

SECTION ONE – ADALIT L1000 RECHARGEABLE TORCH

INTRODUCTION

The Adalit L1000 torch is a rechargeable intrinsically safe torch. It is introduced to replace all existing handlamps and torches, including BA torches, which are currently carried on appliances. The only other torch in use will be the officer's handlamp which is carried in the officer's car.

DESCRIPTION

The Adalit L1000 has a fixed power pack which is recharged using the charging units installed in the appliances.

The head of the torch is moveable through 90 degrees. This enables the torch to be used as a hand held unit or to be fixed to the fire tunic by means of a clip attached to the torch body. There is also a split ring attached to the torch so that it may be clipped to a BA set.

There are two bulbs which give a main beam or a dispersed beam.

USE

The torch is operated by a rotating switch on the right side of the torch head. This may be turned in either direction and has four positions:

- 1 OFF
- 2 Dispersed Beam
- 3 OFF
- 4 Main Beam

The main beam will give a concentrated light for searching, especially in smoke. The dispersed beam is for general use.

There is a LCD display charge indicator on the side of the torch which shows the duration of the charge remaining in the power pack. This reads from 1 to 8, and the duration of time for which the charge will last is shown below. The LCD display only illuminates when the torch is on charge or is switched on.

<u>Charge Indicator Display</u>	<u>Duration of Charge</u>
8	2 hrs 12 mins
7	2 hrs 10 mins
6	1 hr 52 mins
5	1 hr 34 mins
4	1 hr 16 mins

3	0 hr 58 mins
2	0 hr 40 mins
1	0 hr 22 mins
0	0 hr 04 mins

CHARGING

The vehicle mounted charging units are fitted in the crew cab. They operate on a 24 volt supply which is taken from the vehicles own 240 volt charging system. This means that the torches are only recharged when the vehicle's own batteries are being charged.

The torch must always be stowed in the charging unit with the switch in the off position when not in use.

When charging is in progress the red LED on the charger will be illuminated. When charging is complete the red LED will go out and the green LED will illuminate and the charge indicator display will show 8. Leaving a fully charged torch in the charger will not harm the power pack. Should the torch require charging and the red LED does not illuminate when the torch is placed in the charging unit, then the black booster button on the charger should be pressed. This should only normally occur if the power pack is totally drained and needs a 'boost' to get the charging process started. Charging should then proceed normally.

The green lamp on the base of the charging units has no purpose for Brigade use and is not connected, it should therefore be ignored.

CLEANING AND MAINTENANCE

The body, head and lens should be cleaned with warm soapy water and a soft cloth is required. On no account should solvents or abrasives be used. Any faults on the torch or charging units should be reported to Technical Services.

SAFETY

The torch and charger are CE marked. Risk assessments have been carried out and there are no significant hazards.

The torch must not be used with BA if the charger indicator is below 3.

When personnel are wearing BA, a torch must be removed from the charger unit, the charge indicator display checked, and the torch then attached to the BA set in the normal manner. BAECOs should ensure all wearers have a torch attached to their set prior to committing to an incident.

No attempt should be made to open the body or head of the torch, as this will detract from the intrinsic safety of the torch.

LOCATION

Six torches and two, three bay chargers are located on each pumping appliance.