

**LVTP-7 ASSAULT VEH TAKE-OFF POWER MOCK-UP, DEVICE 16C70****TRAINING CATEGORY:**

ARMORED PERSONNEL CARRIER

**ORIGINATING AGENCY:**

MARCORPS

**SECURITY CLASSIFICATION:**

Device 16C70 is unclassified.

**INTENDED USE:**

For use in classrooms for basic training in the operational principle and general arrangement of components of the LVTP-7 PTA mechanism. Trainees are Marine Corp maintenance personnel.

For classroom demonstration of the operation of the LVTP-7 power takeoff assembly, showing the interrelationship of components to each other and to the input gear and output yokes.

**FUNCTIONAL DESCRIPTION:**

Device 16C70 is an operable mockup, one and one-half times the size of the operational power takeoff assembly. It is fabricated of acrylic and lexan plastic, metal and wood. The device is mounted on a formica-surfaced table top supported by a casted, tubular, aluminum stand. Components of each system are color coded to identify them and to facilitate recognition of their interrelationship.

A hand crank at the rear of the table top permits manual rotation of the shaft and pinion located on the underside of the table.

A clear acrylic cover exposes the fan drive clutch assembly to demonstrate typical operation. Four clutch plates are omitted from the stylized clutch to allow exaggerated travel of the clutch piston.

## PHYSICAL INFORMATION:

Number of Pieces: 1 mockup, bolted to a table stand. A dust cover is provided for protection.

Size: Device, 36-1/2" long x 20" wide x 23" high. Table, 38" long x 32" wide x 37-1/2" high.

Weight: 170 pounds

## PUBLICATIONS FURNISHED:

Summary, NAVTRADEV P-3799 (U)

## PERSONNEL:

Instructor: One trained in the operational principles of the LVTP-7 mechanism.

Operator: Instructor or student

Trainees: Class of up to 30 students.

Maintenance: No maintenance required.

## CONTRACT IDENTIFICATION:

Manufactured by Ben Lorenz Associates Inc., Katonah, N.Y., under NAVTRASYSSEN Contract No. N61339-71-C-0234.

## LOCAL STOCK NUMBER:

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