

Priority D

BINOCULARS PRISMATIC No. 2

Modification Instruction

SUMMARY

1. This instruction details the addition of a spacer, when necessary, in the right eyepiece only, to prevent the eyepiece from fouling the graticule and holder when the eyepiece is rotated to its extreme position in the direction of minus dioptré setting. This will prevent dirt particules from being deposited on the graticule by the eyepiece.

2. Items affected

Binoculars, prismatic No. 2 CDN, Mk 2/5
Binoculars, prismatic No. 2 CDN, Mk 2/6
Binoculars, prismatic No. 2 CDN, Mk 2/7
Binoculars, prismatic No. 2 CDN, Mk 2/8
Binoculars, prismatic No. 2 CDN, Mk 2/9

3. Action required

By personnel concerned in 2nd to 4th line RCEME workshops - Priority D.

4. Stores required

Wire, brass hard B&S gauge 8-17 as required

(COC Section 2-G)

DETAIL

5. Manufacture, and insert spacer as required in accordance with Fig 1.

6. Wire selected should be of a gauge to just prevent the eyepiece from fouling the graticule and holder and still permit maximum travel in the direction of minus dioptré setting.

Priority D

HQ 103-S-14

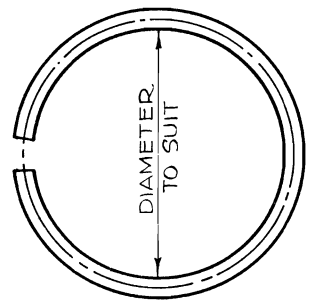
TD 270

CPSB 4827

END

Fig 1 Eyepiece with Spacer

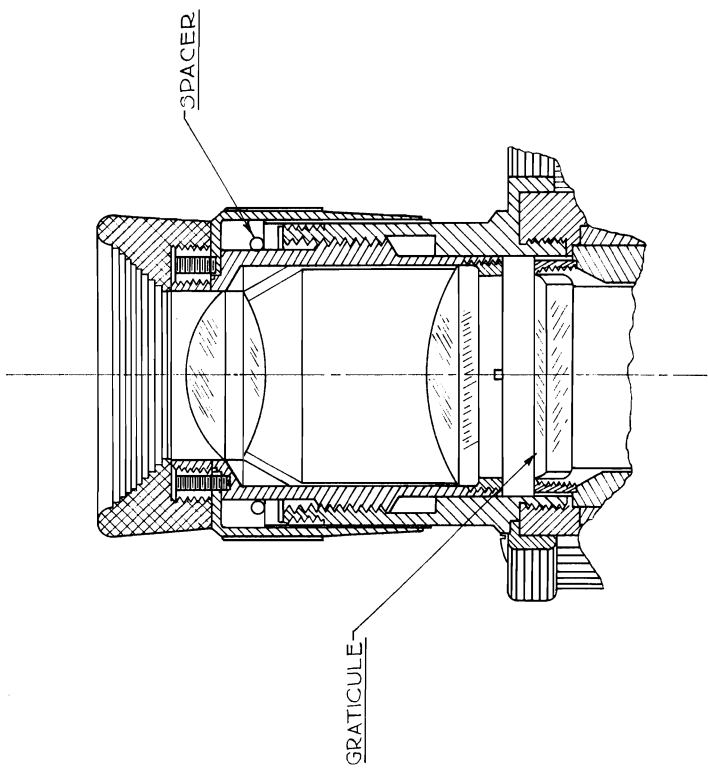
DEME 8325



• SPACER •

NORMAL GAUGE OF WIRE IS BETWEEN .045 INS. & .125 INS.

MAT : BRASS WIRE OF REQUIRED THICKNESS



• SECTION THROUGH EYEPiece •

Priority D

BINOCULARS, PRISMATIC, NO. 2

Modification Instruction

Supersedes Issue 1, dated 20 Jul 53.

SUMMARY

1. This instruction details the fixing of prisms in position with the use of synthetic rubber adhesive instead of by adjusting wires or staking.

2. Items affected

Binoculars, prismatic, No. 2 all marks

3. Action required - Priority D

(a) By units: submit CAFC 2149 to RCEME workshops.

