

Chapter 2

DROGUE GUN, TYPE 2

BAY SERVICING

Servicing notes

1. All components referred to in this schedule are to be examined for corrosion and rectification action taken as necessary.
2. Stripping and assembling of components detailed in this schedule may be done by an Armament Mechanic. Examination, gauging and repairs are to be done by an Armament Fitter.

Item No.	Item	Operation
1.	Safety precautions	Ensure that the drogue gun is unloaded.
2.	Drogue gun	
	(1) Barrel assembly	(1) Remove $\frac{1}{8}$ in. split pin. (2) Remove piston. (3) Examine for distortion and damage. Examine for wear and damage.
	(2) Cartridge retaining clip.	
	(3) Piston	(1). Examine for burrs and damage. (2) Ensure that piston moves freely in barrel. (3) Lightly lubricate with grease XG-275.
3.	Gun body	(1) Examine chamber for damage. (2) Examine striker hole for concentricity and damage. (3) Examine the body for damage. (4) Lightly lubricate with oil OM-13.
4.	Firing mechanism	
	(1) Time-delay mechanism	(1) Withdraw safety lock pin from safety lock. (2) Remove sear. (3) Remove the plug from the base of the gun and insert the cocking tool. (4) Insert the sear and push in the release plunger. (5) Pull down the firing pin to engage the gears and, whilst cocking, exercise the gears by moving the cocking tool back and forth against the spring tension with the intention of feeling for friction over the whole range of the gear train until the unit is fully cocked. (6) When cocked, repeat the exercising movement of the cocking tool to exercise the gears and ensure freedom to rotate in overrun from the fully cocked position. ► (7) Check mechanism for correct functioning.
		Note . . . <i>On operation, time-delay mechanism is to run for $\frac{1}{2}$ sec. \pm $\frac{1}{16}$ sec. before firing.</i>
	(2) Spring	(1) With mechanism in fired position apply spring balance to handle of cocking tool. (2) Spring should not move at less than 9 lb. Check protrusion of firing pin which should not be less than $\frac{3}{32}$ in.
	(3) Firing pin	
5.	Drogue gun	(1) Recock the mechanism. (2) Refit the plug to the base of the gun.
6.	Safety lock pin	(1) Examine for distortion and damage. (2) Examine printing on warning disc for legibility. (3) Ensure that warning disc is secured to safety lock pin. (4) Refit the safety lock pin in the safety lock of the drogue gun.
7.	Static line or rod	(1) Examine for distortion and damage. (2) Examine for security of attachment to sear.
8.	Drogue gun	(1) Refit piston to barrel using new $\frac{1}{8}$ in. split pin. (2) Refit barrel to body.
9.	Servicing Records and Form 3592	Sign for having completed this Servicing.

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