

GRENADE 1 – THE L109 HE, L110 DRILL & L111 PRACTICE GRENADES

L109 HE Grenade

1-12 Characteristics. Explain:

- a. The L109 HE grenade is a high explosive fragmentation grenade used to incapacitate and stun the enemy and is capable of causing casualties. It is most effective at very close range and in confined spaces. The grenade can be used in all types of close quarter battle such as trench or bunker clearing, fighting in built up areas or wood clearing.
- b. The distance at which casualties can be caused depends upon the hardness of the ground and the protection of the target. An unprotected man will be incapacitated up to 20 metres from the point of burst, if the man is wearing body armour this is reduced to five metres. The delay from throwing to the grenade exploding is between three and four seconds. When a grenade is thrown, the thrower is to ensure that other members of the team are behind cover or lying down.

1-13 Description and Recognition. Explain: (see Fig 1-2) The grenade is issued as a complete unit. It consists of the following:

- a. A ball shaped body with a fuze assembly screwed into the top. **The grenade is issued primed.** No attempt is to be made to unscrew the fuze assembly. The exterior of the grenade is roughened to assist in holding particularly in wet weather.
- b. Inside the body of the grenade is an HE filling surrounded by an internally segmented body which assists break up on detonation.
- c. The grenade is deep bronze green in colour with a yellow band on the neck. Stencilled on the side is the legend 'GREN HAND HE', together with model, manufacturing and filling details.
- d. The fitted fuze assembly has a fly-off lever which is also coloured deep bronze green. The fuze assembly is protected by a plastic cover which is held in place by the safety pin. A matt black removable safety clip is fitted to the fuze assembly. The ring of the safety pin is clipped into a holder.

1-15 Safety Precautions. Explain and demonstrate, the squad imitating: When issued the grenade should be inspected and particular attention paid to the following:

- a. Inspect the grenade for any sign of damage which may affect safety or the operation of the grenade.
- b. Inspect the fuze assembly for damage and ensure that the safety pin is in place and secure. Ensure the ring on the safety pin is clipped into the holder and that the double portion of the ring is on top when it is clipped in. If it is not, position it there. Failure to do this can result in the ring coming loose when carried. The safety clip is in place and secured around the fly-off lever and the grenade neck. **THE POSITION OF THE SAFETY PIN REQUIRES NO ALTERATION FOR LEFT-HANDED THROWERS. ATTEMPTING TO ALTER IT IS DANGEROUS. CHANGING THE ANGLE OR SPLAY OF THE SAFETY PIN ENDS CONSTITUTES TAMPERING AND IS FORBIDDEN.**
- c. If the grenade appears damaged, place it to one side. The grenade is to be repacked, segregated from other ammunition, and returned to ATO for investigation/disposal.

The L111 Practice Grenade and L162 Practice Fuze

1-23 Characteristics. *Explain:*

- a. The practice grenade is a plastic covered, metal bodied grenade used in training. It is fitted with a re-usable fuze assembly and a renewable practice fuze. It is used in exactly the same way as the HE grenade. When thrown, the practice grenade gives a loud bang and a puff of smoke.
- b. The grenade may also be used for throwing practice without the renewable practice fuze.

1-24 Description and Recognition. *Explain:* (see Fig 1-3).

- a. The grenade consists of an inert plastic covered metal sphere the same shape and size as the HE grenade body. It is fitted with a removable fuze assembly. A renewable practice fuze is issued separately from the grenade.
- b. At the top of the grenade body is a threaded aperture into which the removable fuze assembly screws. The large aperture at the base of the grenade is to allow the practice fuze detonation gases to escape.

- c. The grenade body is light blue in colour. Embossed at the top is the legend 'Practice'. Stencilled on the side is the legend 'GREN HAND PRAC'. The fuze assembly body is grey in colour. The fly-off lever is orange. The fly-off lever is attached by a plastic strap to the re-usable fuze assembly. The ring on the safety pin is clipped over a stud on the fly-off lever.
- d. The base of the practice fuze body is brown in colour and is fitted with a silver washer. The top of the practice fuze is light blue.
- e. The grenade and re-usable fuze assembly together weigh the same as the HE grenade.