



Danfoss M-MFB15-15 Fixed Inline Piston Motor User Manual

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Danfoss M-MFB15-15 Fixed Inline Piston Motor



Product Information

The M-MFB15-15 Fixed Inline Piston Motor is a high-performance hydraulic motor designed for industrial applications. It has a flow rating of 15 USgpm at 1800 RPM and can rotate in either direction. The motor comes with a mounting kit, foot mounting bracket, valve plate assembly, cylinder block, and other necessary components for installation. It is recommended to use full flow filtration to ensure optimum performance of the motor.

Product Components

- Fixed Inline Piston Motor – M-MFB15-15
- Foot Mounting Bracket Model – M-MFB*-f**-31
- Mounting Kit – FB-B-10 (Includes Screws)
- Valve Plate S/A (Includes 12016 Bearing) – 922995
- 167237 Pin (2 req'd)
- 12016 Bearing
- 279706 Gasket
- 241954 Spring Washer
- 326181 Cylinder Block
- 1276 Screw (4 req'd) Torque to 25-35 lb. ft.
- 93509 Retaining Ring
- 245223 Lift Limiter
- 247294 Spring
- 24881 Pin (3 req'd)

- 423324 Spherical Washer
- 275961 Shoe Plate
- 227401 Screw (4 req'd)
- 263451 Nameplate
- 164432 Instruction Plate
- 321621 Housing
- 274382 Retainer
- 237713 Bearing
- 120428 Retaining Ring
- 119982 Retaining Ring
- 923190 Piston Kit (9 pistons)
- 239077 Swash Plate
- 343573 Shaft Seal
- 263497 O Ring
- 186580 Plug

Recommended Filtration

For optimum performance, it is recommended to use full-flow filtration to provide fluid that meets ISO cleanliness code 20/18/15 or cleaner. Selections from Danfoss OF P, OFR, and OFRS series are recommended.

Product Usage

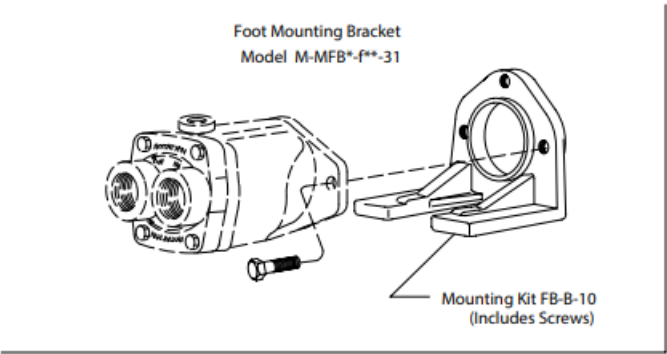
The M-MFB15-15 Fixed Inline Piston Motor is designed for use in industrial applications where high-performance hydraulic motors are required. Before installation, ensure that all components are included and free from damage. It is recommended to use full-flow filtration to provide fluid that meets ISO cleanliness code 20/18/15 or is cleaner for optimum performance.

Installation Instructions

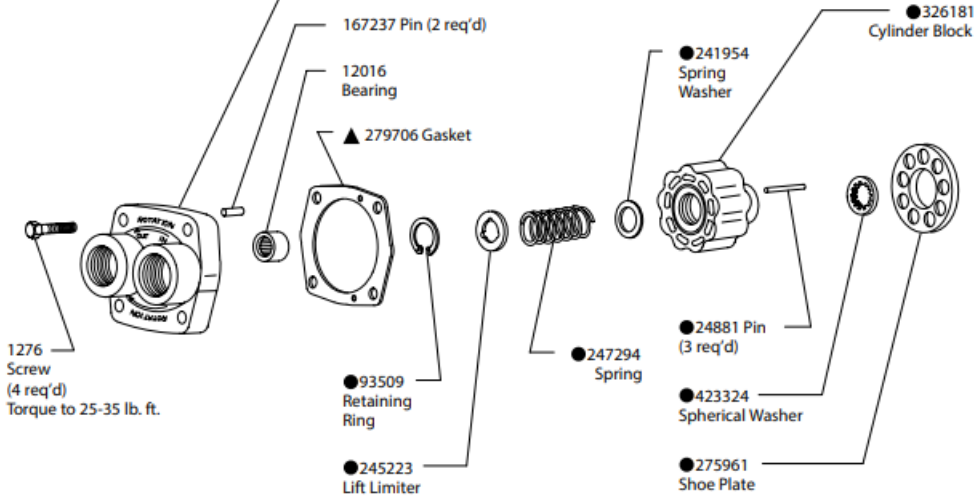
1. Attach the foot mounting bracket (M-MFB*-f**-31) to the motor using the mounting kit (FB-B-10), including screws.
2. Install the valve plate assembly (922995), ensuring that the 12016 bearings is included.
3. Install the cylinder block (326181).
4. Attach the shoe plate (275961) to the cylinder block using screws (227401).
5. Install the swash plate (239077) and the nine pistons included in the piston kit (923190).
6. Install the lift limiter (245223), spring (247294), pin (24881), and spherical washer (423324) in the shoe plate.
7. Install the retaining ring (120428) and bearing (237713) in the cylinder block.
8. Install the retaining ring (119982) and O ring (263497) in the housing (321621).
9. Install the plug (186580) in the housing.
10. Attach the nameplate (263451) and instruction plate (164432) to the motor.

