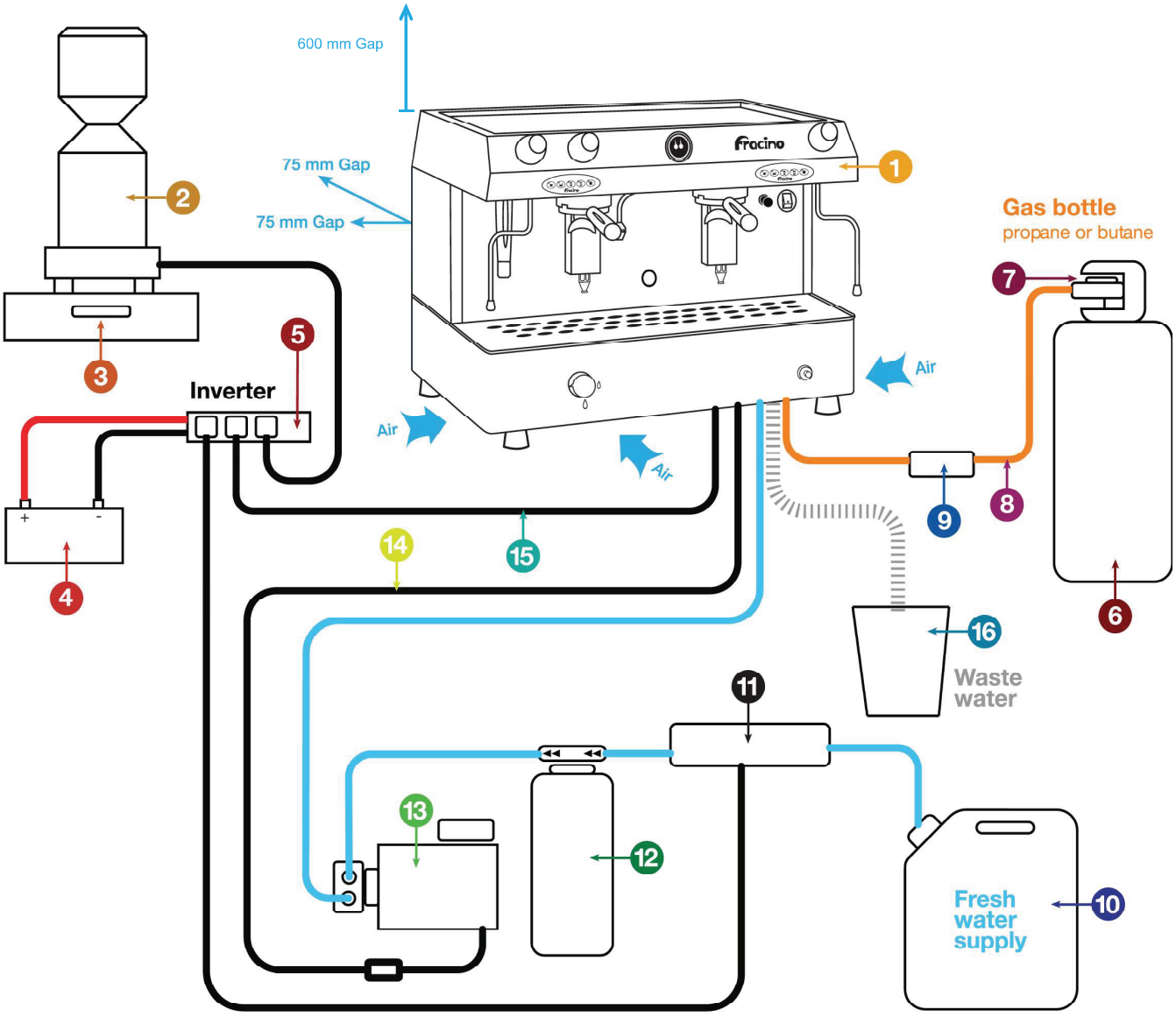
Installation
Overview Gas Machines



1 Coffee Machine.

2 Grinder

3 Knock-out drawer

4 12v battery (mobile installations only)