(b) By RCEME: 2nd to 4th line workshops. Upon receiving CAFC 2149 carry out modification.

4. Stores required

<u>Designation</u>		<u>COC Section</u>
Adhesive, synthetic rubber	6-oz tube	1H 313529/1

5. Stores removed

Screw, adjusting prism		6V/CGB 3392
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Wire, prism adjustment		6V/CGB 3395
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To be discarded

DETAIL

6. This modification will be done on all binoculars where prism adjusting wires are used for securing the prisms. Binoculars in which the prisms are staked, will be modified when overhaul necessitates removal of the prisms.

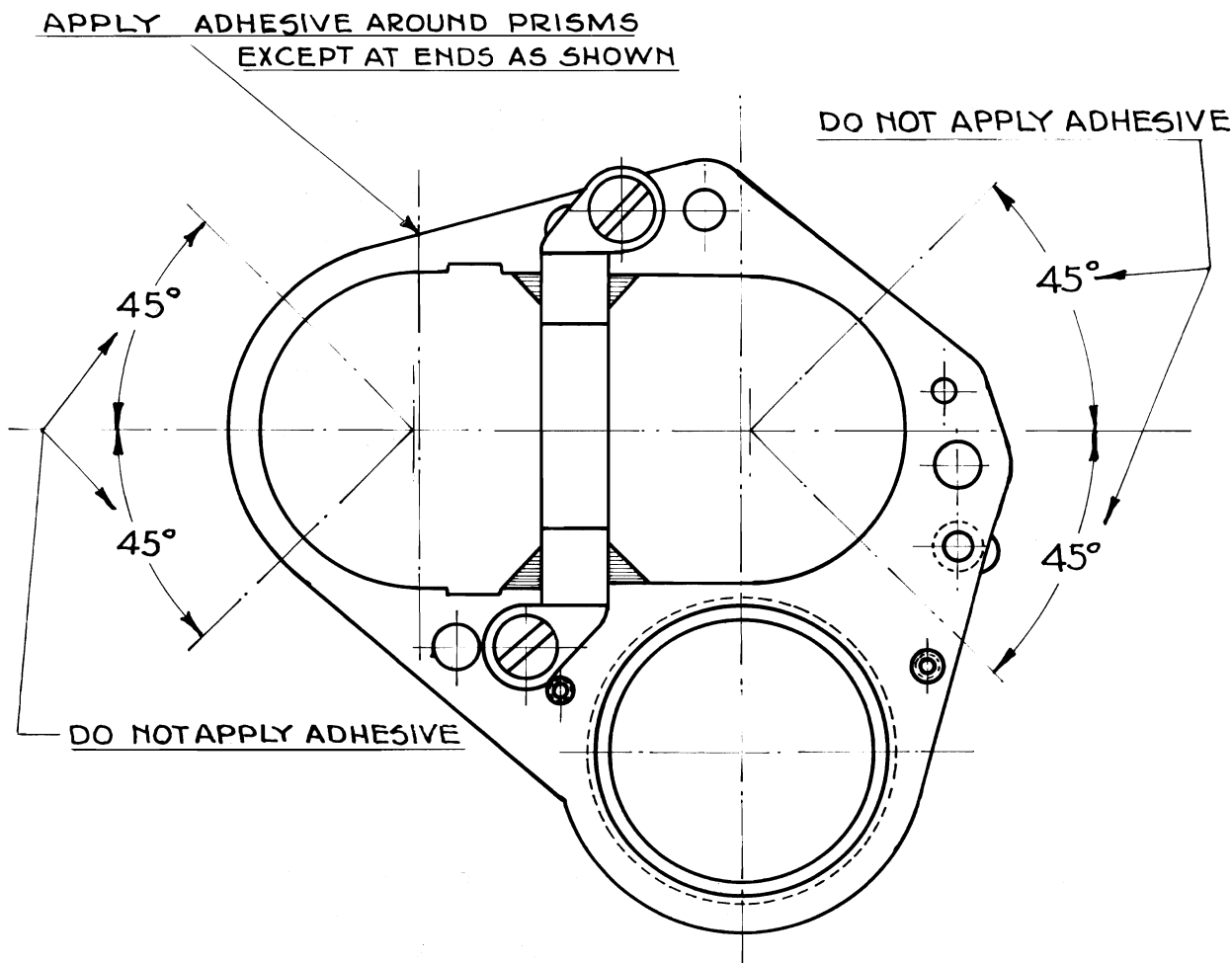
7. Remove prism adjusting screws and wires from the supporting plate. When staked prism assemblies are disassembled, care will be taken to remove sufficient metal at points of staking to ensure the correct seating of prisms on the supporting plate.

