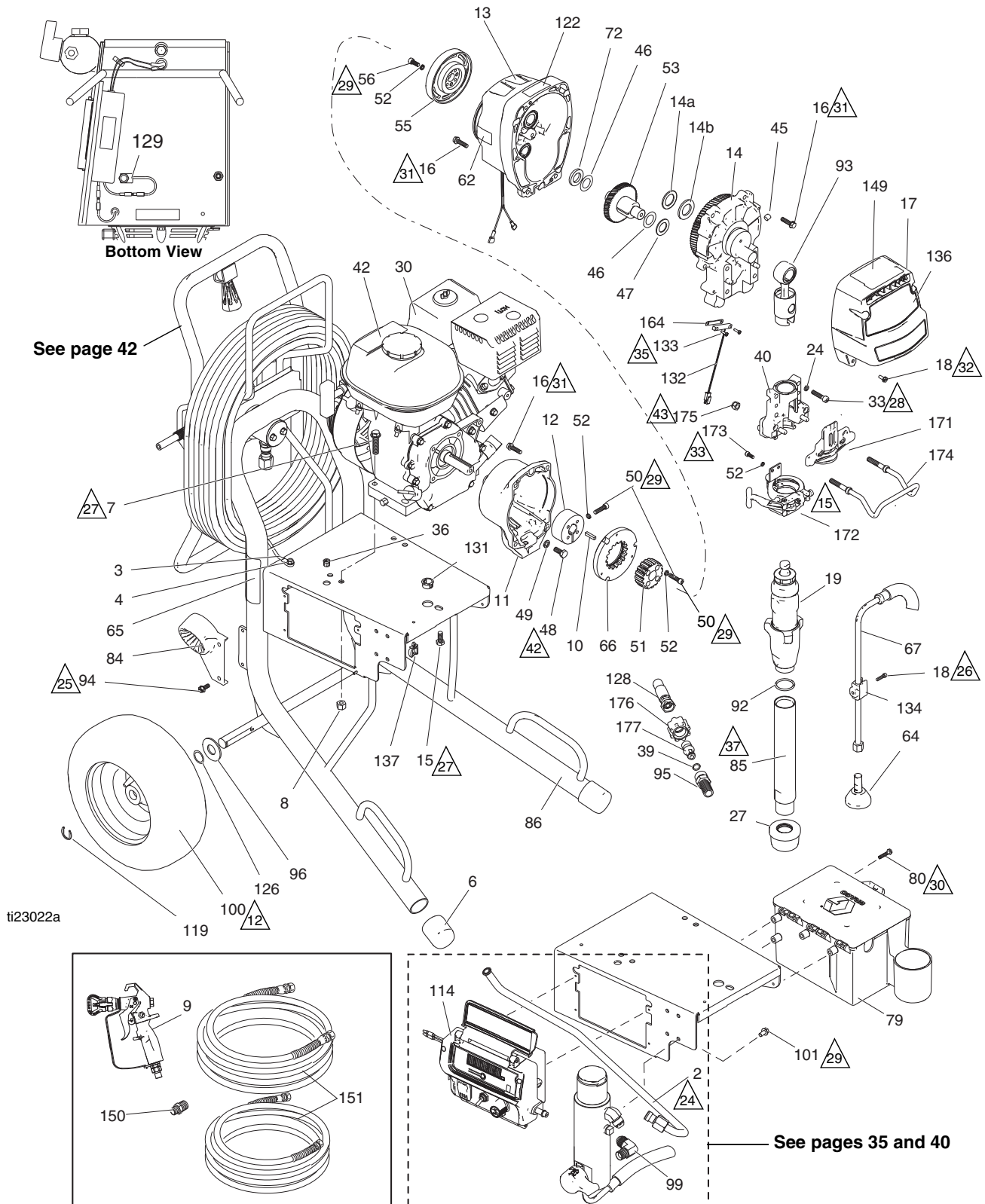


GMAX II 3900 ProContractor Series



Parts List - GMAX II 3900 ProContractor Series

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
2	16C384	TUBE, 3900	1	128	16X904	HOSE, coupled	1
3	237686	WIRE, ground assembly w/ clamp	1	129	119579	CONDUCTOR, ground	1
4	112798	SCREW, thread forming, hex hd	1	131	119569	BUSHING, strain relief	1
6	15C871	CAP, leg	2	132	119562	SWITCH, reed w/connector	1
7	110837	SCREW, flange, hex	2	133	114528	SCREW, mach, phillips, pnhd	2
8	110838	NUT, lock	2	134	16X203	CLIP, drain line	1
9	288420	GUN, contractor, RAC X, packaged	1	135	15F354	FUNNEL, oil (not shown)	1
10	183401	KEY, parallel	1	136	16X348	LABEL, front, GMAX II 3900	1
11	15E535	HOUSING, clutch, machine	1	137	114687	CLIP, retainer	1
12	193680	COLLAR, shaft	1	149	16X981	LABEL, Proconnect	1
13	287463	HOUSING, pinion, 3900	1	150	162453	NIPPLE, 1/4 npsm x 1/4 npt	1
14	287467	HOUSING, drive, 3900, <i>includes 14a, 14b</i>	1	151	240794	HOSE, coupled, 1/4 in x 50 ft	2
14a	116191	WASHER, thrust	1	164	15F947	SHIELD, magnetic	1
14b	107089	WASHER, race, thrust	1	171	16X228	PLATE, front, 3900, PC II	1
15	112395	SCREW, cap, flng hd	1	172	16X322	CLAMP, pump, small	1
16	119426	SCREW, mach, hex washer hd	10	173	101550	SCREW, cap, sch	2
17	16Y747	COVER, front, 3900, <i>includes 18</i>	1	174	16C457	HANGER, pail	1
18	118444	SCREW, mach, slot hex wash hd	5	175	111040	NUT, lock, insert, nylock, 5/16	2
19	16X414	PUMP, displacement 3900, <i>includes 85, 92, 95</i>	1	176	120583	NUT, hand	1
				177	16X833	FITTING, quick disconnect, 3/8 npsm	1
