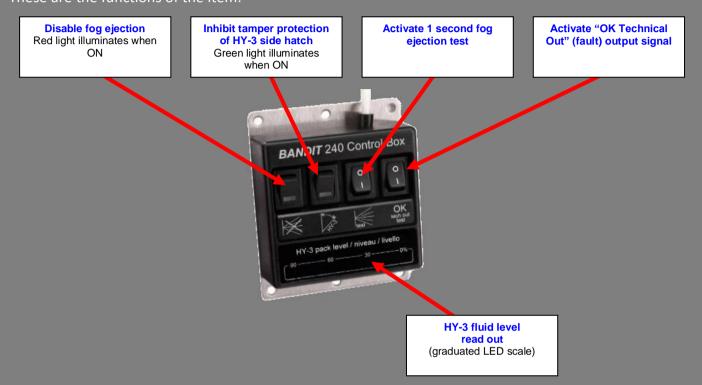# SERVICE & MAINTENANCE PROCEDURES
FOR THE BANDIT 240 DB SECURITY FOGGING UNIT

The *BANDIT 240 DB* range of security fogging systems are specifically designed to provide high reliability and simple, quick and minimal maintenance requirements. The *Control Box* installed with each *BANDIT* is a device which allows all main test activities to be carried out from a single location, remote from the *BANDIT*. These are the functions of the item:

Disable fog ejection
Red light illuminates when ON

Inhibit tamper protection of HY-3 side hatch
Green light illuminates when ON

Activate 1 second fog ejection test

Activate "OK Technical Out" (fault) output signal

HY-3 fluid level read out
(graduated LED scale)

Routine service consists of the procedures listed below.

The FOG BANDIT Recommended service schedule

Non- Warranty requirement *(Optional)*

Recommended ANNUALY if opportunity arises i.e. if already on site servicing intruder alarm. *(estimated time required 15 – 20 minutes)*

- Carry out a 1 second test fog ejection, by operating the appropriate button on the *Control Box*.

- Ensure there is sufficient remaining fluid in the *HY-3 Cylinder Pack*, by viewing the real-time LED indication, shown on the *Control Box*. If the level indicates less than ~25%, or it is in the red sector, the *HY-3 Cylinder Pack* should be replaced at the earliest opportunity in order to ensure maximum operational capacity.

- If the front cover appears to be very dusty then gently brush or vacuum the textile of the *BANDIT* to ensure adequate air circulation is maintained.

- Check all cable runs (particularly if rodents are believed to be present) including those to any peripheral devices connected directly to the Bandit i.e. dedicated PIR's, PA buttons and Warning Announcers.

Compulsory Warranty Requirements
Essential to maintain Manufacturers Product Warranty, Public Liability & Product Efficacy Insurances, and to comply with EN50131-8 Standards

1. **Battery Change - Every 2 Years**
   (estimated time required 25 – 30 minutes)

- Conduct the optional annual requirements listed above PLUS replace the ***BANDIT***'s internal rechargeable battery, which is located underneath the HY-3 Fluid Cylinder, in the Bandit's side compartment. Removal of the HY-3 Cylinder will be required to gain access to the battery.

- The Bandit's internal rechargeable battery is a standard 'alarm system' sealed lead-acid cell type, approx. dimensions 178mm x 60mm x 34mm (exact dimension vary slightly between manufacturers), and is 12 volts, 2.1 Ah rated.

- IMPORTANT! – Make sure that the battery terminal wires are connected the correct way round – failure to do so may result in component damage!

