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Air Grinders and Air Die Grinders

G2 Series (Horizontal)

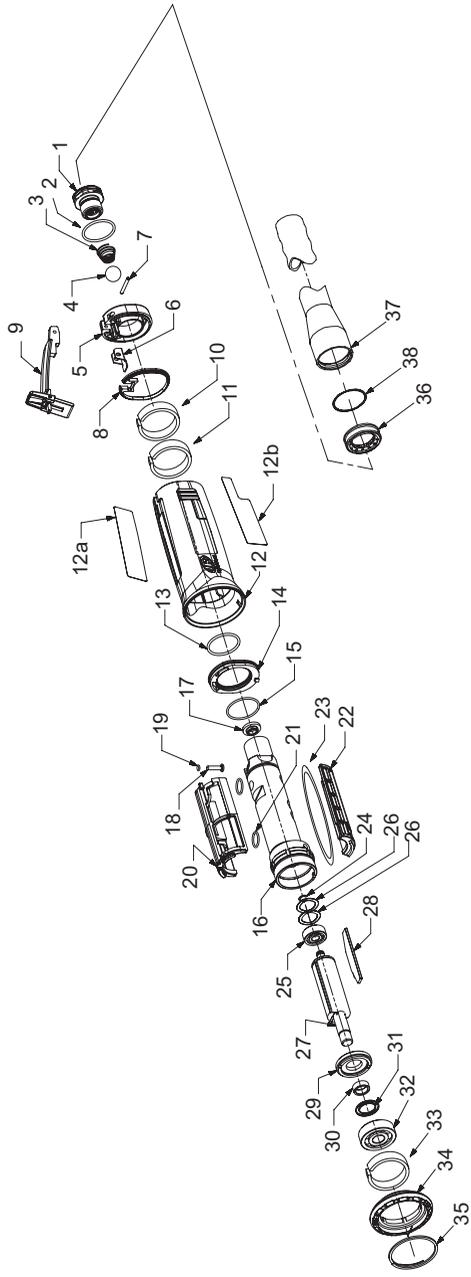
Parts Information



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G2 Series (Horizontal) Air Grinder and Air Die Grinder Exploded Diagram - Body



(Dwg. 16574394)

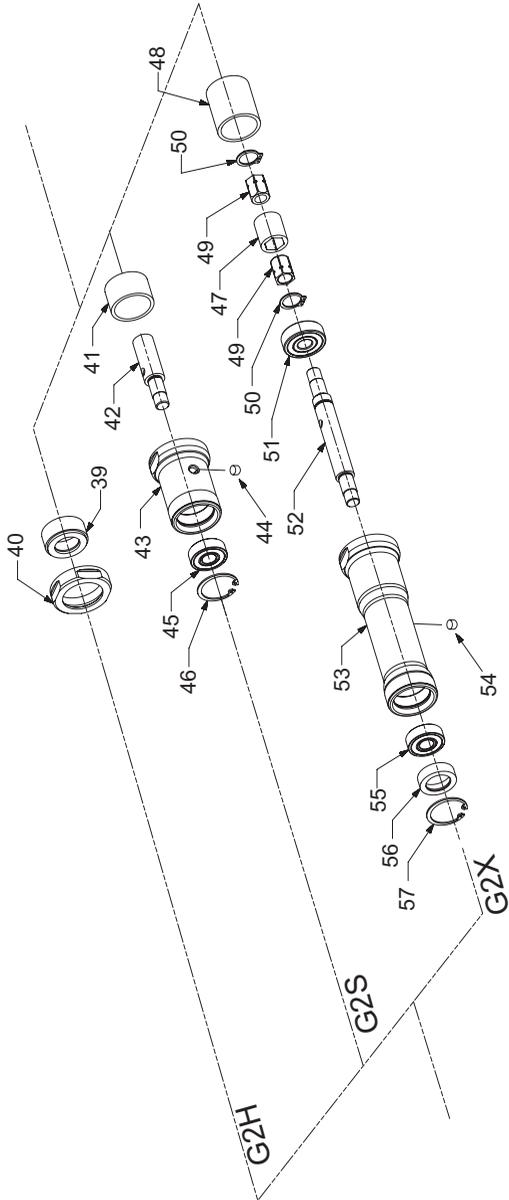
G2 Series (Horizontal) Air Grinder and Air Die Grinder Parts List - Body

