

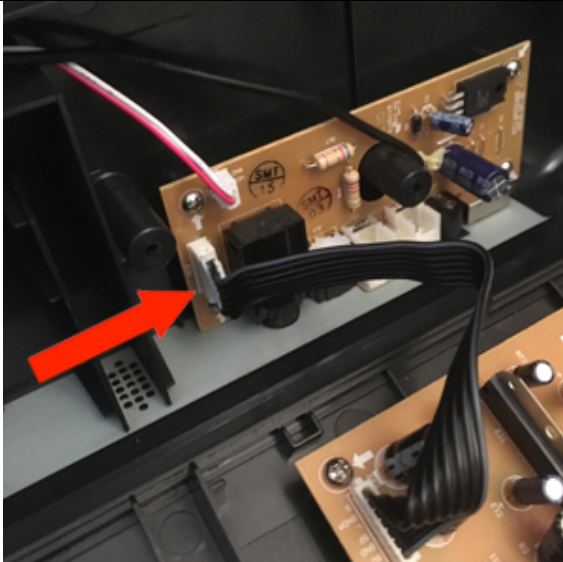


SS1 – PT01 Scratch Start Stop Button Kit Installation Guide

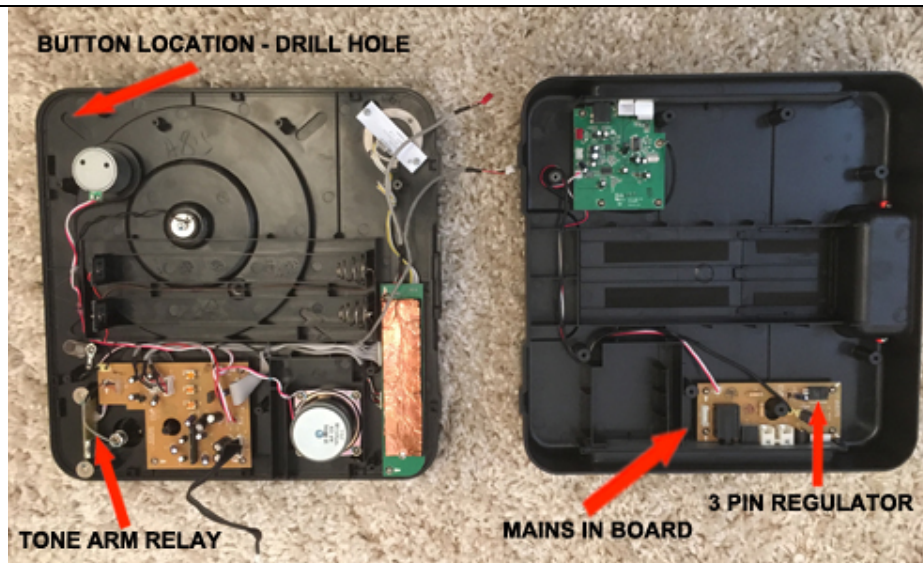
The kit should contain:

- x1 12V Latching Relay module and connector
- x1 4-32mm step drill bit
- SolderEasiTM prepared cable and button extension cable
- x1 30mm arcade button

