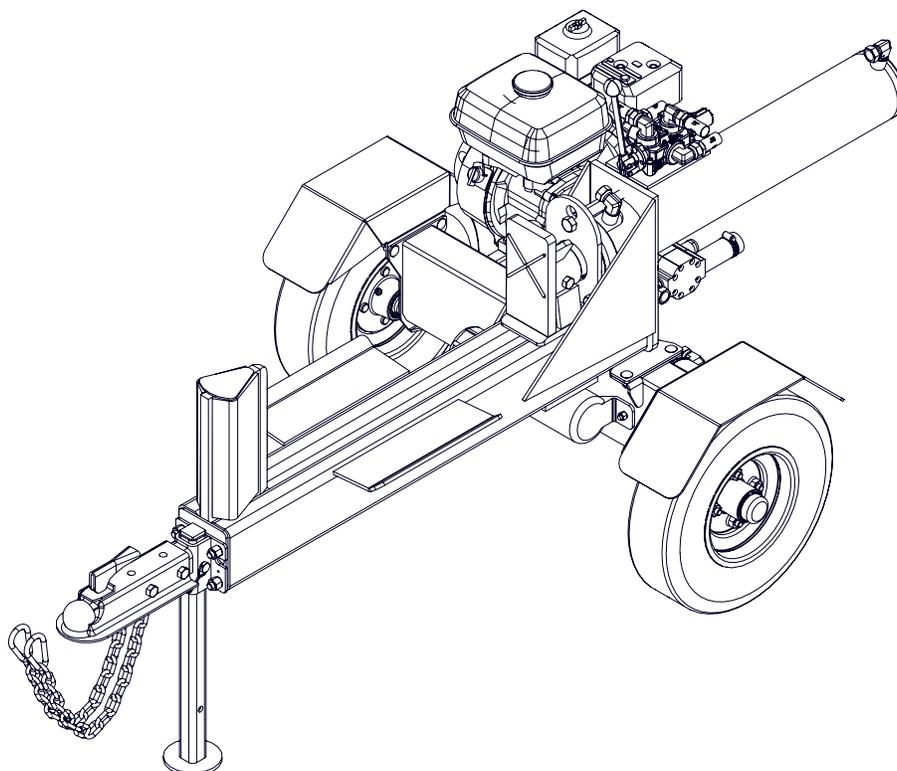




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# WX620 Series Trailer Log Splitter Parts Manual

Starting with S/N's  
WX620T-L: S/N 2E9US1118ES290079 & After  
WX620 & WX620T: 290079 AND ON



Refer to the operators  
manual for safe  
operation and  
maintenance

## Foreword

EMB Mfg. has prepared this parts manual to assist customers in ordering quality OEM replacement parts.

Proper and regular service and replacing old, worn or broken parts with the correct OEM parts are essential to prolonging the life of your EMB product. Please refer to this manual before ordering any replacement parts.

All information contained in this parts manual is based on the latest product specification available at the time of printing this manual. If your product differs from the specifications contained within this manual contact EMB Mfg. for information.

EMB reserves the right to alter specifications on their products at any time.

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For parts and information please contact your dealer. If your dealer is no longer available please go to our website: <http://www.wallensteinequipment.com> and click on "FIND A DEALER NEAR YOU" for information on a local dealer.

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Maintenance should be performed by  
trained personnel only.



Refer to the operators  
manual for safe  
operation and  
maintenance

**Bolt Torque**

**CHECKING BOLT TORQUE**

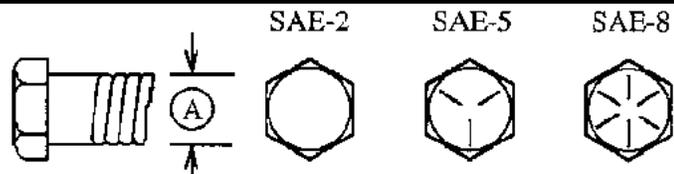
The tables shown below give correct torque values for various bolts and capscrews. Tighten all bolts to the torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt torque chart as a guide. Replace hardware with the same strength bolt.

Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

\* Torque value for bolts and capscrews are identified by their head markings.

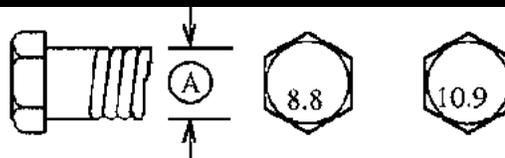
**ENGLISH TORQUE SPECIFICATIONS**

Bolt Diameter "A"	Bolt Torque*					
	SAE 2 (N.m) (lb-ft)		SAE 5 (N.m) (lb-ft)		SAE 8 (N.m) (lb-ft)	
1/4"	8	6	12	9	17	12
5/16"	13	10	25	19	36	27
3/8"	27	20	45	33	63	45
7/16"	41	30	72	53	100	75
1/2"	61	45	110	80	155	115
9/16"	95	60	155	115	220	165
5/8"	128	95	215	160	305	220
3/4"	225	165	390	290	540	400
7/8"	230	170	570	420	880	650
1"	345	225	850	630	1320	970



**METRIC TORQUE SPECIFICATIONS**

Bolt Diameter "A"	Bolt Torque*			
	8.8 (N.m) (lb-ft)		10.9 (N.m) (lb-ft)	
M3	0.5	0.4	1.8	1.3
M4	3	2.2	4.5	3.3
M5	6	4	9	7
M6	10	7	15	11
M8	25	18	35	26
M10	50	37	70	52
M12	90	66	125	92
M14	140	103	200	148
M16	225	166	310	229
M20	435	321	610	450
M24	750	553	1050	774
M30	1495	1103	2100	1550
M36	2600	1917	3675	2710



### Hydraulic Torque

#### Tightening Flare Type Tube Fittings \*

1. Check flare and flare seat for defects that might cause leakage.
  2. Align tube with fitting before tightening.
  3. Lubricate connection and hand tighten swivel nut until snug.
  4. To prevent twisting the tube(s), use two wrenches. Place one wrench on the connector body and with the second tighten the swivel nut to the torque shown.
- The torque values shown are based on lubricated connections as in reassembly.

