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Air Grinder

M2 Series

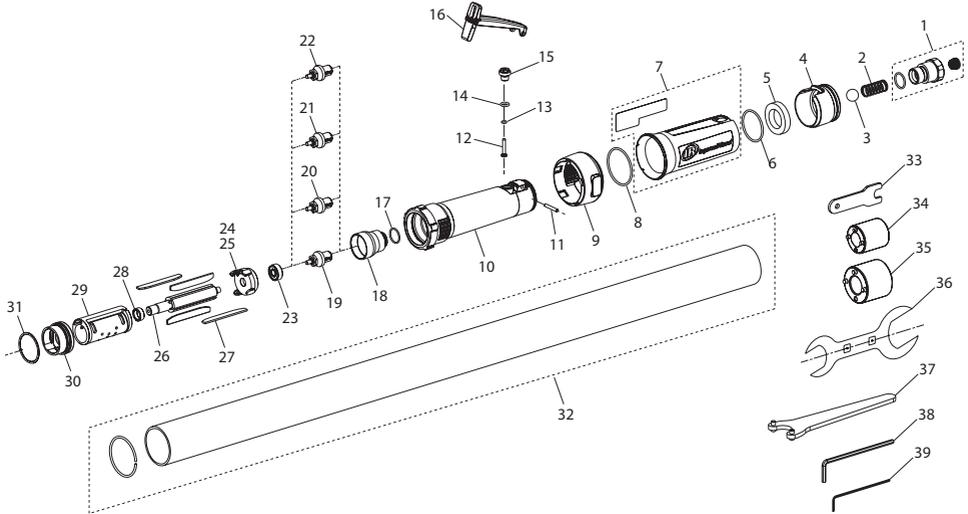
Parts Information



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 **Ingersoll Rand**[®]

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



(Dwg. 47506255)

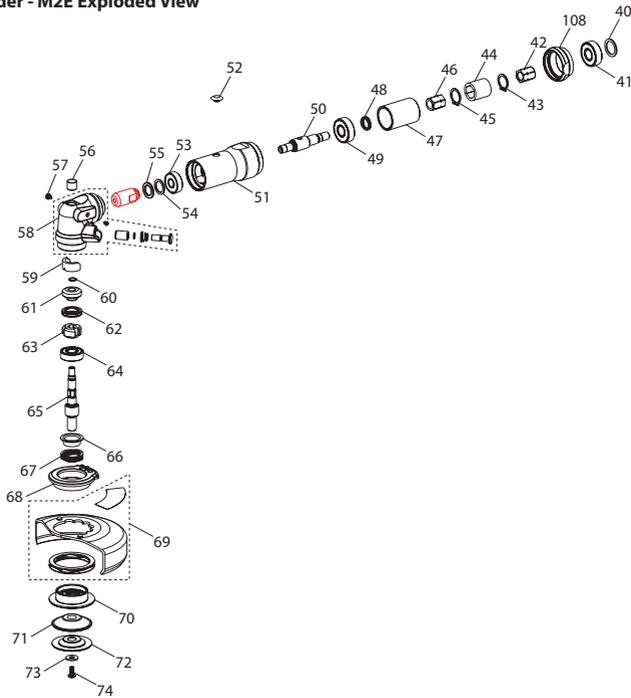
M2 Series, Air Grinder - Parts List (Motor & Motor Housing)

