

**“DATASPEED\*” 4500 SERIES KEYBOARDS**  
**DISASSEMBLY/REASSEMBLY, ADJUSTMENT, AND PARTS**

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1. GENERAL

1.01 This section provides disassembly/reassembly, adjustment, and parts information for the DATASPEED 4500 series keyboards as in Fig. 1.

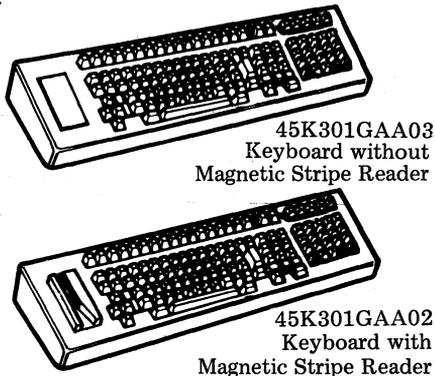


Fig. 1--DATASPEED 4500 Keyboards

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

*Note:* When ordering replaceable parts, or tools prefix each part number with the letters “TP” (ie, TP123456), unless specified otherwise.

1.03 The procedures for keyboard removal and replacement are included in this section.

1.04 The extent of the disassembly procedures is limited to that which is required for correction of troubles or replacement of parts in field locations.

1.05 Refer to Maintenance Tools Section 570-005-800 for a complete listing of the various types of hand tools available for maintenance of Teletype ® equipment.

**TOOLS REQUIRED**

1.06 The following tools are recommended for use during the disassembly and reassembly procedures:

- |        |                              |
|--------|------------------------------|
| 75765  | Spring hook -- pull          |
| 89954  | 1/4-inch nut driver          |
| 100982 | Screwdriver (6-inch medium)  |
| 108285 | Long-nose pliers             |
| 143484 | Grease (1 lb. can) or        |
| 145867 | Grease (4 oz. tube)          |
| 346257 | Keyswitch extractor          |
| 346260 | Keypad extractor             |
| 346392 | Static discharge strap       |
| 346960 | Extractor                    |
|        | Soldering iron (low wattage) |
|        | Desolderer                   |
| 402840 | Terminal extractor tool      |
| 406303 | Test card (MSR)              |

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2. DISASSEMBLY/REASSEMBLY

**Warning:** To avoid possible internal damage to circuitry, wear a 346392 static discharge strap connected to ground to allow static discharge before disassembly and reassembly. Avoid touching circuit lands or components as much as possible. Soldering irons, test, and insertion equipment must be grounded.



Attach 346392 static discharge strap tightly to wrist as shown.



Attach clip end of static discharge strap to frame ground.

2.01 Precautions should be taken to assure that disassembly/reassembly is done under clean conditions. No oil, grease, or other liquids should be allowed on loose parts, subassemblies, keyswitches, or the complete keyboard.

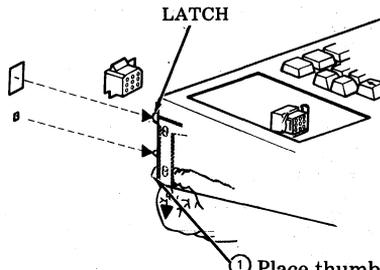
2.02 Reference in the procedures to left or right, up or down, and top or bottom, etc, refer to the units normal operating position.

2.03 When removing any subassembly or part, do not force or pry parts, unless specified, to provide the necessary clearance for removal. No forcing is required to accomplish a removal procedure. Follow the removal procedure and note how each part is removed and the sequence of its removal so that proper reassembly can be accomplished. For reassembly, reverse the removal procedure except where different instructions are given.

2.04 To remove keyboard:

③ Pull keyboard forward to disengage from cabinet.

*Note:* Use same procedures to remove and replace keyboard from table or free standing base.



② With right hand place thumb on right inward latch tab and press downward to unlatched position.

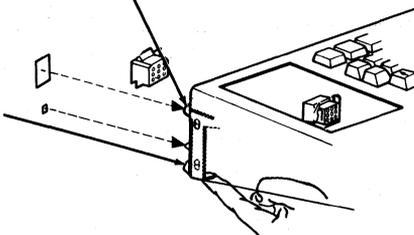
① Place thumb on left inward latch tab and press downward to unlatched position.

2.05 To replace keyboard:

① Slide left and right latches down.

② Engage connector and left and right guides into slots.

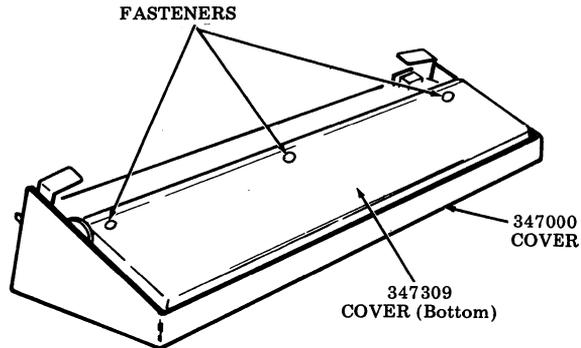
③ Slide left and right latches upward into latched position.



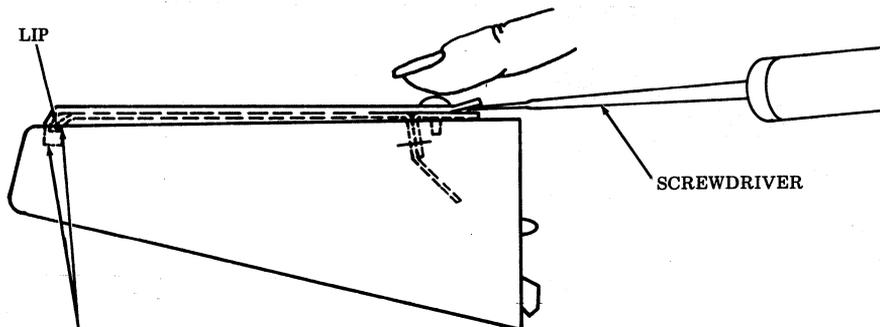
**Warning:** Check that unit is firmly attached on both sides before releasing hold.

## 2.06 To remove 347000 cover:

- ① Place keyboard upside-down on a smooth surface. (Avoid scratching or marking the keytops).

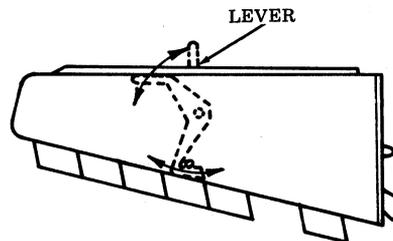


- ② Remove the three fasteners, one at a time, by inserting a screwdriver to lift each fastener. Hold the fastener down while prying up from under the bottom cover.



- ③ Swing 347309 bottom cover up and away from retaining lip to release pan.

- ④ Use a thin bladed screwdriver or orange stick and pry up left and right levers. Lift keyboard out of 347000 cover.

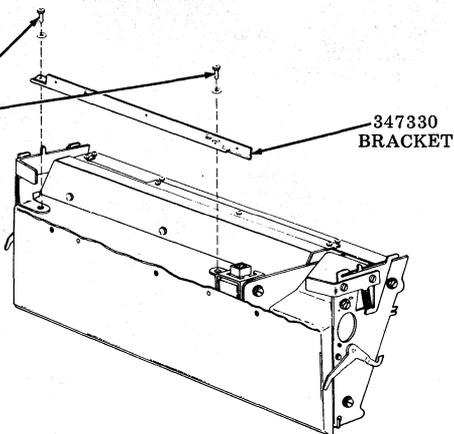


For reassembly go to 2.34.

2.07 To remove 346958 pan:

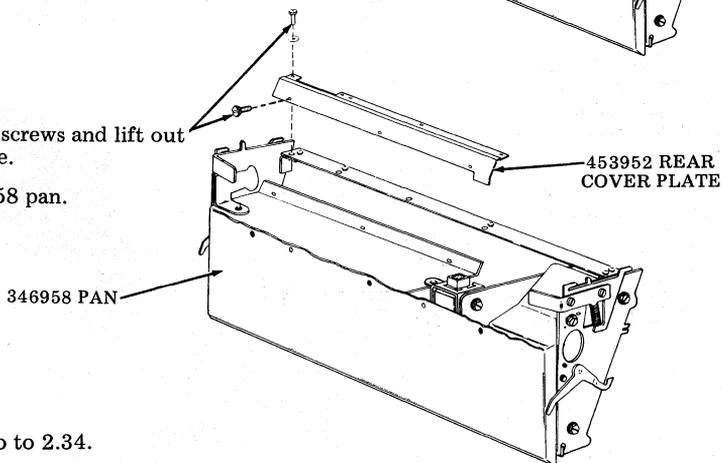
- Remove cover (2.06).

- ① Remove two screws from left and right side frame tabs, and lift off 347330 bracket.



- ② Remove seven screws and lift out rear cover plate.

- ③ Remove 346958 pan.



For reassembly go to 2.34.

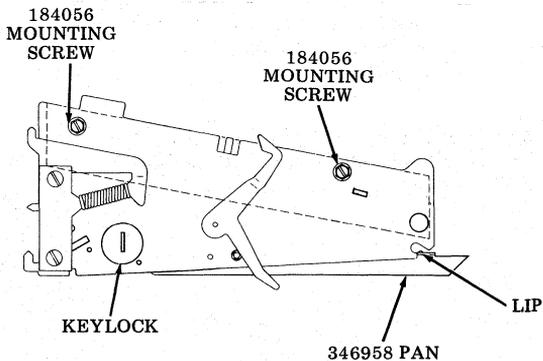
2.08 To remove left side frame:

- Remove cover (2.06).
- Remove pan (2.07).

- ① Remove two mounting screws from left side frame.
- ② Side frame can then be eased off the pan lip.

*Note:* If keylock is present, go to keylock cable removal (2.15).

For reassembly go to 2.27.



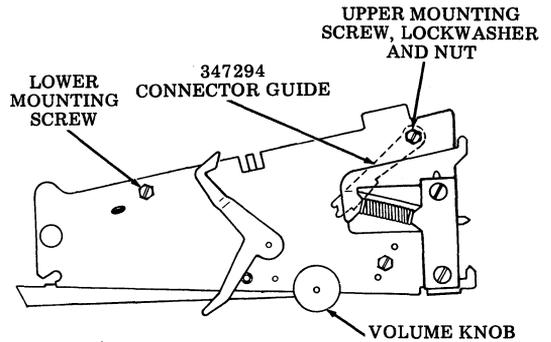
2.09 To remove right side frame:

- Remove cover (2.06).

*Warning: Be careful when removing the upper mounting screw. The lockwasher and nut may drop onto the circuit card.*

- ① Remove upper screw, lockwasher and nut.
- ② Remove connector guide.
- ③ Remove lower mounting screw.
- ④ Removal of the knob may be required before side frame will detach.

For reassembly go to 2.32.

