

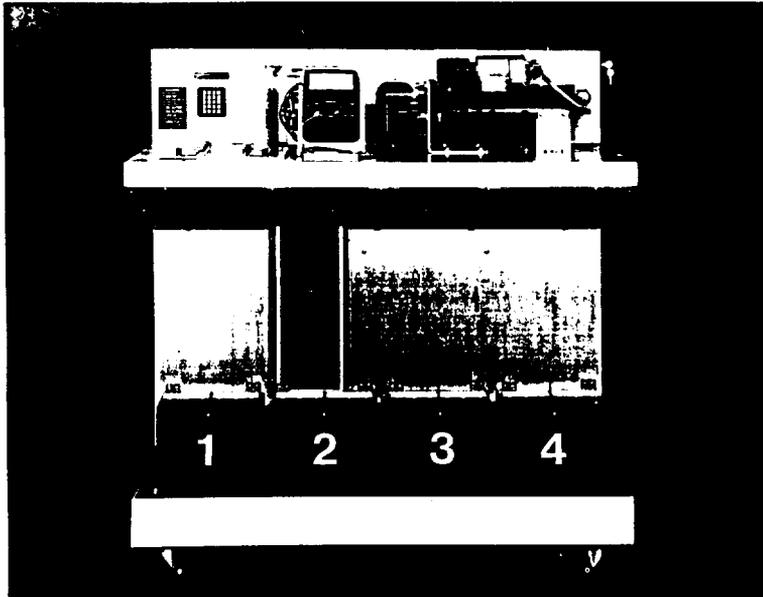
SUMMARY OF
SMALL CRAFT ELECTRICAL SYSTEM TRAINER

JUNE 1994

Device 11E18

NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION

ORLANDO, FLORIDA



TRAINING CATEGORY:

MAINTENANCE TRAINING-
ELECTRICITY

ORIGINATING AGENCY:

CNET

SECURITY CLASSIFICATION OF
DEVICE:

Device 11E18 is
unclassified.

PURPOSE OF DEVICE:

Provide hands on
experience in performing
troubleshooting and
corrective maintenance of
the electrical system of
U.S. Navy small craft.

INTENDED USE:

Device 11E18 is used to
provide hands-on experience in
performing troubleshooting and
corrective maintenance of the
electrical system of U.S. Navy
small craft. This training
will be conducted in a
classroom environment. The
instructor is able to
demonstrate, both visually and
audibly, normal operation and
twelve different system
malfunctions. After the
malfunction is identified, it
is possible to simulate
corrective action.

FUNCTIONAL DESCRIPTION:

The Small Craft Electrical System Trainer simulates the appearance, feel and operation of the electrical devices represented. The indications, measurements and readings on the simulated indicators and operational test equipment respond to outputs supplied by the computer. Similarly, malfunction indications (such as Low Battery Output or an Open Fuse) are controlled by the computer and are not actual malfunctions.

The Small Craft Electrical System Trainer is mounted on a portable cart and mimics the following operational Small Craft Electrical System components:

Alternator
Voltage Regulator
Distribution Panel
Battery
Starter Motor
Starter Solenoid
Horn
Small Craft Lights
Warning Lights

The trainer provides a scoring capability to evaluate student performance. This feature provides feedback on the number of student responses necessary to correctly solve one or several malfunctions.

PHYSICAL INFORMATION:

48 Inches Wide x
34 Inches Deep x
52 Inches High.
Approximately 250 pounds.

EQUIPMENT REQUIRED (Not Supplied):

NONE

POWER REQUIREMENTS:

115 volts, 60 Hz, 16.5 Amps and 11.5 Amps run maximum.

PUBLICATIONS FURNISHED:

Operation & Maintenance Manual, Small Craft Electrical System Trainer Device 11E18, NAWC-TSD P-7148(U).

Commercial off-the-shelf Manual, Small Craft Electrical System Trainer Device 11E18, NAWC-TSD P-7149(U).

PERSONNEL:

Instructor - One instructor.

Trainee - One student.

CONTRACT IDENTIFICATION:

Manufactured by American Systems Corporation, Orlando, FL. Under NAWC-TSD Contract No. N61339-93-C-0043.

LOCAL STOCK NUMBER:

6910-LL-C00-6277

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