

TECHNICAL PROCEDURES VOLUME SIX

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□ KEYBOARD

Exchanging the Keyboard

If you are exchanging the keyboard, **do not** remove the keyboard mechanism. Send in the entire unit for exchange (**without** the cable). Remove the keyboard mechanism **only** when you must replace a keyswitch.

Note: Various Apple DeskTop Bus keyboards may be used with the Macintosh SE. The procedures for opening other Apple DeskTop Bus keyboards are similar to the one below (for the Apple Keyboard).

Materials Required

Grounded workbench pad and wriststrap
Medium Phillips screwdriver

Removing the Keyboard Mechanism

To remove the keyboard mechanism:

1. Disconnect the keyboard from the Macintosh SE.
2. Remove the keyboard cable.
3. Place the keyboard on the grounded workbench pad and put on your grounding wriststrap.
4. Remove the three Phillips screws from the back of the keyboard and lift off the top plastic cover.

...Continued on next page

5. Before you remove the mechanical assembly from the bottom case, notice how the small breakaway boards (with the Apple DeskTop Bus connectors) fit into the upper corners of the bottom case (Figure 34, #1).

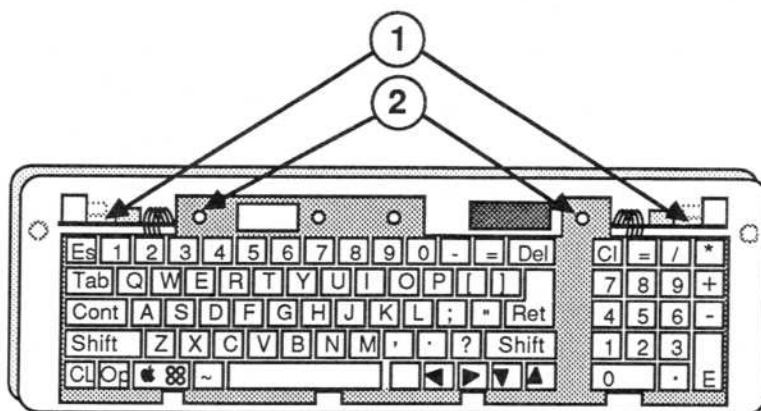


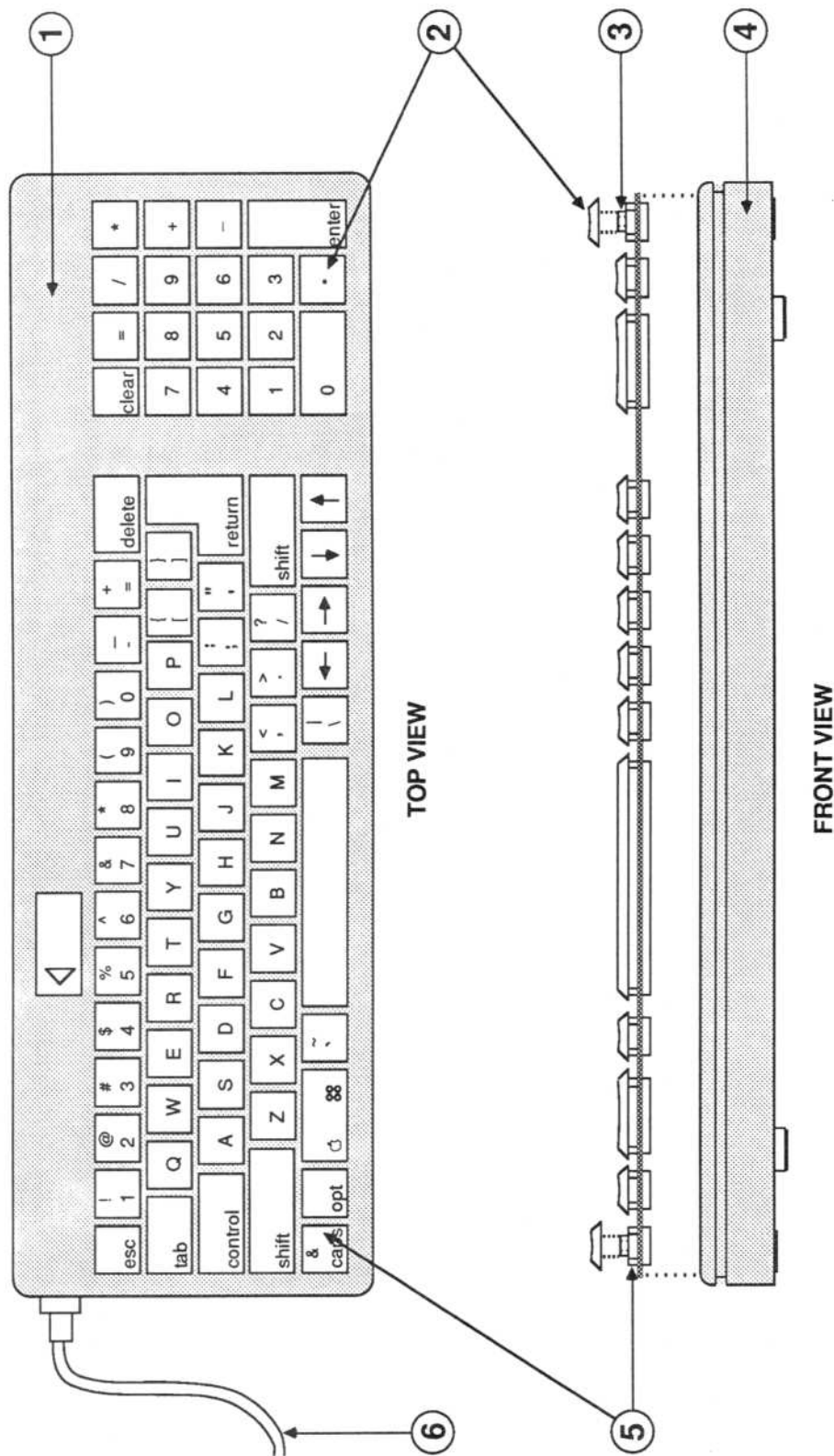
FIGURE 34

6. Lift the mechanical assembly out of the bottom case.
7. Use the replacement procedures for Apple DeskTop Bus keyboard keyswitches in *You Oughta Know*.

Replacing the Keyboard Mechanism

To replace the keyboard mechanism:

1. Place the mechanical assembly in the bottom case and slip the small breakaway boards into place vertically (Figure 34, #1).
2. Engage the top cover's teeth onto the front edge of the bottom cover, and fit the top cover's guide posts into the holes on the bottom cover (Figure 34, #2).
3. Hold the cover in place, turn the keyboard over, and install the three case screws.



