

ITEM	PART NO.	DESCRIPTION	QTY
1	7107021	WS3500 FRAME, SVC ASSY	1
1.1	7103771	FRAME, WS3500	1
1.2	7105247	SUB-FRAME, WS3500	1
1.3	7105253	HANDLE, REAR WATER SHOT	1
1.4	7105248	HANDLE, FRONT WATER SHOT	1
1.5	7104734	BRACKET, FOOT WS SERIES	1
1.6	7104854	INSERT, HANDLE	8
† 1.7		BOLT, 5/16"-18 x 2 1/2"	4
† 1.8		WASHER, 5/16"	16
† 1.9		NUT, 5/16"-18 NYLOCK	8
† 1.10		BOLT, 5/16"-18 x 2 1/4"	4
2	7106950	WHEEL KIT, WS SERIES	1
2.1	7101405	WHEEL, LARGE MAG	2
2.2	7104152	COLLAR, LOCK	2
2.3	7100715	3/4"-16 NYLON INSERT LOCK NUT	2
2.4	7100069	BALL BEARING, 3/4"	2
3	7106951	FOOT KIT, WS SERIES SPRING	2
3.1	7101156	SHOE SLEEVE	1
3.2	7101125	RUBBER FOOT	1
3.3	7101157	SPRING SLEEVE	1
3.4	7101169	SPRING, WS SERIES FOOT	1
3.5	7101524	HOUSING, FOOT SPRING	1
3.6	7100389	GROMMET, 7/16" RUBBER	1
† 3.7		NUT, 5/16"-18 NYLOCK	1
† 3.8		WASHER, 5/16" FENDER	1
† 3.9		BOLT, 5/16"-18 x 3"	1
4	100285	ENGINE, HONDA GX390	1
4.1	7100522	KEY, 5HP ELECTRIC & LG GAS 1/4" x 1 3/4"	1
5	7106952	MOUNTING KIT, WS5040 ENGINE	1
5.1	7100101	ENGINE ADJUSTING BLOCK	1
† 5.2		BOLT, 1/4"-28 x 1 1/2"	2
† 5.3		WASHER, 1/4" FLAT	4
† 5.4		NUT, LOCK 1/4"-28 NYLOCK	2
† 5.5		BOLT, 3/8"-16 x 3 1/2"	1
† 5.6		WASHER .38 x .63 x .06	1
† 5.7		NUT, 3/8-16	2
† 5.8		BOLT, 3/8"-24 x 2"	4
† 5.9		NUT, 3/8"-24 NYLOCK	4
† 5.10		WASHER 3/8 x 1.00 OD	8
† 5.11		WASHER, 5/16" FENDER	1
† 5.12		WASHER, RUBBER BUMPER	1
† 5.13		BOLT, 5/16"-24 x 1 1/4"	1
6	7107022	GP PUMP, SVC ASSY WS3500	1
6.1	7101029	TS1811 GENERAL PUMP	1
6.2	7200103	ELBOW, 1/2" 90° ST.	1
6.3	7101999	3/4" GARDEN HOSE INLET	1
6.4	7100814	PLUG, 1/4" HEX-HEAD	1
6.5	7101340	RELIEF VALVE, 3/8" NPTM @ 4000PSI	1
6.6	7100287	ELBOW, 3/8" NPTM x 3/8" NPTF	1
6.7	7101331	RELIEF VALVE, 1/2" NPTM THERMAL	1
6.8	7100603	NIPPLE, 1/4" x 2 1/2"	1
6.9	7101263	TEE, 1/2" NPTF	1
6.10	7102405	ADAPTER 1/2" NPTM x 5/8"-45° FLARED	1
6.11	7104717	FITTING, 5/8" HB X 5/8" NPFT	1
6.12	7101037	PUMP BUMPER	1

