



47155908
Edition 2
October 2012

Air Impulse Wrenches

Models QS110P4, QS120P4, QS140P4, QS150P6

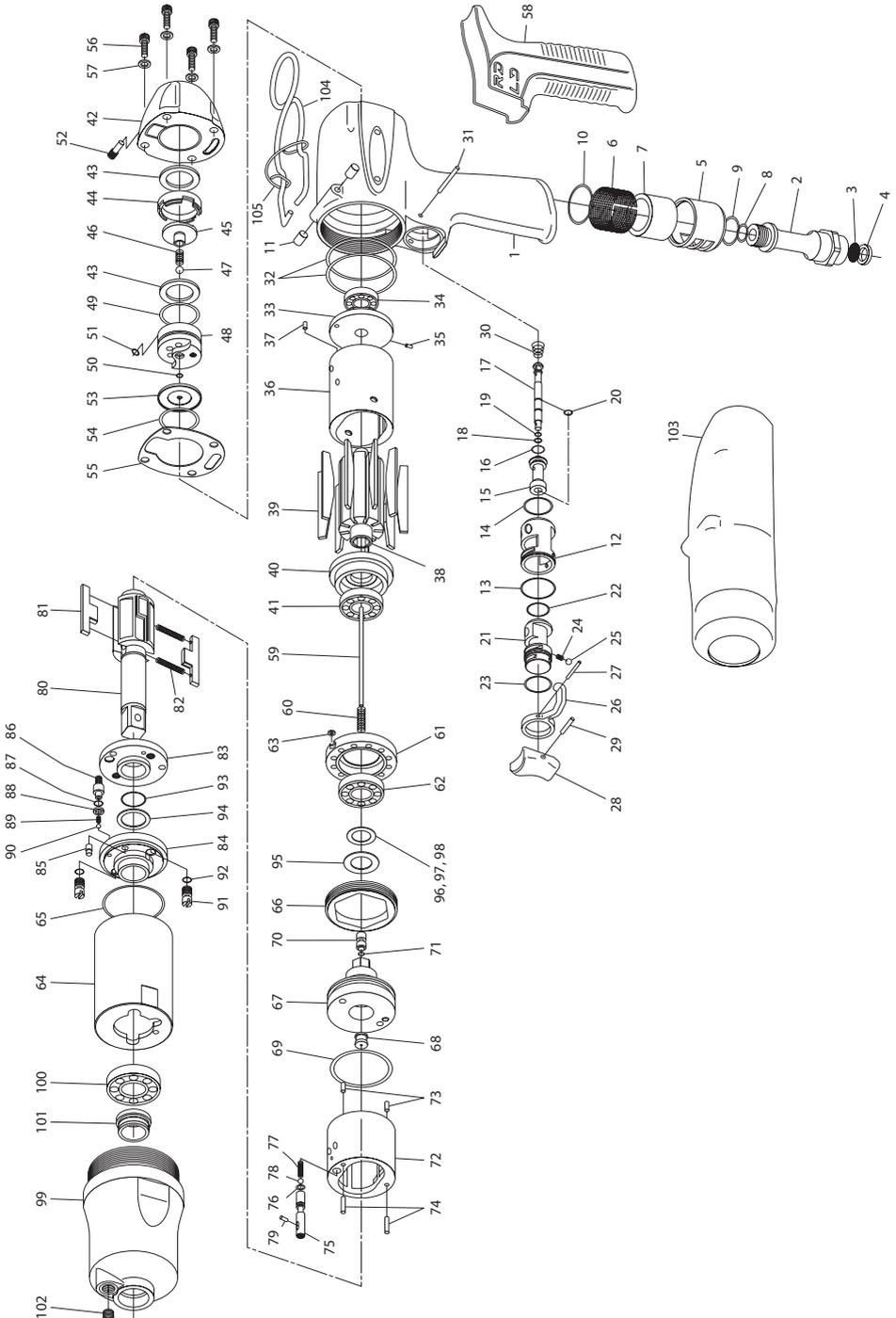
Parts Information



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QS110P4, Air Impulse Wrench - Exploded View



(Dwg. 47156286)

