

BINOCULAR PRISMATIC N° 2 CDN

Periodic Inspection Standard

GENERAL

1. This instruction details the standard to be followed when binoculars are inspected at units during periodic inspection by RCEME personnel.

2. The result of the inspection will be recorded on CAFC 2367, Inspection Work Sheet, Instruments, in accordance with Instruments A 181 and Static Operations H 101.

EXAMINATION

(7458) 3. The general standard of workmanship, finish and serviceability will be assessed in accordance with Instruments A 181.

TESTS

4. To prove the serviceability of binoculars the following tests will be applied.

Focus

a. Using the telescope auxiliary, test by normal methods. The diopetre scale should read zero \pm 1.0 diopetre.

Parallax

b. Right hand ocular only. With the diopetre scale set as in (a) above, there should be no apparent movement between the image of a distant object and the reticle when the eye is moved across the eyepiece.

Definition

c. With the binocular correctly focussed on a well-defined distant object, the central portion of the field of view will be bright, sharply defined and free from aberration.

Interocular Scale Set

d. The reading of the interocular scale will agree with the exit pupil of the eyepieces; tolerance 1 mm approximately.

Verticality of Reticle

e. With the interocular scale set at 63 mm and the binocular supported on a horizontal base, the vertical reticle lines will appear sensibly vertical.

Verticality of Image

f. The image of a vertical reference object will appear reasonably vertical in each ocular.

Collimation

g. Any appreciable error in parallelism of axes discernable to a trained instrument technician, on visual examination, will be cause for rejection.

END

BINOCULARS PRISMATIC NO 2 CDN 2/5

Miscellaneous Instruction

SUMMARY

1. This instruction introduces a standard prism cluster jig for use when carrying out repairs to the prism cluster of the No 2 Binocular.

2. This jig can be demanded from RCOC, and is catalogued as:
4931-21-841-6502 Jig, Prism, Cluster No 2 Binocular.

REFERENCE

3. S-ND 5/910

END

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