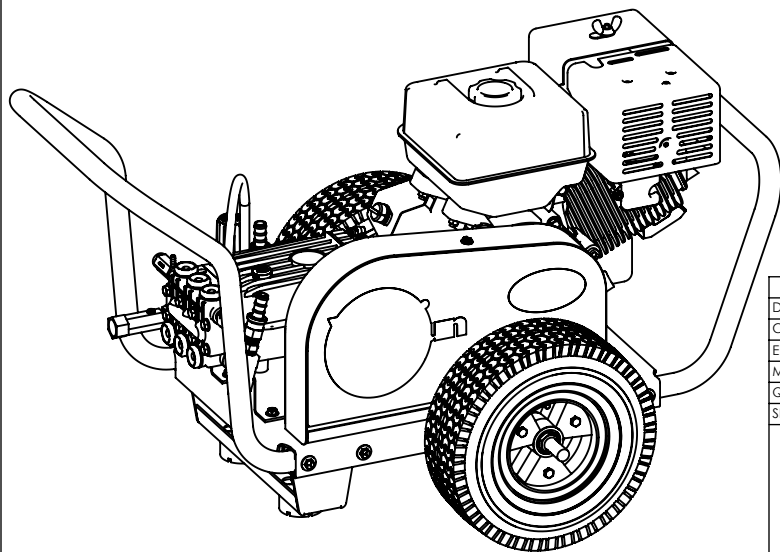
ITEM	PART NO.	DESCRIPTION	QTY
7	7106955	MOUNTING KIT, WS5040 PUMP	1
7.1	7104730	BRACKET, LARGE PUMP MOUNTING	1
† 7.2		BOLT, 5/16"-18 x 1"	4
† 7.3		WASHER, FLAT 5/16"	4
† 7.4		WASHER, FENDER	4
† 7.5		NUT, 5/16"-18 NYLOCK	4
† 7.6		BOLT, M10-1.5 x 18MM	4
8	7107023	UNLOADER, SVC ASSY WS3500	1
8.1	7105891	UNLOADER, PULSAR4KHPEZ	1
8.2	7101079	COUPLER, 3/8" QC-M x 3/8" NPTM	1
8.3	7100287	ELBOW, 3/8" NPTM x 3/8" NPTF	2
8.4	7200032	ADAPTOR 5/8" FLARE x 3/8" M	1
8.5	7104717	FITTING, 5/8" HB X 5/8" NPFT	1
8.6	7101604	REDUCER, 3/8" NPTM x 1/4" NPTF	1
8.7	7100157	BRACKET, UNLOADER VALVE	1
8.8	7100160	BRACKET, UNLOADER	1
† 8.9		BOLT, 5/16"-18 x 3/4"	2
† 8.10		WASHER, FLAT 5/16"	4
† 8.11		NUT, 5/16"-18 NYLOCK	2
† 8.12		BOLT, 1/4"-20 x 1"	4
† 8.13		WASHER, 1/4" FLAT	8
† 8.14		NUT, 1/4"-20 NYLOCK	4
9	7107024	BELT-GUARD, SVC ASSY WS3500	1
9.1	7106050	BELT GUARD, 19" BACK PLATE	1
9.2	7100083	BELT-GUARD, WS3500 FRONT	1
9.3	7104617	BRACKET (B BLACK)	1
9.4	7100389	GROMMET, 7/16" RUBBER	2
† 9.5		BOLT, 5/16" - 18 x 1 1/4"	2
† 9.6		WASHER, 5/16"	4
† 9.7		NUT, 5/16"-18 NYLOCK	2
† 9.8		NUT, CLINCH, 1/4"-20	1
† 9.9		RIVET, AN430-A4-6 ALUMINUM	3
† 9.10		BOLT, 1/4"-20 x 1"	1
† 9.11		WASHER, 1/4" FLAT	1
10	7106959	TENSIONER KIT, WS5040 PUMP SPRING	1
10.1	7101170	SPRING, BELT GUARD TENSIONER	1
10.2	7104877	SPACER, SPRING LOCATOR	1
10.3	7100719	NUT SPRING EYE	1
† 10.4		SCREW, 10-32 X .50 PAN HEAD PHILLIPS	1
† 10.5		BOLT, M6 x 1 x 40MM	1
11	7107025	NOZZLE KIT, 5PC WS3500	1
11.1	7100389	GROMMET, 7/16" RUBBER	4
11.2	7101683	NOZZLE SET, 4.0 5PC 1/4" QC-M	1
12	7101001	PULLEY 2 3V3-90 X H	1
13	7103639	PULLEY 23V925H	1
14	7100174	BUSHING, H x 24MM	1
15	7100173	BUSHING, H x 1	1
16	7100091	BELT, 3V x 425	2
17	7103245	HOSE, 3/8" x 20" SWVL	1
18	7100393	SPRAY GUN 5000PSI @ 10GPM	1
19.1	7100551	LANCE, 48" INSULATED	1
19.2	7100021	COUPLER, 1/4" QC-F x 1/4" NPTF	1
* 19.3	7100018	SOCKET, O-RING SEAL	1
20	7100477	HOSE, 3/8" x 50' x 5000PSI RUBBER	1
21	7103709	KIT, CHEMICAL INJECTOR	1
* 22	7106053	MANUAL, WATER SHOTGUN SERIES	1
* 23	7103759	BOX, 48 1/4" x 28 3/8" x 26 3/4"	1

