

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

From Ross-Tech Wiki –

wiki.ross-tech.com/wiki/index.php/6-Speed_Direct_Shift_Gearbox_%28DSG/02E%29

Basic Setting

Prerequisites:

ATF 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!]

Activate the Basic Setting.

[ON/OFF/Next]

Transmission Tolerances (Synch. Point. Measurement)

Group 060

[Go!]

Activate the Basic Setting.

[ON/OFF/Next]

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:

ATF Temperature 30...100 °C (86...210 °F), see Measuring Blocks, Group 019.

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).

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.*

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