



16573297
Edition 1
January 2006

Air Grinder

99H Series

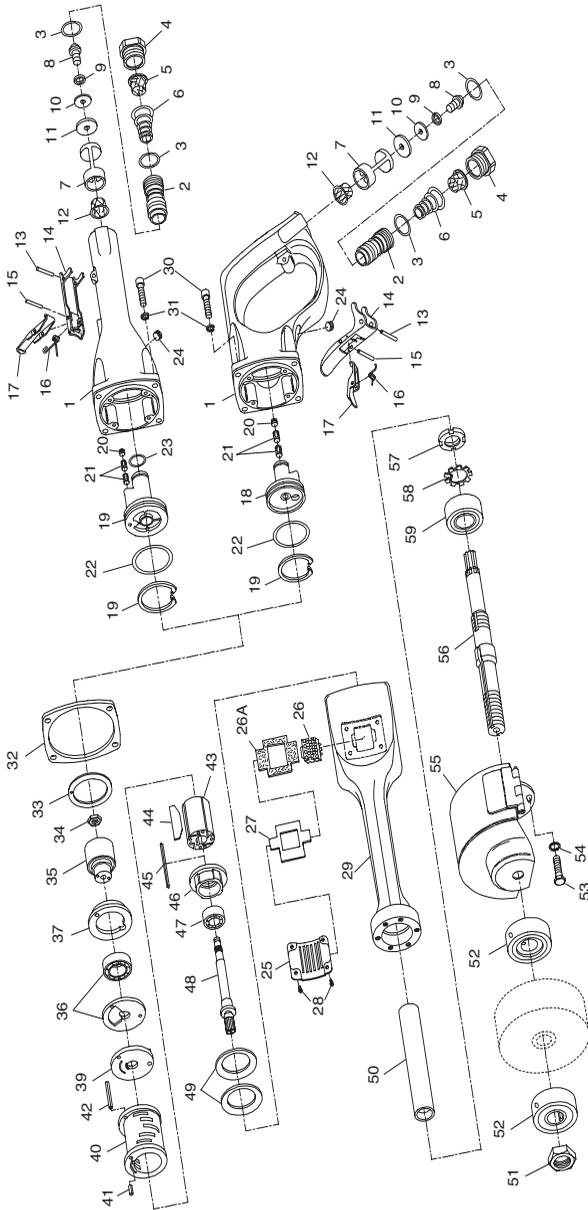
Parts Information



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 **Ingersoll Rand**[®]

99H Series Air Grinder Exploded Diagram



(Dwg. TPA759-2)

99H Series Air Grinder Parts List

Item	Part Description	99HG45H108 99HG60H106	99HL45H108 99HL60H106 99HL60H108
1	Throttle Handle Assembly	99HG60-A1	99HL60-A160
2	Throttle Valve Assembly	88V60-A302	88V60-A302
3	Seal (2)	C321-606	C321-606
4	Inlet Bushing	88V60-38	88V60-38
5	Inlet Bushing Screen	834-61	834-61
6	Throttle Valve Spring	99V60-262	99V60-262
7	Throttle Valve Seat Support Assembly	88V60-A303	88V60-A303
8	Valve Seat Screw	PS3-83	PS3-83
9	Valve Screw Lock Washer	H54U-352	H54U-352
10	Valve Seat Washer	99V60-155	99V60-155
11	Valve Seat	R4-159A	R4-159A
12	Air Strainer Screen	834-61	834-61
13	Throttle Lever Pin	MR-100	MR-100
14	Throttle Lever Assembly	88HG60-A400	88V60-A400
15	Lever Lock Pin	R100B-120	502B-120
16	Lever Lock Spring	88HG60-405	88V60-405
17	Lever Lock	88HG60-402	88V60-402
18	Oiler Retainer	88HG60-298	88HL60-298
19	Oiler Body Assembly	88HG60-A198	88HL60-A198
20	Oiler Adjusting Screw	R1-71A	R1-71A
21	Oiler Felt (2)	R1-75	R1-75
22	O-Ring (Large)	M0V010AA-379	WFS182-210
23	O-Ring (Small)	---	88HL60-103
24	Oil Chamber Plug	R2-227	R2-227