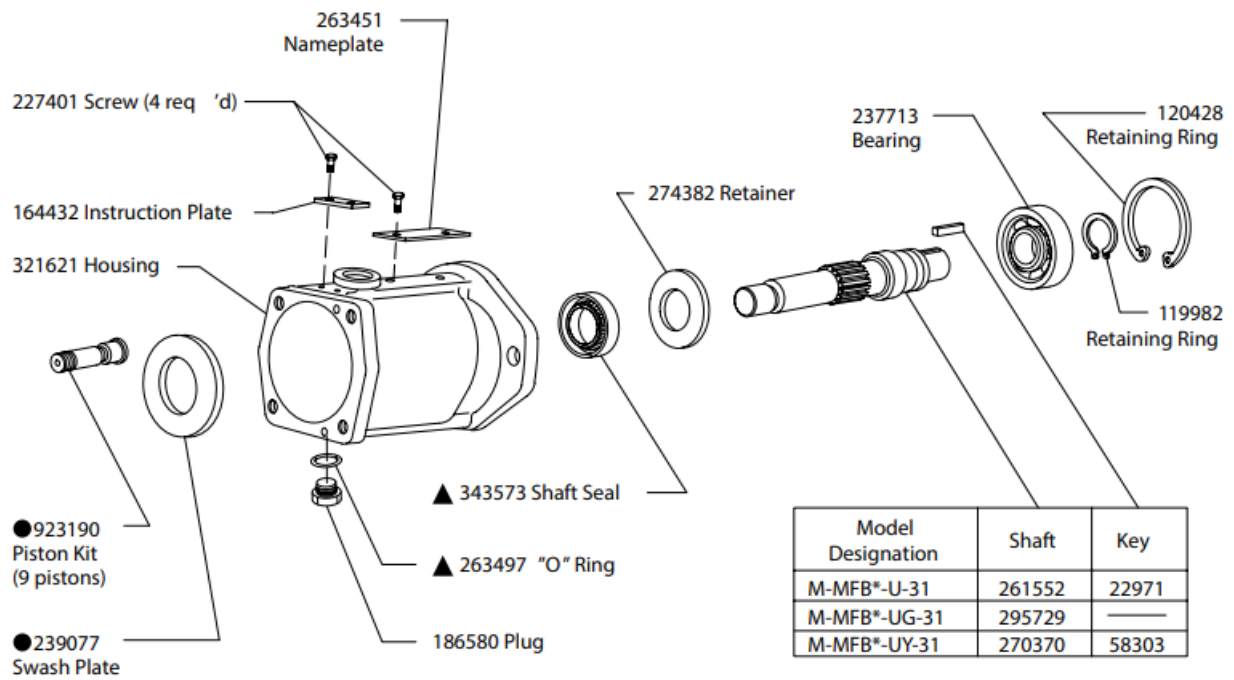
Once the motor is installed, ensure that it is properly lubricated and that all connections are tight. The motor can rotate in either direction and is suitable for a variety of industrial applications. If at any point the motor requires maintenance or repair, refer to the user manual for instructions or contact a product expert for assistance.

Parts depreciation



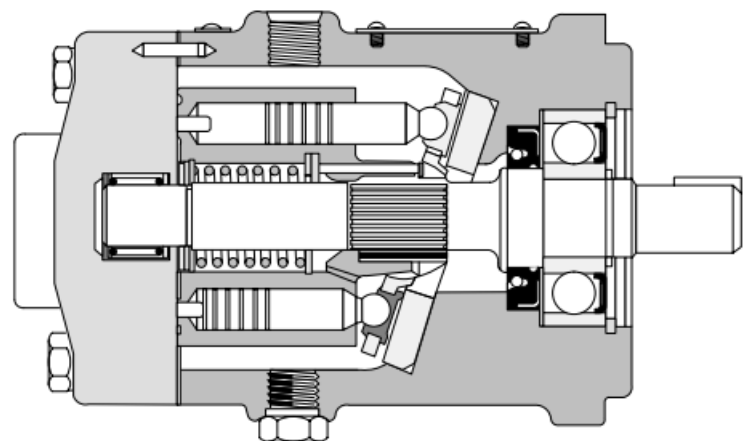
Model	Valve Plate S/A (Includes 12016 Bearing)
M-MFB15-U*-31	922995





● Included in 922996 Rotating Group Kit

▲ Service all units with F3 Seal Kit 919521



Assembly View

Model Code

M - MFB 15 - * * - 31

1 2 3 4 5 6

1. Mobile Application

2. **Model Series**

- MFB – Motor, fixed displacement, inline piston type, B series

3. **Flow Rating**

- @1800 RPM
- 15 – 15 USgpm

4. **Shaft Rotation**

- **U** – Either direction

5. **Shaft Type**

- **Y** – Standard (Keyed)
- **G** – Splined

6. Design

- For satisfactory service life of these components in industrial applications, use full low filtration to provide which meets
- ISO cleanliness code 20/18/15 or cleaner. Selections from Danfoss OF P, OFR, and OFRS series are recommended.

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Local address:

- Danfoss
- Power Solutions (US) Company
- 2800 East 13th Street
- Ames, IA 50010, USA
- Phone: +1 515 239 6000
- Danfoss Power Solutions Trading
- (Shanghai) Co., Ltd.
- Building #22, No. 1000 Jin Hai Rd
- Jin Qiao, Pudong New District
- Shanghai, China 201206
- Phone: +86 21 2080 6201
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- **Danfoss March 2023**

Documents / Resources

	<p>Danfoss M-MFB15-15 Fixed Inline Piston Motor [pdf] User Manual M-MFB15-15 Fixed Inline Piston Motor, M-MFB15-15, Fixed Inline Piston Motor, Inline Piston Motor, Piston Motor, Motor</p>
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References

-  [Daikin Sauer Danfoss - Home](#)
-  [Danfoss - Engineering Tomorrow | Danfoss](#)
-  [Hydro-Gear Drivetrain Solutions | Home](#)