

IN STORE SERVICE

SERVICING THE TIME COMPUTER/CALCULATOR

TROUBLE SHOOTING

PROBLEM: Display does not light when command button is pressed.

SOLUTION: Replace all four power cells. If problem remains, return the complete unit to the Lancaster Service Center.

PROBLEM: Power cells seem to wear out quickly.

SOLUTION: Advise the customer to be sure to press command button to return computer to timekeeping mode after using Calculator functions. If left in Calculator mode for an extended time, excessive battery drain will occur.

If the Calculator is worn while sleeping, the wearer may inadvertently activate the command button many times during the night. For this reason, wearing the Calculator to bed is not recommended.

PROBLEM: Time or date displays skip, or unusual displays appear when command button is pressed.

SOLUTION: On some Calculator models, the "S" (setting) key is located just above and to the right of the command button. If the command button and "S" key are inadvertently pressed at the same time, the month and hours may automatically cycle to 12, or a full array of digits may appear.

To remedy this condition, simply re-set the functions affected and re-cycle the computer back to normal operating mode in the usual manner.

PROBLEM: Missing LED segments.

SOLUTION: This condition sometimes occurs when the case back has been removed and replaced. To correct it, put Calculator in setting mode and cycle the hours and minutes (or month and date) to correct display, as indicated in the Power Cell Replacement section of this manual. If power cells are extremely weak, missing LED segments can also result. To remedy the condition in this event, just install fresh cells as indicated previously. If the problem remains, return the complete unit to the Lancaster Service Center.

PROBLEM: Computer is in calculating mode and will not accept calculations.

SOLUTION:

1. Calculator may be in overflow. Touch "C" key to clear.
2. A number or function key may be struck. Rotate the calculating tip of the Command Pen around the outer edge of each key, to make sure it is free and operating properly. In most instances, this will "pop" the key back to its correct position. If problem remains, return the complete unit to the Lancaster Service Center.

NOTE: Caution the wearer to use the special pen stylus provided. Other sharp instruments could cause damage.

PROBLEM: Excessive timekeeping gain or loss.

SOLUTION: Adjust Timing with the Pulsar Analyzer, as follows:

1. Remove case back and two **top** cells. (See Power Cell Replacement section of this manual for correct procedure.) Leave cells under L-shaped clamp in place — they power the oscillator and are the only ones needed for timing.
2. With case back removed, place Calculator face down on the Analyzer timing plate. Carefully insert the flat trimmer tool into the trimmer and rotate until the Analyzer meter is centered on zero.
3. Replace two top cells. Make sure case gasket is in place and replace case back. See Power Cell Replacement section of this manual for correct procedure.

NOTE: If the Calculator has received a severe shock, its quartz crystal may require adjustment beyond that possible with the Pulsar Analyzer. If further timing adjustment appears to be necessary, return the complete unit to the Lancaster Service Center.