5 DC-AC Power inverter (mobile installations only)

6 Gas bottle -butane or propane (mobile installations only)

7 Pressure regulator (28mBar - Butane, 37mBar -Propane)

8 High pressure gas hose

9 1/4" BSP Fulham nozzle

10 Fresh water tank (mobile installations only)

11 Bottle water pump (mobile installations only)

12 Water softener (DSU)/inline filter if required.

13 High pressure water pump

14 Power supply for high pressure pump (thin 3 core cable)

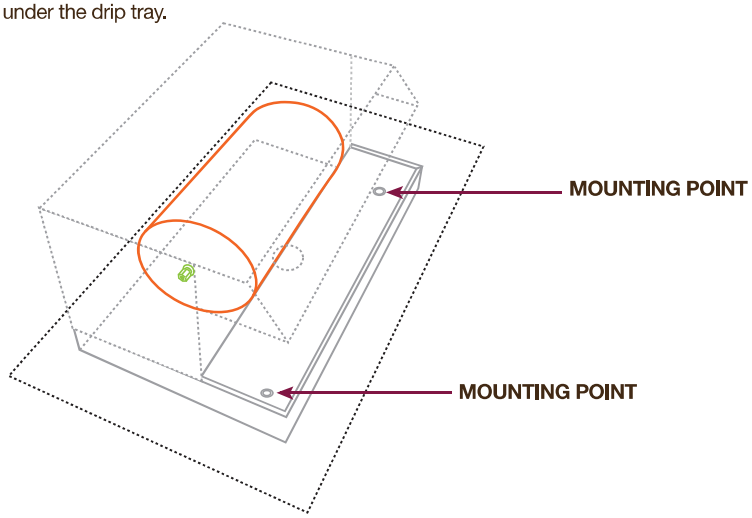
15 13amp power supply for coffee machines (thick 3 core cable)

16 Waste water container

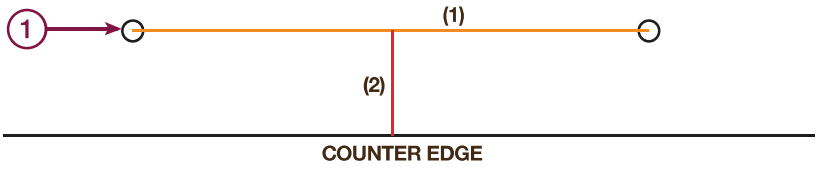
Warning: appliance must not be installed on or against any combustible surface.
Warning: air supply must not be blocked at any time.
Warning: adequate clearance must be left around the appliance, as shown above.

Ⓓ Preparing the area for installation GAS

For mobile installation the appliance must be securely bolted to a stable counter top, there are two fixing points incorporated into the chassis of the appliances, these are located under the drip tray.



1) Drill 2 holes with a 11mm drill in positions shown below:



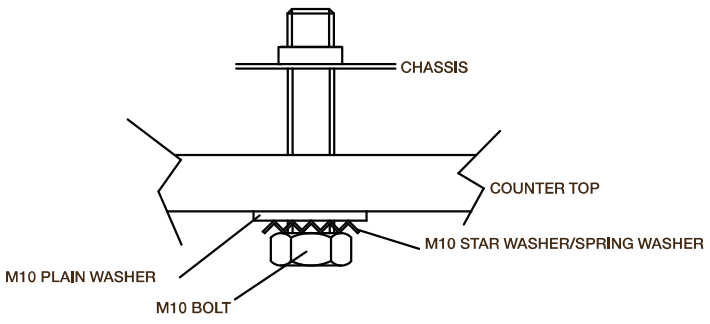
All Gas Machines (excluding Retro)

No. of Groups	Dimension (1)	Dimension (2)
1	279mm	100mm Min.
2	482mm	100mm Min.

