

## US 038 – Conversion set Cold water system C-Chassis

**Instruction**

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## **Instruction: US 038 – Conversion set Cold water system**

Instruction to modify hardware of the coffee machine chassis C with an additional cold water system connection. This modification is for preparation of an externally connected cold water system.

### **Application range**

#### Machines C-Chassis

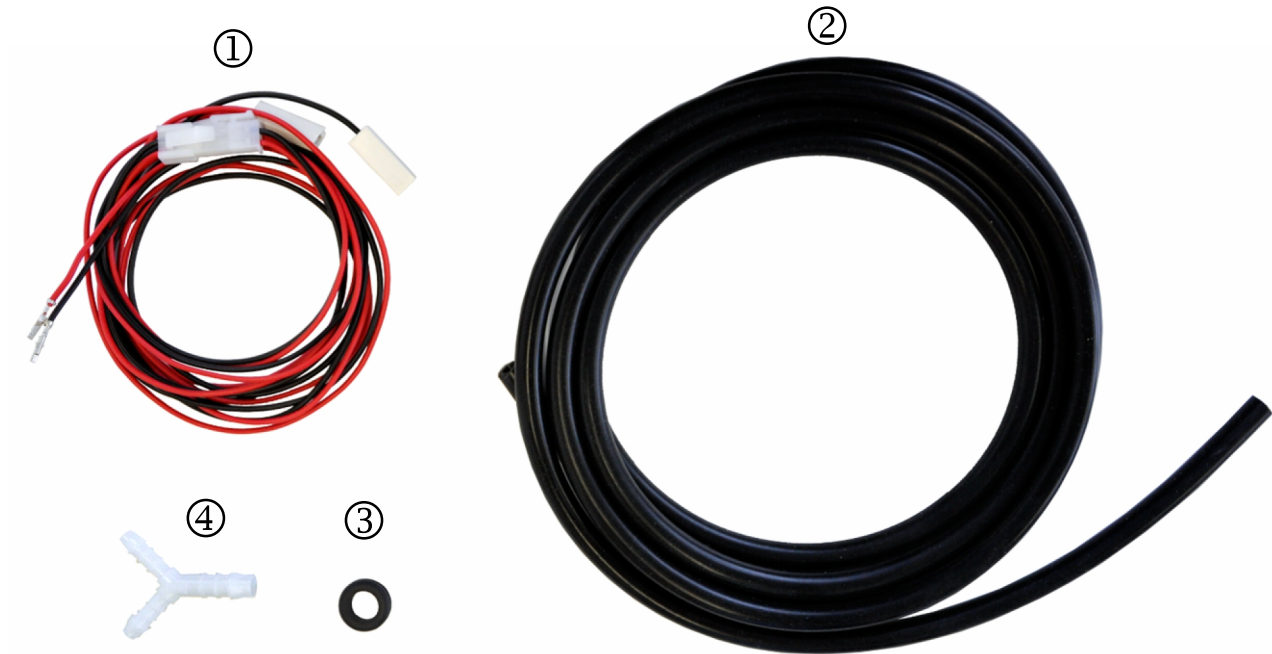
- Mexico
- Venezuela
- Sao Paulo
- Salvador
- Guatemala (C-Chassis only)
- Costa Rica (C-Chassis only)
- Rio14 (C-Chassis only)

### **Necessary tools**

- Spanner No. 5.5
- Side cutter / Cable cutter
- Screw driver torx T20
- Screw driver Philips No.2

Disconnect the machine from the power supply. Work always with disconnected machine.

