
DC Power Supply fitting instructions

for Technics SL1200 & 1210MKII



Tools you will need – Soldering iron and solder, small slotted screwdriver, wire cutters and wire strippers, Pliers. Phillips screwdriver.

Kit Contents:

External power supply

12v AC wallwart OR Upgrade transformer

160mm SHORT lead (for internal wiring)

DC lead with barrel connector on one end (for connecting to power supply)

Double terminal block

Cable tie

Tools you will need:

Soldering iron and solder

Small slotted screwdriver

Wire cutters

Wire strippers

Pliers

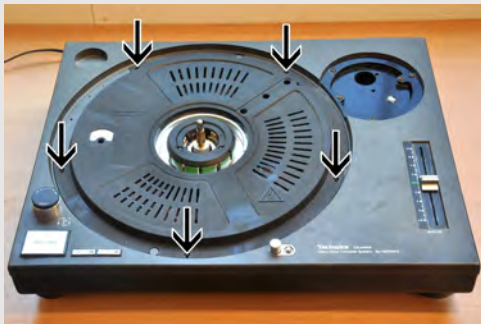
Phillips screwdriver

Fitting Instructions

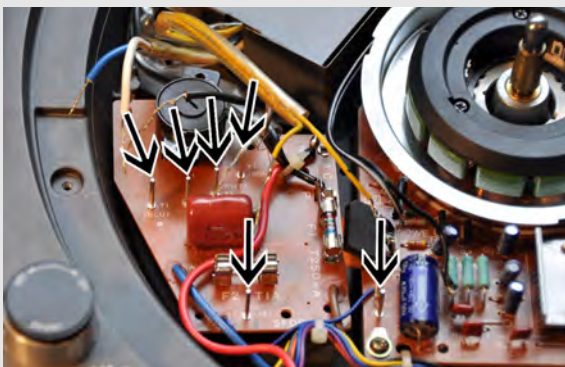


1. To avoid potentially lethal electric shock, disconnect the deck from the mains by pulling out the Technics deck plug from your wall socket. Then remove the mains plug entirely to avoid accidentally plugging it in. This is essential for safety reasons.

Remove platter mat and platter by gently lifting up using the two holes in the platter for grip.



2. Unscrew and remove the five cross-head screws shown with arrows in photo. Then remove the top cover of the unit to reveal the main motor control board.



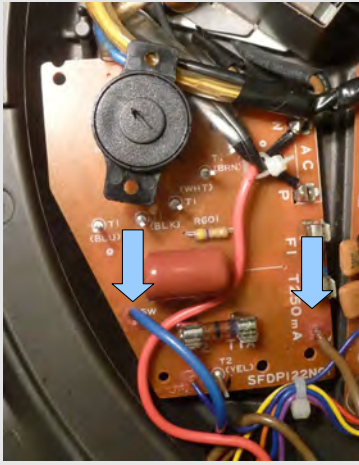
3. The large transformer towards the top left of the deck is connected to both circuit boards via black, brown, white, blue and two yellow wires. Disconnect them from the points shown by unraveling the wire.

The transformer can be reconnected by reversing this operation if required in the future. This **must** be carried out by a qualified electrician due to the mains level voltages.



4. To safeguard the circuit, cover all bare ends of wires with insulating tape and stow away from the transformer.

Alternatively you can remove the transformer entirely by unscrewing the three brass screws around the perimeter. This is the best option for sound quality reasons – as the transformer can rattle in micro-vibration.

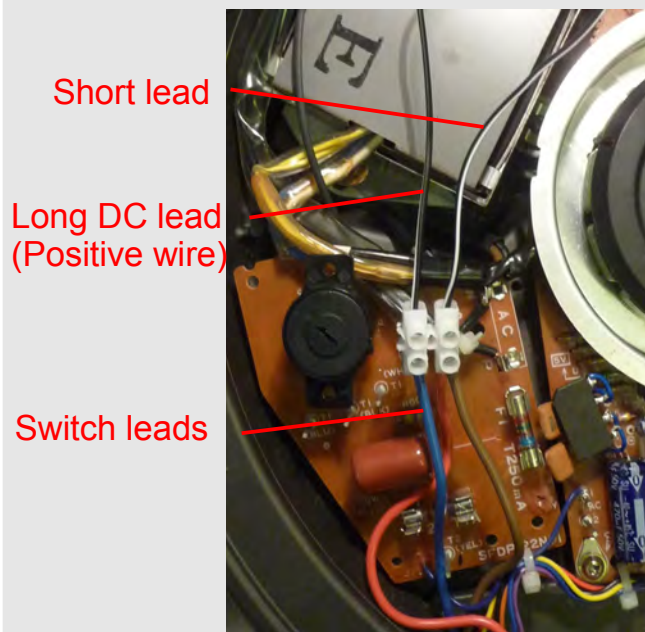


5. On the transformer circuitboard disconnect the two wires shown. The colours of these vary between generations, so yours may not match the image. Each cable should be marked “SW” (for switch) on the board. These can be either desoldered from the underside or cut close to the board and then 6mm stripped off the end.



6. If the DC lead has a grommet attached, simply cut this off, then feed the long DC lead of the Origin Live power supply from underneath the turntable up through the hole located towards the rear of the unit.

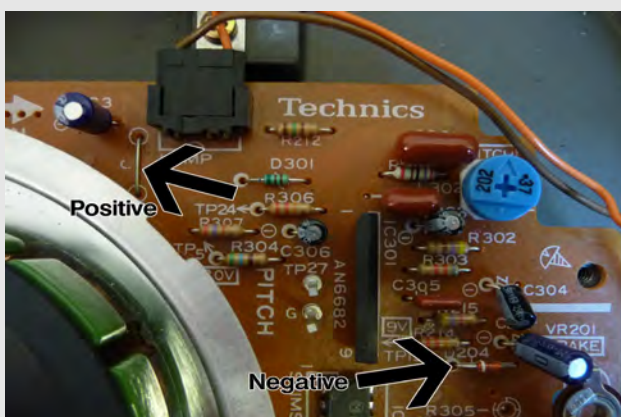
Tie a simple overhand knot approx 6 inches (150mm) from the wire end to prevent the cable being pulled back out of the deck through the hole.



7. Connect the supplied terminal block to the disconnected switch leads.

Connect the positive wire of the DC lead (white stripe) to the opposite side of the terminal block.

Connect the SHORT lead to the same side as the DC lead. It does not matter which way round the DC and SHORT lead are.

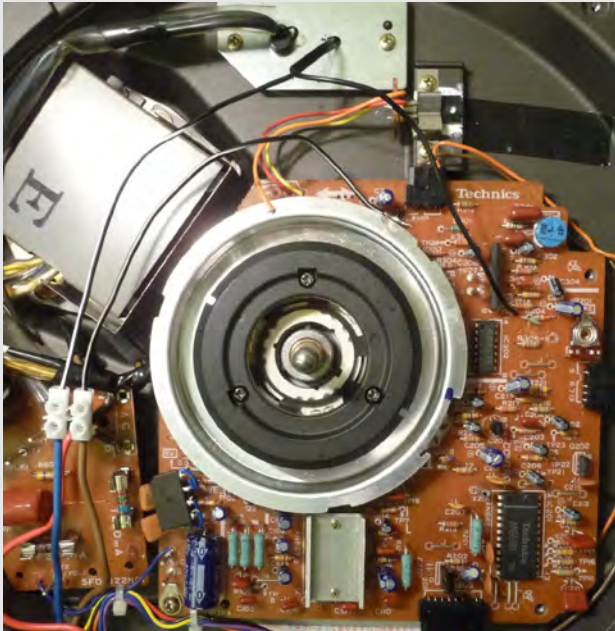


8. Solder the other end of the SHORT lead to the **wire link labeled J**. This is marked **positive** in the image.

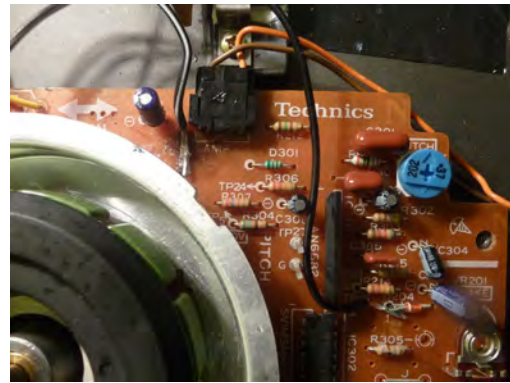
Solder the DC lead **negative** (all black) wire to the left hand side of **diode D204**.

If your board is different to the one shown please contact us.

Completed image over page.



Photograph showing the wires after soldering in place.



Close up of soldered joints.



9. Using the supplied tie, secure the wires at this point. Also ensure that the DC leads going to the terminal block are pushed down clear of the revolving platter.

Power in To turntable



10. Replace the platter and platter mat. It is better not to replace the internal cover as this can induce microvibrations and audibly degrade the sound.

Plug the Origin Live wall wart (or upgrade transformer) into a mains socket and connect it to the power supply (box with LED). Then connect the DC lead from the turntable into the power supply.

Power up the deck and ensure that you have rotation of the platter. Press stop and take note of the stopping motion. If it stops perfectly without reversing or slowly spinning then you may skip steps 11 and 12.

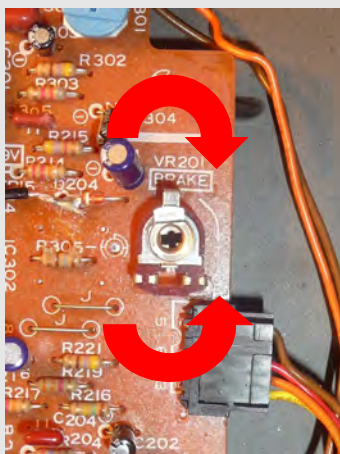


11. As the turntable has a new supply the electronic brake must be calibrated accordingly.

Disconnect the power from the turntable and remove the platter and platter mat to get access to the circuitboard. Locate the adjustment potentiometer as shown in the image.

It will be labeled "BRAKE".

More brake



Less brake

12. If the platter when stopped did not slow to a complete stop then turn the brake adjustment clockwise to increase the brake power

Or, if the platter stopped and then proceeded to go in reverse the brake is overcompensating – so turn the dial anticlockwise.

Repeat steps 10-12 until it has a satisfactory stopping motion.



13. Refit the top cover of the unit ensuring that the new DC lead is carefully tucked in underneath and does not foul the platter or moving parts.

Refit the platter and platter mat.

Your deck is now ready to use.

Do not use the power supply for anything other than the Technics deck.
The circuit will take around 30 hours to run in and sound it's best.

We wish you many hours of enjoying your increased level of listening pleasure.