



Illustrated Parts List

Pressure Washer / Lavadora de Presión



This pressure washer is rated in accordance to the Pressure Washer Manufacture Association (PWMA) Standard PW101 (Testing and Rating Performance of Pressure Washers).

Questions? Help is just a moment away!
Preguntas? La ayuda es justa un momento lejos!
Call: Pressure Washer Helpline

Llame: Línea Directa del Lavadora a Presión - 1-800-743-4115 M-F 8-5 CT

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Model / Modelo

Mfg. No.	Description / Descripción
020454-0	3,800 PSI Power Boss

Manual Part No. 312623

Revision B

Rev. Date: 10/13/2010

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Reproduction

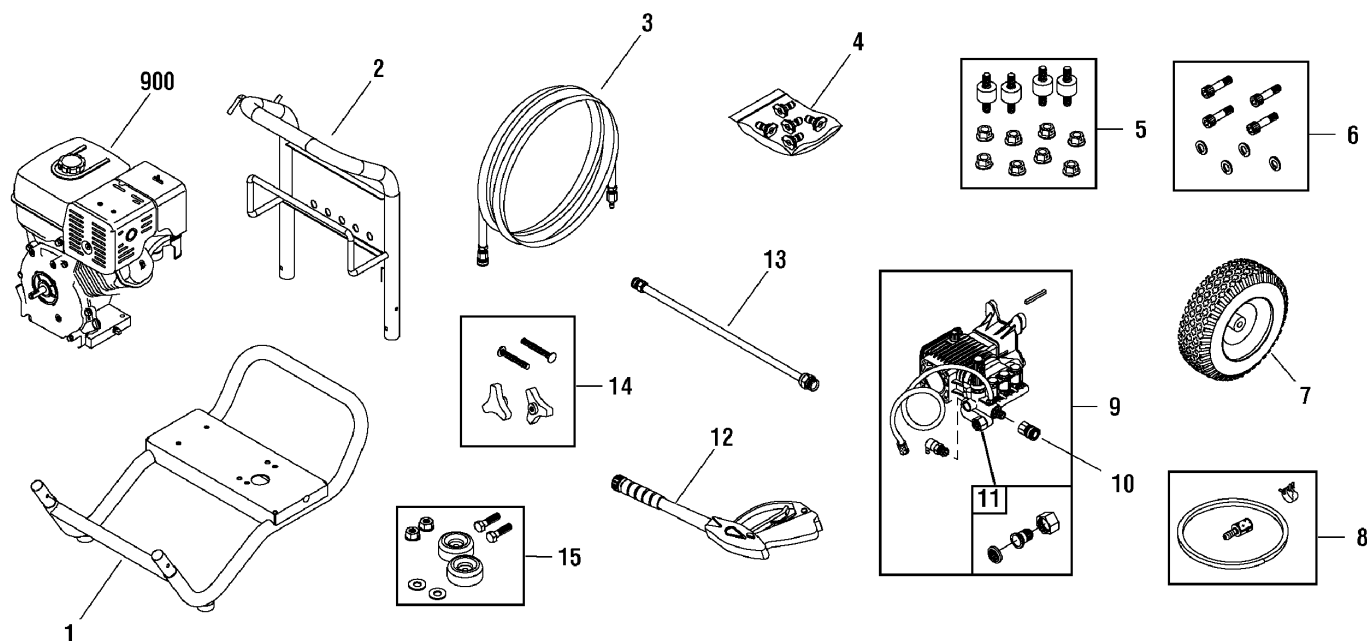
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Main Unit

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

312165S



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
1	208726GS	BASE	11	199310GS	ADAPTER, Garden Hose
2	312712ZGS	HANDLE	12	199956GS	GUN
3	205734GS	HOSE	13	193814GS	EXTENSION, QC
4	196233GS	KIT, QC Nozzles	14	B2203GS	KIT, Hardware, Handle
--	195983AGS	NOZZLE, QC, Red	15	192310GS	MOUNT, Vibration
--	195983BGS	NOZZLE, QC, Yellow	900	----	* ENGINE
--	195983CGS	NOZZLE, QC, Green	--	312143GS	MANUAL, Operator's (Not Illustrated)
--	195983DGS	NOZZLE, QC, White	--	191267RGS	AXLE (Not Illustrated)
--	195846ZZGS	NOZZLE, QC, Black	--	191265GS	E-RING (Not Illustrated)
5	195294GS	KIT, Hardware, Engine Mounting	--	30809GS	GROMMET (Not Illustrated)
6	192132GS	KIT, Hardware, Pump Mounting	--	BB3061BGS	OIL (Not Illustrated)
7	312774GS	WHEEL	--	208538GS	DECAL, Warning Spark (Not Illustrated)
8	192796GS	HOSE, Chemical	--	209697GS	DECAL, Max PSI (Not Illustrated)
9	203046GS	PUMP			
--	208673GS	VALVE, Thermo Relief			
--	63281GS	KEY			
10	95458GS	FITTING			

Footnotes

*Contact Engine Manufacturer for parts and service.