HYDRAULIC FITTING TORQUE					
Tube Size OD	Nut Size Across Flats	Torque Value*		Recommended Turns To Tighten (After Finger Tightening)	
		(in.)	(in.)	(N.m)	(lb-ft)
3/16	7/16	8	6	1	1/6
1/4	9/16	12	9	1	1/6
5/16	5/8	16	12	1	1/6
3/8	11/16	24	18	1	1/6
1/2	7/8	46	34	1	1/6
5/8	1	62	46	1	1/6
3/4	1-1/4	102	75	3/4	1/8
7/8	1-3/8	122	90	3/4	1/8

### Wheel Torque

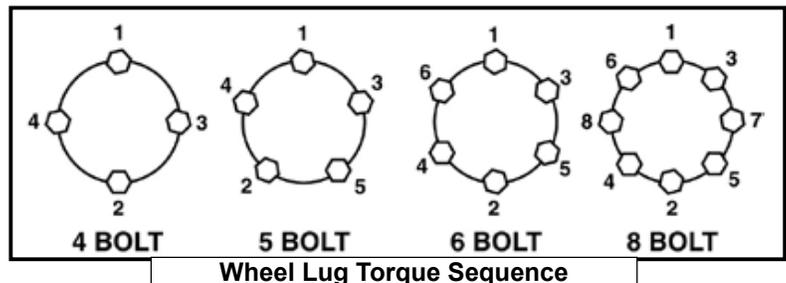
It is extremely important safety procedure to apply and maintain proper wheel mounting torque on your trailer axle. Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastener.

Wheel lugs should be torqued before first road use and after each wheel removal. Check and re torque after the first 10 miles, 25 miles, and again at 50 miles. Check periodically thereafter.

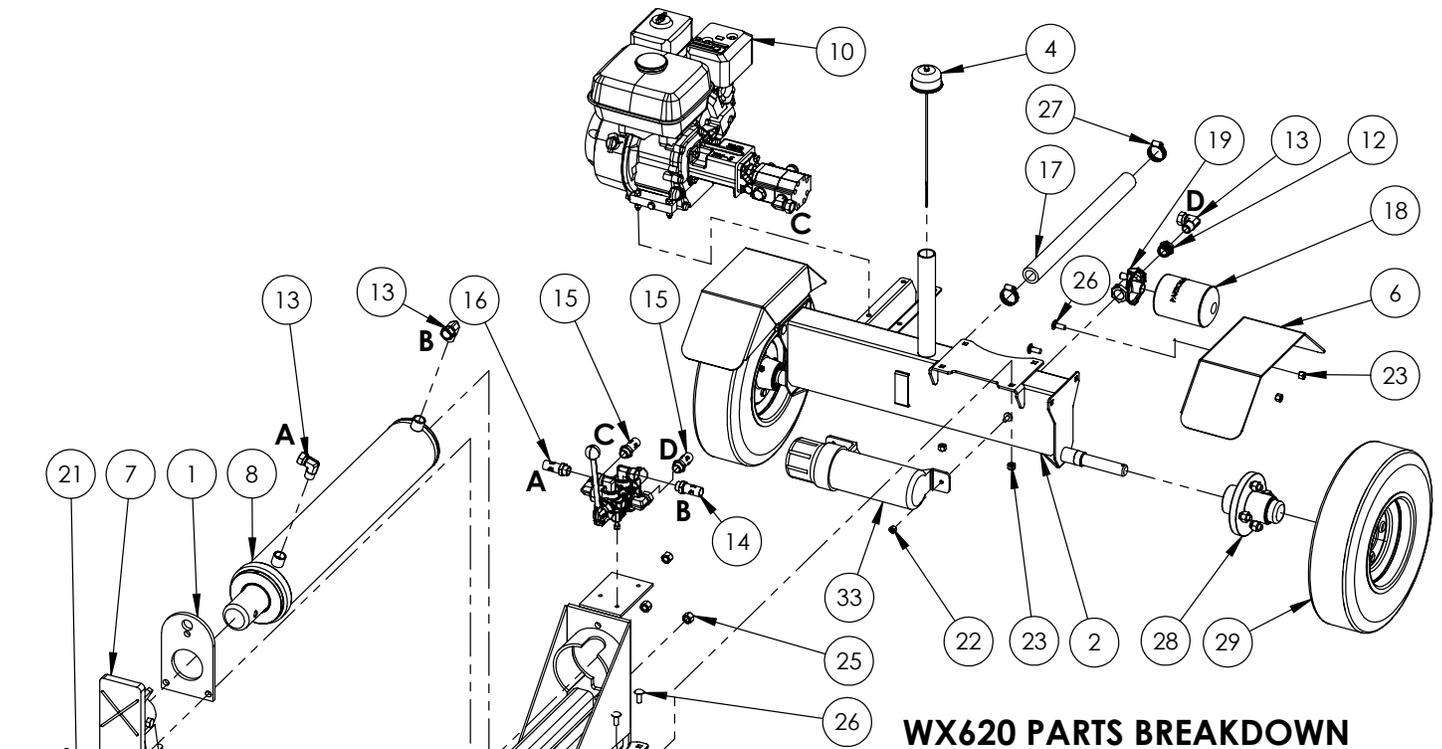
Note: Wheel lugs must be applied and maintained at the proper torque levels to prevent loose wheels, broken studs, and possible dangerous separation of wheels from your axle.

