



**FFG-7 CLUTCH SYNCHRO-SELF-SHIFTING MODEL, DEVICE 19E28**

**TRAINING CATEGORY:**

PROPULSION ENGINEERING (Equipment Maintenance)

**ORIGINATING AGENCY:**

CNET

**SECURITY CLASSIFICATION:**

Device 19E28 is unclassified.

**FUNCTIONAL DESCRIPTION:**

Device 19E28 will be a one-half scale, three-dimensional hand operable model of the main propulsion Synchro-Self-Shifting Clutch of the LM-2500 Gas Turbine Engine used on the FFG-7 class ship. The components of the clutch will be color coded for easier visibility.

The device will have a hand operable crank and will be used to demonstrate the operating procedures and maintenance steps of the input assembly, main sliding assembly, relay sliding assembly, output assembly, and the clutch engaged/disengaged switch mechanism.

A vinyl plastic dust cover will be provided with the device.

**PHYSICAL INFORMATION:**

The device will be able to be transported through a normal 36" wide door.

**ENVIRONMENTAL CHARACTERISTICS:**

The device shall be able to withstand classroom use and shall not be adversely affected in any manner during storage and transportation when under ambient temperatures of -5° to 125° F and humidity range of 95%.

**INSTALLATION AREA:**

The model will be mounted on a table type base with four (4) rubber tired, locking, swivel casters.

**POWER REQUIREMENTS:**

No power required.

**PUBLICATIONS FURNISHED:**

An instructor guide for operation and maintenance and a device summary sheet will be provided.

**PERSONNEL:**

Instructor - One (1)  
Trainees - Classroom

**RELATED TRAINING DEVICES:**

Device 19E29 - FFG-7 Clutch Synchro-Self-Shifting Cutaway Model.

**LOCAL STOCK NUMBER:**

6910-LL-C00-4989