



# 6-Speed Direct Shift Gearbox (DSG/02E)

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## Basic Setting

### Prerequisites:

- Fluid Temperature 30...100 °C (86...210 °F), see Measuring Blocks, Group 019.
- Selector Lever in P
- Ignition ON
- Engine ON (Idling)
- Brake Pedal operated (hold for the whole procedure)
- Throttle Pedal not operated

**NOTE:** Be sure to perform the following steps in the sequence shown, followed by the defined test drive.

[Select]

[02 - Transmission]

[Basic Settings - 04]

## Transmission Tolerances (Engaged Calibration)

Group 061

[Go!]

- When you go to Basic Settings 061 and click GO the screen may look like this: Basic Settings 061 (<http://img404.imageshack.us/img404/5604/061go.png>)
- Wait until the numbers quit moving and the trans will quit making noises. Basic Settings switches to **On** when finished: Basic Settings 061 (<http://img38.imageshack.us/img38/5521/061done.png>)

Wait until Basic Settings has switched to ON and all numbers have stopped moving. This may take one minute.

## **Transmission Tolerances (Synch. Point. Measurement)**

Group 060

**[Go!]**

- When you go to Basic Settings 060 and click GO the screen may look like this: Basic Settings 060 (<http://img227.imageshack.us/img227/5338/060go.png>)
- Wait until the numbers quit moving and the trans will quit making noises. Basic Settings switches to **On** when finished: Basic Settings 060 (<http://img695.imageshack.us/img695/5637/060done.png>)

Wait until Basic Settings has switched to ON and all numbers have stopped moving.

## **Clutch Adaptation**

*Control Module Software Version < 0800:*

Group 062

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

*Control Module Software Version >= 0800 :*

Group 067

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

## **Reset Values (Clutch Safety Function)**

Group 068

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

## **Reset Values (Pressure Adaptation)**

Group 065

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

## **Reset Values (Steering Wheel Paddle Installation)**

Group 063

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

## **Reset Values (ESP & Tip Cruise Control Installation)**

Group 069

**[Go!]**

Activate the Basic Setting.

**[ON/OFF/Next]**

**[Done, Go Back]**

Switch off Ignition, wait 10 Seconds and switch it back on.

**[Fault Codes - 02]**

Check and clear fault codes after successful test.

**[Close Controller, Go Back - 06]**

Perform the Defined Test Drive.

## **Special Procedures**

### **Defined Test Drive**

*Suggested test drive after replacing the mechatronic or successful basic setting.*

#### **Prerequisites:**

- Fluid Temperature 30...100 °C (86...210 °F), see Measuring Blocks, Group 019.
- Do Not use Cruise Control.

Drive in Tiptronic Mode from stand still up to 6th Gear.

While doing that make sure to drive in Gears 3 or 5 for approx. 5 minutes and also in 4 or 6 for approx. 5 minutes.

The engine speed window for all gears is 1200 - 3500 RPM (for clutch calibration).

Perform one sharp braking followed by a full throttle acceleration (oil return check) while in Drive, Not Tiptronic Mode.

Evaluate creep and starting-off points.

Check for leaks.

***NOTE:*** *If the test drive cannot be performed in the recommended way or the necessary time, any remaining adaptations will be performed automatically during normal driving.*

### **Special Notes**

- Some modules do not require the use of the [ON/OFF/Next] button. If an Error is displayed after clicking the button, or the Basic Settings status does not switch to On, let the selected group and

procedure finish on its own.

- It is normal for the transmission to make noise while the tolerances are adapting. Do not exit or abort the Basic Settings sequence prematurely if you hear clacking noises.

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