99H Series Air Grinder Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
25	Exhaust Deflector	88H60-23	50	Arbor Coupling	88H60-304
26	Exhaust Baffle	88H90-311	51	Wheel Nut	
26A	Exhaust Deflector Gasket	88H60-129		for models with M16 x 2.0 pitch thread arbor	88H60-776
27	Exhaust Diffuser (for 99HL45H108)	99H80-123		for models with 5/8"-11 thread arbor	HU-776
28	Exhaust Deflector Screw (4)	99V60-200			
+ 29	Arbor Housing				
	for models ending in -EU	99H60-EU-A40	52	Wheel Flange (2)	
	for all other models	99H60-A40		for 99H45 and 99HL60H108 with 5/8"-11 Arbors (4500 & 6000 rpm) with model numbers ending in 8	99H45-16
*	Warning Label (for models ending in -EU)	EU-99		for 99H60 with 5/8"-11 Arbors (6000 rpm) with model numbers ending in 6	88H60-16
*	Nameplate Screw (4) (for models ending in -EU)	C32-302			
*	Nameplate Kit (for models ending in -EU)	99H-EU-K301	53	Guard Screw (6)	99H60-638
*	Nameplate Kit (for all other models)	99H-K301	54	Guard Screw Lock Washer (6)	88H60-67
	Nameplate Screw (4)	C32-302	55	Wheel Guard	
	Warning Label	WARNING-4-99		for 99HG60H106 and 99HL60H106	88H60-961A
30	Arbor Housing Screw (4)	88H60-29		for all other models	99H45-981
31	Arbor Housing Lock Washer (4)	88H60-58	*	Guard Latch Screw	
32	Arbor Housing Gasket	99H60-283		for new style Guard with smooth threaded face Latch Retainer	88H60-7A
33	Rear End Plate Gasket	99V60-739		for old style Guard with slotted dome Latch Retainer	88H60-7
34	Controller Retaining Nut				
	for 99HG45H108 and 99HL45H108	R4-120	56	Arbor (for Type 1 Grinding Wheels)	
	for all other models	G8-120A		for M16 x 2.0 pitch thread	88H60-4-K16
35	Controller Assembly (consists of Controller and Rotor Bearing Seal Assembly)			5/8"-11 thread	88H60-4-H10
	for 99H45 (Orange)	99V45-A524	57	Bearing Locknut	88H60-84
	for 99H60 (Blue)	99V60-A524	58	Bearing Lock Washer	88H60-27
			59	Arbor Bearing	G57E-24
36	Rear Bearing Seal Assembly (consists of Rear Rotor Bearing and Rotor Bearing Seal)	99V60-A28A	*	Wheel Adapter Kit	
37	Bearing Cage	99V60-107A		for 99HG45H108, 99HL45H108, 99HG60H106 and 99HL60H106 (consists of four Adapters for mounting Type 1 Wheels of the following metric dimensions):	
39	Rear End Plate	99V60-A12		32 mm wide x 20 mm arbor hole;	
40	Cylinder Assembly	99V60-A3		32 mm wide x 32 mm arbor hole;	
41	End Plate Dowel	5040-6		25 mm wide x 20 mm arbor hole and	
42	Cylinder Dowel	502B-120		25 mm wide x 32 mm arbor hole	88H60-K900
43	Rotor	99V60-53			
44	Vane Packet (set of 4 Vanes)	99V60-42-4	*	Tune-up Kit (includes illustrated parts 3 [2], 5, 11,	
45	Rotor Key	R43F-70		12 [2], 21 [2], 22, 23, 32, 33 and 44)	99V/99H-TK3
46	Front End Plate	99V60-11	*	Controller Wrench	99V60-950
47	Front Rotor Bearing	R380-105	*	Seal Pressing Tool	99V60-951
48	Rotor Shaft		*	Bearing Clamp	99V60-A952
	for 99H45 (13 teeth)	99H45-52	*	Kit (includes 99V60-950, 99V60-951 and 99V60-A952)	99V60-K950
	for 99H60 (13 teeth)	99H60-52			
49	Motor Clamp Washer (2)	99V60-207	*	Deflector Screw Wrench	R2J-562

* Not illustrated.

+ 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.

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 04584959.
Air Grinder Product Information Manual 16576100.
Air Grinder Maintenance Information Manual 16573354.

Manuals can be downloaded from www.irttools.com.

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