| Item | Part Description | Part Number | Item | Part Description | Part Number |
|------|--|-----------------|-----------|---|-------------|
| # | Common parts for ALL G2H, G2X, & G2S Grinders | | | | |
| 1 | Inlet Assembly | AG2-A465 | 20 | Flow Guide Assemblies | |
| * | Inlet Screen | R1602-61 | 21 | Flow Guide O-Ring (2) | 16570798 |
| 2 | Inlet Seal | 85H-167 | | (with each Flow Guide Assembly) | |
| * | Ball Valve Spring Seat | AG2-592 | * | Flow Guide Assembly, for 250 | AG2-A200-1 |
| 3 | Ball Valve Spring | 38966 | * | Flow Guide Assembly, for 220 | AG2-A200-2 |
| 4 | Ball | D10-280 | * | Flow Guide Assembly, for 200 | AG2-A200-3 |
| 5 | Rear Exhaust Diffuser | AG2-123 | * | Flow Guide Assembly, for 180 | AG2-A200-4 |
| 6 | Lever Support | LG2-89 | 22 | Intake Cover Assembly | AG2-A144 |
| 7 | Throttle Lever Pin | 61H-120 | 23 | Intake Cover O-Ring | 16570780 |
| 8 | Rear Exhaust Diffuser Gasket | AG2-223 | 24 | Rear Rotor Bearing Retainer | LG1-118 |
| 9 | Lever Assembly | AG2-A400 | 25 | Rear Rotor Bearing | R120-127 |
| * | Lever | --- | 26 | Rear Rotor Bearing Spacer (2) | 400-25-191 |
| * | Lock Spring | --- | 27 | Rotor | AG2-53-4A |
| * | Lock Pin | --- | 28 | Vane Pack | AG2-42-4 |
| * | Lever Lock | --- | 29 | Front End Plate | LG2-11 |
| 10 | Rear Exhaust Diffuser Muffler | AG2-311B | 30 | Front End Plate Spacer | LG2-65 |
| 11 | Rear Housing Muffler | AG2-311A | 31 | Seal Assembly | 61H-A32 |
| 12 | Motor Housing Assembly | AG2-A40 | 32 | Front Rotor Bearing | LG2-24 |
| 12a | Warning Label | AG2-99 | 33 | Front Muffler | AG2-311F1 |
| 12b | Model Label | AG2-301 | 34 | Front Housing Cap | AG2-202 |
| 14 | Exhaust Seal | AG2-318 | 35 | Flange Clamp | LG2-29 |
| 15 | Front Cylinder O-Ring | 16570772 | * | Exhaust Hose Adapter Kit | LG2-K284 |
| 16 | Cylinder Assembly | AG2-A3 | 36 | Adapter | LG2-184 |
| * | Throttle Bushing | --- | 37 | Hose | 3RL-284 |
| 17 | Ball Valve Seat | AG2-303S | 38 | Retainer | 6WT-203 |
| 18 | Throttle Pin Assembly | AG2-A161 | † | Tune Up Kit, Includes Part Number (2, 3, 4, 8, 10, 11, 13, 14, 15, 18, 21, 24, 25, 26, 28, 31, 32, 33, & 35) | AG2-TK1 |
| 19 | Throttle Pin O-Ring | 16570806 | † | Muffler Kit, Includes Part Number (10, 11, & 33) | AG2-MK311 |
| | | | † | Rotor Kit, Includes Part Number (24, 25, 26, 27, 28, 29, 30, 31 & 32) | AG2-A53-4A |

* Not illustrated.

† To keep downtime to a minimum, it is desirable to stock one of each of these service kits for every four tools in service.