## Delivery content



- Conversion set cold water system = **US 038**

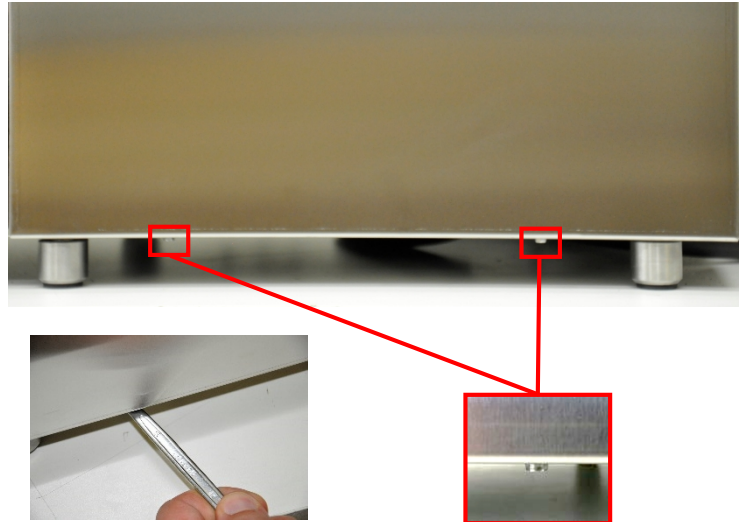
Content:

- ① Harness Cold water switch
- ② Silicon rubber
- ③ Cable sleeve
- ④ Y-Adapter
- ⑤ Cable ties

## Modification

### Step 1

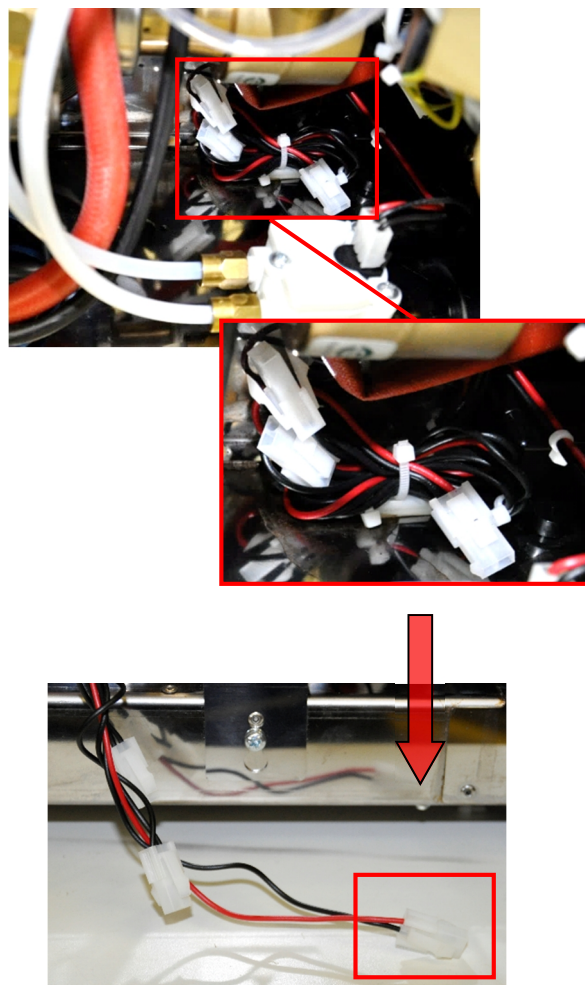
Remove 2 hexagon screws.  
Remove side cover left.



### Step 2

Check if +24VDC power cable  
(red/black) is pre-installed behind  
flowmeter.

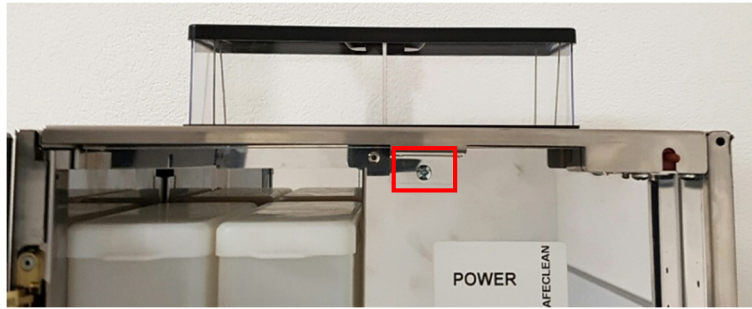
If pre-installed, cut cable tie and  
continue with step 5.



### Step 3

*Step only needs to be carried out if cable is not pre-installed (see Step 2)*

Remove philips/torx screw.  
Remove top cover plate.