1. Start all lugs by hand to prevent cross threading.
2. Tighten lugs in sequence, per wheel lug torque sequence chart.
3. The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners per wheel torque requirements chart.

Wheel Torque Requirements			
Wheel Size	1st Stage	2nd Stage	3rd Stage
8"	12 - 20	30 - 35	45 - 55
12"	20 - 25	35 - 40	50 - 60
13"	20 - 25	35 - 40	50 - 60
14"	20 - 25	50 - 60	90 - 120
15"	20 - 25	50 - 60	90 - 120
16"	20 - 25	50 - 60	90 - 120



**Main Parts**

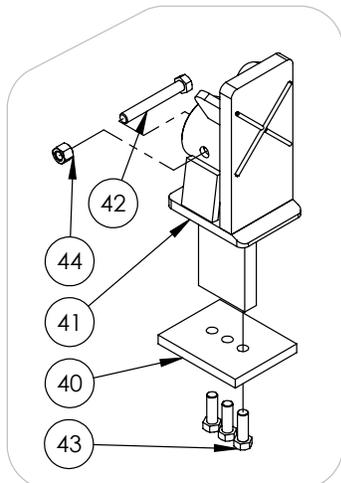


**WX620 PARTS BREAKDOWN**

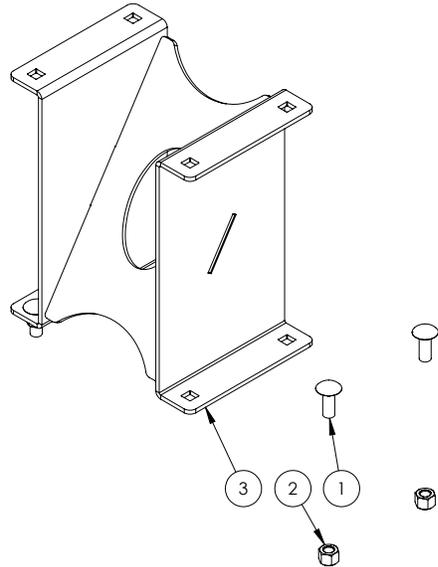
ITEM	PART NO.	DESCRIPTION	QTY
1	2032S213	Plate, Cylinder Retaining	1
2	2052W707	Weldment, WX520 Main Base	1
3	2052W704	Weldment, Hitch Mount	1
4	Z55404	Vented Plug Dipstick x 9"	1
5	2052W206	Jack Stand, Front	1
6	2054W408	Weldment, Fender	2
7	2055A501	Ass'y, Sliding Hvy Pushblock	1
8	2055C501	Cylinder, 4-1/2 x 24 x 2-1/2	1
9	2055W501	Cylinder Weldment, WX910	1
10	2063A106	Assy, GX 6.5hp Engine to 11gpm Pump	1
11	Z12432	Snapper Pin 3/8 x 2-1/2	1
12	Z51221	Reducer FP x MP 1208	1
13	Z51331	Elbow 90 MP x FXP 0808	3
14	Z52301	1/2 Hose MP08 x MP08 x 16"	1
15	Z52303	1/2 Hose, 1/2MP x 1/2MP x 36"	2
16	Z52305	1/2 Hose, MP08 x MP08 x 24"	1
17	Z52404	Suction Hose, 1" x 18"	1
18	Z55301	Oil Filter - 3/4 - Particulate	1
19	Z55302	Filter Cap, 3/4 x 3/4	1
20	Z71530	Hex Bolt 1/2NC x 3	2
21	Z71560	Hex Bolt 1/2NC x 6	3
22	Z72221	Hex Lock Nut 5/16NC	1
23	Z72231	Hex Lock Nut 3/8NC	8
24	Z72251	Hex Lock Nut 1/2NC	4
25	Z72251	Hex Lock Nut 1/2NC	5
26	Z76231	Carriage Bolt 3/8NC x 1	8
27	Z79401	Hose Clamp, #16	2
28	Z91202	Assembly, 1000# 4-Bolt Hub	2
29	Z91301	4.80-8 LRB SportTrail	2
30	Z91614	2" Hitch Coupler	1
31	Z92303	Safety Chain 1/4 x 2'	2
32	Z92303-2	Safety Snap	2
33	Z96503	Manual Tube 3-1/2 Short	1

ITEM	PART NO.	DESCRIPTION	QTY
40	2055S517	Cap, Push Block	1
41	2055W509	Weldment, Hvy Push Block	1
42	Z71537	Hex Head Bolt, 1/2NC x 3-3/4	1
43	Z71576	Hex Bolt 1/2NF x 1-1/2	3
44	Z72251	Hex Lock Nut 1/2NC	1

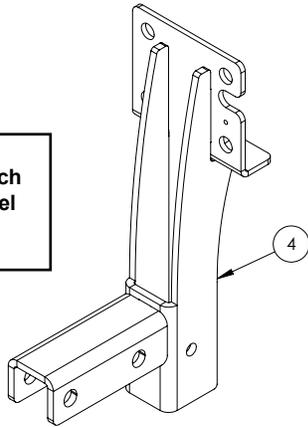
On Models with Hydraulic Tank Drain:  
#Z51192 Socket Plug, MP 08



