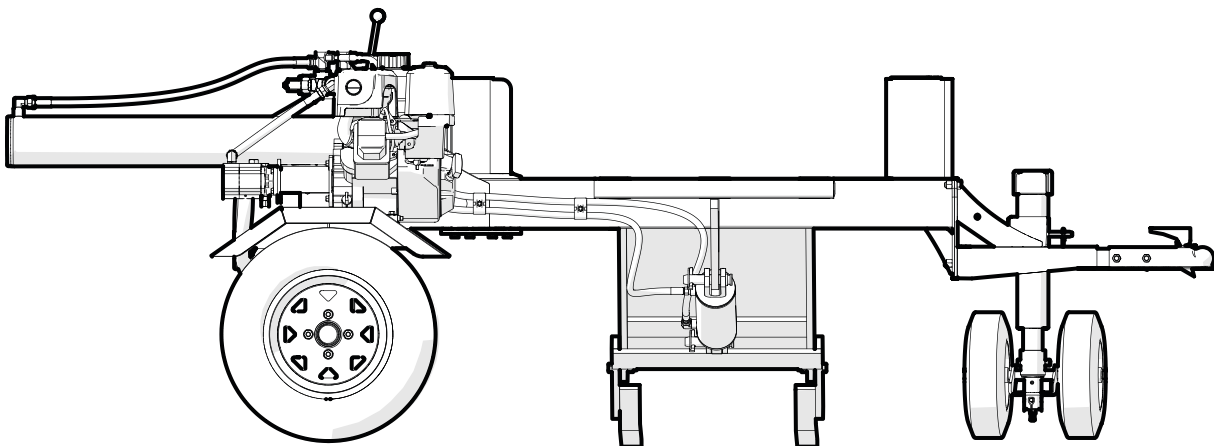


PARTS MANUAL

Serial number 1100760 and up

WX960 Trailer Log Splitter



Foreword

This Wallenstein parts manual is prepared to assist customers in ordering quality OEM replacement parts.

Regular maintenance combined with replacing old, worn or broken parts with the correct OEM parts is essential in prolonging the life of your Wallenstein product. Refer to this manual to identify replacement parts.

To order parts, contact your Wallenstein dealer or distributor. Have the product model and serial number handy.

If your dealer is no longer available, please go to WallensteinEquipment.com. At the bottom of the page, select Dealer Locator.

All information contained in this parts manual is current as per the revision date at the bottom of the page. Wallenstein reserves the right to change product specifications at any time without notice.

If your product specifications differ from those contained in this manual, contact Wallenstein for current information.

Reproduction of information in this parts manual is prohibited without prior written permission from Wallenstein Equipment Inc.

Wallenstein Equipment Inc. • © 2023



WARNING!

For safety, operation, and maintenance information, see the Operator's Manual.

Maintenance should be performed by trained personnel only.

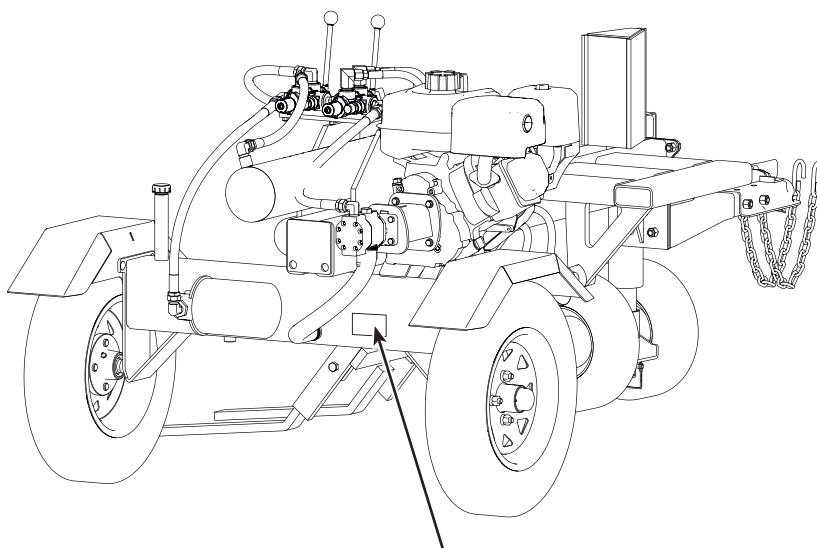
Serial Number Location

Always provide the model and serial number of your Wallenstein product when ordering parts or requesting service or other information. The serial number is on the product information plate as shown below.

Record your product information here for future reference.