QS110P4, Air Impulse Wrench - Parts List

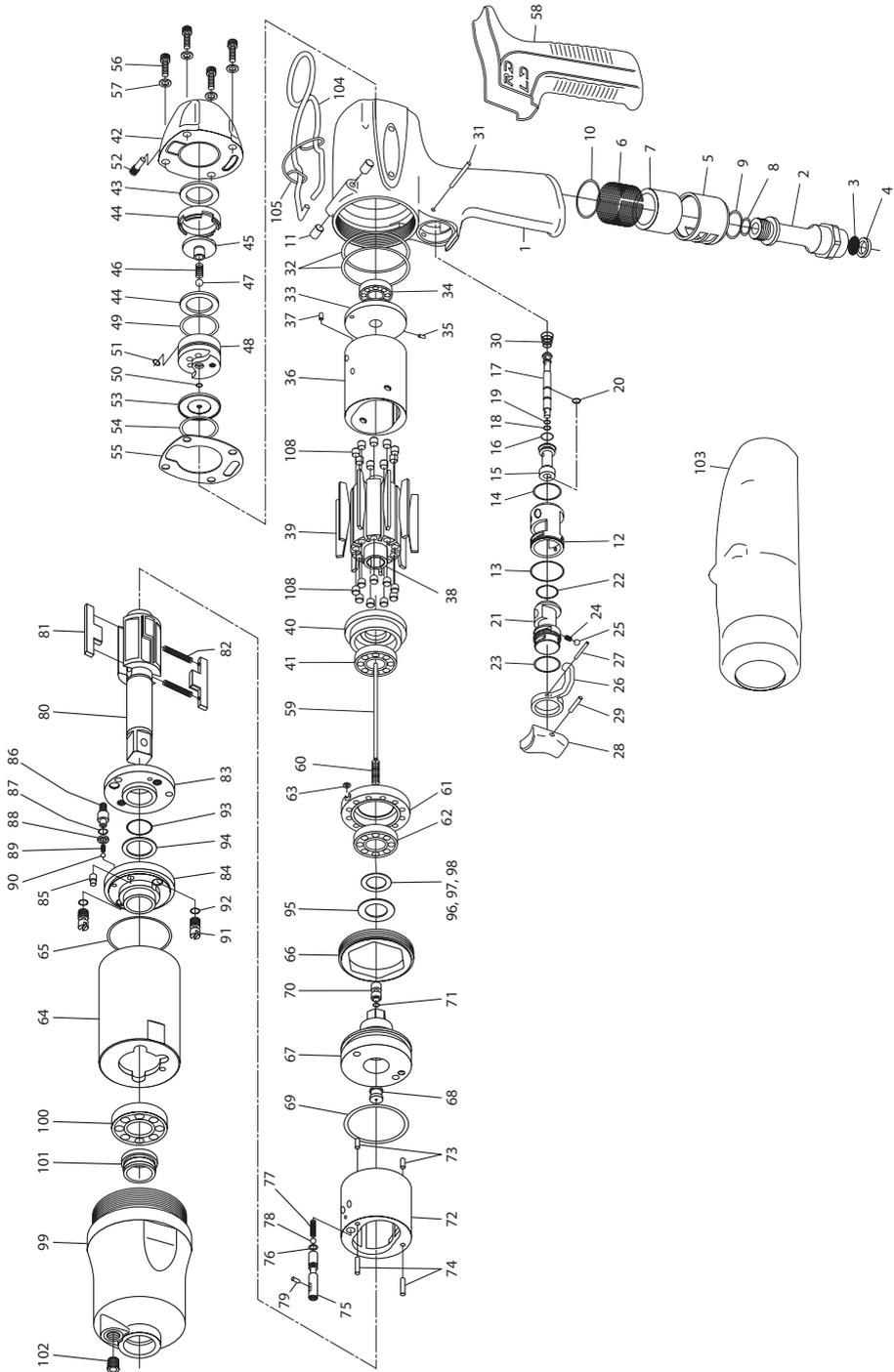
Item	Part Description	Part Number	Item	Part Description	Part Number
	Motor Case Assembly	Y-0379-0011-0099	58	Rubber Grip	Y-0188-0144-0000
1	Motor Case	---	59	Rod	Y-0379-1368-0000
	Hose Joint Assembly	Y-0187-0113-0099	60	Spring 4.3 x 21	Y-8020-1367-0000
2	Hose Joint	---		Lower Plate Spacer Assembly	Y-0379-0311-0099
† 3	Strainer	70P53-565	61	Lower Plate Spacer	Y-0379-0311-0000
4	Washer 7.5 x 11 x 2	70P53-442	† 62	Ball Bearing 6802	Y-9100-1063-0000
5	Exhaust Cover	Y-0379-0016-0000	63	Washer W5S84-2-2	Y-8041-6015-0000
6	Silencer Sheet A	70P3-505		Liner Case Assembly	Y-0379-0422-0095
7	Silencer Sheet D	Y-0187-0032-0004	64	Liner Case	Y-0379-0422-0000
† 8	O-ring S10	180PQ-288	† 65	O-ring 1.6 x 35.1 x 38.3	Y-9010-6037-0000
† 9	O-ring N16	55P3-303	66	Liner Cap	Y-0379-0423-0000
† 10	O-ring 1 x 20 x 22	Y-9010-6043-0000	67	Liner Upper Plate	Y-0379-0424-0000
11	Spring Pin 5 x 8 <SK5> (2)	Y-9250-2027-0000	68	Liner Upper Plate A	---
	Throttle Assembly	Y-0379-0186-0099	† 69	O-ring 1.78 x 34.65 x 38.21	Y-9010-6069-0000
12	Throttle Bushing	Y-0187-0104-0000	70	Sensor	Y-0379-0794-0000
† 13	O-ring 0.7 x 19.6 x 21	Y-9010-6038-0000	† 71	O-ring N4	Y-9011-0014-0000
† 14	O-ring N18	80099054		Liner Assembly	Y-0379-0425-0099
	Throttle Rod Bushing Assembly	Y-0187-0105-0099	72	Liner	---
15	Throttle Rod Bushing	---	73	Pin 3 x 5 <41-44HRC>	EQ2085-298
† 16	O-ring P8<HS90">	80098627	74	Pin 3 x 9 <41-44HRC>	Y-8052-1052-0000
	Throttle Rod Assembly	Y-0187-0106-0099	75	Relief Valve	Y-0379-0245-0000
17	Throttle Rod	Y-0187-0106-0000	76	O-ring 0.69 x 3.38 x 4.76	Y-9010-6070-0000
† 18	O-ring 0.5 x 3.7 x 4.7	Y-9010-6034-0000	77	Spring 3.2 x 8.1	Y-8020-1380-0000
† 19	O-ring N4	80099088	78	Ball M3 S	EQ1045-333
20	Snap Ring ETW-2.8	EQ106P-303	79	Pin 2 x 4	Y-8051-1035-0000
21	Reverse Valve	Y-0379-0005-0000	80	Main Shaft	Y-0379-0614-0098
† 22	O-ring 0.6 x 16 x 17.2	Y-9010-6039-0000	81	Blade	Y-0187-0719-0000
† 23	O-ring N15	EQ106P-283	82	Spring 3.55 x 31.5	Y-8020-1350-0000
24	Spring 3 x 4	100PQ-568	83	Liner Lower Plate A	Y-0379-0426-0001
25	Ball 1/8 S	EQ1045-929		Liner Lower Plate B Assembly	Y-0379-0426-0099
26	Reverse Lever	Y-2331-0007-0000	84	Liner Lower Plate B	Y-0379-0426-0002
27	Spring Pin 2 x 12	180SQ-152	85	Dowel Pin	Y-0188-0308-0000
