



Form P6033

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Edition 10

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Air Starters

Series 150BMP

Models D88R54 And D88L54

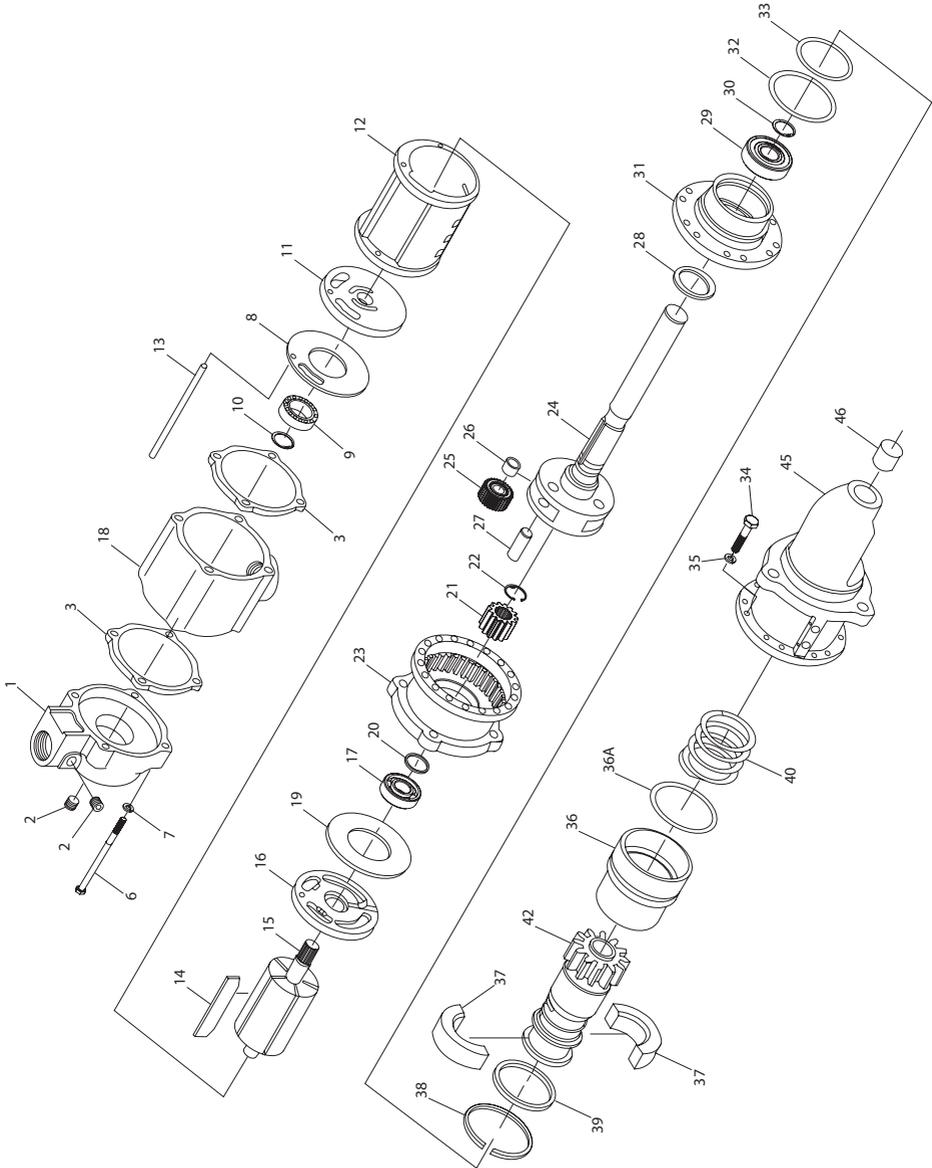
Installation and Maintenance Information



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 **Ingersoll Rand**

Air Starters, Series 150BMP Models D88R54 and D88L54 - Exploded View



(Dwg. TPA484-3)