Model _____

Serial Number _____



Product Information Plate

WallensteinEquipment.com

Contents

Main Parts4

Tank and Trailer.....5

Hitch & Tongue.....6

Dual Jockey Jack Assembly7

Sliding Wedge Assembly8

Hub Assembly8

Engine and Hydraulics Assembly9

Sliding Wedge Cylinder10

Lift Shelf Cylinder10

Valve Assembly11

Z56209 Service Kits11

Z56211 Service Kits11

Hydraulic Circuit12

Decal Layout.....13

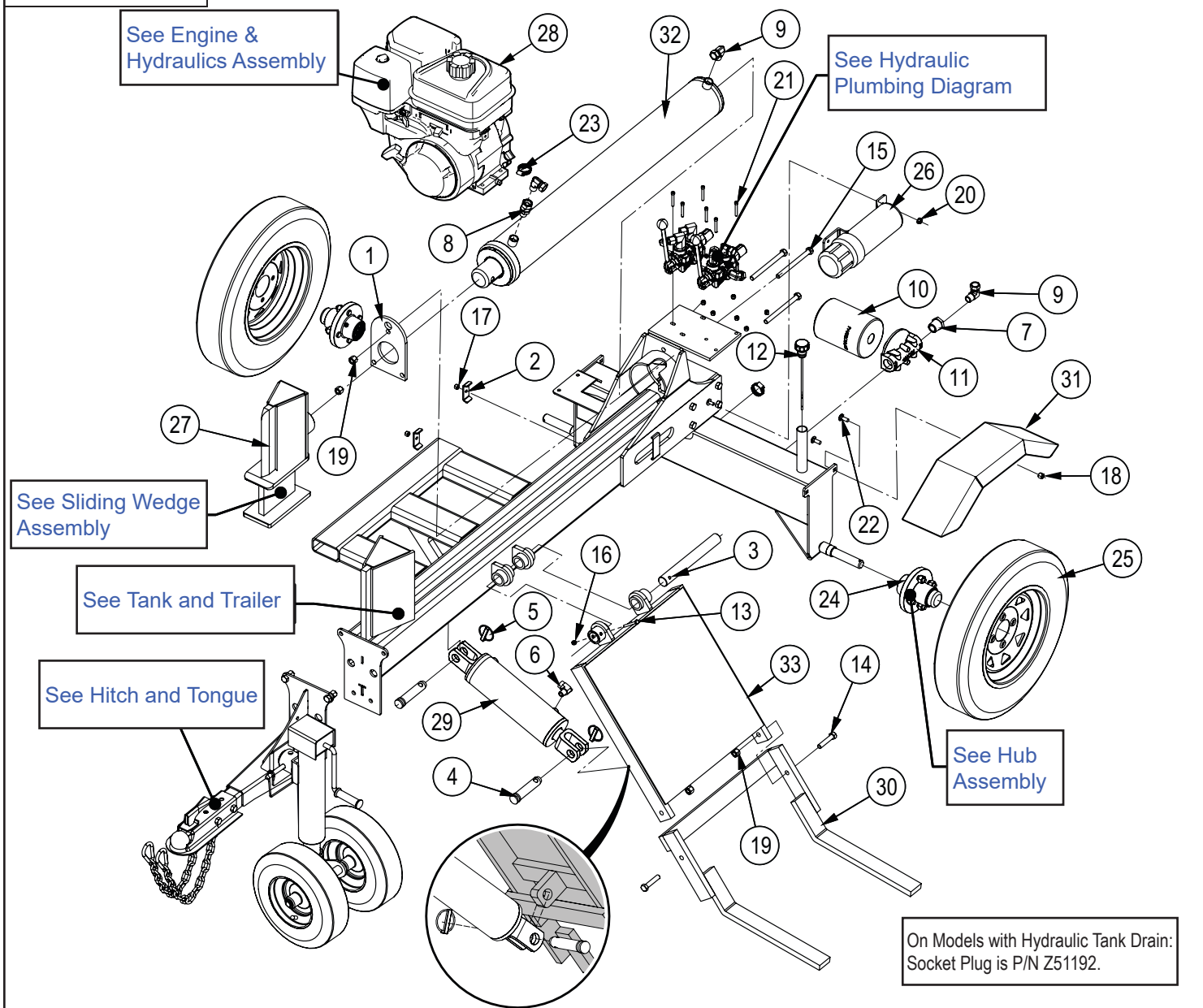
Accessories14

Bolt Torque15

Hydraulic Fitting Torque.....16

Lug Nut Torque.....16

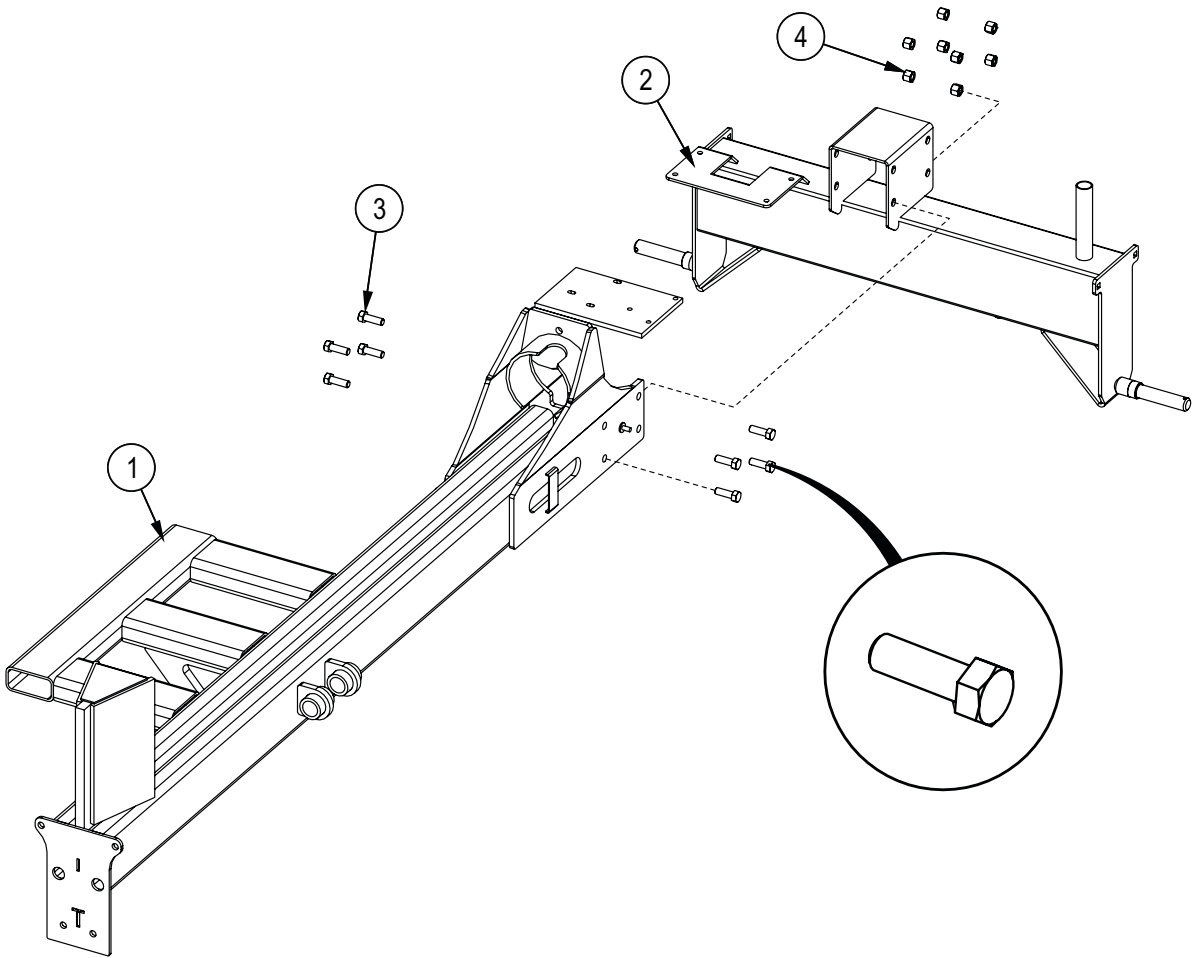
Main Parts



Item No.	Part No.	Description	Qty
1	2032S213	Plate, Cylinder Retaining	1
2	2054L412	Clamp, Two Hose	2
3	2058M815	Pin, Shelf Pivot	1
4	Z11141	Toplink Pin, 1" x 3-3/16" MOD	2
5	Z12140	Lynch Pin, 7/16"	2
6	Z51135	Elbow 90, MP x FP 0606	1
7	Z51223	Straight, MP x FP 1608	1
8	Z51312	Straight, MP x FPX 0808	1
9	Z51331	Elbow 90, MP x FPX 0808	3
10	Z55303	Particulate Filter, FP16	1
11	Z55304	Filter Cap, MP16 x FP16	1
12	Z55404	Vented Plug Dipstick x 9"	1
13	Z71122	Hex Bolt, 1/4NC x 2-1/4"	1
14	Z71525	Hex Bolt, 1/2NC x 2-1/2"	2
15	Z71560	Hex Bolt, 1/2NC x 6"	3
16	Z72211	Hex Lock Nut, 1/4NC	7
17	Z72221	Hex Lock Nut, 5/16NC	2

