

AIR PUBLICATION  
**116B-0301-601**

(Formerly Part of A.P. 116B-0301-6)

**ARI. 18120 SERIES  
AND SRI. 18120/7**

**U.H.F. HOMING INSTALLATIONS**

**GENERAL INFORMATION AND  
TEST EQUIPMENT**

**REPAIR AND RECONDITIONING INSTRUCTIONS**

**BY COMMAND OF THE DEFENCE COUNCIL**

*J. Dunnett*  

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(Ministry of Defence)

**FOR USE IN THE  
ROYAL NAVY  
ROYAL AIR FORCE**

(Prepared by the Ministry of Technology)

~~Issued~~ Oct 70

Prelims  
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## PREFACE

This publication replaces the former A.P.2531L, Volume 6. The technical content of that publication will be superseded by corresponding current information which will be published in this series. The appearance of this publication series must not be taken as an indication that the existing edition is to be disposed of. When the issue of a publications unit or a chapter to a publications unit renders existing information out of date or unnecessary, an appropriate amendment instruction will be issued for the former book.

It is important to note that the layout of this publication series differs considerably from the former edition and access to information on a particular subject will be facilitated by reference to the list of publications in the series which immediately precedes the list of contents.

Third line servicing techniques of the ARI.18120 series have been developed to the extent that in many cases special test equipment is available so that after repair a particular module or sub-assembly may be tested to verify its serviceability without recourse to any other module or sub-assembly of the installation. In this publication series, a separate publication unit will be issued for each such module or sub-assembly. This will obviate the necessity to provide the technician with information which he does not require to perform a particular task.

The subject matter of this publication series may be affected by Defence Council instructions, R.A.F. master worksheets or the general orders and modifications contained in A.P.116B-0301-2, in the associated publications listed below, or even in some others. Where possible, amendment lists will be issued to correct this publication series accordingly, but it will not always be practicable to do so. When an instruction, master worksheet or leaflet contradicts any part of this publication series, the instruction, master worksheet or leaflet is to be taken as the overriding authority.

The inclusion of reference to items of test equipment does not constitute authority for demanding the items.

Each page of this publication series bears the date of issue and, where applicable, the number of the amendment list with which it was issued. New or amended technical matter on new leaves which are inserted when any of the publication units are amended will be indicated by a vertical line in the margin. This line merely denotes a change and is not a mark of emphasis. When a publication unit or a chapter of a publication unit is issued in a completely revised form, the line will not appear.

LIST OF ASSOCIATED PUBLICATIONS

	Air publication
U.H.F. homing installations (ARI.18120/series and SRI.18120/7)	
General and technical information ... ..	116B-0301-1
General orders and modifications ... ..	116B-0301-2
Equipment schedules and scales ... ..	116B-0301-3ACD
Bay servicing schedule (RAF) ... ..	2531L, Vol. 4 Part 6
Bay servicing schedule (RN) ... ..	116B-0301-5F(N)
ARI.18124 series and ARI.23182 u.h.f. transmitter-receiver (ARC52) ... ..	116D-0105-1 (2nd Edn.)
ARI.23143 u.h.f./v.h.f. transmitter-receiver (Plessey PTR175) ... ..	116D-0116-1
ARI.23141 transmitter-receivers Type TR11672 and PTR177	116D-0134-1
ARI.23199 u.h.f./v.h.f. transmitter-receiver PTR374 ...	116D-0129-1

The third line servicing instructions for the main units, modules etc. of the homing installation ARI.18120 are contained in the following publication units:

	Air publication
Chassis assembly Type 11677 ... ..	116B-0301-602
Amplifying unit (A.F.) Type 11678 ... ..	116B-0301-603
Relay unit Type 11679 ... ..	116B-0301-604
Chassis assembly Type 11680 ... ..	116B-0301-605

Air publication

Amplifying unit (R.F.) Type 11681	...	...	...	...	116B-0301-606
Tuning unit Type 11683	...	...	...	...	116B-0301-607
Junction box Type 9636	...	...	...	...	116B-0301-608
Overall testing of the installation	...	...	...	...	116B-0301-609

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