



**48420566**

Edition 1

May 2013

## **Air Sander**

**M2 Series**

---

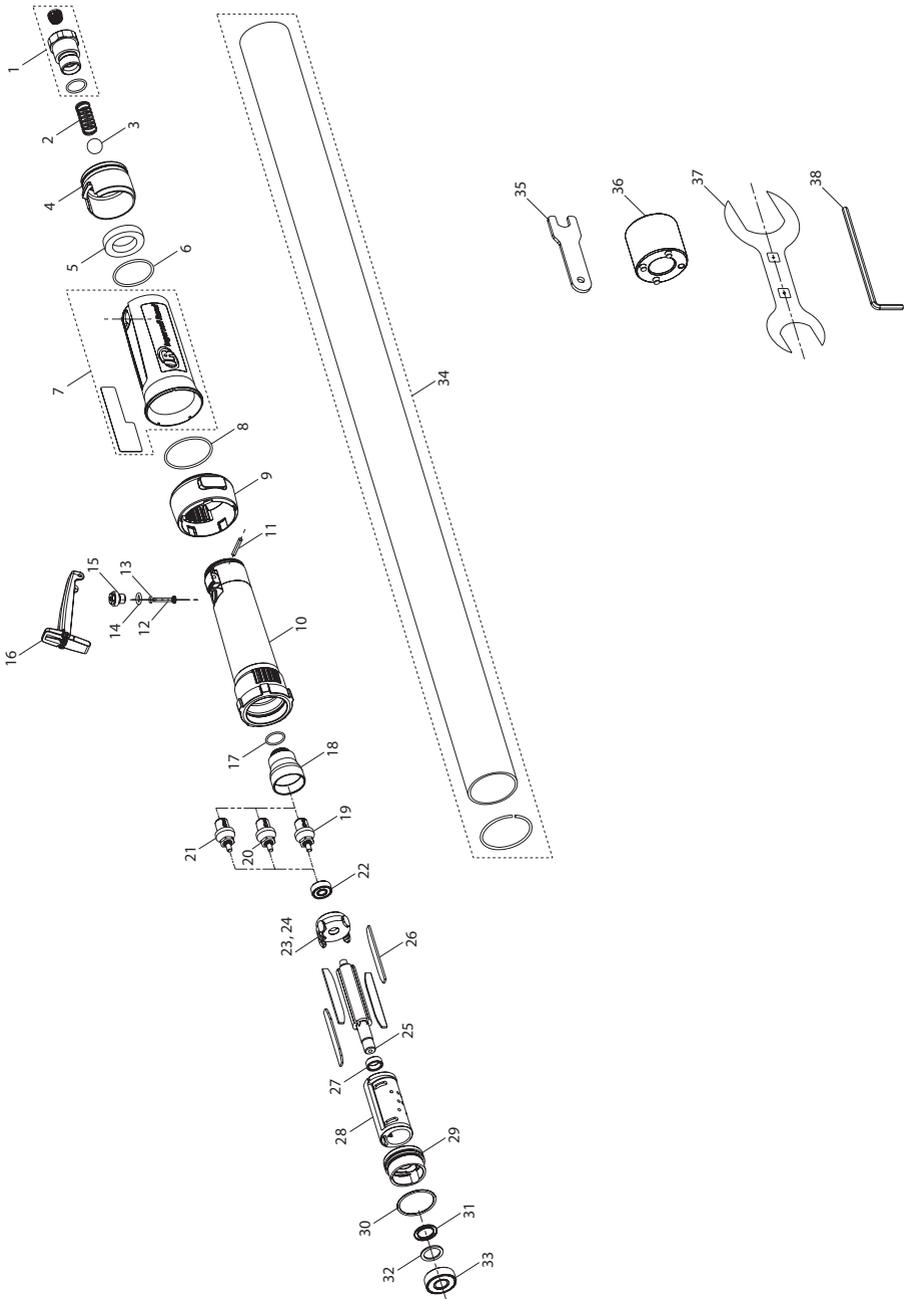
# **Parts Information**



**Save These Instructions**

**IR** *Ingersoll Rand*

# M2 Sander - Exploded View (Motor & Motor Housing)



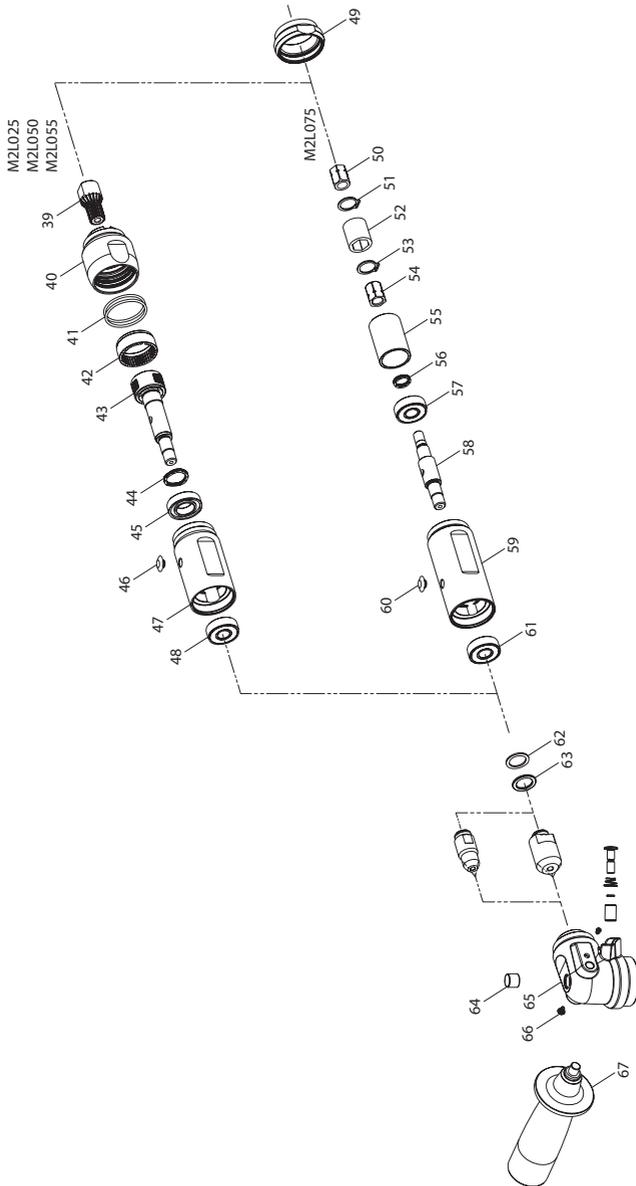
(Dwg. 47506260)

## Motor & Motor Housing Parts for all M2 Series Sanders

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Inlet Bushing Assembly	HG2-A465	21	"Controller Assembly (25,000 RPM) M2L055 Models"	HG2-A424-25K
	Inlet Bushing	---			
	Inlet Screen	R1602-61			
	Inlet O-ring	48410609			
2	Spring	MG1-51	22	Bearing	HG2-127A
3	Ball	D10-280	23	Rear End Plate	HG2-12
4	Rear Exhaust Diffuser	HG2-123	24	Pin	Y178-211
5	Rear Muffler	HG2-311R	25	Rotor	HG2-53-4
6	O-ring	Y325-26	26	Vane Pack (Set of 4)	HG2-42-4
7	Sleeve and Label Assembly	HG2-A747	27	Rotor Spacer	LG2-65
	Sleeve	---	28	Cylinder	HG2-3A
	Model Label	HG2-300	29	Front End Plate	HG2-11
8	O-ring	Y325-29	30	O-Ring	Y325-25