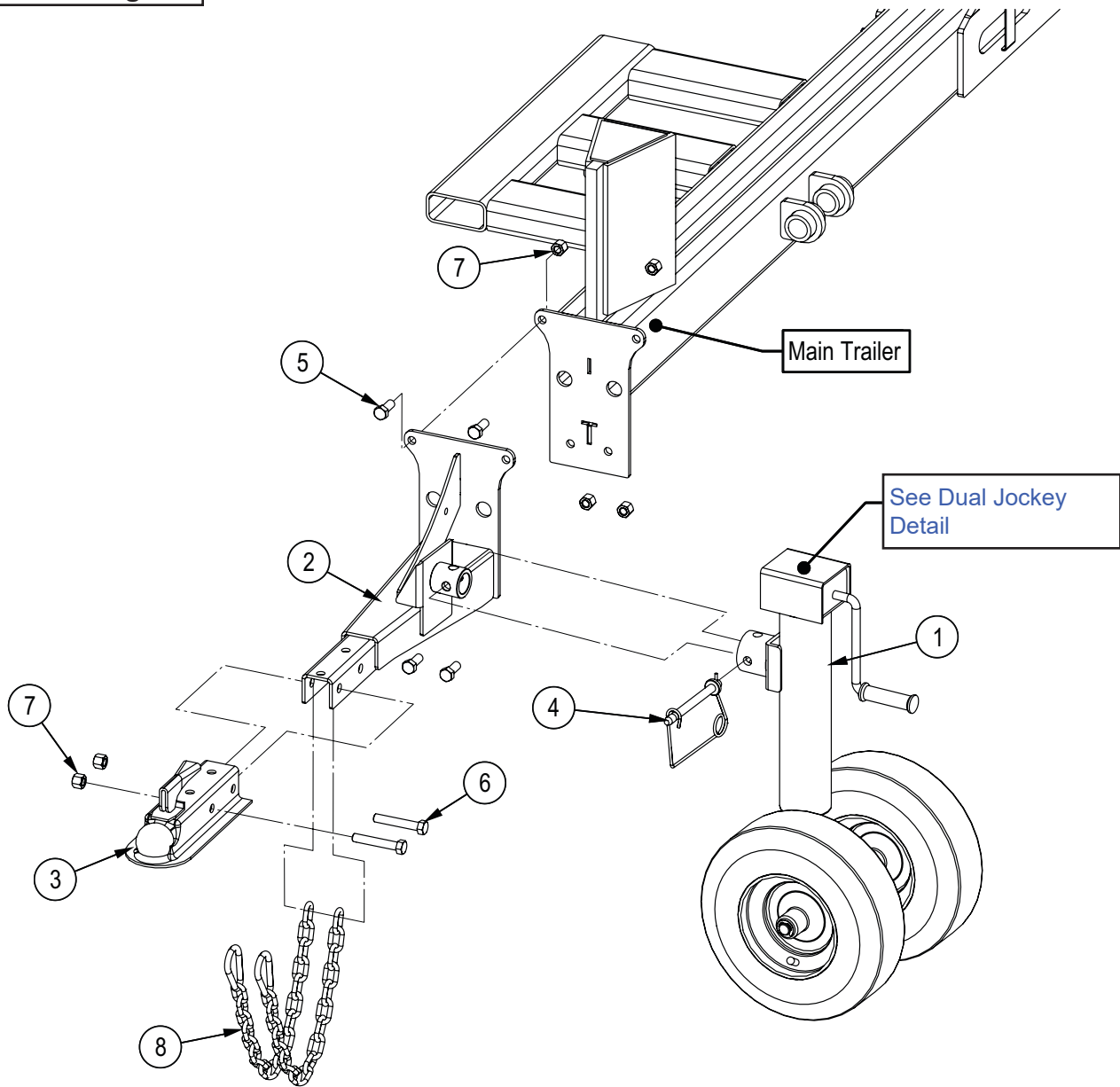
Item No.	Part No.	Description	Qty
18	Z72231	Hex Lock Nut, 3/8NC	4
19	Z72251	Hex Lock Nut, 1/2NC	5
20	Z72521	Serrated Flange Locknut, 5/16NC	1
21	Z75114	SHCS, 1/4NC x 1-3/4"	6
22	Z76231	Carriage Bolt, 3/8NC x 1"	4
23	Z79401	Hose Clamp, SAE #16 (1-1/2")	2
24	Z91202	Idler Hub Assy, 1000lbs x 4on4" x 1"	2
25	Z91302	5.30-12 LRB SportTrail 4on4"	2
26	Z96503	Manual Tube, 3-1/2" Short	1
27	2032A202	Wedge, Large Sliding Assy	1
28	Z47765	Vanguard® 10 hp (305 cc)	1
29	2058C801	Cylinder, 3-1/2 x 8 X 1-1/2	1
30	2059W910	Log Arm	1
31	2061L101	Fender	2
32	2032C201	Cylinder, 4-1/2 x 36 x 2-1/2	1
33	2059W913	Lift Shelf	1