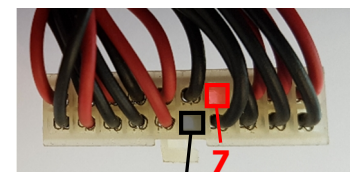
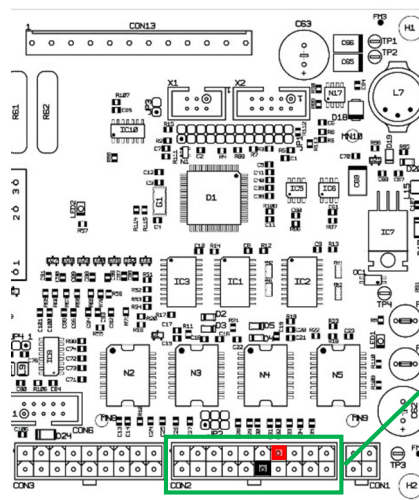
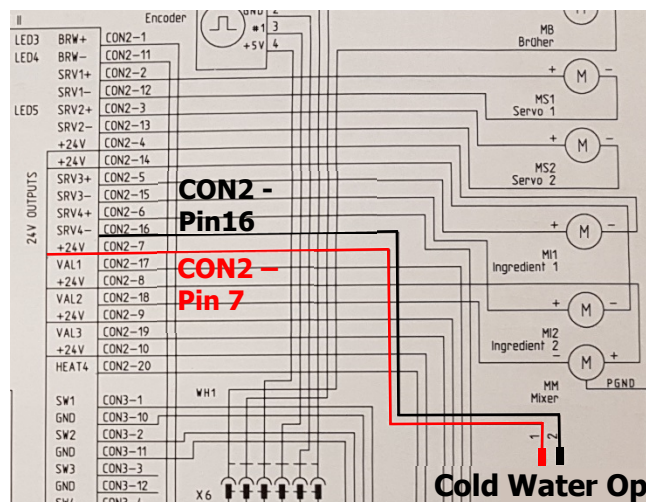
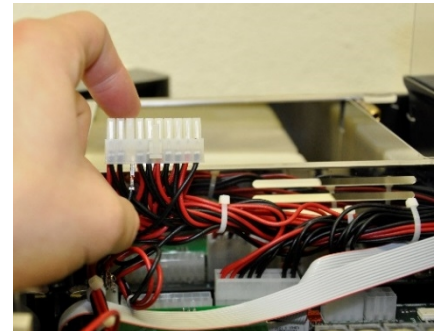


### Step 4

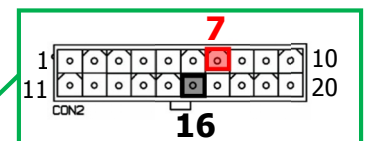
*Step only needs to be carried out if cable is not pre-installed (see Step 2)*

Connect wires as shown.  
Align cable inside chassis down to bottom plate.

Fix with cable ties on existing low voltage cable harness (24V black/red).



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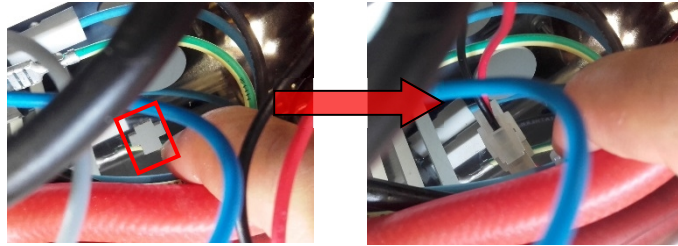




### Step 5

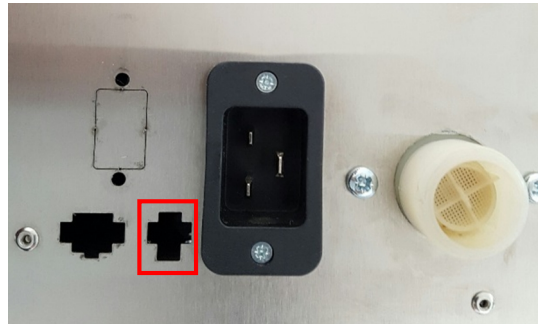
Connector needs to be plugged into notch at bottom ① or back ② of chassis.

