



LVTP-7 ASSAULT VEH DISPLAY BOARD BRAKE/STEERING DEMO, DEVICE 16C67/2

TRAINING CATEGORY:

COMBINED OPERATIONS (Amphibious)

ORIGINATING AGENCY:

MARCORPS

SECURITY CLASSIFICATION:

Device 16C67/2 is unclassified.

INTENDED USE:

To provide military personnel with a basic understanding of the operation of the LVTP-7 brake and steer mechanism.

FUNCTIONAL DESCRIPTION:

Device 16C67/2 is an animated display panel depicting the brake and steer assemblies of the LVTP-7 from input at the operator controls to the final action at the output shafts. It presents

the operation of the brake mechanisms by use of operable mockups of the movable brake rings and planetary gears as well as animated back-lighted power flow cutaway illustration from input through planetaries to output. Components on the illustration are clearly identified by color and black outline delineation. Sectionalized mockups of the hydrostatic unit and the steer and reverse mechanism, along with manually operable mockups of the driver's steering wheel, brake pedal, and speed range selector control are also provided on the face panel. Students can associate the actual movement of these components while observing the animation of related components in the illuminated illustration and mockups.

PHYSICAL INFORMATION:

The device consists of an animated display panel, a support stand, a dust cover, and a maintenance parts kit.

The display panel is approximately 4 feet high by 8 feet long, by 6 to 12 inches thick.

The device weighs approximately 200 pounds and will pass through a 79" H x 35" W door opening.

ENVIRONMENTAL CHARACTERISTICS:

The device will not be adversely affected when subjected to temperatures ranging from minus 13 to plus 160 degrees Fahrenheit and humidity up to 95 percent.

POWER REQUIREMENTS:

115 VAC, 60 Hz.

PUBLICATIONS FURNISHED:

Operator and Maintenance Guide (U).

PERSONNEL:

Instructors: One (1)
Trainees: Up to Twenty (20)

CONTRACT IDENTIFICATION:

Manufactured by Ben Lorenz Associates, Inc., under NAVTRASYSCEN Contract No. N61339-71-C-0226.

LOCAL STOCK NUMBER:

6910-LL-C00-1602