

**OPERATOR'S AND UNIT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)**

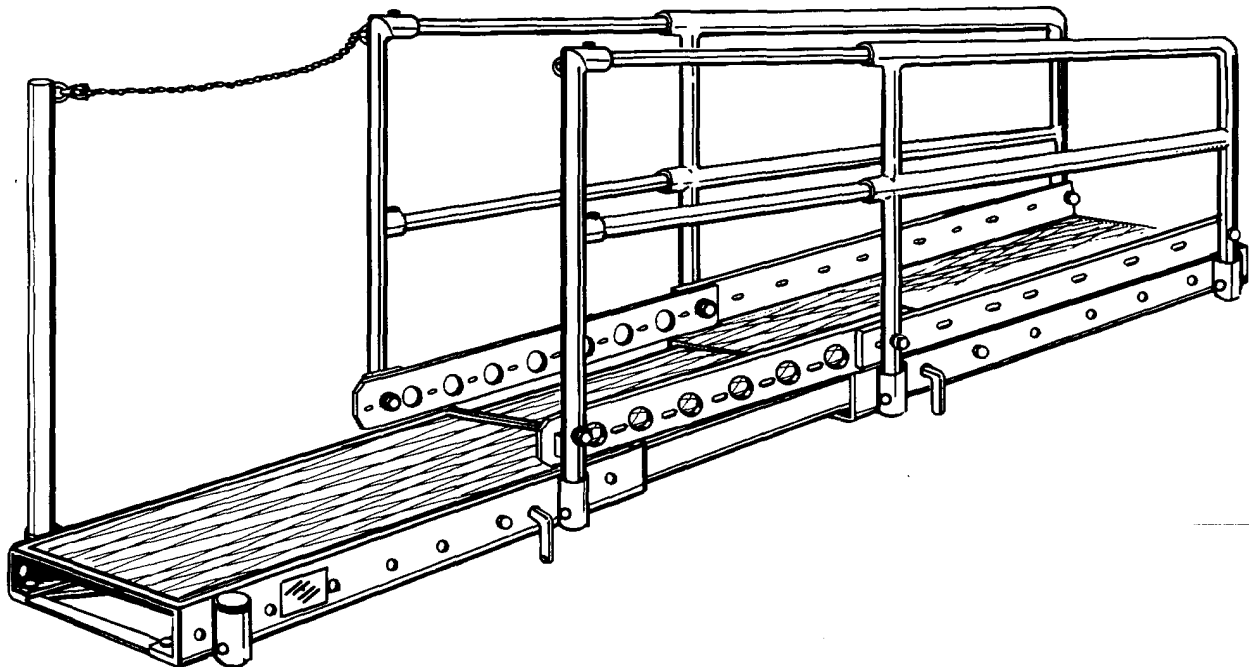
FOR

CATWALK

PILE DRIVER LEAD

NSN 3815-01-315-1479

MILITEC DEFENSE SYSTEMS-MODEL M146



Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

24 April 1992

TECHNICAL MANUAL
NO. 5-3815-228-12&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 24 April 1992

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Current as of 24 April 1992

REPORTING OF ERRORS

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, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished direct to you.

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CHAPTER 1 INTRODUCTION

The Catwalk is a three-section walkway platform. It is positioned and anchored between a crane base and a pile driver lead (tower). It provides a solid walking surface for personnel to use when servicing a pile driving lead. It may be set up over mud, unstable ground, or water terrain.

The Catwalk is designed to be used with pile driving drop hammers weighting up to 1-1/2 tons and with a diesel hammer weighing up to 6 tons.

The Catwalk is constructed of steel material. The walking surface is diamond shaped expanded metal. The Catwalk length is adjustable from about 16 feet to 24 feet in 8" increments. Handrails are made from 2-1/2 inch diameter pipe. The center Handrails are adjustable in length to allow for the adjustable length of the Catwalk. Adjustable and fixed toe boards are used to strengthen the assembled catwalk and provide a safe walkway and staging surface for personnel and their tools.

In addition, two 10 ft. chain hand rails are provided. One chain may be hooked between the post at the end of the adjustable handrail post and the crane. The other chain is hooked between the adjacent post and the auxiliary post at the catwalk entrance. To allow a right or left side entry, the auxiliary (end) post, with its attached chain, may be positioned in either side of the catwalk.

It is shipped to the site, in a crate, in knockdown form. There are 9 parts groups with a total of 13 parts plus one box of hardware. Two 1/2" x 26" long pins, with locking clips and screw/washer/nut combinations, keep the assembled parts in position and are easily installed or removed for adjusting the catwalk length or for shipping knockdown. Screws and nuts used are limited to 1/4" and 1/2" sizes.

A 4" x 7" metal Data Plate is attached to the Outer Section of the walkway. This data plate has an illustration that will assist in the assembly and disassembly of the Catwalk.

There are no lubrication requirements for the Catwalk.

A minimum of two (2) assemblers are required to remove the components from the shipping crate, assemble them into position, and anchor the Catwalk between a crane mounting bracket and the lead. The estimated assembly time is two (2) hours. Unit knockdown, cleaning and packing in the crate require about three (3) hours.

The three-walkway platforms weigh about 85 lbs. each for a combined assembled weight of 285 lbs. Rails, tow boards, and chains add more weight. The shipping weight is 670 lbs.

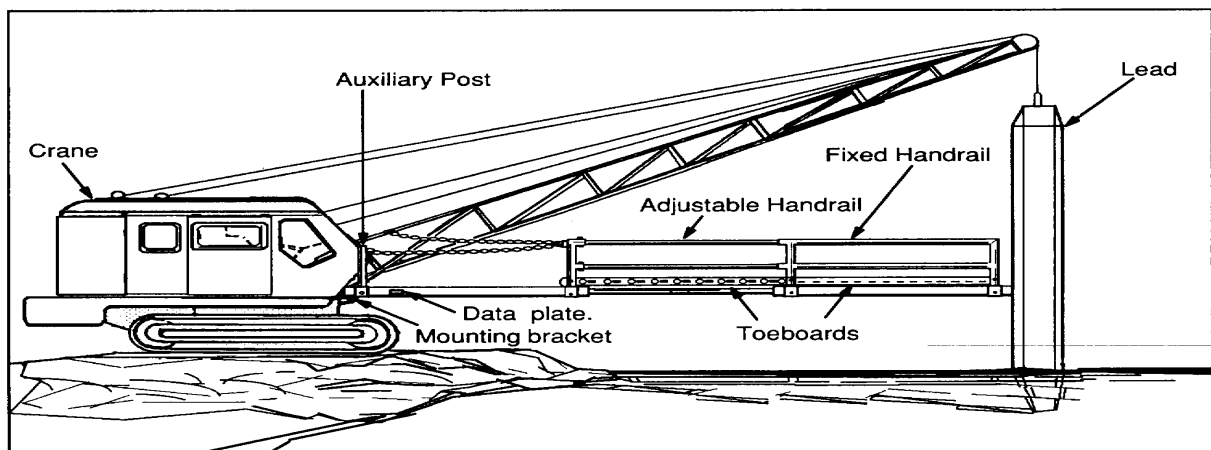


Figure 1. Catwalk