

# A U T O T E C H

## Installation Instructions

*SPORT Tuning*

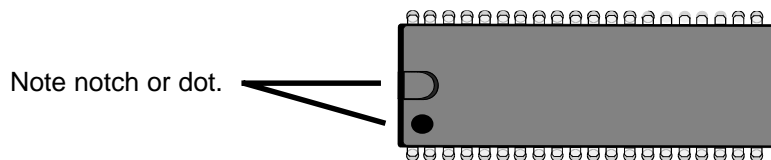
**Part Number:** 10.215.340xx-10.215.351xx,10.215.361xx

**Description:** Autotech Q-Chip

Thank you for purchasing an Autotech Q-chip. Please read the installation procedure listed below as it will save you time (and possibly parts) in the long run. After installation...enjoy!

**Caution!** Be aware that E-PROM's are static-sensitive devices, and so are the chips in your control unit. Avoid replacing chips in high static areas, and avoid touching the pins of any integrated circuit / E-PROM.

1. Open hood and remove the rubber seal laying on the top edge of the firewall. Remove the plastic raintray and locate the control unit. It is located on the driver's side on Golf and Jetta 2 models, the passenger side on Passat and A3 models.
2. Remove the 10mm nuts holding the control unit frame to the body of the car. Slide out the frame/control unit and remove the harness connector on A2 models by pulling back on the steel locating/retaining tab, and rotating it away from the control unit. On A3 and Passat VR6 models, remove the harness connector by pulling the black tab parallel to the connector. This will push the entire connector out as it rides on pins on the ECU. Separate the control unit from the frame by removing the large Phillips head screws holding the control unit to the frame and slide the control unit from the frame.
3. To open the control unit, use a Phillips screwdriver or a Torx driver (depends on control unit) to remove the four screws at the connector end, (and at the heat sink end on KE-Motronic) and slide the electrical section out from the black outer casing.
4. Examine the chips on the board. The chip that you will be replacing will be the only one set into a socket, and will usually have a white "H" shaped plastic retainer covering it. If you do not see any socketed chips, call Autotech before proceeding any further.
5. Before removing the stock chip, take note of the location of the notch at the top of the chip. **It is mandatory that the Q-chip be installed in exactly the same position!** If you install the Q-chip backwards, you will damage your control unit as well as the Q-chip. Remove the stock chip by first removing the white retaining clip, then gently pry out the chip from the socket, using a small screwdriver between the two. **Note!** *To prevent bending the pins, change sides often until the chip is completely removed. Autotech will not be responsible for chips with pin damage.*



Note: The socket should also have a corresponding notch or dot to aid in correct alignment.

6. Insert the Q-chip into the socket only after you have double-checked that it is in the same position as the original. Gently place it into the socket while ensuring that all the pins are going smoothly into the socket holes. Now, lightly press the chip all the way down into the socket, while checking that no pins are bending during installation. Re-install the plastic retaining clip and place your stock chip inside the anti-static box from the Q-chip for safe keeping. Reverse the control unit opening and removal steps listed above to finish your installation.

Notes: The Autotech Q-chip is designed to operate within factory idle mixture settings, and with all emissions-related parts functioning and in place. No further adjustment is necessary.  
Fuel with an octane rating of 92 or higher is recommended.  
You may notice a slightly rough idle when the Q-chip has first been installed. This is a normal characteristic after changing chips. A short drive will provide new adaptive memory information, and will smooth out the idle.