

OPERATOR'S MANUAL
MEDIUM GIRDER BRIDGE

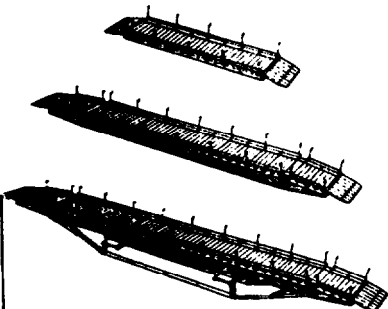


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This copy is a reprint which
includes current pages from
Change 1.

INCLUDING
BRIDGE SET

NSN 5420-00-172-3520

BRIDGE ERECTION SET

NSN 5420-00-172-3519

LINK REINFORCEMENT SET

NSN 5420-01-139-1503

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*This manual supersedes TM 5-5420-212-12, dated 18 April
1985, including all changes

HEADQUARTERS, DEPARTMENT OF THE
ARMY AND HEADQUARTERS U.S. MARINE
CORPS

29 JANUARY 1993

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798.

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HOW TO USE THIS MANUAL.

The information in this manual is for the experienced MGB user. Component size, weight and quantities per set details are found in equipment data (Chapter 1), which is in alphabetical order for easy reference. The bridge tables (Chapter 2) are in two categories, build and boom (for assembly) and delaunch (for disassembly).

Once the type of bridge, bridge length and type of site have been determined, use the table of contents to find the appropriate table. Each table is presented so that the user reads vertically downwards under the bridge length column. In most cases the table is complete on facing pages for ease of use. In the tables, boom and launch are defined as

boom - moving the bridge to the RRB

launch -moving the bridge to the FRB (or CRB)

Abbreviations used in this manual are defined in TM 5-5420-212-10-1 Operator's Manual.

CHAPTER 1

INTRODUCTION

1-1 SCOPE

This manual is for use by the experienced user during the assembly and disassembly of MGB. The equipment data (Chapter 1) provides useful component information. The bridge table (Chapter 2) are a summary of the stop by step procedures. It is important that the user is fully experienced and familiar with the standard drills and detailed procedures in Operator's Manual TM 5-5420-212-10-1. Do not attempt to use the tables until the standard drills and step by step procedures have been practiced a number of times.

Adjustable Support

Length 5 ft 5 in
(1.65 m)
Width 7 in (0.16 m)
Height 3 ft 8 in
(1.12 m)
weight 143 lb (65 kg)
Carried by 2 personnel
No. in set 6 (erection)
2 (link)

Anchor Assembly (AA)

Length 10 ft 9-1/2 in
(3.29 m)
Width 2 ft 3-5/8 in
(0.70 m)
Height 11-3/16 in
(0.28 m)
Weight 362 lb (164 kg)
Carried by 4 personnel
No. in set 5 (link)

Anchorage Pin Assembly

Length 2 ft 9-7/8 in
(0.88 m)
Diameter 1-3/4 in
(0.04 m)
Weight 26 lb (11.8 kg)
Carried by 1 person
No. in set 10 (link)

Anti-Flutter Tackle (AF)

Length 9 ft 10 in
(3.00 m)
Weight 4.4 lb (2 kg)
Carried by 1 person
No. in set 5 (link)

Bankseat Beam (BSB)

Length 13 ft 3-1/2 in
(4.06 m) overall
Width 1 ft 6 in
(0.48 m) overall
Height 1 ft 9-3/8 in
(0.54 m) overall
Weight 570 lb (256 kg)
Carried by 6 personnel
No. in set 7 (bridge)

Baseplate (Single Story)

Length 2 ft 3/8 in
(0.62 m)
Width 1 ft 5-1/4 in
(0.44 m)
Height 7-3/4 in
(0.20 m)
weight 32 lb (14.5 kg)
Carried by 1 person
No. in set 7 (erection)
4 (link)