



47135694
Edition 1
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Air Impulse Wrench (Twin Blade)

Model 1100PS4 and 1900PS4

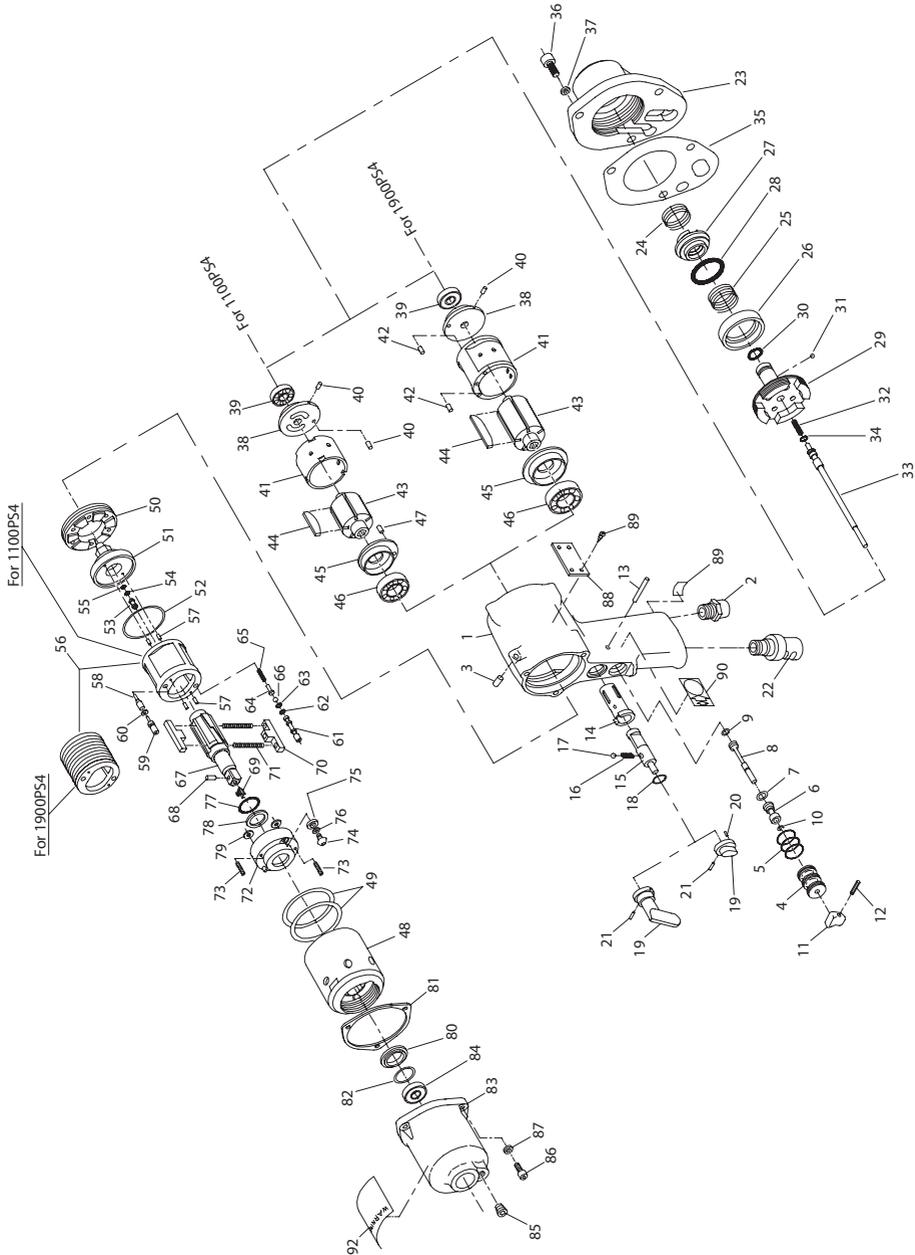
Parts Information



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 **Ingersoll Rand**

1100PS4 and 1900PS4, Air Impulse Wrench (Twin Blade) - Exploded View



(Dwg.TPA1480)

