Instructions and Information about Haldex Performance part	All VW, Audi, Skoda equipped with Haldex gen1 system Document nr. 20042990

Note! Describes a situation, action or an event where a recommendation is made that will enable a repair to be correctly carried out without personal injury or damage to the product.

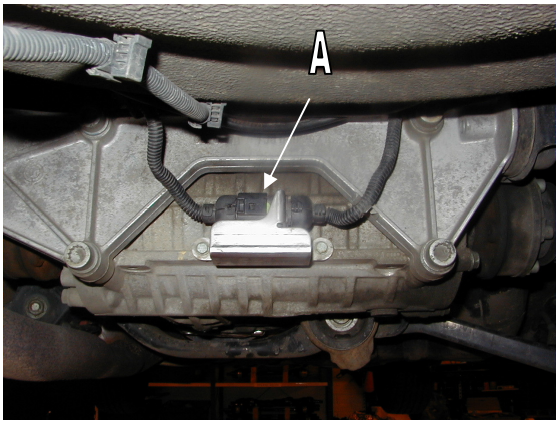
Instructions how to change the control unit	**Note!** The instruction is valid for all VW, Audi, and Skoda car models. There may be some slight variances between cars, but the basic information remains the same.

Preparation

Following tools is needed to change the Ecu.

. Tool for socket head cap (nr 4).
. Pliers
. Flashlight
. Rubber band

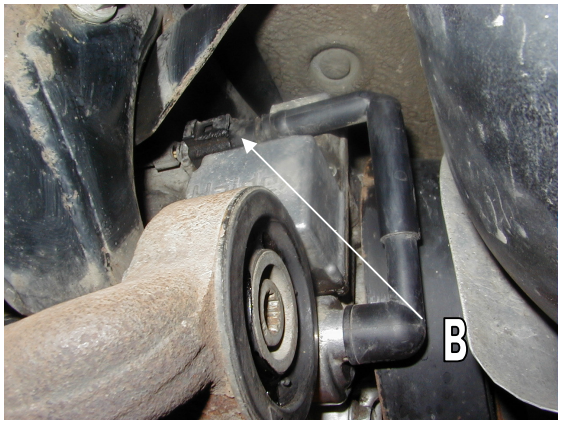
Clean the area round the electronic unit as accurately as possible.
It's very important that no dirt or contamination enters the unit because that can cause a malfunction in the system.



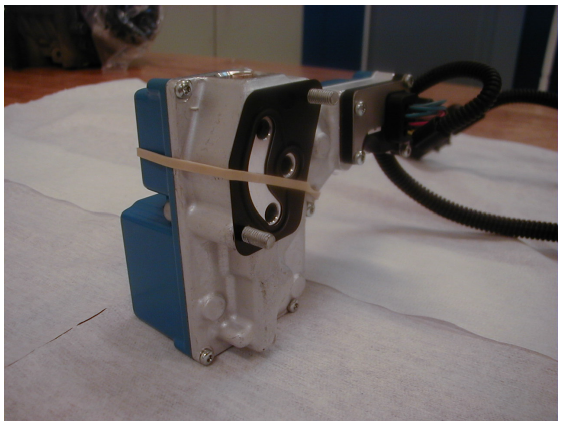
Removal of control unit

Note! The engine must be turned off at least 5 minutes before the change.
Place an collecting tray under the coupling to collect any oil spillage.

. Disconnect the main connector from the back of the rear axle (A).



. Remove the pump connector from the electronic Unit (B).
. Remove the 2 screws for the control unit incl. the gasket and remove it.



Installation of new Control Unit

. Clean the area for the control unit with a clean cloth (not paper).

. Mount the sealing and screws and hold it in place with a rubber band.

. Place the Unit to the coupling and fix the screws only slightly. Cut of and remove the rubber band.
. Tighten the screws with 6 Nm torque

. Reconnect the pump and main connector.

Final check.

. Start engine and check that there is no oil leakage from the Haldex coupling.
. If the car is on a hoist or the wheels is free above the ground then
put it in 1:th gear and check that all 4 wheels are running

Note! In case of a oil leak use only Haldex oil with artnr. G 052 175 A1.

TUNING KIT FEATURES

. Increased torque transfer to the rear at accelerations gives more consistent behaviour and more oversteered handling for sportier behaviour

. Faster torque transfer respond as a function of how fast the driver pushes the throttle pedal. Haldex system prepares to transfer torque before actual torque is delivered from Engine to the driveline.

. At higher speeds the torque will decrease which gives less oversteering and safer handling. Understeering gives a safer feeling of the vehicle.

. All safety features works as in the original software, for example during ABS braking or an ESP intervention the coupling will stop transferring torque to avoid interference with the safety systems.

Example: Torque transfer during acceleration