

INSTRUCTION SHEET

FA2A WINCH

FILTER and LUBRICATOR INSTALLATION

Form MHD56135

This instruction sheet covers the Filter and Lubricator installation. This option is used to provide clean lubricated air to the motor which will improve the service life of the air motor. This sheet gives authorized service personnel the information needed to install the Filter and Lubricator.

This instruction sheet should be used in conjunction with the FA2A Parts, Operation and Maintenance Manual, form MHD56117.

OPERATION

Filter/Strainer

The filter/strainer provides 20 micron air filtration and acts as a moisture trap. The filter/strainer should be inspected periodically to maintain its operating efficiency. Moisture and dirt are contaminants that will shorten the life of an air motor.

Lubricator

The lubricator provides a fine oil mist to the inlet air. This lubricated air ensures long life of the air motor. Excess lubrication will be discharged through motor exhaust. The lubricator should be set to provide 3 drops of ISO VG 32 (10W) lubricant. The lubricant should be high quality, rust and oxidation inhibited.

INSTALLATION

⚠ WARNING

- Never perform maintenance on the winch while it is supporting a load.
- Before performing maintenance, tag controls:
**DANGER - DO NOT OPERATE -
EQUIPMENT BEING REPAIRED**
- Turn off air system and depressurize air line before performing any maintenance.

Disconnect supply air line from motor inlet

Mounting Bracket

1. Remove the two capscrews and washers from the sideframe closest to the motor.
2. Insert the capscrews and washers through the bracket (8) and place into the sideframe. Tighten to 75 ft lbs (102 Nm).

Attaching Filter and Lubricator

1. Apply pipe sealant to fitting (11). Screw the fitting into the output side of the filter (6). Screw the assembly into the input side of the lubricator (7).
2. Apply pipe sealant to fitting (10) and screw into the output side of lubricator (7).
3. Apply pipe sealant to fitting (9) and screw into fitting (10), tighten.

4. With fitting (10) on the motor side of bracket (8), use U-bolts (2) and nuts (1) to fasten the filter lubricator assembly to the bracket.

Routing Air Lines (Rear Mount)

1. Apply pipe sealant to fitting (3) and screw into the air inlet on top of the motor. Ensure that the fitting is pointing between the exhaust flange and upright, towards the front of the winch.
2. Install one hose end (4) to both ends of hose (5).

NOTICE

• Clean out the inside of hose to prevent dirt from entering the motor. Place seven to nine drops of clean ISO VG 32 (10W) lubricant in hose.

3. Attach hose assembly to fitting (3), tighten. Run hose between upright and exhaust flange and under the motor, connect to fitting (9), tighten.
4. Reconnect air supply line to the input port of filter (6).

Routing Air Lines (Front Mount)

1. Apply pipe sealant to fitting (3) and screw into the air inlet on top of the motor. Ensure that the fitting is pointing towards the rear of the winch and parallel to the upright.
2. Install one hose end (4) to both ends of hose (5).

NOTICE

• Clean out the inside of hose to prevent dirt from entering the motor. Place seven to nine drops of clean ISO VG 32 (10W) lubricant in hose.

3. Attach hose assembly to fitting (3), tighten. Run hose around and under the motor, connect to fitting (9), tighten.
4. Reconnect air supply line to the input port of filter (6).

Inspection and Test

1. Slowly return supply air line pressure.
2. Inspect all fittings and connections for air leaks.
3. Actuate control lever in both directions observing winch for proper operation.