*

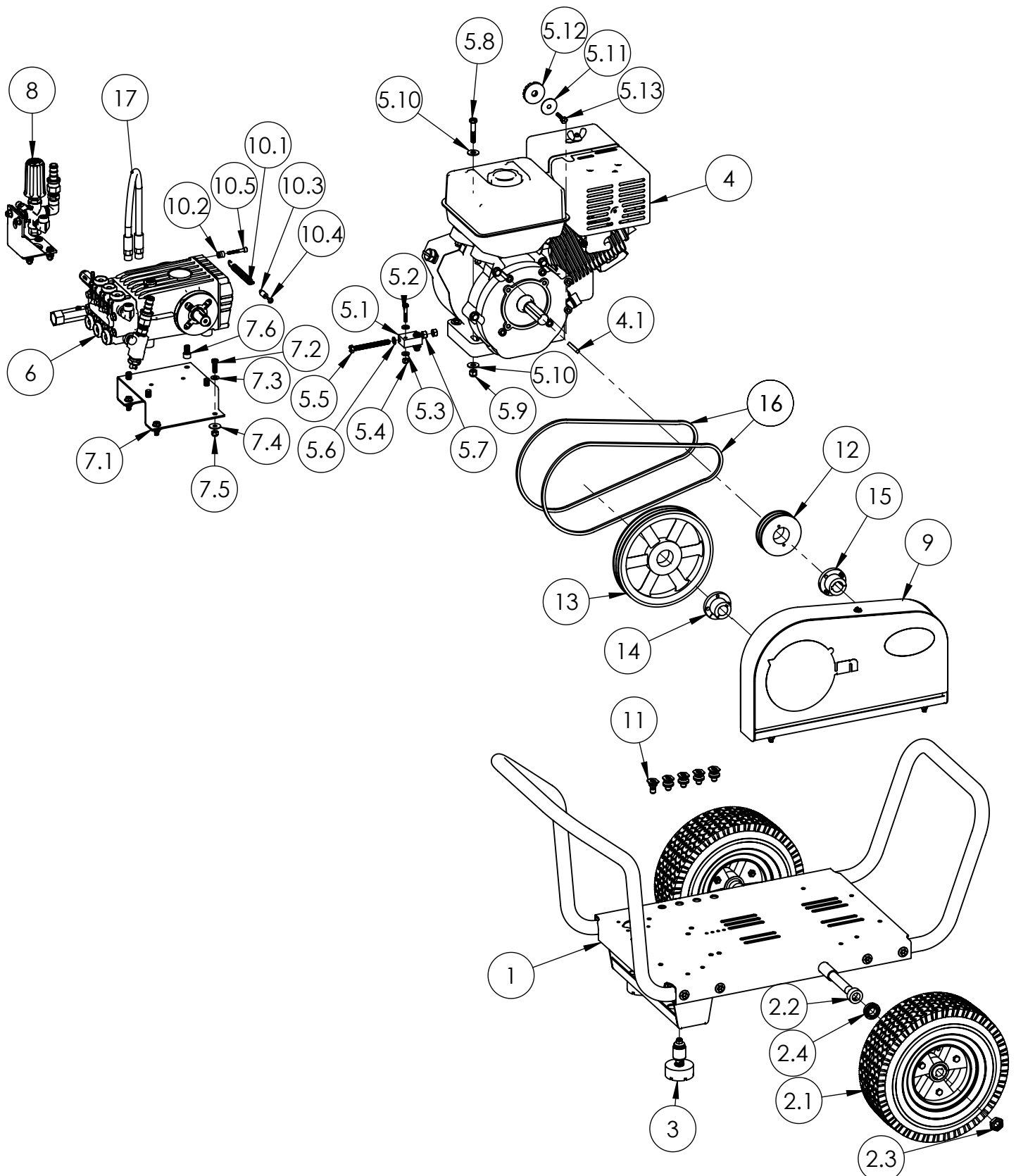
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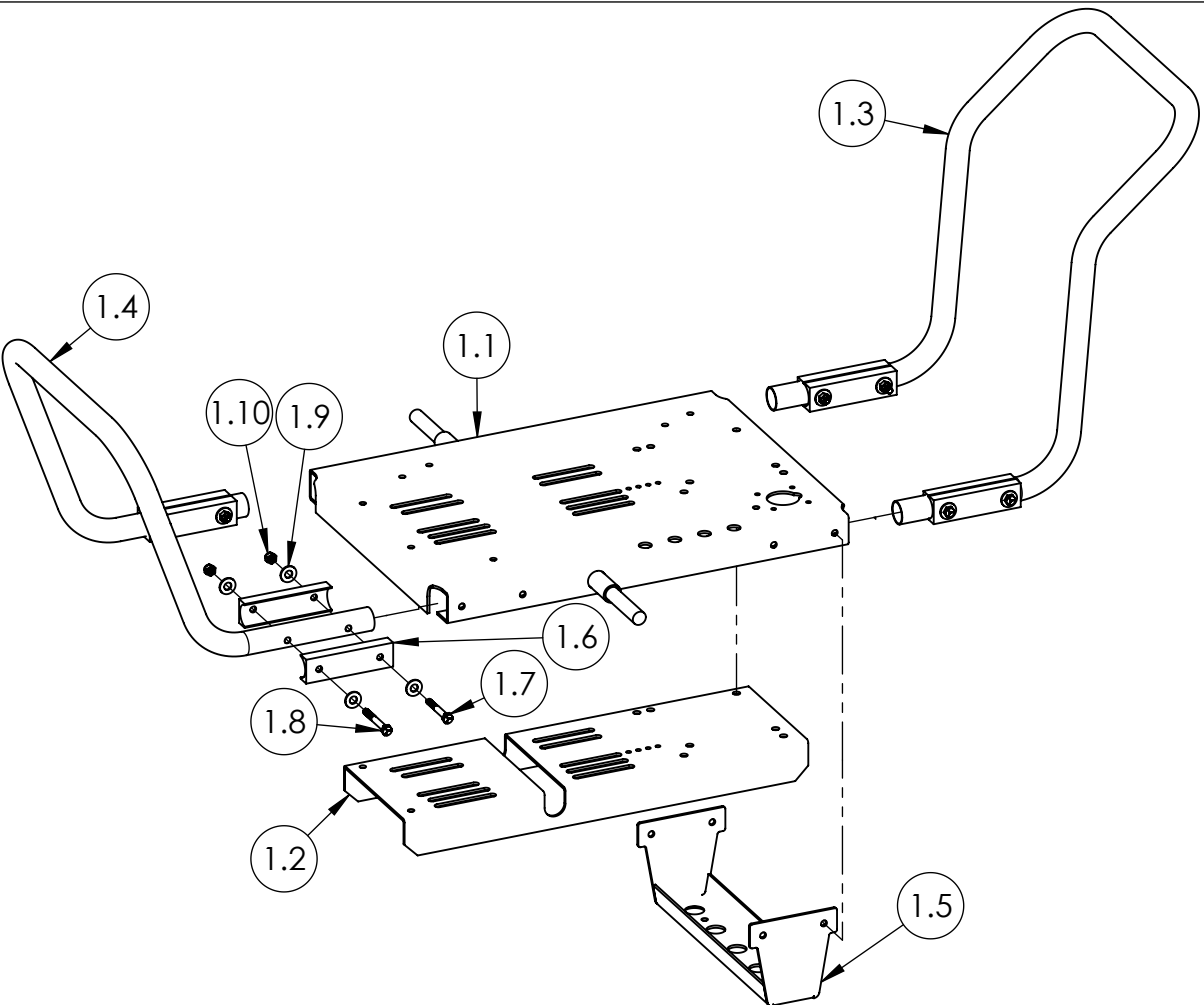
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NOT SOLD SEPERATELY