①



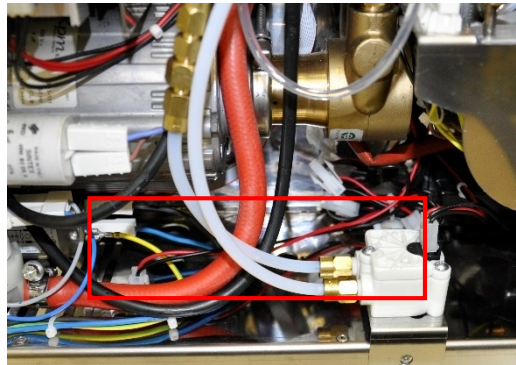
**OR**

②



### Step 6

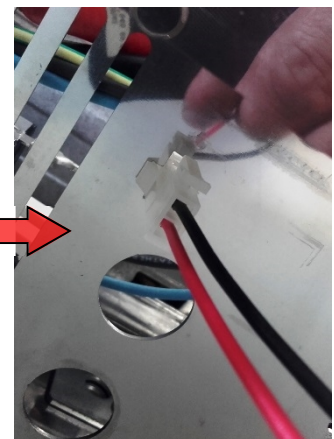
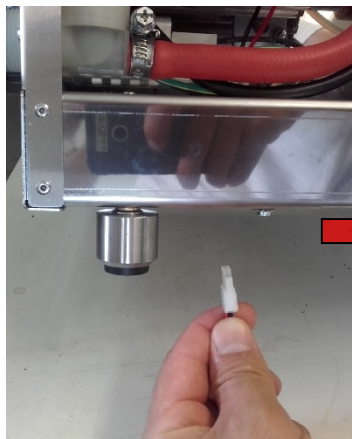
Align cable wires inside machine.



### Step 7

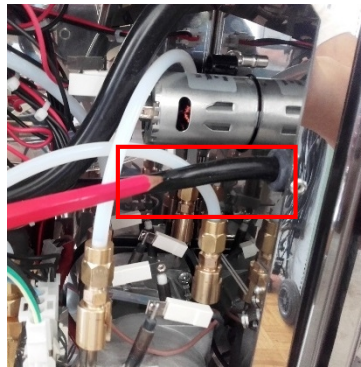
Tilt machine slightly if plugged into bottom plate.

Plug in the cold water harness connector into prepared plug on the machine. (see Step 5)

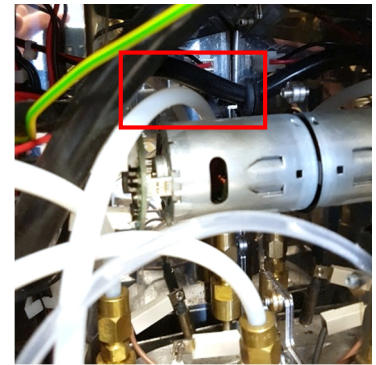


### Step 8

Check position of hot water outlet.  
(depends on type of machine)



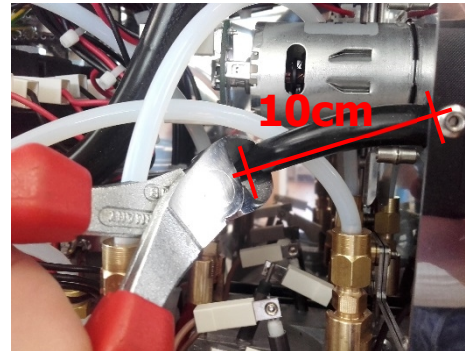
- Mexico
- Sao Paulo
- Salvador
- Guatemala
- Costa Rica
- Rio14



- Venezuela

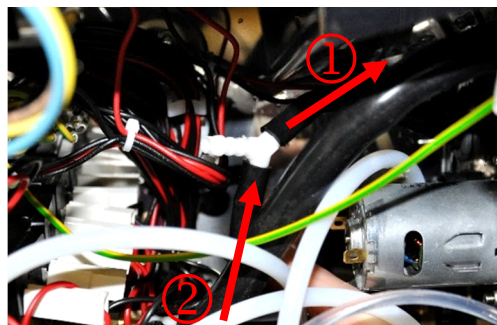
### Step 9

Cut tube (about 10cm) from hot water outlet.



