B.S.P. Released on B.S.P.M. #_____
List _____ Date APR 23 1969

SWITCH TROUBLE AND FUSE ALARMS
OPERATION TESTS
STEP-BY-STEP SYSTEMS

1. GENERAL

1.001 This addendum supplements Section 226-800-500.

1.002 It is issued to change the apparatus required for testing fuse alarms associated with 70-type fuses, and to require the use of fused test battery when making fuse alarm tests.

2. APPARATUS

The following changes apply to Part 2 of the section:

(a) 2.02 - revised

(b) 2.02.1 - added

(c) 2.02.2 - added

2.02 Testing cord, W1AF cord, 8 feet 6 inches long, equipped with two 360A tools, one KS-6278 or 365 type connecting clip and one 411B (test pick) tool for use in applying test battery to fuse stud of 35R fuse. Equip W1AF cord with one KS-6278 or 365 type connecting clip and one 411B test pick when applying test battery to alarm stud or where 70-type fuses are used in circuits of 52 volts maximum

2.02.1 Testing cord, W1AF cord, 8 feet 6 inches long, equipped with one 411B tool and one 141 cord tip (used for connecting battery to apparatus, as required, where connection to battery for testing is to be made using the 720A battery pickup tool, shown in Section 074-150-601).

2.02.2 KS-14510 volt-ohm-milliammeter.

4. METHOD

The following changes apply to Part 4 of the section:

(a) Test A, Caution - revised

(b) Test A, Note - revised

(c) Test A, Caution - added

STEP	ACTION	VERIFICATION

A. Switch Frame Fuse Alarm

Caution: The battery supply provided by a 35R (0.180 amp) fuse should not be used for making any of the fuse alarm tests. Also, do not substitute the shorting method of testing 70-type fuse alarms in dc circuits exceeding 52 volts, described in other sections, for the method described in the following note. Using an incorrect method may result in damage to equipment and injury to personnel.

Note: If the fuse alarm circuit being tested is associated with 70-type fuses in dc circuits of 52 volts maximum, follow this procedure. Connect the KS-6278 or 365 type connecting clip to the TEST BATTERY supply. (A 720A battery pickup tool may be used if test battery is not available.) Carefully insert the tip of the 411B test pick (attached to the W1AF cord) into the aperture in front of the fuse holder, adjacent to the colored bead. Contact the alarm lead ring and note that the alarm sounds.

Caution: If the alarm circuit of the fuse under test should be falsely grounded, severe arcing can result when the 411B tool or the W1AF cord is used. Therefore, before making an alarm test by this method, test the alarm circuit with a volt-ohmmeter to determine first that there is no voltage present on the alarm lead ring and second that there is at least 200 ohms resistance to ground present on the alarm lead ring for the circuit under test.