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Edition 2

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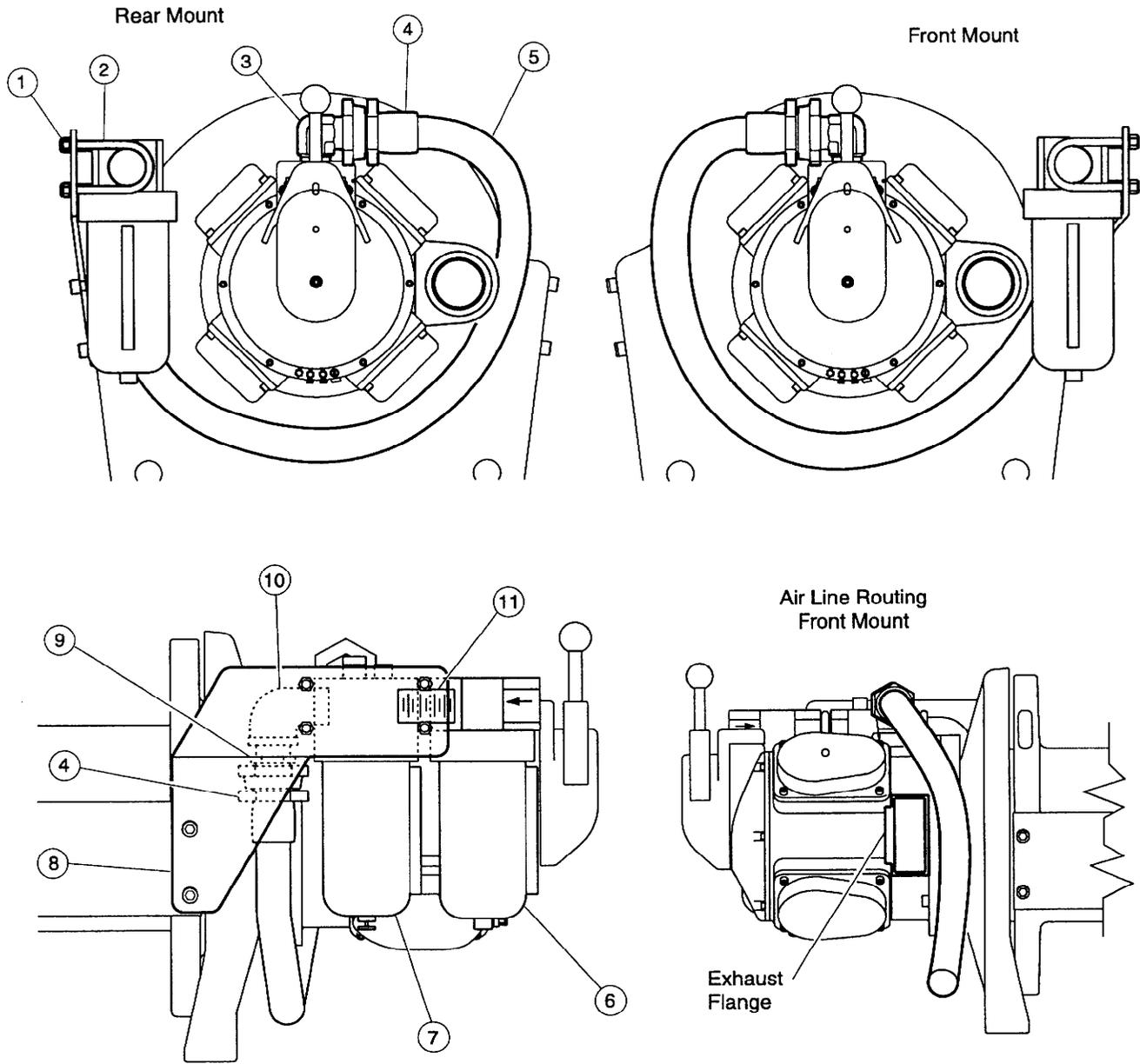
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MATERIAL HANDLING

FILTER AND LUBRICATOR KIT ASSEMBLY DRAWING AND PARTS LIST



(Dwg. MHP1223)

ITEM NO.	DESCRIPTION OF PART	QTY TOTAL	PART NUMBER	ITEM NO.	DESCRIPTION OF PART	QTY TOTAL	PART NUMBER
---	*Filter Lubricator Assembly Rear Mount	1	26044	5	Hose	3 ft	50766
---	*Filter Lubricator Assembly Front Mount	1	26107	6	Filter	1	71323935
1	Nut	4	71069132	7	Lubricator	1	71323927
2	U-Bolt	2	71324537	8	Bracket rear mount	1	26045
3	Fitting, Elbow	1	54259	8	Bracket front mount	1	26108
4	Hose End	2	54125	9	Fitting	1	52076
				10	Fitting, Elbow	1	71127484
				11	Pipe Nipple	1	51704

* Includes items 1 through 11