24	104008	WASHER, lock, spring	4	▲	16Y631	LABEL, warning	1
27	189920	STRAINER, (1-11 1/2 NPSM)	1	▲	16Y632	LABEL, warning	1
30	108879	ENGINE, gasoline, 4.0 HP	1	▲	16Y633	LABEL, warning	1
33	113467	SCREW, cap, socket hd	4				
36	114678	BUSHING, strain relief	1				
39	107505	PACKING, o-ring	1				
40	24V087	HOUSING, bearing 3900	1				
42▲	194126	LABEL, warning	1				
45	116618	MAGNET	1				
46	114699	WASHER, thrust	2				
47	114672	WASHER, thrust	1				
48	108842	SCREW, cap, hex hd	4				
49	100214	WASHER, lock	4				
50†	108803	SCREW, hex, socket head	6				
51†		HUB, armature	1				
52†	105510	WASHER, lock, spring (hi-collar)	12				
53	287653	GEAR, combination 3900	1				
55†		ROTOR, clutch, 4 in.	1				
56†	101682	SCREW, cap, sch	4				
62		LABEL, USA made with Honda	1				
64	241920	DEFLECTOR, threaded	1				
65▲	15F638	LABEL, GMAX warning fire and skin	1				
66†		ARMATURE, clutch, 4 in.	1				
67	244240	HOSE, coupled, <i>includes 64</i>	1				
72	15F250	WASHER, thrust	1				
79	287253	TOOL BOX, <i>includes 94</i>	1				
80	118852	SCREW, thd forming, hex washer hd	3				
85	15E807	TUBE, intake	1				
84	278083	GUIDE, hose,	1				
86	24D045	FRAME, hose reel	1				
92	118494	PACKING, o-ring	1				
93	24V084	ROD, connecting 3900	1				
94	117633	SCREW, slot hex wash hd	2				
95	16Y579	FITTING	1				
96	156306	WASHER, flat	2				
99	125926	FITTING, 90 deg	1				
100	119420	WHEEL, pneumatic	2				
101	113161	SCREW, flange, hex hd	3				
114	16X821	BOX, control	1				
119	15E891	CLIP, retaining	2				
122▲	290228	LABEL, caution	1				
126	116038	WASHER, wave spring	2				

