KEYBOARD DISABLE LOCK FEATURE FOR "DATASPEED*" 40/4

ATTACHED KEYBOARD DISPLAY

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1. GENERAL

1.01 The 407400 modification kit provides a bracket-mounted, key-locking switch and cabling for installation in a DATASPEED 40CAB251/ZZ Monitor/Opcon Support Cabinet equipped with a 405562 modification kit.

Note: DATASPEED 40CAB251/ZZ cabinet equipped with a 405562 modification kit is identical to a DATASPEED 40CAB251/AC Cabinet.

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

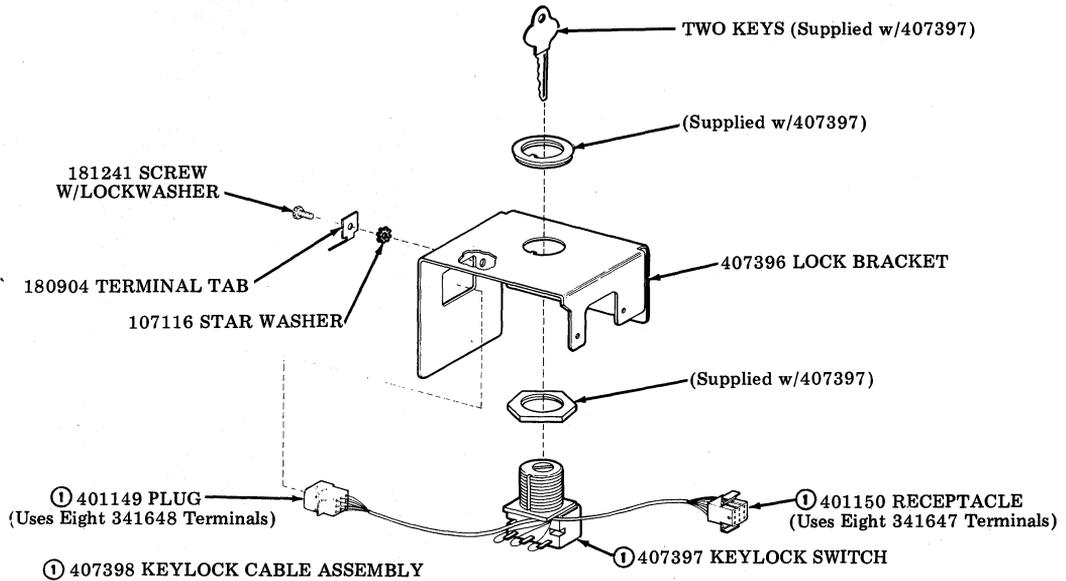Note: Prefix Teletype Corporation part numbers with TP (ie, TP407400).

1.03 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 keylocking 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 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. 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.

1.04 The 407400 modification kit consists of:

Qty.	Part No.	Description
2	125011	Washer, flat
4	155861	Washer, star
2	326023	Screw, 4-40 by 0.281 hex
1	407399	Switch assembly, keylock

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1.05   The 407399 keylock switch assembly consists of:

TWO KEYS (Supplied w/407397)

(Supplied w/407397)

181241 SCREW W/LOCKWASHER

180904 TERMINAL TAB

107116 STAR WASHER

407396 LOCK BRACKET

(Supplied w/407397)

① 401149 PLUG
(Uses Eight 341648 Terminals)

① 401150 RECEPTACLE
(Uses Eight 341647 Terminals)

① 407398 KEYLOCK CABLE ASSEMBLY

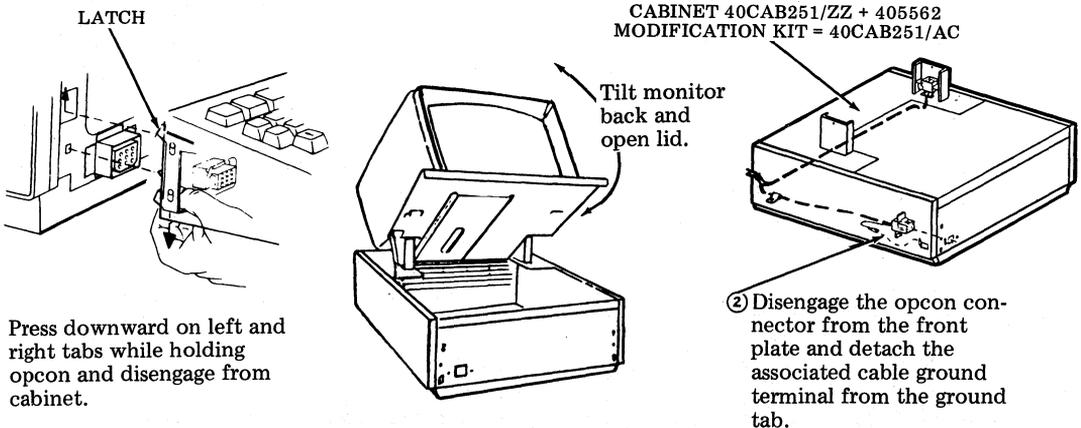① 407397 KEYLOCK SWITCH

1.06   Refer to Bell System Practice 579-505-354, Field Installation and Maintenance Practice or
        582-200-252, Synchronous DATASPEED 40 Station — Service Manual (40/4), for technical
data concerning Synchronous DATASPEED 40/4.