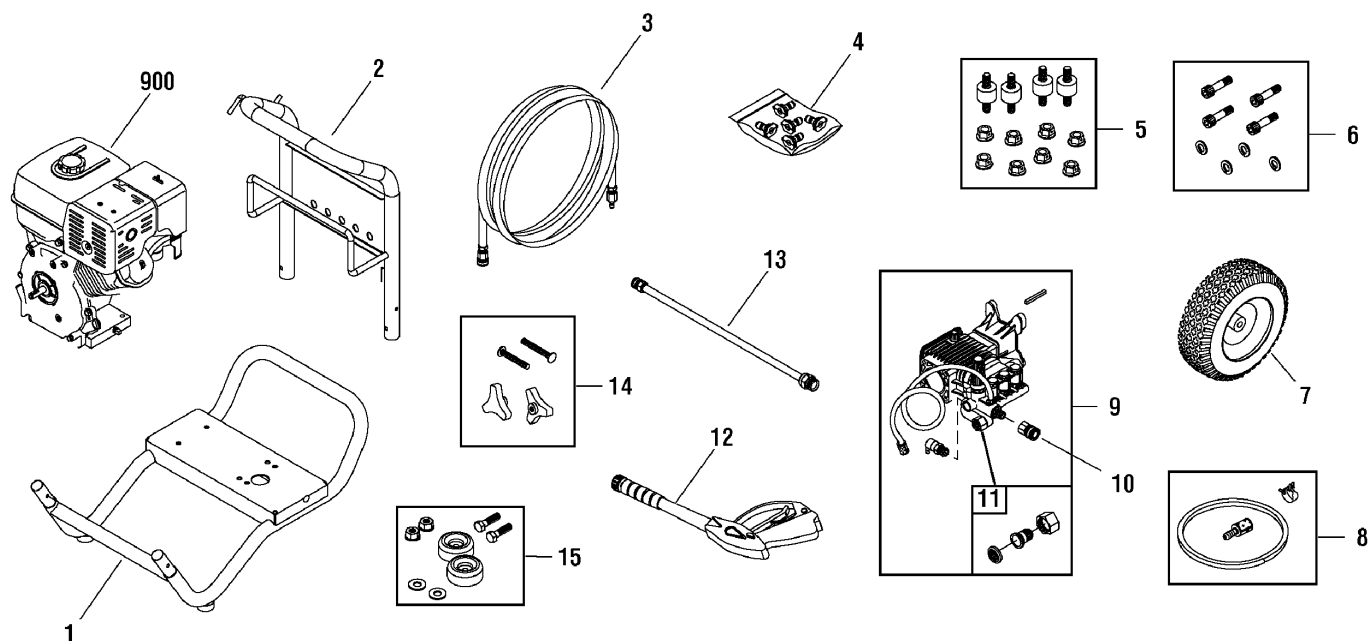
The above parts group applies to the following Mfg. Nos.:

020454-0 - 3,800 PSI Power Boss

Main Unit

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

312165S



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
--	194256GS	TAG, Warning (Not Illustrated)			
--	6039	PUMP SAVER (Optional Accessory)			
--	6048	KIT, O-Ring Maintenance (Optional Accessory)			

Footnotes

*Contact Engine Manufacturer for parts and service.

