KEYBOARD DISABLE LOCK FEATURE FOR "DATASPEED " 40/4
ATTACHED KEYBOARD DISPLAY

1.   GENERAL

1.01   The security lock feature allows the attendant of a - DATASPEED 40/4 attached keyboard display device to disable the associated operator console.

1.02   Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

1.03   The security lock feature is provided in modification kit form. The modification kit (407400) provides the key-locking switch assembly, mounting hardware, and installation instructions.

Note: Prefix modification kit numbers with "TP" (ie, TP407400).

1.04   The security lock feature is limited for use with a 40CAB251/ZZ cabinet equipped with a 405562 modification kit.

2.   TECHNICAL DATA

2.01   The key-locking switch has single pole, double throw, break-before-make contacts with snap action activated by rotary key motion. In its counterclockwise position, the switch disables the keyboard (opcon) by disconnecting it from the V_{DD} power source.

2.02   Without power there is no SSI clock from the opcon to the controller. Absence of SSI clock causes the controller to set the IR (Intervention Required) bit in a status and sense message which will be sent to the CPU (Central Processor Unit) if the station receives a specific poll. It is interpreted by the CPU as device unavailable or not ready. On most software systems this requires manual intervention at the CPU to reinstate the terminal. Therefore, to enable the keyboard, the user is required to: (1) rotate the key-locking switch to its clockwise position to restore power to the opcon and; (2) make a call to the CPU and request that the terminal be activated.* The locking key is removable in the counterclockwise position only. Two keys are provided with each switch. Note that lock configuration cannot be controlled; therefore, successive locks may be different or identical.

2.03   Maintenance of a station is not affected by this feature other than requiring the new release parts for replacement.

2.04   The electrical and environmental requirements for a station are not affected by this feature.

2.05   The physical dimensions, weight, size, and color of a station are not affected by this feature.

2.06   The station interfaces and cable connections are not affected by this feature.

3.   DESCRIPTION

3.01   The major component of the modification kit that provides this feature is the key-locking switch assembly.

*The terminal will respond to a Specific or General Poll by sending a "Device No Longer Busy" Alarm Flag (status and sense) after power is restored.

4. CONVERSION

4.01 The key-locking switch assembly consists of a bracket mounted key-locking switch and cabling with two connectors, for convenient switch insertion between the existing keyboard (opcon) cable from the remote controller and a provided opcon connector on the left front side of the 40CAB251/ZZ cabinet, with 405562 modification kit. The bracket is mounted inside the cabinet by means of existing holes in the front plate at the opcon connector location. (See Fig. 1 and 2.)
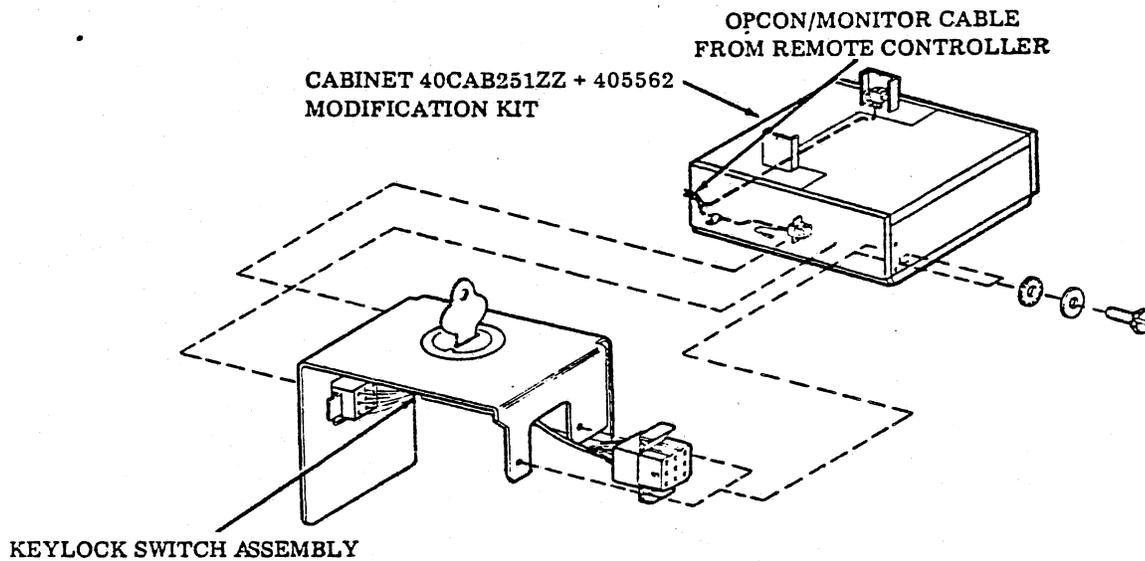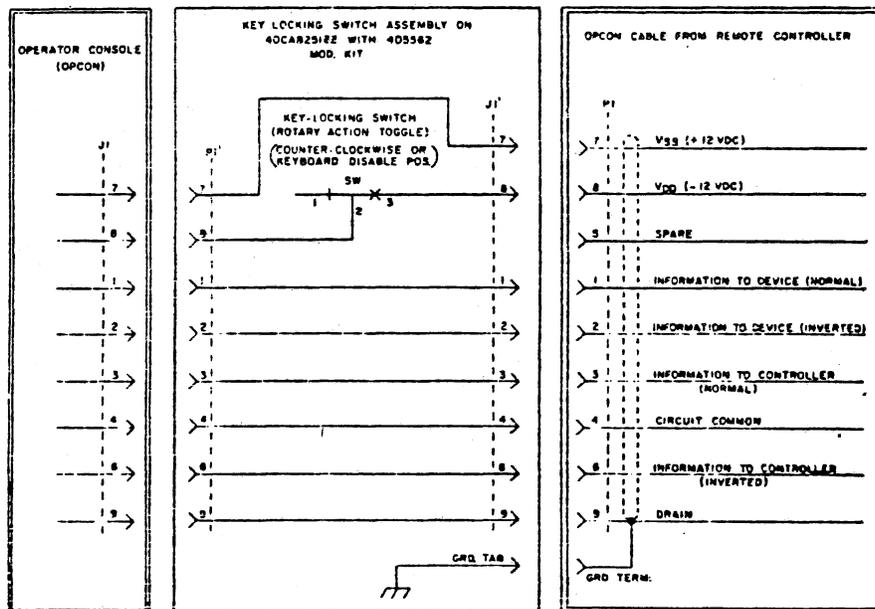

Fig. 1

Fig. 2—Schematic Diagram of Key-Locking Switch Assembly

5.   REFERENCES

5.01   50000 Specification

50844S   —   Instructions for Installing the 407400 Modification Kit to Provide a Keyboard Disable Lock on Synchronous DATASPEED 40/4 Monitor/Opcon Support Cabinet

MEMORANDUM "B"

I. GENERAL

This memorandum provides a description and detailed ordering
information for the keyboard disable lock feature for DATASPEED
40/4 attached keyboard display.

II. "DATASPEED" 40 KEYBOARD DISABLE LOCK FEATURE

The feature described in this part is for use with the Uniform
Service Order Codes (USOCs) shown below. Where no description is
given, refer to E.L. 4084.

Applicable to keyboard contained in the following arrangement:

USOC 4TOX+

USOC 4D3   Keyboard Disable Lock Feature for DATASPEED 40/4
             Attached Keyboard Display
             Furnish the following:

             1 - TP407400 Modification Kit