



BROOM ENGINEERING Cc

EST. 1976

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BROOM B-RANGE DIRECTION OF ROTATION

Identifying the direction of rotation

There are three ways to find out the direction of rotation of your vacuum pump.

Method 1:

With the drive end (or shaft pointing towards you), does the vacuum pump turn to the right (clockwise) or the left (anticlockwise)?

Method 2:

On the lubrication or oil pump, does the nameplate include an "R" for right (clockwise) or an "L" for left (anticlockwise) at the end of the model number?

Method 3:

Looking at the vacuum pump from the top, is the arrow on the drive side or the lubrication side?





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Changing the direction of rotation of your vacuum pump

Before starting, obtain the correct rotation oil pump from Broom Engineering.

- 1) Remove Tank & Pipes – Before removing the oil tank, stop oil running out by swivelling the pipe from the oil pump upwards
- 2) Work with the machine upside down (feet upwards). This stops the rotor from resting on the bearings.
- 3) Working on the lubricator end, remove the oil pump from the bearing cover (2 – M6 cap screws), remove the bearing cover (4-m8 hex headsets)
- 4) Remove shaft circlip.
- 5) Use m10x50 (or longer) set screws in the two tapped holes (in line with the shaft) to pull off the bearing housing. Tap out bearing.
- 6) Remove the m10 holding bolts from the drive-end bearing housing, hold the end of the shaft in your left hand and remove it from the body of the exhauster, complete with the blades/ vanes.
- 7) Rotate the body to the desired direction of rotation, and the rotor can be pushed back in.
- 8) Replace the components – Note: no gaskets or sealer is used between the body and bearing housing, clean, dry metal to metal is correct. Oil both the shaft and the bearing, tap bearing in.
- 8) Fit the new oil pump by gently connecting it to the vacuum exhauster.
- 9) From the oil pump end, use a squirt-type oil can to prime the oil pipes (use the same oil as the truck engine), then connect the oil pump end and gently tighten.