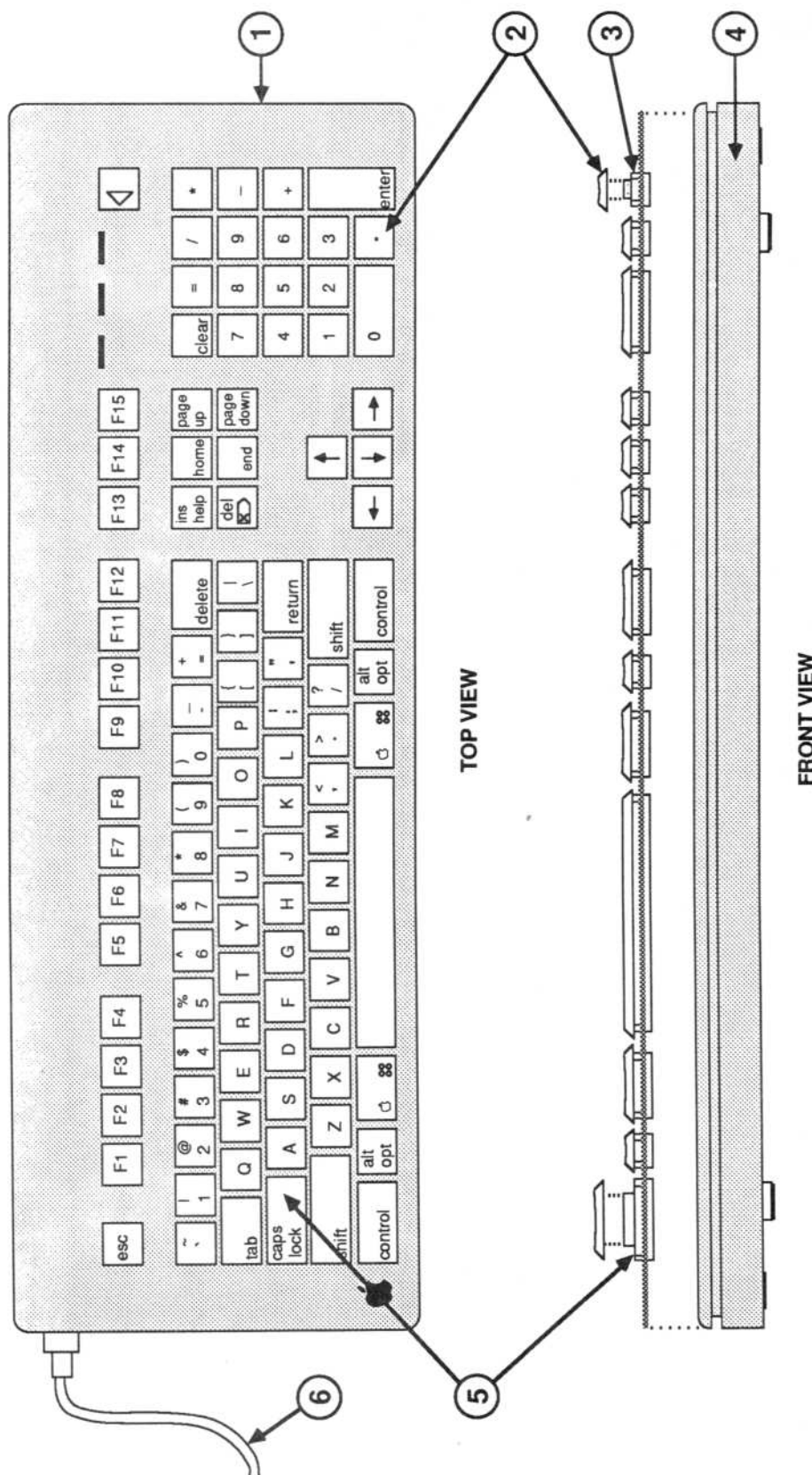
TOP VIEW

FRONT VIEW

FIGURE 9

□ MACINTOSH SE – KEYBOARD (Figure 9)

<u>Item</u>	<u>Part No.</u>	<u>Description</u>
-	661-0383	Apple Keyboard
1	815-1016	Top Case
2	658-7010	Key Cap Set
3	076-0209	Keyswitch Set
4	815-1017	Case Bottom
5	970-1263	Alps Locking Keyswitch
6	590-0361	Cable, Keyboard



TOP VIEW

FRONT VIEW

FIGURE 10

□ MACINTOSH SE – EXTENDED KEYBOARD (Figure 10)

<u>Item</u>	<u>Part No.</u>	<u>Description</u>
-	661-0384	Apple Extended Keyboard
1	815-1018	Top Case
2	658-7010	Key Cap Set
3	076-0209	Keyswitch Set
4	815-1019	Bottom Case
5	970-1263	Alps Locking Keyswitch
6	590-0361	Cable, Keyboard