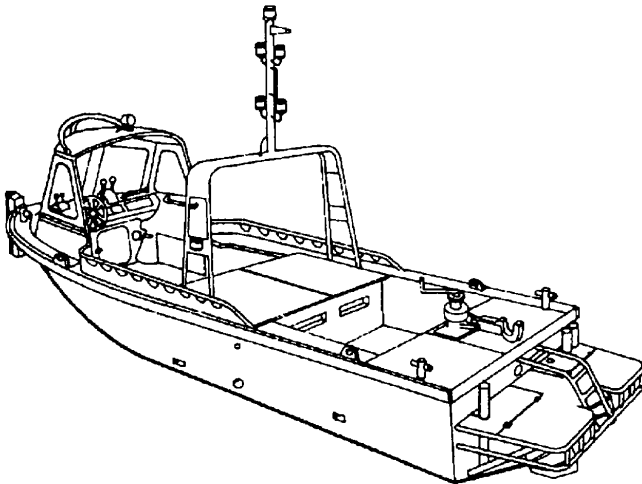

OPERATOR'S MANUAL



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

**BOAT, BRIDGE ERECTION,
TWIN JET, ALUMINUM HULL
MODEL USCSBMK 1
(1940-01-105-5728)
MODEL USCSBMK 2
(1940-01-218-9165)**

Distribution Statement A: Approved for public release; distribution is unlimited

This manual supersedes TM 5-1940-277-10, Dated 16 December 1981

TECHNICAL MANUAL
TM 5-1940-277-10
TM 1940-10/1

HEADQUARTERS DEPARTMENT OF THE ARMY
HEADQUARTERS. U.S. MARINE CORPS
WASHINGTON D.C., 15 September 1993

Operator's Manual
BOAT, BRIDGE ERECTION,
TWIN JET, ALUMINUM HULL,
MODELS USCSBMK 1 (1940-01-105-5728) AND
USCSBMK 2 (1940-01-218-9165)

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 the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, Headquarters, U. S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Boulevard, St. Louis MO 63120-1798. A reply will be furnished you.

Marine Corps users shall submit NAVMC Form 10772, Recommended Changes to Technical Publications. Send to: Commanding General, Marine Corps Logistics Base (Code 850), Albany, GA 31704-5000.

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* This manual supersedes TM 5-1940-277-10, dated 16 December 1981

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

- a. Type of Manual: Operator's Manual.
- b. Model Number and Equipment Name: Bridge Erection Boat. Twin Jet, Aluminum Hull. The model numbers assigned to this equipment are USCSBMK1 and USCSBMK2.
- c. Purpose of Equipment: Support bridging an amphibious operations. May also be used as general purpose workboat in support of diving operations and maritime projects, for inland water patrols. and as a safety boat for amphibious river crossings.

WARNING

The boat is only to be used for towing when the quick-disconnect towing hook is installed and operational.

- d. Special Limitations on Equipment: When used to ferry troops or cargo, the safe carrying capacity is limited to a maximum of 12 fully equipped troops, plus three crew members or 4400 pounds (2000 kilograms) plus three crew members. When the boat is used for towing, the towing capacity is 4,000 pounds (2000 kilograms), plus three crew members.
- e. Special Inclusions in Manual: This manual contains instructions for bridging and rafting.

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS). Marine Corps personnel will prepare and maintain records and report forms as prescribed by TM 4700-15/1, Equipment Record Procedures.

1-3. HAND RECEIPT (-HR) MANUALS. This manual has a companion document with a TM number followed by "-HR" (which stands for Hand Receipt). The TM 5-1940-277-10-HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i. e. . COEIL, BII, and AAL) you must account for. As an aid to property accountability, additional -HR manuals may be requisitioned from the following source in accordance with procedures in Chapter 3, AR 310-2:

U. S. Army Adjutant General Publications Center
2800 Eastern Blvd.
Baltimore, MD 21220-2896

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS. If your boat needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, Headquarters, U. S. Army Aviation and Troop Command, ATTN: AMSAT-I-MDO, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. U. S. Marine Corps users are encouraged to submit EIRs in accordance with MCO 1650. 17. or submit Quality Deficiency Reports in accordance with MCO 4855. 10. Mail it to us at Commanding General (P840), Marine Corps Logistics Base, Albany, GA 31704-5000. We'll send you a reply.

1-5. WARRANTY INFORMATION. The Bridge Erection Boat, USCSBMK1, is warranted by Fairey Allday Marine Limited for 12 months. The Bridge Erection Boat USCSBMK2 is warranted by American Development Corporation for 12 months. The warranty starts on the date found in block 23 of DA Form 2408-9 in the logbook. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your organizational maintenance supervisor.

1-6. GLOSSARY

Berth	Place at dock where boat is tied up or anchored.
Capstan	Manually rotated vertical cylinder for winding rope or cable.
Hydrojet	Propelling system that uses water.
MK1 (USCSBMK1)	Combat Support Boat, Mark 1. Original model of Bridge Erection Boat.
MK2 (USCSBMK2)	Combat Support Boat, Mark 2. Modified model of Bridge Erection Boat.
Raw water	River water.
Rub rail	Rubber bumper strip around boat hull.
Scoop	Movable metal cover that directs water stream that comes from hydrojets.
Thermostarter	Glow plug used to preheat intake air for cold starting.
Vdc	Volts direct current.

Section II. EQUIPMENT DESCRIPTION

1-7. PURPOSE OF BRIDGE ERECTION BOAT. A transportable, hydrojet propelled, aluminum hull boat designed to maneuver components of floating bridges. The boat can also be used to propel rafts, support diving operations, assist in maritime construction projects, serve as a troop and cargo carrier, and patrol inland waters.

1-8. CAPABILITIES AND FEATURES.

- a. Can rotate on its own axis at low engine speeds.
- b. All weather operational.
- c. Transportable by rail, road, sea, and air. (See TB 55-46-1).
- d. Positive Flotation.

