



HVLP2000

Spray Machine

Operator Manual



ECOPROOF

Prees Green, Shropshire, SY13 2BN

0844 335 6386

support@ecoproof.com

Spray Grade HVLP2000 Machine

Daily Checks:

1. Diaphragm valve: Check that it's inflated to 70psi.
2. Diaphragm Pump Oil reservoir: Check the level on sight-glass, top up with engine oil if necessary.
3. Honda Motor: Check the fuel and then check the motor oil with the dip stick. Top up if necessary.

Consumables:

Filter mesh with 2mm hole size.

Available from EcoProof in 1.0 x 1.2 metre.

Cooking Oil and Paraffin 10 Litres pre mixed in a 20 Litre bucket. Available from EcoProof.



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Prepare the Pump

1. Close off taps to the Spray Line; Reduce pressure on Accumulator Valve to lower Re-Circulation pressure.
2. Lower Honda motor's revs to just above ticking over.



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1. Clean every time the pump is used. Recommended cleaning agent: 50% Cooking Oil with 50% Paraffin.
2. Pour 5 litres of Paraffin and 5 litres of Cooking Oil into a large bucket.
3. Place large suction pipe in to this cleaning solution.
4. Place return pipe into an empty bucket.
5. Pull the starter cord by hand until cleaning fluid appears in the return pipe.
6. Start the Honda Motor, and run it until the cleaning solution appears in the empty bucket. When it has, stop the motor.
7. Now place both the suction and return pipes into the remaining cleaning solution.
8. Start the Honda Motor again, and run it for 5 minutes. Slowly open up the Accumulator lever, and close after 20 seconds. Repeat this twice in each cleaning cycle.
9. When starting to spray EcoProof, prime the pump by using the motor pulley by hand until EcoProof flows from the pump. Return the pump, and start the motor.



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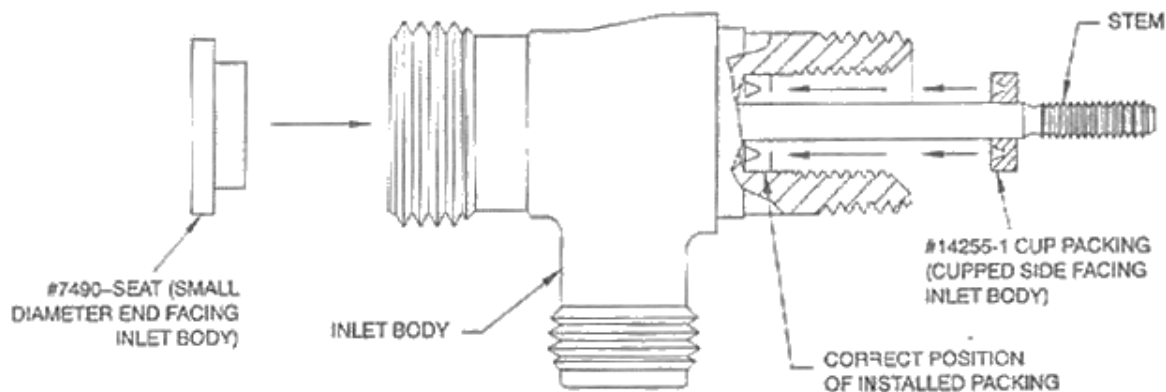
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How to Install #7490- Valve Seat and Replace #14255-1 Cup Packing



Installing #7490- Valve Seat

1. Assemble the seat into the body with the trigger in off (forward) position.
2. With seat in place and trigger remaining in the off position, install the tip and retaining cap.
3. Allow the trigger to "snap" shut at least five times, resulting in seating the stem plug with the seat.
4. Test the assembly for leakage.

Installing #14255-1 Cup Packing

1. Slide the #14255-1 cup packing onto the stem, making sure the cupped side of the packing is facing the inlet body.
2. Insert the packing completely into the inlet body.

Caution: Extra care should be taken to prevent damage to the packing from threads on the stems and inlet body.



