



16573271
Edition 3
October 2014

Air Grinder

77H Series

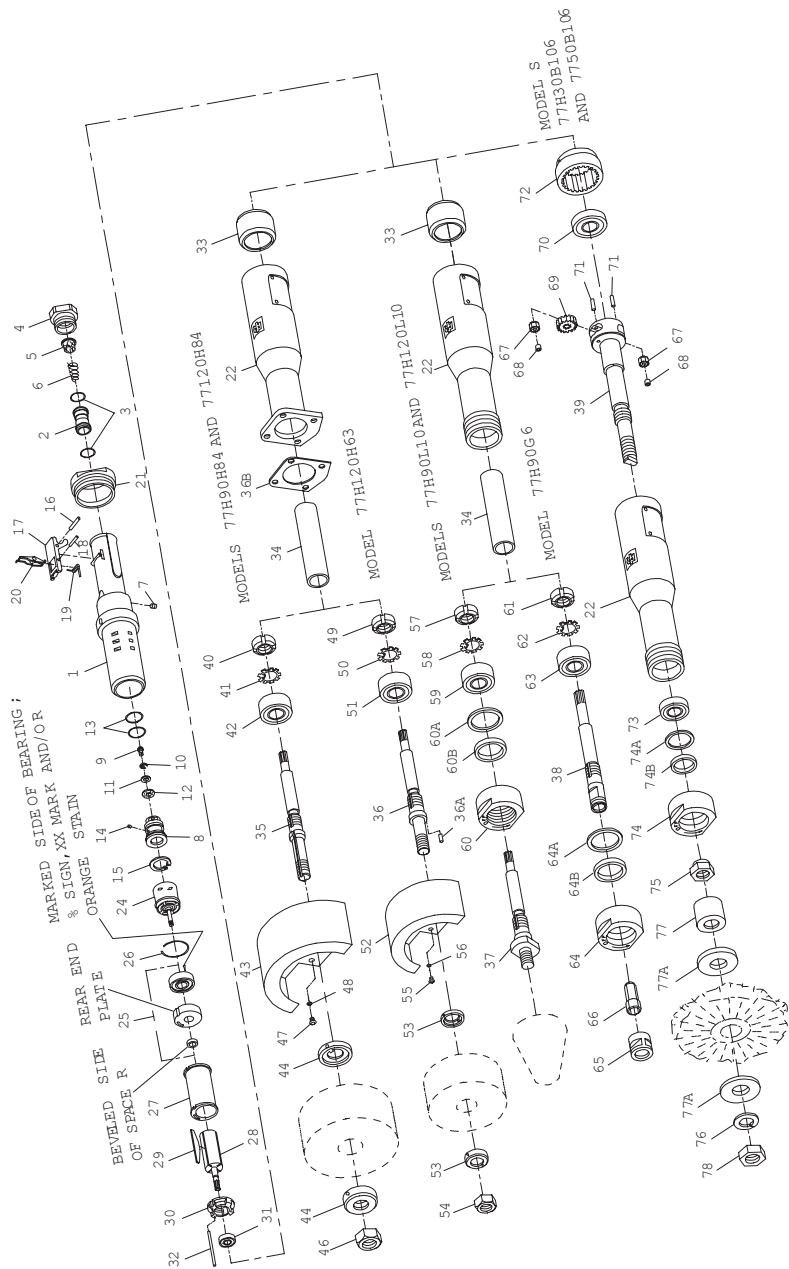
Parts Information



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77H Series Air Grinder - Exploded View



(Dwg. TPA1054-5)