8. Install the prisms and supporting plate assembly in the binocular. Check for verticality of the field and that collimation can be made using normal methods. Adjust as necessary.
9. Remove the prism assembly and apply the adhesive between the long edges of the prisms and the seatings of the supporting plate to a point where the end radii begin as shown in Fig 1. Care will be taken that the adhesive does not reach the polished surfaces of the prisms and that the adhesive is not allowed to flow at either end.
10. Immediately after applying the adhesive, recheck for verticality of field. Any adjustments to correct verticality must be done within an hour of the application of the adhesive. Allow 24 hours for the adhesive to harden.
11. After assembly, carry out all tests and adjustments on the binocular.

HQ 6980-1

TD 5236

CPSB 5030



DEME 87337

Fig 1 - Prism assembly showing location of adhesive

END

BINOCULARS PRISMATIC NO. 2

Modification Instruction

SUMMARY

1. This instruction details the replacement of the older pattern graticules with the USA pattern mil scale graticule FZ 143 in Binoculars prismatic No. 2.

2. Items affected

All binoculars listed in the left hand column of Table 1.

3. Action required

By RCEME: By personnel concerned in 2nd to 4th line workshops. To be carried out when the binoculars are received at workshop for repair - Priority D.

4. Stores required

COC Section 6V

Graticule mil scale FZ 143

5. Stores removed

COC Section 6V

Graticule mil scale FZ 22

OR

Diaphragm CGB 4172

To be discarded.

DETAIL

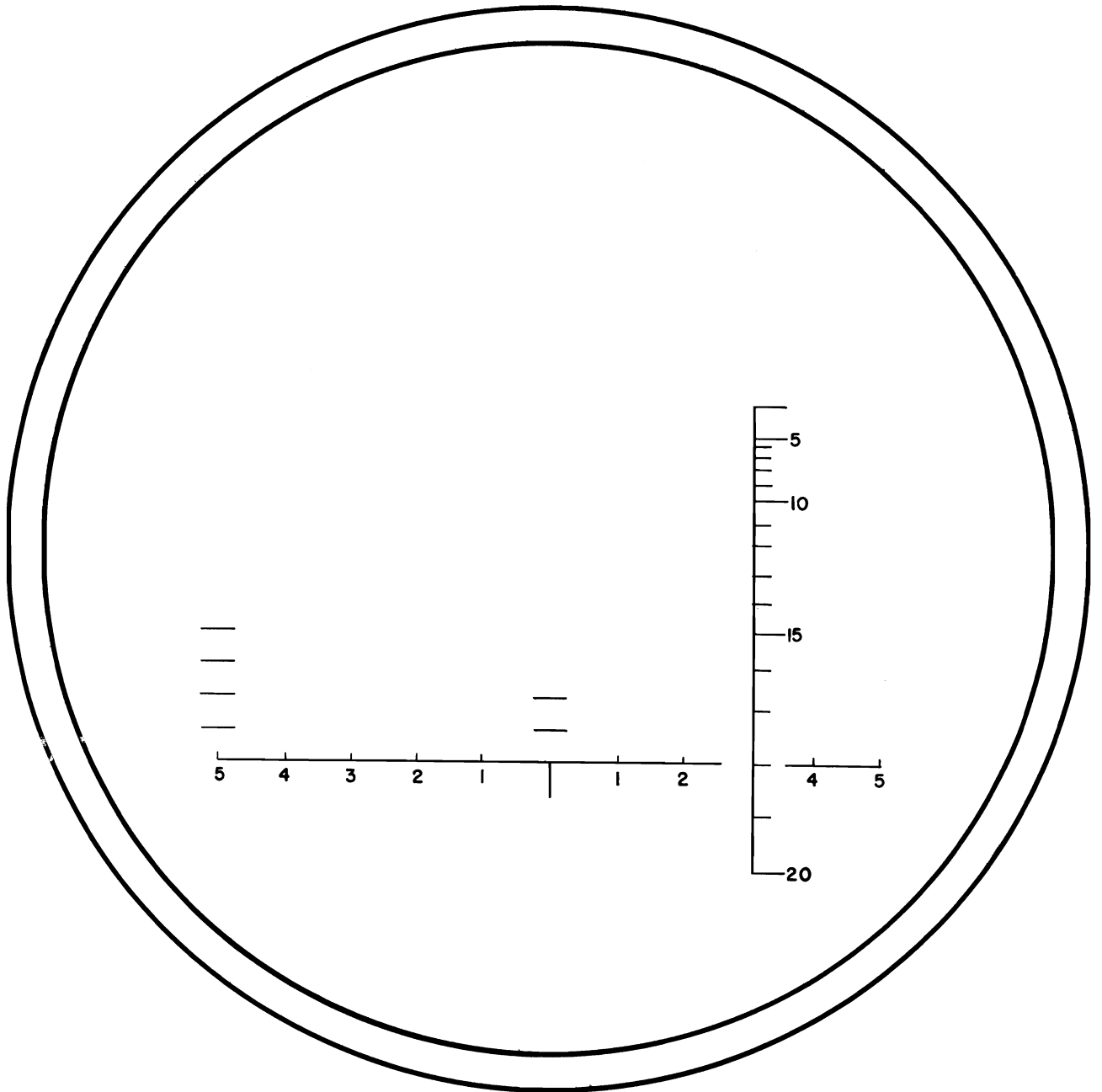
6. Remove the old pattern graticule and install graticule FZ 143 (Fig 1) with the etched surface toward the field lens of the eyepiece.

