



16574774
Edition 2
October 2007

Air Pulse Tools

46PQ1, 46P3, 56PQ1, 56P3, 61PQ1 and 61P3

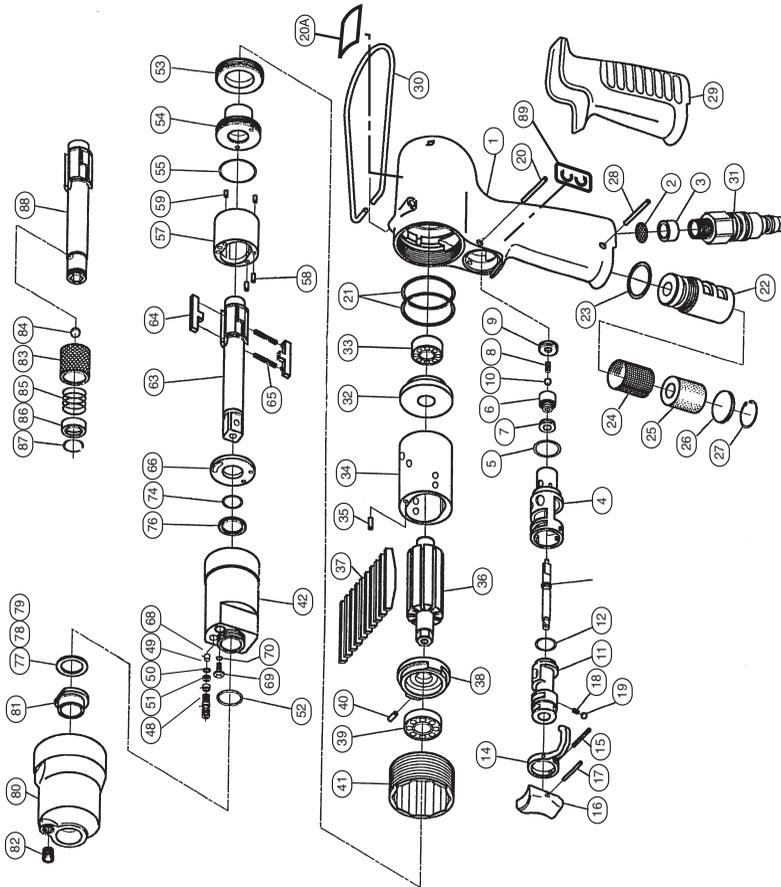
Parts Information



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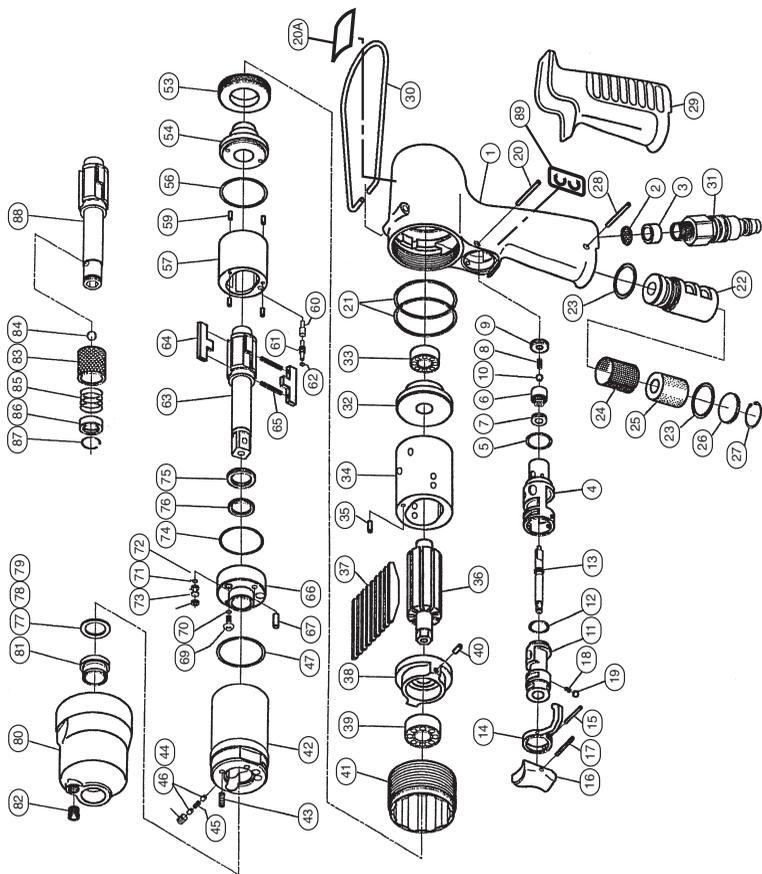
 **Ingersoll Rand**