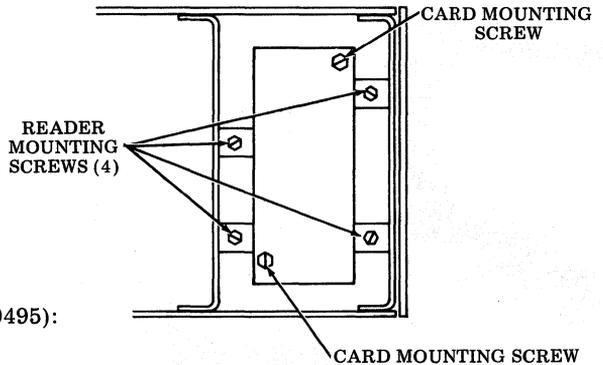


2.10 To remove magnetic stripe reader:

- Remove cover (2.06).
- Remove pan (2.07).

- ① Remove four reader mounting screws.
- ② Lift reader out of frame.

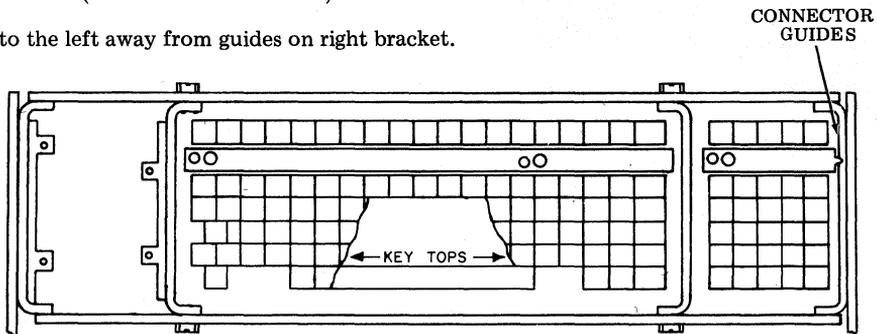
For reassembly go to 2.29.



2.11 To remove circuit card (410097 or 410495):

- Remove cover (2.06).
- Remove pan (2.07).

- ① Remove six screws (four front and two rear).
- ② Move card to the left away from guides on right bracket.

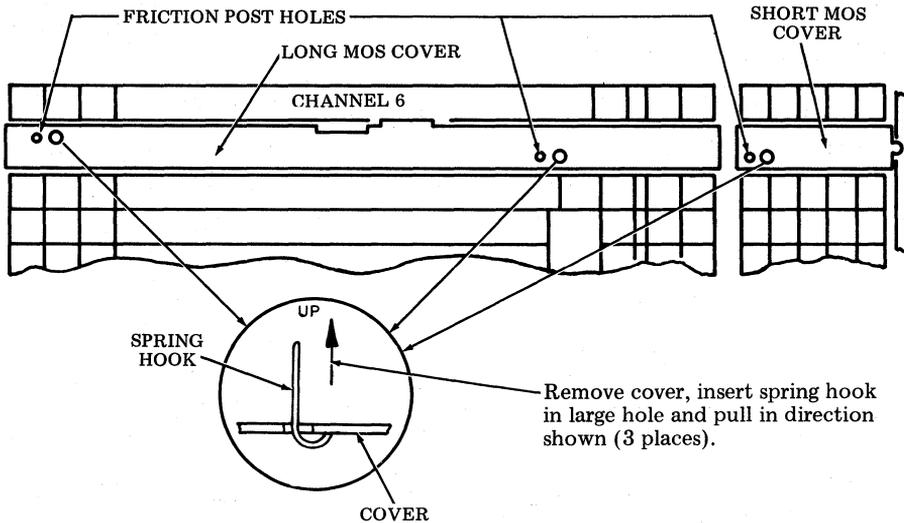


Top View

For reassembly go to 2.28.

2.12 To remove MOS (Metal Oxide Semiconductor) covers:

- Remove cover (2.06).

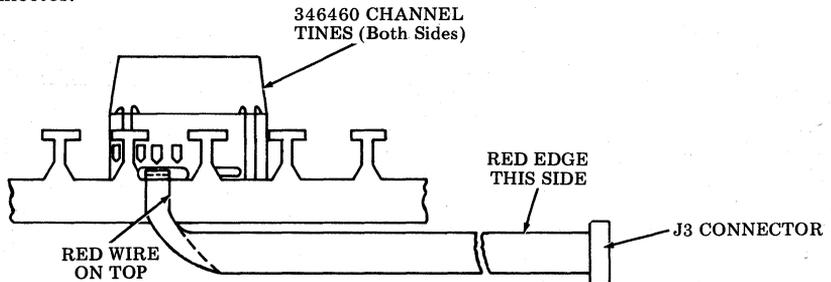


For reassembly go to 2.31.

2.13 To remove 346760 three digit display:

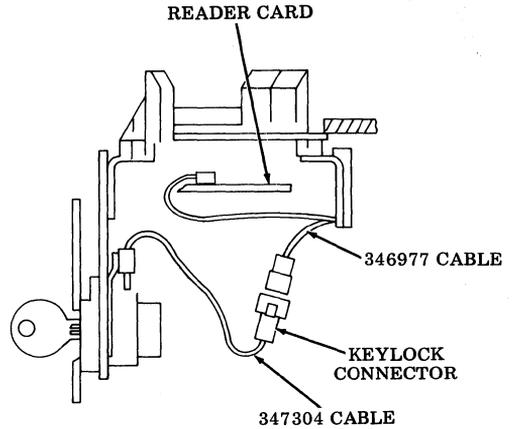
*Note:* Refer to 2.22 keyswitch removal.

- Remove cover (2.06).
- ① Remove solder from terminal pins.
  - ② Use 346257 tool to extract digit display, or disengage tines with a thin bladed screwdriver while lifting the display.
  - ③ Carefully guide cable out of channel tines.
  - ④ Disconnect J3 connector.

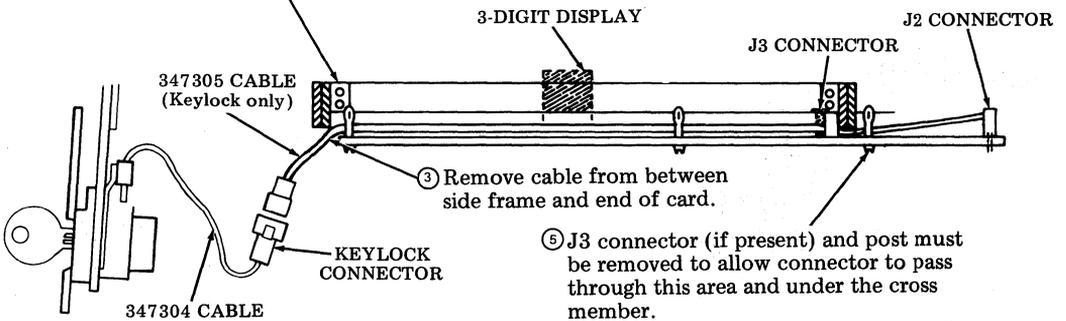


2.14 To remove reader and/or keylock cable:

- Remove cover (2.06).



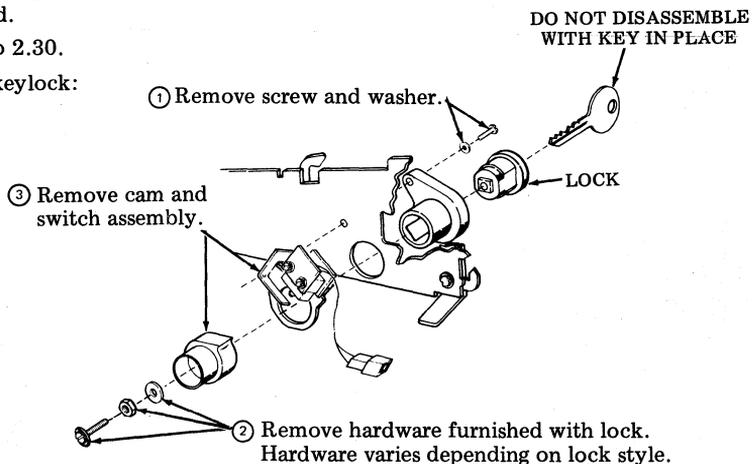
- ① Disconnect keylock connector.
- ② Remove the five mounting screws of 346698 bracket. Move bracket to the left to provide clearance for removal of the connector.



- ④ Release J2 connector from circuit card.

For reassembly go to 2.30.

2.15 To remove keylock:

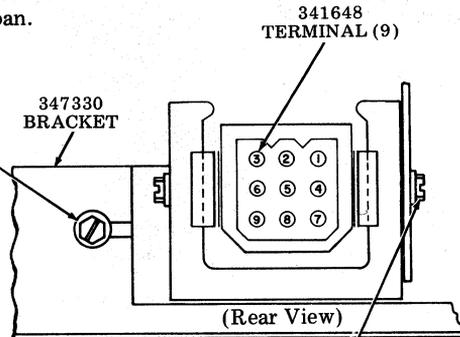


For reassembly go to 2.26.

2.16 To remove SSI cables:

- Remove cover (2.06).
- If magnetic stripe reader is present, remove 346958 pan.

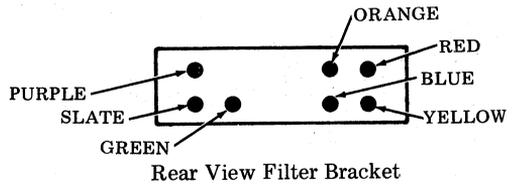
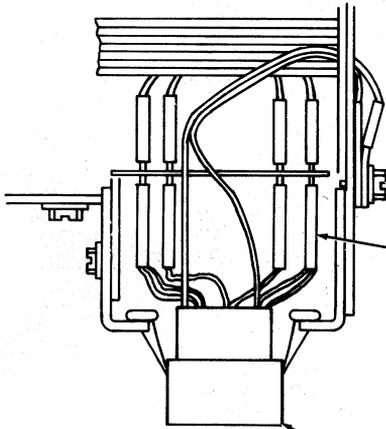
① Remove 198670 screw from right side of 347330 bracket. Swing bracket downward.



② Remove 181242 mounting screw.

③ Remove 320418 ground terminals.

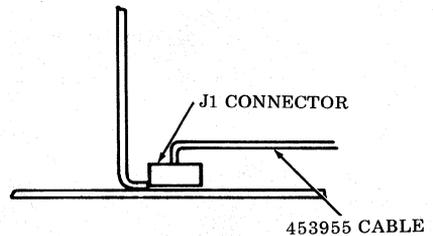
④ Remove seven 400574 terminals.



⑤ Remove 401149 plug of 453956 cable from bracket. To remove terminals use a 402840 extractor tool.

⑥ Remove MOS cover, insert spring hook in large hole and pull up.

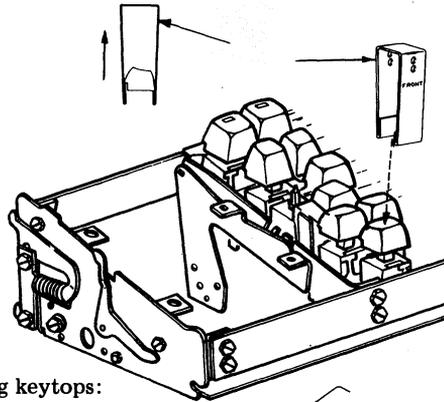
⑦ Remove J1 connector using a 346960 connector extractor.



