

Installation guide and instruction manual for Kirk Coffee Machine model 17073 (6C; 12C / 12V; 24V)

Congratulations with your new coffee machine.

Before you start using the machine it is important that you read this guide thoroughly to make sure that the machine is installed correct and can be used safely.

Installation guide

To gain full advantage of your coffee machine we recommend that the machine is installed by trained personnel.

The coffee machine is designed to be mounted against a wall or similar solid object. It is secured by screws through the 4 holes of the rear plate of the machine.

The coffee machine is not to be placed unsecured on a shelf or other horizontal base.

The coffee machine must not be mounted in locations where it can cause injuries to driver or passengers in case of accidents or emergency situations.

The coffee machine installation must not affect the function of the air back of the vehicle.

The cigar lighter plug of most vehicles does not allow electrical current exceeding 8 Ampere. It is important to follow the installation instructions below:

1. The red or grey wire from the coffee machine must be connected to the starter motor, starter relay or the positive pole of the battery (see section 4).
2. The black or blue/grey wire has to be connected to the engine block, vehicle chassis or the negative pole of the battery.
3. Measure the total wire length of the connections between the coffee machine and supply points. Both the positive and negative wires must be included in the total length.
4. It is important that the wire size is used to suit the current and length of the connections.
Use the table below:

Wire length:	24V, 500W, 21A	12V, 350W, 29A
0-6 m	6 mm ²	10 mm ²
6-10 m	10 mm ²	16 mm ²
10-13 m	16 mm ²	16 mm ²

5. The positive connection to must be fused. (Do not use fuse holders for porcelain fuses as these could give excessive voltage drops and heat generation that could cause malfunctioning and fire.
6. Use a 40 Ampere fuse in 12 Volt systems and a 30 Ampere fuse in 24 Volt systems.

User guide

Before first use:

Clean the coffee machine with water before the first use.

Brewing:

1. Add the required amount of water into the clear water reservoir.
2. Place the steel container in the hole of the base and insert the filter holder into the container with the opening and serving tip aligned.
3. Place a filter into the holder and add ground coffee. (The KM6-2 uses filter type 102 and KM12-2 uses type 1X4)
4. Close the lid and turn on the machine by pressing the start button shortly. A short beep will confirm the start and the indicator light will become red.
5. The brewing time will be 1½ to 2 minutes per cup of coffee at 24 Volt and 2½ to 3 minutes at 12 Volt.
6. When finished the remaining water in the heater will vaporize. For a short time this generates noise and steam.
7. The coffee machine will indicate the finished brewing cycle by a longer beep and a green indicator light.

Important!

- Leave the machine turned off for some minutes before pouring new water into the water reservoir.
- Use clean and fresh water only.
- Do not fill the water reservoir above the maximum capacity of the coffee machine.
- Never lift the lid during the brewing process.

- Remove the filter from the filter holder before pouring coffee from the steel container.
- The heating element in the base of the coffee machine is hot while it is switched on. Do not touch this.
- Turn off the machine after use. For your safety the coffee machine will turn off automatically after 1 hour.
- The machine must be decalcified regularly. Use a proven decalcification aid and follow its instructions carefully.
- The coffee machine can be cleaned with a damp cloth. Never immerse the base unit into water.

Timer function:

This coffee machine has an auto start function. It is then possible to delay the brewing start by up to 12 hours.

1. The timer is activated by turning on and holding the on/off button for more than 2 seconds.
2. The indicator becomes yellow and will flash.
3. Press again shortly on the button to increase the number of hours of the delay.
4. The indicator will show the chosen number of hours by short flashes between longer pauses.
5. When finished with the setting, the indicator will stop flashing and by constant yellow light show that the timer countdown has started.
6. The timer start function can be cancelled by a 2 second activation of the start/stop button.

Calcification alarm:

The coffee machine has an automatic calcium built-up alarm to warn for possible reduced function.

If the indicator flashes red after the brewing cycle then the machine should be decalcified.

The alarm is reset by turning off the machine.

If requested it is possible to disable the calcification alarm permanently by

holding the button for 10 seconds while the machine is turned on.

Error alarm:

If the indicator is red and makes 2 short flashes then another error is present. It is properly caused by low supply voltage.

The alarm is reset by pressing the on/off button.

The same alarm indication can also be caused by an internal error in the coffee machine. In this case the coffee machine must be repaired.