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Air Die Grinder

M2 Series

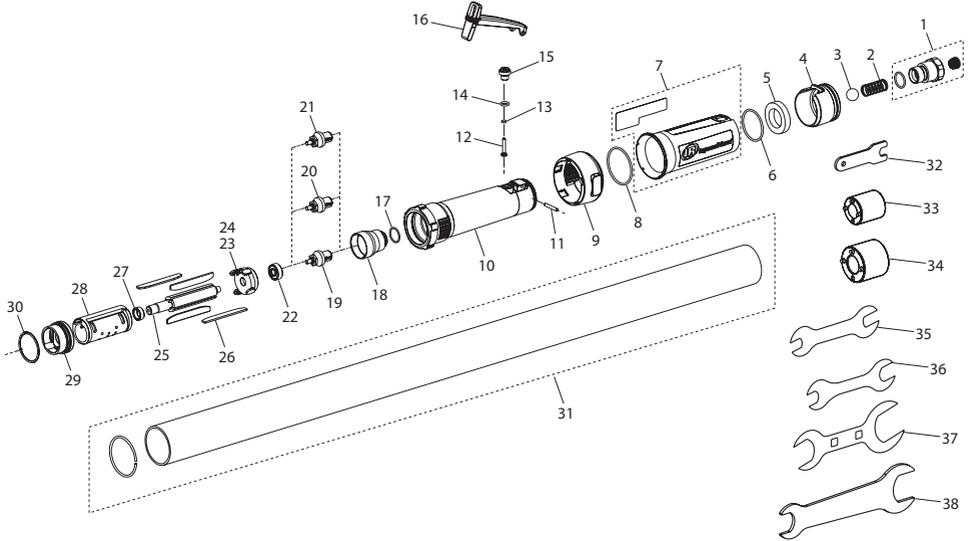
Parts Information



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 **Ingersoll Rand®**

M2 Series, Air Die Grinder - Exploded View (Motor & Motor Housing)



(Dwg. 47506252)

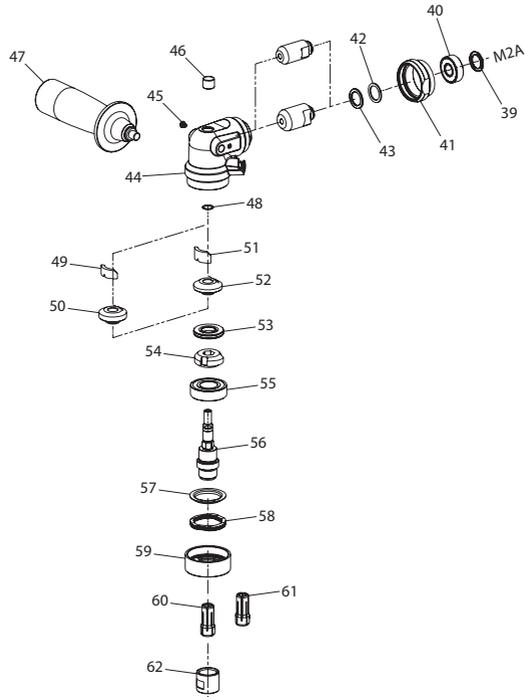
M2 Series, Air Die Grinder - Parts List (Motor & Motor Housing)

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Inlet Bushing Assembly	HG2-A465	22	Bearing	HG2-127A
	Inlet Bushing	---	23	Rear End Plate	HG2-12
	Inlet Screen	R1602-61	24	Pin	Y178-211
	Inlet O-ring	48410609	25	Rotor	HG2-53-4
2	Spring	MG1-51	26	Vane Pack (Set of 4)	HG2-42-4
3	Ball	D10-280	27	Rotor Spacer	LG2-65
4	Rear Exhaust Diffuser	HG2-123	28	Cylinder	HG2-3A
5	Rear Muffler	HG2-311R	29	Front End Plate	HG2-11
6	O-ring	Y325-26	30	O-Ring	Y325-25
7	Sleeve and Label Assembly	HG2-A747	31	Piped Away exhaust kit	HG2-K284
	Sleeve	---		Exhaust hose	---
	Model Label	HG2-300		Retaining ring	---
8	O-ring	Y325-29	32	Wrench, 11mm	301-69A
9	Front Housing Cap	HG2-202C	33	Spanner	HG1-26
10	Motor Housing Assembly	HG2-A40	34	Spanner	HG2-26
11	Pin	HG2-120	35	Wrench	DG10-69
12	Throttle Pin	HG2-161	36	Wrench	LG120-69
13	O-ring	45635125	37	Wrench	LA2-253
14	O-ring	Y325-10	38	Wrench	MG1-253
15	Throttle Pin Bushing	HG2-781	†	M2A Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 39, 40, 42, 43, 46, 48, 53, 55, 58)	HG2-DGTKA
16	Lever Assembly	HG2-A400	†	M2H Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 63, 64, 65)	HG2-DGTKH
	Lever	---	†	M2X Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 63, 64, 65, 67, 69, 72, 73, 76, 77, 78, 79, 80, 81)	HG2-DGTXK
	Lever Lock	---	†	M2X075 Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 63, 64, 65, 88, 91, 92, 94, 95, 96, 97)	HG2-DGTXK075
	Spring	---	†	Service Tool Kit (32, 33, 34, 35, 36, 37, 38)	HG2-DGTKT
Pin	---				
17	O-ring	47112487			
18	Nozzle	HG2-19			
19	Controller Assembly (18,000 RPM)	HG2-A424-18K			
20	Controller Assembly (20,000 RPM)	HG2-A424-20K			
21	Controller Assembly (25,000 RPM)	HG2-A424-25K			