**WX520T Tall Parts**



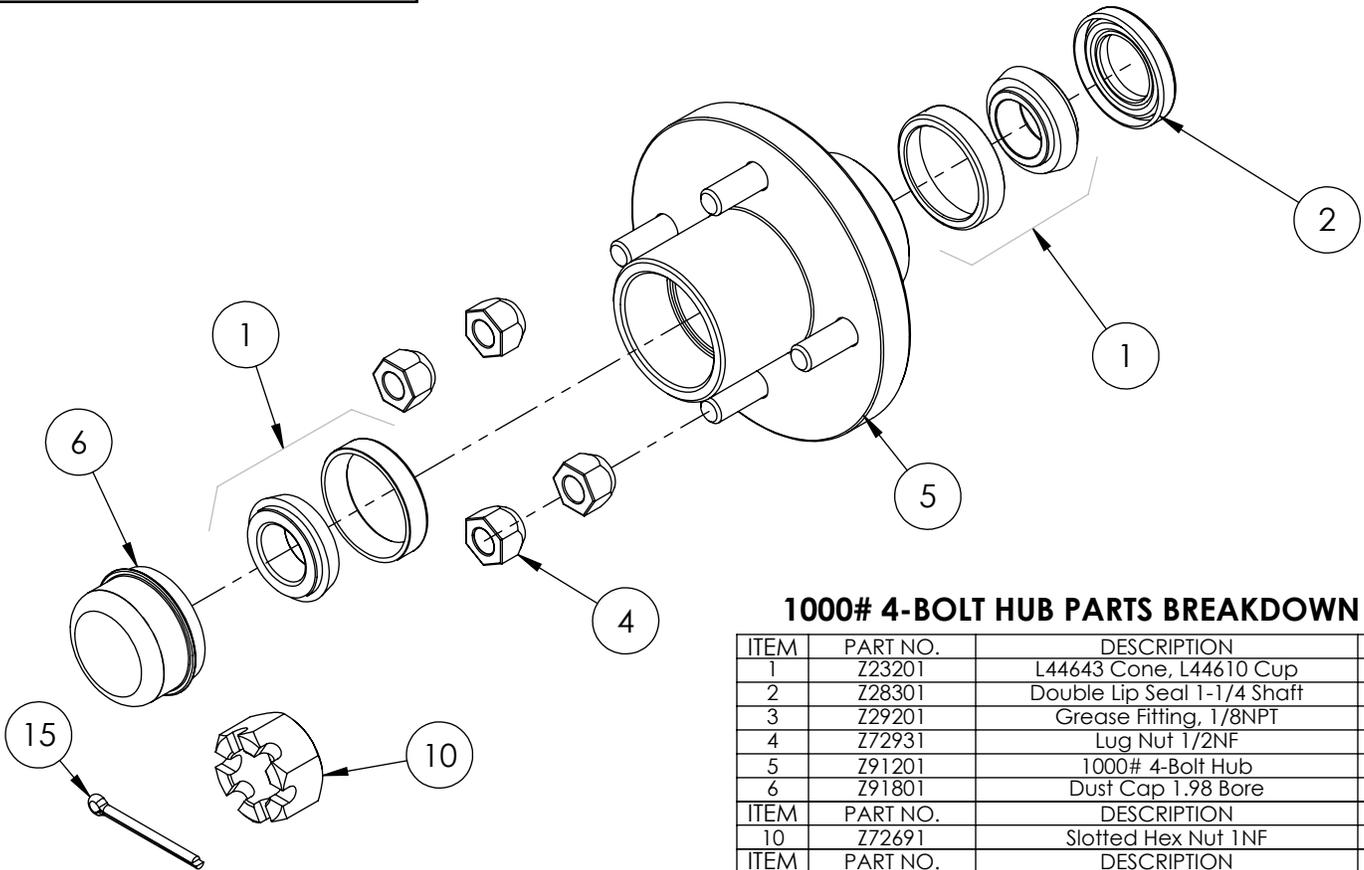
**Note:**  
**2089W104 Weldment Hitch**  
**Mount required for model**  
**WX520T**  
**replaces 2052W704**



**2089A100 ELEVATION KIT (Optional)**

ITEM	PART NO.	DESCRIPTION	QTY
1	Z76231	Carriage Bolt 3/8NC x 1	4
2	Z72231	Hex Lock Nut 3/8NC	4
3	2089W101	Weldment, Tank Spacer	1
4	2089W104	Weldment, Hitch Mount	1