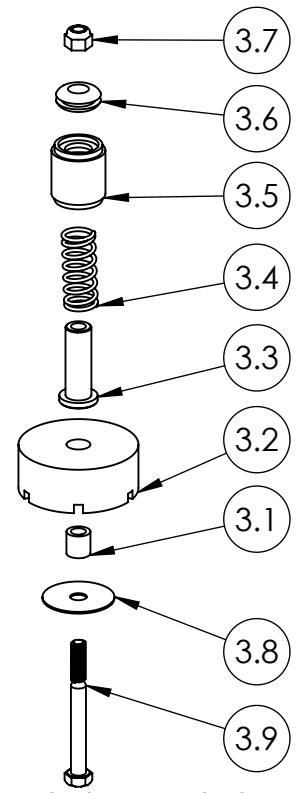
NAME			DATE	
DRAWN	TV		6/24/2013	
CHECKED	MG		7/29/2013	
ENG APPR.	SW		7/29/2013	
MFG APPR.	-		-	
Q.A. APPR.	JP		7/29/2013	
SERVICE APPR.	DH		7/29/2013	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FNA-GROUP. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FNA-GROUP IS PROHIBITED.				
FNA-GROUP 1265 INDUSTRIAL STREET, DECATUR, AR 72722				
TITLE: WS 3500, WATER SHOTGUN				
SIZE	DWG. NO.	REV.		
A	60248-S & 60679-S	A		
SCALE: 1:1	ECN#	DC13-0164	SHEET 1 OF 7	





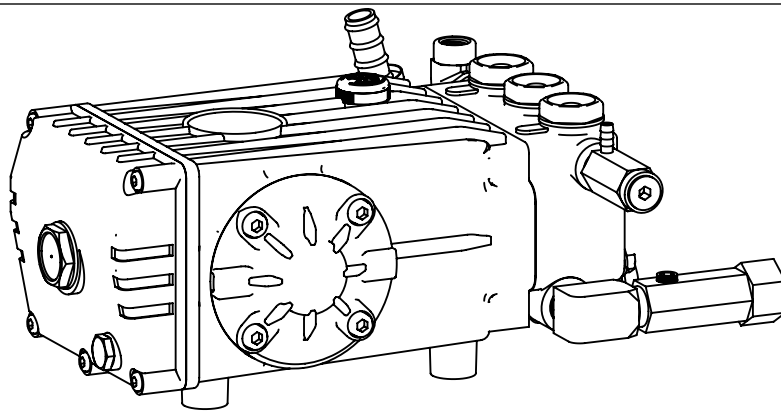
FRAME, SVC ASSY WS3500
PART NO. 7107021

ITEM	PART NO.	DESCRIPTION	QTY
1.1	7103771	FRAME, WS3500	1
1.2	7105247	SUB-FRAME, WS3500	1
1.3	7105253	HANDLE, REAR WATER SHOT	1
1.4	7105248	HANDLE, FRONT WATER SHOT	1
1.5	7104734	BRACKET, FOOT WS SERIES	1
1.6	7104854	INSERT, HANDLE	8
1.7		BOLT, 5/16"-18 x 2 1/4"	4
1.8		BOLT, 5/16"-18 x 2 1/2"	4
1.9		WASHER, 5/16"	16
1.10		NUT, 5/16"-18 NYLOCK	8