28	Throttle Knob	80098502	86	Adjust Bolt	Y-0379-0522-0000
29	Spring Pin 1.5 x 14	EQ106P-265	† 87	O-ring N2	EQ1065-288
30	Conical Spring 5.24 x 7.6 x 7	Y-8020-3070-0000	88	Back-up Ring 3.2 x 5 x 1	Y-9090-1028-0000
31	Pin 2x22	380PQ-298	89	Spring 1.9 x 2.5	Y-8020-1365-0000
† 32	O-ring N42 (2)	EQ1065-36	90	Ball M2 S	Y-9150-1001-0000
	Motor Assembly	Y-0379-0305-0099	91	Oil Plug	Y-0181-0010-0000
	Upper Plate Assembly	Y-0379-0303-0099	† 92	O-ring N2 (2)	EQ1065-288
33	Upper Plate	Y-0379-0303-0000	† 93	O-ring P16	Y-9010-1047-0000
† 34	Ball Bearing 6900CM	55P53-105	94	Back-up Ring 16 x 19.8 x 1	Y-9090-1029-0000
35	Pin 2x5	Y-8055-1040-0000	95	Washer 11.6 x 19.2 x 1	Y-8040-6036-0000
	Cylinder Assembly	Y-0379-0304-0099	**96	ST-packing 11.6 x 19.2 x 0.1	Y-8012-1124-0000
36	Cylinder	---	**97	ST-packing 11.6 x 19.2 x 0.2	Y-8012-1125-0000
37	Pin 2.5 x 6	380SQ-298	**98	ST-packing 11.6 x 19.2 x 0.3	Y-8012-1126-0000
38	Rotor	Y-0379-0305-0000		Hammer Case Assembly	Y-0379-0401-0099
† 39	Vane (9)	Y-0379-0306-0000	99	Hammer Case	Y-0379-0401-0000
	Lower Plate Assembly	Y-0379-0307-0099	100	Ball Bearing 6074	Y-9100-1082-0000
40	Lower Plate	Y-0379-0307-0000	101	Main Shaft Bushing	Y-0379-0612-0000
† 41	Ball Bearing 6902CM	90P54-22	102	Socket Plug Nptf 1/16 x 27THR	EQ1065-377
42	Motor Case Cover	Y-0379-0001-0000		Standard Accessories	
43	Back-up Ring 19 x 26 x 1.5 (2)	Y-9090-1035-0000	103	Protector	Y-0379-0029-0000
44	Buffer Plate	Y-0379-0297-0000	104	Hanger	EQ1065-365A
45	Shut Off Valve	Y-0379-0295-0000	105	Hanger Clip	EQ1065-365B
46	Spring 3.95 x 8.4	Y-8020-1382-0000	*106	Hexagon Wrench H 1.5 x 65 x 65	55P3-900
47	Ball M4 S	80099526	*107	Hexagon Wrench H5/32	55P3-901
48	Shut Off Valve Bushing	Y-0379-0296-0000		Mechanism Tune-up Kit (Include items 62, 65, 69, 71, 87, 92, 93)	QS110P-TK1
† 49	O-ring N22	45P3-273		Motor Tune-up Kit (Include items 32, 34, 39, 41)	QS110P-TK2
† 50	O-ring N2	EQ1065-288		Housing Tune-up Kit (Include items 3, 8, 9, 10, 13, 14, 16, 18, 19, 22, 23, 49, 50, 51, 54)	QS110P-TK3
† 51	O-ring 1.4 x 2.16 x 4.96	Y-9010-6068-0000			
52	Valve Plug	Y-0379-0298-0000			
53	Upper Plate Spacer	Y-0379-0301-0000			
† 54	O-ring N22	45P3-273			
55	S-packing	Y-0379-0003-0000			
56	Hex. Bolt M4 x 10 (4)	Y-8070-3159-0000			
57	Washer 4 x 6.6 x 1.2 (4)	Y-8041-6016-0000			

