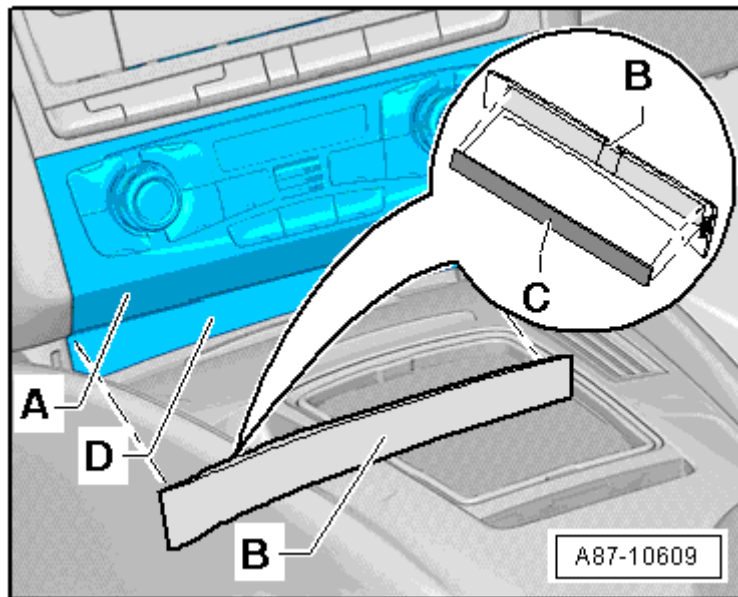


stop function is not possible or will be interrupted and the engine will start. The same applies in the case of heating and cooling. The difference between the selected and actual temperature is greater than a specified value checked using the Vehicle diagnostic tester in "Guided Fault Finding".

Vehicles with the Start/Stop System have an additional coolant pump for the Stop function depending on the vehicle equipment level and on the version of the vehicle. Refer to **COOLANT PUMP, [For engine(s) CAEB] Description and Operation** and the Vehicle diagnostic tester in "Guided Fault Finding".

- On the Audi Q5, the Climatronic control module -A-, has an additional trim -B-.

