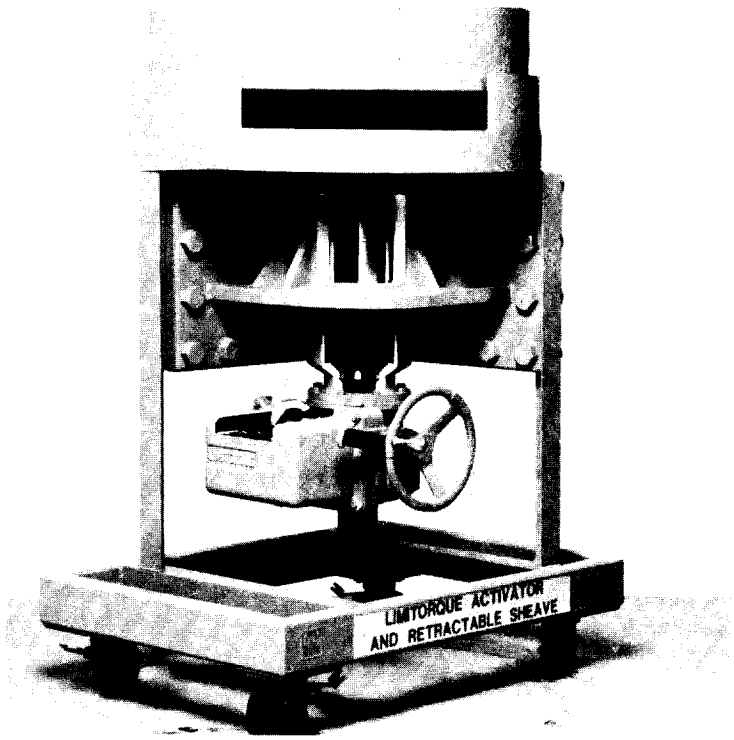

LIMITORQUE ACTIVATOR AND RETRACTABLE SHEAVE MODEL, DEVICE 2H121

TRAINING CATEGORY:

AVIATION (Aircraft Recovery Equipment)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H121 is unclassified.

PURPOSE:

The model of the Limitorque activator for raising and lowering a retractable sheave. One side of the trainer is cutaway and plastic enclosed to show the internal operations and interactions of the geared drive system and limit switches.

INTENDED USE:

In Aviation Boatswain's Mate Equipment School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of a Limitorque operator and a retractable sheave.

FUNCTIONAL DESCRIPTION:

Device 2H121 is an actual Limitorque operator mounted on a retractable sheave model with cutaways to reveal the internal interaction of components. The model is mounted on a support stand complete with rubber tired casters. The retractable sheave is a horizontal sheave which can be lowered from its operating position above a flight deck of an aircraft carrier. The unit is used for reeving the purchase cable from the arresting engine to the deck pendants. The Limitorque activator raises or lowers the retractable sheave. This trainer presents the operation and component make-up of the activator and sheave assembly.

PHYSICAL INFORMATION:

Number of Pieces: One (1) Stand Assembly

Size: 66" High x 34" Deep x 48" Long

Weight: 760 lbs.

PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Limitorque Activator and Retractable Sheave Model, Device 2H121, NAVTRASYSCEN, P-5353-5 (U).

PERSONNEL:

Instructor: One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Equipment School with actual experience onboard an aircraft carrier.

Operator: Instructor-Operated.

Trainees: Class of up to 50

Maintenance: One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYSCEN, Orlando, FL Contract No. N61339-86-C-0136.

LOCAL STOCK NUMBER:

6910-LL-C00-6834

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