* Not illustrated

† To keep downtime to a minimum, it is desirable to keep at least one of each kit for every four tools in service

M2 Series, Air Die Grinder - Exploded View (Angle)



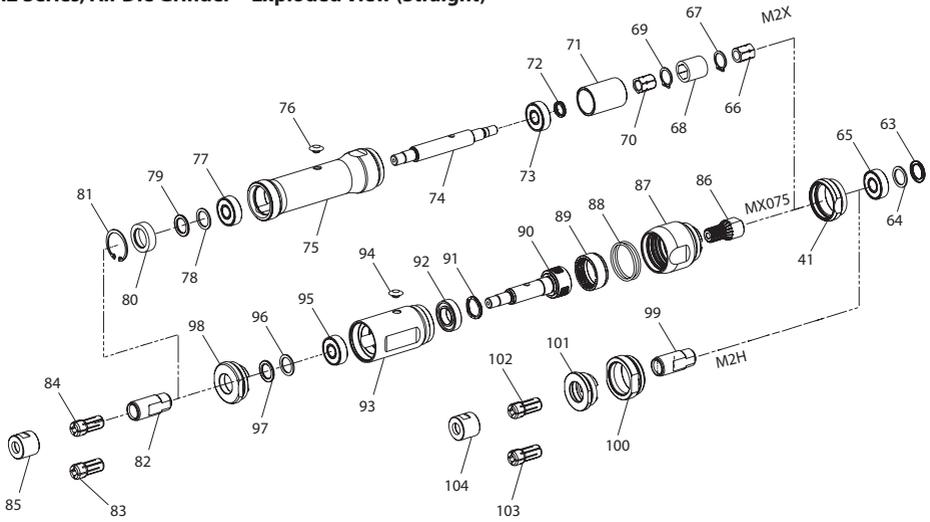
(Dwg. 47506253)

M2 Series, Air Die Grinder - Parts List (Angle)

Item	Part Description	Part Number	Item	Part Description	Part Number
39	Felt Wiper Cup	61H-32	47	Handle	HG2-48
40	Bearing	HG2-24	48	Ring, retaining	48378715
41	Clamp Nut	HG2-27	49	Wick	HG2-561-1.7
42	Felt Wiper	HG2-33	50	Bevel Pinion Assembly	HG2-A552-1.7
43	Felt Wiper Cup	61H-32	51	Wick	HG2-561-1.3
44	Angle Head Assembly	HG2-A550	52	Bevel Pinion Assembly	HG2-A552-1.3
	Bearing	MG1-693	53	Rotary Seal	HG2-223
	Angle Housing	---	54	Spindle Lock Hub	HG2-108
	Grease Fitting	---	55	Bearing	HG2-105A
	Locking Pin	---	56	Arbor, Collet	HG2-4-G4
	O-ring	---	57	Spring Guide	HG2-119
	Spring, conical	---	58	Spring, Wave	HG2-250B
	Bushing	HG2-38	59	Bearing Retainer	HG2-531
	Warning, Heat	VT22-99	60	Collet, 6mm	G160HD-700-6MM
Seal Screw	47500512001	61	Collet, 1/4"	G160HD-700-1/4	
45	Seal Screw	47500512001	62	Collet Nut	DG120-699A
46	Bearing	MG1-693	*	Angle Head Grease	77A-EPO

* Not illustrated

M2 Series, Air Die Grinder - Exploded View (Straight)



(Dwg. 47506254)

M2 Series, Air Die Grinder - Parts List (Straight)

Item	Part Description	Part Number	Item	Part Description	Part Number
63	Felt Wiper Cup	61H-32		Additional Parts for all M2X075 Models	
64	Felt Wiper	HG2-33	86	Pinion, 18 teeth	HG2-17
65	Bearing	HG2-24	87	Gear Case Assembly	---
	Additional Parts for all M2X Models			Gear Case	HG2-37
66	Bearing Nut	LE2-85		Grease Fitting	D0F9-879
67	Retaining Ring	RX3-729		Pin	Y178-211
68	Arbor Coupling	LE2-304		O-ring (2)	---
69	Retaining Ring	RX3-729		Ring Gear	---
70	Bearing Nut	HG2-85	88	O-ring (2)	Y325-26
71	Clamp Sleeve	HG2-276	89	Ring Gear	HG2-406
72	Wave Spring	HG2-250E	90	Planetary Gear Assembly	HG2-A216
73	Bearing	HG2-24	91	Wave Spring	HG2-250P
74	Arbor Horizontal Extension	HG2-4HX	92	Bearing	QA4-114803
75	Housing, Horizontal Extension	HG2-20HX	93	Housing, Extension Planetary	HG2-20PX1
76	Access hole plug	EG220-92	94	Access hole plug	EG220-92
77	Bearing	HG2-24	95	Bearing	HG2-24
78	Felt Wiper	HG2-33	96	Felt Wiper	HG2-33
79	Felt Wiper Cup	61H-32	97	Felt Wiper Cup	61H-32
80	Dust Shield	LE2-200	98	End Cap	HG2-48P
81	Retaining Ring	W22-118		Additional Parts for all M2H Models	
82	Collet Body	LG2-290	99	Collet Body	LG2-290
83	Collet, 1/4"	G160HD-700-1/4	100	Clamp Nut	HG2-27S
84	Collet, 6mm	G160HD-700-6MM	101	Clamp Spacer	HG2-46
85	Collet Nut	DG120-699A	102	Collet, 1/4"	G160HD-700-1/4
			103	Collet, 6mm	G160HD-700-6MM
			104	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:

Air Die Grinder Product Safety Information Manual 04580288.

Air Die Grinder Product Information Manual 48420517.

Manuals can be downloaded from www.ingersollrandproducts.com

Notes:

Notes:

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