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Inlet Bushing Assembly	HG2-A465	27	Vane Pack (Set of 4)	HG2-42-4
	Inlet Bushing	-	28	Rotor Spacer	LG2-65
	Inlet Screen	R1602-61	29	Cylinder	HG2-3A
	Inlet O-ring	48410609	30	Front End Plate	HG2-11
2	Spring	MG1-51	31	O-Ring	Y325-25
3	Ball	D10-280	32	Piped Away exhaust kit	HG2-K284
4	Rear Exhaust Diffuser	HG2-123		Exhaust hose	HG2-284
5	Rear Muffler	HG2-311R		Retaining ring	HG2-203
6	O-ring	Y325-26	33	Wrench, 11mm	301-69A
7	Sleeve and Label Assembly	HG2-A747	34	Spanner	HG1-26
	Sleeve	---	35	Spanner	HG2-26
	Model Label	HG2-300	36	Wrench	LA2-253
8	O-ring	Y325-29	37	Spanner Wrench	AG3-26M
9	Front Housing Cap	HG2-202C	38	4mm hex wrench	AG2-562
10	Motor Housing Assembly	HG2-A400	39	3/32" hex wrench	3NC5564-562
11	Pin	HG2-120	†	M2E Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 40, 41, 43, 45, 48, 49, 52, 53, 54, 55, 56, 60, 62, 64, 67)	HG2-GTKE
12	Throttle Pin	HG2-161			
13	O-ring	45635125	†	M2X Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 75, 76, 77, 79, 81, 84, 85, 88, 89, 90, 91)	HG2-GTKX
14	O-ring	Y325-10			
15	Throttle Pin Bushing	HG2-781	†	M2L Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 75, 76, 77, 79, 81, 84, 85, 104, 105, 109, 110, 111, 115, 116, 121, 122, 124, 128)	HG2-GTKL
16	Lever Assembly	HG2-A400			
	Lever	---			
	Lever Lock	---			
	Spring	---			
	Pin	---			
17	O-ring	47112487	†	M2ARP64 Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 75, 76, 77, 79, 81, 84, 85, 104, 105, 109, 110, 111, 115, 116, 121, 122, 124, 128)	HG2-GTKA-RP64
18	Nozzle	HG2-19			
19	Controller Assembly (18,000 RPM)	HG2-A424-18K	†	M2LRP64 Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 75, 76, 77, 79, 81, 84, 85, 104, 105, 109, 110, 111, 141, 143, 145, 148)	HG2-GTKL-RP64
20	Controller Assembly (20,000 RPM)	HG2-A424-20K			
21	Controller Assembly (22,000 RPM)	HG2-A424-22K			
22	Controller Assembly (25,000 RPM)	HG2-A424-25K	†	M2LRP64 Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 23, 27, 31, 75, 76, 77, 79, 81, 84, 85, 104, 105, 109, 110, 111, 141, 143, 145, 148)	HG2-GTKL-RP64
23	Bearing	HG2-127A			
24	Rear End Plate	HG2-12	†	Service Tool Kit (33, 34, 35, 36, 37, 38, 39)	HG2-GTK
25	Pin	Y178-211			
26	Rotor	HG2-53-4			

* 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 Grinder - M2E Exploded View

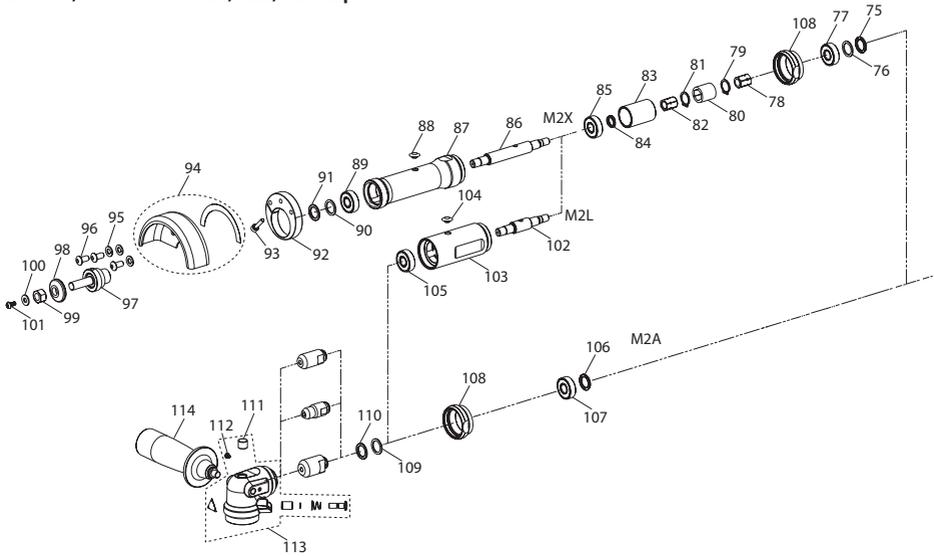


(Dwg. 47506256)

