Female Pipe FPX-Female Pipe Swivel FFX- Female O-Ring Flat Face Swivel MB-Male O-Ring Boss FB-Female O-Ring Boss MJ-Male JIC FJ-Female JIC FJX-Female JIC Swivel OFS-O-Ring Face Seal OFSBH-O-Ring Face Seal Bulkhead
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Para-Level Grading Box PARTS LIST

**Figure 5. Laser Controls and Related Parts - Apache CB26/
Spectra CB25**



Para-Level Grading Box PARTS LIST



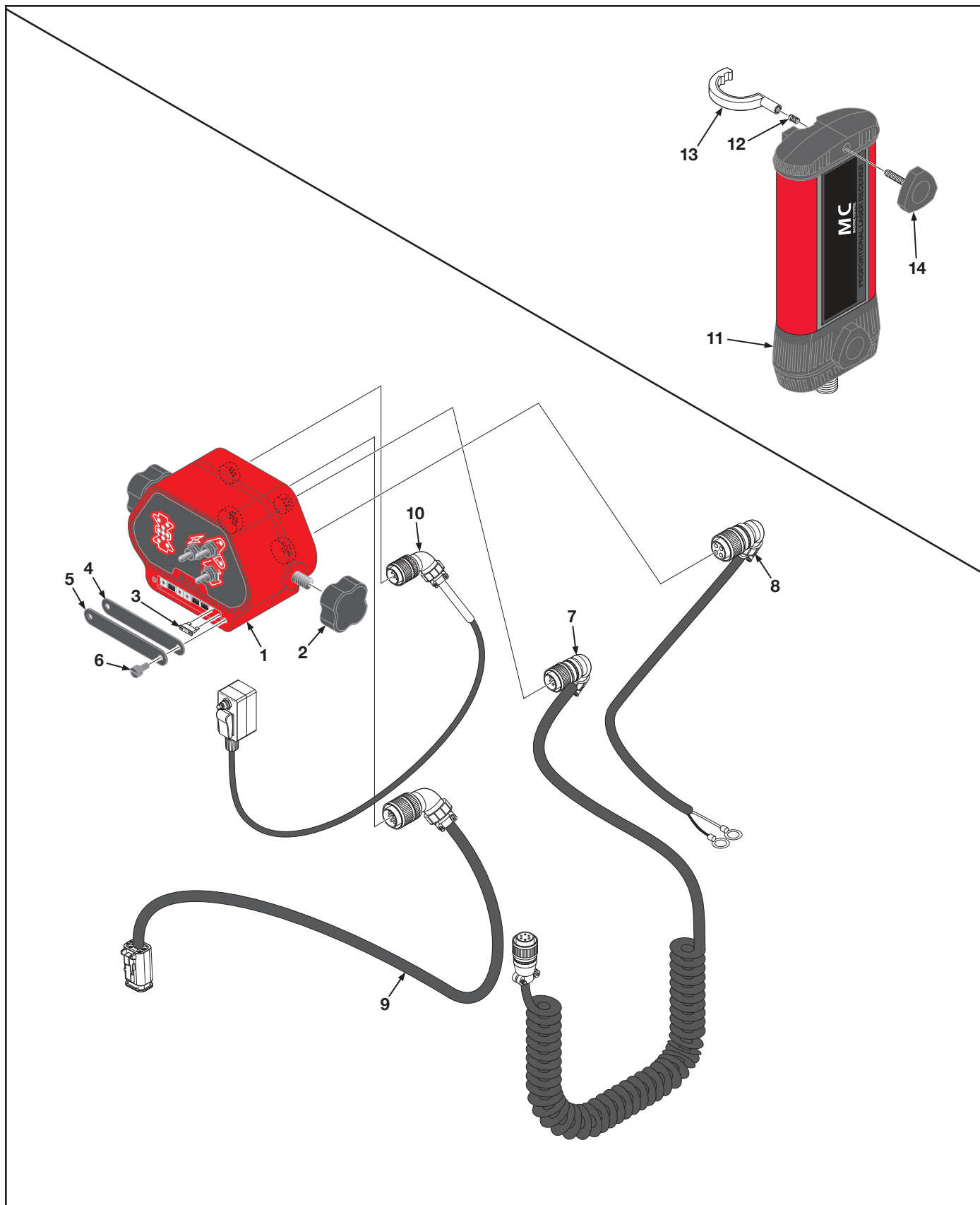
**Figure 5. Laser Controls and Related Parts - Apache CB26/
Spectra CB25**