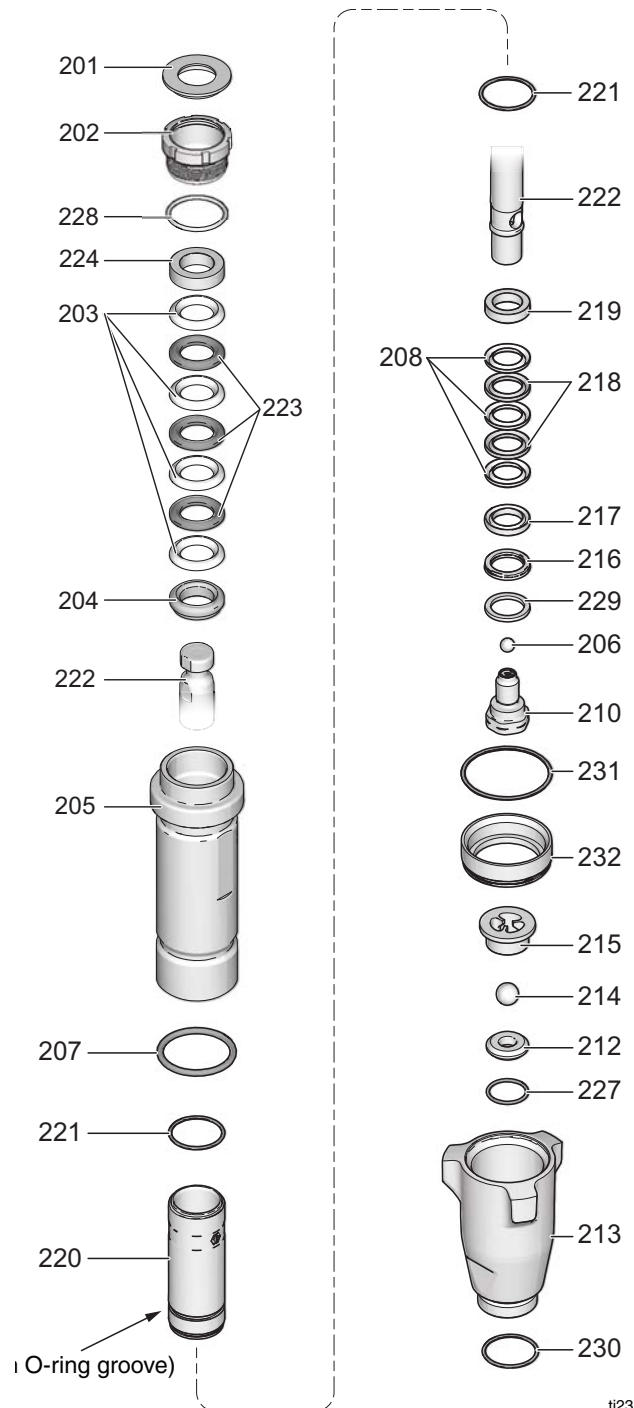
▲ Replacement Danger and Warning Labels, Tags and Cards are available at no cost.
 † Included in Clutch Replacement Kit 241109.

Part Specifications:

Ref.	Instruction
▲22	Inflate tires to 28-32 psi (1.93-2.21 bar/0.193-0.221 MPa)
▲15	Torque clamp adjustment bolt to 90-110 in-lb (10.1-12.4 N•m) with reference 19 installed and ProConnect in locked position.
▲24	Torque to 38-42 ft-lb (51.5-56.9 N•m)
▲25	Torque to 120-130 in-lb (13.5-14.6 N•m)
▲26	Torque to 40-45 in-lb (4.5-5.0 N•m)
▲27	Torque to 17-23 ft-lb (23.0-31.1 N•m)
▲28	Torque to 190-210 in-lb (21.4-23.7 N•m)
▲29	Torque to 115-135 in-lb (12.9-15.2 N•m)
▲30	Torque to 30-40 in-lb (3.3-4.5 N•m)
▲31	Torque to 130-150 in-lb (14.6-16.9 N•m)
▲32	Torque to 30-45 in-lb (3.3-5.0 N•m)
▲33	Torque to 90-110 in-lb (10.2-12.4 N•m)
▲35	Torque to 8-12 in-lb (0.9-1.35 N•m)
▲37	Torque to 70-90 in-lb (7.9-10.1 N•m)
▲42	Torque to 170-190 in-lb (19.2-21.4 N•m)
▲43	Torque to 200-230 in-lb (22.5-25.9 N•m)