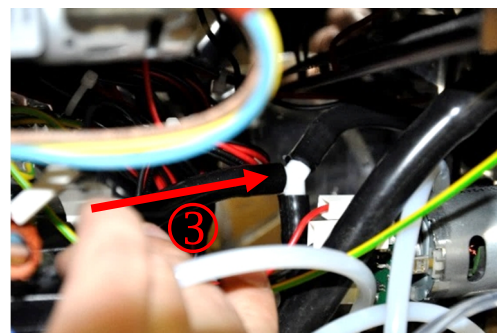
### Step 10

Install Y-Adapter as shown in picture.



① (Hot) Water Outlet

② Valve Block, Hot Water

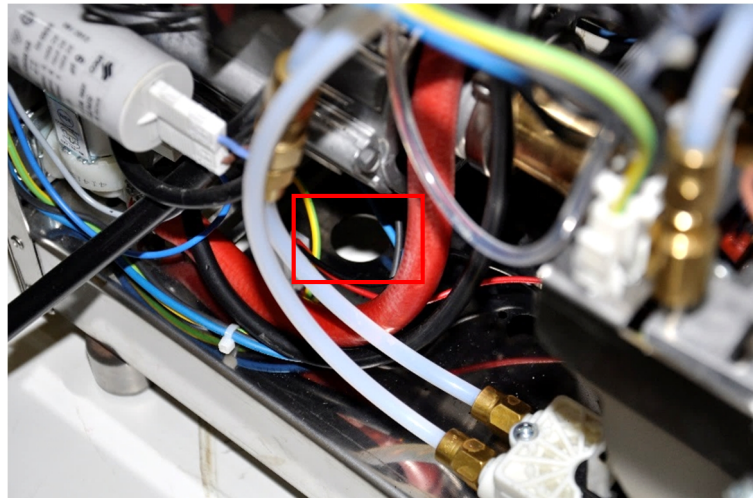


③ Cold Water



### Step 11

Insert cable sleeve to protect tube from sharp edges.  
Align fresh water tube out of bottom plate through hole.



### Step 12

Close Machine side cover.  
Close top cover plate if necessary.

Carry out installation of your cold water system (control unit & water source, e.g. canister)



#### **IMPORTANT:**

Double check all connections for leakage.

## Machine settings

### SW 730/830 to 734/836

For following machines the cold water option can be already activated via "Machine Type":

- Venezuela
- Salvador
- Sao Paulo

How to activate cold water option for machines with SW version 730/830 to 734/836:

- 1) Open machine door to start "Operator Menu"
- 2) Enter password to open "Service menu"
- 3) Go to "Installation"
- 4) Go to "Machine type"
- 5) Select correct machine type "**BIGB 1G CW**" (1 Grinder) or "**BIGB 2G CW**" (2 Grinders)
- 6) Restart Machine
- 7) Assign key, refer to "Key Assignment"

### SW 736/838 and higher

For all machines the cold water option can be activated via "Config. Machine":

- Mexico
- Venezuela
- Sao Paulo
- Salvador
- Guatemala (C-Chassis only)
- Costa Rica (C-Chassis only)

How to activate cold water option for machines with SW version 736/838 and higher:

- 1) Open machine door to start "Operator Menu"
- 2) Enter password to open "Service menu"
- 3) Go to "Installation"
- 4) Go to "Config. Machine"
- 5) Go to "Cold water"
- 6) Activate cold water: "ON"
- 7) Restart Machine
- 8) Assign key, refer to "Key Assignment"

## Key Assignment "Cold Water" recipe

- 1) Open machine door to start "Operator Menu"
- 2) Enter password to open "Service menu"
- 3) Go to "Key Assignment"
- 4) Go to "Drink Recipe"
- 5) Choose a key
- 6) New recipe "**Cold Water**" = **3300**
- 7) Exit menu