⑧ Remove seven 400574 terminals from front of 453954 filter bracket.

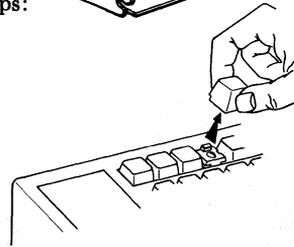
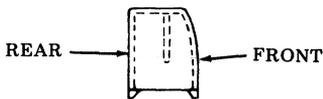
For reassembly go to 2.33.

2.17 To remove data keytops:



2.18 To remove control keytops and blocking keytops:

- ① Grasp keytop using thumb and index finger.
- ② Exert upward force until keytop releases.

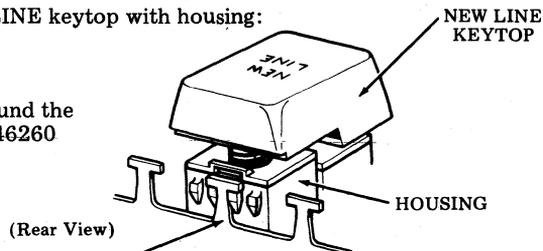


*Caution: Control row blocking keytops are not the same on the front and rear side and must be assembled with the proper orientation. New style blocking keytop has finger-like extensions to the interior of the keytop to prevent reversal.*

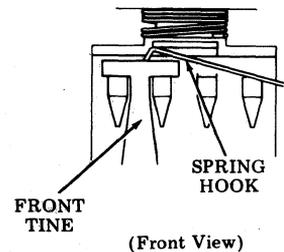
2.19 To remove the NEW LINE keytop with housing:

- Remove cover (2.06).

- ① Remove keytops that surround the NEW LINE keytop using 346260 tool.



- ② Disengage rear tine from housing with a small screwdriver while pulling NEW LINE keytop up and toward the front.



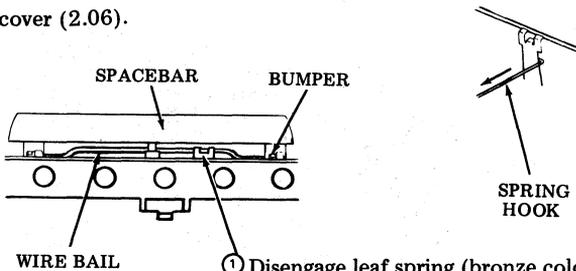
- ③ Continue applying upward pressure to the NEW LINE keytop and disengage the front tine from housing using a spring hook. Remove keytop with housing from channel.

2.20 To reassemble insert housing with keytop, observe position of locating lug on housing and press into channel. Housing must snap fully into front and rear channel tines.

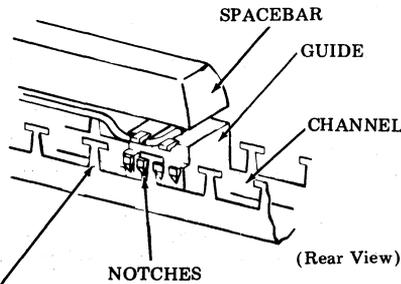
Spacebar Mechanism

2.21 To remove spacebar mechanism:

- Remove cover (2.06).

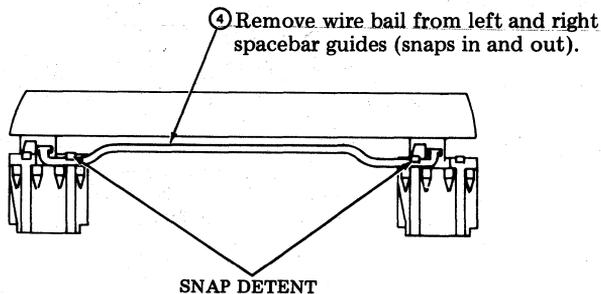


① Disengage leaf spring (bronze colored) from wire bail using a spring hook and pull toward the front.



② Disengage two rear tines (one at each end of spacebar) with a small screwdriver while pulling the spacebar up and toward the front.

③ Continue applying upward pressure to spacebar and disengage two front tines.



2.22 To reassemble spacebar mechanism, make sure the four tines engage the notches in spacebar housing and leaf spring is engaged to wire bail.

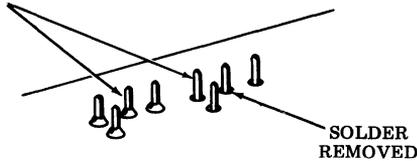
2.23 Check mechanical operation of spacebar so that it returns to its unoperated position freely when depressed and released slowly.

## Keyswitches and 341088 Test Indicator Assembly

2.24 To remove keyswitches and 341088 test indicator assembly:

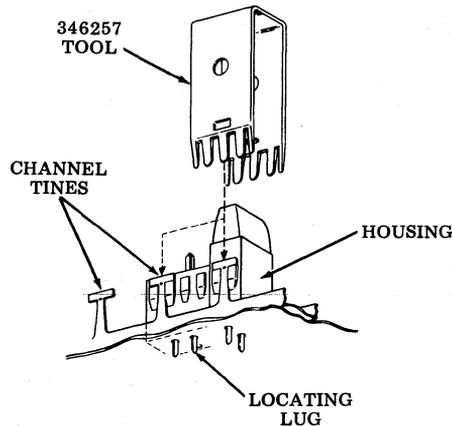
- Remove cover (2.06).
- Remove pan (2.07).
- Remove keytop if keyswitch is being removed (2.17), or unsnap test indicator cap.

- ① Remove solder from around terminal pins of keyswitch or test indicator to be removed.



**Warning:** Use a grounded, low wattage soldering iron (avoid prolonged contact with pins) along with a desoldering tool to prevent damage to keyswitch card circuits and components.

- ② Place 346257 tool over keyswitch or test indicator and press downward. When tool bottoms and embossed projections snap into notches on housing, squeeze and pull back on tool to lift keyswitch or test indicator out.

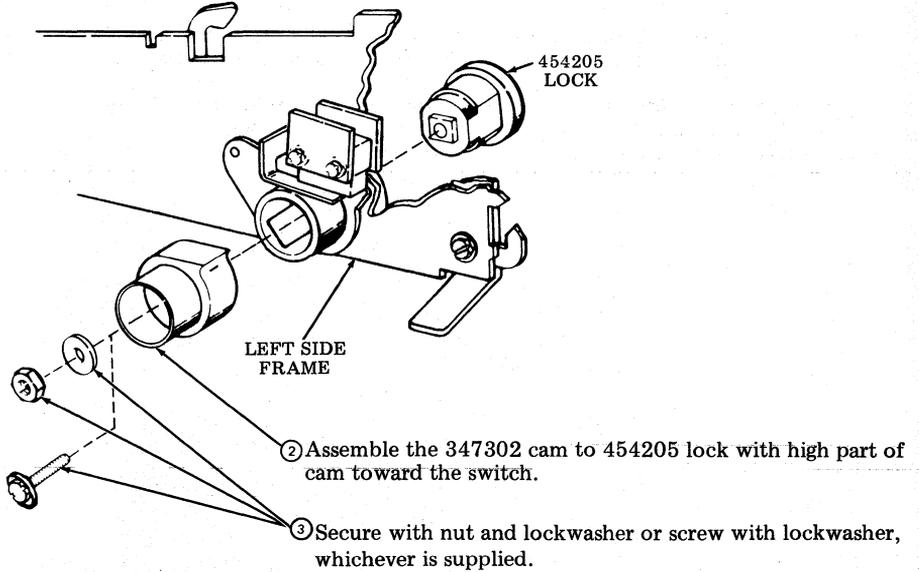
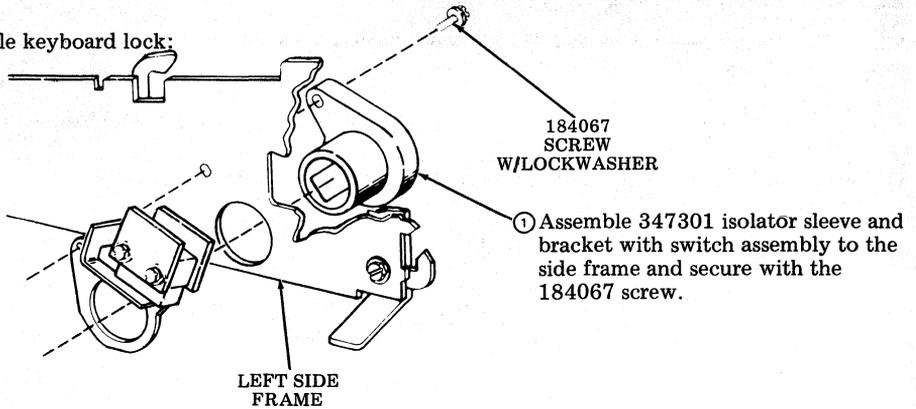


**Note:** The tines of the tool must pass between keyswitch or test indicator housing and inside of channel tines.

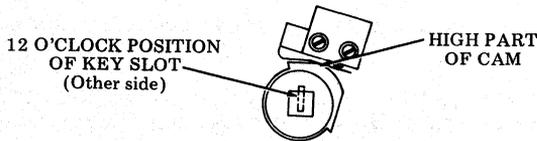
2.25 To reassemble, insert new keyswitch or test indicator, observe position of locating lug (on keyswitch only), and press into channel. Housing must snap fully into front and rear channel tines. Hold keyswitch or test indicator in place and resolder.

REASSEMBLY

2.26 Assemble keyboard lock:



④ The lock should be assembled in the sleeve so that in the "off" position the key is inserted with notched, or bitted side up.



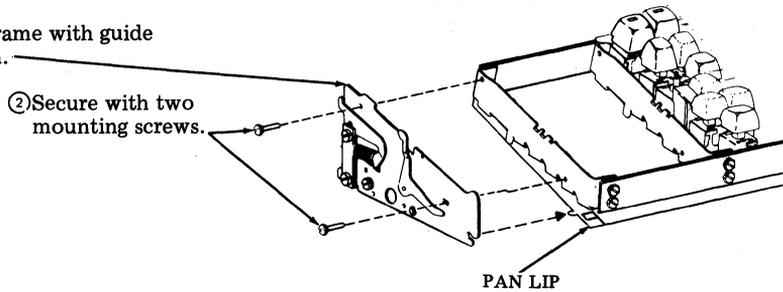
Cam Position With  
Respect to Key Slot

⑤ Tighten switch assembly mounting screws.

## 2.27 Replacement of left side frame:

① Position side frame with guide over lip on pan.

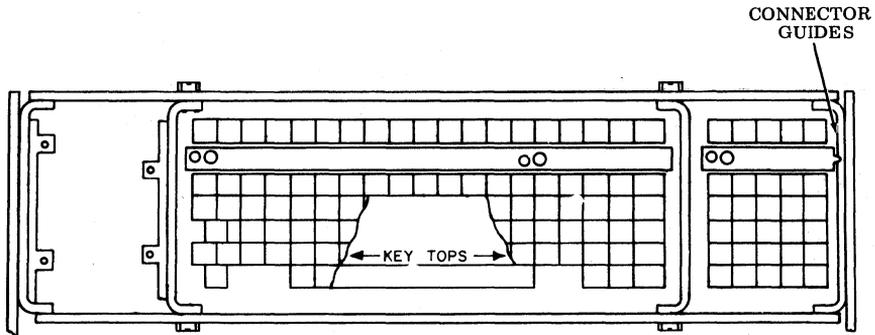
② Secure with two mounting screws.



