

# DQ381 301 BOOTLOADER TCU CONTROL BOARD

V W R 0 4 0 3 0 1

## Install Recommendations



### IMPORTANT INFORMATION

This part should only be installed by a qualified individual in a suitable workshop environment. Home/amateur installation is absolutely not recommended and will void any warranty given or implied.



### BEFORE FITTING

Please notify RacingLine of the VIN of the vehicle you are fitting the mechatronics to, by logging in to the ticket system and raising a new ticket. This is important to ensure there are no delays in the TCU being enabled for flashing. If you receive a warning of "VIN Mismatch", it is because the TCU has not yet been enabled for flashing. Please contact support in this instance:

[oemplus@racingline.com](mailto:oemplus@racingline.com)

## 1

### STEP ONE.

GETTING READY : WHAT YOU'RE GOING TO NEED.

#### Parts recommended

- DSG Oil - G055529A2 x7 (7 litres)
- DSG Gearbox - Oil Filter OGC325183D
- DSG oil filter sealing ring - N91084501
- Fill plug sealing ring - N0438092
- Drain bolt with sealing ring - N90965401
- Seal for electrical connector - OGC927377

#### Special Tools required

- Transmission oil filling tool
- DSG oil filler adapter - VAS6262A or equivalent
- VAG specific scan tool, VCDS, or other high-level diagnostic tool

*(all part numbers are subject to supersession, correct at time of writing)*

## 2

### STEP TWO.

INSTALL MECHATRONICS UNIT: FOLLOW NORMAL VWG PROCEDURE.

## 3

### STEP THREE.

RECONNECT BATTERY, FOLLOW THESE STEPS BEFORE STARTING VEHICLE:

- ① Use your scan tool to access the Auto Transmission module. Enter Basic Settings and perform "IDE02912 Reset Clutch Characteristic Curve". Close the session to the Auto Transmission module and turn the ignition off.
- ② Now start the vehicle but do not engage any gears. Access Advanced Measuring Values and look for "IDE00024 ATF Temperature". Run the engine until this value is above 40c. Exit Advanced Measuring Values and enter Basic Settings. Choose "IDE02903 Basic Setting of transmission" and perform the basic settings. Wait for the basic settings to complete which will take 1-2 minutes, during which time you will feel the transmission clunking as gears are automatically selected and clutches adapted.
- ③ Once this procedure has completed, it is recommended to run the transmission through all the gears, including reverse, for at least 10-20 seconds per gear. Once this has been completed, the DSG oil level should be checked and set correctly, with the engine running.
- ④ Now go ahead and flash the Dynamic TCU available from the RacingLine server in the normal way!
- ⑤ Please note that adaptations will take some time to complete, as the gearbox relearns your driving style and preferences. This can take approximately 500miles/800kms.