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Edition 2  
May 2006

# Vertical Air Sander

88S Series

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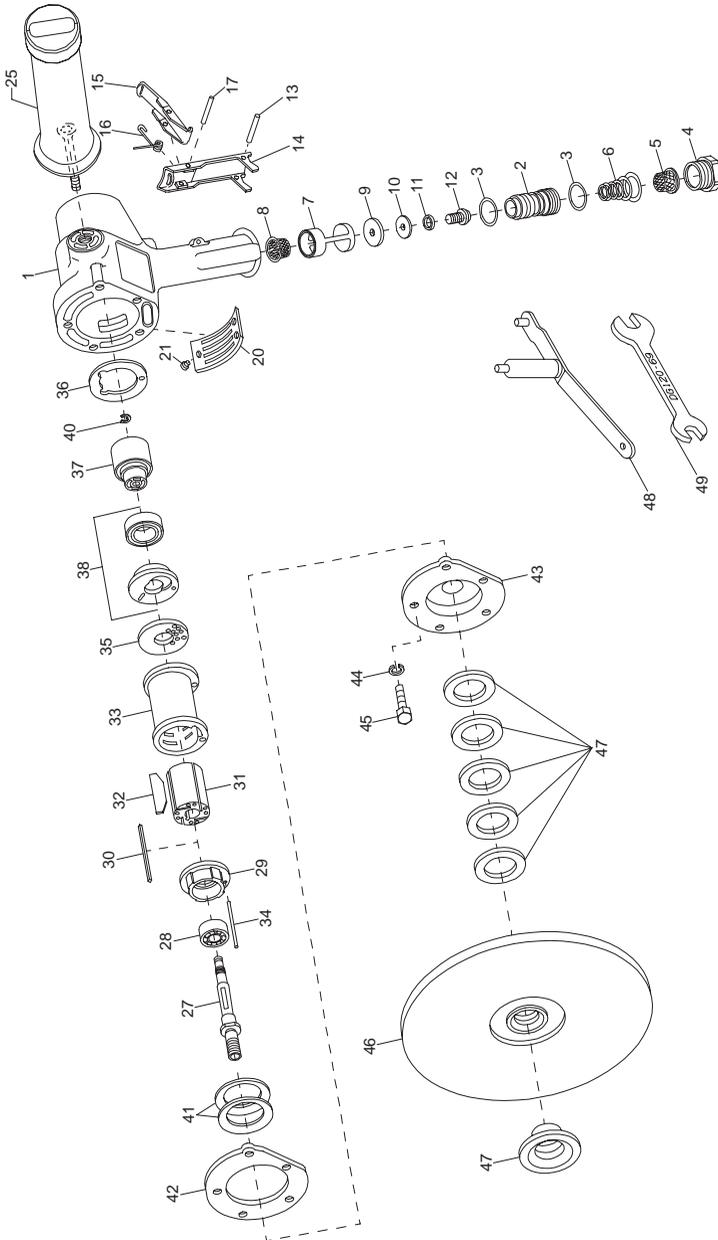
## Parts Information



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 **Ingersoll Rand**

# 88S Vertical Air Sander Exploded Diagram



(Dwg.TPA719-6)