* Not Illustrated.

** Use one of them.

† Indicates Tune-up Kits Parts.

QS120P4, Air Impulse Wrench - Exploded View



QS120P4, Air Impulse Wrench - Parts List

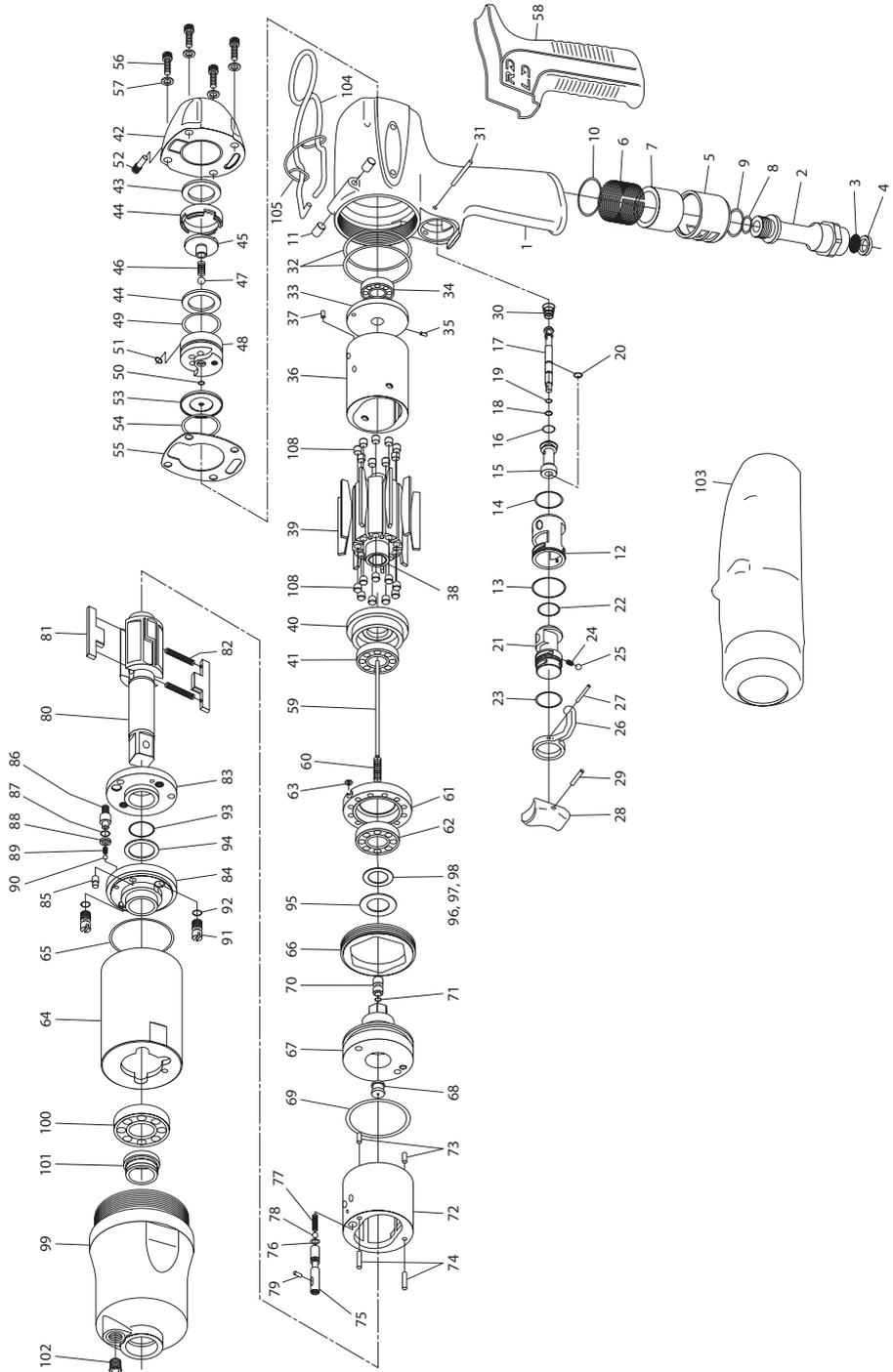
Item	Part Description	Part Number	Item	Part Description	Part Number
	Motor Case Assembly	Y-0380-0011-0099	58	Rubber Grip	Y-0188-0144-0000
1	Motor Case	---	59	Rod	Y-0380-1368-0000
	Hose Joint Assembly	Y-0345-0113-0099	60	Spring 4.3 x 21	Y-8020-1367-0000
2	Hose Joint	---		Lower Plate Spacer Assembly	Y-0380-0311-0099
† 3	Strainer	70P53-565	61	Lower Plate Spacer	Y-0380-0311-0000
4	Washer 7.5 x 11 x 2	70P53-442	† 62	Ball Bearing 6802	Y-9100-1063-0000
5	Exhaust Cover	Y-0380-0016-0000	63	Washer WSSB4-2-2	Y-8041-6015-0000
6	Silencer Sheet A	140P6-505		Liner Case Assembly	Y-0380-0422-0095
7	Silencer Sheet	Y-0335-0032-0000	64	Liner Case	Y-0380-0422-0000
† 8	O-ring S12	EQ1065-167	† 65	O-ring 1.4 x 39.6 x 42.4	Y-0380-6058-0000
† 9	O-ring N16	55P3-303	66	Liner Cap	Y-0380-0423-0000
† 10	O-ring N24	140P6-236	67	Liner Upper Plate	Y-0380-0424-0000
11	Spring Pin 5 x 8 <SK5> (2)	Y-9250-2027-0000	68	Liner Upper Plate A	---
	Throttle Assembly	Y-0380-0186-0099	† 69	O-ring 1.78 x 38.1 x 41.66	Y-9010-6071-0000
12	Throttle Bushing	Y-0341-0104-0000	70	Sensor	Y-0379-0794-0000
† 13	O-ring 0.7 x 21.5 x 22.9	Y-9010-6045-0000	† 71	O-ring N4	Y-9011-0014-0000
† 14	O-ring N20	100PQ-236		Liner Assembly	Y-0380-0425-0099
	Throttle Rod Bushing Assembly	Y-0341-0105-0099	72	Liner	---
15	Throttle Rod Bushing	---	73	Pin 3.5 x 5.8 <41-44HRC>	Y-8052-1046-0000
† 16	O-ring P10<HS90°>	Y-9010-1054-0000	74	Pin 3.5 x 9.8 <41-44HRC>	Y-8052-1054-0000
	Throttle Rod Assembly	Y-0341-0106-0199	75	Relief Valve	Y-0380-0245-0000
17	Throttle Rod	Y-0341-0106-0200	76	O-ring 0.71 x 3.76 x 5.18	Y-9010-6072-0000
† 18	O-ring 0.5 x 3.7 x 4.7	Y-9010-6034-0000	77	Spring 3.1 x 9.2	Y-8020-1383-0000
† 19	O-ring P4 <HS90° >	Y-9010-1056-0000	78	Ball M3.5 S	04351904
20	Snap Ring ETW-2.8	EQ106P-303	79	Pin 2 x 4.8	100PQ-298
21	Reverse Valve	Y-0380-0005-0000	80	Main Shaft	Y-0380-0614-0098
† 22	O-ring 0.6 x 18 x 19.2	Y-9010-6046-0000	81	Blade	Y-0342-0719-0000
† 23	O-ring N16	55P3-303	82	Spring 4 x 43	Y-8020-1354-0000
24	Spring 3 x 4	100PQ-568	83	Liner Lower Plate A	Y-0380-0426-0001
25	Ball 1/8 S	EQ1045-929		Liner Lower Plate B Assembly	Y-0380-0426-0099
26	Reverse Lever	Y-0341-0007-0000	84	Liner Lower Plate B	Y-0380-0426-0002
