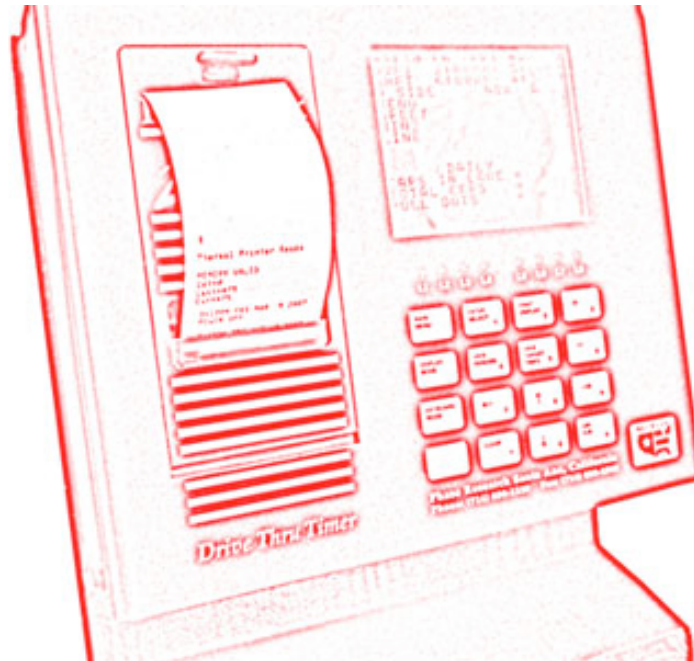
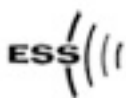


Engine Board Battery Replacement Manual



A Step-by-Step Illustrated Guide

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Fast Track 2+2® Engine Board Battery Replacement Procedure

ESS, Inc. -- 615-340-9033

This document will demonstrate how to replace the battery on the Engine Board in your **2000 Series** (*has front panel LCD display*) or **3000 Series** (*NO front panel display*) Fast Track timer.

In this procedure you will leave the Power applied to the timer. Touch only the places that we instruct you to touch.

Tools Needed:

None

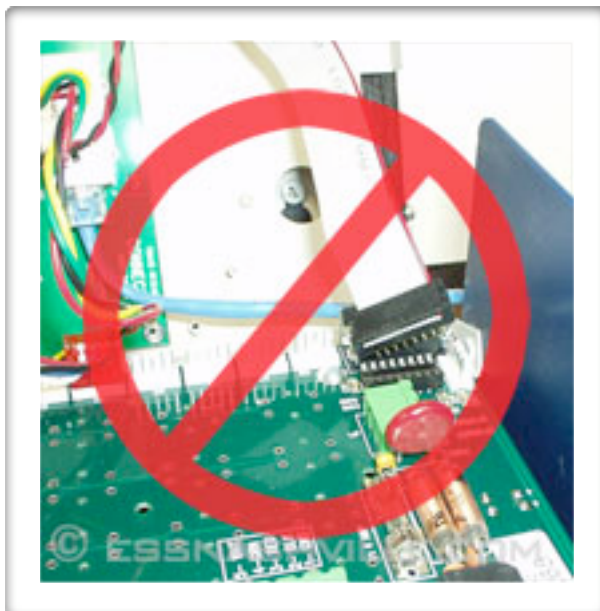
Power should be left ON for this procedure. Otherwise you will lose ALL Data and Setup information.

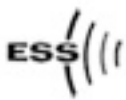
CAUTION

In this procedure you will be opening the Fast Track timer.

*Be **very careful** to support the front cover as it is lowered. **Do not** let it drop down all the way or the grey ribbon cable that connects the Main Board to the Ethernet Board could become disconnected.*

[Not all models will have the grey ribbon cable.]





Opening the Timer

Up to Four Thumbscrews per Side

If your timer has 2 or more thumbscrews on each side, as seen in this photo, remove them all EXCEPT for the bottom one on each side, closest to you (farthest from the wall).

The thumbscrews are loosened by turning them Counter-Clockwise (to the LEFT).

Gently pull on the top of the front cover, it should open similar to the door of an oven.