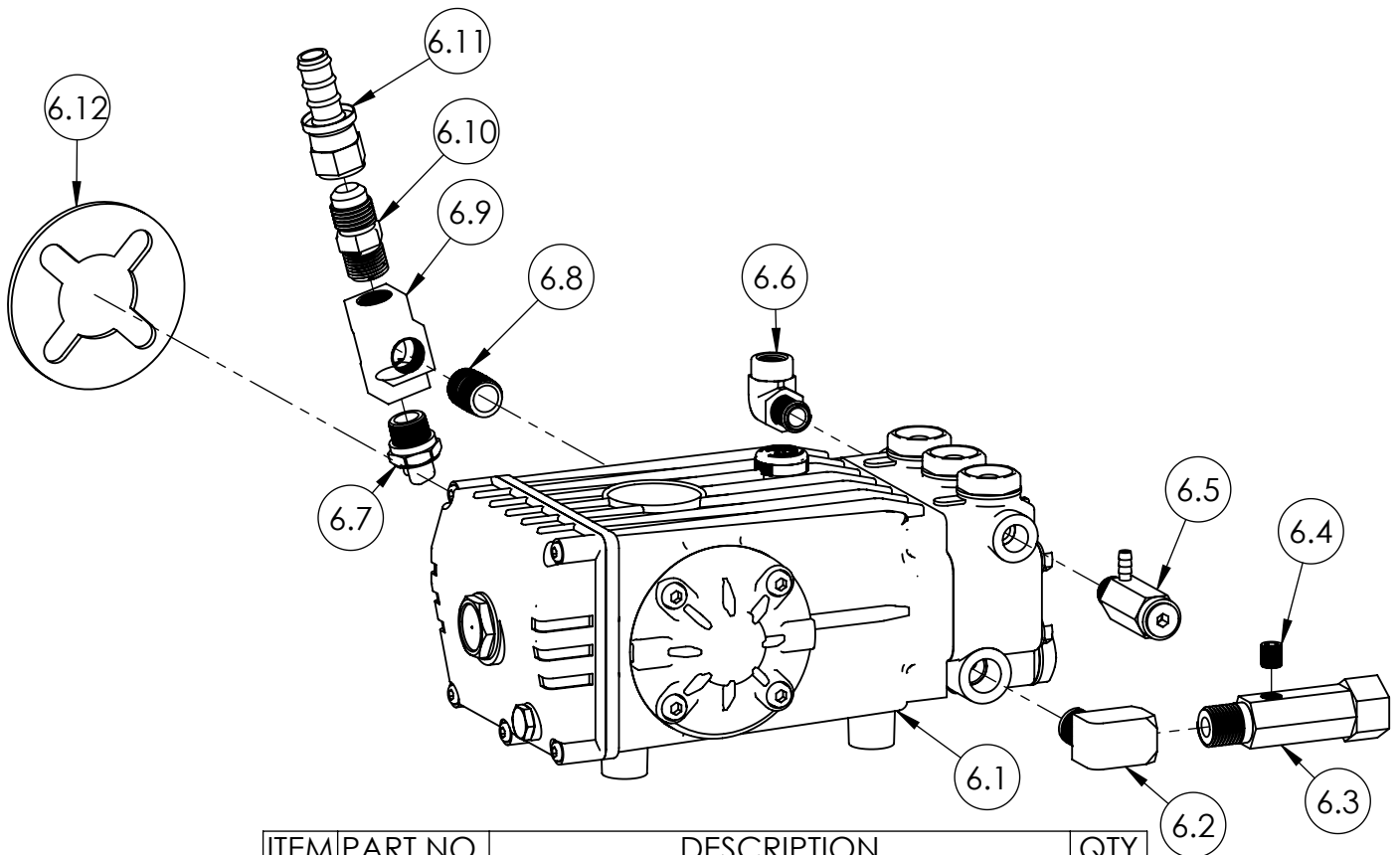


FOOT KIT, WS SERIES SPRING
PART NO. 7106951

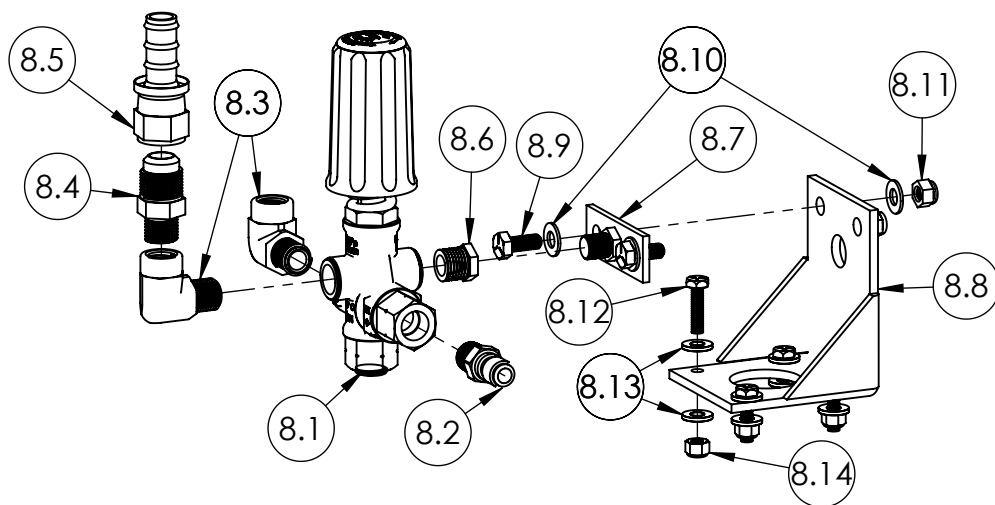
ITEM	PART NO.	DESCRIPTION	QTY
3.1	7101156	SHOE SLEEVE	1
3.2	7101125	RUBBER FOOT	1
3.3	7101157	SPRING SLEEVE	1
3.4	7101169	SPRING, WS SERIES FOOT	1
3.5	7101524	HOUSING, FOOT SPRING	1
3.6	7100389	GROMMET, 7/16" RUBBER	1
3.7		NUT, 5/16"-18 NYLOCK	1
3.8		WASHER, 5/16" FENDER	1
3.9		BOLT, 5/16"-18 x 3"	1



