



16573289
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Air Grinder

88H Series

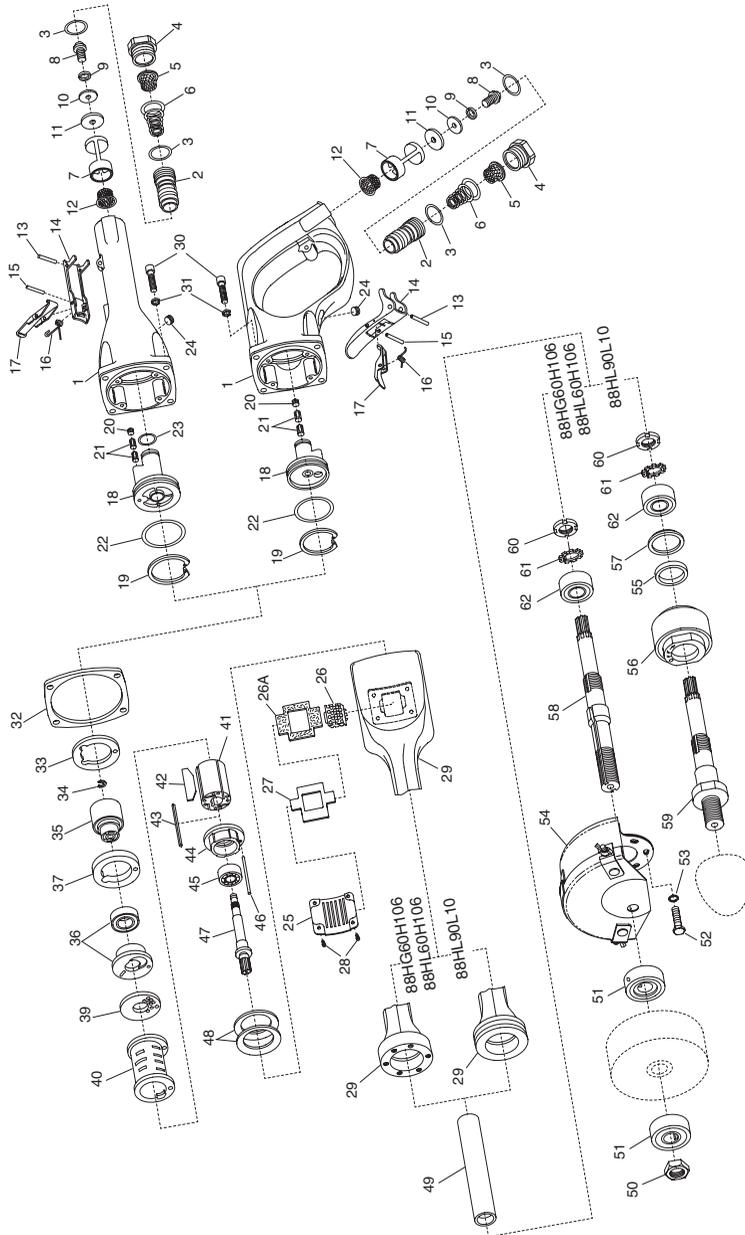
Parts Information



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 **Ingersoll Rand**[®]

88H Series Air Grinder Exploded Diagram



(Dwg. TPA757-3)

88H Series Air Grinder Parts List

| Item | Part Description | Grip Handle | Lever Handle |
|------|--------------------------------------|--------------|--------------|
| 1 | Throttle Handle Assembly | 88HG60-A1 | 88HL60-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 Body Assembly | 88HG60-A198 | 88HL60-A198 |
| 19 | Oiler Retainer | 88HG60-298 | 88HL60-298 |
| 20 | Oiler Adjusting Screw | R1-71A | R1-71A |
| 21 | Oiler Felt (2) | R1-75 | R1-75 |
| * 22 | O-Ring (Large) | MOV010AA-379 | WFS182-210 |
| * 23 | O-Ring (Small) | - - - | 88HL60-103 |
| 24 | Oil Chamber Plug | R2-227 | R2-227 |

* To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (*) for every four tools in service.