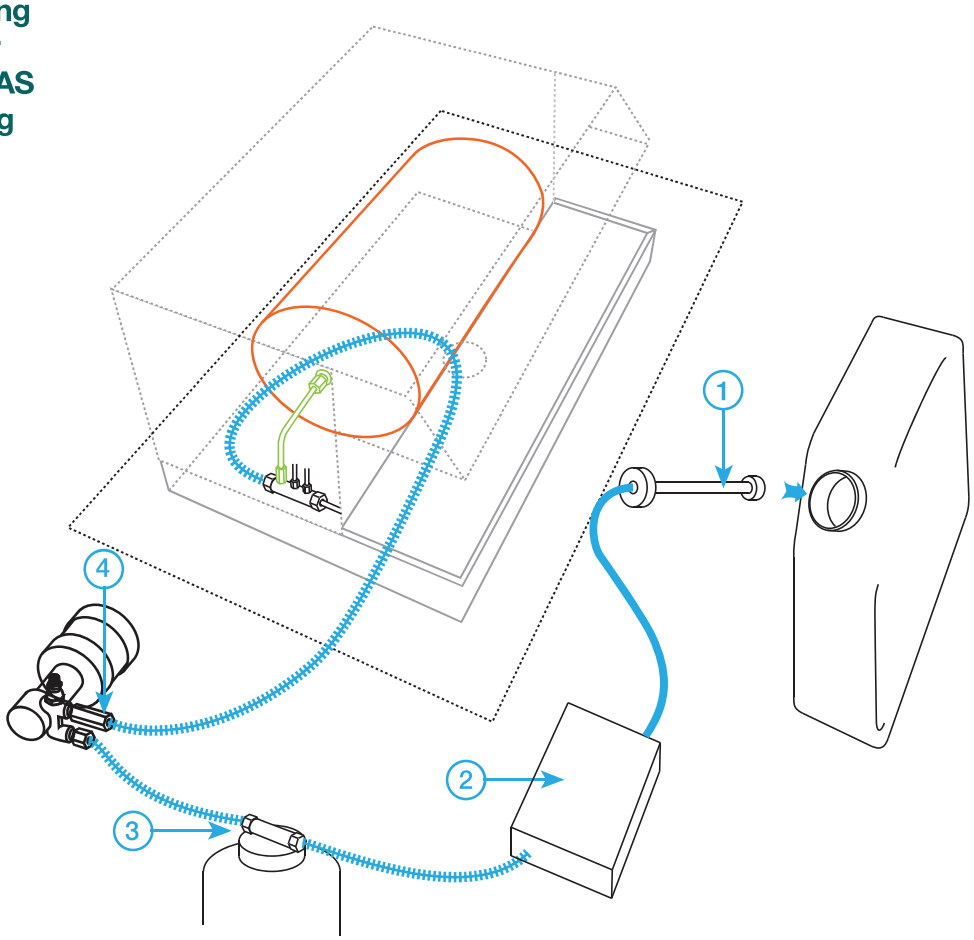
Retro

No. of Groups	Dimension (1)	Dimension (2)
1	302mm	100mm Min.
2	469mm	100mm Min.

2) Use the supplied M10 bolts to fix the appliance to the counter, it is advisable to use a star washer or spring washer to prevent vibrations loosening the bolts:



Ⓓ Connecting the water Supply GAS (Excluding Retro)



1) Fill the water tank with fresh water and insert the feed pipe for the water bottle bottle pump.