7. Remove the existing nomenclature and/or part number, with the exception of the registered number, from the body covers of the binocular and engrave the left cover plate with the applicable designation as listed in the right hand column of Table 1. The engraving shall be 3/32-in high and positioned on the cover plate in the manner shown at Fig 2.

8. After assembly carry out normal tests and adjustments on the binocular.

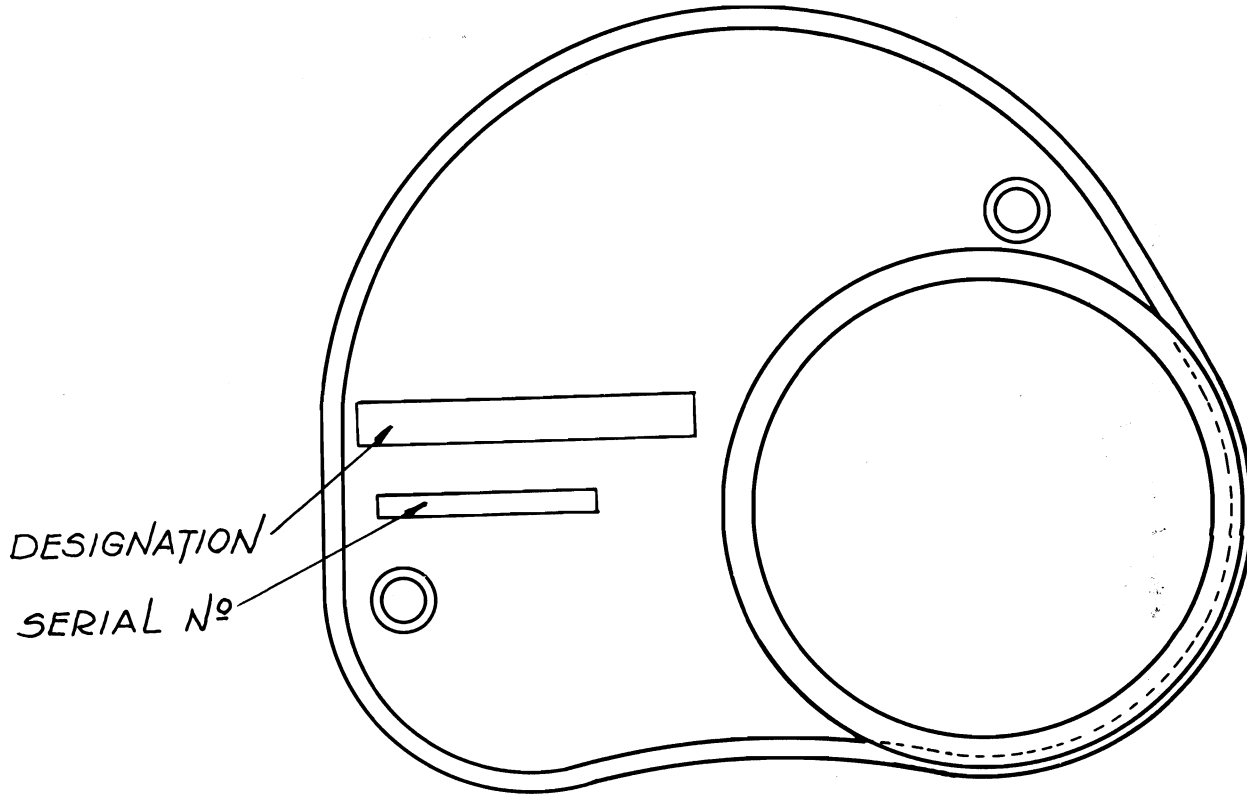
TABLE 1

Designation	
Before Modification	After Modification
No. 2 CDN Mk 2/5	No. 2 CDN Mk 2/5
No. 2 CDN Mk 2/6	No. 2 CDN Mk 2/6
No. 2 CDN Mk 2/7	No. 2 CDN Mk 2/7
No. 2 CDN Mk 2/8	No. 2 CDN Mk 2/8
No. 2 CDN Mk 2/9	No. 2 CDN Mk 2/9
C No. 2 Mk 1A and 2A	No. 2 CDN Mk 2/5
C No. 2 Mk 2A (REL with integral eyepiece)	No. 2 CDN Mk 2/9
C No. 2 Mk 2C (REL with separate eyepiece)	No. 2 CDN Mk 2/5
C No. 2 Mk 2E (UC with integral eyepiece)	No. 2 CDN Mk 2/6
No. 2 Mk 2 (UC with separate eyepiece)	No. 2 CDN Mk 2/8
No. 2 Mk 2 (UC with integral eyepiece)	No. 2 CDN Mk 2/6
No. 2 Mk 2 (B and L)	No. 2 CDN Mk 2/7



DEME B87580

Fig 1 - Graticule FZ 143



HQ 103-S-14 TD 323

CP SB 5134

DEME B87581

Fig 2 - Left Cover Plate Showing Position of Engraving

END

Priority D

BINOCULARS, PRISMATIC, NO. 2

Modification Instruction

SUMMARY

1. This instruction details the fitting of vinylite washers to the hinge assembly of the binoculars to provide a smoother hinge movement.