Parts - Pump 16X414, 16X418

Ref.	Part	Description	Qty.
201*†	179810	SEAL, throat	1
202	193046	NUT, packing	1
203*†	192692	V-PACKING, throat, V-Max, UHMWPE, blue	3
204*†	15C987	GLAND, male, throat,	1
205	16X450	CYLINDER, pump Model 16X414	1
	16X456	Model 16X418	
206		BALL check	1
	105444*	Model 16X414 (Stainless steel)	
	119259†	Model 16X418 (Ceramic)	
207*†	156593	PACKING, o-ring	1
208*†	192693	V-PACKING, piston, V-MAX, UHMWPE, blue	3
210	287877	VALVE, piston	1
212	239922	KIT, seat, carbide Model 16X414, <i>includes 214, 215, 227</i>	1
	244571	Model 16X418 <i>includes 214, 227</i>	
213	15C785	VALVE, intake (foot) Model 16X414	1
	287878	Model 16X418	
214		BALL, check, inlet	1
	105445*	Model 16X414 (Stainless steel)	
	111453†	Model 16X418 (Ceramic)	
	102972	Model 16X418 (Stainless steel)	
215		GUIDE, ball	1
	192624	Model 16X414	
	196967	Model 16X418	
216*†	118503	WIPER, piston	1
217*†	178969	GLAND, female, piston	1
218*†	178939	V-PACKING, leather, piston	2
219*†	196880	GLAND, male, piston	1
220	248209	SLEEVE, cylinder	1
221*†	108526	O-RING, ptfe	1
222	16X434	ROD, piston Model 16X414	1
	16X440	Model 16X418	
223*†	178940	V-PACKING, leather, throat	2
224*†	15C988	GLAND, female, throat	1
227		O-RING, ptfe	1
	107079*	Model 16X414	
	108526†	Model 16X418	
228*†	158776	O-RING	1
229*†	15C997	WASHER, backup	1
230*	118494	O-RING, fluoroelastomer (Model 16X414)	1
231†	107098	O-RING (Model 16X418 only)	1
232	15G494	SPACER, sleeve (Model 16X418 only)	1