## 2.28 Circuit card replacement (410097 or 410495):

① Position circuit card into frame and against the guides on the right side bracket.

② Replace six mounting screws (four front and two rear).

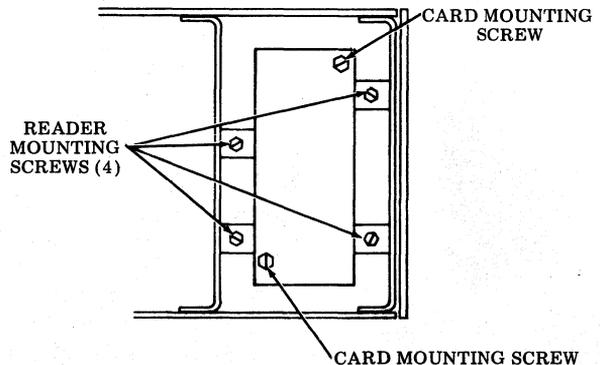


Top View

## 2.29 Magnetic stripe reader replacement:

① Position reader and secure with four mounting screws.

② Attach connector to card, position card and secure with two mounting screws to base of reader.



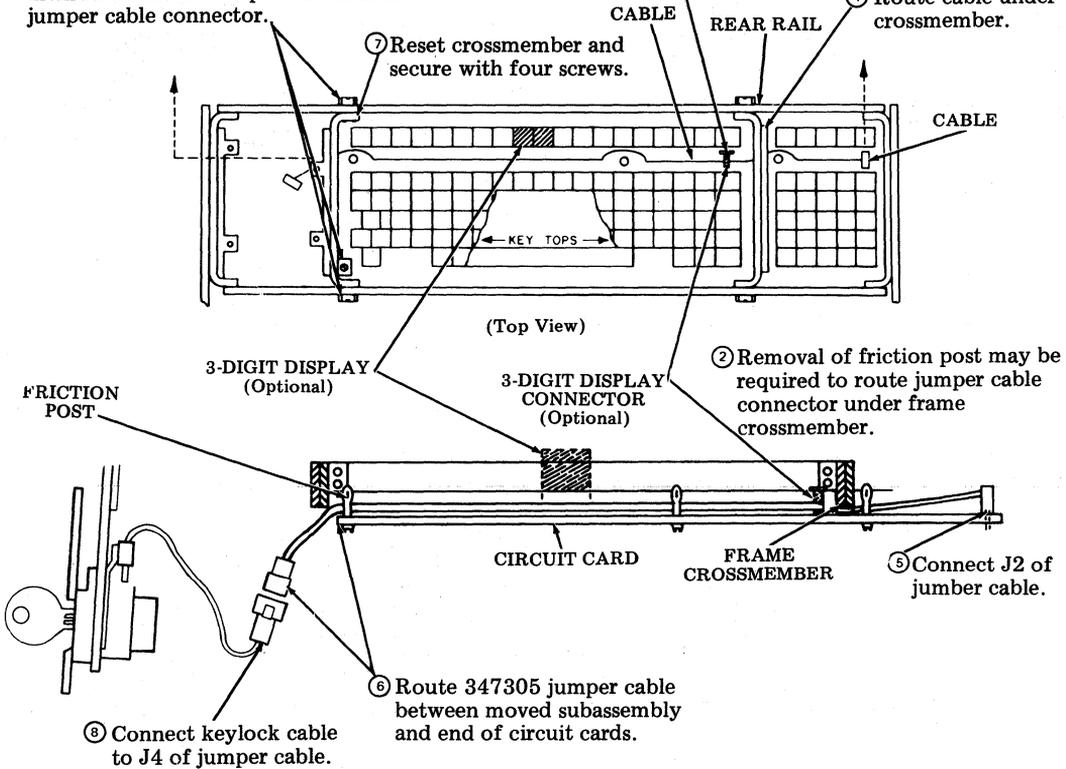
2.30 Installing 347305 jumper cable:

① Remove five mounting screws, two front, one at crossmember and two rear, move crossmember to the left to provide clearance for jumper cable connector.

③ Route jumper cable behind 3-digit display connector, when present.

④ Route cable under crossmember.

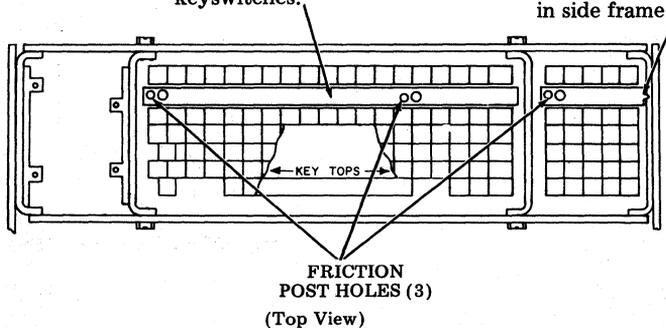
⑦ Reset crossmember and secure with four screws.



2.31 Installing MOS covers:

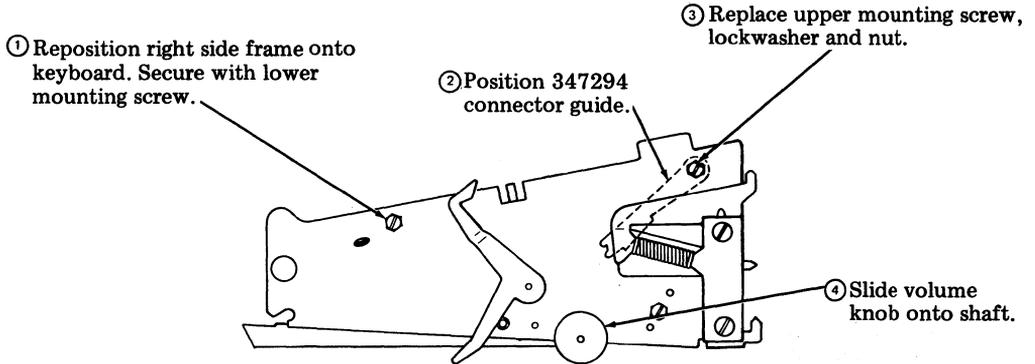
① Install large MOS cover so that projection bears against upper row of keyswitches.

③ Install short MOS cover so that tab engages hole in side frame.

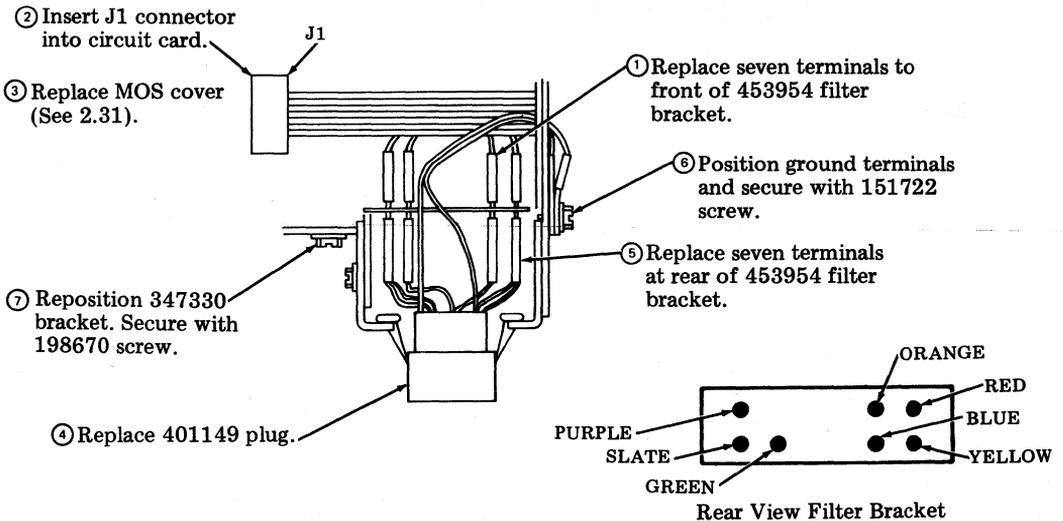


2.32 Replacement of right side frame:

**Warning:** Be careful when replacing the upper mounting screw. The lockwasher and nut may drop onto the circuit card.

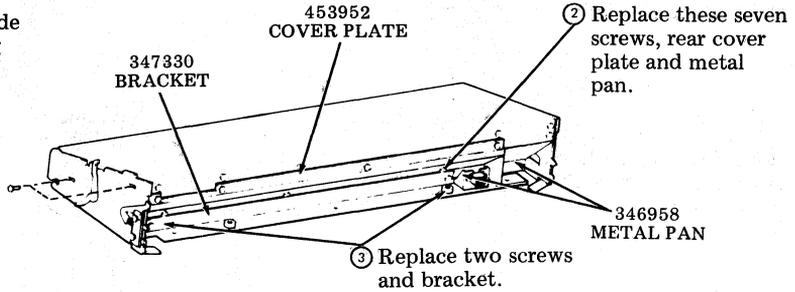


2.33 Replacement of SSI cable:



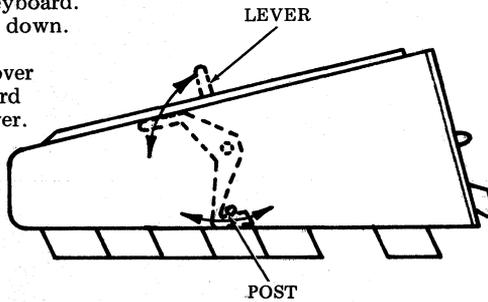
2.34 Replacement of covers:

- ① Check position of side frame and mounting screws.

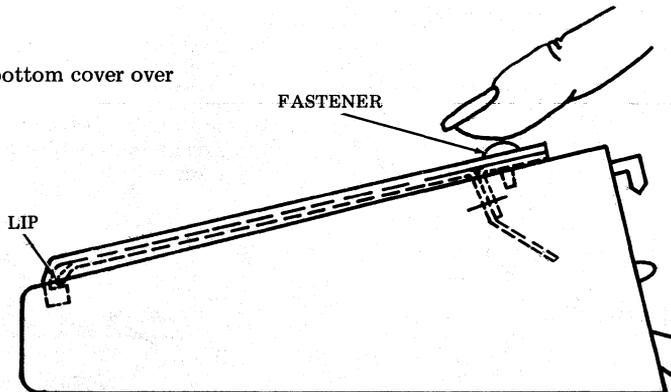


- ④ Position cover onto keyboard. Place keyboard upside down.

- ⑤ Swing left and right cover latching lever downward to engage posts on cover.



- ⑥ Reposition bottom cover over front lip.



- ⑦ Reinsert three 453959 fasteners by pressing into position.

