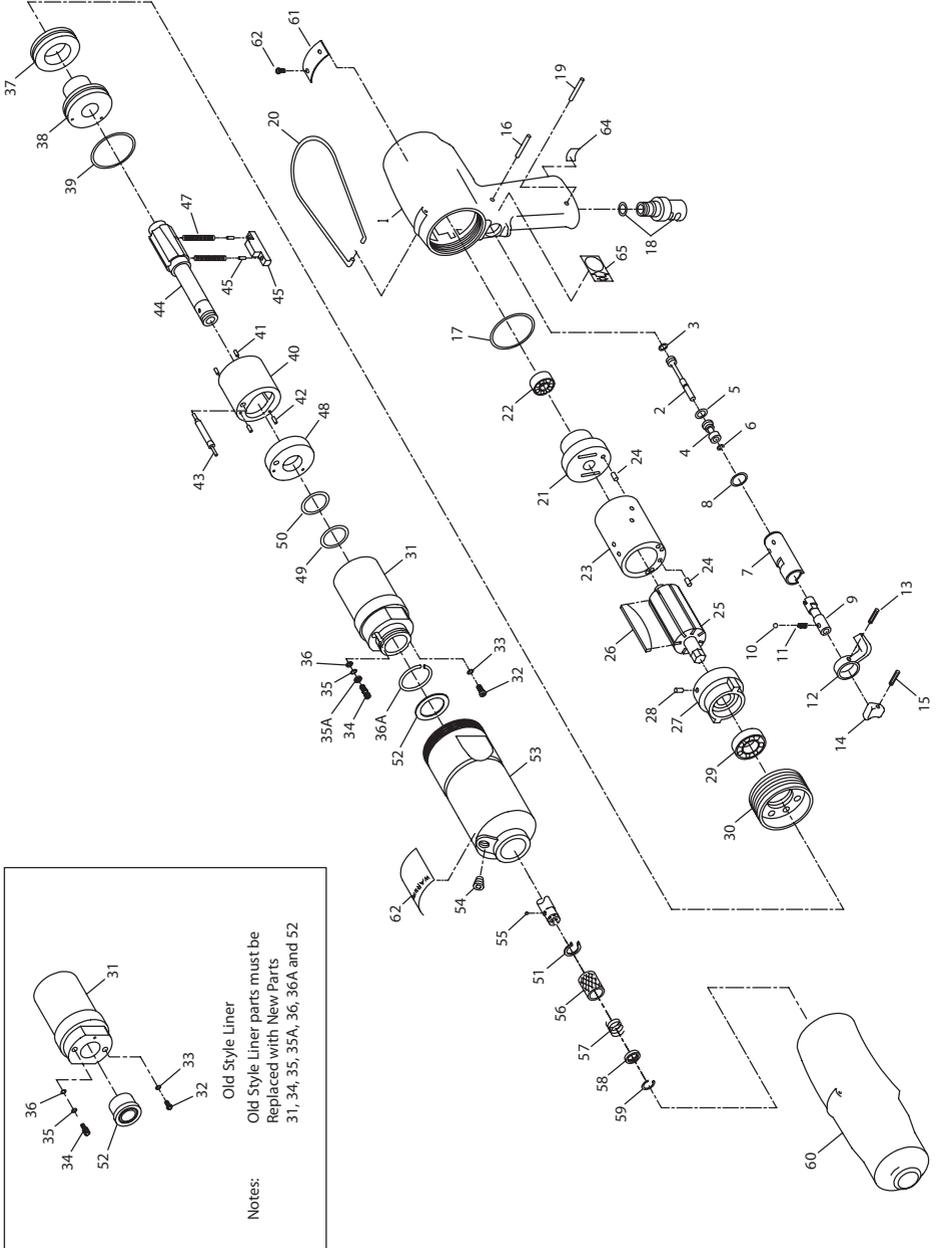


**100PQ1, Air Impulse Wrench (Twin Blade) - Exploded View**



(Dwg. TPA1359-3)