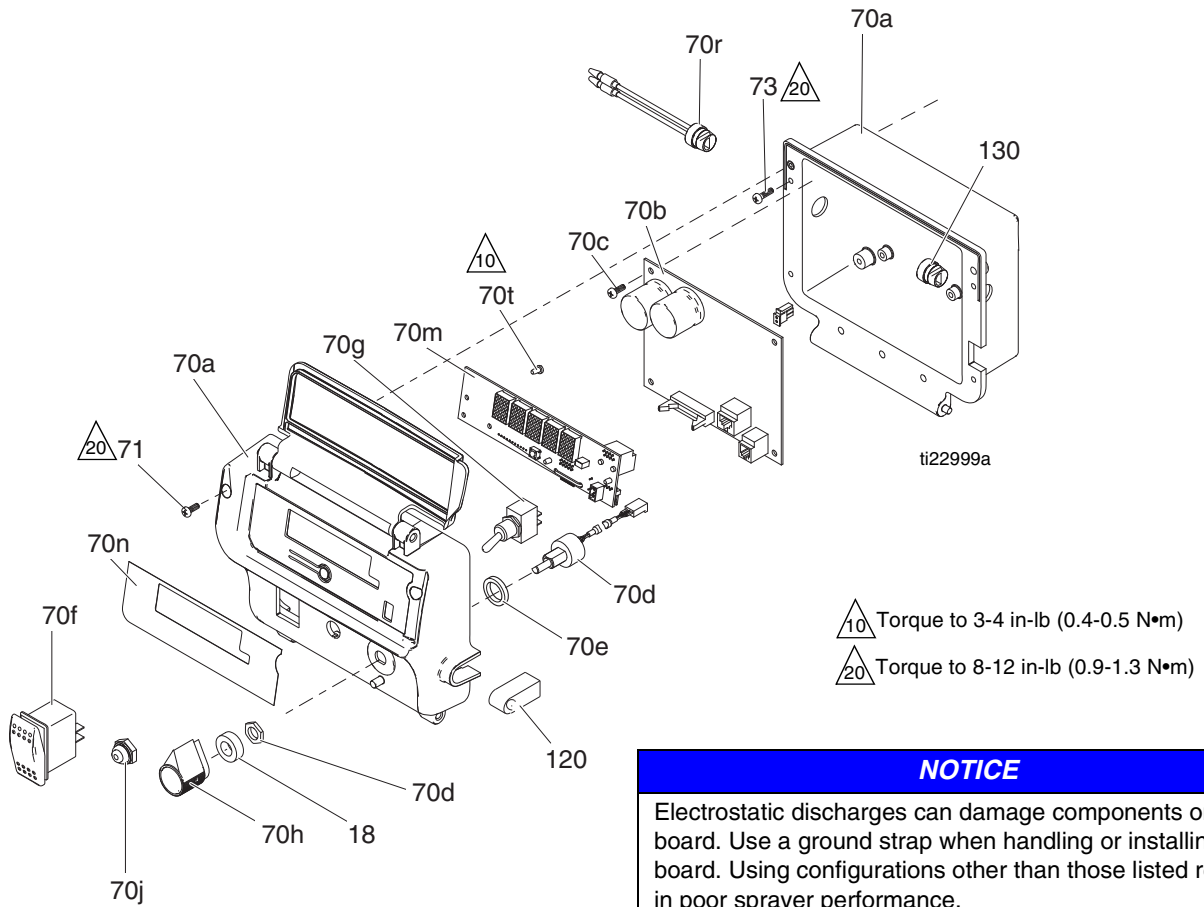


ti23511a

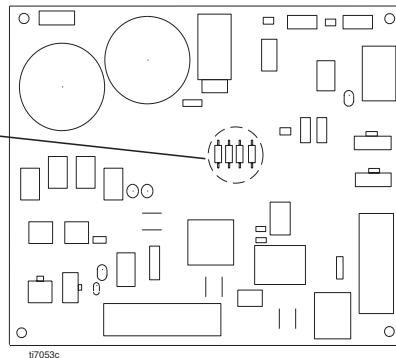
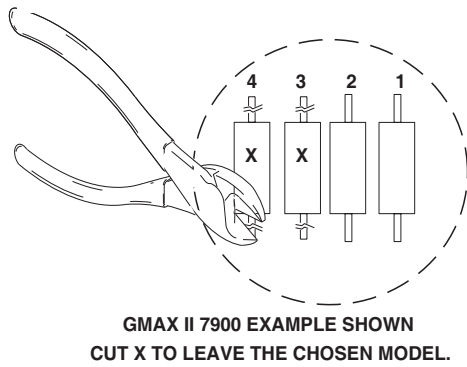
* These parts are also included in Repair Kit 248212, which may be purchased separately.

† These parts are also included in Repair Kit 24V063, which may be purchased separately.

Control Box 16X821



NOTICE
 Electrostatic discharges can damage components on PC board. Use a ground strap when handling or installing PC board. Using configurations other than those listed results in poor sprayer performance.