GP PUMP, SVC ASSY WS3500 PART NO. 7107022

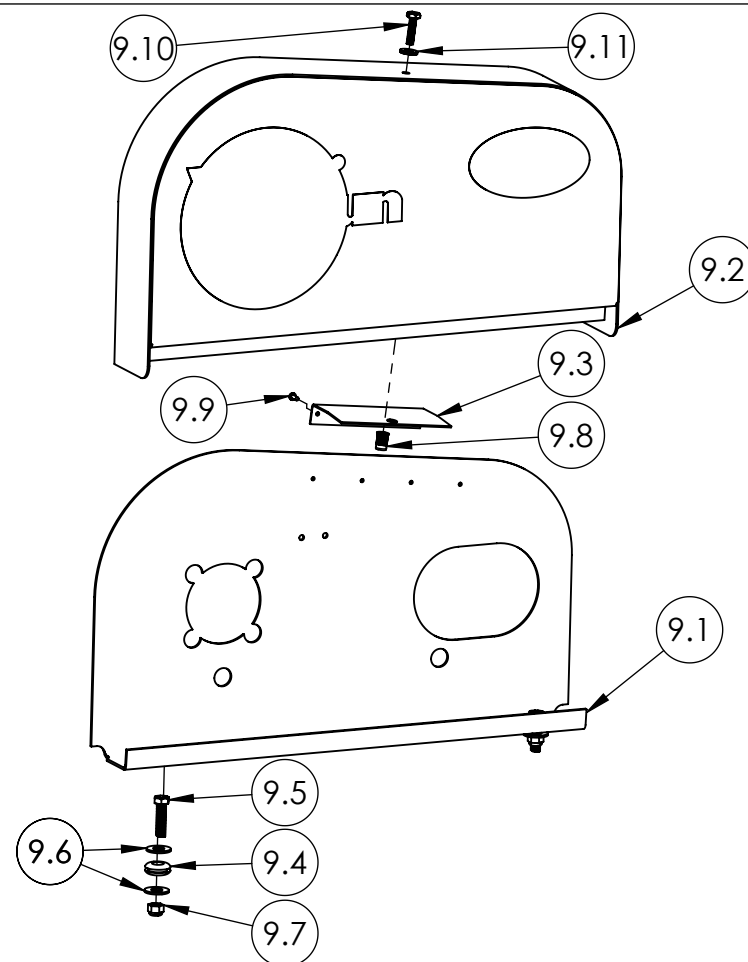


ITEM	PART NO.	DESCRIPTION	QTY
6.1	7101029	TS1811 GENERAL PUMP	1
6.2	7200103	ELBOW, 1/2" 90° ST.	1
6.3	7101999	3/4" GARDEN HOSE INLET	1
6.4	7100814	PLUG, 1/4" HEX-HEAD	1
6.5	7101340	RELIEF VALVE, 3/8" NPTM @ 4000PSI	1
6.6	7100287	ELBOW, 3/8" NPTM x 3/8" NPTF	1
6.7	7101331	RELIEF VALVE, 1/2" NPTM THERMAL	1
6.8	7100603	NIPPLE, 1/4" x 2 1/2"	1
6.9	7101263	TEE, 1/2" NPTF	1
6.10	7102405	ADAPTER 1/2" NPTM x 5/8"-45° FLARED	1
6.11	7104717	FITTING, 5/8" HB X 5/8" NPFT	1
6.12	7101037	PUMP BUMPER	1



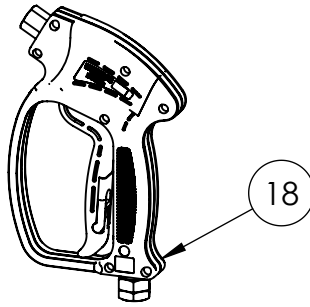
UNLOADER, SVC ASSY WS3500
PART NO. 7107023

ITEM	PART NO.	DESCRIPTION	QTY
8.1	7105891	UNLOADER, PULSAR4KHPEZ	1
8.2	7101079	COUPLER, 3/8" QC-M x 3/8" NPTM	1
8.3	7100287	ELBOW, 3/8" NPTM x 3/8" NPTF	2
8.4	7200032	ADAPTOR 5/8" FLARE x 3/8" M	1
8.5	7104717	FITTING, 5/8" HB X 5/8" NPFT	1
8.6	7101604	REDUCER, 3/8" NPTM x 1/4" NPTF	1
8.7	7100157	BRACKET, UNLOADER VALVE	1
8.8	7100160	BRACKET, UNLOADER	1
8.9		BOLT, 5/16"-18 x 3/4"	2
8.10		WASHER, FLAT 5/16"	4
8.11		NUT, 5/16"-18 NYLOCK	2
8.12		BOLT, 1/4"-20 x 1"	4
8.13		WASHER, 1/4" FLAT	8
8.14		NUT, 1/4"-20 NYLOCK	4