Tank and Trailer



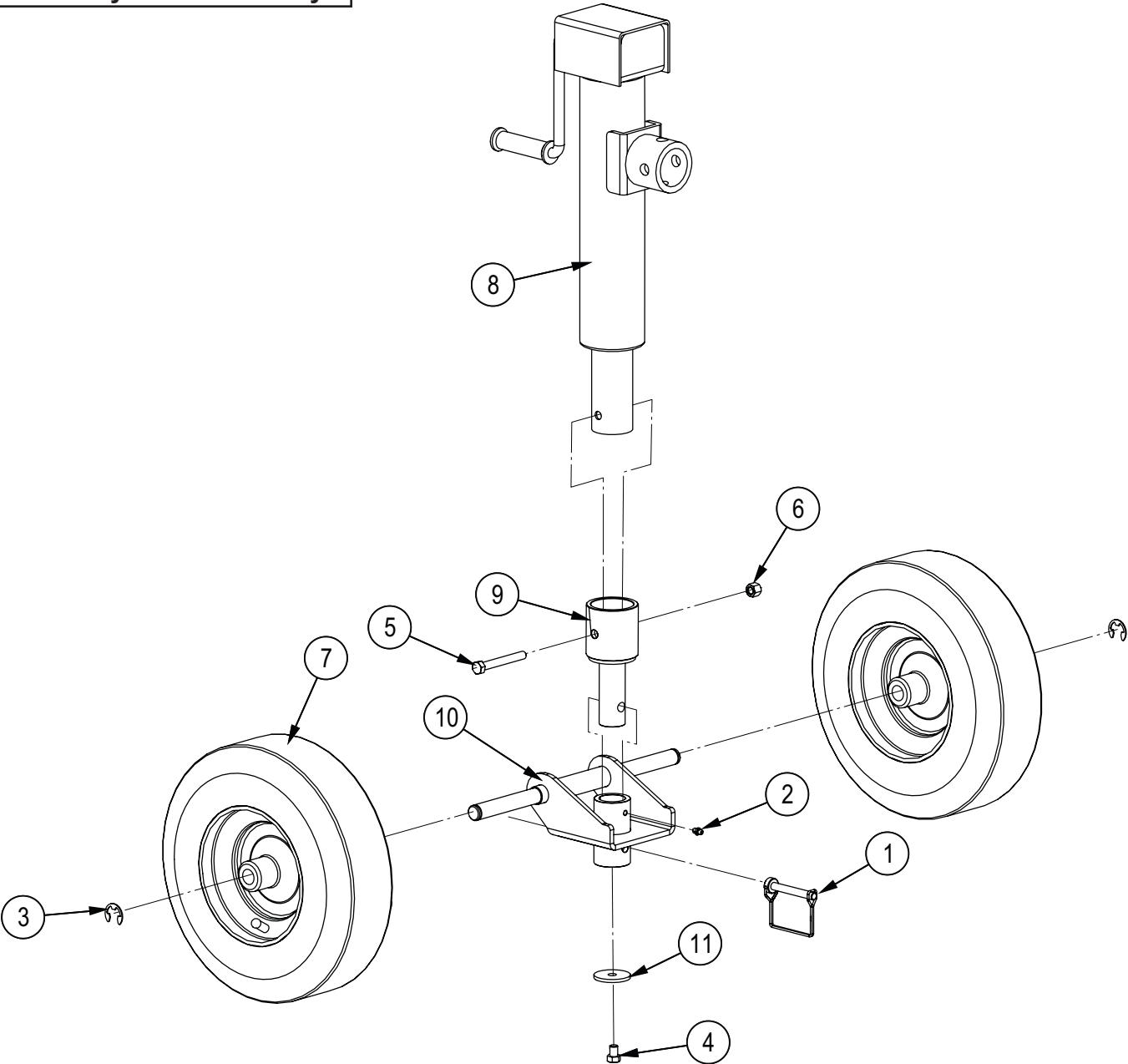
Item No.	Part No.	Description	Qty
1	2059W920	Main Trailer	1
2	2060W024	WX960 Tank	1
3	Z71515	Hex Bolt, 1/2NC x 1-1/2"	8
4	Z72251	Hex Lock Nut, 1/2NC	8

Hitch & Tongue



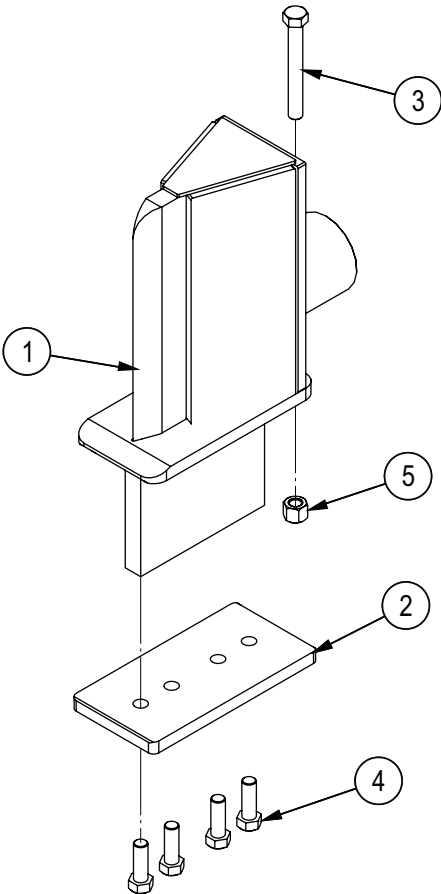
Item No.	Part No.	Description	Qty
1	2060A001	Dual Jockey Jack	1
2	2060W020	Trailer Tongue	1
3	Z91614	Hitch Coupler, 2" Ball x 2" x 3500lbs	1
4	Z12441	Snap Lock Pin, 1/2" x 4-1/2"	1
5	Z71512	Hex Bolt, 1/2NC x 1-1/4"	4
6	Z71530	Hex Bolt, 1/2NC x 3"	2
7	Z72251	Hex Lock Nut, 1/2NC	6
8	Z92303	Safety Chain, 1/4" x 2ft with Snap	2

Dual Jockey Jack Assembly



Item No.	Part No.	Description	Qty
1	Z12432	Snap Lock Pin, 3/8" x 2-1/2"	1
2	Z29202	Grease Fitting, 1/4NF	1
3	Z46203	E-Style Retaining Ring, 3/4"	2
4	Z71305	Hex Bolt, 3/8NC x 1/2"	1
5	Z71330	Hex Bolt, 3/8NC x 3"	1
6	Z72231	Hex Lock Nut, 3/8NC	1
7	Z91311	4.10-6NHS 2PR 290lbs Sawtooth x 3/4"	2
8	Z91515	Trailer Jack, Side Wind x 2000lbs No Foot	1
9	2060W022	Jockey Pivot Foot	1
10	2060W023	Dual Jockey Axle	1
11	2060L008	Washer, 3/8" Extra Wide	1