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Item	Part No.	Qty	Description
1	001-001-052	1	Pole, Mast, 1-1/2" Dia x 7' Long
2	000-200-093	1	Receiver, Laser 360°, Apache B5MC Red
	000-200-275	1	Receiver, Laser 360°, Spectra B5MC Yellow
3	315-101-700	1	Mount, Mast Pole
4	001-001-053	2	Handle, Tee
5	000-150-174	4	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
6	000-158-111	4	Nut, Serrated Flange, 1/2"-13UNC
7	001-001-120	1	Bracket, Mounting, Control Panel
8	000-150-074	2	Bolt, Serrated Flange, 1/4"-20UNC x 3/4" Long
9	000-200-092	1	Panel, Control, Apache CB26, Red, See Breakdown Figure 6
	000-200-212	1	Panel, Control, Spectra CB25, Yellow, See Breakdown Figure 6
10	000-166-760	1	Valve Assembly, Hydraulic, PVG32H
11	000-200-099	1	Cable, Receiver, Coiled, 15' Long
12	000-200-418	1	Cable, Solenoid, Single, 90°, 3-Wire, Quick Disconnect, 3' Long
13	000-200-097	1	Cable, Power, 2-Wire, 20' Long
14	000-200-158	1	Switch, Auxiliary, Remote, Single, Auto/Manual, Raise/Lower, 10' Long
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			

Para-Level Grading Box PARTS LIST