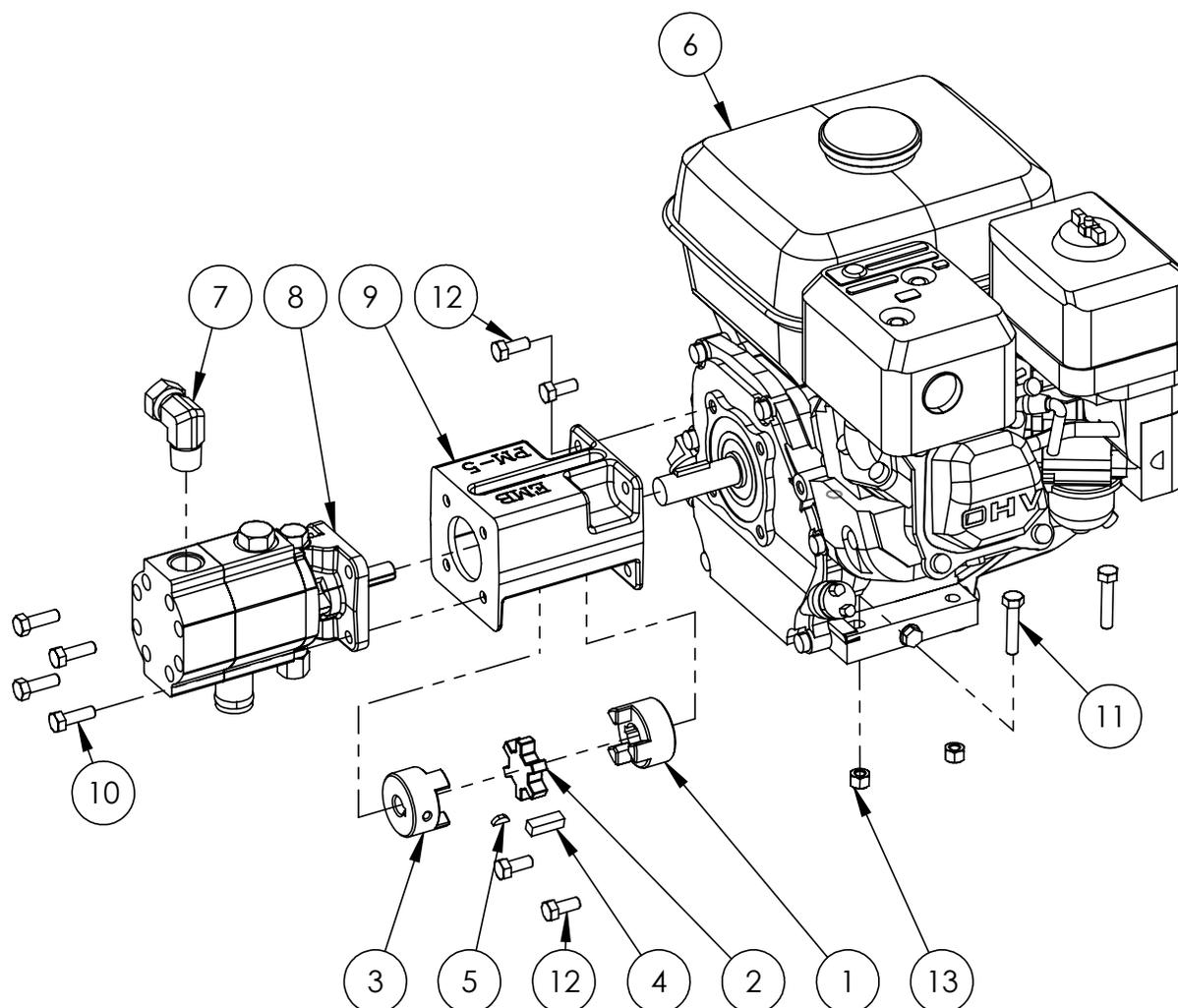
**Hub Assembly**



**1000# 4-BOLT HUB PARTS BREAKDOWN**

ITEM	PART NO.	DESCRIPTION	QTY
1	Z23201	L44643 Cone, L44610 Cup	2
2	Z28301	Double Lip Seal 1-1/4 Shaft	1
3	Z29201	Grease Fitting, 1/8NPT	1
4	Z72931	Lug Nut 1/2NF	4
5	Z91201	1000# 4-Bolt Hub	1
6	Z91801	Dust Cap 1.98 Bore	1
ITEM	PART NO.	DESCRIPTION	QTY
10	Z72691	Slotted Hex Nut 1NF	1
ITEM	PART NO.	DESCRIPTION	QTY
15	Z12322	Cotter Pin 3/16 X 2	1