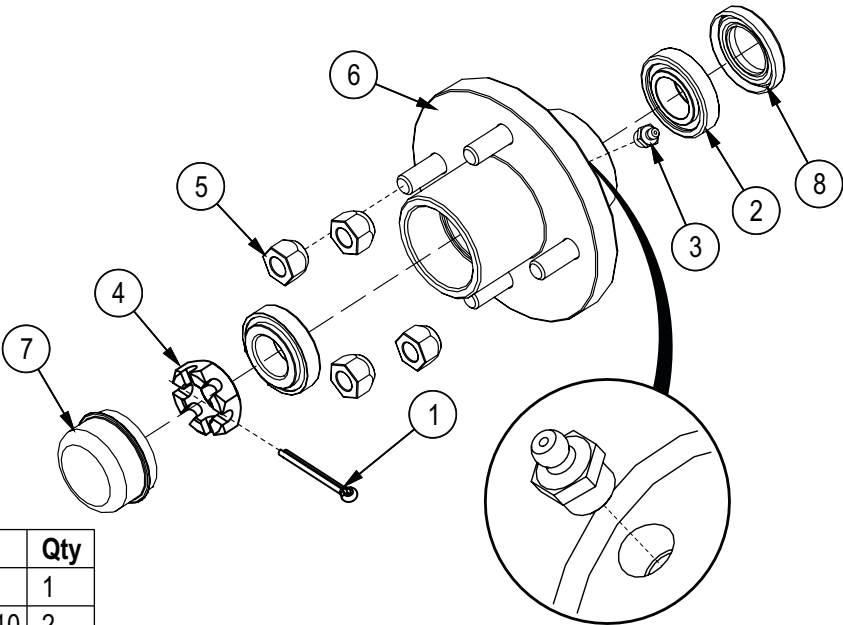
Sliding Wedge Assembly



2032A202 SLIDING WEDGE PARTS

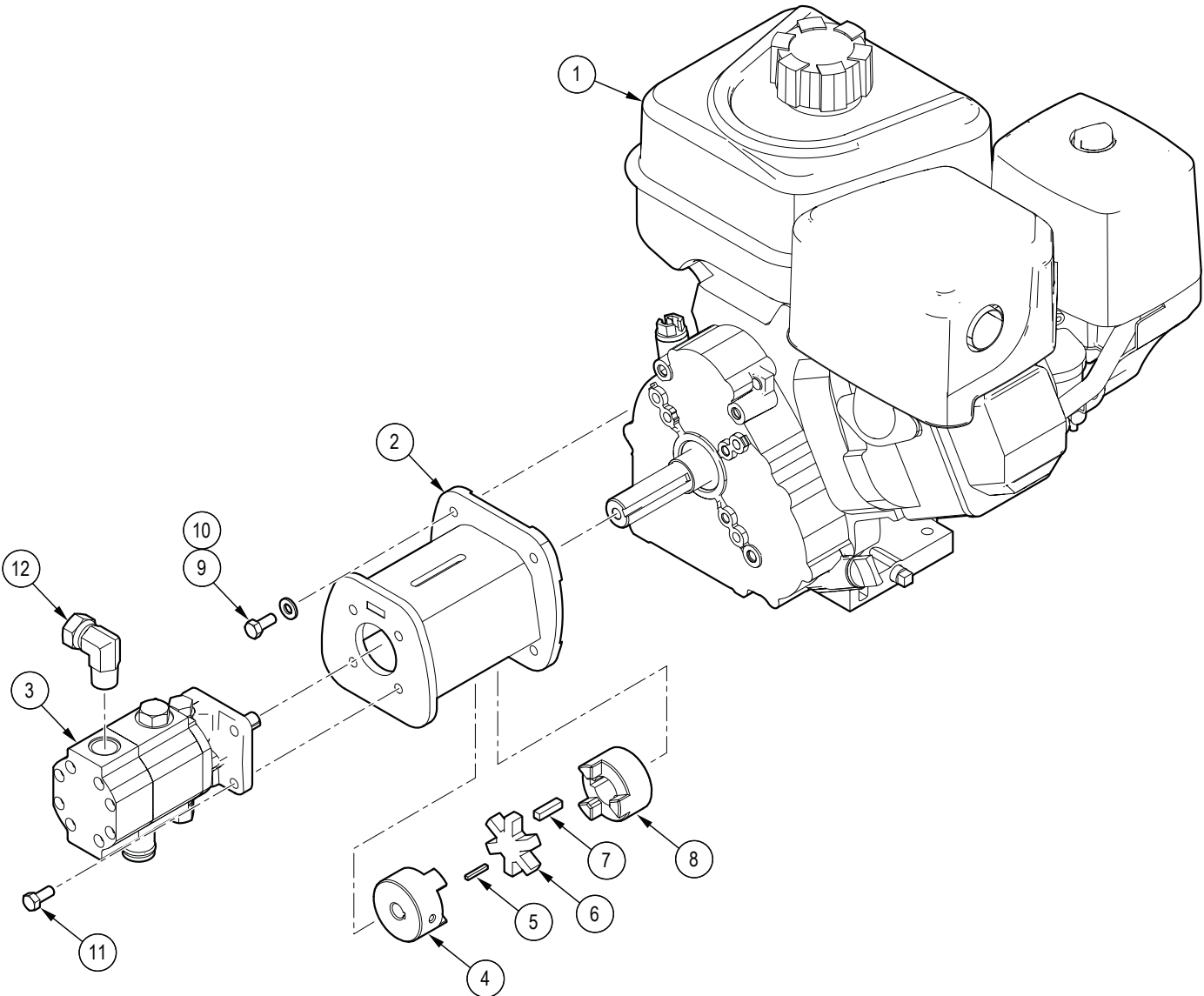
Item No.	Part No.	Description	Qty
1	2032W203	Wedge, Large Sliding	1
2	2014S414	Plate, Sliding Wedge Capture	1
3	Z71537	Hex Bolt, 1/2NC x 3-3/4"	1
4	Z71576G8	Hex Bolt, 1/2NF x 1-1/2" G8	4
5	Z72251	Hex Lock Nut, 1/2NC	1

Hub Assembly



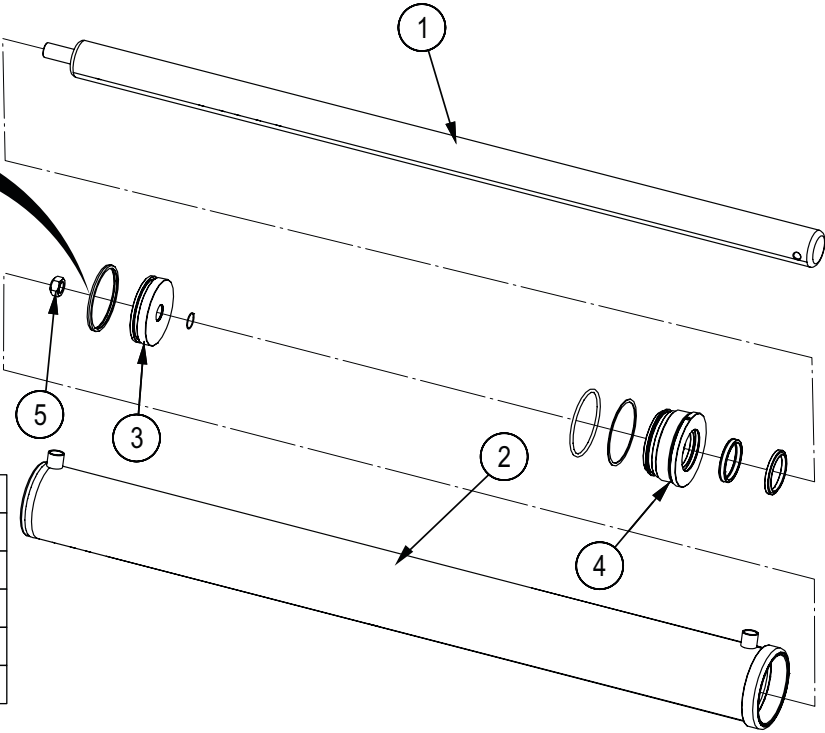
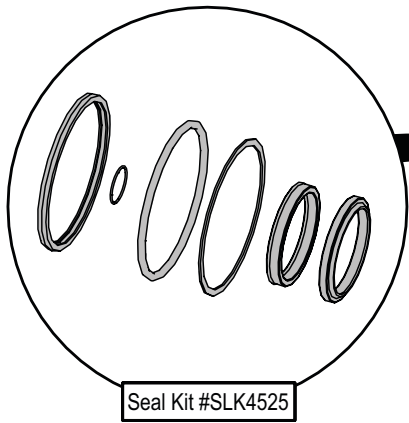
Item No.	Part No.	Description	Qty
1	Z12321	Cotter Pin, 3/16" x 1-3/4"	1
2	Z23201	Roller Bearing, L44643 L44610	2
3	Z29201	Grease Fitting, MP02	1
4	Z72691	Castle Nut, 1NF x 9/16" Thick	1
5	Z72931	Lug Nut, 1/2NF	4
6	Z91201	Hub, 1000lbs x 4on4	1
7	Z91801	Dust Cap, 1.98 Bore	1
8	Z28301	Double Lip Seal, 1-1/4"	1