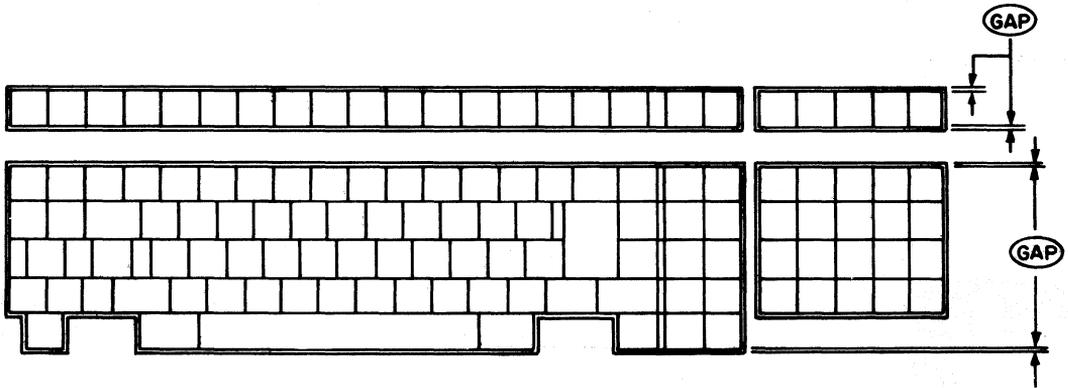
### 3. ADJUSTMENT

3.01 The clearance between the cover and keytop is the only adjustment provided on the KD. Normally, readjustment is not necessary unless the cover is replaced or if there is an interference between a keytop and the cover.

#### COVER TO KEYTOP ADJUSTMENT

##### Requirement

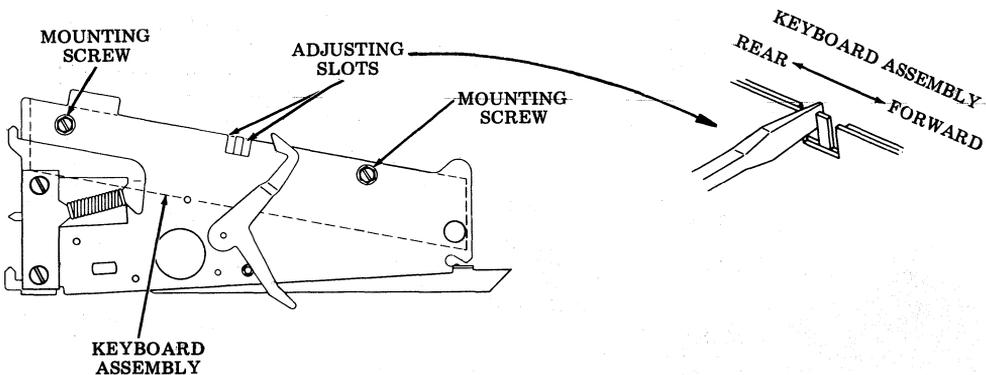
Gap, approximately equal in four places shown.



##### To Adjust

- Remove cover (2.09).

Loosen two 184056 mounting screws friction tight on both sides of opcon.

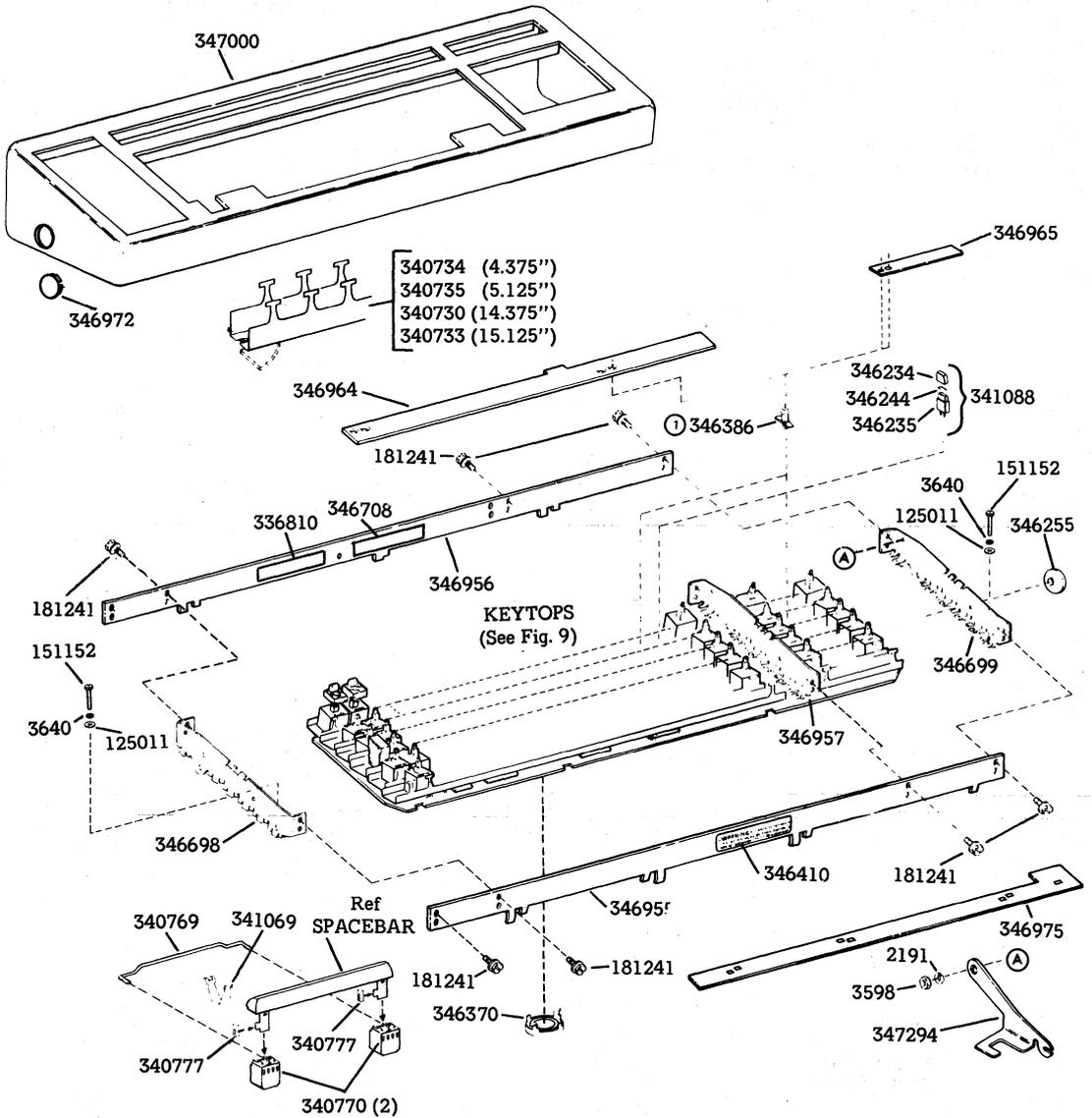


Insert screwdriver blade into adjusting slot and move keyboard assembly forward or to the rear to gain gap clearance.

Tighten screws, replace cover and check gaps.

*Note:* If gaps required are not approximately equal after reassembly, remove cover and repeat adjustment procedures.

4. PARTS



① Not part of 410097 circuit card.