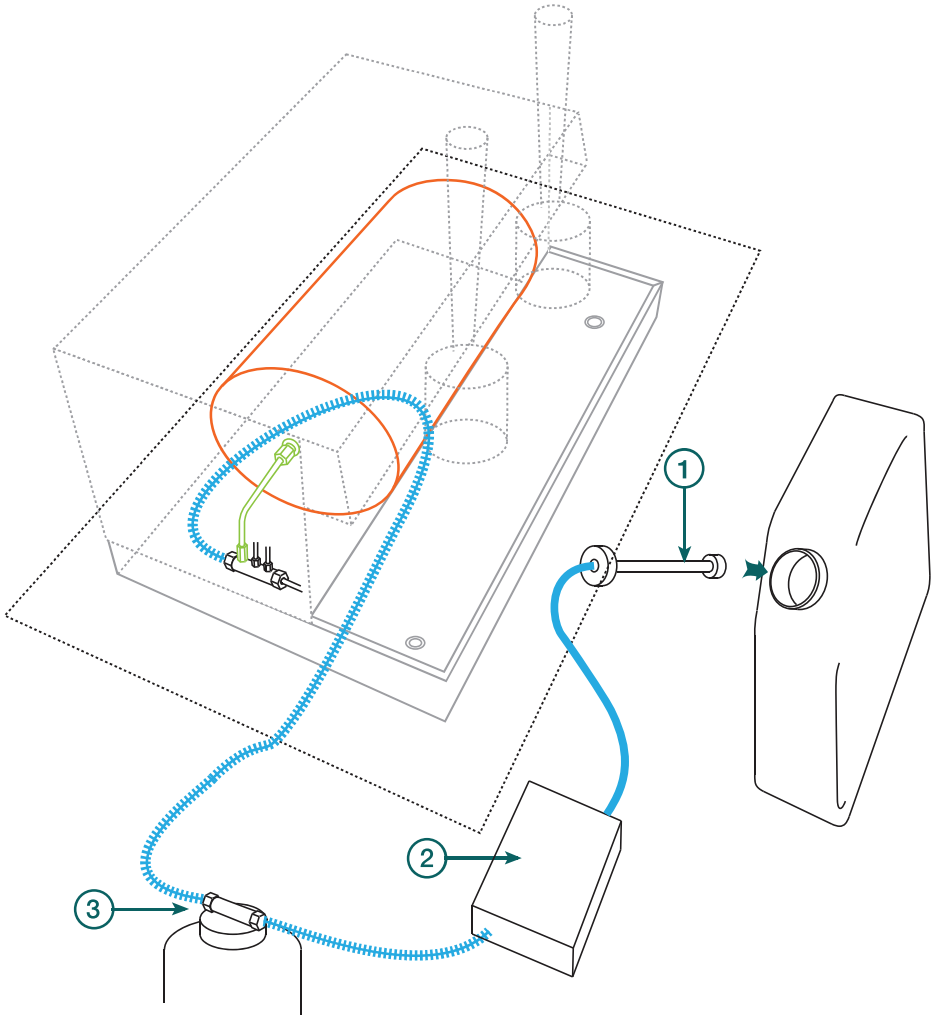
Warning: The water softener should be flushed through prior to connection with 5 x 5 gallon (Approx. 25L) buckets or until the water runs clear.

2) Connect the water bottle pump to the water softener, if required.

3) Connect the water softener to the inlet side of the external pump.

4) Connect the 3/8" braided hose from the machine to the outlet side of the pump fitted - ensuring a non-return valve is fitted.

Ⓔ Connecting the water Supply GAS Retro



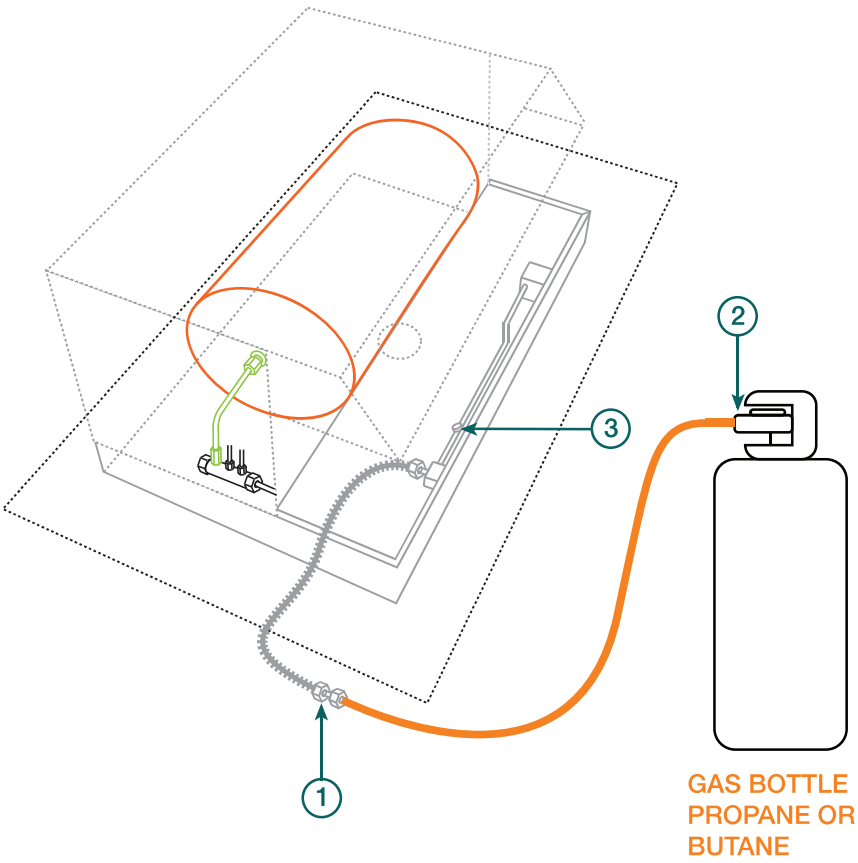
1) Fill the water tank with fresh water and insert the feed pipe for the water bottle pump.