Figure 6. Control Panel, Laser Receiver 360°, Cables - Apache CB26/Spectra CB25



Para-Level Grading Box PARTS LIST

**Figure 6. Control Panel, Laser Receiver 360°, Cables -
Apache CB26/Spectra CB25**

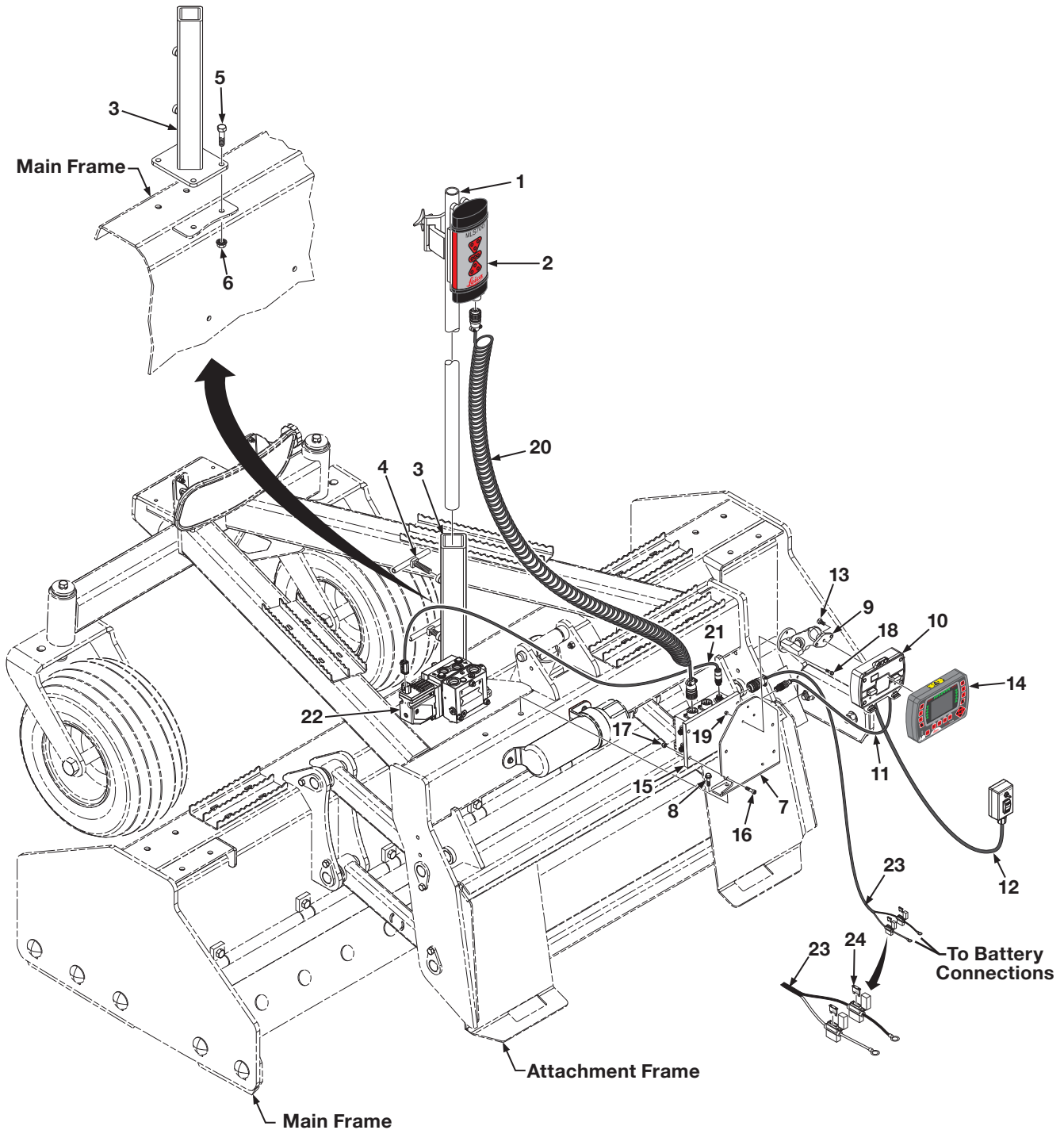
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Item	Part No.	Qty	Description
1	000-200-092	1	Panel, Control, Apache CB26, Red, Includes Items 2 thru 6
	000-200-212	1	Panel, Control, Spectra CB25, Yellow, Includes Items 2 thru 6
2	000-200-112	2	Knob
3	LP	1	Fuse, 25 Amp
4	000-200-115	1	Gasket, Front 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	000-200-418	1	Cable, Solenoid, Single, 90°, 3-Wire, Quick Disconnect, 3' Long
10	000-200-158	1	Switch, Auxiliary, Remote, Single, Auto/Manual, Raise/Lower, 10' Long
11	000-200-093	2	Receiver, Laser 360°, Apache B5MC Red, Includes Items 12 thru 14
	000-200-275	2	Receiver, Laser 360°, Spectra B5MC Yellow, Includes Items 12 thru 4
12	000-161-094	2	Spring, Clamp, Compression
13	000-200-108	2	Clamp, Universal, 2" Dia.
14	000-200-107	2	Knob, Clamp
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Figure 7. Laser Controls and Related Parts - Leica
MCP-1300