G2 Series (Horizontal) Air Grinder and Air Die Grinder Exploded Diagram - Middle

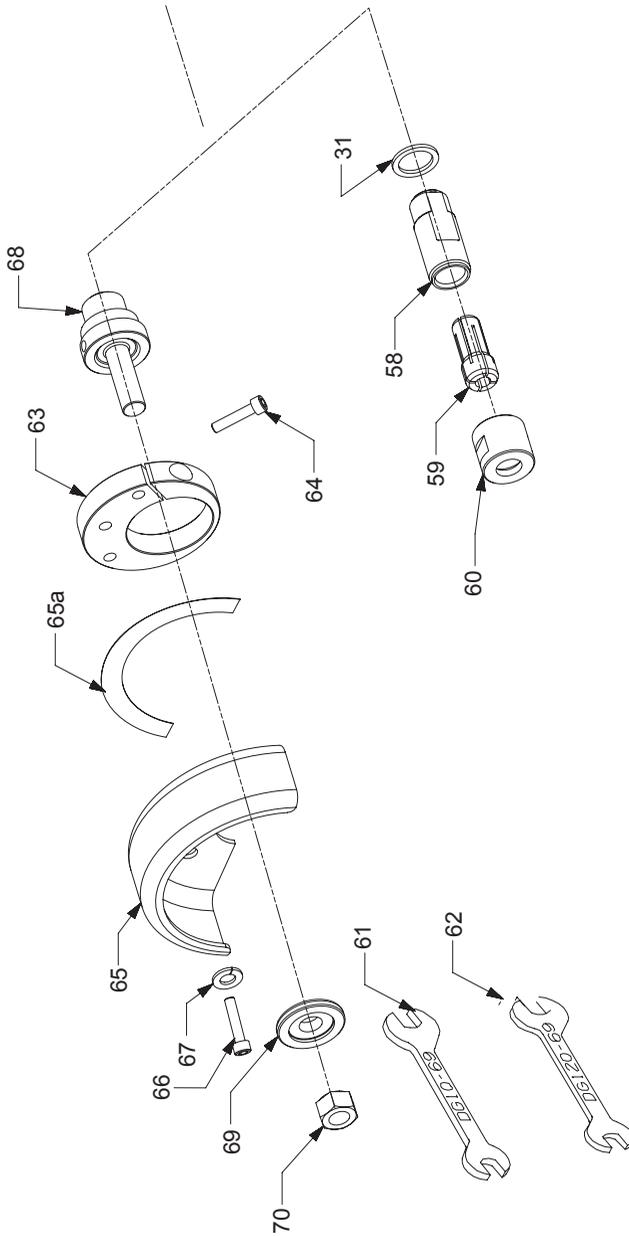


(Dwg. 16574402)

G2 Series (Horizontal) Air Grinder and Air Die Grinder Parts List - Middle

| Item | Part Description | Part Number | Item | Part Description | Part Number |
|------|--|-------------|------|------------------------------|-------------|
| | Additional parts for all G2H models | | 51 | Rear Arbor Bearing | LE2-22 |
| 39 | Clamp Spacer | LG2-46 | 52 | Arbor | |
| 40 | Clamp Nut | LG2-27 | | for all G2X models | LE2-4-5 |
| | Additional parts for all G2S models | | | for all G2XX models | LE2-4-5SL |
| 41 | Clamp Sleeve | LE2-176 | 53 | Arbor Housing | |
| 42 | Arbor | LE2-4 | | for all G2X models | LE2-20-5 |
| 43 | Arbor Housing | LE2-20 | | for all G2XX models | LE2-20-5SL |
| 44 | Arbor Housing Plug | EG220-92 | 54 | Arbor Housing Plug | EG220-92 |
| 45 | Front Arbor Bearing | WFS182-22 | 55 | Front Arbor Bearing | WFS182-22 |
| 46 | Arbor Bearing Retaining Ring | W22-118 | 56 | Arbor Bearing Shield | |
| | Additional parts for all G2X models | | | (for models ending in G4) | LE2-200 |
| 47 | Arbor Coupling | LE2-304 | 57 | Arbor Bearing Retaining Ring | |
| 48 | Clamp Sleeve | LE2-276 | | for all G2X models | W22-118 |
| 49 | Arbor Bearing Nut (2) | LE2-85 | | for all G2XX models (2) | W22-118 |
| 50 | Coupling Retaining Ring (2) | RX3-729 | | | |

G2 Series (Horizontal) Air Grinder and Air Die Grinder Exploded Diagram - End



(Dwg. 16574410)

G2 Series (Horizontal) Air Grinder and Air Die Grinder Parts List - End

| Item | Part Description | Part Number | Item | Part Description | Part Number |
|------|---|----------------|------|--|-------------|
| | Additional parts for all models ending in G4 | | 66 | Guard Mounting Screw (3) | LE2-667 |
| 58 | Collet Body | LG2-290 | 67 | Mounting Screw Washer (3) | L01-67-10 |
| 59 | Collet | | 68 | Straight Wheel Adapter | |
| | for models ending in -G4M | G160HD-700-6mm | | for 3" diameter x 1/2 wide maximum Type 1 wheels | LE2-4-H63 |
| | for models ending in -G4 | G160HD-700-1/4 | | for 4" diameter x 1/4 wide maximum Type 1 wheels | LE3-4-H64 |
| 60 | Collet Nut Assembly | DG120-699A | | | |
| 61 | Collet Body Wrench | DG10-69 | | | |
| 62 | Collet Nut Wrench | DG120-69 | 69 | Wheel Flange | |
| | Additional parts for all models ending in H63 or H64 | | | for 3" diameter x 1/2 wide maximum Type 1 wheels | DEG31-16 |
| 63 | Guard Adapter Assembly | LE2-A710 | | for 4" diameter x 1/4 wide maximum Type 1 wheels | LE3-16 |
| 64 | Guard Adapter Screw | 231-638-10 | | | |
| * | Wheel Guard Assembly | | | | |
| 65 | for 3" diameter x 1/2 wide maximum Type 1 wheels | LE2-A931 | 70 | Flange Nut | 23-697 |
| | Wheel Guard | LE2-931 | | | |
| | for 4" diameter x 1/4 wide maximum Type 1 wheels | LE2-A941 | | | |
| | Wheel Guard | LE2-941 | | | |
| 65a | Warning Label | AG2-99G | | | |

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 Die Grinder Product Safety Information 04580288.
 Air Grinder Product Information Manual 04581211 and 04581799.
 Air Die Grinder Product Information 04581203.

Manuals can be downloaded from www.ingersollrandproducts.com.

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