46P3 Impulse Wrench Exploded Diagram



(Dwg. TP2035-1)

56P3 and 61P3 Impulse Wrench Exploded Diagram



(Dwg. TP2036-1)

46PQ1, 46P3, 56PQ1, 56P3, 61PQ1 and 61P3 Impulse Wrench Parts List

Item	Part Description	Model 46P3	Model 46PQ1	Model 56P3	Model 56PQ1	Model 61P3	Model 61PQ1
---	Motor Case Assembly	46P3-A40	46P3-A40	56P3-A40	56P3-A40	61P3-A40	61P3-A40
1	Motor Case	---	---	---	---	---	---
2	Strainer	70PS3-565	70PS3-565	70PS3-565	70PS3-565	70PS3-565	70PS3-565
3	Washer	46P3-229	46P3-229	46P3-229	46P3-229	46P3-229	46P3-229
4	Throttle Bushing	80098411	80098411	80098411	80098411	80098411	80098411
5	O-Ring	55P3-303	55P3-303	55P3-303	55P3-303	55P3-303	55P3-303
---	Throttle Valve Assembly	80102106	80102106	80102114	80102114	80098429	80098429
6	Throttle Valve	---	---	---	---	---	---
7	Rubber Pad	80098437	80098437	80098437	80098437	80098437	80098437
8	Spring	80098445	80098445	80098445	80098445	80098445	80098445
9	Throttle Bushing Cap	80098452	80098452	80098452	80098452	80098452	80098452
10	Ball	80098460	80098460	80098460	80098460	80098460	80098460
11	Reverse Valve	80098478	80098478	80098478	80098478	80098478	80098478
12	O-Ring	180SQ-289	180SQ-289	180SQ-289	180SQ-289	180SQ-289	180SQ-289
13	Throttle Rod	80098486	80098486	80098486	80098486	80098486	80098486
14	Reverse Lever	45PS3-328	45PS3-328	45PS3-328	45PS3-328	45PS3-328	45PS3-328
15	Spring Pin	180SQ-152	180SQ-152	180SQ-152	180SQ-152	180SQ-152	180SQ-152
16	Throttle Knob	80098502	80098502	80098502	80098502	80098502	80098502
17	Spring Pin	EQ106P-265	EQ106P-265	EQ106P-265	EQ106P-265	EQ106P-265	EQ106P-265
18	Spring	100PQ-568	100PQ-568	100PQ-568	100PQ-568	100PQ-568	100PQ-568
19	Ball	EQ104S-929	EQ104S-929	EQ104S-929	EQ104S-929	EQ104S-929	EQ104S-929
20	Pin	80098510	80098510	80098510	80098510	80098510	80098510
20A	Warning Label	WARNING-27-99	WARNING-27-99	WARNING-27-99	WARNING-27-99	WARNING-27-99	WARNING-27-99
21	O-Ring (qty 2)	45P3-223	45P3-223	56P3-223	56P3-223	56P3-223	56P3-223
---	Silencer Assembly	46P3-A23	46P3-A23	56P3-A23	56P3-A23	56P3-A23	56P3-A23
22	Silencer Body	---	---	---	---	---	---
23	O-Ring	46P3-233	46P3-233	N/A	N/A	N/A	N/A
---	O-Ring (qty 2)	N/A	N/A	46P3-233	46P3-233	46P3-233	46P3-233
24	Silencer Sheet	46P3-565	46P3-565	56P3-565	56P3-565	56P3-565	56P3-565
25	Silencer Sheet	46P3-566	46P3-566	56P3-566	56P3-566	56P3-566	56P3-566
26	Silencer Cap	46P3-206	46P3-206	56P3-206	56P3-206	56P3-206	56P3-206
27	Snap Ring	46P3-18	46P3-18	56P3-18	56P3-18	56P3-18	56P3-18
28	Pin	55P3-120	55P3-120	55P3-120	55P3-120	55P3-120	55P3-120
29	Rubber Grip	46P3-2	46P3-2	46P3-2	46P3-2	46P3-2	46P3-2
30	Hanger	EQ106S-365	EQ106S-365	EQ106S-365	EQ106S-365	EQ106S-365	EQ106S-365
31	Universal Air Joint	46P3-980	46P3-980	46P3-980	46P3-980	46P3-980	46P3-980
---	Upper Plate Assembly	45P3-A12	45P3-A12	55P3-A212	55P3-A212	55P3-A212	55P3-A212
32	Upper Plate	45P3-12	45P3-12	---	---	---	---
33	Ball Bearing	45P3-22	45P3-22	500A-22	500A-22	500A-22	500A-22
---	Cylinder Assembly	45P3-A3	45P3-A3	56P3-A3	56P3-A3	61P3-A3	61P3-A3
34	Cylinder	---	---	---	---	---	---
35	Pin	45P3-297	45P3-297	380SQ-298	380SQ-298	380SQ-298	380SQ-298
36	Rotor	45P3-53	45P3-53	55P3-53	55P3-53	60P3-53	60P3-53
37	Vane Pack (Set of 9)	45P3-42-9	45P3-42-9	55P3-42-9	55P3-42-9	60P3-42-9	60P3-42-9
---	Lower Plate Assembly	45P3-A11	45P3-A11	55P3-A11	55P3-A11	60P3-A11	60P3-A11
38	Lower Plate	45P3-11	45P3-11	---	---	---	---
39	Ball Bearing	500P-22	500P-22	500P-22	500P-22	500P-22	500P-22
40	Pin	45P3-297	45P3-297	380SQ-298	380SQ-298	380SQ-298	380SQ-298
41	Lower Plate Spacer	45P3-10	45P3-10	56P3-10	56P3-10	60P3-10	60P3-10
---	Liner Case Assembly	45P3-A31	45P3-A31	180PQ-A31	180PQ-A31	60P3-A31	60P3-A31
42	Liner Case	N/A	N/A	---	---	---	---
43	Screw	N/A	N/A	180PQ-230	180PQ-230	180PQ-230	180PQ-230
44	Rubber Plate (qty 2)	N/A	N/A	180PQ-283	180PQ-283	60P3-283	60P3-283
45	Spring	N/A	N/A	180PQ-219	180PQ-219	70P3-219	70P3-219
46	Screw	N/A	N/A	500A-230	500A-230	70P3-230	70P3-230
47	O-Ring	N/A	N/A	180PQ-236	180PQ-236	180PQ-236	180PQ-236
---	Adjust Bolt Assembly	100PQ-A230A	100PQ-A230A	N/A	N/A	N/A	N/A
48	Adjust Bolt	---	---	N/A	N/A	N/A	N/A

