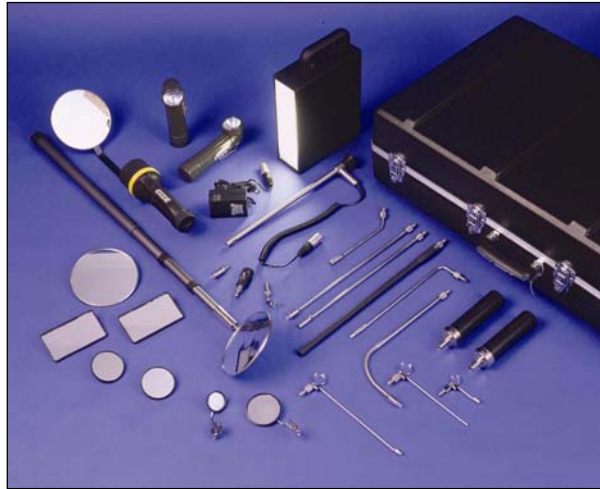


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IPS Comprehensive Search Kit
Nato Stock No 6665-99-395-8306

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1.0 General

The Comprehensive Search Kit provides a comprehensive visual search solution for security and inspection personnel. The kit contains an extensive range of light sources, mirrors and accessories which are housed in a portable foam lined fitted case.

2.0 Torches

There are two angled torches for general illumination and a larger torch to which a bracket has been attached. There is a selection of three different size stud mirrors that can be screwed onto this bracket therefore allowing viewing of inaccessible areas.

3.0 Telescopic Pole

The above mirrors can also be screwed to the telescopic pole therefore assisting viewing of inaccessible areas from a distance. Turning the plastic collar at the end of each section and then pulling out the next section can extend the pole. The sections can then be locked into position by turning the collar in the opposite direction.

4.0 Hand Lamp

The hand lamp is fitted with two fluorescent tubes and a rechargeable battery. The socket on the back serves as the charger input and also an auxiliary 12 volt output. The green rocker switch operates the fluorescent tubes whilst the red rocker switch activates the auxiliary output. This auxiliary output provides power for Endoscope illumination. The Kit is supplied with an appropriate charger.

4.1 Safety Warning

Only use the charger supplied with the kit

The equipment must not be operated when open or displaying signs of damage or misuse.

A suitably qualified person must carry out any servicing

4.2 Hand Lamp Specification

Fluorescent Lamp	2 X 6 Watt
Battery	2 x 6V 4Ah rechargeable lead acid gell cells
Battery Life	5 Hours with fluorescent lamp or endoscope
Recharging Cycle	16 Hours
Internal Fuse	7.5 amp 1 /4 Quick Acting (F) LBC

4.3 Standards

Electrical Safety	IEC 1010-1 Safety Requirements for electrical equipment for measuring, scientific, control and laboratory use.	
EMC	Emissions	EN55011 (Industrial, Scientific and Medical Equipment)
	Immunity	EN50082-1 (Generic Light Industrial and Domestic)

4.4 Fault Finding and Servicing Instructions.

In the event of lamp failure proceed to check the fuse. This is done by removing the four screws on the side of the case and removing the lid. The fuse is located inside the inline fuse holder.

In the event of lamp failure after the fuse has been changed proceed to replace the tubes. Remove the fuse and the plastic window and turn the tubes through 90 degrees and proceed to pull them from the tube holders.

4.5 Socket Connections

Pin 1	Positive charger input
Pin 2	Common
Pin 3	Positive auxiliary output.

5.0 Endoscope

The Endoscope allows illuminated vision through boreholes. The overall diameter is 12mm with a working length of 300mm and is illuminated by a powerful 10 watt halogen lamp

5.1 Power

Power for the Endoscope is supplied from the Hand Lamp and is operated by the red rocker switch.

5.2 Cleaning

Great care must be undertaken while cleaning the mirror on the end of the Endoscope due to its coated surface which is susceptible to scratching.

5.3 Bulb Replacement

Unscrew the end cap and replace bulb. Avoid contact with the glass envelope of the bulb as this can reduce its working life

5.4 Warning

The end of the Endoscope and bulb become very hot while in use. Please allow sufficient time for cooling before any attempt is made to touch them.

6.0 Light Probes

The Lamp holder, Magnifying Head and all Light Probes are switched on and powered by the Battery Holder. All these items can be screwed directly into the latter however an extended viewing length can be achieved by screwing the angled or straight extensions in first.

The Battery Holder requires two Alkaline C cell batteries.

The 38mm and 65mm mirror can be clipped to:

- (1) End of Lamp holder
- (2) Rigid MES Bulb Probe
- (3) Stayput Flexible Light Probe.

The 3mm Light Probes come complete with magnifying lenses.

The Bore Viewing Sleeves can be attached to the above by removing the lens, sliding the bore viewer sleeve over the light probe and then clipping into place. The lens can then be replaced through the bore viewer and into the light probe body

7.0 Recovery Magnet

This can be fitted to the Accessory Holder and then clipped to the MES Probes therefore enabling retrieval of small ferrous objects.

8.0 Perspex Probe- Cold Light Source

This is effective when searching areas that may have exposed electrical wiring or areas that contain heat sensitive material.

9.0 Parts List

SE009000	COMPREHENSIVE SEARCH KIT	Qty
CASESECURITY1	SKM CASE ONLY WITH CUT OUT	1
IE000100	ILLUMINATED MAGNIFIER HEAD WITH X8 LENS	1
IE000400	BATTERY HANDLE MEDIUM	2
IE000800	65MM ROUND ARTICULATED MIRROR	1
IE000900	38MM ROUND ARTICULATED MIRROR	1
IE001600	ACCESSORY HOLDER LARGE	1
IE001700	LAMP HOLDER AND BULB	1
IE001800	RECOVERY MAGNET ON ROLLER	1
IE002000	ANGLED EXTENTION FOR PROBES	1
IE002100	RIGID MES BULB PROBE 380MM LONG	1
IE002300	STRAIGHT EXTENTION FOR PROBES 380MM LG	1
IE002400	STAYPUT FLEXIBLE MES BULB LIGHT PROBE	1
IE002600	COLD LIGHT MES BULB LIGHT PROBE 380MM LG	1
IE003900	5MM BORE VIEWING SLEEVE 150MM LONG	1
IE004100	3MM DIAMETER LIGHT PROBE 50MM LONG	1
IE004300	3MM DIAMETER LIGHT PROBE 150MM LONG	1
IE004400	3MM DIAMETER LIGHT PROBE 200MM LONG	1
IE004600	10MM BORE VIEWING SLEEVE 50MM LONG	1
IE004900	10MM BORE VIEWING SLEEVE 200MM LONG	1
IE005000	BULB FOR 3MM PROBE (EXPOSED FILAMENT)	2
IE005400	7MM DIA CURVED LIGHT PROBE 250MM LONG	1
IE005800	BULB FOR MES PROBES	2
IE005900	BULB FOR 7MM PROBES	2
RS1576980	ENDOSCOPE BULB 12V 10W	1
SE000100	TIM TELESCOPIC INSPECTION ARM	1
SE000300	TOM RIGID TORCH ARM	1
SE000800	SMRP 65x115 RECTANGULAR STUD MIRROR	2
SE001000	SM140C 140mm DIA CONVEX STUD MIRROR	3
SE001400	SM65P 65MM DIA PLANO STUD MIRROR	2
SE002100	FLUORESCENT HAND LAMP 240V UK CHARGER	1
SE002203	ENDOSCOPE ONLY	1
SE002500	ANGLED TORCH	2
SE010501	SPARE BULB BOX	1