

Field campaign

Topic	V8 Kovomo - Engine control module (SC19/25)
Market area	United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2056414/2
Campaign number	EB39
Note	
Type	
US code	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14D9	2020	E		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	AM2	ZV	0	L	C	028937	028937		
SJA	AM2	ZV	X	L	C	028069	028069		
SJA	AM2	ZV	0	L	C	029103	029103		
SJA	AM2	ZV	2	L	C	028468	028468		
SJA	AM2	ZV	3	L	C	027975	027975		
SJA	AM2	ZV	X	L	C	028489	028489		
SJA	AM2	ZV	1	L	C	028977	028977		
SJA	AM2	4V	4	L	C	028141	028141		
SJA	AM2	4V	X	L	C	028158	028158		
SJA	AM2	4V	4	L	C	028267	028267		
SJA	AM2	4V	8	L	C	028952	028952		
SJA	AM2	ZV	6	L	C	028053	028053		
SJA	AM2	ZV	1	L	C	028378	028378		
SJA	AM2	ZV	4	L	C	028441	028441		
SJA	AM2	ZV	3	L	C	027877	027877		
SJA	AM2	ZV	5	L	C	027895	027895		
SJA	AM2	ZV	0	L	C	027917	027917		
SJA	AM2	ZV	2	L	C	027921	027921		
SJA	AM2	ZV	0	L	C	027934	027934		
SJA	AM2	ZV	0	L	C	028288	028288		
SJA	AM2	ZV	0	L	C	028338	028338		
SJA	AM2	ZV	7	L	C	028076	028076		
SJA	AM2	ZV	8	L	C	028491	028491		
SJA	AM2	ZV	4	L	C	028522	028522		
SJA	AM2	ZV	7	L	C	028305	028305		
SJA	AM2	ZV	7	L	C	027977	027977		
SJA	AM2	ZV	2	L	C	028342	028342		
SJA	AM2	ZV	2	L	C	027871	027871		
SJA	AM2	ZV	1	L	C	027876	027876		
SJA	AM2	ZV	6	L	C	027887	027887		
SJA	AM2	ZV	8	L	C	027891	027891		
SJA	AM2	ZV	7	L	C	027901	027901		
SJA	AM2	ZV	X	L	C	027911	027911		
SJA	AM2	ZV	8	L	C	027924	027924		
SJA	AM2	ZV	6	L	C	027937	027937		
SJA	AM2	ZV	X	L	C	027939	027939		
SJA	AM2	ZV	X	L	C	027990	027990		

SJA	AM2	ZV	3	L	C	028060	028060		
SJA	AM2	ZV	2	L	C	028177	028177		
SJA	AM2	ZV	7	L	C	028045	028045		
SJA	AM2	ZV	2	L	C	028390	028390		
SJA	AM2	ZV	7	L	C	029048	029048		
SJA	AM2	ZV	4	L	C	027970	027970		
SJA	AM2	ZV	5	L	C	028075	028075		
SJA	AM2	ZV	1	L	C	028364	028364		
SJA	AM2	ZV	9	L	C	028015	028015		
SJA	AM2	ZV	9	L	C	028029	028029		
SJA	AM2	ZV	5	L	C	028352	028352		
SJA	AM2	ZV	3	L	C	028706	028706		
SJA	AM2	ZV	6	L	C	028201	028201		
SJA	AM2	ZV	5	L	C	028948	028948		
SJA	AM2	ZV	8	L	C	028426	028426		
SJA	AM2	ZV	2	L	C	028213	028213		
SJA	AM2	ZV	4	L	C	028410	028410		
SJA	AM2	ZV	3	L	C	028480	028480		
SJA	AM2	ZV	4	L	C	028293	028293		
SJA	AM2	ZV	7	L	C	028241	028241		
SJA	AM2	ZV	4	L	C	028259	028259		
SJA	AM2	ZV	4	L	C	028276	028276		
SJA	AM2	ZV	9	L	C	028225	028225		
SJA	AM2	ZV	4	L	C	028472	028472		
SJA	AM2	ZV	3	L	C	028057	028057		
SJA	AM2	ZV	2	L	C	028311	028311		
SJA	AM2	ZV	8	L	C	028149	028149		
SJA	AM2	ZV	0	L	C	028176	028176		
SJA	AM2	ZV	6	L	C	028179	028179		
SJA	AM2	ZV	8	L	C	028197	028197		
SJA	AM2	ZV	7	L	C	028451	028451		
SJA	AM2	ZV	1	L	C	028459	028459		
SJA	AM2	ZV	5	L	C	029002	029002		
SJA	AM2	ZV	2	L	C	027899	027899		
SJA	AM2	ZV	6	L	C	028019	028019		
SJA	AM2	ZV	X	L	C	027892	027892		
SJA	AM2	ZV	3	L	C	027913	027913		
SJA	AM2	ZV	4	L	C	027967	027967		
SJA	AM2	ZV	8	L	C	028359	028359		
SJA	AM2	ZV	9	L	C	028371	028371		
SJA	AM2	ZV	3	L	C	028799	028799		
SJA	AM4	ZV	9	L	C	027992	027992		
SJA	AM2	ZV	1	L	C	028042	028042		
SJA	AM2	ZV	1	L	C	028073	028073		
SJA	AM2	ZV	1	L	C	028297	028297		
SJA	AM2	ZV	3	L	C	028415	028415		
SJA	AM2	ZV	5	L	C	028285	028285		
SJA	AM2	ZV	9	L	C	028323	028323		
SJA	AM2	ZV	2	L	C	028373	028373		
SJA	AM2	ZV	6	L	C	028456	028456		
SJA	AM2	ZV	2	L	C	028499	028499		
SJA	AM2	ZV	3	L	C	028530	028530		
SJA	AM2	ZV	9	L	C	028600	028600		
SJA	AM2	ZV	6	L	C	029087	029087		
SJA	AM2	ZV	0	L	C	029117	029117		
SJA	AM2	ZV	8	L	C	029169	029169		
SJA	AM2	ZV	X	L	C	029058	029058		
SJA	AM2	ZV	0	L	C	028551	028551		
SJA	AM2	ZV	8	L	C	029012	029012		