Warning: The water softener should be flushed through prior to connection with 5 x 5 (approx. 25L) gallon buckets or until the water runs clear.

2) Connect the water bottle pump to the water softener, if required.

3) Connect the water softener to the braided hose connected to the machine

Ⓖ Connecting GAS Supply

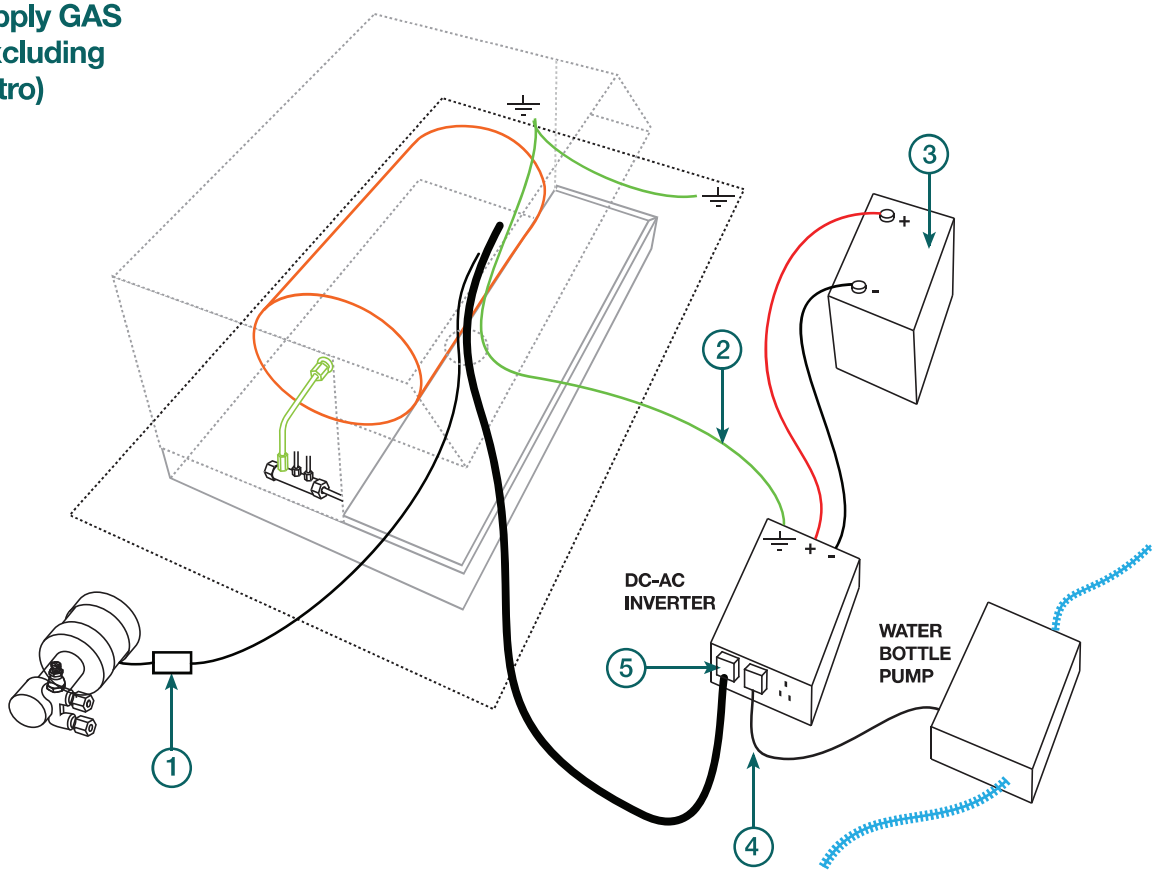


1) The machine is supplied with a stainless steel braided hose and 8mm tail with 1/4"BSP nut and olive connection for ease, this must be securely connected to the gas supply, with a high pressure gas hose, and be leak tight.

