



47143292
Edition 1
September 2010

Air Impulse Wrench (Twin Blade)

Model 500A and 700A

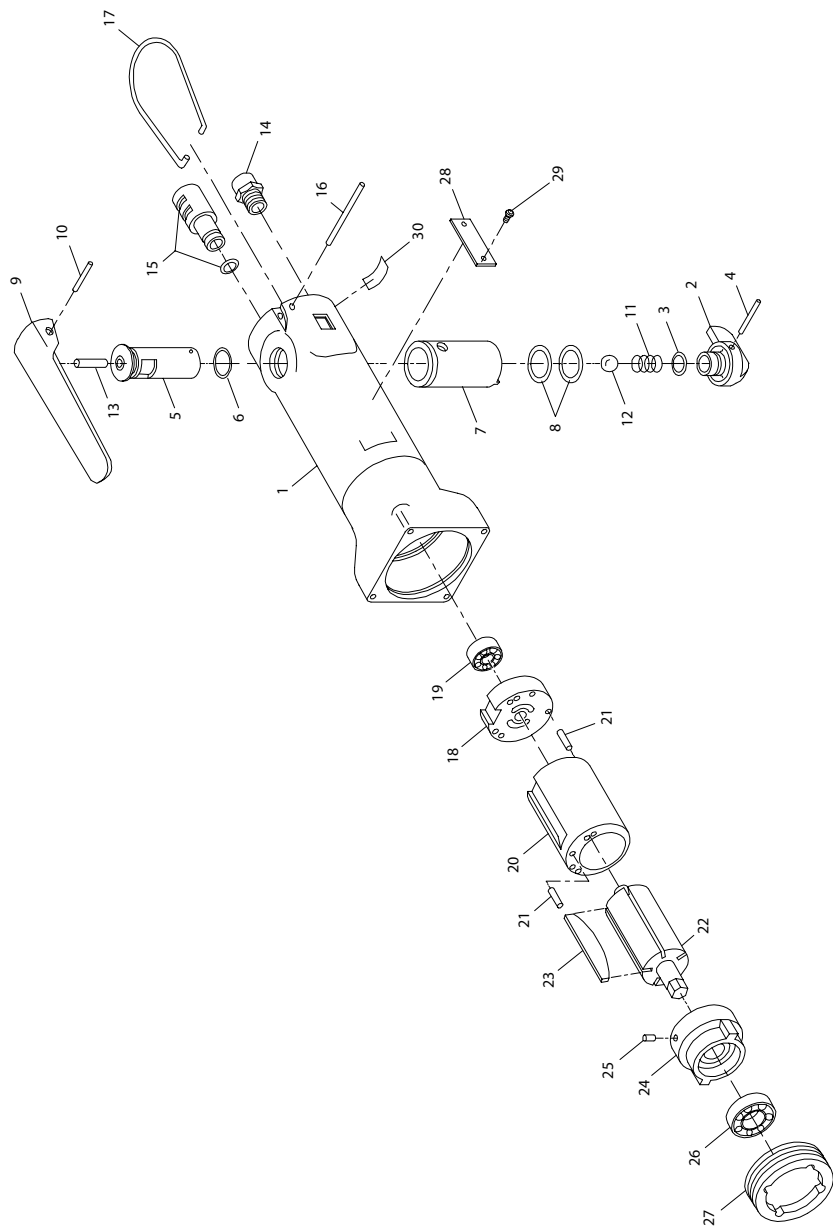
Parts Information



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Models 500A and 700A, Air Impulse Wrench (Twin Blade) - Exploded View