## 88S Vertical Air Sander Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
+ 1	Cylinder Case Assembly		† • 36	Rear End Plate Gasket	88V60-739
	for all models ending in -EU	88V60-EU-A25	37	Controller Assembly	
	for all other models	88V60-A25		for 88S45 (4500 rpm) (brown)	88S45-A424
2	Throttle Valve Assembly	88V60-A302		for 88S60 (6000 rpm) (blue)	88V60-A424
† • 3	Seal (2)	C321-606	38	Rotor Bearing Seal Assembly	88V60-A28
4	Inlet Bushing	88V60-38	† 40	Controller Retaining Ring	88V60-118
† • 5	Inlet Bushing Screen	834-61	41	Motor Clamp Belleville Washer (2)	88V60-207
† • 6	Throttle Valve Spring	99V60-262	† • 42	Cylinder Case Gasket	88V60-283
7	Throttle Valve Seat Support Assembly	88V60-A303	43	Motor Retaining Plate	88S60-55
			44	Cylinder Case Screw Lock Washer (5)	10BM-67
† • 8	Air Strainer Screen	834-61	45	Cylinder Case Screw (5)	99V60-638
† • 9	Valve Seat	R4-159A	46	Sanding Pad Assembly	
10	Valve Seat Washer	99V60-155		with 5" Sanding Pad	77A-AM825-5
11	Valve Screw Lock Washer	H54U-352		with 7" Sanding Pad (medium)	77A-AM825-7
12	Valve Seat Screw	PS3-83		with 7" Sanding Pad (firm)	77A-BM825-7
• 13	Throttle Lever Pin	MR-100		with 9" Sanding Pad	77A-AM825-9
14	Locking Lever Assembly	88V60-A400	47	Pad Mounting Kit	77A-826
15	Lever Lock	88V60-402	*	Piped-Away Exhaust Kit	88V60-K184
16	Lever Lock Spring	88V60-405	*	Exhaust Hose	99V60-184
17	Lever Lock Pin	502B-120	*	Exhaust Hose Clamp	DG30-67
*	Nameplate (for 88V60-EU-A25)	88V-EU-K301	*	Exhaust Elbow	88V60-167
*	Nameplate Screw (for 88V60-EU-A25) (4)	BN403-302	*	Exhaust Elbow Gasket	99V60-49
			*	Exhaust Elbow Screw (3)	FEA100-112
*	Warning Label (for 88V60-EU-A25)	EU-99	*	Exhaust Hose Band Assembly	99V60-A927
			*	Exhaust Hose Band (4)	99V60-927
*	Nameplate Kit (for 88V60-A25)	88V-K301	*	Exhaust Hose Band Screw (4)	MT1-36-7/8
	Nameplate Screw (4)	BN403-302	*	Screw (2)	JC3350-103
	Warning Label	WARNING-5-99	*	Exhaust Hose Band Nut (6)	G8-120A
20	Exhaust Deflector	99V60-23	48	Wrench	AG230-26M
21	Exhaust Deflector Screw (3)	99V60-200	49	Wrench (double end 5/8" x 3/4")	DG120-69
*	Nameplate	88S60-301	*	Controller Wrench (for removing or installing the Controller Assembly)	88V60-950
*	Nameplate Screw (4)	BN403-302			
25	Dead Handle	ERG0-A48	*	Seal Pressing Tool (for pressing off the Controller Assembly from the Rear Rotor Bearing)	99V60-951
27	Arbor				
	for 88S45 (4500 rpm) (brown)	88S45-204-W10			
	for 88S60 (6000 rpm) (blue)	88S60-204-W10	*	Bearing Clamp (for clamping the outer race of Rear Rotor Bearing to release the Controller)	99V60-A952
28	Front Rotor Bearing	R380-105			
29	Front End Plate	88V60-11			
• 30	Rotor Key	88V60-70			
31	Rotor	88V60-53	*	Controller Maintenance Kit (includes 88V60-950, 99V60-951 and 99V60-A952)	88V60-K950
† • 32	Vane Packet (set of 4 Vanes)	88V60-42-4			
33	Cylinder	88V60-3			
• 34	Cylinder Dowel	88V60-98	*	Tune-up Kit (includes illustrated parts 3 [2], 5, 6, 8, 9, 32, 36, 40 and 42)	88V/88H-TK3
35	Rear End Plate	88V60-12			

\* Not Illustrated.

† Indicates Tune-up Kit part.

• To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every four tools in service.

+ Whenever a new Cylinder Case Assembly is installed, select the correct Nameplate from the Nameplate Kit and attach it to the Cylinder Case with the Nameplate Screws.

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## **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.

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## **Related Documentation**

For additional information refer to:

Air Sander Product Safety Information Manual 04580387.

Air Sander Product Information Manual 80152861 and 80152879.

Air Sander Maintenance Information Manual 16574980.

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

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**Notes**



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