

Field campaign

Topic	Engine control module update - Mulsanne (SC 23/12)
Market area	China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Korea, (South) E08 Bentley South Korea (6E08),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2070237/1
Campaign number	EC77
Note	
Type	
US code	

Vehicle data

Mulsanne

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3Y2*	2016	E		*	*	*
3Y2*	2017	E		*	*	*
3Y2*	2018	E		*	*	*
3Y2*	2019	E		*	*	*
3Y2*	2020	E		*	*	*

Documents

Document name
master.xml
sc2312vinlist.pdf

Notes

**Repair instructions**

Technical background

Software update is now available and should be applied to the Engine control unit (address 01)

NOTICE

In the event that DTC U0146 is evident within the engine control unit (address 01) the self healing procedure does not perform as required, therefore the procedure within the Work section ensures the DTC will be automatically erased

Remedy

Carry out the software update instructions within the Work section to completion

Customer notification

Please ensure that all affected vehicles are checked and repaired at the nearest opportunity, direct customer notification is not required

When the vehicle is present at the workshop, please make a note of the required Service campaign on the workshop order before it is signed by the customer.

You should also pass on this information to your new and used car sales departments so that vehicles affected are checked and if necessary repaired immediately

Warranty accounting instructions

Warranty Type 710 or 790

Damage Service Number EC77

Damage Code 00 66

Criterion ID 01

Time to conduct the software update

Labour Operation Code 01 51 00 00

Time Must not exceed 40 TU (as per the ODIS log)

Time to conduct the adaption drive

Labour Operation Code 01 21 00 00

Time 50 TU

Genuine parts

Not applicable

Parts supply

Not applicable

Parts despatch control

Not applicable

Repair instructions

**Notes**

Technical background

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NOTICE

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Check

If the vehicle is not already listed as repaired in the "Repair History" (Elsa Pro) check for the presence of the silver paint completion mark as shown within the Identification section (Figure 4)

Genuine parts

Not applicable

Work

Software update - Engine control unit (Address 01)

- The closed-circuit voltage of the vehicle must be at least 12.5 V during the update. Connect a suitable battery charger to the vehicle. For further information refer to the Repair manual.
- During the update switch off all unnecessary consumers (ventilation, seat heater, interior illumination etc)
- Because of the highest transmission stability you **MUST** use the diagnosis interface VAS 6154 (WiFi diagnostic tool) **ONLY** in USB operation or the cable-connected VAS 5055 for the reprogramming (updating) of control units. If these units are not available, the diagnosis interface VAS 5054 (A) can also be used in USB mode
- Do Not under any circumstances use a Bluetooth connection to conduct the reprogramming (updating) of control units

1) Select and run Guided fault finding

- Within the Special functions tab select SVM - Code input then select Perform test (Figure 1)

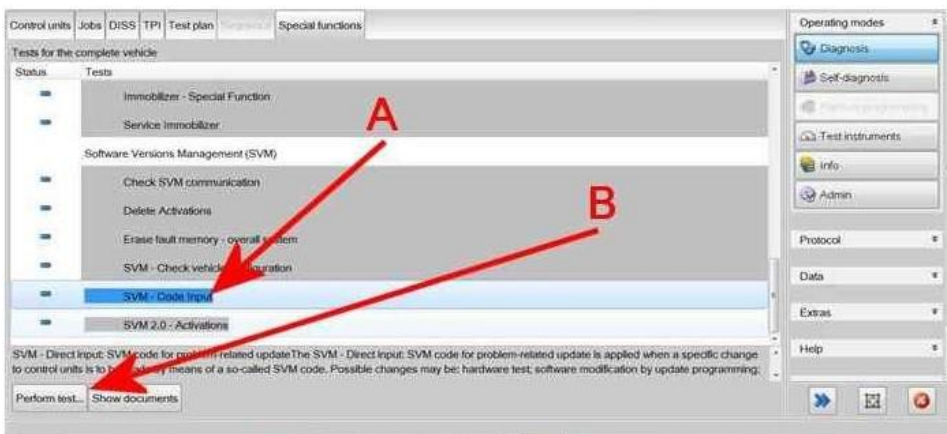


Figure 1

2) On the next screen enter SVM code **3Y0ECMLEVC601** (Figure 2)

