

Model L500 - Installation and Maintenance

The De-Bug Microbial Decontamination Unit should be fitted in the fuel line, ideally after any filter/water separator but before the main engine filter.

- When selecting a suitable location, try to ensure reasonable accessibility, and also on vehicles and equipment used in the open, that the unit is shielded from air currents to minimize possible wax formation in the fuel during cold weather.
- Obtain two 10mm bolts of suitable length, complete with nuts and washers. Mark out the mounting bolt holes at the selected point, drill two 10mm clearance holes, and then mount the unit, ensuring that the nuts are firmly tightened.
- The original fuel line must be cut and realigned to meet the inlet and outlet of the De-Bug unit (also ensure that the repositioned pipe contains no air traps in the new layout). Obtain the appropriate ½ inch NPT threaded unions, fit to the ends of the fuel lines and then firmly tighten the unions into the De-Bug.
- After checking that all the bolts and unions are tight, bleed the fuel system using the bleed screw on the top of the unit to remove all traces of air.
- The De-Bug Microbial Decontamination Unit is now ready for years of trouble free service.

Special Notes

- If you have removed the bowl do not over tighten during replacement as the unit has an O-Ring. **Do not tighten in excess of 6 Pounds Feet (lb.ft) or 8 Newton Metres (Nm).**
- In cases of heavy infestation it may be necessary, after the unit is first fitted, to remove the bowl from the unit once or twice and thoroughly clean it.
- In cases of very severe infestation, it may be necessary, as a preliminary measure, to clean the tank and fuel lines. This should be a once only requirement.
- When changing your fuel filter, drain the De-Bug unit using the drain plug at the base of the bowl to empty any water.

Guarantee

- Provided the unit is fitted in the approved manner and correctly used, the L500 is guaranteed to significantly reduce microbial contamination. The unit is guaranteed against manufacturing defects for twelve months.

Technical Specifications



Application:	For diesel fuel, marine diesel, light oil and gas oil.
Engine ratings:	100 to 300 horsepower.
Flow rate:	Recommended up to 500 litres per hour.
Weight:	1.5 Kilograms.
Size:	115mm deep by 150mm high by 124mm wide.
Port Size:	½ inch National Pipe Thread
Operating Pressure:	Up to 50psi
Materials:	LM6 marine grade, anti-corrosive aluminium alloy.

The L500 De-Bug unit requires little maintenance. Sludge and Water will settle in the bowl, which can be drained out at regular intervals using the drain plug fitted to the bowl base. Should metal from the fuel tank/lines congregate on the magnets, the bowl may be removed by releasing the bowl retaining bolt at the base of the unit and removing the bowl cover. When reassembling follow the above instructions ensuring that any bolts using a rubber O-Ring are tightened at no greater than 6 Pounds Feet (lb.ft) or 8 Newton Metres (Nm).