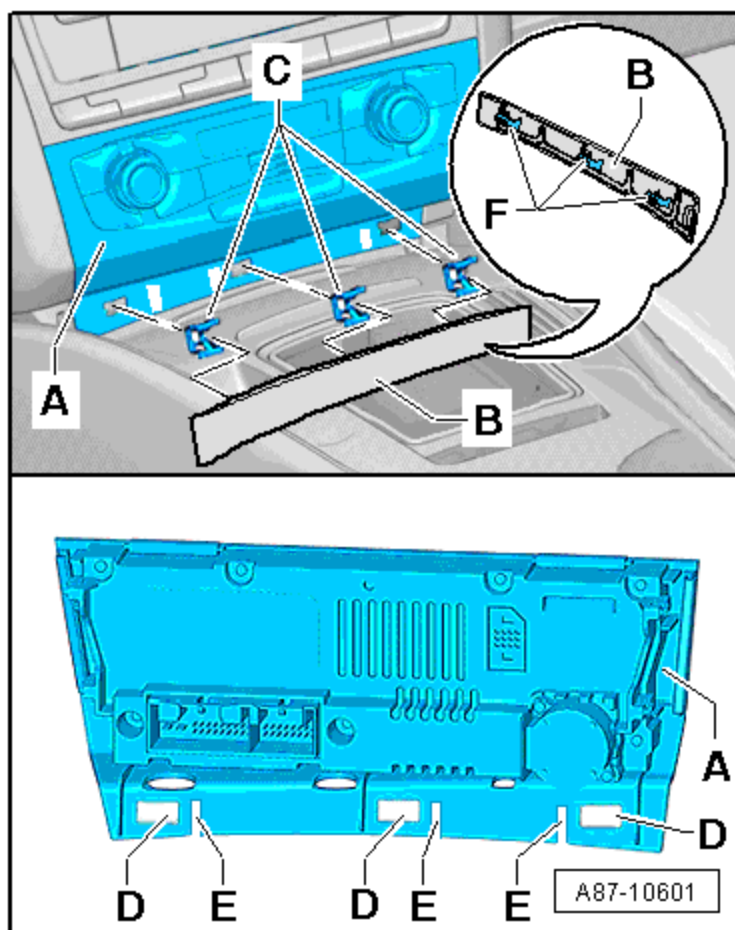


**Fig. 3: Identifying Climatronic Control Module Trim**  
Courtesy of AUDI OF AMERICA, LLC

**NOTE:** The trim piece -B- is supplied with a two-sided adhesive strip already installed -C-.

If the trim piece -B- is going to be re-used when replacing the Climatronic control module -A-, then remove the adhesive strip -C- from the trim -B-. Clean the adhesive surface on the trim -B- as described in the instructions which came with the adhesive strip. Affix to the trim piece -B- a strip (dimension: 204 mm x 10 mm) (8 in. x 0.4 in.) of the two-sided adhesive strip -C- with material strength approximately 1.2 mm (for example with adhesive tape D 438 515 A1.

At the start of production, this trim -B- is secured by clips -C- into the openings in the -D- Climatronic control module -A-. Later, the trim piece -B- was redesigned so that it can be secured by a suitable two-sided adhesive tape. The retaining tabs -F- are no longer on the trim piece -B-.



**Fig. 4: Identifying Trim Secured By Clips In Openings In Climatronic Control Module**

Courtesy of AUDI OF AMERICA, LLC

Since the openings -D- and slits -E- are no longer being used, only the trim piece -B- with the two-sided adhesive tape for the Climatronic control module -A-, is supplied as a replacement part.

- Climatronic control module allocation, refer to **CLIMATRONIC CONTROL MODULE -J255- A/C CONTROL HEAD ALLOCATION.**
- Climatronic control module, removing and installing, refer to **CLIMATRONIC CONTROL MODULE -J255- A/C CONTROL HEAD.**

#### **CLIMATRONIC CONTROL MODULE -J255- A/C CONTROL HEAD ALLOCATION**

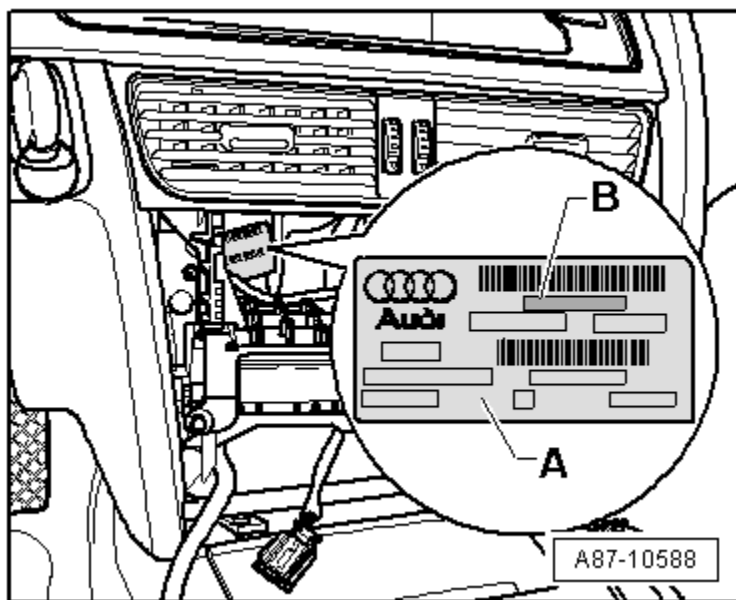
- Beginning 08.2007 the "Comfort" A/C system with an air distribution housing with optimized air distribution will be introduced (distinguishing characteristic between versions "1" and "2". Refer to **COMFORT A/C UNIT AND AIR DISTRIBUTION HOUSING**
- The coolant pump -V50- (water pump -V36-) control differs and depends on the date of manufacture.