77H Series Air Grinder - Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Throttle Handle Assembly	77H-A160	+ 24	Controller Assembly (consists of Controller and Rear End Plate Assembly)	
2	Throttle Valve Assembly	88V60-A302		for 77H90G6, 77H90H84, 77H90L10 and 77H30B106	77H90-A524ARH
3	Seal (2)	C321-606		for 77H120H84, 77H120H63 and 77H120I10	77H120-A524ARH
4	Inlet Bushing	77H-38		for 77H50B106	77H150-A524ARH
5	Inlet Bushing Screen	834-61	25	Rear End Plate Assembly (consists of rear end plate, rotor bearing and required spacers)	77H-A12
6	Throttle Valve Spring	77H-262		Rear End Plate Gasket	77H-739
7	Oil Chamber Plug	R2-227	26	Cylinder	77H-3
8	Throttle Valve Seat Support Assembly	77H-A303	+ 28	Rotor	
9	Valve Seat Screw	PS3-83		for 77H30B106 and 77H50B106 (9 teeth)	77H30-53RH
10	Valve Seat Lock Washer	H54U-352		for all others (13 teeth)	77H-53ARH
11	Valve Seat Washer	99V60-155		Vane Packet (set of 4 Vanes)	77H-42-4
12	Valve Seat	R4-159A	29	Front End Plate	77H-11
13	Valve Support Seal (2)	SPP101-743	30	Front Rotor Bearing	77H-24
14	Oiler Feeder Plug	77H-75	31	Cylinder Dowel	77H-98
15	Throttle Valve Seat Support Retainer	77H-518	32	Motor Spacer	77E-208-H8
16	Throttle Lever Pin	MR-100	33	Arbor Coupling	77E-304A
17	Throttle Lever Assembly	77H-A400	34	Controller Wrench	77H-950
18	Lever Lock Pin	R100B-120	*	Valve Seat Support Retaining Pliers	77H-154
19	Lever Lock Spring	DG120-405	*	Coupling Nut Wrench	77H-281
20	Lever Lock	DG120-402	*	Vibra-Tite*** (0.6 cc) (2)	5R-VT06
21	Coupling Nut	77H-282	*	Adhesive Kit	77H-KVLT
# 22	Arbor Housing Assembly		*	Tune-up Kit (includes illustrated parts 3 [2], 5, 6, 12, 13 [2], 26 and 29)	77H/77A-TK3
	for 77H90H84, 77H120H84 and 77H120H63	77E-A40-H8	THE FOLLOWING PARTS ARE USED IN MODELS 77H90H84, 77H90H84-EU, 77H120H84 AND 77H120H84-EU TYPE 1 RADIAL WHEEL GRINDERS		
	for 77H90H84-EU, 77H120H84-EU, and 77H120H63-EU	77E-EU-A40-H8	35	Arbor (13 teeth)	77E-4A-H8
	for 77H90L10, 77H120L10, 77H90G6, 77H30B106 and 77H150B106	77E-A40-G4	36B	Dust Seal	77H-930
	for 77H90L10-EU, 77H120L10-EU, 77H30B106-EU and 77H150B106-EU	77E-EU-A40-G4	40	Bearing Locknut	77H-824-H6
*	Grease Fitting	D0F9-879	41	Bearing Lock Washer	77H-66-H6
*	Nameplate Kit	77H-EU-K301	42	Wheel End Bearing	77H-33-H6
*	Nameplate Screw (4) (for all models ending in -EU)	BN403-302	43	Wheel Guard (4" x 1")	77H-941
*	Warning Label (for all models ending in -EU)	EU-99	44	Wheel Flange (2)	77H-16-H8
*	Nameplate Kit (for all other models)	77H-K301	46	Wheel Nut	215-182
	Nameplate Screw (4)	BN403-302	47	Wheel Guard Screw	
	Warning Label			M6 x 1-6g 14 mm long (2)	77H-638
	for 77H30B106 and 77H50B106	WARNING-5-99		10-32 x 1/2" long (2)	FEA100-26
	for all other models not ending in -EU	WARNING-4-99	48	Wheel Guard Lock Washer (2) (for use with No. 77H-638)	88H60-67

* Not illustrated

For all models, whenever a new Arbor Housing is installed, select the correct Nameplate from the Nameplate Kit and attach it to the Housing with the Nameplate Screws.