27	Spring Pin 2 x 12	180SQ-152	85	Dowel Pin	Y-0345-0308-0000
28	Throttle Knob	80098502	86	Adjust Bolt	Y-0380-0522-0000
29	Spring Pin 1.5 x 14	EQ106P-265	† 87	O-ring N2	EQ1065-288
30	Conical Spring 5.24 x 7.6 x 7	Y-8020-3070-0000	88	Back-up Ring 3.2 x 5 x 1	Y-9090-1028-0000
31	Pin 2x25	Y-8055-1051-0000	89	Spring 1.9 x 2.5	Y-8020-1365-0000
† 32	O-ring N46 (2)	90P4-236	90	Ball M2 S	Y-9150-1001-0000
	Motor Assembly	Y-0380-0305-0099	91	Oil Plug	Y-0181-0010-0000
	Upper Plate Assembly	Y-0380-0303-0099	† 92	O-ring N2 (2)	EQ1065-288
33	Upper Plate	Y-0380-0303-0000	† 93	O-ring P16	Y-9010-1047-0000
† 34	Ball Bearing 6900CM	55P3-105	94	Back-up Ring 16 x 19.8 x 1	Y-9090-1029-0000
35	Pin 2x5	Y-8055-1040-0000	95	Washer 11.6 x 19.2 x 1	Y-8040-6036-0000
	Cylinder Assembly	Y-0380-0304-0099	**96	ST-packing 11.6 x 19.2 x 0.1	Y-8012-1124-0000
36	Cylinder	---	**97	ST-packing 11.6 x 19.2 x 0.2	Y-8012-1125-0000
37	Pin 2.5 x 6	380SQ-298	**98	ST-packing 11.6 x 19.2 x 0.3	Y-8012-1126-0000
38	Rotor	Y-0380-0305-0000		Hammer Case Assembly	Y-0380-0401-0099
† 39	Vane (9)	Y-0380-0306-0000	99	Hammer Case	Y-0380-0401-0000
	Lower Plate Assembly	Y-0380-0307-0099	100	Ball Bearing 6074	Y-9100-1082-0000
40	Lower Plate	Y-0380-0307-0000	101	Main Shaft Bushing	Y-9107-0612-0000
† 41	Ball Bearing 6902CM	90P54-22	102	Socket Plug Nptf 1/16 x 27THR	EQ1065-377
42	Motor Case Cover	Y-0380-0001-0000		Standard Accessories	
43	Back-up Ring 19 x 26 x 1.5 (2)	Y-9090-1035-0000	103	Protector	Y-0380-0029-0000
44	Buffer Plate	Y-0380-0297-0000	104	Hanger	Y-0099-0017-0000
45	Shut Off Valve	Y-0379-0295-0000	105	Hanger Clip	Y-0190-1801-0000
46	Spring 3.95 x 8.6	Y-8020-1387-0000	*106	Hexagon Wrench H 1.5 x 65 x 65	55P3-900
47	Ball M4 S	80099526	*107	Hexagon Wrench H5/32	55P3-901
48	Shut Off Valve Bushing	Y-0379-0296-0000	108	Blind Cap (18)	Y-0380-0018-0000
† 49	O-ring N22	45P3-273		Mechanism Tune-up Kit (Include items 62, 65, 69, 71, 87, 92, 93)	QS120P-TK1
† 50	O-ring N2	EQ1065-288		Motor Tune-up Kit (Include items 32, 34, 39, 41)	QS120P-TK2
† 51	O-ring 1.4 x 2.16 x 4.96	Y-9010-6068-0000		Housing Tune-up Kit (Include items 3, 8, 9, 10, 13, 14, 16, 18, 19, 22, 23, 49, 50, 51, 54)	QS120P-TK3
52	Valve Plug	Y-0379-0298-0000			
53	Upper Plate Spacer	Y-0379-0301-0000			
† 54	O-ring N22	45P3-273			
55	S-packing	Y-0380-0003-0000			
56	Hex. Bolt M4 x 10 (4)	Y-8070-3159-0000			
57	Washer 4 x 6.6 x 1.2 (4)	Y-8041-6016-0000			

