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Air Grinder, Sander and Polisher

77A Series

Parts Information

PRO ▶
TECH

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 **Ingersoll Rand**

77A Angle Grinder, Sander and Polisher Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Throttle Handle Assembly	77H-A160	32	Internal Gear	77H-406
2	Throttle Valve Assembly	88V60-A302	33	Bevel Pinion Driver Bearing	WFS182-97
†*	3 Seal (2)	C321-606	34	Planet Gear Shaft (2)	G700-191
4	Inlet Bushing	77H-38	35	Rotor Pinion	77H-17
†*	5 Inlet Bushing Screen	834-61	36	Planet Gear Assembly (2)	77H-A10
†	6 Throttle Valve Spring	77H-262	37	Planet Gear Bearing (one for each gear)	G700-654
7	Oil Chamber Plug	R2-227	38	Thrust Spacer	77A-104
8	Throttle Valve Seat Support Assembly	77H-A303	39	Bevel Pinion Bearing Assembly	77A-A510
9	Valve Seat Screw	PS3-83	40	Matched Gear Set (Bevel Gear and Pinion not sold separately)	77A-A552
10	Valve Seat Lock Washer	H54U-352	41	Motor Spacer	77E-208-H8
11	Valve Seat Washer	99V-155	42	Arbor Coupling	66H-304
†*	12 Valve Seat	R4-159A	+ 43	Angle Arbor Housing	
†	13 Valve Support Seal (2)	SPP101-743		for models ending in -EU	77A-EU-A40-P10
14	Oiler Feeder Plug	77H-75		for all other models	77A-A40-P10
15	Throttle Valve Seat Support Retainer	77H-518	43A	Nameplate Kit	
16	Throttle Lever Pin	MR-100		for models ending in -EU	77A-EU-K301
17	Throttle Lever Assembly	77H-A400		for all other models	77A-K301
18	Lever Lock Pin	R100B-120	43B	Nameplate Screw (4)	BN403-302
19	Lever Lock Spring	DG120-405	*	Warning Label	
20	Lever Lock	DG120-402		for Grinders ending in -EU	EU-99
21	Coupling Nut	77H-282		for all other Grinders	WARNING-4-99
#	22 Controller Assembly (Consists of Controller and Rear End Plate Assembly)			for Sanders and Polishers ending in -EU	EU-99
	for 77A45W109	77H90-A524RH		for all other Sanders and Grinders	WARNING-5-99
	for 77A60W107, 77A60P107, 77A60P107M, 77A60P109 and 77A60P109M	77H120-A524RH	44	Grease Fitting (2)	130SR-188
	for 77A25F107, 77A75P107 and 77A75P107M	77H150-A524RH	45	Mounting Plate Pin	77A-31
23	Rear End Plate Assembly (consists of rear end plate, rotor bearing and required spacers)	77H-A12	• 46	Upper Bearing Spring Washer	4U-278
†*	24 Rear End Plate Gasket	77H-739	• 47	Upper Arbor Bearing	WWA100-97
25	Cylinder	77H-3	48	Bevel Gear Nut	77A-578
26	Rotor	77H-53RH	49	Bevel Gear Spacer	77A-25
†*	27 Vane Packet (set of 4 Vanes)	77H-42-4	50	Arbor Lower Bearing Assembly	77A-A593
• 28	Front End Plate	77H-11	51	Lower Arbor Spring Washer	77A-307
29	Front Rotor Bearing	77H-24	52	Sander Arbor Retaining Plate	77A-55
30	Cylinder Dowel	77H-98	53	Screw Lock Washer (6)	88H60-67
31	Bevel Pinion Driver		54	Guard Screw or Retaining Plate Screw (6)	77H-638
	for 77A25F107	77A-8	55	Sander Arbor	77A-204-P10
	for all others	77A-7			

* Not illustrated.

• 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 Angle Arbor Housing is installed, select the correct Nameplate from the Nameplate Kit (43A) and attach it to the Housing with the Nameplate screws (43B).

† Indicates Tune-up Kit part.

Early models of these Grinders had Rotors and Controller Assemblies with left-hand threads. If you have a model with left-hand threads, contact **Ingersoll Rand** when ordering replacement parts.

77A Angle Grinder, Sander and Polisher Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
56	Sanding Pad Assembly		68	Depressed Center Wheel Flange (for 77A60P107M, 77A60P109M and 77A75P107M with Type 27 and Type 28 Plain Hole Depressed Center Wheels)	99V60-386-M
	with 5" Sanding Pad	77A-AM825-5			
	with 7" Sanding Pad (medium)	77A-AM825-7			
	with 7" Sanding Pad (firm)	77A-BM825-7			
	with 9" Sanding Pad	77A-AM825-9			
57	Pad Mounting Kit	77A-826	70	Dead Handle	ERG0-A48
58	Wool Bonnet (for 77A25F107)	P500-850	72	Nameplate	66H-301
59	Depressed Center Wheel Guard		73	Nameplate Screw (4)	BN403-302
	for 7" diameter wheels	77A-106-7	*	Bearing Clamp Assembly	77H-A952
	for 9" diameter wheels	77A-106-9	*	Controller Wrench	77H-950
60	Depressed Center Wheel Arbor	77A-4-B10	*	Throttle Valve Seat Support Retainer	
61	Autobalancer Assembly	99V60-A713		Pliers	77H-154
*	Autobalancer Wrench (7/8" single-end; open-end wrench)	88V60-169	*	Coupling Nut Wrench	77H-281
63	Depressed Center Wheel Spacer (2 for all Type 27 Mounted Wheels)	99V-286	*	1/2" Pipe Tap Inlet Bushing	88V60-38
			*	Vibra-Tite®** 0.6 cc	5R-VT06
65	Wheel Retaining Screw (for all Type 27 and 28 Wheels)	99V60-219	*	Adhesive Kit	77H-KVLT
66	Depressed Center Wheel Flange (for Type 27 & 28 Plain Hole Wheels)	99V60-386		Tune-up Kit includes illustrated parts: (3 [2], 5, 6, 12, 13 [2], 24 and 27)	77H77A-TK3
67	Depressed Center Wheel Nut (for Type 27 and 28 Plain Hole Wheels)	99V85-186			
*	Depressed Center Wheel Nut Spanner Wrench	D32-26			
*	Wheel Flange Wrench (for all Grinders)	7RAQT4-254			

* Not illustrated.

** Registered trademark of ND Industries.

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:

Air Grinder, Sander and Polisher Product Safety Information Manual 04580387 and 04584959.

Air Grinder, Sander and Polisher Product Information Manual 80221740, 80221757, 80221765 and 80221773.

Air Grinder, Sander and Polisher Maintenance Information Manual 16575128.

Manuals can be downloaded from www.irttools.com.

Notes

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