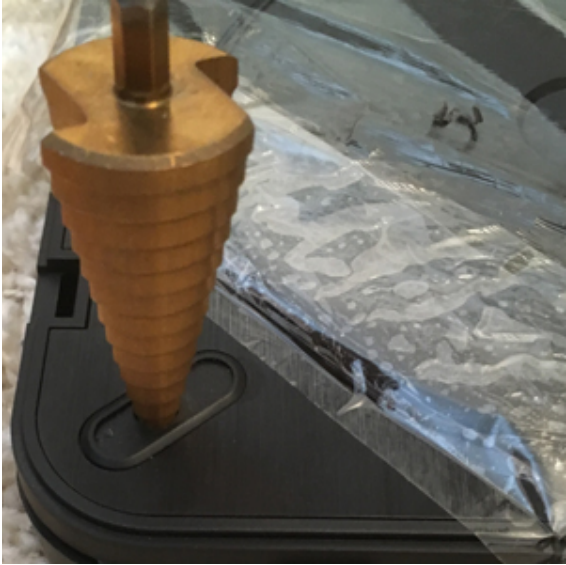

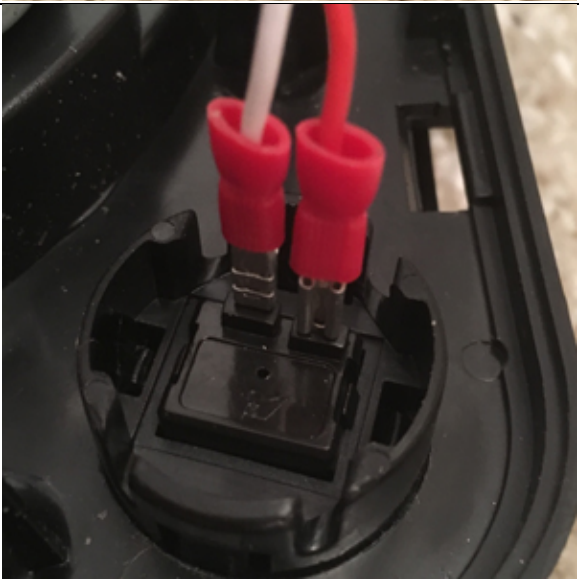
- 1** Ensure PT01 is powered off and not connected to the mains. With the top cover closed, turn over the PT01 and remove the 8 screws from the base. Gently lift the base up from one side and locate both the **USB Board** and **Mains In Board**. Disconnect the ribbon plug and 2 cables respectively.

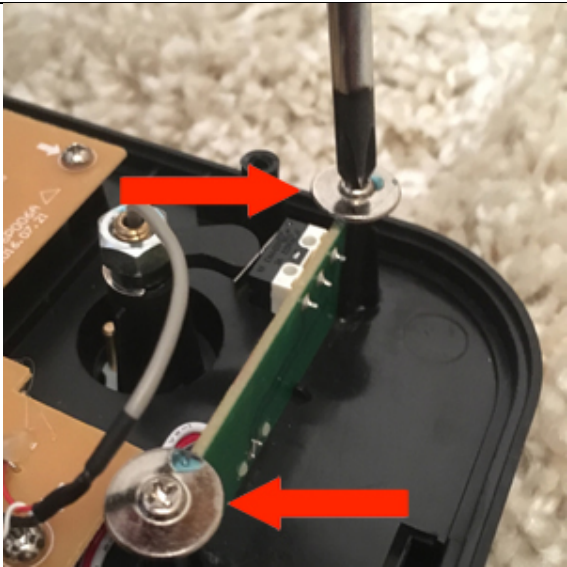
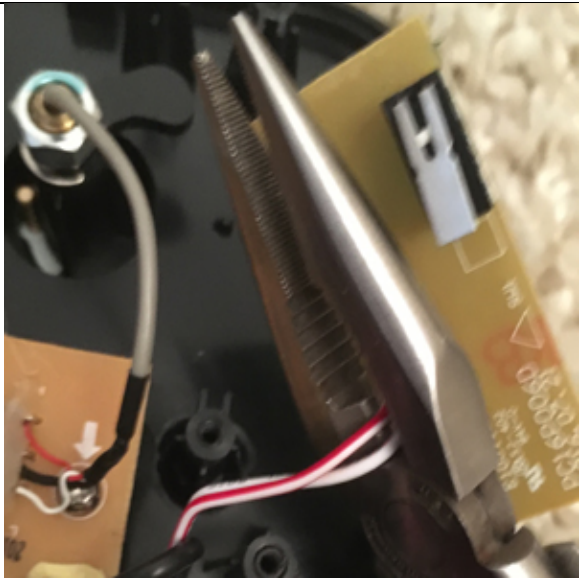
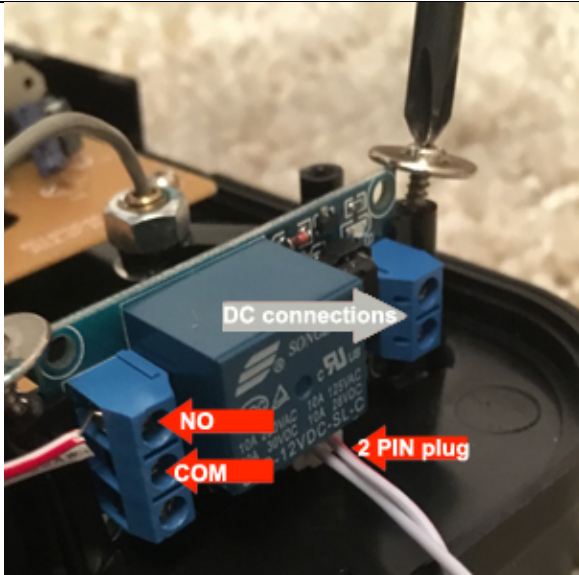
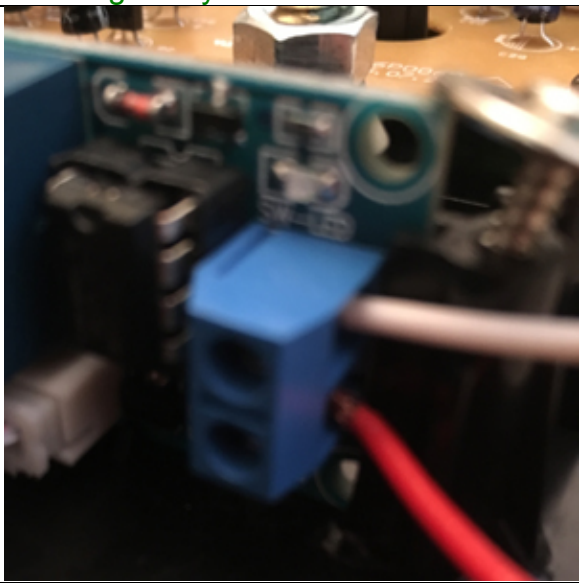


