



WS No. 19 Mark III

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RECORDING OF MODIFICATIONS OF TELECOMMUNICATION
EQUIPMENTS

Note: This issue supersedes Issue 1, which has been amended throughout.

1. (a) A.C.I. 569/1945 details the existing procedure for the recording of modifications of wireless equipment. This procedure utilizes A.F.W.4019 on which is recorded:-

- (i) The modification instruction store reference (T/X/Y/Z).
- (ii) The date on which the modification is performed.
- (iii) The initials of the person who carried out the modification.

This system was to be modified by the introduction of a metal plaque which possessed a series of numbers. When the modification was carried out, it was intended that the number corresponding to the modification instruction stores reference (i.e., Z above) would be painted out.

(b) The procedure for radar equipments is to record all modifications in the History Book A.B.20A.

2. The above procedures had the following disadvantages:-

- (a) The complete range of numbers was not utilized.
- (b) It did not lend itself to the recording of modifications on an individual assembly basis.
- (c) It did not assist personnel to correlate the recordings on the card or A.B.20A and the modification concerned.

3. In consequence, the above procedures will not be continued on telecommunication equipments at present in production or under development. On these items the procedure detailed below, which has been notified in A.C.I. 513 of 1947, will apply.

4. Modification record plaques as shown in Fig. 1 will be fixed both to major assemblies and duplicated on the outside of packing cases.

MOD RECORD ASSEMBLY CAT. NO.				
1	6	11	16	21
2	7	12	17	22
3	8	13	18	23
4	9	14	19	24
5	10	15	20	25
YA.8196 @				

@ 8196, 8197 or 8198.

Fig. 1

TELECOMMUNICATIONS
A 851

RESTRICTED

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATION

YA. 8196	Plates, modification, record,	$3\frac{1}{2}$ in. x $2\frac{1}{4}$ in.
YA. 8197	Plates, modification, record,	$1\frac{5}{8}$ in. x 1 in.
YA. 8198	Pasters, modification, record,	$3\frac{1}{2}$ in. x $2\frac{1}{4}$ in.

The modification record plaque details the assembly catalogue number and a series of record numbers 1 - 25.

5. The number to be used for recording purposes will be detailed in the modification instruction as follows:-

"This modification has been allotted the modification record reference:-

Equipment/Assembly Catalogue Number /X".

where X is the modification record number.

(e.g., If the equipment is Radar, A.A., No. 3, Mk. 7 and the modification relates to the modulator unit, the modification record reference would be:-

A.A. No. 3, Mk. 7/ZC.25836/2 (where 2 is the modification record number for this particular modification which relates to this assembly and is therefore the second modification to be carried out on this assembly)).

6. When a modification is applicable to the assembly as soon as it is carried out, the modification record number will be struck off by using an oblique stroke (e.g., Z).

7. If the modification is not to be carried out on the assembly (e.g., if the modification is limited to certain serial numbers, or if it does not apply retrospectively, etc), the modification record number will be struck off by using a cross (e.g., X).

8. In addition to quoting the modification record number, the modification instruction will detail a summary of modifications to date as they apply to that assembly (see Table 1).

Modification record No.	E.M.E.R. Tels. Mod. Inst. No:-	Stores reference	Priority group No:	Remarks
1	3	T/XY/MN/4	A	All assemblies
2	1	T/XY/MN/3	B	All assemblies
3	4	T/XY/MN/1	A	All assemblies after serial No. 50. Not retrospective.
4	6	T/XY/MN/5	A	Only on General Staff authority.
5	7	T/XY/MN/6	B	All assemblies

Table 1

9. In order that all major modifications are recorded it will be necessary to publish modification instructions detailing those modifications which have been carried out on certain assemblies during production, and which are not introduced

retrospectively. These instructions will give the brief details of the modification and also the modification record number.

10. On the modulator unit assembly mentioned in para. 5 on which certain modifications have been performed, the plaque should now appear as follows:-

MOD. RECORD ASSEMBLY CAT. NO. ZC 25836				
1	6	11	16	21
2	7	12	17	22
3	8	13	18	23
4	9	14	19	24
5	10	15	20	25
YA 8196 @				

@ 8196, 8197 or 8198.

Fig. 2

and the most recent modification instruction should detail a table as follows:-

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Mod. record No.	E.M.E.R. Tels. Mod. Instr. No.	Stores reference	Priority group No.	Remarks
1	3	T/XY/MN/4	A	All assemblies
2	1	T/XY/MN/3	B	All assemblies
3	4	T/XY/MN/1	A	All assemblies after Serial No. 50
4	6	T/XY/MN/5	A	Not retrospective Only en authority of General Staff
5	7	T/XY/MN/6	B	All assemblies

Table 2

11. Due to the physical limitations of certain equipments it may not be possible to fit the modification record plaque, although the number of cases concerned will be small. In such cases the block of 1-25 numbers will be marked on the chassis or some such accessible place, either by stamping, by transfer, or by anodizing. In such cases the same procedure will apply.

12. The above instructions will also apply to the modification record plates on the packing case since each modification record plate inside the case will be duplicated on the outside.

57/Maintenance/2770(M.E.8).

END

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