Dometic

**COOLING**

**Caravan**

**SERVICE BULLETIN**

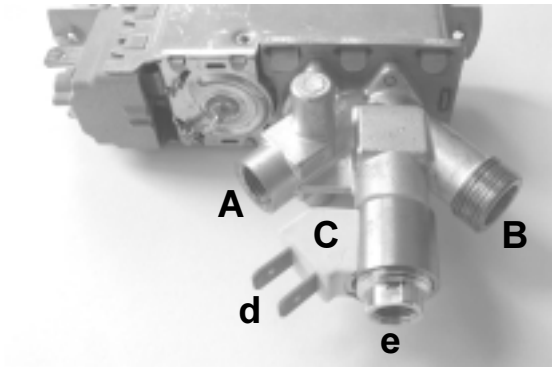
**3110**

Dometic GmbH, In der Steinwiese 16, D-57074 Siegen

RM 6270/6271/6290/6291/6360/6361/6390/6391/6400/6401,
RM 7270/7290/7360/7390/7400

# Flame does not keep burning!

## Compact Fitting V85




The compact fitting integrates the gas supply, flame failure device and and thermostats for 230V- and gas operation.

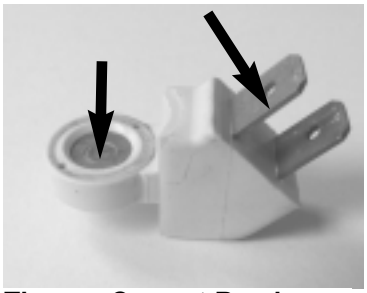
**A = Gas outlet to gas burner**
**B = Gas inlet**
**C= Thermo current breaker**
**d = Connections to energy selection switch**
**e = Connection to thermocouple**

## Flame does not keep burning, extinguishes after ignition

Due to a corrosive layer on the contact area of the components of the flame failure device

**Thermo Current Breaker**
**Magnetic Coil**
**Energy Selection Switch**

the transition resistance will increase. By this the function of the flame failure device could fail.
Then the low current of the thermocuople (contact potential generated while flame is burning) is not sufficient, to hold the magntic valve for gas supply. The flame extinguishes, no gas operation possible.

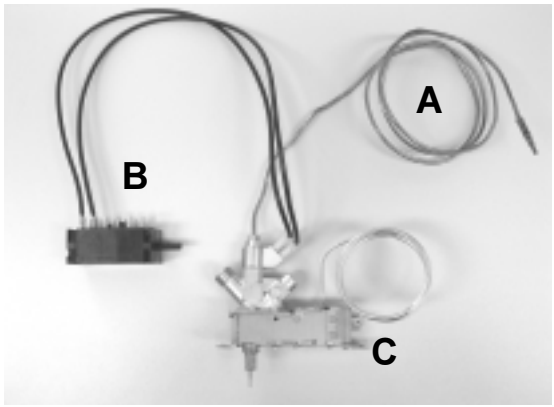


**Thermo Current Breaker**



**Magnetic Coil**

## Components within the thermo current circuit

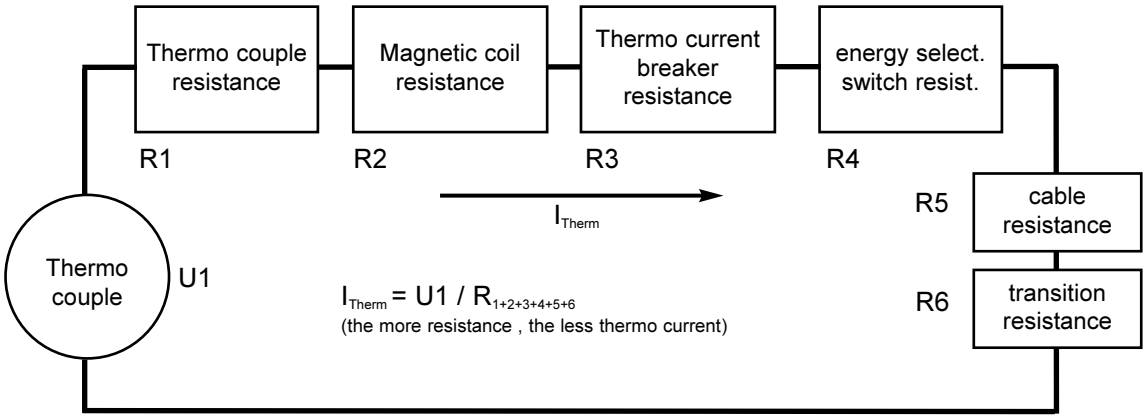



Thermocouple, thermo current breaker, magnetic coil and energy selection switch are placed in the thermo current circuit.

**A = Thermo Couple**
**B = Energy Selection Switch**
**C = Compact fitting**

Publication-No.: 599 5183-07 en / Service 2003.10.16 BO/ KV

# Scheme of resistances within the thermo current circuit



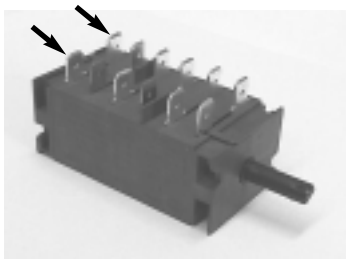

# Checking and remedy



**Energy Selection Switch**



**Compact Fitting**

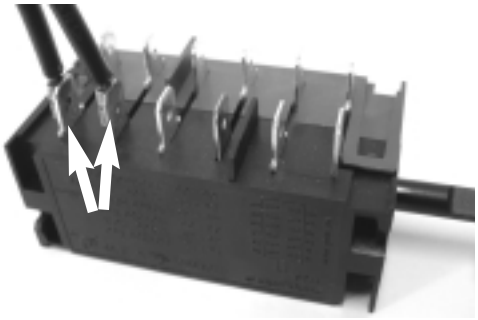


Check contacts 6a/6b at the energy selector. If necessary exchange complete switch.



Check contacts for corrosion. Exchange thermo current breaker and magnetic coil if necessary.

# Spare parts



Thermo couple
**292 3435-32/1**

Energy selection switch with assembled cables (picture)
**295 2025-20/9**

Compact fitting
**241 2190-02/3**

Magnetic coil
**210 6030-00/6**

Thermo current breaker
**295 2985-00/6**