Fig. 2-410097 Console Logic Circuit Card Components for 40K301

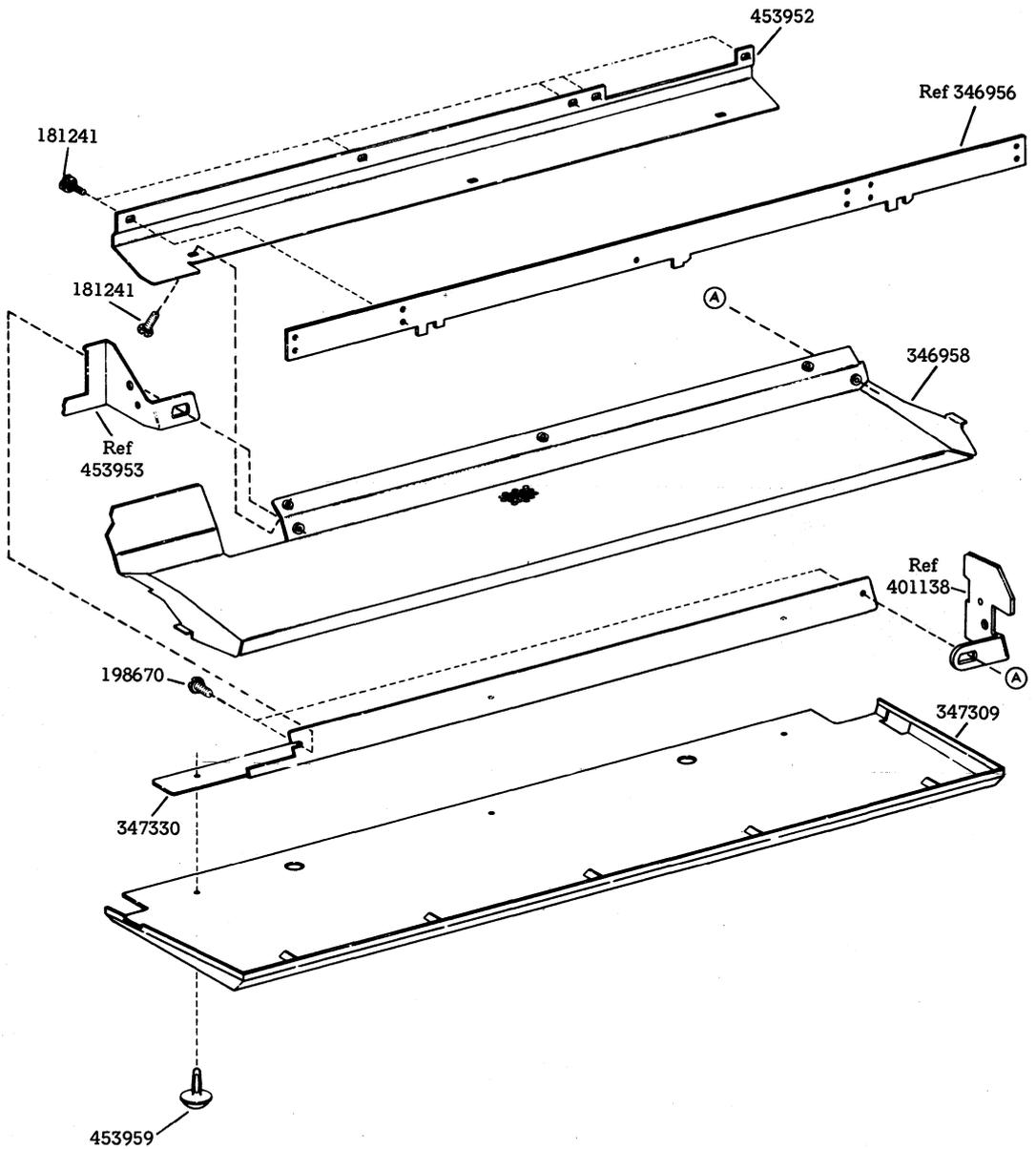


Fig. 3-Pans and Covers

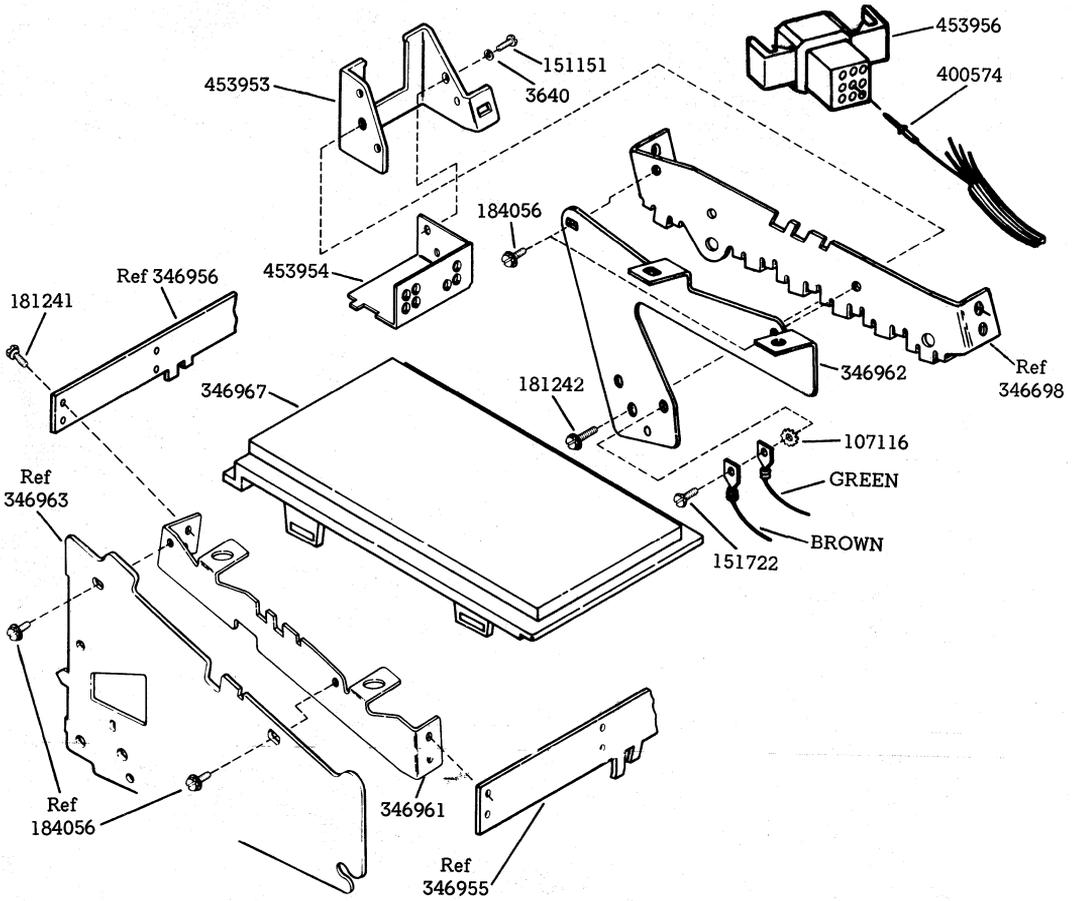


Fig. 4—Left Side Components

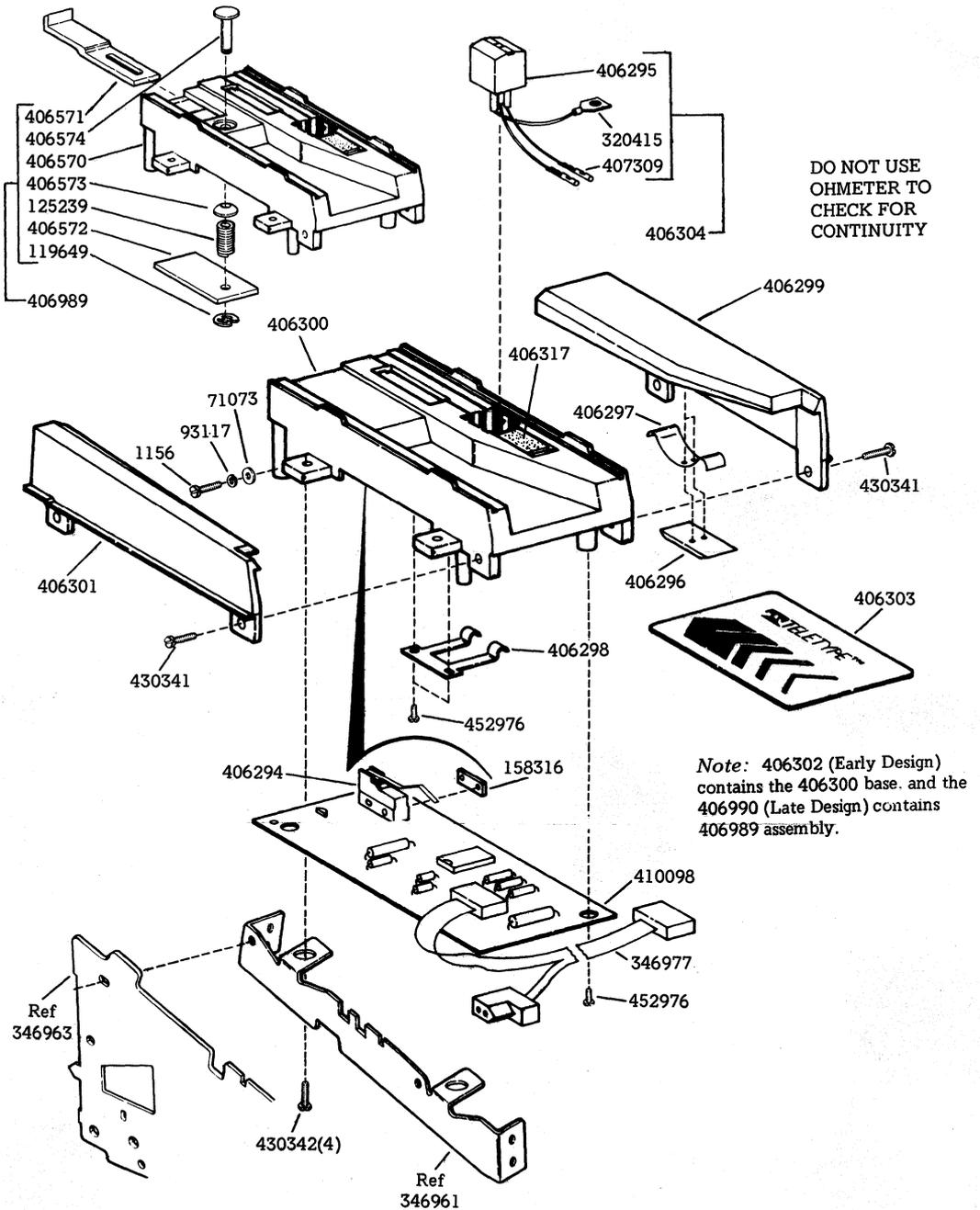
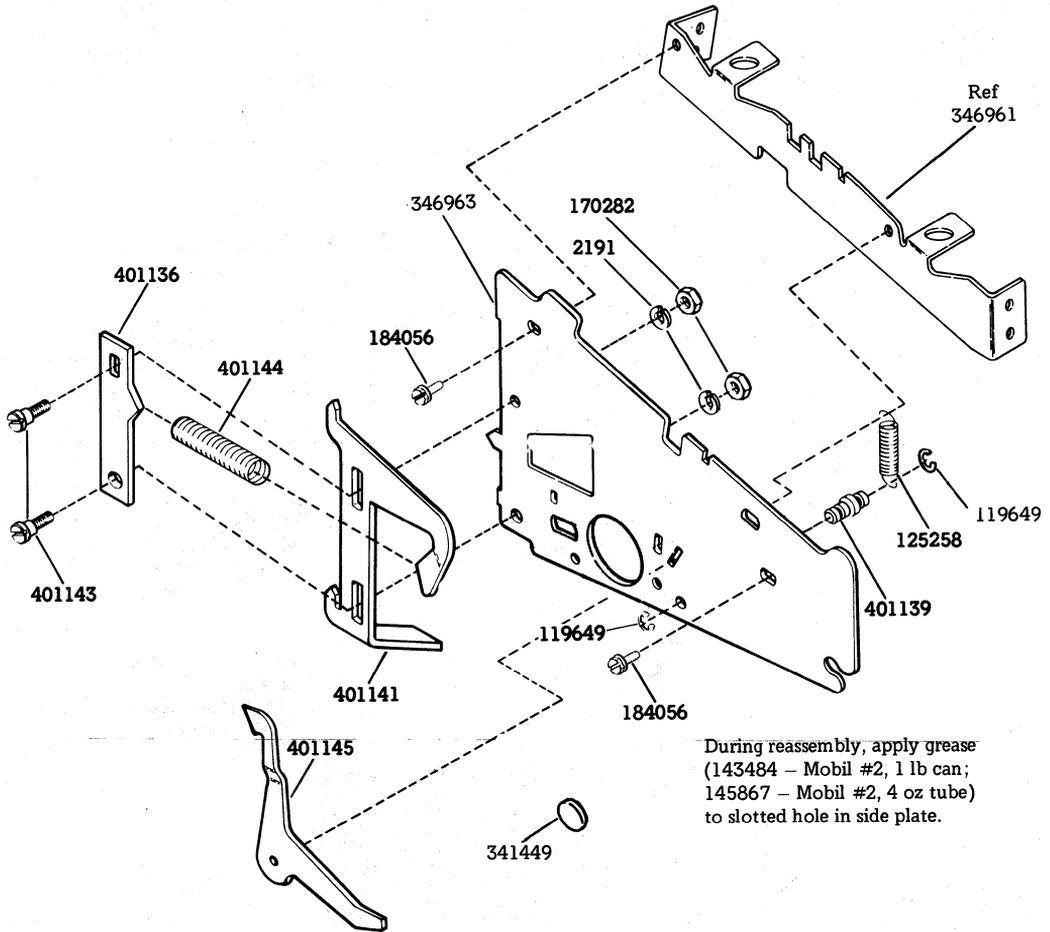
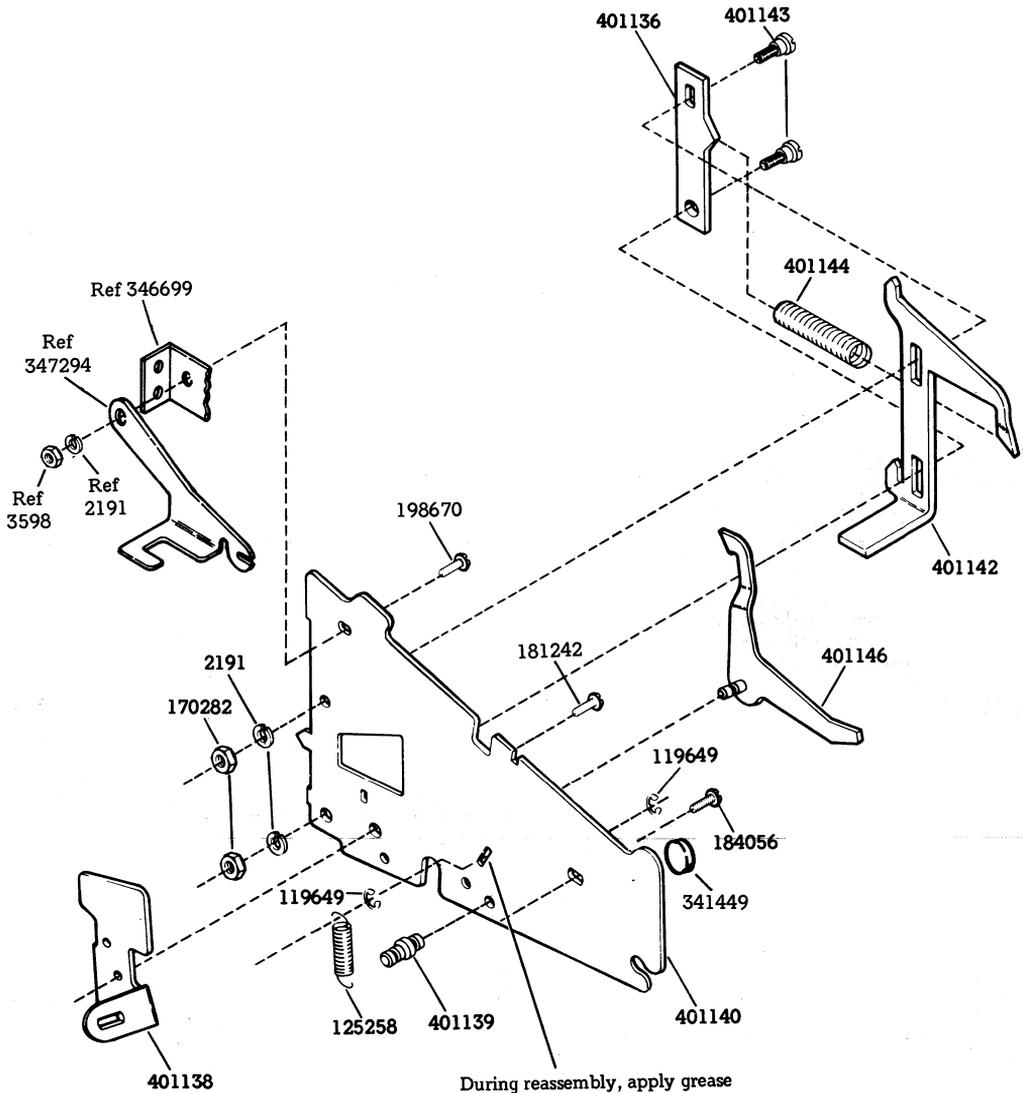