9	Front Housing Cap	HG2-202C	31	Felt Wiper Cup	61H-32
10	Motor Housing Assembly	HG2-A40	32	Felt Wiper	HG2-33
11	Pin	HG2-120	33	Bearing	HG2-24
12	Throttle Pin	HG2-161	34	Piped Away exhaust kit	HG2-K284
13	O-ring	45635125		Exhaust hose	---
14	O-ring	Y325-10	Retaining ring	---	
15	Throttle Pin Bushing	HG2-781	35	Wrench, 11mm	301-69A
16	Lever Assembly	HG2-A400	36	Spanner	HG2-26
	Lever	---	37	Wrench	LA2-253
	Lever Lock	---	38	4mm Hex	AG2-562
	Spring	---	†	M2L075 Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 31, 32, 33, 46, 51, 53, 56, 60, 61, 62, 63, 64, 71, 72, 75, 76, 79, 84)	HG2-STKL075
	Pin	---			
17	O-ring	47112487	†	M2L Tune up kit includes items (2, 3, 5, 6, 8, 11, 13, 14, 17, 22, 26, 30, 31, 32, 33, 41, 44, 45, 46, 48, 62, 63, 64, 70, 75, 79, 84)	HG2-STKL
18	Nozzle	HG2-19	†	Service Tool Kit (35, 36, 37, 38)	HG2-STK
19	"Controller Assembly (18,000 RPM) M2L040 & M2L075 Models"	HG2-A424-18K			
20	"Controller Assembly (20,000 RPM) M2L025 Models"	HG2-A424-20K			