* Not Illustrated.

** Use one of them.

† Indicates Tune-up Kits Parts.

QS140P4, Air Impulse Wrench - Exploded View



QS140P4, Air Impulse Wrench - Parts List

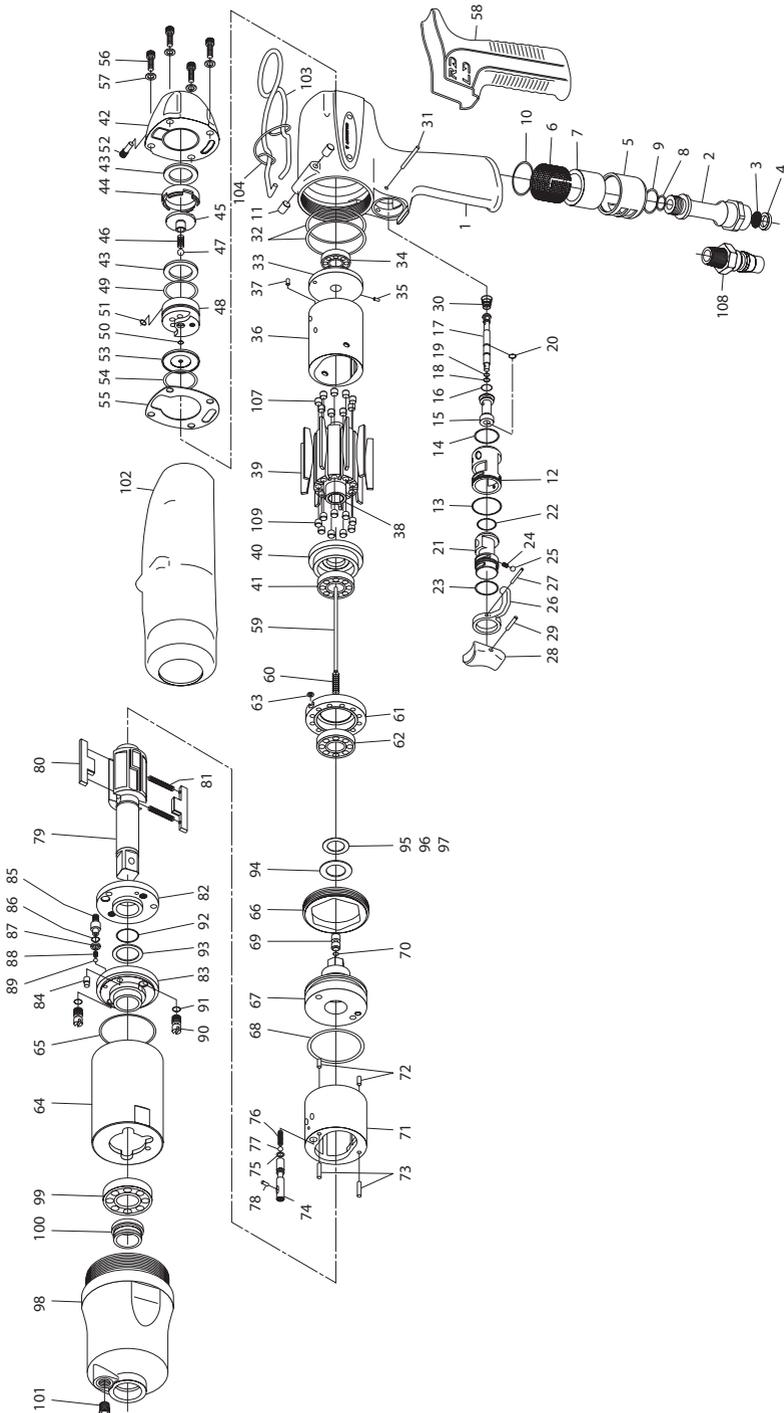
Item	Part Description	Part Number	Item	Part Description	Part Number
	Motor Case Assembly	Y-0381-0011-0099	58	Rubber Grip	Y-0188-0144-0000
1	Motor Case	---	59	Rod	Y-0381-1368-0000
	Hose Joint Assembly	Y-0345-0113-0099	60	Spring 5.4 x 20	Y-8020-1388-0000
2	Hose Joint	---		Lower Plate Spacer Assembly	Y-0381-0311-0099
† 3	Strainer	70PS3-565	61	Lower Plate Spacer	Y-0381-0311-0000
4	Washer 7.5 x 11 x 2	70PS3-442	† 62	Ball Bearing 6803	Y-9100-1061-0000
5	Exhaust Cover	Y-0380-0016-0000	63	Washer WSSB4-2-2	Y-8041-6015-0000
6	Silencer Sheet A	140P6-505		Liner Case Assembly	Y-0381-0422-0095
7	Silencer Sheet D	Y-0346-0032-0004	64	Liner Case	Y-0381-0422-0000
† 8	O-ring S12	EQ1065-167	† 65	O-ring 1.4 x 39.6 x 42.4	Y-9100-6058-0000
† 9	O-ring N16	55P3-303	66	Liner Cap	Y-0380-0423-0000
† 10	O-ring N24	140P6-236	67	Liner Upper Plate	Y-0381-0424-0000
11	Spring Pin 5 x 8 <SK5> (2)	Y-9250-2027-0000	68	Liner Upper Plate A	---
	Throttle Assembly	Y-0380-0186-0099	† 69	O-ring 1.78 x 38.1 x 41.66	Y-9100-6071-0000
12	Throttle Bushing	Y-0341-0104-0000	70	Sensor	Y-0379-0794-0000
† 13	O-ring 0.7 x 21.5 x 22.9	Y-9010-6045-0000	† 71	O-ring N4	Y-9011-0014-0000
† 14	O-ring N20	100PQ-236		Liner Assembly	Y-0381-0425-0099
	Throttle Rod Bushing Assembly	Y-0341-0105-0099	72	Liner	---
15	Throttle Rod Bushing	---	73	Pin 3.5 x 5.8 <41-44HRC>	Y-8052-1046-0000
† 16	O-ring P10<HS90>	Y-9010-1054-0000	74	Pin 3.5 x 9.8 <41-44HRC>	Y-8052-1054-0000
	Throttle Rod Assembly	Y-0341-0106-0199	75	Relief Valve	Y-0381-0245-0000
17	Throttle Rod	Y-0341-0106-0200	76	O-ring 0.71 x 3.76 x 5.18	Y-9010-6072-0000
† 18	O-ring 0.5 x 3.7 x 4.7	Y-9010-6034-0000	77	Spring 3.15 x 12.1	Y-8020-1385-0000
† 19	O-ring P4 <HS90>	Y-9010-1056-0000	78	Ball M3.5 S	04351904
20	Snap Ring ETW-2.8	EQ106P-303	79	Pin 2 x 4.8	100PQ-298
21	Reverse Valve	Y-0380-0005-0000	80	Main Shaft	Y-0381-0614-0098
† 22	O-ring 0.6 x 18 x 19.2	Y-9010-6046-0000	81	Blade	Y-0341-0719-0000
† 23	O-ring N16	55P3-303	82	Spring 3.9 x 43.5	Y-8020-1355-0000
24	Spring 3 x 4	100PQ-568	83	Liner Lower Plate A	Y-0380-0426-0001
25	Ball 1/8 S	EQ104S-929		Liner Lower Plate B Assembly	Y-0380-0426-0099
26	Reverse Lever	Y-0341-0007-0000	84	Liner Lower Plate B	Y-0380-0426-0002