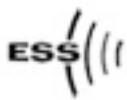
Two Thumbscrews per Side

If your timer has only 2 thumbscrews on each side as shown in this photo, remove or loosen the top one. Leave the bottom one, closest to you, attached but loosened slightly.

The thumbscrews are loosened by turning them Counter-Clockwise (to the LEFT).

Gently pull on the top of the front cover, it should open similar to the door of an oven.





Locating the Engine Board

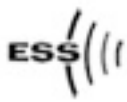


In this photo we see a few of the circuit boards that make up the Fast Track timer.



In this overlay we see that the Engine Board is towards the bottom (closest to you) and that it's riding piggy-back atop the Main Board.

[Not all models will have the Printer Board.]



Locating the Battery



The battery is located at the Top Right of the Engine Board. In most cases it will be yellow, although there are a handful of black ones out there.

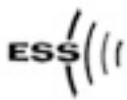
Removing the Old Battery



Remember, Power should be ON for this procedure. Otherwise you will lose ALL Data and Setup information.

Grasp the battery with your hand(s) and pop it off the chip.

Rocking it slightly back and forth might help to loosen it.



Fast Track 2+2® Engine Board Battery Replacement Procedure

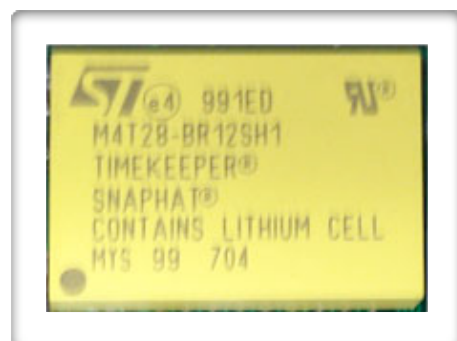
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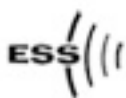
The bottom of the new battery, showing the 4 leads of the battery.



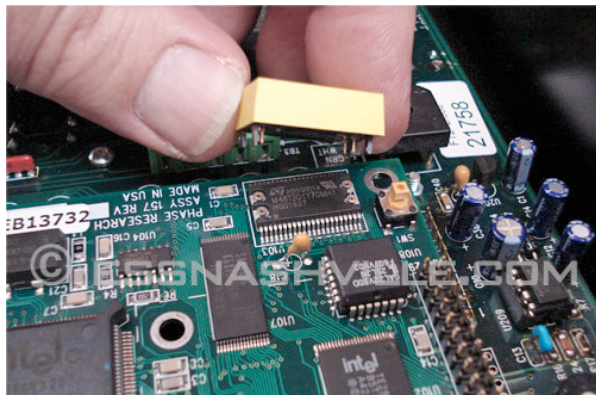
And here you can see the 4 battery sockets, where the leads of the battery go.



The top of the battery. Make sure the battery is oriented this way, with the text readable, when you install it. If it's upside-down it won't snap in.



Installing the New Battery



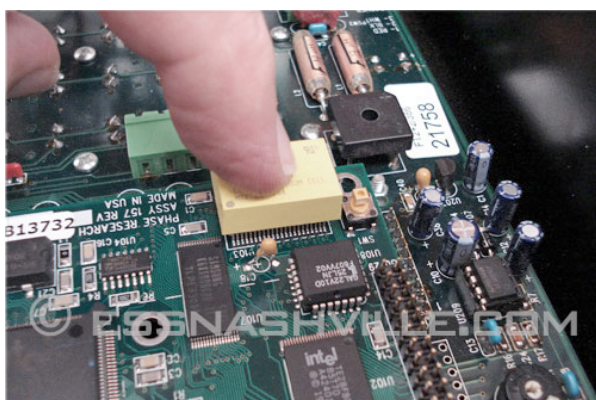
Align the battery with the 4 sockets and place it atop the chip.

Move the battery around on top of the chip until you're satisfied that the legs are aligned with the sockets and then Press down firmly on the battery.

You should hear and feel a distinct "pop" when it's seated.

Close the timer and re-apply Power. If your timer has a LCD screen on the front and you DON'T see a message stating that the battery needs to be replaced, then the procedure was a success.

End of Procedure.



Final Notes

Call Us with any questions.

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