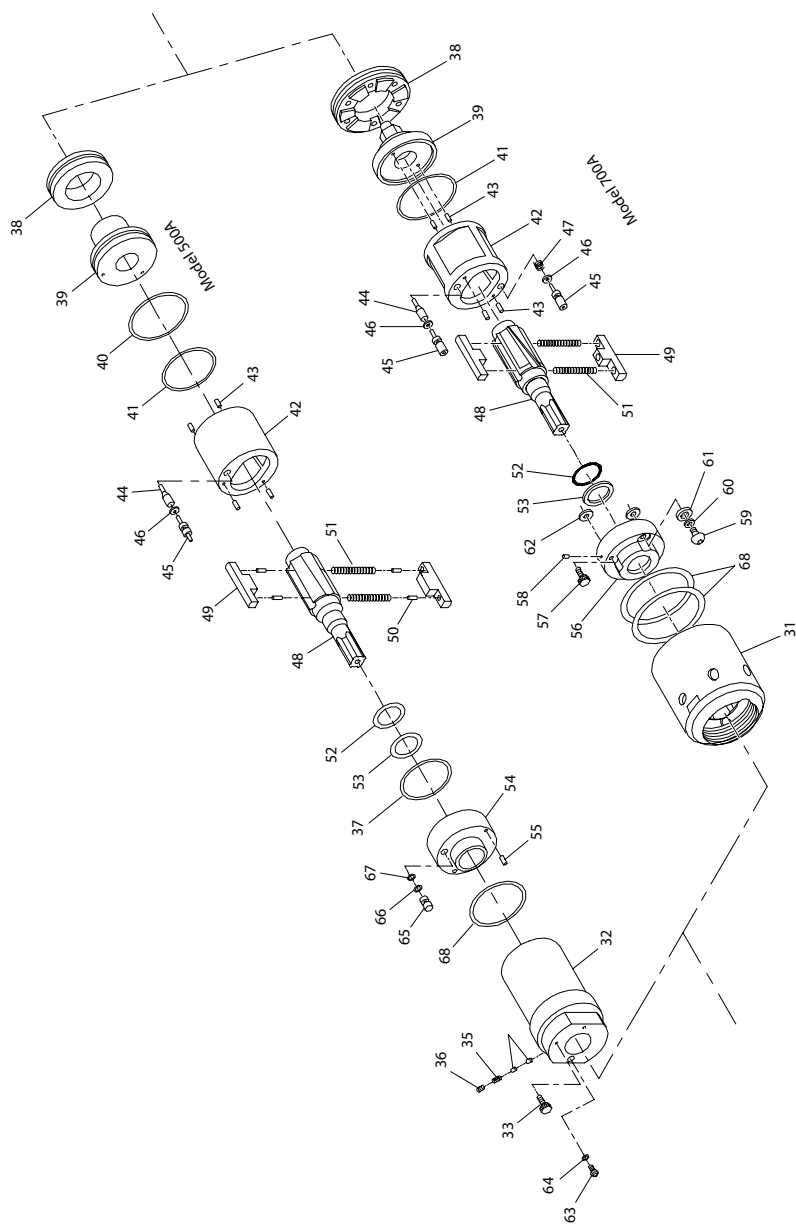


(Dwg. TPB959)