27	Spring Pin 2 x 12	180SQ-152	85	Dowel Pin	Y-0345-0308-0000
28	Throttle Knob	80098502	86	Adjust Bolt	Y-0380-0522-0000
29	Spring Pin 1.5 x 14	EQ106P-265	† 87	O-ring N2	EQ1065-288
30	Conical Spring 5.24 x 7.6 x 7	Y-8020-3070-0000	88	Back-up Ring 3.2 x 5 x 1	Y-9090-1028-0000
31	Pin 2x25	Y-8055-1051-0000	89	Spring 1.9 x 2.5	Y-8020-1365-0000
† 32	O-ring 1.78 x 50.52 x 54.08 (2)	Y-9010-6073-0000	90	Ball M2 S	Y-9150-1001-0000
	Motor Assembly	Y-0381-0305-0099	91	Oil Plug	Y-0181-0010-0000
	Upper Plate Assembly	Y-0381-0303-0099	† 92	O-ring N2 (2)	EQ1065-288
33	Upper Plate	Y-0381-0303-0000	† 93	O-ring P16	Y-9010-1047-0000
† 34	Ball Bearing 6900CM	55P53-105	94	Back-up Ring 16 x 19.8 x 1	Y-9090-1029-0000
35	Pin 2x5	Y-8055-1040-0000	95	Washer 12.6 x 21 x 1	Y-8040-6037-0000
	Cylinder Assembly	Y-0381-0304-0099	**96	ST-packing 12.6 x 21 x 0.1	Y-8012-1127-0000
36	Cylinder	---	**97	ST-packing 12.6 x 21 x 0.2	Y-8012-1128-0000
37	Pin 2.5 x 6	380SQ-298	**98	ST-packing 12.6 x 21 x 0.3	Y-8012-1129-0000
38	Rotor	Y-0381-0305-0000		Hammer Case Assembly	Y-0381-0401-0099
† 39	Vane (9)	Y-0381-0306-0000	99	Hammer Case	Y-0381-0401-0000
	Lower Plate Assembly	Y-0381-0307-0099	100	Ball Bearing 6074	Y-9100-1082-0000
40	Lower Plate	Y-0381-0307-0000	101	Main Shaft Bushing	Y-0379-0612-0000
† 41	Ball Bearing 6903CM	Y-9102-1018-0000	102	Socket Plug Nptf 1/16 x 27THR	EQ1065-377
42	Motor Case Cover	Y-0381-0001-0000		Standard Accessories	
43	Back-up Ring 19 x 26 x 1.5 (2)	Y-9090-1035-0000	103	Protector	Y-0381-0029-0000
44	Buffer Plate	Y-0380-0297-0000	104	Hanger	EQ1065-365A
45	Shut Off Valve	Y-0379-0295-0000	105	Hanger Clip	EQ1065-365B
46	Spring 3.95 x 8.6	Y-8020-1387-0000	*106	Hexagon Wrench H 1.5 x 65 x 65	55P3-900
47	Ball M4 S	80099526	*107	Hexagon Wrench H5/32	55P3-901
48	Shut Off Valve Bushing	Y-0379-0296-0000	108	Blind Cap (18)	Y-0380-0018-0000
† 49	O-ring N22	45P3-273		Mechanism Tune-up Kit (Include items 62, 65, 69, 71, 87, 92, 93)	QS120P-TK1
† 50	O-ring N2	EQ1065-288		Motor Tune-up Kit (Include items 32, 34, 39, 41)	QS140P-TK2
† 51	O-ring 1.4 x 2.16 x 4.96	Y-9010-6068-0000		Housing Tune-up Kit (Include items 3, 8, 9, 10, 13, 14, 16, 18, 19, 22, 23, 51, 52, 53)	QS120P-TK3
52	Valve Plug	Y-0379-0298-0000			
53	Upper Plate Spacer	Y-0379-0301-0000			
54	O-ring N22	45P3-273			
55	S-packing	Y-0381-0003-0000			
56	Hex. Bolt M4 x 10 (4)	Y-8070-3159-0000			
57	Washer 4 x 6.6 x 1.2 (4)	Y-8041-6016-0000			