Air Starters, Series 150BMP Models D88R54 and D88L54 - Parts List

| Item | Part Description | Part Number | Item | Part Description | Part Number |
|------|---------------------------------------|---------------|------|--|---------------|
| † 1 | Motor Housing Cover Assembly (1-1/4") | 150BMP-A102A | ‡ 30 | Planet Gear Frame Retaining Ring | C6H20A-6 |
| 2 | Lubricator Port Plug (3) | HSPPS-3 | 31 | Gear Case Cover Assembly | 101BMP-A378-2 |
| * | Nameplate | 150BM-301 | ‡ 32 | Gear Case Cover Seal | 150BMP-607 |
| * | Nameplate Screw (3) | R4K-302 | ‡ 33 | Piston Seal | 150BMP-604 |
| 6 | Motor Housing Cover Cap Screw (4) | 107-25 | 34 | Drive Housing Cap Screw (9) | 10BM-744 |
| 7 | Cover Cap Screw Lock Washer (4) | D02-504 | 35 | Drive Housing Cap Screw Lock Washer (12) | 10BM-67 |
| ‡ 8 | Motor Housing Cover Gasket | 150LF-283 | 36 | Piston Assembly | 150BMP-703 |
| ‡ 9 | Rear Rotor Bearing | R3H-24 | 36A | O-Ring | 150BMP-337 |
| ‡ 10 | Rear Rotor Bearing Retainer | C57-729 | 37 | Shift Ring (two halves) | 101BMP-705-1 |
| 11 | Rear End Plate | 150LF-12A | 38 | Shift Ring Retainer | 10BMP-606 |
| 12 | Cylinder | 150BM-3 | 39 | Shift Ring Spacer | 10BMP-602 |
| 13 | Cylinder Dowel | 10BM-98 | 40 | Piston Return Spring | 101BMP-700-1 |
| ‡ 14 | Vane Packet (set of 5 Vanes) | 10BM-42-5 | 42 | Bendix Starter Drive | |
| 15 | Rotor | 10BMP-53 | | for Model D88R54 | 101BMP-299-1 |
| 16 | Front End Plate | 150LF-11A | | for Model D88L54 | 101BMP-299-2 |
| ‡ 17 | Front Rotor Bearing | S12-218 | 45 | Drive Housing Assembly | 150BMP-300-88 |
| 18 | Motor Housing | 10BM-40 | ‡ 46 | Drive Housing Bearing | ML50K-318 |
| ‡ 19 | Gear Case Gasket | 150LF-284 | * | Air Strainer Assembly | K4U-A267AT |
| 20 | Rotor Pinion Spacer | 101BMPD-753 | * | Air Strainer Cap | K4U-286AT |
| 21 | Rotor Pinion | 101BMPD-17 | * | Air Strainer Plug | 22SR-165 |
| ‡ 22 | Rotor Pinion Retainer | 10BM-69 | * | Air Strainer Screen | K4U-61AT |
| 23 | Gear Case | 101BMPD-37 | * | Air Strainer Nipple (1-1/4" x 2-1/2") | SS350-HN20 |
| 24 | Planet Gear Frame | 101BMPD-367-1 | * | Road Splash Deflector Assembly | 150BM-A735 |
| 25 | Planet Gear Assembly (3) | 101BMPD-A10 | * | Muffler Assembly | 150BM-A674 |
| 26 | Planet Gear Bearing (3) | D01-243 | * | Tune-up Kit (includes illustrated parts 8, 9, 10, 14, 17, 19, 22, 29, 30, 32, 33 and 46) | 150BMPD-TK1 |
| 27 | Planet Gear Shaft (3) | 101BMPD-191 | | | |
| 28 | Planet Gear Frame Thrust Ring | R3H-511 | | | |
| ‡ 29 | Planet Gear Frame Bearing | 101BMPD-510 | | | |

‡ Indicates Tune-up Kit part.

* Not Shown

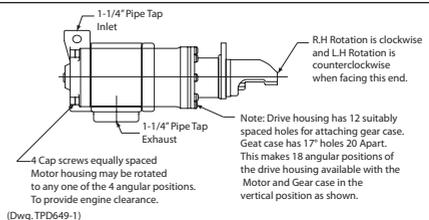
† If the Motor Housing Cover being replaced has a 1" inlet, Order no. 11BMP-800-3 Adapter (1-1/4"x1")

Lubrication

For temperatures above 32° F (0° C), use a good quality SAE 10 non-detergent motor oil. For temperatures below 32° F (0° C), use diesel fuel. We recommend the use of an **Ingersoll Rand** No. HDL2 lubricator which is designed for air or gas driven starters. Use of this lubricator will help to eliminate costly downtime caused by lubrication neglect.

Starter Reorientation

Starters can be assembled in different angular positions to provide a variety of locations for the inlet, exhaust and mounting flange holes. Reorient only if necessary to mount the starter to the engine or connect air lines to the starter.



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 45558624.

Manuals can be downloaded from www.ingersollrandproducts.com.

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