2) Connect the appropriate regulator (28mBar for Butane and 37mBar for Propane) and fit to the gas bottle.

3) All lines lines must be purged before ignition, pressure test point is built into the connecting pipe between the gas isolation valve and gas control valve under the drip tray.

Ⓗ Connecting the power supply GAS (Excluding Retro)



1) Take the thin 3-core cable from the coffee machine and connect to the external pump.

2) Connect an earth lead from the inverter to the coffee machine.

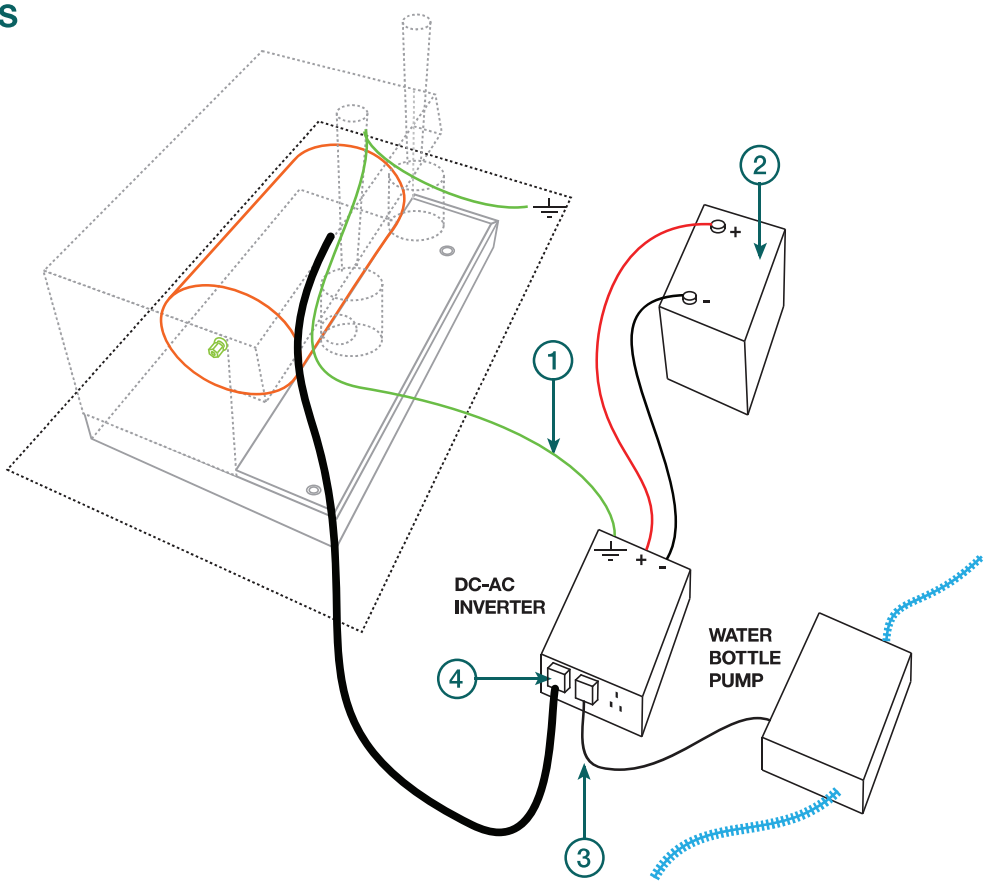
✱ **Note:** Ensure the coffee machine has an earth connection to the vehicle chassis/body - this can be done via the mounting bolts or a seperate earth lead.

3) Connect the 12V battery to the DC-AC inverter - check polarity and ensure the inverter is earthed to the coffee machine.

4) Take the 13amp plug from the water bottle pump and plug in to the inverter.

5) Plug the coffee machine in to the inverter.

Connecting the power supply GAS Retro



1) Connect an earth lead from the inverter to the coffee machine.

Note: Ensure the coffee machine has an earth connection to the vehicle chassis/body - this can be done via the mounting bolts or a seperate earth lead.

2) Connect the 12V battery to the DC-AC inverter - check polarity and ensure the inverter is earthed to the coffee machine.

3) Take the 13amp plug from the water bottle pump and plug in to the inverter.

4) Plug the coffee machine in to the inverter.