Fig. 5-406302 and 406990 Magnetic Stripe Reader Assemblies



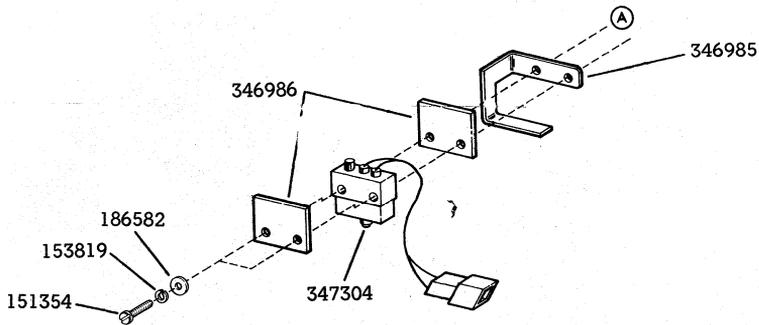
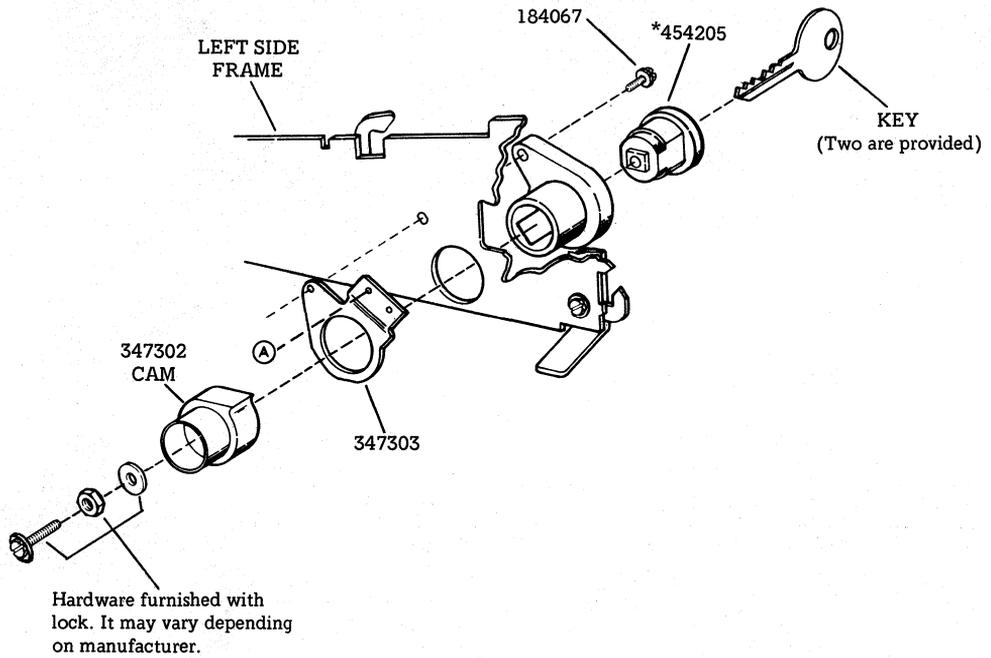
During reassembly, apply grease  
 (143484 - Mobil #2, 1 lb can;  
 145867 - Mobil #2, 4 oz tube)  
 to slotted hole in side plate.

Fig. 6 - Left Side Frame Mechanism



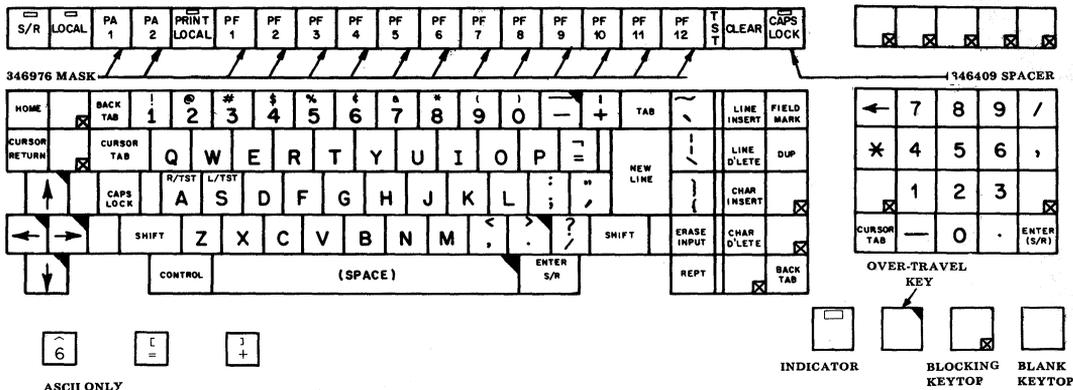
During reassembly, apply grease  
 (143484 - Mobil #2, 1 lb can;  
 145867 - Mobil #2, 4 oz tube)  
 to slotted hole in side plate.

Fig. 7-Right Side Frame Mechanism



\*Early kits may have 346983 lock instead of 454205 lock.

Fig. 8--347300 Keyed Locking Device Modification Kit

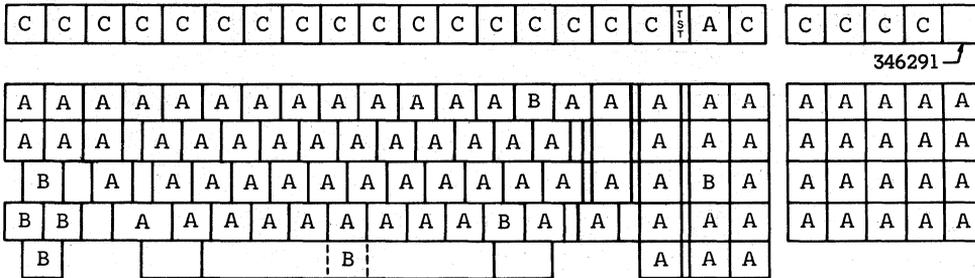


45K301/GAA KEYTOP LAYOUT (EBCDIC)

| PART NO. | KEYTOP DESCRIPTION | PART NO. | KEYTOP DESCRIPTION | PART NO. | KEYTOP DESCRIPTION |
|----------|--------------------|----------|--------------------|----------|--------------------|
| 340701   | BLOCKING (CONTROL) | 340908   | ERASE INPUT        | 346145   | PF1                |
| 340714   | BLOCKING (DATA)    | 340910   | R/TST A            | 346146   | PF2                |
| *340767  | NEW LINE           | 340911   | L/TST S            | 346147   | PF3                |
| 340778   | (SPACE)            | 340988   | REPT               | 346148   | PF4                |
| 340818   | HOME               | 340992   | ~                  | 346149   | PF5                |
| 340821   | ! 1                | 340993   | Q                  | 346150   | PF6                |
| 340822   | @ 2                | 340994   | W                  | 346151   | PF7                |
| 340823   | # 3                | 340995   | E                  | 346152   | PF8                |
| 340824   | \$ 4               | 340996   | R                  | 346153   | PF9                |
| 340825   | % 5                | 340997   | T                  | 346154   | PF10               |
| 340826†  | ^ 6                | 340998   | Y                  | 346155   | PF11               |
| 340827   | & 7                | 340999   | U                  | 346156   | PF12               |
| 340828   | * 8                | 341000   | I                  | 346456   | FIELD MARK         |
| 340829   | ( 9                | 341001   | O                  | 346558   | M                  |
| 340830   | ) 0                | 341002   | P                  | 346559   | J                  |
| 340831   | -                  | 341004   | \                  | 346560   | 1                  |
| 340835   | CURS RTRN          | 341005   | D                  | 346561   | 2                  |
| 340849   | LINE INSRT         | 341006   | F                  | 346562   | 3                  |
| 340850   | ↑                  | 341007   | G                  | 346563   | 4                  |
| 340861   | ;                  | 341008   | H                  | 346564   | 5                  |
| 340862   | ”                  | 341009   | K                  | 346565   | 6                  |
| 340863   | LINE DLETE         | 341010   | L                  | 346566   | 7                  |
| 340865   | ←                  | 341011   | }                  | 346567   | 8                  |
| 340866   | →                  | 341012   | Z                  | 346568   | 9                  |
| 340867   | SHIFT              | 341013   | X                  | 346569   | 0 (ZERO)           |
| 340875   | <                  | 341014   | C                  | 346570   | CURS LEFT          |
| 340876   | >                  | 341015   | V                  | 346574   | .                  |
| 340877   | ?                  | 341016   | B                  | 346582   | -                  |
| 340879   | ↓                  | 341017   | N                  | 346583   | ,                  |
| 340880   | CONTROL            | 341027   | 4 6                | 346586   | ENTER S/R          |
| 340881   | CHAR INSRT         | 341028   | +                  | 346862   | CAPS LOCK          |
| 340882   | CHAR DLETE         | 341029   | ⌋ =                | 347032   | 1                  |
| 340888   | TAB                | 346102   | LOCAL              | 347033   | *                  |
| 340889†  | ] +                | 346103   | S/R                | 347034   | CURS TAB           |
| 340890†  | [ =                | 346105   | PRINT LOCAL        | 347035   | ENTER S/R          |
| 340894   | CAPS LOCK          | 346114   | CLEAR              | 347036   | DUP                |
| 340898   | CURS TAB           | 346143   | PA1                | 347037   | BACK TAB           |
| 340907   | BACK TAB           | 346144   | PA2                |          |                    |

\*The 340764 compression spring between the 340767 keytop and the keyswitch housing must be ordered separately.  
 †ASCII only.