Engine and Hydraulics Assembly



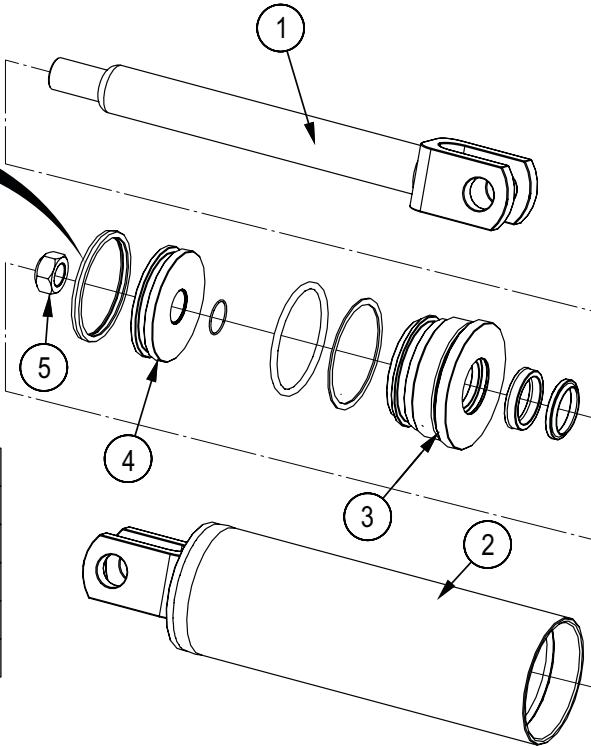
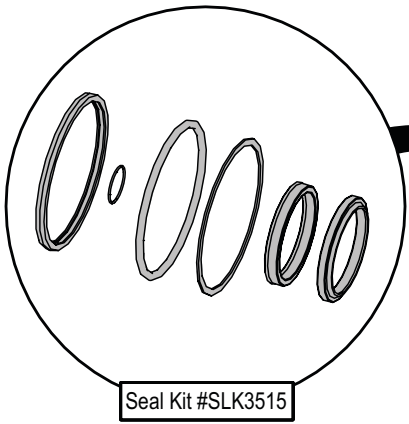
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	Z47765	Vanguard 10 hp (305 cc)	1	8	Z46404	Shaft Coupling, L095 x 1"	1
2	6081W202	Pump Mount, VG300	1	9	Z71273	Hex Bolt, 5/16NF x 3/4"	4
3	Z53205	Two-Stage Pump, 16GPM	1	10	Z73122G8	SAE Washer, 5/16" Grade 8	4
4	Z46409	Shaft Coupling, L095 x 1/2"	1	11	Z71207	Hex Bolt, 5/16NC x 3/4"	4
5	Z46511	Key, 1/8" x 1/8" x 7/8"	1	12	Z51331	Elbow 90, MP x FPX 0808	1
6	Z46405	Spider, L095	1				
7	Z46533	Key, 1/4" x 1/4" x 1"	1				

Sliding Wedge Cylinder



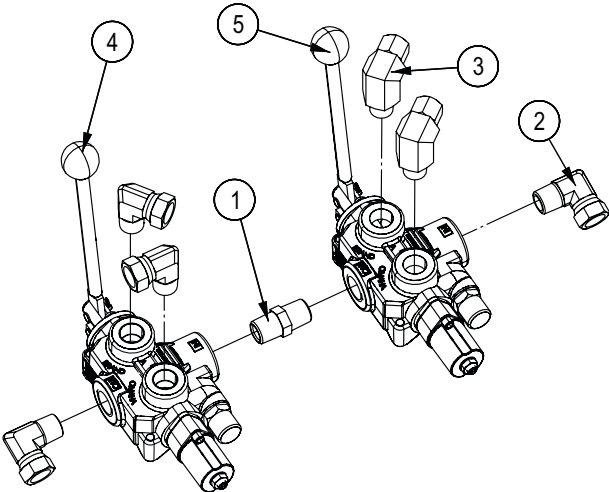
Item No.	Part No.	Description	Qty
1	2032C2013	Rod, 2-1/2 x 1	1
2	2032C2011	Barrel, 4-1/2"	1
3	P100-450SP	Piston, 4-1/2" Bore	1
4	G450-250S	Gland, 4-1/2" x 2-1/2"	1
5	Z72276	Hex Top-lock Nut, 3/4NF	1

Lift Shelf Cylinder



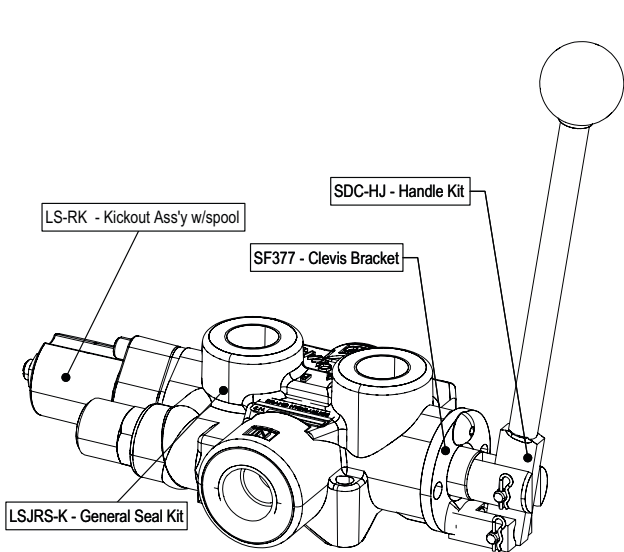
Item No.	Part No.	Description	Qty
1	2058C8013	Rod, 1-1/2 x1	1
2	2058C8014	Barrel, 3-1/2"	1
3	G350-150S	Gland, 3-1/2" x 1-1/2"	1
4	P100-350SP	Piston, 3-1/2" Bore	1
5	Z72276	Hex Top-lock Nut, 3/4NF	1