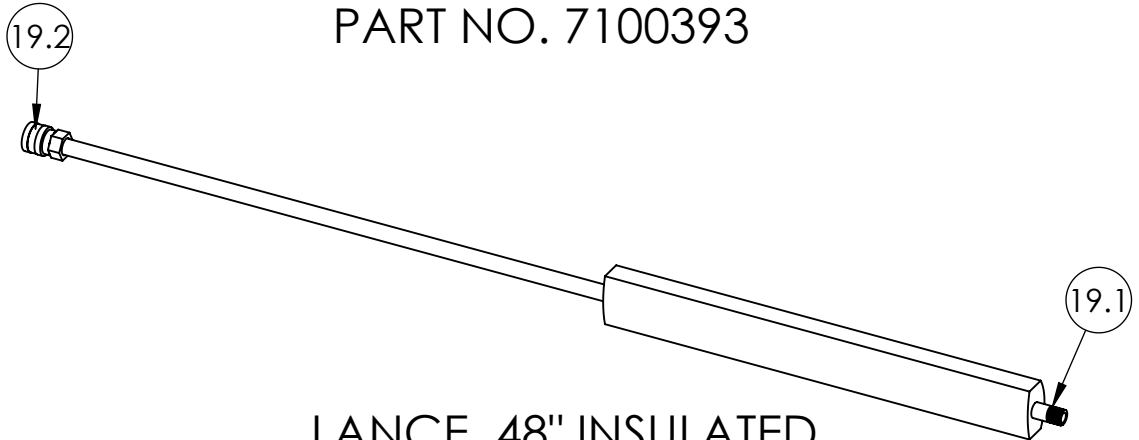


BELT-GUARD, SVC ASSY WS3500
PART NO. 7107024

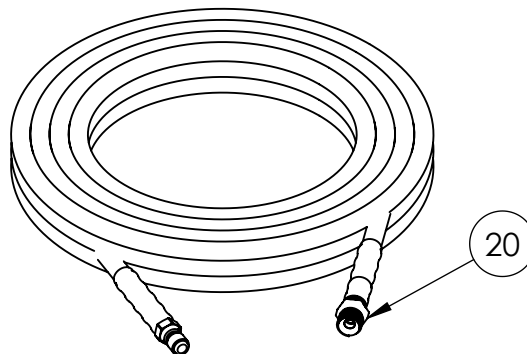
ITEM	PART NO.	DESCRIPTION	QTY
9.1	7106050	BELT GUARD, 19" BACK PLATE	1
9.2	7100083	BELT-GUARD, WS3500 FRONT	1
9.3	7104617	BRACKET (B BLACK)	1
9.4	7100389	GROMMET, 7/16" RUBBER	2
9.5		BOLT, 5/16" - 18 x 1 1/4"	2
9.6		WASHER, 5/16"	4
9.7		NUT, 5/16"-18 NYLOCK	2
9.8		NUT, CLINCH, 1/4"-20	1
9.9		RIVET, AN430-A4-6 ALUMINUM	3
9.10		BOLT, 1/4"-20 x 1"	1
9.11		WASHER, 1/4" FLAT	1



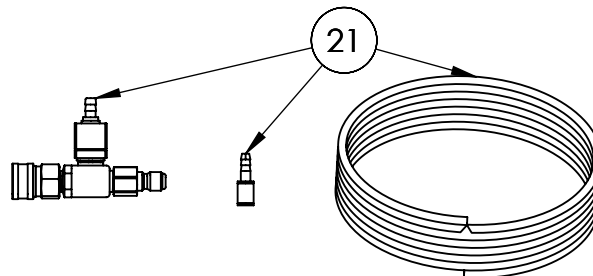
SPRAY GUN 5000PSI @ 10GPM
PART NO. 7100393