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**Figure 7. Laser Controls and Related Parts - Leica
MCP-1300**

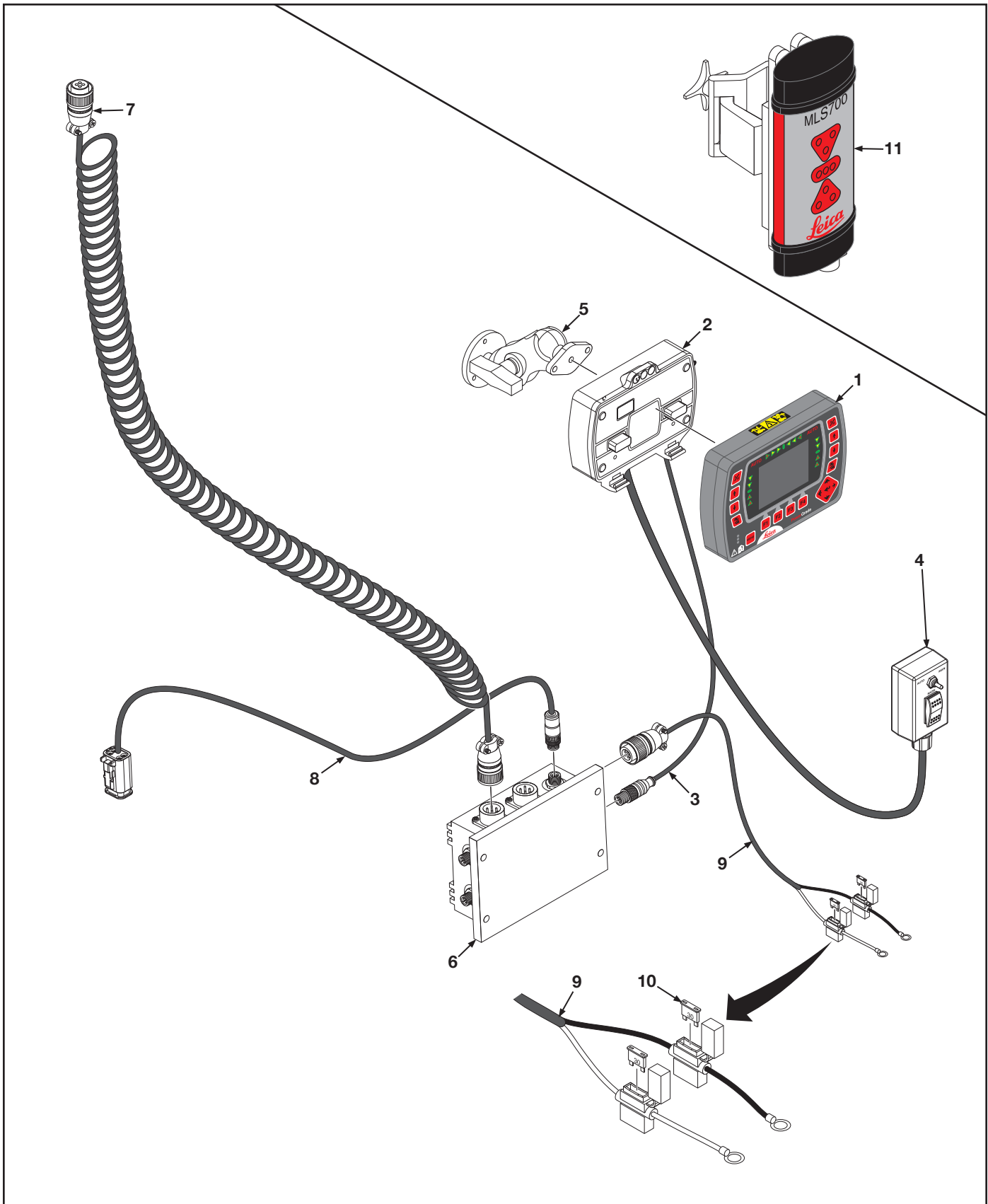
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Item	Part No.	Qty	Description
1	001-001-052	1	Pole, Mast, 1-1/2" Dia x 7' Long
2	000-200-200	1	Receiver, Laser 360°
3	315-101-700	1	Mount, Mast Pole
4	001-001-053	2	Handle, Tee
5	000-150-174	4	Bolt, Hex Head, 1/2"-13UNC x 1-1/4" Long
6	000-158-111	4	Nut, Serrated Flange, 1/2"-13UNC
7	001-001-123	1	Bracket, Mounting, Control Panel
8	000-150-074	2	Bolt, Serrated Flange, 1/4"-20UNC x 3/4" Long
9	000-200-261	1	Ram Ball
10	000-200-260	1	Cradle, Control Panel
11	000-200-262	1	Cable, Junction Box, Cradle
12	000-200-255	1	Switch, Auxiliary, Remote, Dual, Auto/Manual, Raise/Lower, 10' Long
13	000-150-006	2	Slotted Oval Head, M4-.75 x 12mm
14	000-200-269	1	Control Panel, MCP-1300, See Breakdown Figure 8
15	000-200-263	1	Box, Junction
16	000-150-007	4	Screw, Socket Head, SS, M6-1.00 x 20mm
17	000-158-019	4	Nut, Hex, Nylon Lock, SS, M6-1.00
18	000-150-015	3	Bolt, Hex Head, SS, #10-24UNC x 3/4" Long
19	000-158-041	3	Nut, Hex Nylon Lock, SS, #10-24UNC
20	000-200-203	1	Cable, Receiver, Coiled, 3-Wire, 9' Long
21	000-200-332	1	Cable, Solenoid, Single, 3-Wire, Quick Disconnect, 3' Long
22	000-166-760	1	Valve Assembly, Hydraulic, PVG32H
23	000-200-265	1	Cable, Power, 2-Wire, 20' Long, Includes Items 24
24	LP	2	Fuse, 30 Amp

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Para-Level Grading Box PARTS LIST