Valve Assembly

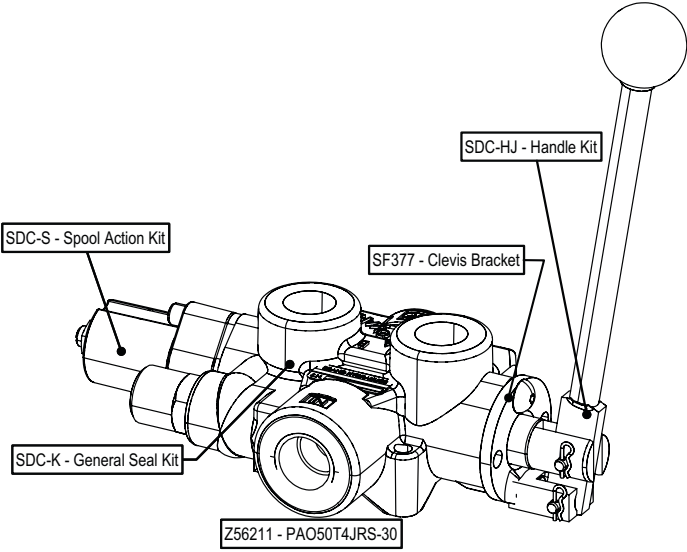


Item No.	Part No.	Description	Qty
1	Z51122	Straight, MP x MP 0808	1
2	Z51331	Elbow 90, MP x FPX 0808	4
3	Z51332	Elbow 90, MP x FPX 0806	2
4	Z56209	Single Spool Valve, OC Tandem SCDK x 18GPM	1
5	Z56211	Single Spool Valve, OC Tandem SC x 18GPM	1