2.   INSTALLATION

2.01   Installation of 407400 modification kit into a DATASPEED 40CAB251/ZZ cabinet equipped
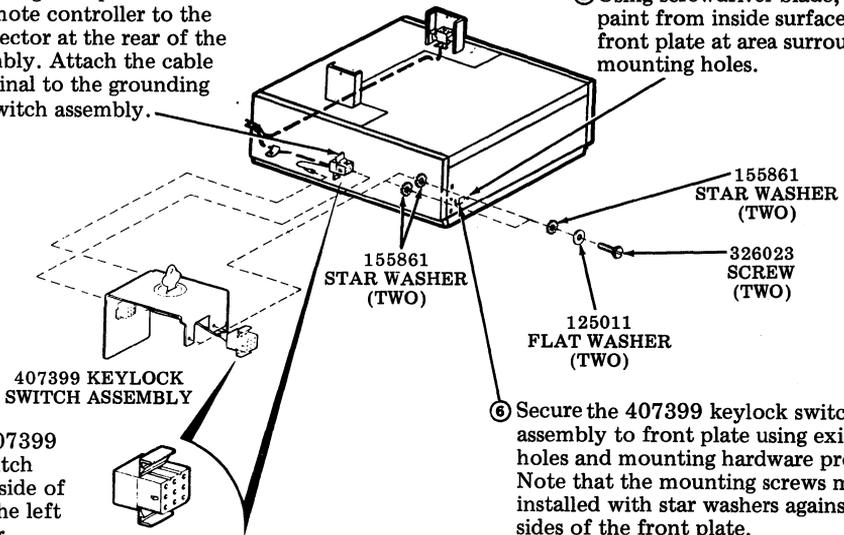   with a 405562 modification kit requires the following steps:

① Remove opcon from set and move monitor out of the way

LATCH

CABINET 40CAB251/ZZ + 405562
MODIFICATION KIT = 40CAB251/AC

Tilt monitor
back and
open lid.

Press downward on left and
right tabs while holding
opcon and disengage from
cabinet.

② Disengage the opcon con-
nector from the front
plate and detach the
associated cable ground
terminal from the ground
tab.

⑦ Connect the original opcon cable from the remote controller to the mating connector at the rear of the switch assembly. Attach the cable ground terminal to the grounding tab on the switch assembly.

③ Using screwdriver blade, remove paint from inside surface of front plate at area surrounding mounting holes.

155861
STAR WASHER
(TWO)

155861
STAR WASHER
(TWO)

326023
SCREW
(TWO)

125011
FLAT WASHER
(TWO)

407399 KEYLOCK
SWITCH ASSEMBLY

⑥ Secure the 407399 keylock switch assembly to front plate using existing holes and mounting hardware provided. Note that the mounting screws must be installed with star washers against both sides of the front plate.

④ Place the 407399 keylock switch assembly inside of cabinet at the left front corner

Warning: Orient connectors as shown.

⑤ Orient the switch assembly unmounted connector as shown and snap connector into the cabinet front plate.

⑧ Reinstall opcon to cabinet. Using key provided with switch assembly, rotate switch to its clockwise position and restore power to the opcon. Close lid and return the monitor to its normal viewing position.
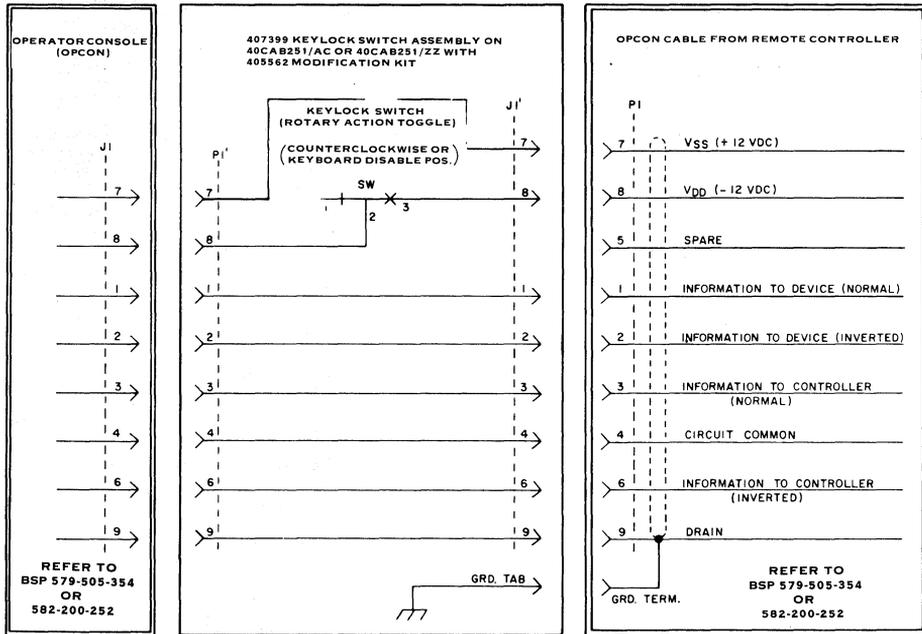
3. TESTING