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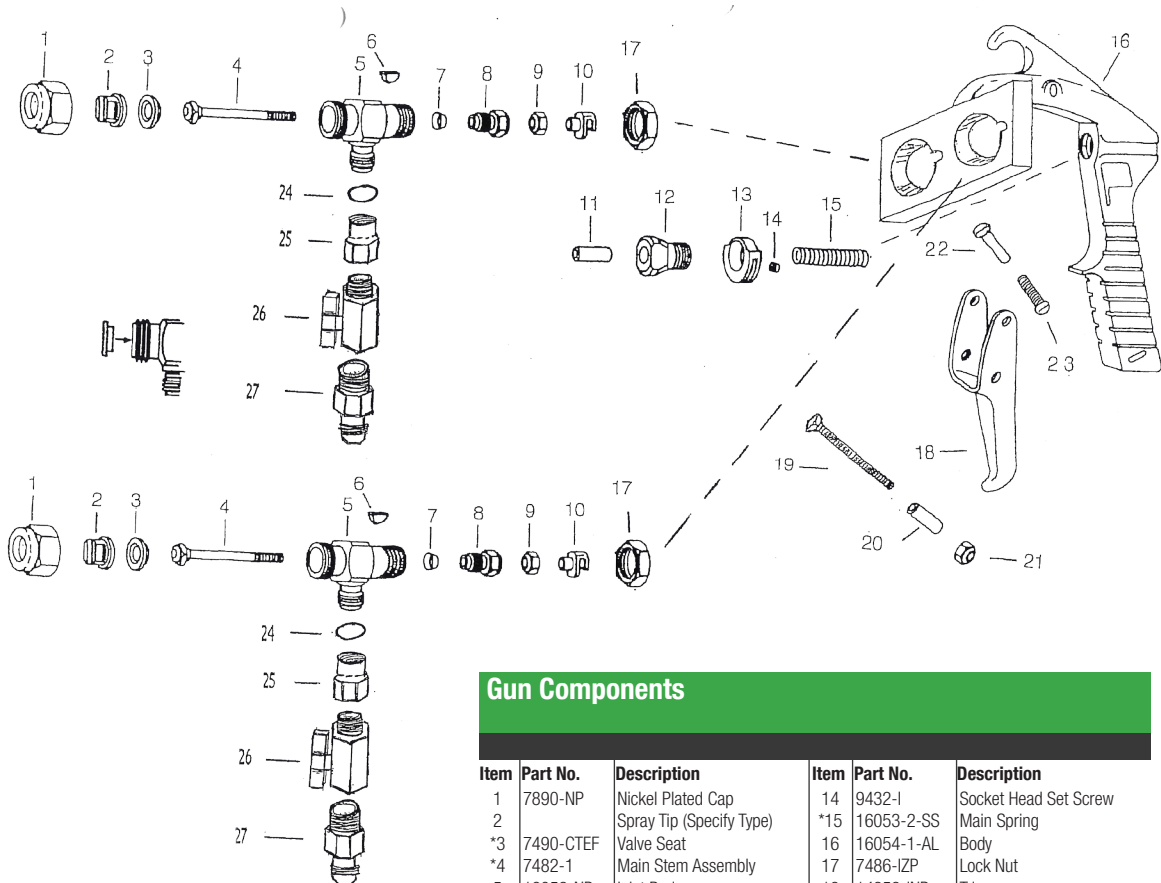
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Gun Assembly



Gun Components

Item	Part No.	Description	Item	Part No.	Description
1	7890-NP	Nickel Plated Cap	14	9432-I	Socket Head Set Screw
2		Spray Tip (Specify Type)	*15	16053-2-SS	Main Spring
*3	7490-CTEF	Valve Seat	16	16054-1-AL	Body
*4	7482-1	Main Stem Assembly	17	7486-IZP	Lock Nut
5	16052-NP	Inlet Body	18	14252-INP	Trigger
6	7892-IZP	Key	19		2-1/2" x 10/24 Hex Bolt
*7	14255-1-BU	Cup Packing	20		5/8" Spacer
8	16071-NP	Packing Screw	21		10-24 Nylon Collar Locknut
9	7484-INP	Stem nut	22	N-156A	3/4" Binder Post
10	7481-INP	Trigger Guide	23	MS-3001	#8-32 Unc x 3/8"
11	7491-ALEF	Spring Stud	24	TJ-8635NY	Nylon Washer
12	9421-INP	Safety Lock Screw	25	TJ-75991/4NP	Adaptor Fitting
13	39698-NY	Safety Lock Cam	26	MC-90FMB14	1/4" Ball Valve
			27	2404-0604	1/4" Npt to #6 JIC

*AB23H-KIT - Spare Parts Kit (For brass-nickel plated Gunjet) includes all items marked with an asterisk.