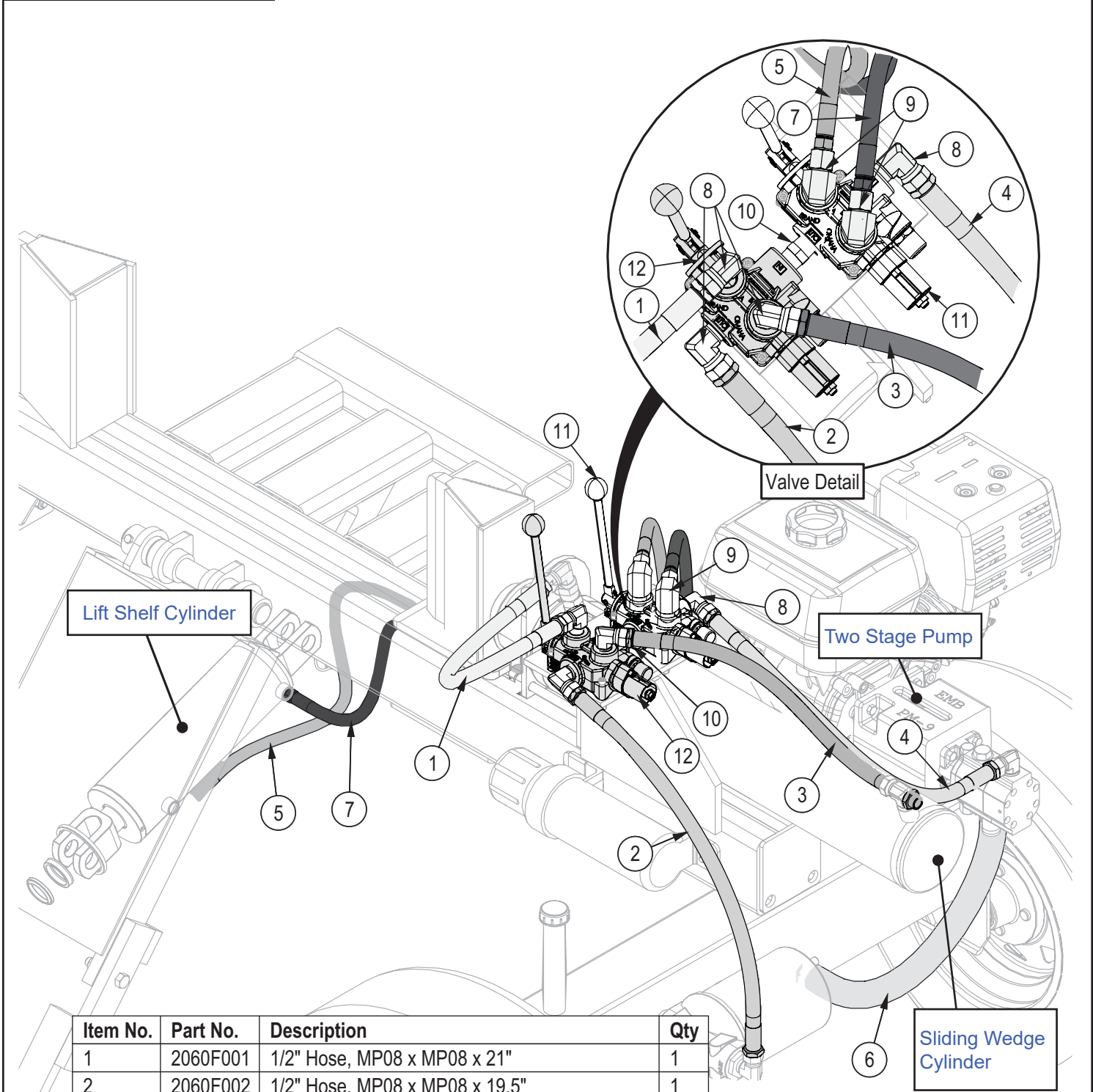
Z56209 Service Kits



Z56211 Service Kits



Hydraulic Circuit

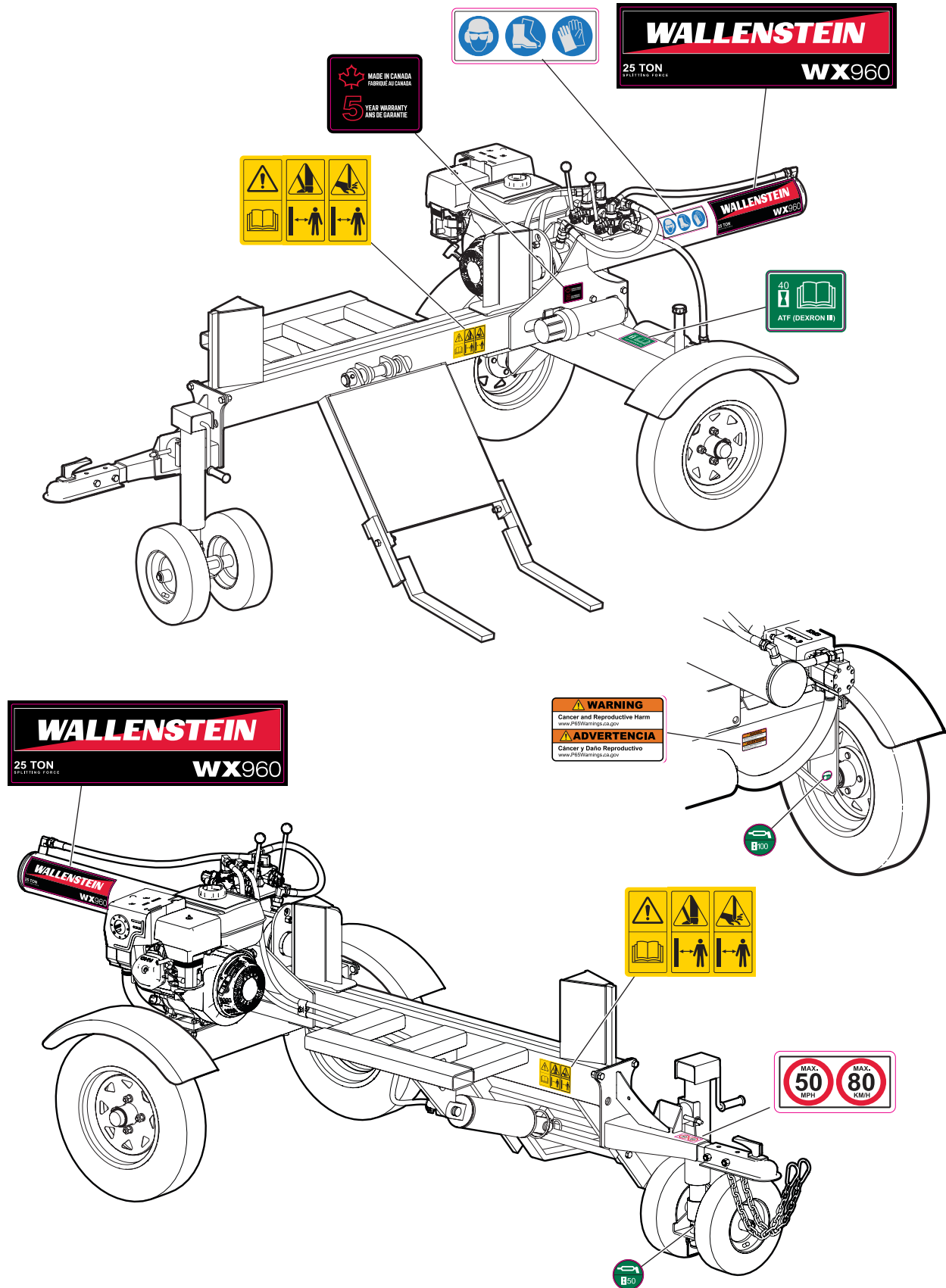


Item No.	Part No.	Description	Qty
1	2060F001	1/2" Hose, MP08 x MP08 x 21"	1
2	2060F002	1/2" Hose, MP08 x MP08 x 19.5"	1
3	2059F003	1/2" Hose, MP08 x MP08 x 33"	1
4	2060F004	1/2" Hose, MP08 x MP08 x 13"	1
5	2059F005	3/8" Hose, MP06 x MP06 x 60"	1
6	2060F007	Suction Hose, 1" x 18"	1
7	2059F006	3/8" Hose, MP06 x MP06 x 55"	1
8	Z51331	Elbow 90, MP x FPX 0808	4
9	Z51332	Elbow 90, MP x FPX 0806	2
10	Z51122	Straight, MP x MP 0808	1
11	Z56211	Single Spool Valve, OC Tandem SC x 18GPM	1
12	Z56209	Single Spool Valve, OC Tandem SCDK x 18GPM	1

Decal Layout

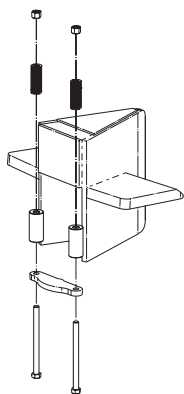
IMPORTANT! If parts are replaced that have safety signs on them, new signs must be applied. Safety signs must always be replaced if they become damaged, are removed, or become illegible.

Safety signs are included in the product decal kit available from your authorized dealer. Decals are not available separately.



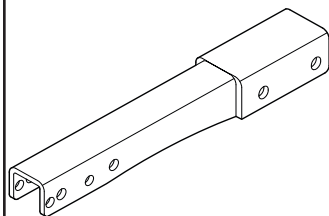
Accessories

For price and availability, contact your local Wallenstein dealer or distributor.

**Four-way wedge**

Part number W4130

Split wood into four pieces with a single stroke.

**Hitch extension**

Part number W4202

12" extension for use with a 2" ball hitch.

This accessory is necessary to tow the machine with an all-terrain vehicle (ATV).

</

Hydraulic Fitting Torque

Tighten flare-type tube fittings:

1. Check the flare and flare seat for defects that might cause leaks.
2. Align the tube with the fitting before tightening.
3. Hand-tighten the swivel nut until it is snug.
4. To prevent the tube from twisting, use two wrenches. Place one wrench on the connector body and tighten the swivel nut with the second wrench. Torque the fitting to the correct specification.

If a torque wrench is not available, use the flats from finger tight (FFFT) method.

Hydraulic Fitting Torque Specifications

Tube size OD	Hex size across flats	Torque		Flats from finger tight	
		lbf•ft	N•m	Flats	Turns
3/16	7/16	6	8	2	1/6
1/4	9/16	11–12	15–17	2	1/6
5/16	5/8	14–16	19–22	2	1/6
3/8	11/16	20–22	27–30	1-1/4	1/6
1/2	7/8	44–48	59–65	1	1/6
5/8	1	50–58	68–79	1	1/6
3/4	1-1/4	79–88	107–119	1	1/8
1	1-5/8	117–125	158–170	1	1/8

Specifications are for non-lubricated connections.

Lug Nut Torque



WARNING!

Wheel lug nuts must be installed and kept at the correct torque to prevent loose wheels, broken studs, or possible separation of a wheel from the axle.

It is an extremely important safety procedure to apply and maintain the correct torque on lug nuts that secure the wheel to the trailer axle. A calibrated torque wrench is the best tool to make sure that the correct amount of torque is applied to a fastener.

Tighten wheel lug nuts to the correct torque before the first use and after each wheel removal. After a wheel is installed, check and torque the lug nuts after the first 10 miles (16 km), 25 miles (40 km), and 50 miles (80 km). Check the lug nut torque periodically thereafter.

- Start all lug nuts onto the threads by hand.
- Tighten lug nuts in stages, following the pattern shown below the Lug Nut Torque Specifications table.

Lug Nut Torque Specifications

Wheel size	Units	First stage	Second stage	Third stage
8 inch	lbf•ft N•m	12–20 16–26	30–35 39–45.5	45–55 58.5–71.5
12 inch	lbf•ft N•m	20–25 26–32.5	35–40 45.5–52	50–60 65–78
13 inch	lbf•ft N•m	20–25 26–32.5	35–40 45.5–52	50–60 65–78
14 inch	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156
15 inch	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156
16 inch	lbf•ft N•m	20–25 26–32.5	50–60 65–78	90–120 117–156

Lug nut torque pattern:

