

Installation Note for Rancilio Lucy

Version 1.0 (October 2021)

This document can provide some additional information for users who want to install Auber's Rancilio Silvia pre-infusion kit (KIT-RSPb) to a Rancilio's Miss Lucy home espresso machine (Figure 1). Rancilio Lucy is quite similar to Rancilio's Miss Silvia, however, the wiring and color code are different, which can create confusion when installing the pre-infusion PID kit. Please follow the "KIT-RSPb Installation guide" as the main installation guide, and only use this document as a supplementary note.



Figure 1. The pre-infusion kit KIT-RSPb can be installed on a Rancilio Lucy.

Overview

Overall, you'll notice a few differences between a Rancilio Lucy and a Rancilio Silvia when installing a KIT-RSPb kit.

- A) Wire color on the power button.
- B) Wiring on the brew (coffee) button and how to tap the green pump-control wire.
- C) Placement of the solid-state relay (SSR).
- D) Wire color on the brew thermostat and the steam thermostat.

In the image below (Figure 2), you can see the wires attached to the power button, brew button, brew (coffee) thermostat, and the steam thermostat.

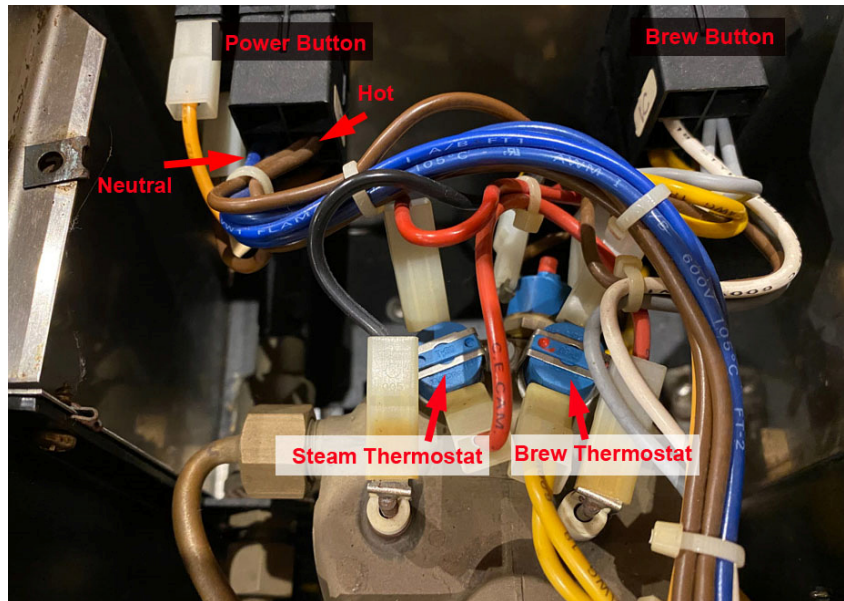


Figure 2. Identify the parts in a Rancilio Lucy.

A. Tapping Wires to the Power Button

The brown wire from the KIT-RSPb is for tapping the neutral wire, should be connected to the tab where the double-blue cable is. The black wire from the kit is for tapping the hot wire, should be connected to the tab where the double-brown cable is. Please see Figure 3 for the finished wiring.

B. Tapping the Pump-Control Wire to the Brew Button

If we look at the Rancilio Lucy from the front, the brew button in Lucy is located on the top-left corner. The green pump-control wire from the kit should be connected to this double-gray cable after it is unplugged from the brew button. Please see Figure 3 for the finished wiring.

C. Placement of the Solid-State Relay

Rancilio Lucy is slightly taller and bigger. If the PID controller is going to be placed on the top of the Lucy as shown in Figure 1, the wires in KIT-RSPb are not long enough to reach the top of the boiler if the solid-state relay (SSR) is placed on the bottom (base) of Lucy. So, it is suggested that the SSR to be mounted on the side wall directly underneath the boiler. You'll have to drill a hole for the mounting screw. Please see the image in Figure 4 for the suggested location pointed by the red arrow.

D. Unplugging wires from thermostats and connect them to the solid-state relay (SSR)

This step is basically the same as in Rancilio Silvia, just be aware of the difference in the wire color. The location of the brew thermostat and the steam thermostat are the same between Lucy and Silvia. The brew thermostat has a red dot on it.

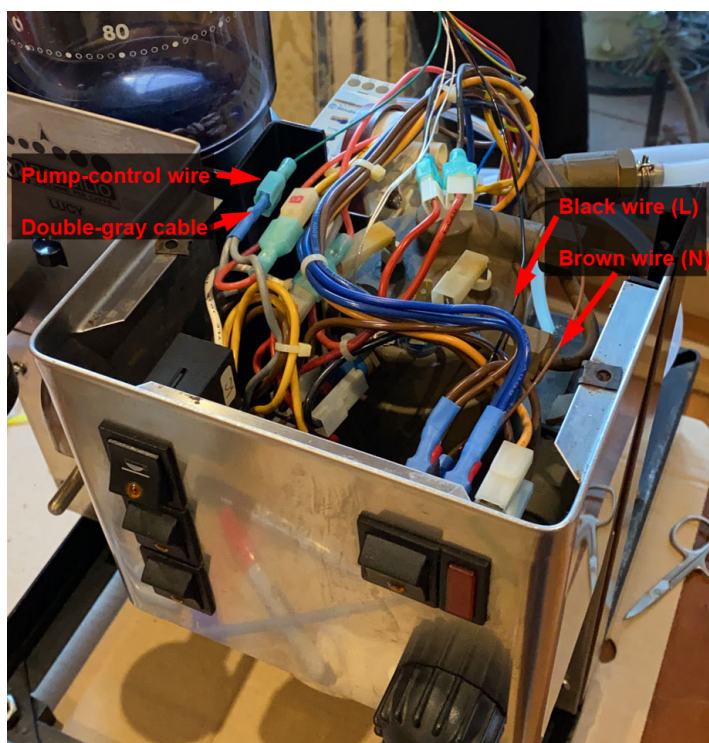


Figure 3. Final wiring.

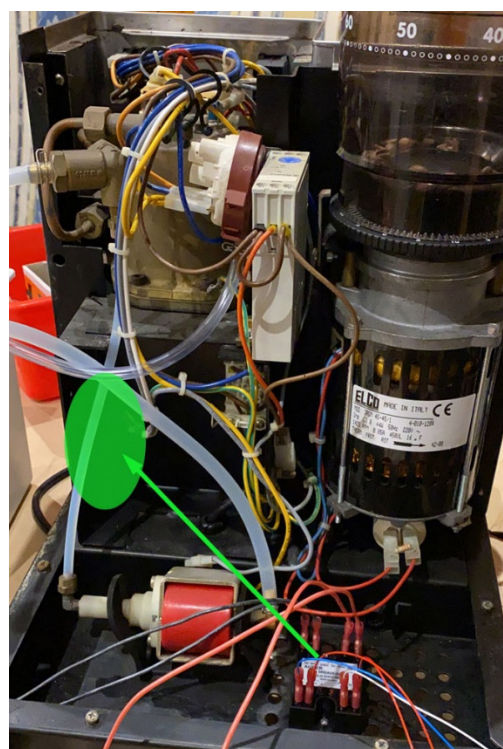


Figure 4. Mount the SSR to the shaded green area. A hole needs to be drilled on the side wall for the mounting screw.

(End)

Acknowledgement

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