46PQ1, 46P3, 56PQ1, 56P3, 61PQ1 and 61P3 Impulse Wrench Parts List

Item	Part Description	Model 46P3	Model 46PQ1	Model 56P3	Model 56PQ1	Model 61P3	Model 61PQ1
49	O-Ring	EQ106S-288	EQ106S-288	N/A	N/A	N/A	N/A
50	Back-up Ring	380SQ-272	380SQ-272	N/A	N/A	N/A	N/A
51	Nylon Bushing	04351631	04351631	N/A	N/A	N/A	N/A
52	Retaining Ring	45PQ-271	45PQ-271	N/A	N/A	N/A	N/A
53	Liner Cap	45P3-207	45P3-207	180PQ-207	180PQ-207	180PQ-207	180PQ-207
---	Liner Upper Plate Assembly	45P3-A212	45P3-A212	N/A	N/A	N/A	N/A
54	Liner Upper Plate	---	---	60P3-A212	60P3-A212	60P3-A212	60P3-A212
55	O-Ring	45P3-273	45P3-273	N/A	N/A	N/A	N/A
56	O-Ring	N/A	N/A	180PQ-273	180PQ-273	180PQ-273	180PQ-273
---	Liner Assembly	45P3-A203	45P3-A203	55P3-A203	55P3-A203	60P3-A203	60P3-A203
57	Liner	---	---	---	---	---	---
58	Pin (qty 2)	45P3-298	45P3-298	N/A	N/A	N/A	N/A
59	Pin (qty 2)	45P3-299	45P3-299	N/A	N/A	N/A	N/A
---	Pin (qty 4)	N/A	N/A	180PQ-298	180PQ-298	180PQ-298	180PQ-298
60	Relief Valve	N/A	N/A	180PQ-222	180PQ-222	280PQ-222	280PQ-222
---	Spring Guide Assembly	N/A	N/A	180PQ-A255	180PQ-A255	280PQ-A255	280PQ-A255
61	Spring Guide	N/A	N/A	---	---	---	---
62	O-Ring	N/A	N/A	180PQ-272	180PQ-272	180PQ-272	180PQ-272
63	Main Shaft Assembly	46P3-A626	N/A	56P3-A626	N/A	61P3-A626	N/A
63a	Pin	45PS3-98	---	45PS3-98	---	45PS3-98	---
63b	Spring	45PS3-718	---	45PS3-718	---	45PS3-718	---
63c	Blind Cap	45PS3-202	---	45PS3-202	---	45PS3-202	---
64	Blade (qty 2)	45P3-220	45P3-220	180PQ-A627	180PQ-A627	280PQ-A627	280PQ-A627
65	Spring (qty 2)	45P3-568	45P3-568	180PQ-568	180PQ-568	180PQ-568	180PQ-568
---	Liner Lower Plate Assembly	N/A	N/A	180PQ-A211	180PQ-A211	180PQ-A211	180PQ-A211
66	Liner Lower Plate	45P3-239	45P3-239	---	---	---	---
67	Spring Pin	N/A	N/A	180PQ-232	180PQ-232	180PQ-232	180PQ-232
68	Pin	BP10P3-944	BP10P3-944	N/A	N/A	N/A	N/A
69	Oil Plug	180PQ-277	180PQ-277	180PQ-277	180PQ-277	180PQ-277	180PQ-277
70	O-Ring	EQ110P-288	EQ110P-288	EQ110P-288	EQ110P-288	EQ110P-288	EQ110P-288
---	Oil Stop Cap Assembly	N/A	N/A	180PQ-A38	180PQ-A38	180PQ-A38	180PQ-A38
71	Oil Stop Cap	N/A	N/A	---	---	---	---
72	O-Ring	N/A	N/A	EQ106S-288	EQ106S-288	EQ106S-288	EQ106S-288
73	Back-up Ring	N/A	N/A	380SQ-272	380SQ-272	380SQ-272	380SQ-272
74	O-Ring	46P3-234	46P3-234	EQ104S-236	EQ104S-236	EQ104S-236	EQ104S-236