2. Items affected

Hinge assembly.

3. Action required - Priority D

(a) By units: Submit CAFC 2149 to RCEME workshops.

(b) By RCEME: 2nd to 4th line workshops. Upon receiving CAFC 2149, carry out modification.

4. Stores required

Washer, upper hinge, vinylite (set of 3) 6V/CGB 3382

Washer, lower hinge, vinylite (set of 3) 6V/CGB 3380

DETAIL

5. Disassemble the binocular hinge taking care to prevent burring, bruising, or distorting the hinge spindle and bearing surfaces of the hinge pillars. Separate the two bodies of the binocular and remove the brass washers from the upper and lower hinge pillars.

6. Thoroughly clean the brass washers, hinge spindle and bearing surfaces of the hinge to remove old lubricants, corrosion, or other foreign material. Examine for damage and wear; remove burrs by means of a fine oil stone. Apply a light coat of lubricating grease to the bearing surfaces of the spindle and the hinge pillars.

7. Reassemble the hinge, inserting one vinylite washer between two existing brass washers of suitable thickness at the upper and lower hinge pillars. Washers with the larger diameter holes must be placed between the hinge pillars nearest the interocular scale.

8. After assembly, test the binocular for parallelism of axes.

END

(5798)

HQ 6980-1 TD 6018