



## Technical Tip

<b>Topic</b>	45-07-19TT – Euro van, ESP Steering Angle Sensor -G85- Adaptation
<b>Market area</b>	United States 444 Volkswagen of America, Inc. (6444)
<b>Brand</b>	Volkswagen
<b>Date</b>	January 3, 2013

## Condition

**ATTENTION:**

**THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.  
TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.**

### Eurovan-ESP Steering Angle Sensor Adaptation

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Eurovan	1996-2004	All	All	All	All

## Technical Background

When replacing the steering angle sensor -**G85**-, you may run into a coding issue with the ABS module or fault codes 00778 and 01044. The new replacement steering angle sensor part number is 7D0 959 654 with revision index A15 (printed on the part). The old part has the same part number except the revision number is A13. The new part causes the ABS coding to revert back to "0" when attempting to adapt the steering angle sensor. Code the steering angle sensor twice instead of only one time, before setting Basic Settings.

## Service

Perform the following procedure:

- Center the steering wheel.
- Turn the ignition ON.
- Enter Vehicle Self Diagnosis/OBD.
- Go to Address Word 03 – Brakes/ABS.
- Select Access Authorization and enter login number 07669.
- Select Coding and enter code 06639.

**Note:** Test plan will ask for key cycle - Do not cycle the key or start vehicle, just select OK / Continue.

- Re-enter access authorization and re-enter login number 07669.
- Re-enter Coding and re-enter 06639 (You should see the two coding's 06639 (06639) in the upper right corner of the scan tool).

**Note:** Test plan will ask for key cycle - Do not cycle the key or start vehicle, just select OK / Continue.

- Turn steering wheel one turn to the right and one turn to the left. (Do not start vehicle).
- Enter Access Authorization and enter login number 40168.
- Go to Basic Settings.
- Enter Group 1.
- The display should read "sensor OK" if the procedure was successful (You may need to scroll down to see the "OK").



**Note:**

The ABS, ESP and brake lights will remain on until the scan tool is disconnected from the diagnostic plug. If the procedure was performed successfully no faults will be stored in 03-ABS.

<b>Revision History</b>		
<b>Revision Number</b>	<b>Released Date</b>	<b>Reason For Update</b>
2032312/6	5/5/17	Revised test plan regarding ignition key cycle.
2032312/1	1/3/13	Original publication.

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