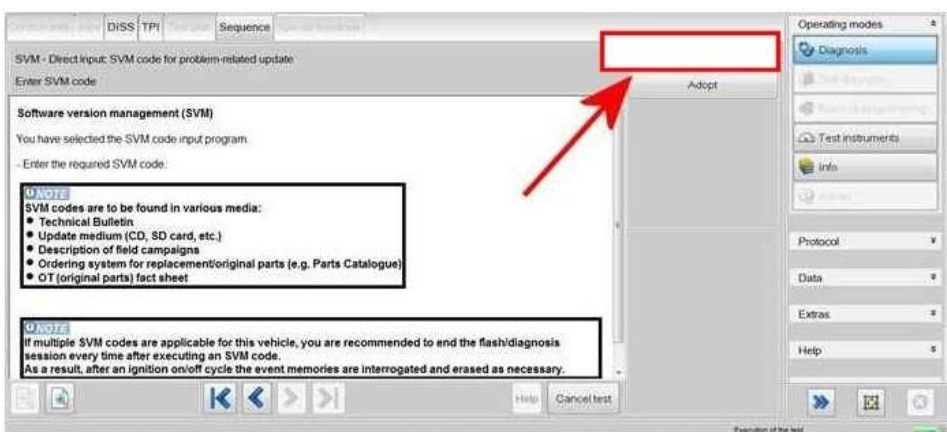


Figure 2

3) On the following screen, confirm the SVM code is correct

- All control modules will now be interrogated
- The software update will then be suggested
- The software of 01 - Engine Control unit will be updated

4) Carry out all on screen prompts until completion



After the programming is complete, gear selection may not be possible. To wake up the system a bus silence is required, carry out the following steps in the order stated below:

- Switch off the ignition
- Remove the diagnostic interface from the OBD port
- Switch off and remove the battery charger from the vehicle
- Close the bonnet, boot and all doors
- Lock the vehicle
- Wait 5 minutes to allow the vehicle to go into bus silence
- When 5 minutes has elapsed, unlock the vehicle and open the driver's door
- Switch on the ignition
- Confirm that the gear selection is now possible

5) Clear the vehicle of any DTC's generated as a result of performing steps 1 through to 4

6) Conduct the adaption drive as follows:

NOTICE

An open road is required to perform the adaption

CAUTION

All road safety rules and speed limits must be adhered to when carrying out the below procedure. The adaptations must be performed in manual gear

- Select manual by pressing the M button on the steering wheel

NOTICE

Confirm M drive is selected by viewing the gear selection status in the Drivers Information Panel (Figure 3)



Figure 3

- When possible select 3rd gear (manual)
- Accelerate to 3500-3750rpm, briefly stabilise the throttle input
- Once the desired RPM has been achieved release the throttle completely allowing the vehicle to coast down to 2500rpm

WARNING

If the brake or throttle is pressed before reaching this point you must discount this adaption attempt and repeat

7) Repeat step 6 a further 14 times

CAUTION

When 15 adaption cycles have been performed, the adaption process is complete

8) On return from the adaption drive - Clear the vehicle of any DTC's generated as a result of performing steps 1 through to 7 before returning the vehicle to the owner

9) Apply a silver paint completion mark as shown in the Identification section (Figure 4)

Identification

A silver campaign identification mark next to the OBD port confirms completion (Figure 4)

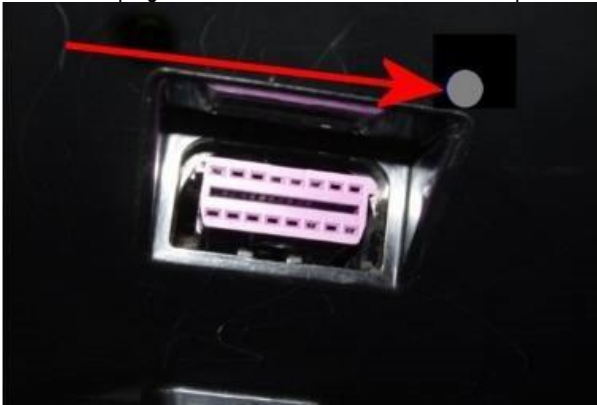


Figure 4

▲ [Repair instructions](#) ▲ [Notes](#)

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