

Priority D

BINOCULARS, PRISMATIC NO. 5

Modification Instruction

Supersedes Issue 1 dated 8 Dec 44

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 6V/CGB 4610

Washer, lower hinge, vinylite 6V/CGB 4611

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 the 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. On binoculars of Optical and Film Supply Ltd manufacture, it may be found that there is insufficient space for both the vinylite and the brass washers. In this case the vinylite washer only will be fitted. When fitting the vinylite washer it may be necessary to reduce the outside diameter slightly to provide clearance at the shoulders of the hinge pillars.

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

END

HQ 6001 - Binoculars/5

TD 5007

CPSB 1090

Priority D

BINOCULARS, PRISMATIC NO. 5

Modification Instruction

Supersedes Issue 1, dated 20 July 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. 5 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 3412
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Wire, prism adjustment		6V/CGB 3415
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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.

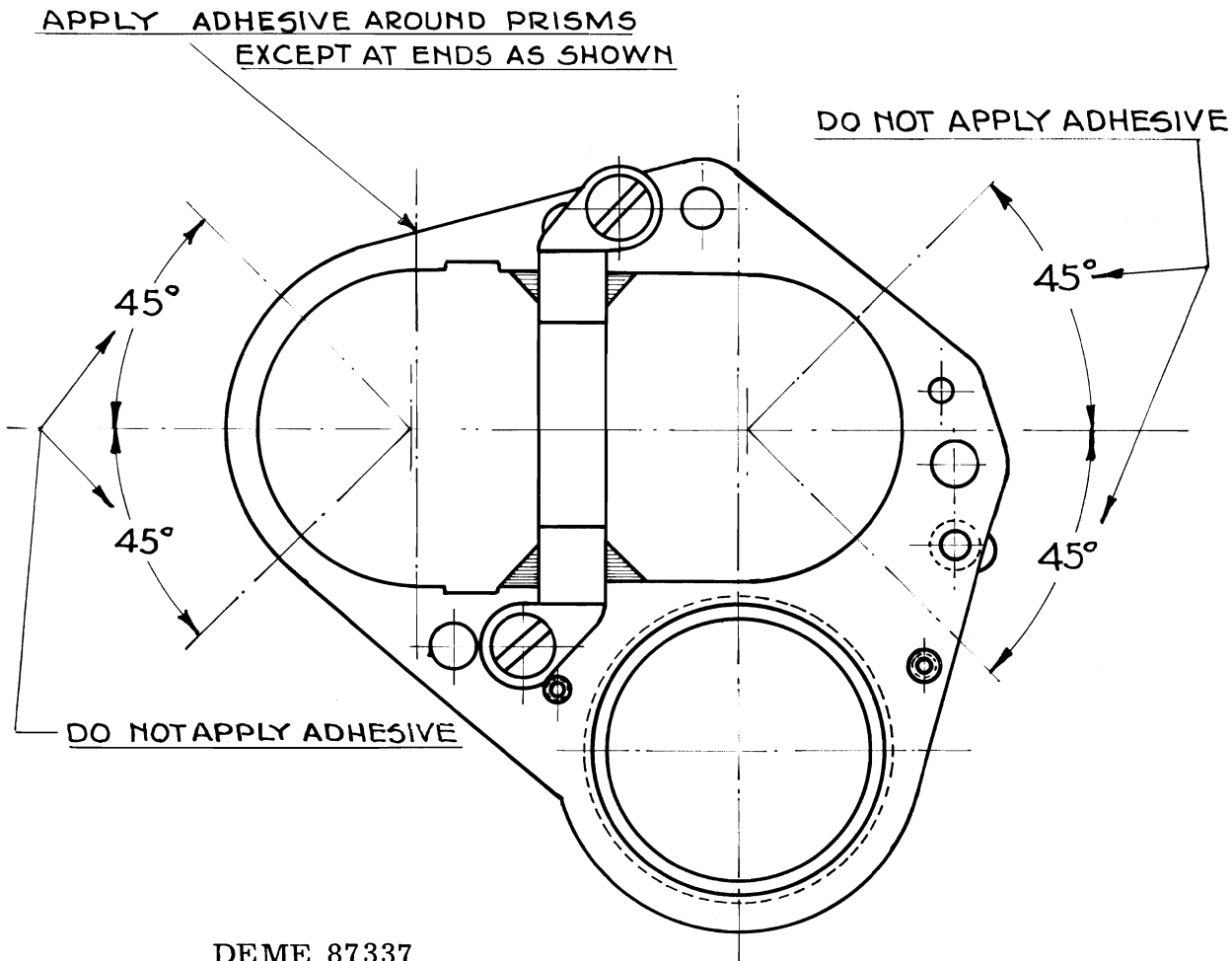


Fig 1 - Prism assembly showing location of adhesive

END

HQ 6001-Binoculars/5

TD 5245

CP SB 5029

Priority D

BINOCULARS, PRISMATIC NO. 5

Modification Instruction

SUMMARY

1. This instruction details the replacement of the older pattern graticule with the USA pattern mil scale graticule FZ 142 in Binoculars prismatic No. 5.

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 142
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5. Stores removed

Graticule, mil scale	FZ 7
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To be discarded.

DETAIL

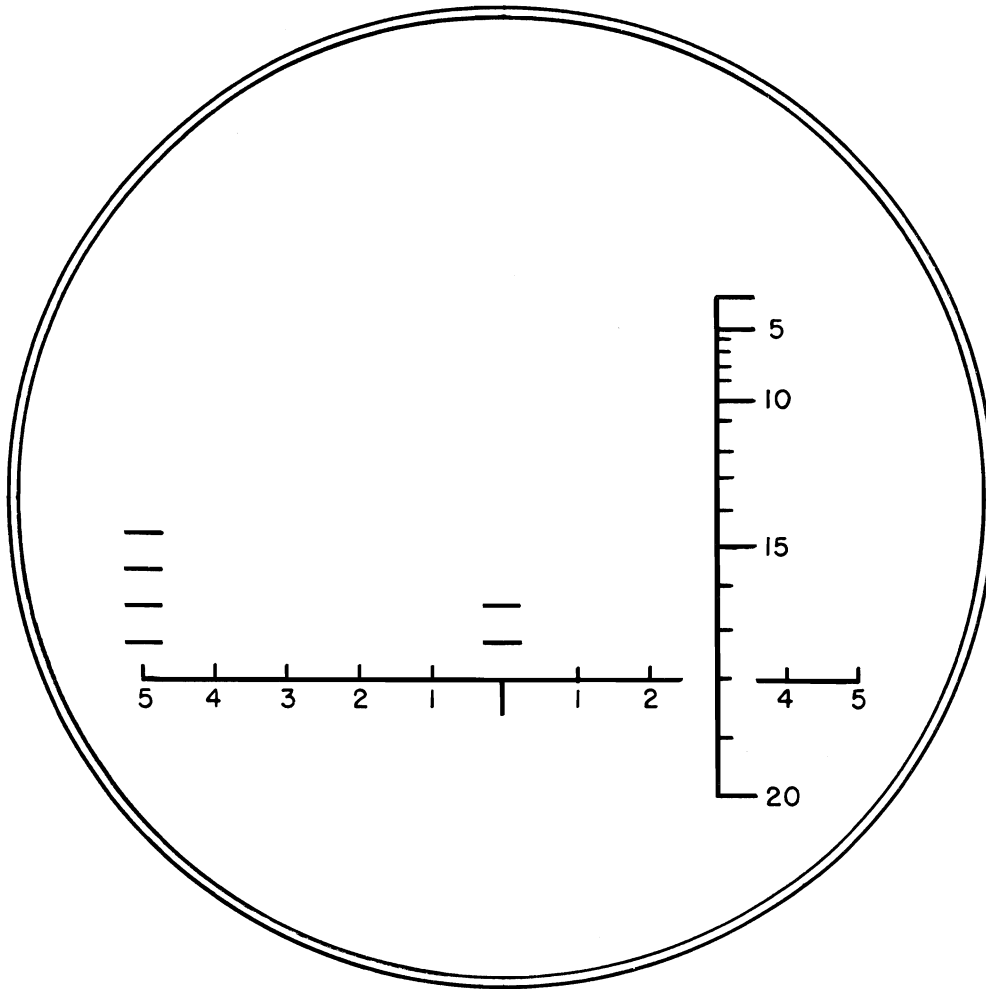
6. Remove the old pattern graticule and install graticule FZ 142 (Fig 1) with the etched surface toward the field lens of the eyepiece.