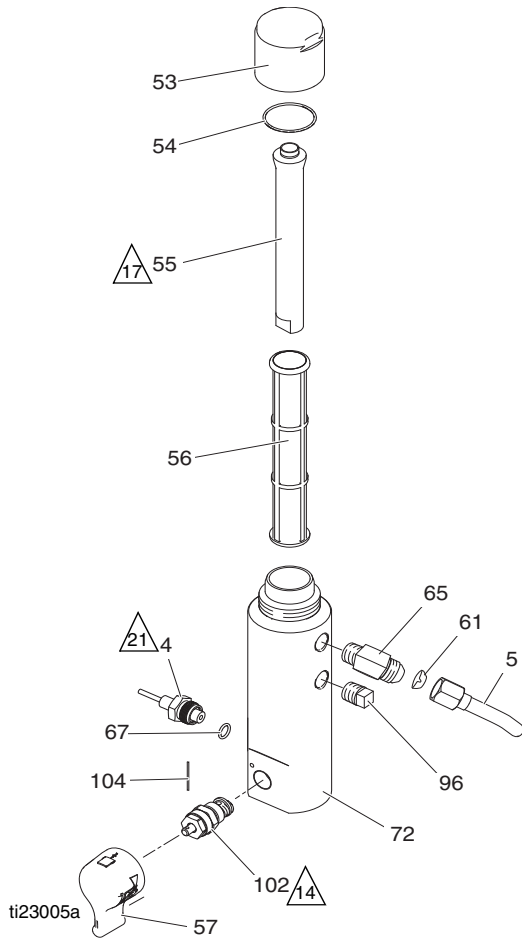
- 1 Refer to your sprayer repair manual for the procedures.
- 2 Perform **Pressure Relief Procedure**.
- 3 Remove pressure control cover.
- 4 Remove PC board.
- 5 Cut out and remove the resistor(s) on PC board according to figure and table.
- 6 Install PC board.
- 7 Install pressure control cover.

	3900		5900			7900	
	GMAX II 3900	International GMAX II 3900	GMAX II 5900/5900HD	GMAX II 5900/5900HD International	GMAX II 5900 Convertible	GMAX II 7900/7900HD	GMAX II 7900/7900HD International
1	x	x					x
2			x	x			
3		x	x			x	x
4				x	x	x	x

Parts List - Control Box 16X821

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
18	15C973	GASKET	1	70j	195428	BOOT, toggle	1
70	16X821	CONTROL BOX		70m	16Y496	KIT, display, <i>includes 70t</i>	1
70a	24U347	BOX	1	70n	16X801	LABEL, brand	1
70b	17A095	CONTROL, board	1	70r	119545	BUSHING, strain, relief	1
70c	117317	SCREW, plastite, pan head	4	70t	115522	SCREW, mach, pnh	3
70d	256219	POTENTIOMETER	1	71	116585	SCREW, pan, X recess, sst	2
70f	116752	SWITCH, rocker	1	73	113160	SCREW, mach, slot, hex wash hd	4
70e	198650	SPACER, shaft	1	120	16Y415	GASKET, transducer	1
70g	119541	SWITCH, toggle	1	130	119545	BUSHING, strain, relief	1
70h	116167	KNOB, potentiometer	1				