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

# M2 Sander - Exploded View (Straight Parts)



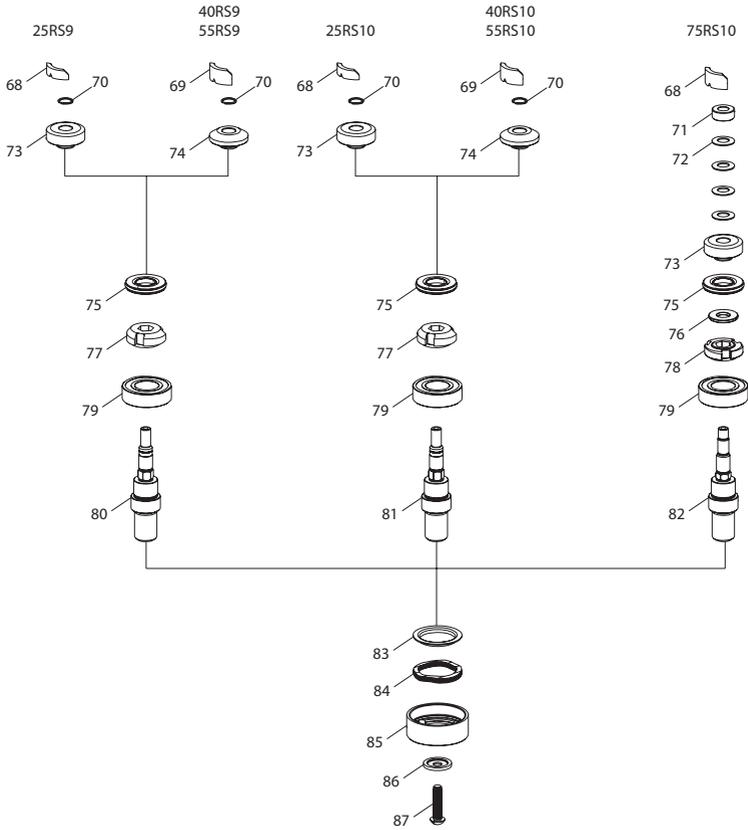
(Dwg. 47506261)

## Straight Parts for M2 Series Sanders

Item	Part Description	Part Number	Item	Part Description	Part Number
<b>M2L025, M2L040, M2L055</b>			56	Wave Spring	HG2-250E
39	Pinion, 18 teeth	HG2-17	57	Bearing	HG2-24
40	Gear Case Assembly		58	Arbor, Angle Extension	HG2-4AX
	Gear Case	HG2-37	59	Housing, Angle Extension	HG2-20AX
	Grease Fitting	D0F9-879	60	Access hole plug	EG220-92
	Pin	Y178-211	61	Bearing	HG2-24
41	O-ring (2)	Y325-26	62	Felt Wiper	HG2-33
42	Ring Gear	HG2-406	63	Felt Wiper Cup	61H-32
43	Planetary Gear Assembly	HG2-A216	64	Bearing, Needle	MG1-693
44	Wave Spring	HG2-250P	65	Angle Head Assembly	HG2-A550
45	Bearing	QA4-114803		Bearing	MG1-693
46	Access hole plug	EG220-92		Angle Housing	---
47	Housing, Extension Planetary	HG2-20PX1		Grease Fitting	---
48	Bearing	HG2-24		Locking Pin	---
<b>M2L075</b>				O-ring	---
49	Clamp Nut	HG2-27		Spring, conical	---
50	Bearing Nut	LE2-85		Bushing	HG2-38
51	Retaining Ring	RX3-729		Warning, heat	VT22-99
52	Arbor Coupling	LE2-304		Seal Screw	47500512001
53	Retaining Ring	RX3-729	66	Seal Screw	47500512001
54	Bearing Nut	HG2-85	67	Handle	HG2-48
55	Clamp Sleeve	HG2-276			

\* Not illustrated

# M2 Sander - Exploded View (Angle Head Parts)



(Dwg. 47506262)

---

## Angle Head Parts for M2 Series Sanders

Item	Part Description	Part Number	Item	Part Description	Part Number
68	Wick	HG2-561-2.4	79	Bearing	HG2-105A
69	Wick	HG2-561-1.3	80	Arbor, Sander M14	HG2-4-S9
70	Ring, retaining	48378715	81	Arbor, Sander 5/8" - 11	HG2-4A-S10
71	Arbor Collar	47501508001	82	Arbor, Sander 5/8" - 11	HG2-4-S10
72	Belleville Spring (4)	47501506001	83	Spring Guide	HG2-119
73	Bevel Pinion Assembly	HG2-A552-2.4	84	Spring, Wave	HG2-250B
74	Bevel Pinion Assembly	HG2-A552-1.3	85	Bearing Retainer	HG2-531
75	Rotary Seal	HG2-223	86	Flange Nut Washer	LG2-218
76	Thrust Washer	HG2-317	87	Screw	47502560001
77	Spindle Lock Hub	HG2-108	* Not illustrated		
78	Spindle Lock Hub	HG2-108A			

---

## 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 Sander Product Safety Information Manual 04580387

Air Sander Product Information Manual 48420533

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

[ingersollrandproducts.com](http://ingersollrandproducts.com)

© 2013 Ingersoll-Rand