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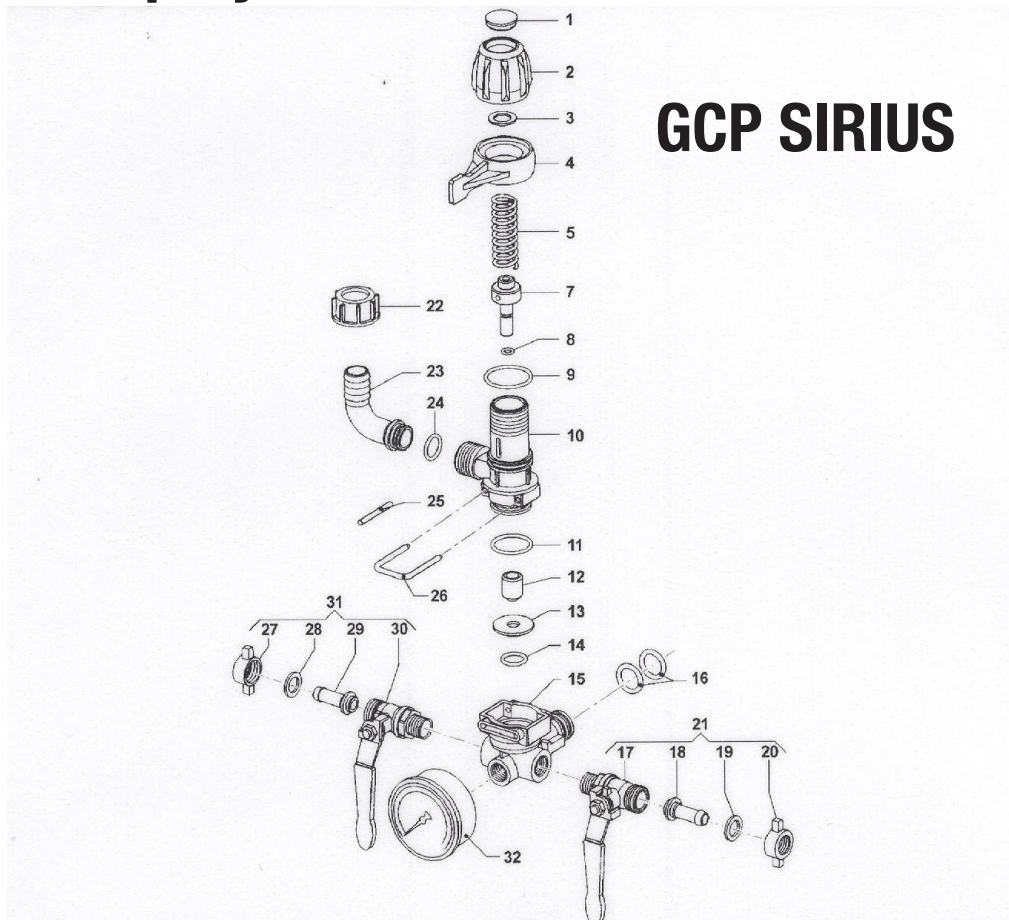
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GCP SIRIUS



GCP SIRIUS

No	Cod.	Description	Note	Qty	No	Cod.	Description	Note	Qty
1	3202 0258	Plug		1	18	2802 0018	Right Delivery Hose Tail	Ø8x10	1
2	1223 0097	Adjustable Nut		1	19	1209 0013	Gasket	Ø12x18x2	1
3	2812 0076	Special Washer	Ø14xØ22x0,5	1	20	1200 0038	Right Wing Nut	1/2" GAS	1
4	1600 0076	Lever		1	21	1214 0015	Right Complete Tap		1
5	1802 0151	Spring (Wire Ø2,8)	Øe22x59	1	22	1200 0059	Wing Nut	G3/4	1
7	2426 0024	Valve Guide		1	23	2801 0080	Suction Elbow Tail	Ø13 G3/4	1
8	1210 0072	Viton® O-Ring	Ø2x6	1	24	1210 0036	O-Ring	Ø2, 62x13, 10	1
9	1210 0461	O-Ring	Ø2x32	1	25	3005 0027	Pin	4x40	1
10	0424 0367	Regulation Valve Body		1	26	1202 0051	Hook		1
11	1210 0079	Viton® O-Ring	Ø2, 62x26, 65	1	27	1200 0038	Left Wing Nut	1/2" GAS	1
12	3600 0009	Pressure Valve		1	28	1209 0013	Gasket	Ø12x18x2	1
13	3009 0133	Valve Seat		1	29	2802 0018	Left Delivery Hose Tail	Ø8x10	1
14	1210 0021	O-Ring	Ø2, 62x15, 54	1	30	2826 0030	Left Tap	3/8-1/2 GAS	1
15	0424 0370	Control Assembly Body		1	31	1214 0014	Left Complete Tap		1
16	1210 0002	O-Ring	Ø2, 62x20, 7	2	32	1816 0112	Pressure Gauge	15 bar	1
17	2826 0029	Right Tap	3/8-1/2 GAS	1					



