TO FIT NEW MANTLE. Remove hood and burner complete. Unscrew mantle support (V.29). Fit new mantle in accordance with instructions in mantle envelope.

TO FIT NEW VAPORIZER. If light remains poor after cleaning jet and pumping, a new vaporizer (V.40) is needed. Remove hood and burner complete, glass and spirit cup. Unscrew old vaporizer and replace with a new one and screw down tightly. Make sure washer supplied with vaporizer is in position. When handling a vaporizer take care not to allow pricker wire and spring to fall out.

WASHERS. Loss of pressure, leaking or pump failure indicate need to replace washers. These can be reached for replacement as follows:

Vaporizer Washer. Remove hood and burner complete, glass, spirit cup and vaporizer.

Jet Cleaner Washer. Remove hood, glass and spirit cup. Remove screw in knob of jet cleaner and slide knob off spindle. The jet cleaner and vaporizer can now be unscrewed (without removing frame) and washer replaced.

Filler Cap Washer. Unscrew filler cap (V.87) and replace large washer. To reach small washer remove split pin and unscrew air release (V.6).

Pump. To fit new leather unscrew collar. Withdraw pump and unscrew retaining nut (new pump leather must be soaked in oil). To remove valve (V.15), a screw driver can be inserted down the barrel for renewal of washers (2).

IMPORTANT. WHEN USING THIS OR ANY OTHER KEROSINE (PARAFFIN) OPERATED APPLIANCE, ALWAYS ENSURE THAT THE ROOM IS REASONABLY VENTILATED.

PRINCIPAL SPARES

NATO Stock No.		Ref.	NATO Stock No.		Ref.
977–0062	Hood	V.78	977–0474	Frame	V.79
125–1579	Burner Complete	V.56	977–0640	Frame Nut	V.80
129–6561	Mantle	V.42	125–1673	Pump Complete	V.16
125–1643	Mantle Support	V.29	125–1629	Pump Leather	V.24
129–6557	Vaporizer	V.40	125–1674	Pump Valve	V.15
977–0009	Jet Cleaner	M.74	127–8600	Filler Cap	V.87
977–0471	Spirit Cup	M.72	125–1677	Air Release Screw	V.6
977–0473	Globe	V.805	125–1698	Washer Set	V.5

WILLIS & BATES LTD HALIFAX ENGLAND

Cat. No. 2–320–79.

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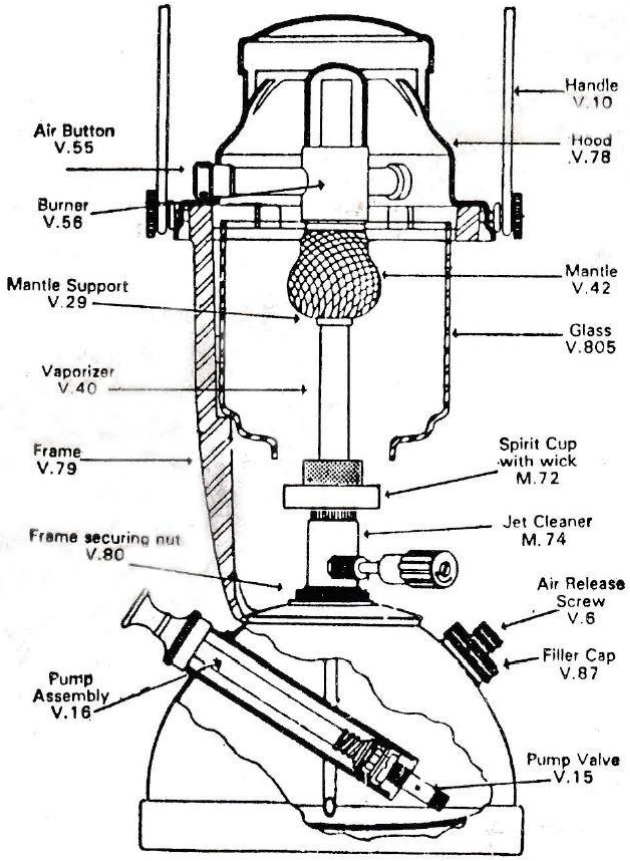
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WILLIS & BATES LTD HALIFAX ENGLAND

Cat. No. 2–320–79.



INSTRUCTIONS FOR OPERATING

VAPALUX LANTERN M320

NS No. 6260–99–977–0470

MADE TO BRITISH STANDARD NO. 2049

Unpacking
Loosen handle nuts, remove hood (V.78) and glass. Remove packing and reassemble.

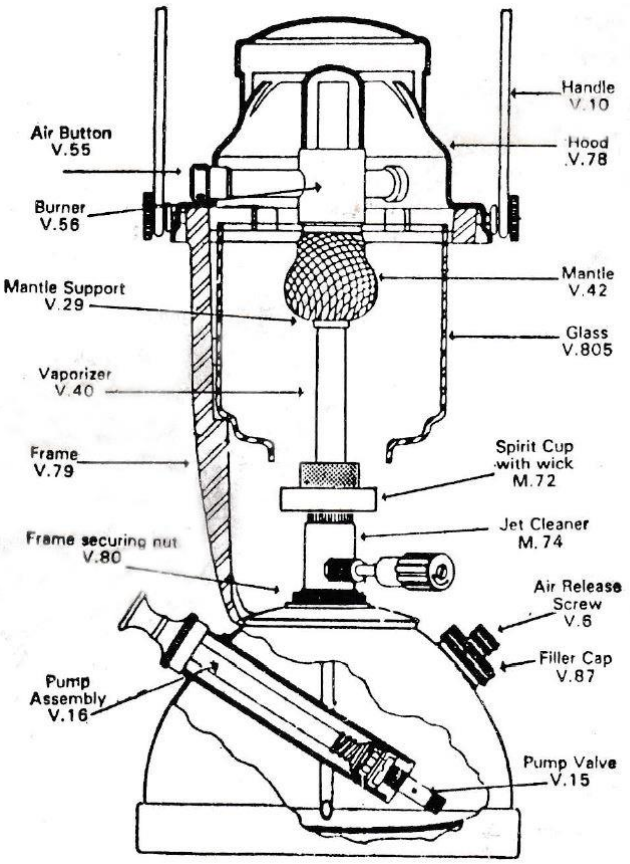
To Fill Lamp
Unscrew filler cap (V.87) and fill with *clean paraffin—not petrol.* Capacity 1 litre. Do not tilt lamp when filling. Screw filler cap on tightly.

Spirit Can
Fill with methylated spirit (alcohol).

To Light Lamp
Slacken air release screw (V.6). Turn knob on jet cleaner (M.74) anti-clockwise. *Without removing hood* raise glass (V.805). Insert spout of spirit can under glass and completely fill cup (M.72) with spirit. Apply light to spirit and lower glass. Allow to burn until spirit is almost consumed (about 3 minutes). Tighten air release screw and operate pump (V.16) until mantle lights (about 12 strokes). After mantle lights allow to burn for ½ minute and then pump to obtain maximum light (20/30 strokes). There is no advantage in over pumping.

N.B.
If the mantle flares on starting to pump, immediately turn knob of jet cleaner (M.74) a half turn clockwise and quickly release pressure by unscrewing air release screw (V.6). The reason for mantle not lighting correctly is that insufficient time has been allowed to pre-heat the vaporizer. *Repeat lighting operations as above.*

To Extinguish
Slacken air release screw (V.6) and *leave it unscrewed.*



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