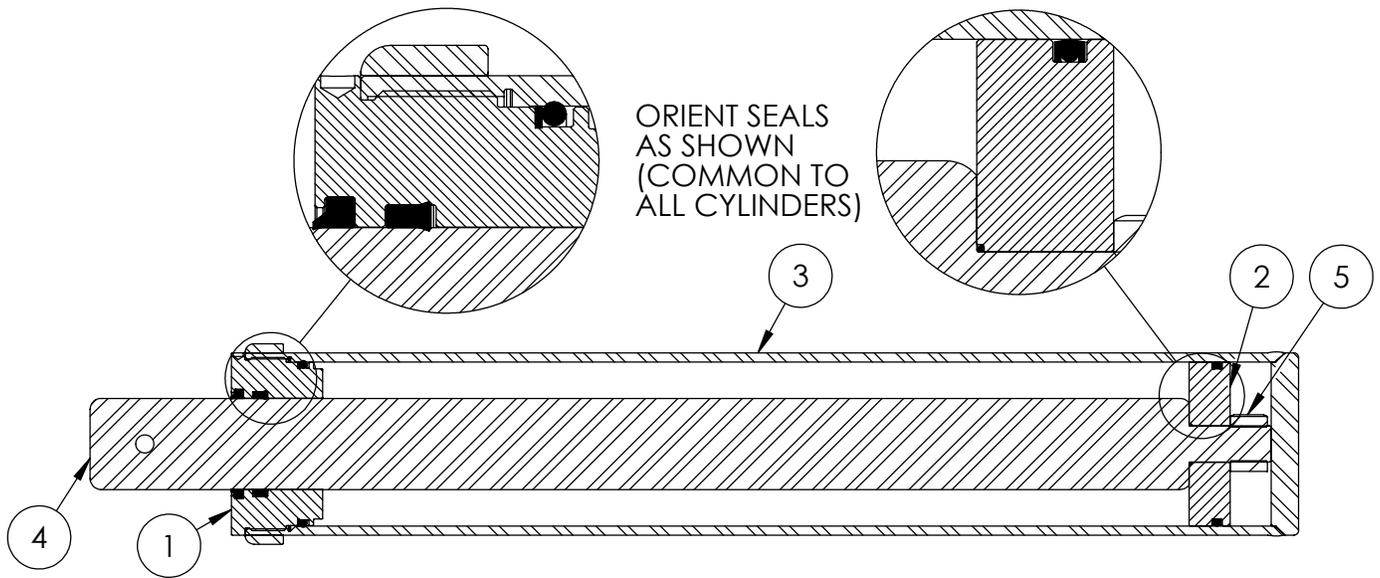
## Engine and Hydraulics Assembly



### 2063A106 PARTS BREAKDOWN

ITEM	PART NO.	DESCRIPTION	QTY
1	Z46406	Shaft Coupler L075 x 3/4	1
2	Z46408	Coupler Spider L075	1
3	Z46410	Shaft Coupler L075 x 1/2	1
4	Z46542	Key 5/16 x 5/16 x 1	1
5	Z46592	Woodruff Key, 1/8 x 1/2	1
6	Z47131	Honda GX200 Engine	1
7	Z51331	Elbow 90 MP x FPX 0808	1
8	Z53204	Pump, 11gpm Two-Stage	1
9	Z53801	Pump Mounting, PM-5	1
10	Z71207	Hex Bolt 5/16NC x 3/4	4
11	Z71215	Hex Bolt, 5/16NC x 1-1/2	4
12	Z71273	Hex Bolt, 5/16NF x 3/4	4
13	Z72221	Hex Lock Nut 5/16NC	4

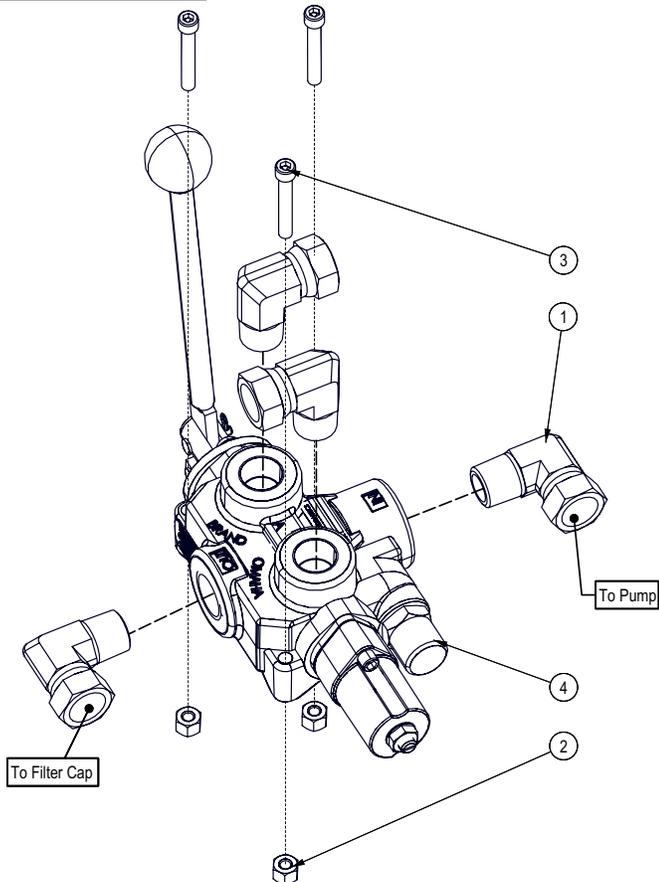
**Cylinder Assembly**



**4-1/2" WOODSPLITTER CYLINDER PARTS BREAKDOWN**

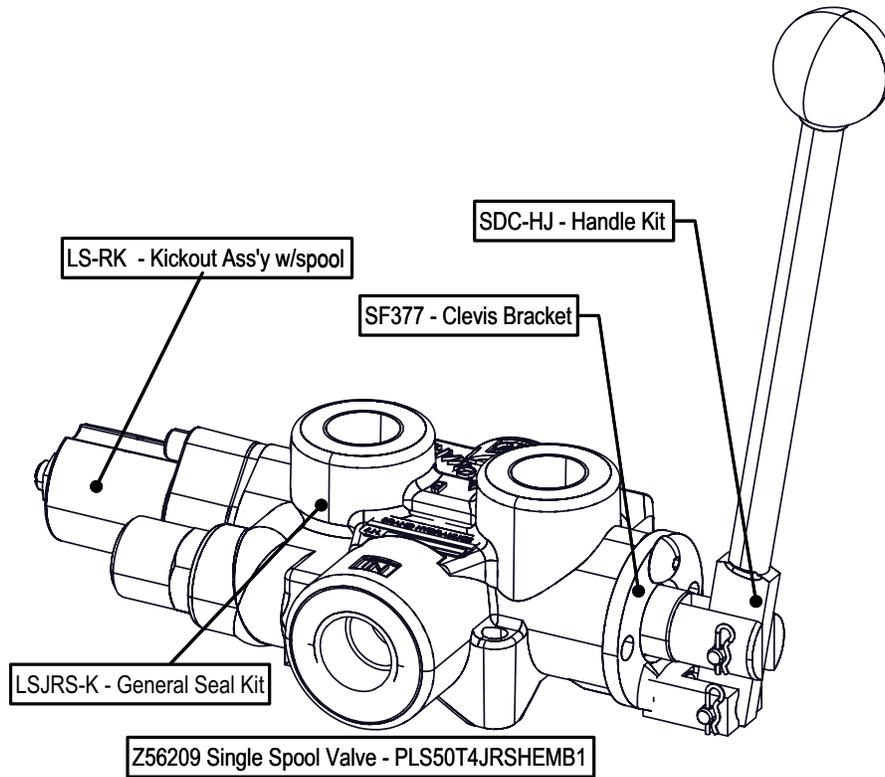
ITEM	PART NO.	DESCRIPTION	QTY
1	G450-250SA	4-1/2" Bore x 2-1/2" Rod Gland With Seals	1
2	P100-450SA	4-1/2" Bore Piston With Seals	1
3	2055C5014	Barrel, 4-1/2"	1
4	2055C5012	Rod, 2-1/2x 1	1
5	Z72292G8	Hex Lock Nut 1NF Grade 8	1
6	SLK-4525	Seal Kit, 4-1/2 x 2-1/2	1