88H Series Air Grinder Parts List

| Item | Part Description | Part Number | Item | Part Description | Part Number | | |
|------|-------------------------------------------------------------------------------------------|------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|---------|
| 25 | Exhaust Deflector | 88H60-23 | 48 | Motor Clamp Washer (2) | 88V60-207 | | |
| 26 | Exhaust Baffle | 88H90-311 | 49 | Arbor Coupling | | | |
| 26A | Exhaust Deflector Gasket | 88H60-129 | | for 88HG60H106 and 88HL60H106 (13 teeth) | 88H60-304 | | |
| 27 | Exhaust Diffuser | | | for 88HL90L10 (10 teeth) | 88H90-304 | | |
| | for 88HL60H106 | 99H80-123 | | | | | |
| | for 88HL90L10 | 88H90-123 | 50 | Wheel Nut for 88HG60H106 and 88HL60H106 (5/8"-11 thread) | HU-776 | | |
| 28 | Exhaust Deflector Screw (4) | 99V60-200 | | | | | |
| + | 29 | Arbor Housing | 51 | Wheel Flange (2) (for 88HG60H106 and 88HL60H106) | 88H60-16 | | |
| | for 88HG60H106 and 88HL60H106 | 88H60-A40 | 52 | Guard Screw (6) | 88H60-638 | | |
| | for 88HG60H106-EU and 88HL60H106-EU | 88H60-EU-A40 | 53 | Guard Screw Lock Washer (6) | 88H60-67 | | |
| | for 88H90L10 | 88H60-A40A | 54 | Wheel Guard | 88H60-961A | | |
| | for 88H90L10-EU | 88H60-EU-A40A | * | Guard Latch Screw | | | |
| * | Nameplate Kit (for 88H60-EU-A40 and 88H60-EU-A40A) | 88H-EU-K301 | | for old style Guard with slotted dome Latch Retainer | 88H60-7 | | |
| * | Nameplate Screw (4) (for models ending in -EU) | C32-302 | | for new style Guard with smooth threaded face Latch Retainer | 88H60-7A | | |
| * | Warning Label (for models ending in - EU) | EU-99 | 55 | Dust Washer | R4-35 | | |
| * | Nameplate Kit (for 88H60-A40 and 88H60-A40A) | 88H-K301 | 56 | Bearing Cap | 88H-19 | | |
| | Warning Label | WARNING-4-99 | 57 | Bearing Cap Spring | 88H-20 | | |
| | Nameplate Screw (4) | C32-302 | 58 | Arbor (for Type 1 Grinding Wheels up to 1" wide) (for 88HG60H106 and 88HL60H106) (5/8"-11 thread) (13 teeth) | 88H60-4-H10 | | |
| 30 | Arbor Housing Screw (4) | 88H60-29 | 59 | Cone Wheel Arbor (for 88HL90L10) (accommodates 3" Cone Wheel) (10 teeth) | 88H90-104-L10 | | |
| 31 | Arbor Housing Lock Washer (4) | 88H60-58 | 60 | Bearing Locknut | 88H60-84 | | |
| * | 32 | Arbor Housing Gasket | 88H60-283 | 61 | Bearing Lock Washer | 88H60-27 | |
| * | 33 | Rear End Plate Gasket | 88V60-739 | + | 62 | Arbor Bearing | G57E-24 |
| 34 | Controller Retaining Ring | 88V60-118 | * | Wheel Adapter Kit (for 88HG60H106) (consists of four Adapters for mounting Type 1 Wheels as follows:) 32 mm wide x 20 mm arbor hole; 32 mm wide x 32 mm arbor hole; 25 mm wide x 20 mm arbor hole and 25 mm wide x 32 mm arbor hole | 88H60-K900 | | |
| 35 | Controller Assembly (consists of Controller and Rotor Bearing Seal Assembly) | | | | | | |
| | for 88HG60H106 and 88HL60H106 (Blue) | 88V60-A524 | | | | | |
| | for 88HL90L10 (Red) | 88V85-A524 | | | | | |
| 36 | Rotor Bearing Seal Assembly (consists of Rear Rotor Bearing and Rotor Bearing Seal) | 88V60-A28 | | | | | |
| 37 | Bearing Cage | 88H60-107 | * | Controller Wrench | 88V60-950 | | |
| 39 | Rear End Plate | 88V60-12 | * | Seal Pressing Tool | 99V60-951 | | |
| 40 | Cylinder | 88V60-3 | * | Bearing Clamp | 99V60-A952 | | |
| 41 | Rotor | 88V60-53 | * | Kit (includes 88V60-950, 99V60-951 and 99V60-A952) | 88V60-K950 | | |
| * | 42 | Vane Packet (set of 4 Vanes) | 88V60-42-4 | * | Cone Wheel Arbor Wrench | 7RAQT4-254 | |
| * | 43 | Rotor Key | 88V60-70 | * | Deflector Screw Wrench | R2J-562 | |
| 44 | Front End Plate | 88V60-11 | * | Tune-up Kit (includes illustrated parts 3 [2], 5 [2], 6, 11, 12, 21 [2], 22, 23, 32, 33, 34 and 42) | 88V/88H-TK3 | | |
| 45 | Front Rotor Bearing | R380-105 | | | | | |
| * | 46 | Cylinder Dowel | 88H60-98 | | | | |
| 47 | Rotor Shaft | | | | | | |
| | for 88HG60H106 and 88HL60H106 (13 teeth) | 88H60-52 | | | | | |
| | for 88HL90L10 (10 teeth) | 88H90-52 | | | | | |

* Not illustrated.

* To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (*) for every four tools in service.

+ Whenever a new Arbor Housing Assembly 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:
Product Safety Information Manual 04584959.
Product Information Manual 16576100.
Maintenance Information Manual 16573347.

Manuals can be downloaded from www.irttools.com.

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