2. **HY3 Fog Fluid Cartridge Change - Every 4 Years (Required)**
   (estimated time required 30 – 35 minutes)

- In addition to the 'every 2 years' requirements above it is recommended that HY-3's are returned to the manufacturer for a service check every 4 years from the time they are first installed. Simply exchange the customers HY-3 with a freshly serviced and filled unit and return the original to Bandit UK. The customer is charged the standard refill cost of the cartridge + time on site.
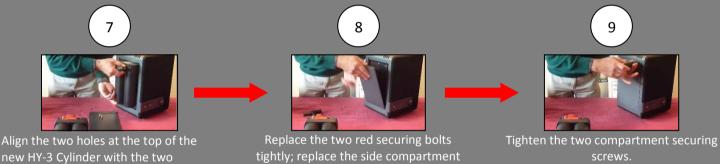
HOW TO REPLACE THE HY-3 FLUID CYLINDER FOR A BANDIT 240 DB SECURITY FOGGING UNIT

POINTS TO NOTE BEFORE YOU START:
- As long as your Fog Bandit is not 'set' (i.e., 'Guard' light on the front is not on) the HY-3 Fluid Cylinder can be replaced without the possibility of a fog ejection.

- The action of removing the side compartment cover will create a 'Tamper' signal, which may be detected by your intruder alarm system. If this occurs, simply re-set your intruder alarm system using your normal method once you have completed the cylinder exchange. If your Bandit is not alarm connected but stand alone, simply reset the FMU (Fault Module Unit) in the same manner. You will also hear an internal fan operate for a few seconds when the cover is opened and when subsequently closed again – this is perfectly normal and occurs due to the 'Tamper' notification being detected.

- In the following images, the Fog Bandit is shown disconnected from its mounting bracket so as to provide clear images of the process. You do not have to do anything to your Bandit other than remove the side panel so as to access the cylinder compartment and follow the instructions provided.

1

Locate the supplied "HY-3 GRIP TOOL". If unable to find this item, 2.5mm & 5.0mm Allen Keys may be used, together with an 8mm bolt to assist removal of the HY-3 Cylinder

2

Use the small 2.5mm Allen Key end to remove the two side compartment retaining screws. Remove cover and place to one side.

3

Use the larger 5mm Allen Key end to remove the two red bolts securing the HY-3 Cylinder

4

Insert the Grip Tool into the HY-3 Cylinder, by screwing the 8mm threaded rod section into the corresponding 8mm tapped hole located towards the top centre of the cylinder. This creates a convenient handle by which to remove the HY-3.

5

Using the attached Grip Tool, with a firm pull remove the HY-3 Cylinder.

6

Remove the Grip Tool from the used HY-3 Cylinder and insert it into the new one.

7

Align the two holes at the top of the new HY-3 Cylinder with the two horizontal locating rods, slide the Cylinder onto the rods and push fully home.

8

Replace the two red securing bolts tightly; replace the side compartment cover and insert the securing screws.

9

Tighten the two compartment securing screws.
DO NOT OVER-TIGHTEN!

YOUR HY-3 CYLINDER EXCHANGE IS SUCCESSFULLY COMPLETED!

3. **Testing – <u>Upon completion of each service procedure</u>**
   - Once all service checks have been completed, conclude your visit by carrying out a test of the Bandit, as follows:

   - Disable the Bandit's fog ejection by operating the 1st switch on the Control Box Service Aid.

   - 'Set' the Bandit by the normal means ('set' alarm panel, operate stand-alone Proximity Reader, etc.) – confirm that the red '**Guard**' light illuminates on the front of the Bandit.

   - Whilst still 'set', then 'activate' the Bandit by the normal means (moving in front of an intruder detector, sensor, etc.) – confirm that the red '**Alarm**' light also illuminates on the front of the Bandit, which indicates it has successfully 'activated' as expected.

   - 'Unset' your system by the normal means, switch off the 1st switch on the Control Box, and confirm that the Bandit then displays just the green '**OK**' light on the front, indicating that everything is back to normal 'standby' operation.

   - Carry out a '1 Second Fog Ejection Test' by momentarily operating the 3rd switch on the Control Box Service Aid.

FOR ASSISTANCE CALL OUR TECHNICAL HELP LINE – 07775 612514