**Valve Assembly**



BOM ID	Part No.	Description	Qty
1	Z51331	Elbow 90, MP x FPX 0808	4
2	Z72211	Hex Lock Nut, 1/4NC	3
3	Z75114	SHCS, 1/4NC x 1-3/4"	3
4	Z56209	Single Spool Valve, OC Tandem SCDK x 18GPM	1

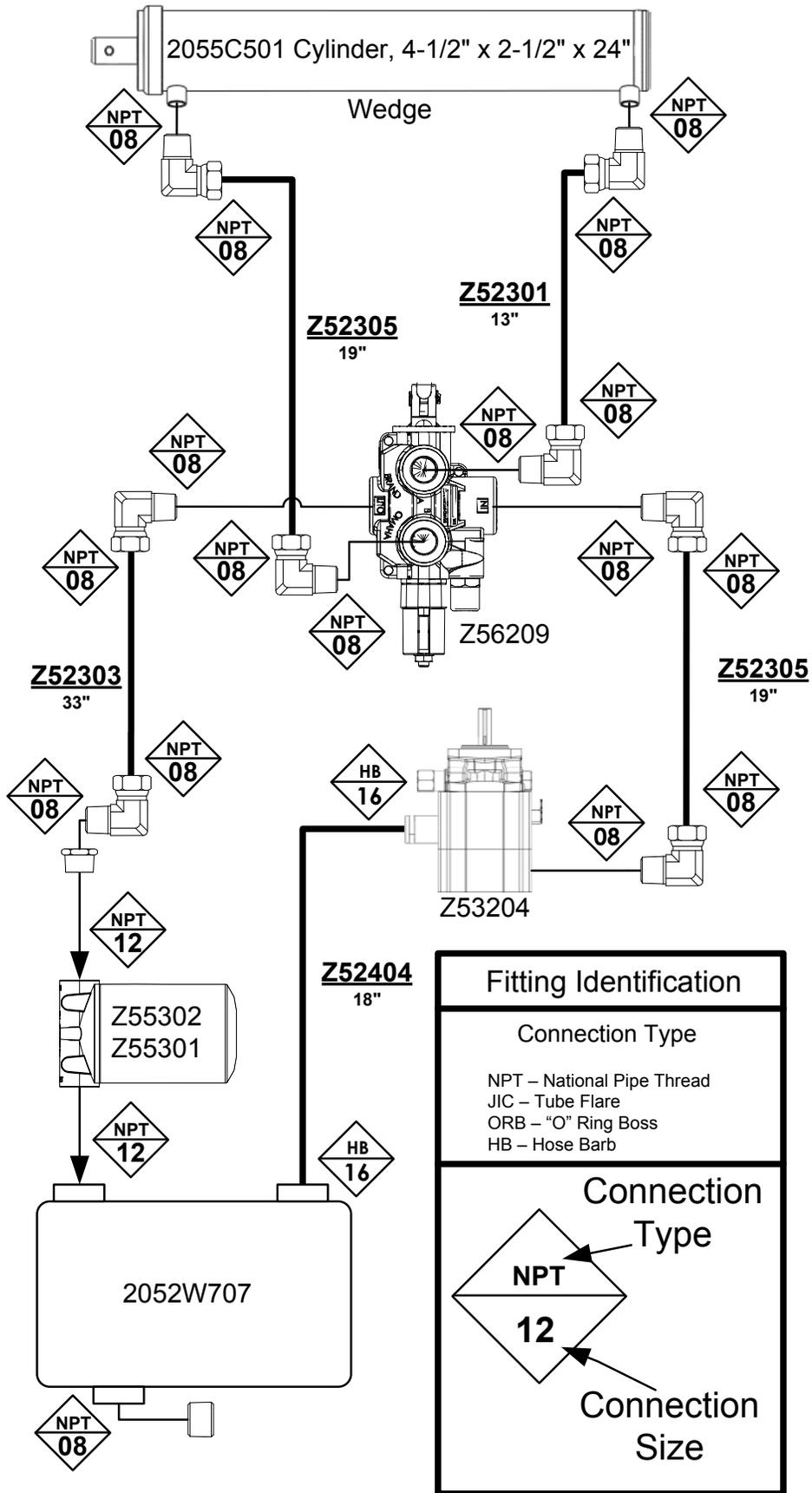
**Valve Seal Kit**



**Hydraulic Hose List**

Part No.	Description	Qty
Z52404	Suction Hose, 1 x 18	1
Z52301	1/2" Hose, MP08 x MP08 x 13	1
Z52303	1/2" Hose, MP08 x MP08 x 33	1
Z52305	1/2" Hose, MP08 x MP08 x 21	2