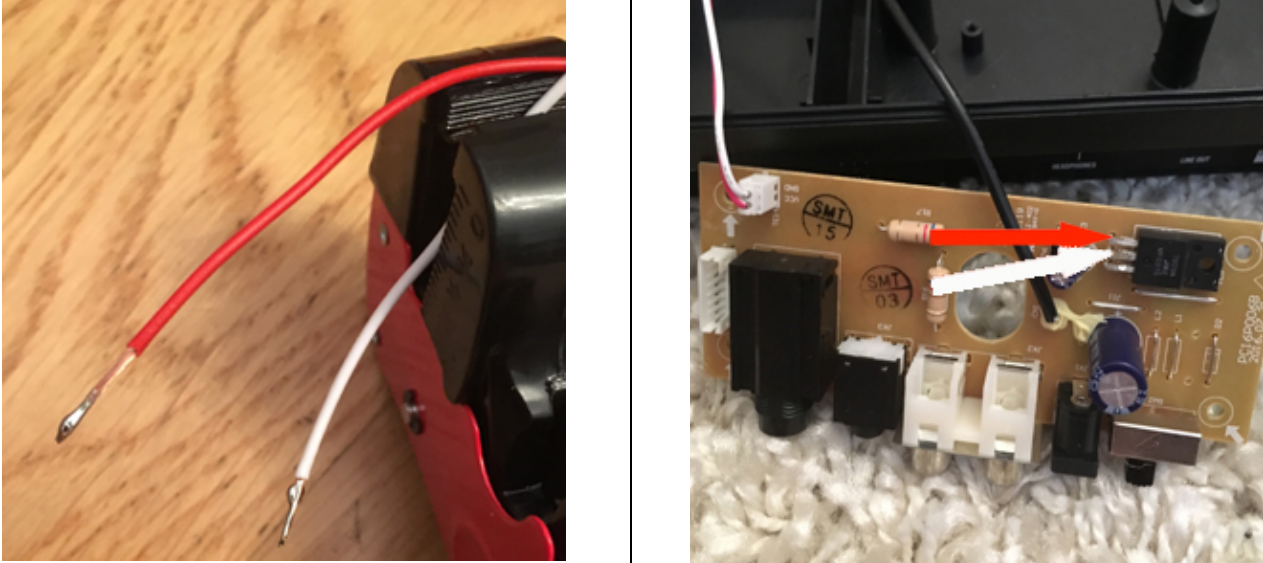
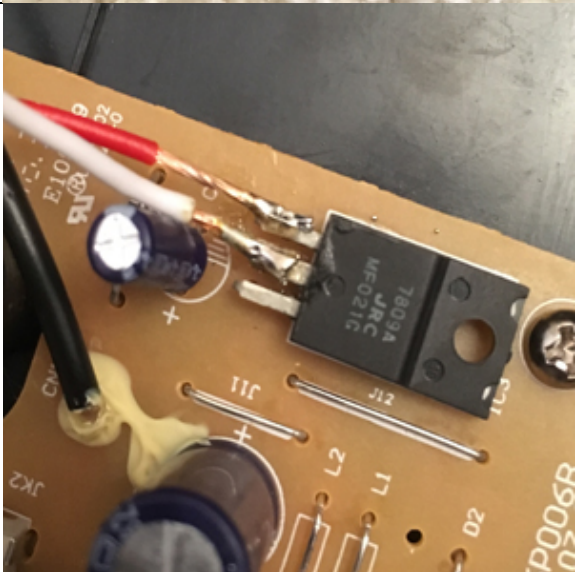
- 2** Separate the two sections and make note of the areas that will be worked on.