LANCE, 48" INSULATED
PART NO. 7100551

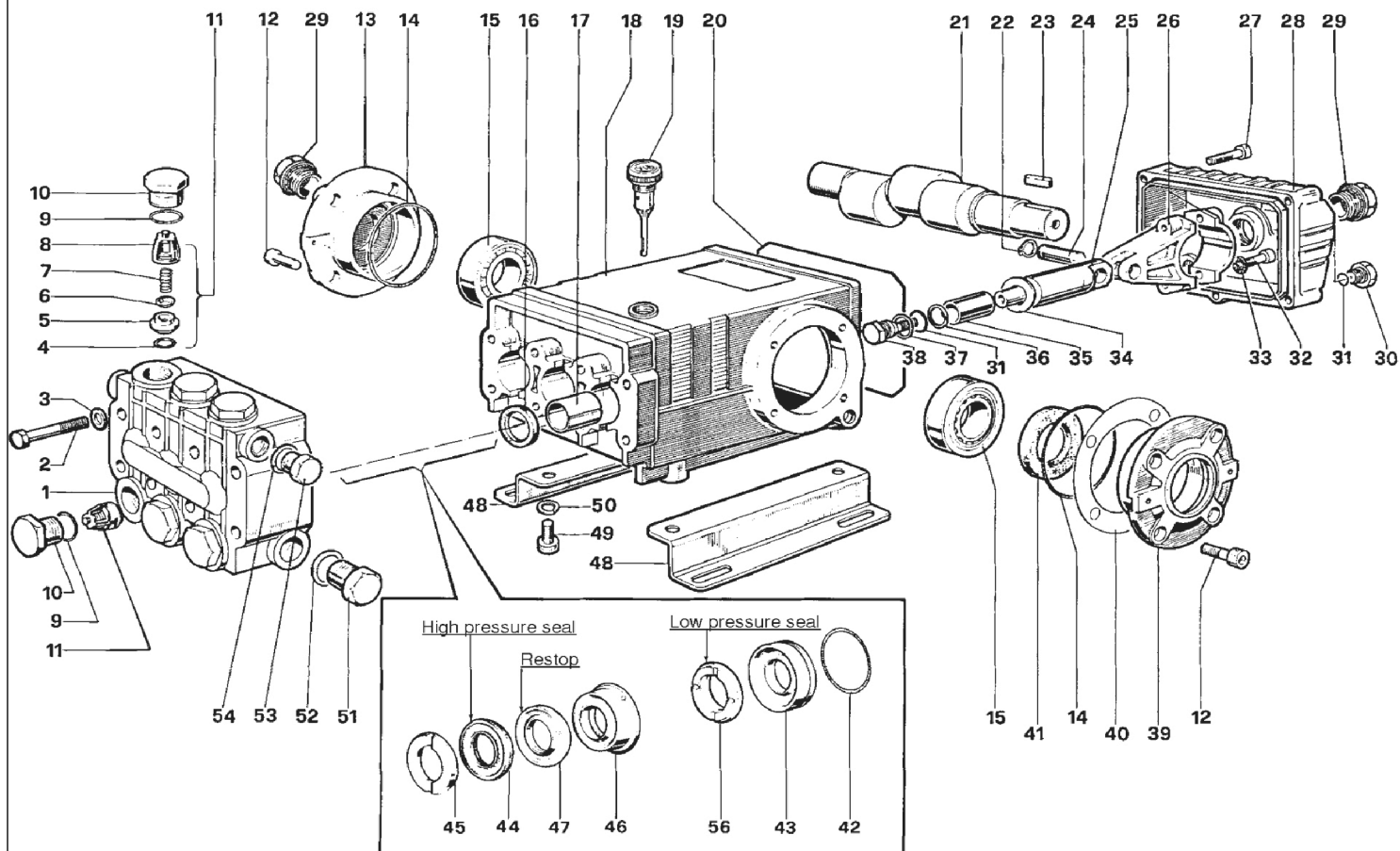


HOSE, 3/8" x 50' x 5000PSI RUBBER
PART NO. 7100477



KIT, CHEMICAL INJECTOR
PART NO. 7103709

FNA PART NO. 7101029



PARTS LIST

ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.	ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.	ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.
1	7102289	HEAD, PUMP		1	26	7104355	ROD, CONNECTING		3	51	7103223	CAP		1
2	7106376	SCREW, M8		8	27	7103463	SCREW, M6		5	52	7101847	WASHER		1
3	7102570	WASHER		8	28	7103178	COVER, CRANKCASE		1	53	7103167	CAP		1
4	7102358	O-RING		6	29	7100933	OIL INDICATOR		2	54	7101848	WASHER		1
5	N/A	SEAT, VALVE	1	6	30	7103447	CAP		1	56	7103221	SEAL, LOW PRESS.		3
6	N/A	PLATE, VALVE	1	6	31	N/A	O-RING	6	4					
7	N/A	SPRING	1	6	32	7106385	SCREW, M8		6					
8	N/A	GUIDE, VALVE	1	6	33	7103436	WASHER		6					
9	N/A	O-RING	4	6	34	N/A	WASHER	6	3					
10	N/A	CAP	4	6	35	7100806	PISTON		3					
11	N/A	VALVE ASSEMBLY	1	6	36	N/A	RING, BACK-UP	6	3					
12	N/A	SCREW, M8	1	8	37	N/A	WASHER	6	3					
13	7106401	COVER, CRANKCASE		1	38	N/A	SCREW, PISTON	6	3					
14	7103613	O-RING		2	39	7103132	COVER, CRANKCASE		1					
15	7106402	BEARING, ROLLER		2	40	7106386	SHIM		2					
16	N/A	SEAL, OIL	2	3	41	N/A	SEAL, OIL	3	1					
17	7106380	BUSHING		3	42	N/A	O-RING	10, 28	3					
18	7106403	CRANKCASE		1	43	N/A	RETAINER, PACKING	10, 28	3					
19	7106381	OIL DIP STICK		1	44	N/A	PACKING	28, 69	3					
20	7103219	COVER, O-RING		1	45	N/A	RING, HEAD, M20	7, 28	3					
21	7102723	CRANKSHAFT		1	46	N/A	INTERMED. RING	28, 71	3					
22	7106383	RING, SNAP		6	47	N/A	RESTOP RING	28, 69, 71	3					
23	7106384	KEY		1	48	7106387	PUMP FEET		2					
24	7103128	PIN, WRIST		3	49	7105834	SCREW, M10		4					
25	7103129	GUIDE, PISTON		3	50	7103226	WASHER		4					



GENERAL PUMP

T SERIES
47S-20MM x
14 MM

REPAIR KITS

KIT NO.	1	2	3	4	6	7	10	28	69	71
ITEM NO'S INCLUDED IN KIT	4, 5, 6, 7, 8 (11)	16	41	9, 10	31, 34, 36, 37, 38	45	42, 43	42, 43, 44, 45, 46, 47, 56	44, 47, 56	46, 47
NUMBER OF ASSEMBLIES IN KIT	6	3	2	6	3	6	3	1	3	3
NUMBER OF CYLINDERS KIT WILL SERVICE	3	3	-	3	3	3	3	1	3	3

ECN # DC12-0210

REV. A

FNA GROUP

SIZE	DWG. NO.	REV.
A	60248-S & 60679-S	A
SCALE: N/A	ECN# DC13-0164	SHEET 7 OF 7