

TB 146

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Service Engineers, Installers, Trade Customers, Testers,
Training Dept, H & S Manager etc.....

Date : 6/3/14

Product : Midilift SL Platform lift

Subject : Change of pump unit manufacturer

Pages : 3

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Detail

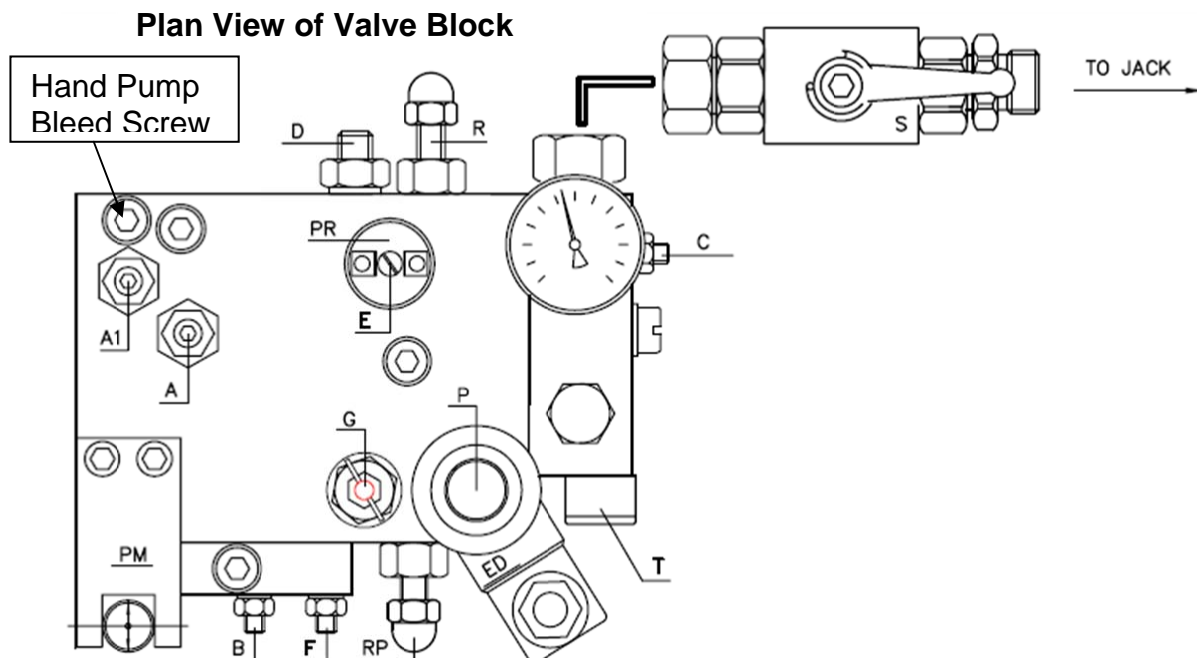
From the start of April, Midilift SL units over 3m travel will start to be supplied with a hydraulic pump unit that is manufactured by IGV. The pumps have been introduced to increase speed to 0.15m/s and are being implemented with a change to oil viscosity and hose size to increase performance.



- To remove the lid, use the triangular key to unlock and pull the lid handle forward towards you, not up, for about 50mm. The lid can then be removed.
- The oil tank holds about 30 Litres of oil and is to be filled with HVI 32 Hydraulic oil. A dipstick is provided on the filler cap.

- 1/2" hose and fittings are to be used with this pump unit.
- A hand pump is fitted as standard on this unit and although not required for lift operation, may be useful during installation. It may be difficult to get the hand pump working due to trapped air and a number of strokes may be necessary before it functions correctly. There is a bleed screw that can be used, which is marked on the diagram. Whilst pumping, undo the screw slightly until oil is seen and then close. Repeat as required.
- For installations of more than 2 floors, optimum slowing distances can be achieved by following the motor calibration procedure (appendix E in the electrical wiring manual).
- The valve block has been set up by IGV but it is possible that some adjustment is necessary and valve locations and adjustments are detailed below:

Note: Only make small adjustments at a time before checking lift operation. It is usually good practice to press the emergency lowering valve slightly before checking adjustments.



A - Pressure Relief Valve. To adjust, release the lock nut (13mm AF) and with a 4mm Hex socket key turn clockwise to increase the pressure and anti-clockwise to decrease the pressure setting. **Ensure that the lock nut is retightened after adjustment to prevent leakage!**

A1 - Hand Pump Pressure Relief Valve. Adjust as above.

B - Up Start Time. - Should not be adjusted.

C - Down Outflow Opening Valve. Should not be adjusted.

D - Down Speed Adjustment. - To adjust, turn clockwise to slow the lift and anti-clockwise to increase the speed.

E - Max. Pressure Switch. - To adjust, gently pull off the rubber cap to expose the switch and with a flat bladed screw driver, turn clockwise to increase the pressure and anti-clockwise to decrease the pressure. Always press the emergency relief valve slightly after adjustment to check the setting. Refit the rubber cap.

F- Up Soft Start. - To adjust, release the lock nut (10mm AF) and with a 3mm Hex socket key turn clockwise for a smoother start and anti-clockwise for a faster start. **Ensure that the lock nut is retightened after adjustment to prevent leakage!**

G- Down Soft Start. - To adjust, release the lock nut (10mm AF) and with a flat bladed screwdriver, turn clockwise for a smoother start and anti-clockwise for a faster start. **Ensure that the lock nut is retightened after adjustment to prevent leakage!**

R - Pressure Gauge Shut off Valve. - Turn anti-clockwise to activate the pressure gauge. Turn clockwise to deactivate the gauge after adjustments and testing.

RP - Rupture Valve testing shut off valve. - **Keep Closed.** This bypasses all down speed control and is only to be used to check operation of the rupture valve!

Summary

IGV pump units as detailed above are to be fitted to platform lifts above 3m travel. Please retain this document as reference for its operational settings.