

Function**Manual recirculated air**

The fresh air/recirculated air actuator motor (M16/7) is controlled via the recirculating air pushbutton () in the TAC control module (N20) (=100 % recirculated air).

The manual recirculating air mode is limited as follows for the various operating modes:

- D EC mode: general = 5 min
- D AC mode: outside temperature > 18 °C = 30 min
 Outside temperature < 18 °C = 5 min
- D Reheat mode: outside temperature > 7 °C = 30 min
 Outside temperature < 7 °C = 5 min

The time period is determined by the time at which the recirculation air pushbutton is pressed.

The manual recirculation air function is cleared by:

- D Ignition off
- D Blower switch in position 0
- D Pressing the recirculation air pushbutton again
- D Timeout
- D Switchover from reheat to EC
- D Switchover from reheat to AC, when the outside temperature is < 18 °C
- D Switchover from AC to EC

Automatic recirculation air (possible in AC/reheat mode only)

Both 80 % and 100 % recirculated air are possible in the automatic recirculation mode.

- D 100 % automatic recirculation air is possible for one time only for 30 mins after ignition is switched "ON".
- D 80 % automatic recirculation air is possible without any time limit.

Automatic recirculation air is only possible when the following conditions are given:

- D if 1 min after a cooling request the temperature at the evaporator core's temperature sensor is < 60 °C,
- D if the evaporator core's temperature sensor and the refrigerant pressure sensor are in working order,
- D if the outside temperature is > 20 °C,
- D if the inside temperature is > 16 °C,
- D if the temperature difference between the outside temperature and the specified temperature set by the temperature selector wheel is > 0 K (Kelvin). In other words, the greater the difference in temperature, the sooner the system switches over to recirculation air mode.