Models 500A and 700A, Air Impulse Wrench (Twin Blade) - Parts List

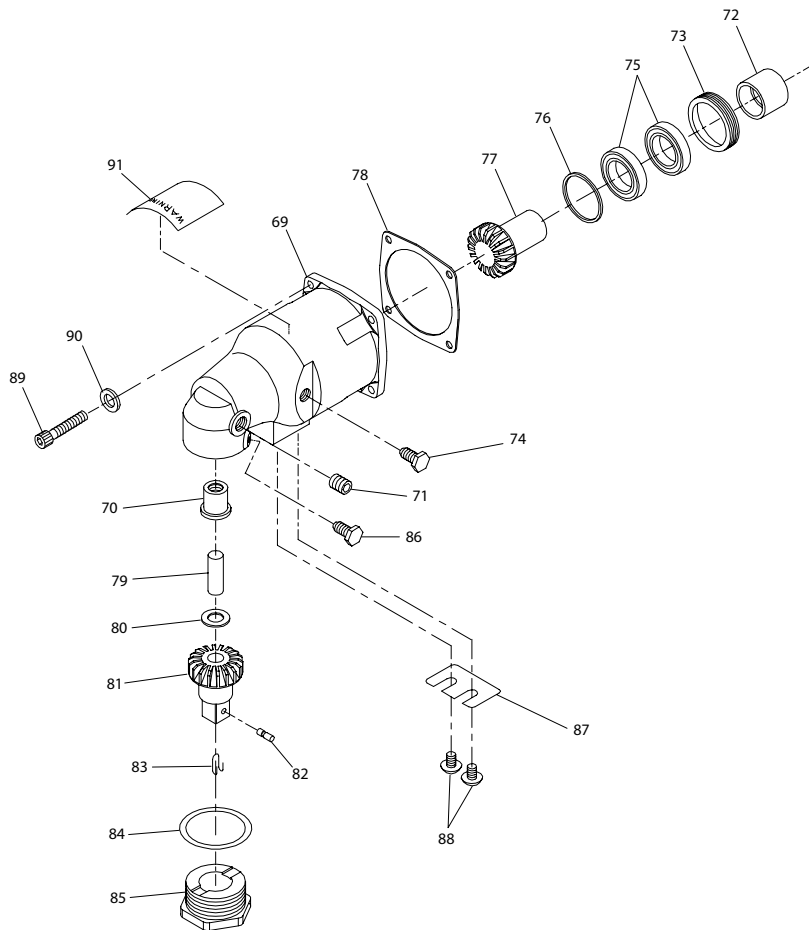
Item	Parts Description	Part Number	Item	Parts Description	Part Number
1	Motor Housing Assembly		31	Liner case	
	for Model 500A	500A-A40		for Model 700A	700A-240
	for Model 700A	700A-40		Liner Case Assembly	
	for Model 500A	500A-40		for Model 500A	500A-A240
2	Reverse Valve Knob Assembly	EQ1065-658	32	Liner Case	
	Reverse Valve Knob Seal	EQ1065-119		for Model 500A	500A-240
	Knob Retaining Pin	EQ1065-152	33	Torque Adjustment Screw	
	Reserve Valve Assembly	180PQ-A329		for Model 500A	700A-230
3	Reserve Valve Seal	180PQ-67	34	Torque Adjustment Plug Lock (2)	
4	Reserve Valve Bushing	700A-330		for Model 500A	180PQ-283
5	Reserve Valve Bushing Seal(2)	EQ106P-283	35	Plug Lock Spring	
6	Throttle lever	EQ106P-273		for Model 500A	180PQ-219
7	Throttle Lever Pin	EQ106S-120	36	Plug Lock Screw	
8	Throttle Valve Spring	EQ106S-51		for Model 500A	500A-230
9	Throttle Ball	180PQ-929	37	Liner O-Ring	
10	Throttle Plunger	180SQ-A23		for Model 500A	EQ208-237
11	Inlet bushing	EQ106S-565	38	Housing Cap	
12	Exhaust Deflector Assembly	180PQ-A23		for Model 500A	380PQ-A212
13	Deflector Retaining pin	EQ106P-152		for Model 700A	EQ208S-237
14	Suspension Bail	EQ106S-365	39	Rear Liner Cover	
15	Motor Assembly			for Model 700A	EQ208S-212
	for Model 500A	500A-A53		Rear Liner Cover Assembly	
	for Model 700A	700A-A3		for Model 500A	380PQ-A212
	Rear End Plate Assembly	380SQ-A12	40	Liner Cover O-Ring	
18	Rear Rotor Bearing	500A-22		for Model 500A	EQ106S-236
19	Cylinder Assembly		41	Liner Cover O-Ring	
	for Model 500A	500A-A3		for Model 500A	EQ106S-236
	for Model 700A	700A-53		for Model 700A	EQ208S-237
	Cylinder Alignment Pin (2)		42	Liner Assembly	
20	for Model 500A	500A-299		for Model 500A	500A-A203
	for Model 700A	EQ112P-99		for Model 700A	700P-A203
	Rotor		43	Liner pin (4)	
	for Model 500A	500A-22		for Model 500A	18PQ-298
21	Vane Packet (Set of 6 Vanes)			for Model 700A	EQ208S-298
	for Model 500A	500A-42-6	44	Relief Valve	
	for Model 700A	EQ106S-42-6		for Model 500A	500A-222
	Front End Plate Assembly			for Model 700A	EQ210S-222
22	for Model 500A	500A-A11	---	Spring Guide Assembly	
	for Model 700A	700A-A11		for Model 500A (1)	500A-A255
	Front End Plate Alignment Pin (2)	380SQ-298		for Model 700A (2)	700A-A255
	Front Rotor Bearing		45	Spring Guide	
23	for Model 500A	500P-22		for Model 500A	500A-255
	for Model 700A	EQ106S-22		for Model 700A	700A-255
	Front End Plate Spacer	700A-41	46	Spring Guide Seal	
	Nameplate			for Model 500A	180PQ-272
24	for Model 500A	500A-301		for Model 700A	EQ106P-288
	for Model 700A	700A-301	47	Guide Assist Spring	
	for Model 500A-EU	500A-EU-301		for Model 700A	EQ212P-288
	for Model 700A-EU	700A-EU-301	48	Drive Shaft	
29	Nameplate Drive Screw(2)	EQ106S-322		for Model 500A	500A-626X
30	Oil daily Label	500P-69		for Model 700A	700A-626X
*	Motor Tune Up Kit		49	Blade (2)	
	(Includes illustrated item 19,23 and 26)			for Model 700A	700P53-220
	for Model 500A	500A-K500	---	Blade Assembly	
	for Model 700A	700A-K500		for Model 500A	500A-A220
	Impulse unit Drive Assembly		49	Balde (for Model 500A)	500A-220
	for Model 500A	500A-A200	50	Balde Assembly Pin (2/Assembly)	
	for Model 700A	700A-A200		for Model 500A	500A-120
			51	Blade Spring (2)	
				for Model 500A	380PQ-568
				for Model 700A	EQ208S-219