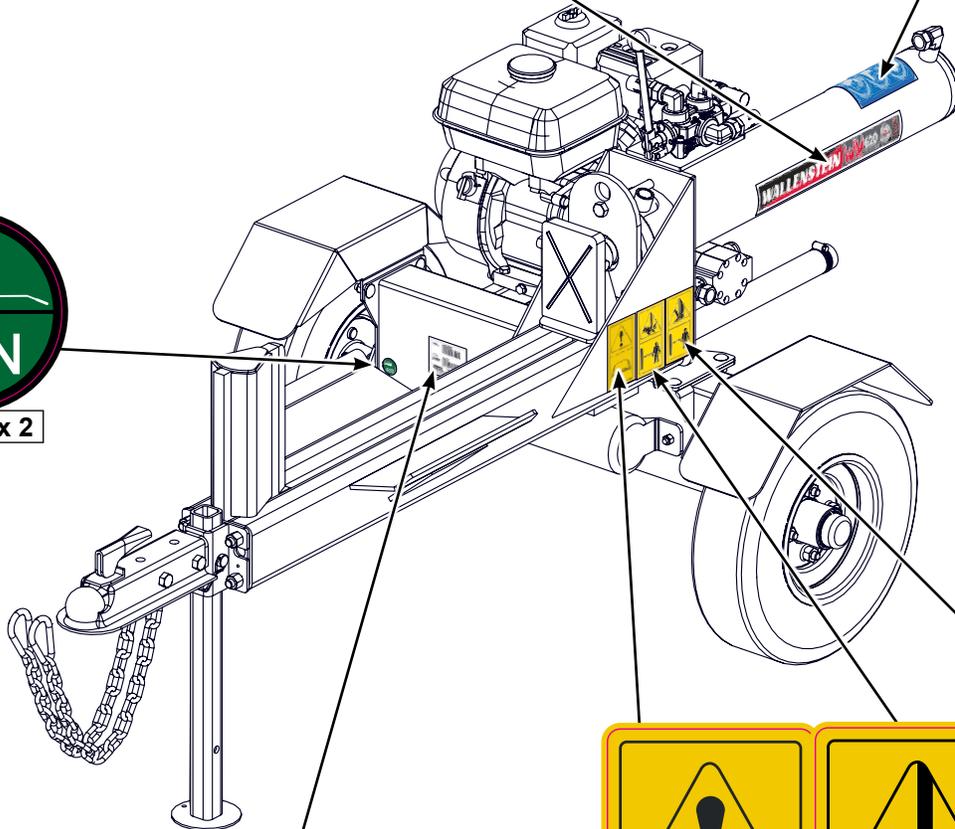
**Hydraulic Schematic**



Label Layout



WX620 Z94686 x 2



Serial Location



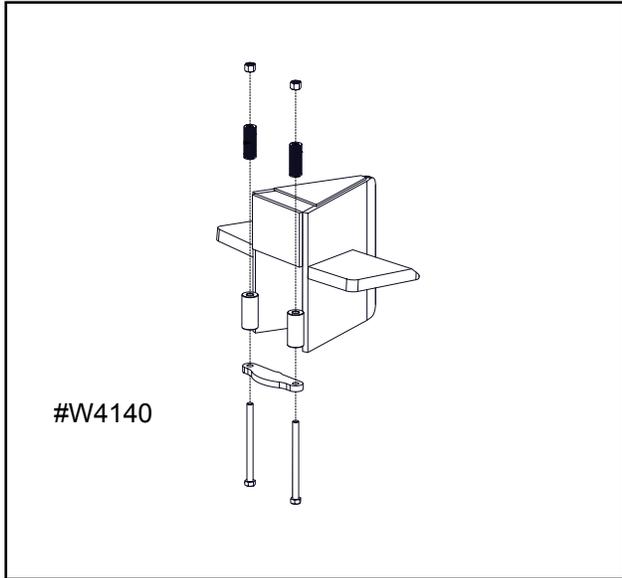
Z94119 x 2

Z94124 x 2

Z94123 x 2

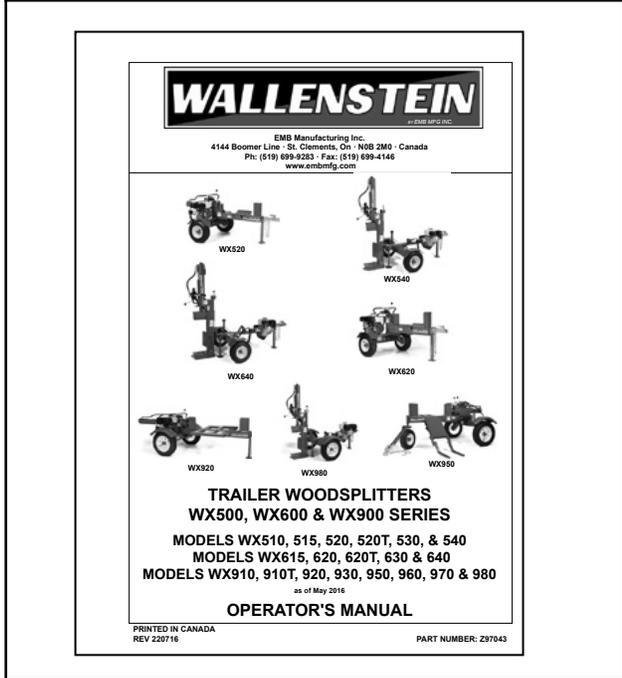
**Accessories**

Call your dealer for pricing and availability



**#W4140 4 Way Wedge**

Boost your productivity and make quick work out of logs by splitting four pieces at once. This is an ideal way to save time.



**#Z97043  
TRAILER WOODSPLITTER  
OPERATOR'S MANUAL**

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