3.01   With the opcon enabled (keylock switch in its clockwise position), make a call to the CPU and request that the terminal be reinstated. The local key indicator on the opcon should be lighted, depress key if not lighted.
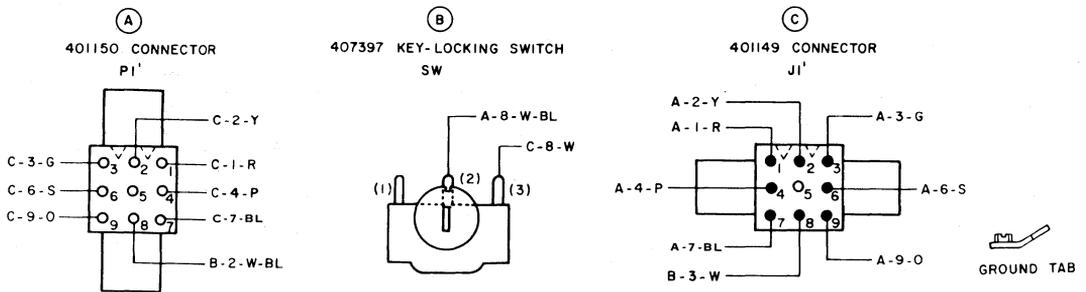
3.02   If the local key indicator does not light or local operation of the terminal cannot be performed:

(a)   Check to see that the SSI connector from the remote controller is properly seated at rear of the 407399 keylock switch assembly.

(b)   Check for dirty or broken pins at SSI connector.

(c)   Check to see that proper voltage is present at pins 7 and 8 of the SSI connector. Refer to schematic diagram (3.03).

(d)   Refer to Station Troubleshooting in Bell System Practice 579-505-354 or 582-200-252.

3.03 SCHEMATIC DIAGRAM OF KEYLOCK SWITCH ASSEMBLY

3.04 ACTUAL WIRING DIAGRAM OF KEYLOCK SWITCH ASSEMBLY

All wires 24 AWG. Terminals enclosed in parentheses are for reference and not marked on component. Connectors shown from wired side.
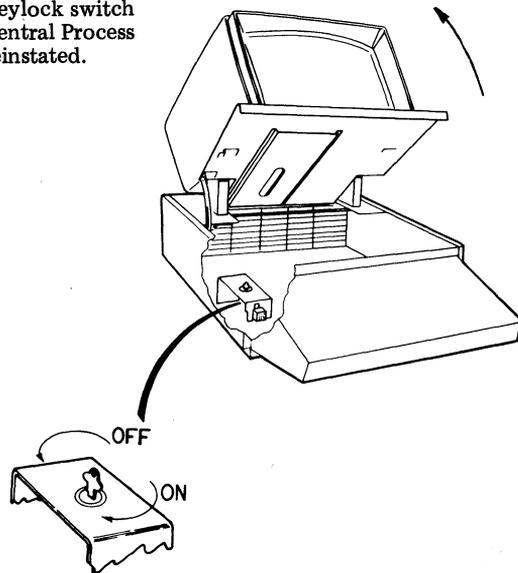
CUT ON DASHED LINES.

PLACE IN ATTENDANT'S HOW TO OPERATE MANUAL.

Operator Console Security Lock Feature

The security lock feature will allow the attendant to disable the associated operator console in the Synchronous 40/4 attached keyboard/display device. A keylock switch located inside the cabinet can disable the operator console by rotating key counterclockwise. To reinstall or restore power to the operator console, the attendant is required to (1) rotate keylock switch clockwise (2) make a call to the CPU (Central Process Unit) and request that the terminal be reinstated.

Tilt monitor back and open lid.

Key is removable in the counterclockwise (off) position only.