**NOTE:** The coolant pump (water pump) versions and activation differ depending on the version of the vehicle and production period. From MY 12 beginning with start of production, pumps that were controlled by a 500 Hertz signal (500 pulses per second) are being replaced by pumps that are controlled by a 100 Hertz signal depending on the engine. Pumps, controlled by a 100 Hertz signal, also have a diagnostic function and are controlled by the engine control module. Check for the correct allocation. Refer to the Vehicle diagnostic tester in "Guided Fault Finding", appropriate **SYSTEM WIRING DIAGRAM**.

-- On vehicles with a version "2" A/C system, the Climatronic control module for the "Comfort" A/C system with part number "8T1 820 043" beginning with the index letter "Q" is or will be installed.

-- If on vehicles with the version "1" A/C system, a Climatronic control module with the "Comfort" A/C system, with part number "8T1 820 043" beginning with the letter "Q" is installed. The adaptation is changed in adaptation channel 18 using the Vehicle diagnostic tester in "Guided Fault Finding".

**NOTE:** There is a label -A- on the outside of the A/C unit with a part -B- that tells which version is installed.



**Fig. 5: Identifying A/C Unit Label**  
Courtesy of AUDI OF AMERICA, LLC

The part number -B- on the decal -A- can be read when the CD changer is removed (depending on the vehicle equipment level).

-- The Climatronic control module for the "Comfort" A/C system with part number "8T1 820 043" through letter "S" may not be installed in the version "2" A/C.

**NOTE: On the "Basis" A/C system, the A/C unit and the air distribution housing were not changed.**

- On the Audi A5 Coupe and Audi A4 from MY 2009, the Climatronic control module, part number 8T1 820 043 starting with the index letter "T" is installed (on the Audi Q5 this was already installed since the start of production).

-- On vehicles with these A/C control heads, and depending on the coding and adaptation, for example the display on the screen for the "MMI" (Multi Media Interface), when using the buttons and knobs, the A/C control head no longer switches to "A/C system". The selected functions for the A/C system appear in the display sequentially. Check with the Vehicle diagnostic tester in "Guided Fault Finding", the Owner's Information and the Owner's Information / MMI.

-- Pay attention to the correct allocation, coding and adaptation of the Climatronic control module, for the Front Information Display Control Head Control Module -J523- / Information Electronics Control Module 1 -J794-. Refer to the Vehicle diagnostic tester in "Guided Fault Finding". If the allocation, coding or adaptation are incorrect, the A/C function cannot be displayed or selected in the MMI.

**NOTE: The Climatronic control module, part number 8T1 820 043 up to index letter "S" are installed on vehicles with a front information display control head control module -J523-.**

**The Climatronic control module, part number 8T1 820 043 beginning with index "T" may be installed on vehicles with an Information Electronics Control Module 1 -J794- and an Information Electronics Control Module 1 -J794-. In order to be able to select and display the different functions, the coding and adaptation must be correct for the vehicle equipment level.**

- From MY 2010, this vehicle has a Start/Stop System for specific engines as optional equipment.
- As a running change in MY 10, gasoline engines that can run on bioethanol (Flex Fuel Vehicles) were introduced

**NOTE: On vehicles with Start/Stop system, the Climatronic control module prevents the Stop function. If, for example, "defrost" is selected, the stop function is not possible or will be interrupted and the engine will start. The same applies in the case of heating and cooling. The difference between the selected and actual temperature is greater than a specified value shown using the Vehicle diagnostic tester in "Guided Fault Finding".**

**Only Climatronic control modules with part number 8T1 820 043 from index "AG" or with part number 8K\_ 820 043 are or will be installed in vehicles equipped with the Start/Stop System. Refer to the Vehicle diagnostic tester in "Guided Fault Finding".**

**The coolant pump -V50- (water pump -V36-) differs and depends on the date of manufacture and on the version of the vehicle. Make sure to use the correct**