1100PS4 and 1900PS4, Air Impulse Wrench (Twin Blade) - Parts List

Items	Part Description	Part Number	Items	Part Description	Part Number
	Motor Housing Assembly		22	Exhaust Deflector	EQ110P-23
	for Model 1100PS4	4355079	23	Backcap	
	for Model 1900PS4	4355145		for Model 1100PS4	4354734
1	Motor Housing			for Model 1900PS4	4355186
	for Model 1100PS4	4355087	24	Backcap Rear Spring (12 mm long)	4351839
	for Model 1900PS4	4355152	25	Backcap Front Spring (15 mm long)	4351847
2	Inlet Bushing	EQ106S-565	26	Control Plate	4354742
3	Suspension Hole Liner	EQ106P-366	27	Control Valve Assembly	4351862
4	Throttle Bushing Assembly		28	Control Valve Seal	4351870
	for Model 1100PS4	4351763	29	Control Bushing Assembly	
	for Model 1900PS4	4355160		for Model 1100PS4	4354759
5	Throttle Bushing Seal (3)	EQ106P-283		for Model 1900PS4	4355194
6	Throttle Valve Assembly		30	Control Bushing Seal	180PQ-288
	for Model 1100PS4	4532503	31	Control Bushing Ball (35 mm dia) (3)	4351904
	for Model 1900PS4	4532511	32	Control Shaft Spring	4351912
7	Throttle Valve Seal		33	Control Shaft Assembly	
	for Model 1100PS4	100PQ-288		for Model 1100PS4	4355095
	for Model 1900PS4	EQ112P-159		for Model 1900PS4	4355202
8	Throttle Rod Assembly		34	Control Shaft Seal	EQ110P-288
	for Model 1100PS4	EQ106P-A302	35	Backcap Gasket	
	for Model 1900PS4	EQ112P-A302		for Model 1100PS4	4354775
9	Throttle Rod Seal	EQ106S-288		for Model 1900PS4	4355210
10	Valve Retaining Ring	EQ106P-303	36	Backcap Mounting Screw (3)	
11	Trigger	EQ106P-93		for Model 1100PS4	1410P-638
12	Trigger Pin	EQ106P-265		for Model 1900PS4	2400P-277
13	Throttle Retaining Pin	180PQ-120	37	Backcap Mounting Screw Washer (3)	900P-58
14	Reverse Valve Bushing			Rear End Plate Assembly	
	for Model 1100PS4	4351771		for Model 1100PS4	4354783
	for Model 1900PS4	2400P-330		for Model 1900PS4	4355244
15	Reverse Valve		38	Rear End Plate	
	for Model 1100PS4	4351789		for Model 1100PS4	4354791
	for Model 1900PS4	2400P-329		for Model 1900PS4	4355228
16	Reverse Valve Detent Spring		39	Rear Rotor Bearing	
	for Model 1100PS4	4351797		for Model 1100PS4	WFS182-22
	for Model 1900PS4	1900P-51		for Model 1900PS4	R1AP-97
17	Reverse Valve Detent Ball		40	End Plate Alignment Dowel (2 for 1100PS4; 1 for 1900PS4)	
	for Model 1100PS4	EQ104S-929			
	for Model 1900PS4	500P-333		for Model 1100PS4	EQ106P-99
18	Reverse Valve Retainer			for Model 1900PS4	EQ104S-299
	for Model 1100PS4	500PQ-303	41	Cylinder	
	for Model 1900PS4	1410P-303		for Model 1100PS4	1100P-3
19	Reverse Lever Assembly				for Model 1900PS4
	for Model 1100PS4	4351805	41	Cylinder Assembly	
	for Model 1900PS4	3000P-328		for Model 1100PS4	---
20	Reverse Lever Alignment Pin				for Model 1900PS4
	for Model 1100PS4	4351813	42	Alignment Pin (2)	
	for Model 1900PS4	---		for Model 1100PS4	---
21	Reverse Lever Retaining Pin	3000P-152			for Model 1900PS4