* Not Illustrated.

** Use one of them.

† Indicates Tune-up Kits Parts.

QS150P6, Air Impulse Wrench - Exploded View



QS150P6, Air Impulse Wrench - Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
	Motor Case Assembly	Y-0382-0011-0099	58	Rubber Grip	Y-0188-0144-0000
1	Motor Case	---	59	Rod	Y-0382-1368-0000
	Hose Joint Assembly	Y-0345-0113-0099	60	Spring 5.6 x 29	Y-8020-1398-0000
2	Hose Joint	---		Lower Plate Spacer Assembly	Y-0382-0311-0099
† 3	Strainer	70PS3-565	61	Lower Plate Spacer	Y-0382-0311-0000
4	Washer 7.5 x 11 x 2	70PS3-442	† 62	Ball Bearing 6804	Y-9100-1065-0000
5	Exhaust Cover	Y-0380-0016-0000	63	Washer WSSB4-2-2	Y-8041-6015-0000
6	Silencer Sheet A	140P6-505		Liner Case Assembly	Y-0382-0422-0099
7	Silencer Sheet D	Y-0346-0032-0004	64	Liner Case	Y-0382-0422-0000
† 8	O-ring S12	EQ1065-167	† 65	O-ring 1.5 x 49 x 52	Y-9010-6057-0000
† 9	O-ring S16	55P3-303	66	Liner Cap	Y-0382-0423-0000
† 10	O-ring S24	140P6-236	67	Liner Upper Plate	Y-0382-0424-0000
11	Spring Pin 5 x 8 <SK5> (2)	Y-9250-2027-0000	† 68	O-ring 2X48X52	Y-9010-6077-0000
	Throttle Assembly	Y-0380-0186-0099	69	Sensor	Y-0379-0794-0000
12	Throttle Bushing	Y-0341-0104-0000	† 70	O-ring N4	Y-9011-0014-0000
† 13	O-ring 0.7 x 21.5 x 22.9	Y-9010-6045-0000		Liner Assembly	Y-0382-0425-0099
† 14	O-ring S20	100PQ-236	71	Liner	---
	Throttle Rod Bushing Assembly	Y-0341-0105-0099	72	Pin 4X5 <41-44HRC> (2)	Y-8052-1051-0000
15	Throttle Rod Bushing	---	73	Pin 4X9.8 <41-44HRC> (2)	Y-8052-1055-0000
† 16	O-ring P10<HS90>	Y-9010-1054-0000	74	Relief Valve	Y-0382-0245-0000
	Throttle Rod Assembly	Y-0341-0106-0299	75	O-ring 0.8X4.6X6.2	Y-9010-6078-0000
17	Throttle Rod	Y-0341-0106-0100	76	Spring 4.1X16.1	Y-8020-1395-0000
† 18	O-ring 0.5 x 3.7 x 4.7	Y-9010-6034-0000	77	Ball M4 S	80099526
† 19	O-ring P4 <HS90>	Y-9010-1056-0000	78	Pin 2 x 4.8	100PQ-298
20	Snap Ring ETW-2.8	EQ106P-303	79	Main Shaft	Y-0382-0614-0001
21	Reverse Valve	Y-0380-0005-0000	80	Blade	Y-0382-0719-0000
† 22	O-ring 0.6 x 18 x 19.2	Y-9010-6046-0000	81	Spring 3.9 X 51.5	Y-8020-1360-0000
† 23	O-ring S16	55P3-303	82	Liner Lower Plate A	Y-0382-0426-0001
24	Spring 3 x 4	100PQ-568		Liner Lower Plate B Assembly	Y-0382-0426-0099
25	Ball 1/8 S	EQ1045-929	83	Liner Lower Plate B	Y-0382-0426-0002
26	Reverse Lever	Y-0341-0007-0000	84	Dowel Pin	Y-0345-0308-0000
27	Spring Pin 2 x 12	180SQ-152	85	Adjust Bolt	Y-0382-0522-0000
28	Throttle Knob	80098502	† 86	O-ring S4	80099088
29	Spring Pin 1.5 x 14	EQ106P-265	87	Back-up Ring 4X6.2X1.25	130P4-224
30	Conical Spring 5.24 x 7.6 x 7	Y-8020-3070-0000	88	Spring 1.9 x 2.5	Y-8020-1365-0000
31	Pin 2x25	Y-8055-1051-0000	89	Ball M2 S	Y-9150-1001-0000
† 32	O-ring 1.78X56.87X60.43 (2)	Y-9010-6075-0000	90	Oil Plug (2)	Y-0181-0010-0000
	Motor Assembly	Y-0382-0305-0099	† 91	O-ring N2 (2)	EQ1065-288
	Upper Plate Assembly	Y-0382-0303-0099	† 92	O-ring JASO 2025	Y-9011-7003-0000
33	Upper Plate	Y-0382-0303-0000	93	Back-up Ring 25X29X1	EQ230P-272
† 34	Ball Bearing 6901CM	Y-9102-1003-0000	94	Washer 13.8X23X1	Y-8040-6038-0000
35	Pin 2x5	Y-8055-1040-0000	**95	ST-packing 13.8X23X0.1	Y-8011-1137-0000
	Cylinder Assembly	Y-0382-0304-0099	**96	ST-packing 13.8X23X0.2	Y-8011-1138-0000
36	Cylinder	---	**97	ST-packing 13.8X23X0.3	Y-8011-1139-0000
37	Pin 2.5 x 6	380SQ-298		Hammer Case Assembly	Y-0382-0401-0099
38	Rotor	Y-0382-0305-0000	98	Hammer Case	Y-0382-0401-0000
† 39	Vane (9)	Y-0382-0306-0000	99	Ball Bearing 6706	Y-9100-1083-0000
	Lower Plate Assembly	Y-0382-0307-0099	100	Main Shaft Bushing	Y-0382-0612-0000
40	Lower Plate	Y-0382-0307-0000	101	Socket Plug NPTF 1/16 x 27THR	EQ1065-377
† 41	Ball Bearing 6804	Y-9100-1065-0000		Standard Accessories	
42	Motor Case Cover	Y-0382-0001-0000	102	Protector	Y-0382-0029-0000
43	Back-up Ring 22 x 29 x 1.5 (2)	Y-9090-1036-0000	103	Hanger	EQ1065-365A
44	Buffer Plate	Y-0382-0297-0100	104	Hanger Clip	EQ1065-365B
45	Shut Off Valve	Y-0382-0295-0000	*105	Hexagon Wrench H2 x 65 x 65	04355012
46	Spring 4.05 x 11.7	Y-8020-1397-0000	*106	Hexagon Wrench H5/32	55P3-901
47	Ball M4 S	80099526	107	Blind Cap (18)	Y-0382-0018-0000
48	Shut Off Valve Bushing	Y-0382-0296-0000	108	Touch Joint 1/4-02	Y-9690-0002-0000
† 49	O-ring 1.5X25X28	Y-9010-6076-0000		Mechanism Tune-up Kit (Include items 62, 65, 68, 70, 86, 91, 92)	QS150P-TK1
† 50	O-ring N2	EQ1065-288		Motor Tune-up Kit (Include items 32, 34, 39, 41)	QS150P-TK2
† 51	O-ring 1.4 x 2.16 x 4.96	Y-9010-6068-0000		Housing Tune-up Kit (Include items 3, 8, 9, 10, 13, 14, 16, 18, 19, 22, 23, 49, 50, 51)	QS150P-TK3
52	Valve Plug	Y-0379-0298-0000			
53	Upper Plate Spacer	Y-0382-0301-0000			
54	O-ring 1.5X25X28	Y-9010 6076 0000			
55	S-packing	Y-0382-0003-0000			
56	Hex. Bolt M5X12 (4)	Y-8070-3160-0000			
57	Washer 5X8.4X1.2 (4)	Y-8041-6017-0000			

* Not Illustrated.

** Use one of them.

† Indicates Tune-up Kits Parts.

Jigs - Parts List

Descriptions	Parts Number			QS150P6
	QS110P4	QS120P4	QS140P4	
Jig A (Removing & Tightening Jig for Liner Cap)	Y-0379-0990-0001	Y-0380-0990-0001		Y-0382-0990-0001
Jig B (Removing Jig for Liner Case)	Y-0175-0990-0002			Y-0382-0990-0002
Jig C (Removing Jig for Liner Case)	Y-0187-0990-0003	Y-0341-0990-0003		Y-0382-0990-0003
Jig (E) (Installation Jig for O-Ring)	Y-0161-0990-0005 Y-0379-0990-0005			
Jig H (Installation, Removal & Support Jig for Liner Cap)	Y-0189-0990-0008			Y-0382-0990-0008
Minus Driver (Removing & Tightening Jig for Oil Plug)	Y-8690-2001-0000			
Jig P Assy (Tightening Jig for Hammer Case)	Y-0379-0990-0098	Y-0380-0990-0098	Y-0381-0990-0098	Y-0382-0990-0098
Socket Adapter 1/2x3/8 (Tightening Jig for Hammer Case)	Y-8290-0005-0000			---
Jig W (Removing Jig for Motor Assy)	Y-0379-0990-0023		Y-0381-0990-0023	Y-0382-0990-0023
Jig X (Lower Plate Spacer Jig for Motor Assy)	Y-0379-0990-0024	Y-0380-0990-0024		Y-0382-0990-0024

Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

Related Documentation

For additional information refer to:

Product Safety Information Manual 04584983.

Product Information Manual 47156203.

Maintenance Information Manual 47156310.

Manuals can be downloaded from www.ingersollrandproducts.com.

Notes:

www.ingersollrandproducts.com

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