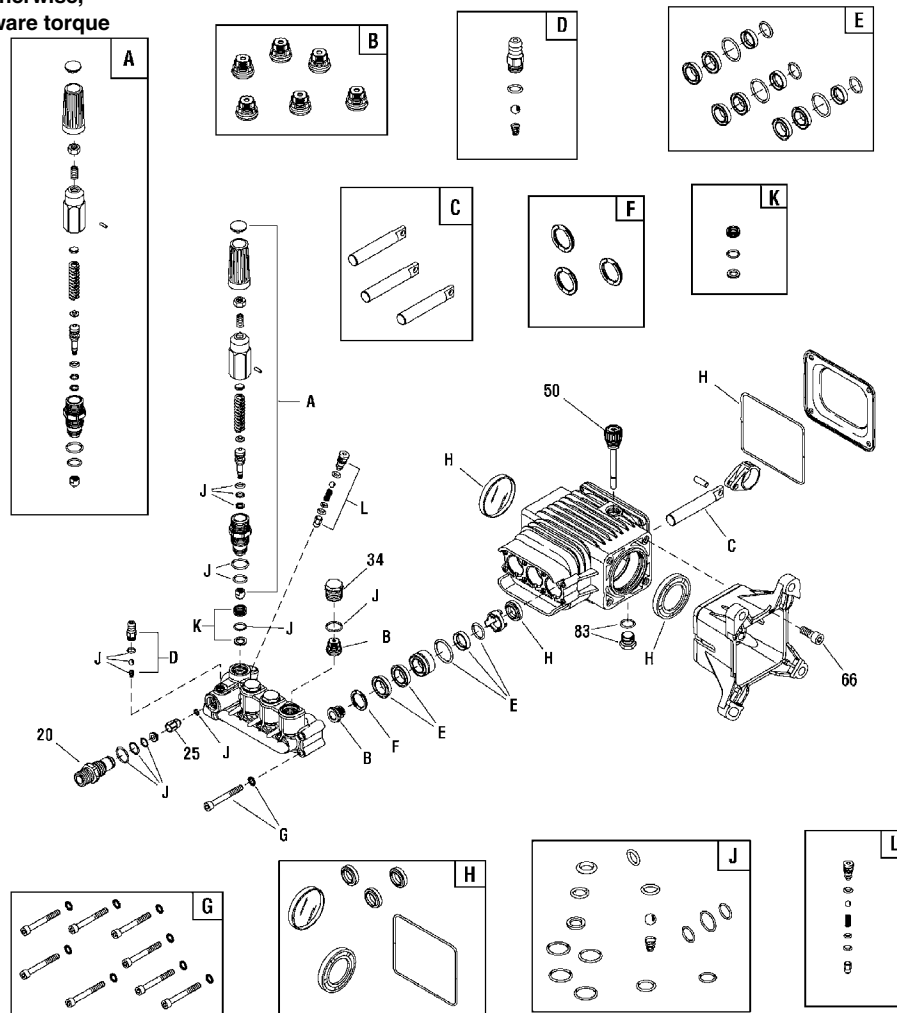
The above parts group applies to the following Mfg. Nos.:

020454-0 - 3,800 PSI Power Boss

Pump

202026srv

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
20	198851GS	INJECTOR, Detergent	--	B2384GS	FILTER, Garden Hose
25	204860GS	JET	--	208673GS	VALVE, Thermal Relief
34	198850GS	PLUG	--	6039	PUMP SAVER
50	198849GS	DIPSTICK	--	6033	OIL
66	198297GS	SCREW			
83	203034GS	PLUG, Drain			
A	198736GS	KIT, Unloader			
B	202799GS	KIT, Check Valve			
C	198844GS	KIT, Piston			
D	192914GS	KIT, Chemical Injection			
E	198845GS	KIT, Water Seal			
F	198848GS	KIT, Support Ring			
G	198852GS	KIT, Hardware			
H	198846GS	KIT, Oil Seals			
J	198847GS	KIT, O-Ring Maintenance			
K	202902GS	KIT, Unloader Seat			
L	202800GS	KIT, Unloader			

Footnotes

The above parts group applies to the following Mfg. Nos.:

020454-0 - 3,800 PSI Power Boss

Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$)

Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

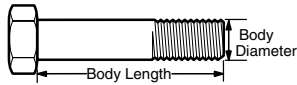
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread
Diameter (mm)
Inside Diameter (in)
Threads
per inch

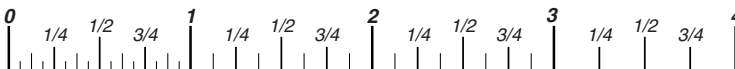
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm)
Body Diameter
Distance between threads (mm)
Threads per inch
Body Length (mm)
Body Length (in)

Screw, 1/2- 16 x 2



Standard Hardware Sizing

When a washer or nut is identified as **1/2"** (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

When bolt or capscrew is identified as **1/2 - 16 x 2"** (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (1.25 thread diameter). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

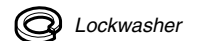
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



Hex Nut

Wrench & Fastener Size Guide

 1/4" Bolt or Nut Wrench—7/16"	 5/16" Bolt or Nut Wrench—1/2"	 3/8" Bolt or Nut Wrench—9/16"	 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"	 1/2" Bolt or Nut Wrench—3/4"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm



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