1100PS4 and 1900PS4, Air Impulse Wrench (Twin Blade) - Parts List

Items	Part Description	Part Number	Items	Part Description	Part Number
43	Rotor		60	Piston Stop Seal	
	for Model 1100PS4	4355103		for Model 1100PS4	EQ110P-288
	for Model 1900PS4	4355236		for Model 1900PS4	EQ104S-50
44	Vane Packet (set of 6 Vanes)		61	Check Valve Assembly	
	for Model 1100PS4	1100P-42-6		for Model 1100PS4	4354866
	for Model 1900PS4	1900P-42-6		for Model 1900PS4	4355293
	Front End Plate Assembly		62	Check Valve Front Seal	
	for Model 1100PS4	4354817		for Model 1100PS4	EQ106P-288
	for Model 1900PS4	1900P-A11		for Model 1900PS4	EQ104S-50
45	Front End Plate		63	Check Valve Rear Seal	
	for Model 1100PS4	4354825		for Model 1100PS4	EQ110P-288
	for Model 1900PS4	4355251		for Model 1900PS4	EQ110P-288
46	Front Rotor Bearing		64	Check Valve Piston	
	for Model 1100PS4	R38P-606		for Model 1100PS4	4354874
	for Model 1900PS4	1900P-22		for Model 1900PS4	4355301
47	End Plate Alignment Dowel		65	Piston Spring	
	for Model 1100PS4	EQ106P-99		for Model 1100PS4	4354882
	for Model 1900PS4	---		for Model 1900PS4	4355319
48	Liner Housing		66	Check Valve Ball	
	for Model 1100PS4	EQ112P-240		for Model 1100PS4	500P-333
	for Model 1900PS4	1900P-240		for Model 1900PS4	4355327
49	Liner Housing Seal (2)		67	Drive Shaft Assembly	
	for Model 1100PS4	EQ212P-236		for Model 1100PS4	4354890
	for Model 1900PS4	1900P-238		for Model 1900PS4	4355335
50	Housing Cap		68	Socket Retaining Pin	5020-716
	for Model 1100PS4	EQ110P-207	69	Retaining Pin Spring	401-718
	for Model 1900PS4	4355269	70	Drive Shaft Blade (2)	
51	Rear Liner Cover			for Model 1100PS4	EQ212P-220
	for Model 1100PS4	4354833		for Model 1900PS4	1900P-220
	for Model 1900PS4	4355277	71	Blade Spring (2)	
52	Rear Liner Cover Seal	EQ212P-237		for Model 1100PS4	EQ212P-219
53	Sensor Assembly	4352019		for Model 1900PS4	1900P-219
54	Sensor Seal	EQ104S-50	72	Front Liner Cover Assembly	
55	Sensor Seal Back-up O-Ring	4352035		for Model 1100PS4	4354908
56	Liner Assembly			for Model 1900PS4	4355343
	for Model 1100PS4	4354841	73	Adjustment Screw (2)	1900P-230
	for Model 1900PS4	4355285	74	Oil Plug	
57	Liner Alignment Pin (4)			for Model 1100PS4	EQ106S-277
	for Model 1100PS4	EQ212P-298		for Model 1900PS4	EQ230P-277
	for Model 1900PS4	1900P-298	75	Oil Plug Seal Support	
58	Torque Valve Piston			for Model 1100PS4	EQ106S-229
	for Model 1100PS4	1100P-222		for Model 1900PS4	EQ230P-229
	for Model 1900PS4	1900P-222	76	Oil Plug Seal	
59	Piston Stop Assembly			for Model 1100PS4	EQ106S-228
	for Model 1100PS4	4354858		for Model 1900PS4	EQ230P-238
	for Model 1900PS4	4350820			

1100PS4 and 1900PS4, Air Impulse Wrench (Twin Blade) - Parts List

Items	Part Description	Part Number	Items	Part Description	Part Number	
77	Drive Shaft O-ring		88	Nameplate		
	for Model 1100PS4	EQ110P-271		for Model 1100PS4	4355111	
	for Model 1900PS4	4355376		for Model 1900PS4	4355426	
78	Seal Back-Up Ring	EQ110P-272	89	Nameplate Screw (4)	EQ106S-322	
79	Front Liner Cover Piston Seal (2)		90	Two Speed Trigger Label	180PQ-68	
	for Model 1100PS4	EQ212P-232	91	Oil Daily Label	500P-69	
	for Model 1900PS4	2400P-237		92	Warning Label	
80	Front Mechanism Spacer	4354916		for models ending in -EU	EU-99	
81	Hammer Case Gasket			for all others models	WARNING-2-99	
	for Model 1100PS4	4354924	*	Hex Wrench		
	for Model 1900PS4	4355384		2.0 mm	4355012	
		5.0 mm		4352258		
82	Drive Shaft Packing		*	Repair Fixture	4355178	
	0.2 mm thick	4354932	*	Fluid Replacement Kit	EQ106S-K400	
	0.3 mm thick	4354940		Replacement Fluid (4 oz)	EQ106S-400-1	
	0.5 mm thick	4354957	*	Replacement Fluid (1 gal)	EQ106S-BF400-1	
	Hammer Case Assembly		*	Tool Kit (includes all the specialized tooling required to repair these tools and consists of a Spanner Plug, Threaded Tee Wrench, O-ring Installer and a pressing fixture that has a Disassembly Arbor and Pressing Sleeve)		
	for Model 1100PS4	4354965			for Model 1100PS4	700A-99
	for Model 1900PS4	4355392			for Model 1900PS4	1900P-99
83	Hammer Case		*	Motor Tune-up Kit (includes illustrated items 32, 34, 35, 39, 44 and 46)		
	for Model 1100PS4	4354973			for Model 1100PS4	1100PS4-K500
	for Model 1900PS4	4355400			for Model 1900PS4	---
84	Hammer Case Bearing					
	for Model 1100PS4	4354981				
	for Model 1900PS4	4355418				
85	Adjustment Hole Plug	180PQ-95				
86	Hammer Case Cap Screw (3)					
	for Model 1100PS4	1410P-638				
	for Model 1900PS4	1900P-638				
87	Cap Screw Lock Washer (3)					
	for Model 1100PS4	900P-58				
	for Model 1900PS4	EQ112P-58				

* 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 47109459.

Manuals can be downloaded from www.ingersollrandproducts.com

Notes:

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