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

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77H Series Air Grinder - Parts List

Item	Part Description		Part Number	Item	Part Description		Part Number
THE FOLLOWING PARTS ARE USED IN MODELS 77H120H63 AND 77H120H63-EU TYPE 1 RADIAL WHEEL GRINDERS				*	Collet Nut and Arbor Wrench (2) (3/4")		DG120-69
36	Arbor (13 teeth)		77E-A4A-H6	66	Collet		
36A	Wheel Flange Pin		77H-84		for 1/4" or 6 mm diameter shank accessory		G160HD-700-1/4
36B	Dust Seal		77H-930		for 3/8" diameter shank accessory		DG120-700-G6
49	Bearing Locknut		77H-824-H6	THE FOLLOWING PARTS ARE USED IN MODELS 77H30B106, 77H30B106-EU, 77H50B106 AND 77H50B106-EU WIRE BRUSH MACHINES			
50	Bearing Lock Washer		77H-66-H6	39	Wire Brush Arbor		77E-4-B10
51	Wheel End Bearing		77H-33-H6	67	Planet Gear Assembly (2)		77H-A10
52	Wheel Guard (3" x 1/2")		77H-931	68	Planet Gear Bearing (one for each Gear)		G700-654
53	Wheel Flange (2)		77H-16-H6	69	Rotor Pinion (9 teeth)		77H-17
54	Wheel Nut		23-697	70	Gear Frame Bearing		WFS182-97
55	Wheel Guard Screw			71	Planet Gear Shaft (2)		G700-191
	M6 x 1-6g 14 mm long (2)		77H-638	72	Internal Gear		77H-406
	10-32 x 1/2" long (2)		FEA100-26	73	Wheel End Bearing		77E-33-B10
56	"Wheel Guard Screw Lock Washer (2) (for use with 77H-638)"		88H60-67	74	Wheel Bearing Cap		77H-19A
THE FOLLOWING PARTS ARE USED IN MODELS 77H90L10, 77H90L10-EU, 77H120L10 AND 77H120L10-EU CONE WHEEL GRINDERS				74A	Cap Spring		77H-20
37	Cone Wheel Arbor (13 teeth)			74B	Dust Washer		66H-35
	3/8"-24 thread		77H-4A-L6	75	Wheel End Bearing Nut		77E-91A
	1/2"-13 thread		77H-4A-L8	76	Wire Brush Lock Washer		A-67
	5/8"-11 thread		77E-4A-L10	77	Wire Brush Spacer (Long)		77H50-775
57	Bearing Locknut		77H-824-H6	77A	Wire Brush Spacer (Short) (2)		R3F-286
58	Bearing Lock Washer		77H-66-H6	78	Wire Brush Nut		HU-776
59	Wheel End Bearing		77H-33-H6	*	Wheel Bearing Nut Wrench (1")		7RAQT4-254
60	Wheel Bearing Cap		77H-19A	*	Wire Brush Nut Wrench (15/16")		7560-24818
60A	Cap Spring		77H-20	* Not illustrated.			
60B	Dust Washer		66H-35				
*	Cone Wheel Arbor Wrench (1")		7RAQT4-254				
THE FOLLOWING PARTS ARE USED IN MODEL 77H90G6 COLLET TYPE GRINDER							
38	Collet Arbor (13 teeth)		77E-4A-G4				
61	Bearing Locknut		77H-824-H6				
62	Bearing Lock Washer		77H-66-H6				
63	Wheel End Bearing		77H-33-H6				
64	Wheel Bearing Cap		77H-19A				
64A	Cap Spring		77H-20				
64B	Dust Washer		66H-35				
65	Collet Nut		DG120-699A				

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 04584959.

Product Information Manual 16576100.

Maintenance Information Manual 16573339.

Manuals can be downloaded from ingersollrandproducts.com

Notes:

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