Fig. 9—Keytop Identification



| POS | KEYSWITCH NO. | TYPES     | PUSH ROD COLOR |
|-----|---------------|-----------|----------------|
| A   | 340720        | Basic     | White          |
| B   | 340721        | Repeat    | Green          |
| C   | 346359        | Indicator | Orange         |
| TST | 346235        | Lamp      | None           |

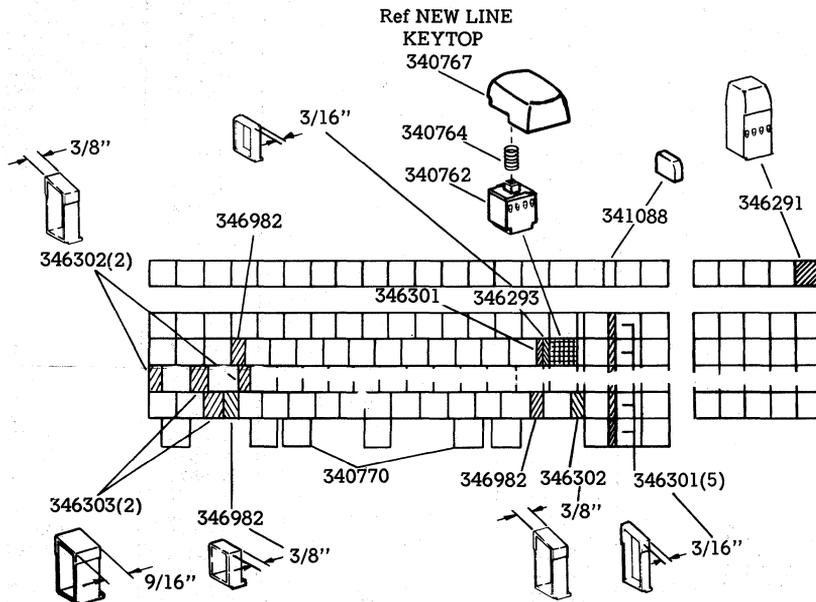


Fig. 11-410097 Circuit Card Keyswitch Channel Spacers

## NUMERICAL INDEX

*Note:* When ordering parts prefix each number with the letters "TP" unless specified otherwise.

| Part Number | Description and Page Number                   | Part Number | Description and Page Number     | Part Number | Description and Page Number |
|-------------|---|-------------|---------------------------------|-------------|-----------------------------|
| 1156        | Screw 2-56 x 9/16 Fil 21                      | 340849      | Keytop 25                       | 346302      | Spacer 26                   |
| 2191        | Lockwasher 18, 22, 23                         | 340850      | Keytop 25                       | 346303      | Spacer 26                   |
| 3598        | Nut, 6-40 Hex 18, 23                          | 340861      | Keytop 25                       | 346359      | Keyswitch 26                |
| 3640        | Lockwasher 18, 20                             | 340862      | Keytop 25                       | 346370      | Crystal Assembly 18         |
| 71073       | Washer, Flat 21                               | 340863      | Keytop 25                       | 346386      | Support 18                  |
| 93117       | Lockwasher 21                                 | 340865      | Keytop 25                       | 346409      | Spacer 25                   |
| 107116      | Lockwasher 20                                 | 340866      | Keytop 25                       | 346410      | Label, Warning 18           |
| 119649      | Ring, Retaining 22, 23                        | 340867      | Keytop 25                       | 346456      | Keytop 25                   |
| 125011      | Washer, Flat 18                               | 340875      | Keytop 25                       | 346558      |                             |
| 125258      | Spring 22, 23                                 | 340876      | Keytop 25                       |             | thru                        |
| 151151      | Cam sleeve 20                                 | 340877      | Keytop 25                       | 346570      | Keytop 25                   |
| 151152      | Screw, 4-40 x 3/16 Hex 18                     | 340879      |                                 | 346574      | Keytop 25                   |
| 151354      | Screw, 2-56 x 15/32 Fil 24                    |             | thru                            | 346582      | Keytop 25                   |
|             |   | 340882      | Keytop 25                       | 346583      | Keytop 25                   |
| 151722      | Screw, 6-40 x 3/16 Hex 20                     | 340888      | Keytop 25                       | 346586      | Keytop 25                   |
| 153819      | Lockwasher 24                                 | 340889      | Keytop 25                       | 346698      | Frame 18, 20                |
| 158316      | Plate, Nut 21                                 | 340890      | Keytop 25                       | 346699      | Frame 18, 23                |
| 170282      | Nut, 6-40 Hex 22, 23                          | 340894      | Keytop 25                       | 346708      | Plate, Identification 18    |
| 181241      | Screw w/Lockwasher, 6-40 x 1/4 Hex 18, 19, 20 | 340898      | Keytop 25                       | 346862      | Keytop 25                   |
|             |   | 340907      | Keytop 25                       | 346955      | Rail, Front 18, 20          |
| 181242      | Screw w/Lockwasher, 6-40 x 5/16 Hex 20        | 340908      | Keytop 25                       | 346956      | Rail, Rear 18, 19, 20       |
|             |   | 340910      | Keytop 25                       | 346957      | Frame 18                    |
| 184056      | Screw w/Lockwasher, 6-40 x 1/4 Hex 20, 22, 23 | 340911      | Keytop 25                       | 346958      | Pan 19                      |
|             |   | 340988      | Keytop 25                       | 346961      | Bracket, Left 20, 21, 22    |
| 184067      | Screw w/Lockwasher, 4-40 x 5/16 Hex 24        | 340992      |                                 | 346962      | Bracket, Right 20           |
|             |   |             | thru                            | 346963      | Plate 20, 21, 22            |
| 186582      | Washer, Flat 24                               | 341002      | Keytop 25                       | 346964      | Cover 18                    |
| 198670      | Screw w/Lockwasher, 6-40 x 5/16 Hex 19, 23    | 341004      |                                 | 346965      | Cover 18                    |
|             |   |             | thru                            | 346967      | Panel, Left 20              |
| 320415      | Terminal, Ring Type 21                        | 341017      | Keytop 25                       | 346972      | Plug 18                     |
| 336810      | Plate, Identification 18                      | 341027      | Keytop 25                       | 346975      | Shield 18                   |
| 340701      | Keytop 25                                     | 341028      | Keytop 25                       | 346976      | Mask 25                     |
| 340714      | Keytop 25, 26                                 | 341029      | Keytop 25                       | 346977      | Cable assembly 21           |
| 340720      | Keyswitch 26                                  | 341069      | Spring Leaf 18                  | 346982      | Spacer 26                   |
| 340721      | Keyswitch 26                                  | 341088      | Indicator Assembly, Test 18, 26 | 346985      | Actuator 24                 |
| 340730      | Channel 18                                    |             |                                 | 346986      | Insulator 24                |
| 340733      | Channel 18                                    | 341449      | Bumper, Rubber 22, 23           | 347000      | Cover 18                    |
| 340734      | Channel 18                                    | 346102      | Keytop 25                       | 347032      | Keytop 25                   |
| 340735      | Channel 18                                    | 346103      | Keytop 25                       | 347033      | Keytop 25                   |
| 340762      | Housing 26                                    | 346105      | Keytop 25                       | 347034      | Keytop 25                   |
| 340764      | Spring, Compression 26                        | 346114      | Keytop 25                       | 347035      | Keytop 25                   |
| 340767      | Keytop 25, 26                                 | 346143      |                                 | 347036      | Keytop 25                   |
| 340769      | Bail, Wire 18                                 |             | thru                            | 347037      | Keytop 25                   |
| 340770      | Guide 18, 26                                  | 346156      | Keytop 25                       | 347294      | Guide 18, 23                |
| 340777      | Bumper 18                                     | 346234      | Cap 18                          | 347302      | Cam 24                      |
| 340778      | Keytop 25                                     | 346235      | Housing 18, 26                  | 347303      | Bracket 24                  |
| 340818      | Keytop 25                                     | 346244      | Label 18                        | 347304      | Switch assembly 24          |
| 340821      |   | 346255      | Knob 18                         | 347309      | Cover 19                    |
|             | thru  | 346291      | Spacer 26                       | 347330      | Bracket 19                  |
| 340831      | Keytop 25                                     | 346293      | Spacer 26                       | 400574      | Terminal 20                 |
| 340835      | Keytop 25                                     | 346301      | Spacer 26                       | 401136      | Plate, Spring 22, 23        |
|             |   |             |                                 | 401138      | Bracket 19, 23              |

## SECTION 582-311-700

| Part Number | Description and Page Number            | Part Number | Description and Page Number | Part Number | Description and Page number |
|-------------|--|-------------|-----------------------------|-------------|-----------------------------|
| 401139      | Post, Spring 22, 23                    | 406296      | Pad 21                      | 430341      | Screw, Self-Tapping 21      |
| 401140      | Plate 23                               | 406297      | Spring 21                   |             |                             |
| 401141      | Latch, Left Plate 22                   | 406298      | Spring 21                   | 430342      | Screw, Self-Tapping 21      |
| 401142      | Latch, Right Plate 23                  | 406299      | Cover, Right 21             |             |                             |
| 401143      | Screw, 6-40 x 11/32<br>Shoulder 22, 23 | 406300      | Base 21                     | 452976      | Screw, Self-Tapping 21      |
| 401144      | Spring 22, 23                          | 406301      | Cover, Left 21              |             |                             |
| 401145      | Latch, Left Cover 22                   | 406303      | Card, Test 21               | 453952      | Plate, Rear Cover 19        |
| 401146      | Latch, Right Cover 23                  | 406304      | Head Assembly, Magnetic 21  | 453953      | Bracket 19, 20              |
| 406294      | Switch, Actuating 21                   | 406317      | Pad 21                      | 453954      | Bracket, Filter 20          |
| 406295      | Head w/Cable, Magnetic 21              | 407309      | Terminal 21                 | 453956      | Cable Assembly 18           |
|             |  | 410098      | Card, Circuit 21            | 453959      | Fastener 19                 |
|             |  |             |                             | 454205      | Lock 24                     |