M2 Series, Air Grinder - M2E Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
40	Felt Wiper Cup	61H-32	59	Wick	HG1-561-1.5
41	Bearing	HG2-24	60	Ring, Retaining	48411326
42	Bearing Nut	LE2-85	61	Bevel Pinion Assembly	HG1-A552-1.5
43	Retaining Ring	RX3-729	62	Rotary Seal, 12 X 21 X 4	HG1-223
44	Arbor Coupling	LE2-304	63	Spindle Lock Hub	HG1-108
45	Retaining Ring	RX3-729	64	Bearing, Ball 9 X 24 X 7	HG1-105
46	Bearing Nut	HG2-85	65	Arbor, 3/8 - 24	HG1-4-P6
47	Clamp Sleeve	HG2-275	66	Spring Guide	HG1-119
48	Wave Spring	HG2-250E	67	Spring, Wave	HG1-250B
49	Bearing	HG2-24	68	Adjustable Guard Flange	HG1-710
50	Arbor, Angle Extension	HG2-4RX	69	4" Guard Kit	HG1-A106-4
51	Housing Extension	HG2-20RX		Guard Label	---
52	Access hole plug	EG220-92		Spring, Wave	HG1-250G
53	Front Rotor Bearing	AG210-24Z		Guard, 4 inch	---
54	Felt Wiper	HG1-33	70	Bearing and Guard retainer	HG1-118
55	Felt Wiper Cup	HG1-32	71	Raised Hub Wheel Flange	ROA2061-337
56	Bearing, Needle	2015-22	72	Raised Hub Wheel Flange	HG1-338
57	Seal Screw	47500512001	73	Washer	12A5C24
58	Angle Head Assembly	HG1-A550	74	Screw	47500704001
	Bearing	2015-22			
	Angle Housing	---			
	Grease Fitting	---			
	Locking Pin	---			
	O-ring	---			
	Spring, conical	---			
	Bushing	HG2-38			
	Warning, heat	VT22-99			
	Seal Screw	47500512001			