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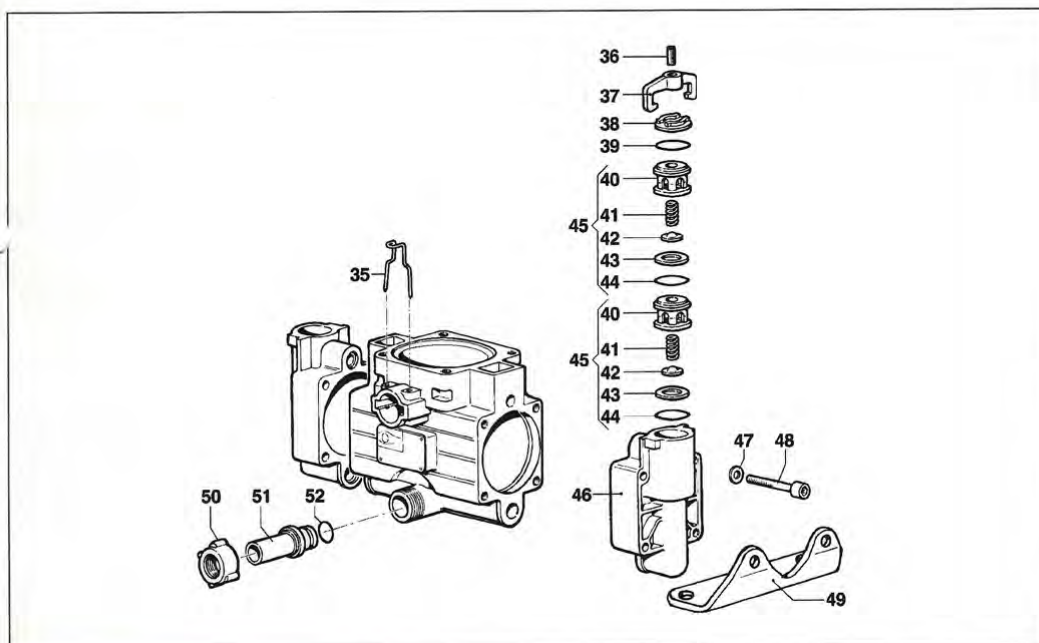
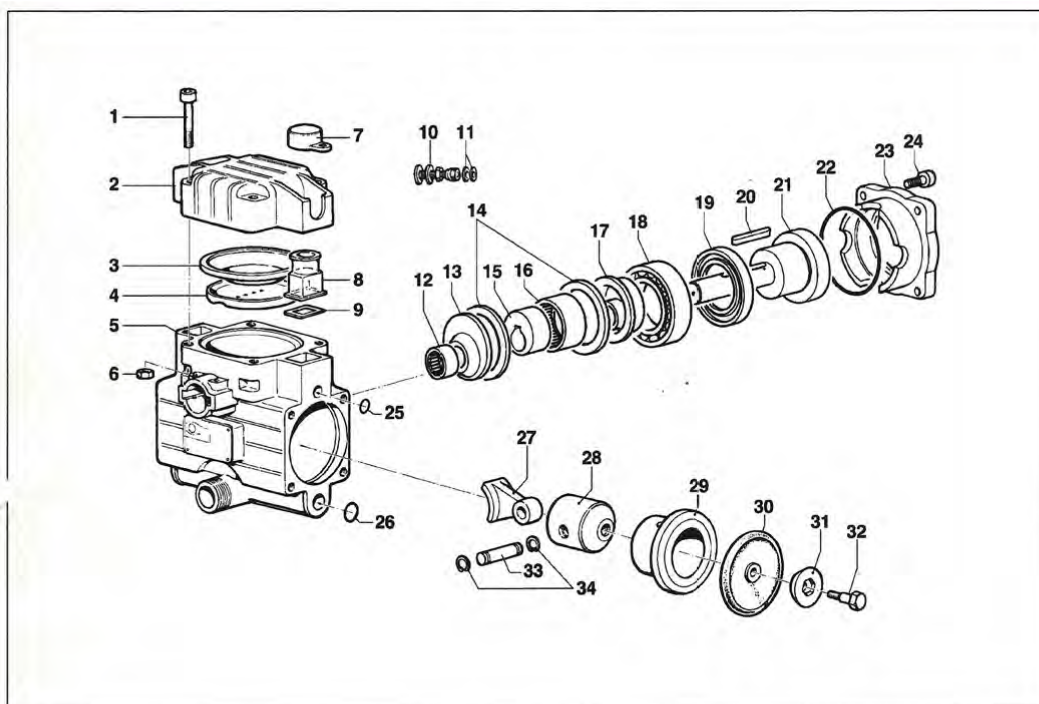
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MP 30