3	<p>Remove the top cover and place the turntable upside on top, in order to have a catchment area for plastic drilling debris. Ensure it is loose so when drilling, you are able to lift up the table top and to stop the drill bit continuing through the top cover.</p>	
4	<p>Use a small flathead screwdriver to help lift the felt from the side directly opposite from the cartridge and needle.</p>	
		
5	<p>Cover the rest of the table top with cling-film and tape it down to the table top section only. Use an all-purpose masonry drill bit to prime a hole for the step drill bit. Or, use a small drill bit to prime a hole and then a slightly larger one to increase the size of the hole.</p>	
6	<p>Once the priming hole is large enough for the step drill bit, start drilling slowly, with slight pressure through the table top. The required 30mm hole need will take you to the very last</p>	

	<p>'step' from the drill bit. During drilling, ensure the plastic debris is regularly removed in order to focus on a clear drilling area. <u>Most importantly</u>, help prop up the table top from the top cover and use your spare hand to continually lift the table top while the drill bit goes further down. Once the 30mm requirement is reached, clear up all the plastic debris with a Hoover.</p>	
		
7	<p>Push in the button from the table top side down into the hole. If the fit is too tight, then you may need to check that you have drilled to the required 30mm mark. Once the button is securely pushed down and locks, place both sections of the turntable side by side, as shown in Step 2. This time with the Tone Arm Relay and Mains In Board side by side. Then, attach the white taped cable extension crimps to the button connectors. The polarity does not matter.</p>	
8	<p>Unscrew the washer connectors from the Tone Arm Relay and lift out the relay from the posts. Cut the power TE5 connection from the relay, right up to the plug. Then, prepare the cable ends with a cable stripper, cable snips or a knife. You only need 0.5cm of bare copper wire showing. Once prepared, twist the wire ends – ready to connect.</p>	

		
9	<p>Plug in the 2 PIN plug cable supplied with the new Latching Relay into the relays plug. Using the newly prepared TE5 power connection from Step 8, connect the red cable into the Latching Relays 'NO' terminal and the white cable into the Latching Relays 'COM' terminal. Slide the Latching Relay into the same post slot assigned for the old Tone Arm Relay. Secure lightly with the washer screws to hold in place.</p>	
10	<p>Connect the Latching Relays 2 PIN plug cable open ends to the 'terminal connection block' from the white taped cable extension. It is good practice to connect the 'red to red' and the 'white to white'. The button is now connected to the Latching Relay.</p>	
11	<p>To provide power to the Latching Relay, connect the green taped cable to the Latching Relays DC connections/terminals. Ensure it is the open wire ends that are connected. Connect the white cable to the 'top' terminal and the red cable to the 'bottom' terminal of the extension.</p>	

12	Now its time to connect the SolderEasi TM cable ends to the 3 PIN regulator on the Mains In Board.
	 <p>The left photograph shows the two prepared ends of the SolderEasi cable, one red and one white, with their soldered tips. The right photograph shows the Mains In Board with a 3-pin regulator. A red arrow points to the middle pin of the regulator, and a white arrow points to the outside pin.</p>
13	<p>SolderEasiTM 😊</p> <p>Make sure the Mains In Board is flat and secure. Use the prepared solder end of the white cable and place it flush along the middle pin on the 3 PIN regulator. Once the soldering iron is at peak heat, press it down on the cable end and apply light pressure. As soon as you hear 'crackling', then you know it has made a connection. Quickly withdraw the soldering iron. Make sure no solder flux has bridged across or underneath the pin(s). Then, repeat the process with the red cable and place it flush along the outside pin.</p>  <p>The photograph shows a close-up of the 3-pin regulator on the Mains In Board. The white cable is connected to the middle pin, and the red cable is connected to the outside pin. The regulator is labeled '7809A JMC MF021C'.</p>
14	<p>Now tidy up the cabling with either tape or hot glue. Make sure you have access to the split connectors on the green taped cable, this will allow you to disconnect the Latching Relay if you need to separate your turntable sections again, similar to Step 1. Now, put it back together by repeating Step 1 in reverse.</p>
Practice Yo! Mods	