M2 Series, Air Grinder - M2X, M2L, M2A Exploded View

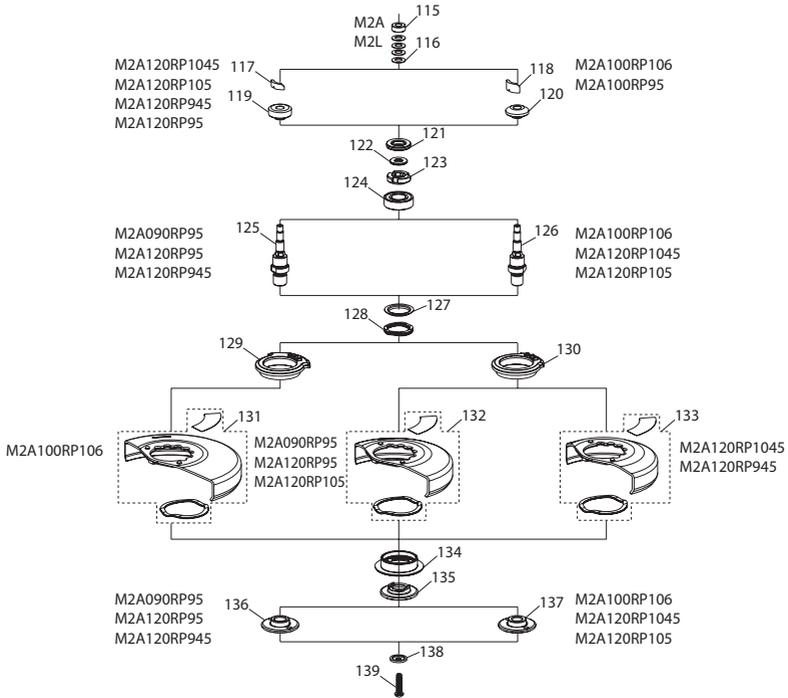


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M2 Series, Air Grinder - M2X, M2L, M2A Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
75	Felt Wiper Cup	61H-32	101	Screw	47500704001
76	Felt Wiper	HG2-33	102	Arbor, Angle Extension	HG2-4AX
77	Bearing	HG2-24	103	Housing, Angle Extension	HG2-20AX
78	Bearing Nut	LE2-85	104	Access hole plug	EG220-92
79	Retaining Ring	RX3-729	105	Bearing	HG2-24
80	Arbor Coupling	LE2-304	106	Felt Wiper Cup	61H-32
81	Retaining Ring	RX3-729	107	Bearing	HG2-24
82	Bearing Nut	HG2-85	108	Clamp Nut	HG2-27
83	Clamp Sleeve	HG2-276	109	Felt Wiper	HG2-33
84	Wave Spring	HG2-250E	110	Felt Wiper Cup	61H-32
85	Bearing	HG2-24	111	Bearing, Needle	MG1-693
86	Arbor Horizontal Extension	HG2-4HX	112	Seal Screw	47500512001
87	Housing, Horizontal Extension	HG2-20HX	113	Angle Head Assembly	HG2-A550
88	Access hole plug	EG220-92		Bearing	MG1-693
89	Bearing	HG2-24		Angle Housing	---
90	Felt Wiper	HG2-33		Grease Fitting	---
91	Felt Wiper Cup	61H-32		Locking Pin	---
92	Guard Adapter	LE2-710		O-ring	---
93	Hammer Case Cap Screw	231-638		Spring, conical	---
94	Guard Kit, 3"	LE2-A931		Bushing	HG2-38
	3" X 1/2" Wheel Guard	---		Warning, heat	VT22-99
	Warning Label, Guard	AG2-99G		Seal Screw	47500512001
95	Lock Washer (3)	L01-67	114	Handle	HG2-48
96	Screw, Wheel Guard (3)	LE2-667			
97	3" Straight Wheel Adapter	LE2-4-H63			
98	Outer Wheel Flange	DEG31-16			
99	Jam Nut	23-697			
100	Washer	12A5C24			

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



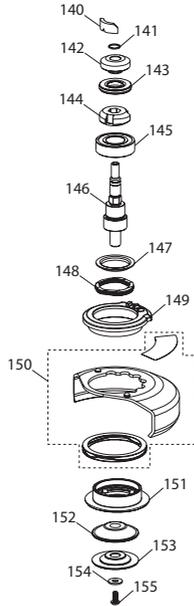
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M2 Series, Air Grinder - Parts List (Angle Head)

Item	Part Description	Part Number	Item	Part Description	Part Number
115	Arbor Collar	47501508001	132	Guard Kit, 5"	HG2-A106-5
116	Belleville Spring (4)	47501506001		Guard	---
117	Wick	HG2-561-1.7		Spring, Wave	HG2-250G1
118	Wick	HG2-561-2.4	133	Guard Kit, 4.5"	HG2-A106-45
119	Bevel Pinion Assembly	HG2-A552-1.7		Guard	---
120	Bevel Pinion Assembly	HG2-A552-2.4		Spring, Wave	HG2-250G1
121	Rotary Seal	HG2-223	134	Label	---
122	Thrust Washer	HG2-317		Bearing Retainer	HG2-118
123	Spindle Lock Hub	HG2-108A		Wheel Flange	HG2-337
124	Bearing	HG2-105A	135	Flange Nut, M14	MG1-338M
125	Arbor, M14	HG2-4-P9	136	Flange Nut, 5/8 - 11	MG1-338
126	Arbor, 5/8"-11	HG2-4-P10	137	Flange Nut Washer	LG2-218
127	Spring Guide	HG2-119	138	Screw	47502760001
128	Spring, Wave	HG2-250B	139		
129	Adjustable Guard Flange	HG2-710A			
130	Adjustable Guard Flange	HG2-710			
131	Guard Kit, 6"	HG2-A106-6			
	Guard	---			
	Spring, Wave	HG2-250G1			
	Label	---			

* Not illustrated

M2 Series, Air Grinder - M2A135RP64 Exploded View



(Dwg. 47506259)

M2 Series, Air Grinder - M2A135RP64 Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
140	Wick	HG2-561-1.7	150	Guard Kit, 4"	HG2-A106-4
141	Ring, Retaining	48378715		Guard	---
142	Bevel Pinion Assembly	HG2-A552-1.7		Spring, Wave	HG2-250G
143	Rotary Seal	HG2-223		Label	---
144	Spindle Lock Hub	HG2-108	151	Bearing Retainer	HG2-118
145	Bearing	HG2-105A	152	Wheel Flange	ROA2D61-337
146	Arbor, 3/8" - 24	HG2-4-P6	153	Flange Nut, 3/8 - 24	HG1-338
147	Spring Guide	HG2-119	154	Washer	12A5C24
148	Spring, Wave	HG2-250B	155	Screw	47500704001
149	Adjustable Guard Flange	HG2-710			

* 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:

Air Grinder Product Safety Information Manual 48420525.

Air Grinder Product Information Manual 47146667.

Manuals can be downloaded from www.ingersollrandproducts.com

ingersollrandproducts.com

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