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MP 30

No	Cod.	Description	Note	Qty
1	3609 0095	Screw	M10x50	4
2	0003 0021	Pressure Accumulator		1
3	1800 0033	Diaphragm		1
4	0460 0011	Diaphragm Support Cap		1
5	0403 0083	Pump Crankcase		1
6	0604 0105	Nut	M10	4
7	1800 0081	Volum. Comp. Diaphragm		2
8	0421 0013	Volumetric Compensator		2
9	1201 0071	Flat Gasket		2
10	3610 0003	Air Valve		1
11	1209 0033	Gasket	Ø14x7, 5x2	2
12	0437 0026	Roller Bearing	Ø20x26x20	1
13	2813 0047	Connecting Rod Washer	Ø62x20x14,5	1
14	0010 0008	Connecting Rod Ring	Ø68x55x6	2
15	0800 0009	Eccentric		1
16	0437 0027	Roller Bearing	Ø40x47x20	1
17	2813 0023	Connecting Rod Washer	Ø20, 1x62x14,5	1
18	0438 0037	Ball Bearing	Ø45x75x16	1
19	0019 0023	Oil Seal	Ø45x72x10	1
20	1602 0021	Key	6x6x35	1
21	0004 0010	6 Holes Shaft		1
22	1210 0069	O-Ring	Ø1, 8x83	1
23	0405 0022	Support Cover		1
24	3609 0009	Screw	M10x35	4
25	1210 0057	O-Ring	Ø2, 62x10, 78	2
26	1210 0021	O-Ring	Ø2, 62x15, 54	2
27	0205 0021	Connecting Rod Assembly		1
28	2409 0041	Piston	Ø48	2
29	0400 0053	Piston Sleeve	Ø48x15, 2	2
30	1800 0020	Diaphragm	Ø74	2
31	0602 0008	Disc		2
32	3605 0027	Diaphragm Holder Screw	M8	2
33	3011 0013	Gudgeon Pin	Ø12x40	2
34	3020 0020	Inner Seeger	Ø12	4
35	1202 0017	Delivery Hook		1
36	3622 0017	Screw	M8x16	2
37	0418 0033	U-Bolt		2
38	3202 0081	Plug		2
39	1210 0191	O-Ring	Ø3x25	2
40	1205 0021	Suction/Delivery Valve Cage		4
41	1802 0034	Spring (Wire Ø0,6)	Øe10, 6x18	4
42	3604 0007	Suction/Delivery Valve		4
43	3009 0057	Suction/Delivery Valve seat		4
44	1210 0191	O-Ring	Ø3x25	4
45	1220 0021	Suct./Delivery Valve Ass.y Kit		4
46	3218 0069	Pump Manifold		2
47	2811 0004	Washer	Ø8, 4x14x1,6	4
48	3609 0159	Screw	M8x50	8
49	2400 0043	Pump Mounting Bracket		2
50	1200 0008	Wing Nut	30MB	1
51	2800 0019	Straight Hose Bypass Tail	Ø15, 5x23	1
52	1210 0046	O-Ring	Ø2, 62x17, 13	1

5026 0080

ORDINARY MAINTENANCE KIT*

No	Cod.	Description	Note	Qty
3	1800 0033	Diaphragm		1
9	1201 0071	Flat Gasket		2
25	1210 0057	O-Ring	Ø2, 62x10, 78	2
26	1210 0021	O-Ring	Ø2, 62x15, 54	2
30	1800 0020	Diaphragm	Ø74	2
44	1210 0191	O-Ring	Ø3x25	4
45	1220 0021	Suct./Delivery Valve Ass.y Kit		4
52	1210 0046	O-Ring	Ø2, 62x17, 13	1

*All are Fast Moving Parts