75	X-Ring	N/A	N/A	55P3-271	55P3-271	55P3-271	55P3-271
76	Back-up Ring	55P3-224	55P3-224	55P3-224	55P3-224	55P3-224	55P3-224
77	Washer	45PS3-229	45PS3-229	45PS3-229	45PS3-229	45PS3-229	45PS3-229
78	Washer	180PQ-229	180PQ-229	180PQ-229	180PQ-229	180PQ-229	180PQ-229
79	Washer	45P3-229	45P3-229	45P3-229	45P3-229	45P3-229	45P3-229
---	Hammer Case Assembly	45P3-A727	45P3-A727	55P3-A727	55P3-A727	60P3-A727	60P3-A727
80	Hammer Case	45P3-727	45P3-727	55P3-727	55P3-727	60P3-727	60P3-727
81	Main Shaft Bushing	45P3-641	45P3-641	55P3-641	55P3-641	55P3-641	55P3-641
82	Socket Plug	60P3-95	60P3-95	60P3-95	60P3-95	60P3-95	60P3-95
83	Bit Chuck	N/A	EQ104S-930	N/A	EQ104S-930	N/A	EQ104S-930
84	Ball	N/A	EQ104S-929	N/A	EQ104S-929	N/A	EQ104S-929
85	Spring	N/A	EQ104S-931	N/A	EQ104S-931	N/A	EQ104S-931
86	Spring Washer	N/A	EQ104S-932	N/A	EQ104S-932	N/A	EQ104S-932
87	Retaining Ring	N/A	EQ104S-933	N/A	EQ104S-933	N/A	EQ104S-933
88	Main Shaft	N/A	46PQ1-A626	N/A	55P3-726	N/A	61PQ1-A626
89	Label	60P3-99	60P3-99	60P3-99	60P3-99	60P3-99	60P3-99
+	Nameplate	46P3-301	46PQ1-301	56P3-301	56PQ1-301	61P3-301	61PQ1-301
+	Information Label	46P3-99	46P3-99	46P3-99	46P3-99	46P3-99	46P3-99
+	Hex Wrench	04355012	04355012	55P3-900	55P3-900	55P3-900	55P3-900
+	Hex Wrench	55P3-901	55P3-901	55P3-901	55P3-901	55P3-901	55P3-901
+	Protector	46P3-941	46P3-941	56P3-941	56P3-941	61P3-941	61P3-941
* +	Motor Tune Up Kit (includes 5, 7, 8, 10, 12, 18, 19, 21, 23, 24, 25, 33, 37, 38 and 39)	46P-TK1	46P-TK1	56P-TK1	56P-TK1	61P-TK1	61P-TK1

+ Not illustrated.

* Item purchased separate from tool.

46PQ1, 46P3, 56PQ1, 56P3, 61PQ1 and 61P3 Impulse Wrench Parts List

Item	Part Description	Model 46P3	Model 46PQ1	Model 56P3	Model 56PQ1	Model 61P3	Model 61PQ1
* +	Mechanism Tune Up Kit (includes 44, 45, 47, 49, 50, 51, 55, 56, 62, 65, 70, 72, 73, 74, 75 and 76)	46P-TKMS1	46P-TKMS1	56P-TKMS1	56P-TKMS1	56P-TKMS1	56P-TKMS1
* +	Tool Kit for disassembly and assembly	46P-99	46P-99	56P-99	56P-99	56P-99	56P-99

+ Not Illustrated.

* Item purchased separate from tool.

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 80167588.

Maintenance Information Manual 16575417.

Manuals can be downloaded from www.irtools.com.

Notes:

www.irtools.com

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