## 100PQ1, Air Impulse Wrench (Twin Blade) - Exploded View

Item	Part Description	Part Number	Item	Part Description	Part Number
	Motor Housing Assembly	100PQ-A40	40	Liner Assembly	100PQ-A203
1	Motor Housing	100PQ-40	41	Liner Rear Pin (2)	180PQ-298
2	Throttle Rod Assembly	EQ112P-A302	42	Liner Front Pin (2)	100SQ-298
3	Throttle Rod Seal	EQ106P-288	43	Relief Valve	100PQ-222
4	Throttle Valve Assembly	EQ106P-A304	44	Drive Shaft	100PQ-626
5	Throttle Valve Seal	100PQ-288	45	Blade Assembly	100PQ-A627
6	Throttle Valve Retainer	EQ106P-303	46	Blade Spring Pin (2)	---
7	Throttle Bushing Assembly	100PQ-A503	47	Blade Spring (2)	100PQ-569
8	Throttle Bushing Seal	EQ106P-283	48	Front Liner Cover Assembly	100PQ-A211
9	Reverse Valve	100PQ-329	49	Drive Shaft Seal	100PQ-237
10	Reverse Valve Detent Ball	EQ1045-929	50	Seal Back-up Ring	100PQ-272
11	Reverse Valve Detent Spring	100PQ-568	51	Retaining Sleeve Spring Stop	100PQ-303
12	Reverse Lever	100PQ-328	52	Mechanism Cover Spacer	
13	Reverse Lever Retaining Pin	180SQ-152		for old style units	100PQ-274
14	Trigger	EQ106P-93		for new style units	4351656
15	Trigger Retaining Pin	EQ106P-265		Mechanism Cover Assembly	100PQ-A727
16	Throttle Retaining Pin	100PQ-297	53	Mechanism Cover	100PQ-727
17	Rear Motor Seal	380PQ-236	54	Adjustment Hole Plug	100PQ-95
18	Exhaust Deflector Assembly	180PQ-A23		Bit Chuck Assembly	180PQ-A667
19	Deflector Retaining Pin	EQ106P-152	55	Bit Retaining Ball	EQ1045-929
20	Hanger	EQ1065-365	56	Bit Retaining Sleeve	EQ1045-930
21	Rear End Plate Assembly	100PQ-A12	57	Retaining Sleeve Spring	EQ1045-931
22	Rear Rotor Bearing	100PQ-22	58	Spring Seat	EQ1045-932
23	Cylinder Assembly	100PQ-A3	59	Retaining Ring	EQ1045-933
24	End Plate Dowel (2)	100PQ-298	60	Rubber Housing Boot	100PQ-2
25	Rotor	100PQ-53	61	Nameplate	
26	Vane Packet (set of 7 Vanes)	100PQ-42-7		for models ending in -EU	100PQ1-EU-301
27	Front End Plate Assembly	100PQ-A11		for all other models	100PQ-301
28	End Plate Alignment Pin	100PQ-298	62	Nameplate Screw (2)	100PQ-322
29	Front Rotor Bearing	500A-22	63	Warning Label	
30	Front End Plate Spacer	100PQ-41		for models ending in -EU	EU-99
	Impulse Unit Drive Assembly			for all other models	WARNING-2-99
	for old style units	100PQ-A200	*	Forward Rotation Label (for models ending in -EU only)	7802R-EU-F99
	for new style units	100PQ-A200A	*	Reverse Rotation Label (for models ending in -EU only)	7802R-EU-R99
31	Liner Housing		64	Oil Daily Label	500P-69
	for old style units	100PQ-31	65	Two Speed Trigger Label	180PQ-68
	for new style units	100PQ-31A	*	Fluid Replacement Kit (includes Fluid Syringe, Fill Tube and 4 oz [31 mL] of Replacement Fluid)	EQ1065-K400
32	Oil Plug	180PQ-277			
33	Oil Plug Seal	EQ110P-288	*	Replacement Fluid (4 oz)	EQ1065-400-1
34	Torque Adjustment Bolt Assembly	100PQ-A230A	*	Replacement Fluid (1 gal)	EQ1065-BF400-1
35	Adjustment Bolt Seal	EQ1065-288	*	Motor Tune-up kit (includes illustrated items 17, 22, 26 and 29)	100PQ-K500
35A	Seal Washer	4351631			
36	Seal Back-up Ring	380SQ-272	*	Mechanism Tune-up Kit (includes illustrated items 33, 35, 35A, 36, 39, 47 [2], 49, 50, 52, 55 and 57)	100PQ-K600
36A	Adjustment Bolt Stop Ring (for new style units only)	4351623	*	Repair Tool Kit (includes all the specialized tooling required to repair these tools and consists of two Spanner Plugs, a Tee Wrench with a special tip, an O-ring Installer Fixture and a pressing fixture that has a Disassembly Arbor and Pressing Sleeve)	100PQ-99
37	Housing Cap	100PQ-207			
38	Rear Liner Cover Assembly	100PQ-A212			
39	Rear Liner Cover O-ring	100PQ-236			

\* Not Illustrated

## 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 04580916.

Product Information Manual 47133053.

Maintenance Information Manual 47109525.

Manuals can be downloaded from [www.ingersollrandproducts.com](http://www.ingersollrandproducts.com)



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