7. Remove the existing nomenclature and 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 will be 7/64-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

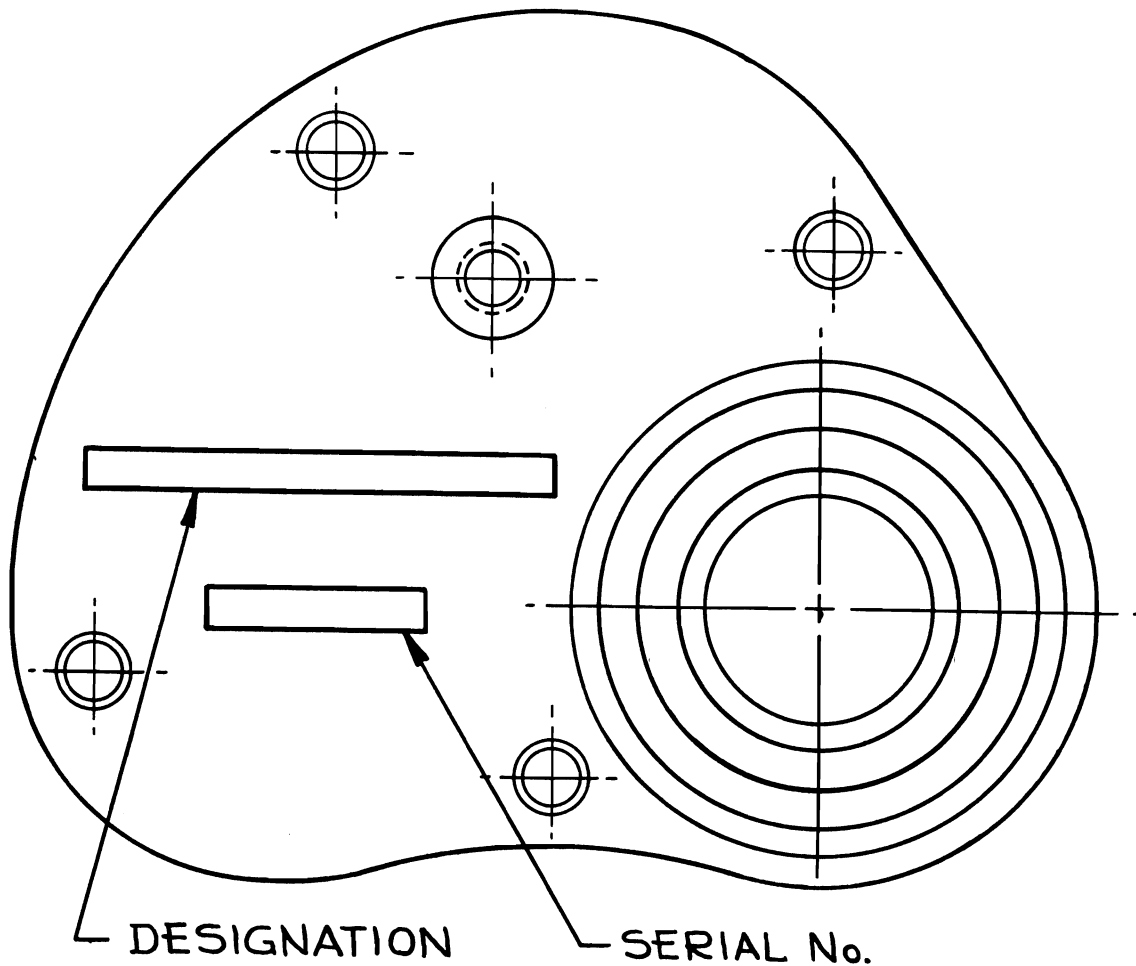
Designation	
Before modification	After modification
No. 5 CDN Mk 2/4	No. 5 CDN Mk 2/4
No. 5 CDN Mk 2/5	No. 5 CDN Mk 2/5
No. 5 CDN Mk 2/6	No. 5 CDN Mk 2/6
No. 5 CDN Mk 2/7	No. 5 CDN Mk 2/7



DEME 87663

Fig 1 - Graticule FZ 142

TD 5292 CPSB 5472



DEME 87662

Fig 2 - Left cover plate showing position of engraving

END

HQ 6001 - Binoculars/5