Models 500A and 700A, Air Impulse Wrench (Twin Blade) - Exploded View



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Models 500A and 700A, Air Impulse Wrench (Twin Blade) - Exploded View



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Models 500A and 700A, Air Impulse Wrench (Twin Blade) - Parts List

Item	Parts Description	Part Number	Item	Parts Description	Part Number
52	Drive Shaft Seal		---	Angle Housing Assembly	
	for Model 500A	180PQ-271		for Model 500A	500A-A727
	for Model 700A	EQ22085-271		for Model 700A	700A-A727
53	Seal back-Up Ring		69	Angle Housing	
	for Model 500A	380PQ-272		for Model 500A	500A-727
	for Model 700A	EQ1065-272		Spindle shaft Bushing	700A-641
54	Front Liner Cover Assembly		71	Gear Plug	180PQ-95
	for Model 500A	380PQ-A211	72	Angle housing Spacer	
	Liner Cove Pin	180PQ-232		for Model 500A	500A-900
---	Front Liner Cover Assembly			for Model 700A	700A-900
	for Model 700A	700A-A211	73	Pinion Bearing Cap	700A-902
56	Front Cover Plate Assembly		74	Bearing Cap Retaining Screw	700A-277
	for Model 700A	700A-B211	75	Pinion Bearing (2)	EQ1065-22
57	Torque Adjustment Screw		76	Pinion Bearing Shim	
	for Model 700A	700A-230		0.004" (0.1 mm Thickness)	700A-740
58	Adjusting Screw Lock			0.008" (0.2 mm Thickness)	700A-741
	for Model 700A	500PQ-288		0.012" (0.3 mm Thickness)	700A-742
59	Oil Plug		77	Bevel Pinion	700A-901
	for Model 700A	EQ1065-277	78	Housing Gasket	500A-746
60	Oil Plug Seal		79	Spindle Shaft	500A-298
	for Model 700A	EQ1065-228	80	Spindle Upper Shim	
61	Oil Seal Support			0.012" (0.3mm Thickness)	500A-933
	for Model 700A	EQ1065-229		0.024" (0.6mm Thickness)	700A-933
62	Front Liner Cover Guide Seal (2)		---	Spindle Assembly	700A-A626
	for Model 700A	EQ2085-238	81	Spindle	700A-626
63	Oil Plug		82	Socket Retaining Ring	5020-716
	for Model 500A	180PQ-277	83	Retaining Pin Spring	401-718
64	Oil Plug Seal		84	Spindle Lower Shim	
	for Model 500A	EQ110P-288		0.004" (0.1 mm Thickness)	700A-743
65	Oil Stop Cap Assembly			0.008" (0.2 mm Thickness)	700A-744
	for Model 500A	EQ106P-A38		0.012" (0.3 mm Thickness)	700A-745
66	Stop Cap O-Ring		85	Spindle Cap	700A-728
	for Model 500A	EQ106P-288	86	Spindle Cap Retaining Screw	700A-277
67	Back Up Ring		87	Torque Adjustment Screw Cover Plate	700A-888
	for Model 500A	380SQ-272	88	Cover Plate Mounting Screw (2)	500A-322
68	Front Liner Seal		89	Angle Housing Mounting Screw (4)	
	for Model 500A (1)	380PQ-288		for 500A Model	500A-638
	for Model 700A (2)	EQ2085-236		for 700A Model	500PQ-638
*	Impulse Mechanism Tune Up Kit (for Model 500A)		90	Mounting Screw Lock Washer (4)	500P-58
	Includes illustrated items 34(2), 37, 40, 41, 46, 52, 53, 64 and 68(2)	500P-K600		91	Warning Label
				for 500A and 700A Model	WARNING-2-99
*	Impulse Mechanism Tune Up Kit (for Model 700A)			for 500A-EU and 700A-EU Model	EU-99
	Includes illustrated items 41, 46, 52, 53, 60, 61 62(2) and 68(2)	700A-K600			
*	Fluid replacement Kit				
	Includes Fluid Syringe, Fill Tube and 4 oz. (31 ml) of replacement Fluid	EQ1065-K400			
		EQ1065-K400-1			
*	Tool kit				
	(Includes all specialized tooling required to repair these tools and consist 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 a Pressing Sleeve)				
	for 500A Model	180PQ-99			
	for 700A Model	700A-99			

* 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 47143300

Manuals can be downloaded from www.ingersollrandproducts.com

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