**Figure 8. Control Panel, Laser Receiver 360°, Cables -
Leica MCP-1300**



Para-Level Grading Box PARTS LIST

**Figure 8. Control Panel, Laser Receiver 360°, Cables -
Leica MCP-1300**

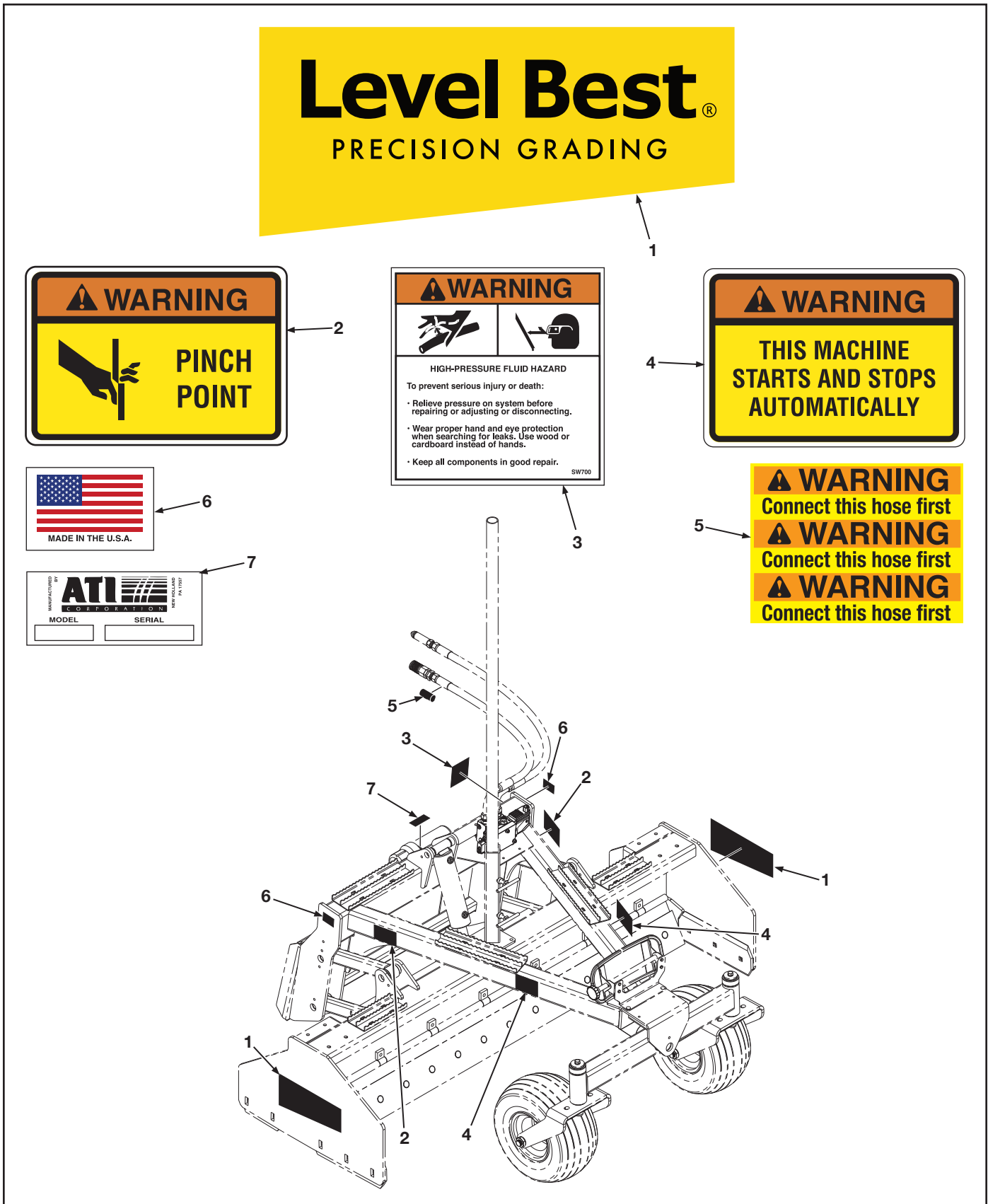
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Item	Part No.	Qty	Description
1	000-200-269	1	Control Panel, MCP-1300
2	000-200-260	1	Cradle, Control Panel
3	000-200-262	1	Cable, Junction Box, Cradle
4	000-200-158	1	Switch, Auxiliary, Remote, Single, Auto/Manual, Raise/Lower, 10' Long
5	000-200-261	1	Ram Ball
6	000-200-263	1	Box, Junction
7	000-200-099	1	Cable, Receiver, Coiled, 15' Long
8	000-200-332	1	Cable, Solenoid, Single, 3-Wire, Quick Disconnect, 3' Long
9	000-200-265	1	Cable, Power, 2-Wire, 20' Long, Includes Items 10
10	LP	2	Fuse, 30 Amp
11	000-200-200	1	Receiver, Laser, 360°
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Figure 9. Decals

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Para-Level Grading Box PARTS LIST

Figure 9. Decals



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Item	Part No.	Qty	Description
1	000-186-102	2	Decal, Level Best Logo
2	000-186-055	2	Decal, Danger, Pinch Point
3	000-186-041	1	Decal, Warning, High-Pressure
4	000-186-094	2	Decal, Danger, This Machine Starts & Stops Automatically
5	000-186-100	1	Decal, Warning, Connect Hose First
6	000-186-092	2	Decal, Made in U.S.A.
7	000-186-035	1	Plate, Model/Serial, Adhesive Back
AR - As Required NSS - Not Serviced Separately ASN - After Serial No. BSN - Before Serial No. LP - Local Purchase			