Filter



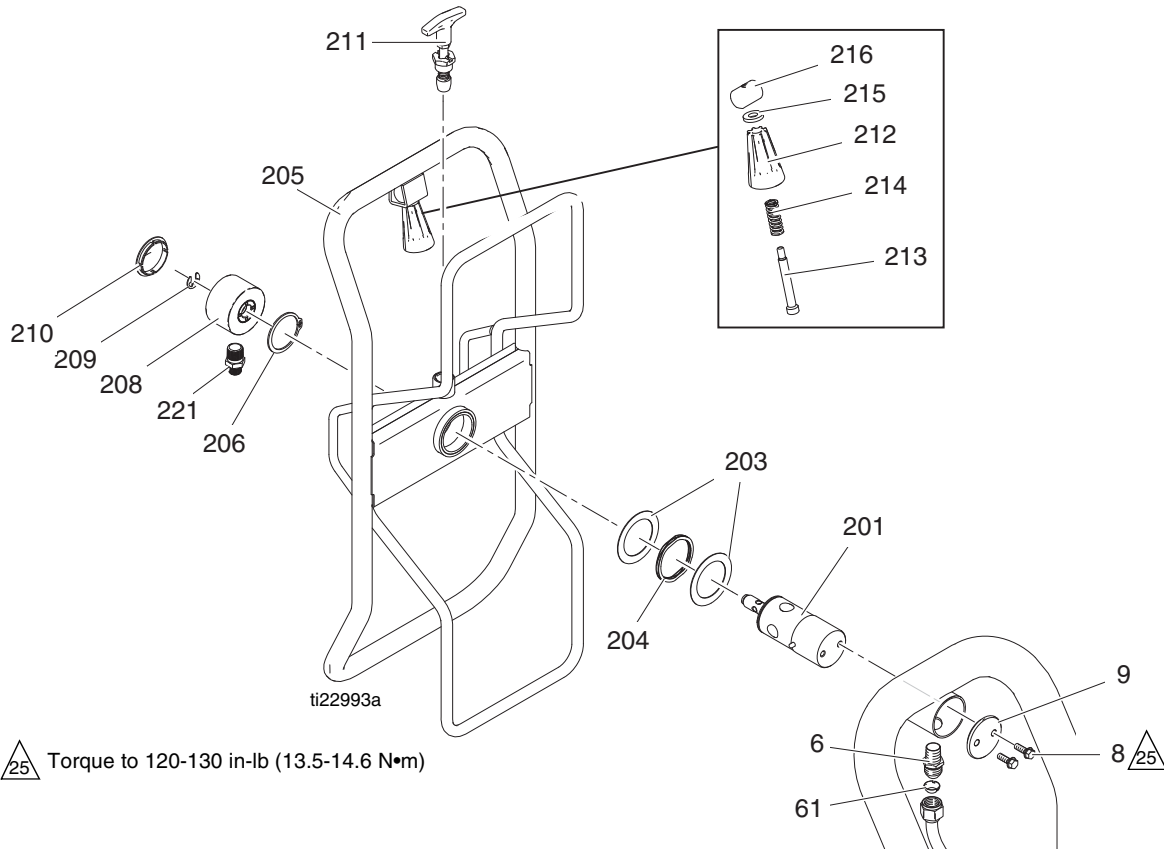
Parts List - Filter


Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
4	243222	TRANSDUCER, pressure control <i>includes 63</i>	1	72	15E284	HOUSING, filter	1
5	16C381	TUBE, GMAX 5900/7900 (ProContractor)	1	96	15G331	PLUG, pipe	1
	16C384	TUBE, GMAX 3900 (ProContractor)	1	102	257352	VALVE, prime, heavy duty, <i>includes 57, 104</i>	1
53	287285	CAP, filter, <i>includes 54, 55</i>	1	104	15C972	PIN, spring	1
54	117285	PACKING, o-ring	1				
55	15C766	TUBE, diffusion	1				
56	244067	FILTER, fluid	1				
57	24E234	KIT, handle 2 position	1				
61	123739	SEAL, fitting, flared	1				
65	122533	FITTING, 45 deg elbow (ProConnect)	1				
	162485	FITTING, adapter (7900, IronMan)	1				
	196177	FITTING, adapter (3900/5900 Standard, Convertible and Lo-Boy)	1				
	196178	FITTING, adapter (5900 IronMan/ 7900 Standard/5900HD/7900HD Standard)	1				
67	111457	PACKING, o-ring	1				

Part Specifications:

Ref.	Instruction
14	Torque to 130-150 in-lb (14.6-16.9 N•m)
17	Torque to 90-110 in-lb (10.1-12.4 N•m)
21	Torque to 35-45 ft-lb (47.4-61.0 N•m)

Hose Reel (ProContractor Sprayers)



 Torque to 120-130 in-lb (13.5-14.6 N•m)

Parts List - Hose Reel (ProContractor Sprayers)

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
6	121311	FITTING, connector, NPT x JIC	1	209	122347	RING, retaining, external	1
8	260212	SCREW, hex washer hd	2	210	122787	CAP	1
9	16C975	PLATE, pivot mount	1	211	24E400	PIN, pop, lock out	1
61	123739	SEAL, fitting, flared	1	212	278085	HANDLE, swivel	1
201	24E016	TUBE, hose reel, pivot	1	213	122518	SCREW, shoulder, sch	1
203	122607	WASHER, flat	2	214	122542	SPRING, die	1
204	122534	SPRING, wave	1	215	122669	WASHER, flat	1
205	24B691	REEL, hose	1	216	15X618	NUT, swivel, handle	1
206	122524	RING, retaining, external	1	221	164672	ADAPTER	1
208	24B248	CAP, swivel, complete	1		162485	ADAPTER	1
						(3900/5900 ProContractor only)	

3900/5900/7900 Sprayers