SJA	AM2	4V	6	L	C	028951	028951		
SJA	AM2	ZV	8	L	C	029253	029253		

Documents

Document name
master.xml

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Notes

▫ [Repair instructions](#)

Technical background

Software update required to the engine control module

IMPORTANT NOTE: Please make sure you have installed the latest ODIS diagnostic software version (Figure 1) before carrying out the instructions within the

Measure section of this TPI

New ODIS version must be 5.1.6 / 2.26.11 or above

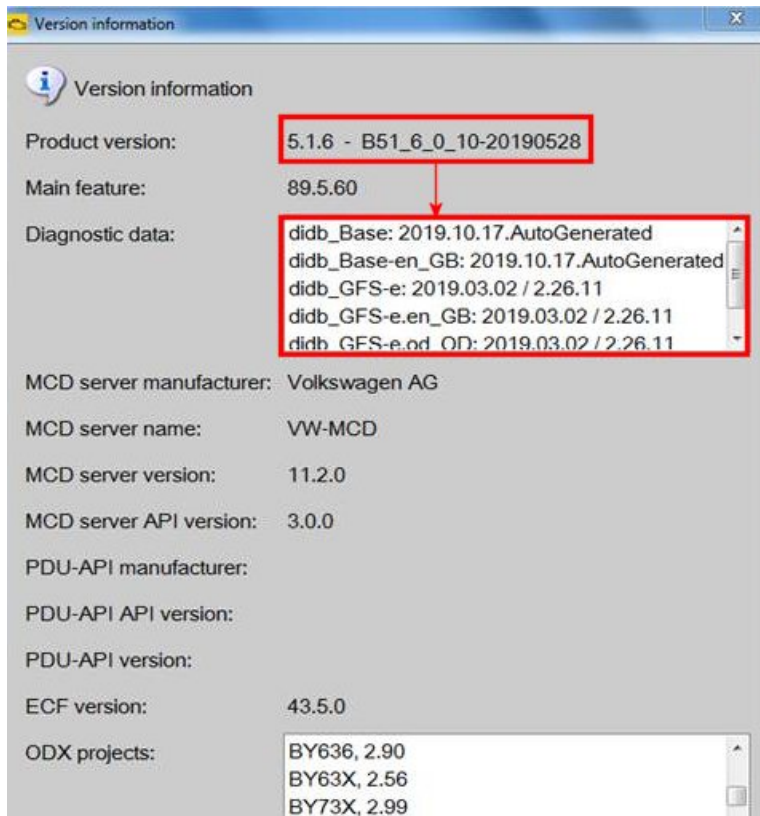


Figure 1

Remedy

Software update for the engine control module

Customer notification

Customers do not need to be informed directly of this campaign. Please ensure that all affected vehicles are repaired either immediately after carrying out the Pre Delivery Inspection, or if the vehicle is a Retailer demonstrator or stock vehicle the update must be conducted before sale

Warranty

Warranty type	710 or 790
Labour Operation Code	01 29 00 08
Damage Service Number	EB39
Damaged Code	00 66
Time	80 TU
Criteria ID	01

Parts

Not applicable

Parts supply

Not applicable.

Parts despatch control

Not applicable.

Repair instructions

□ Notes

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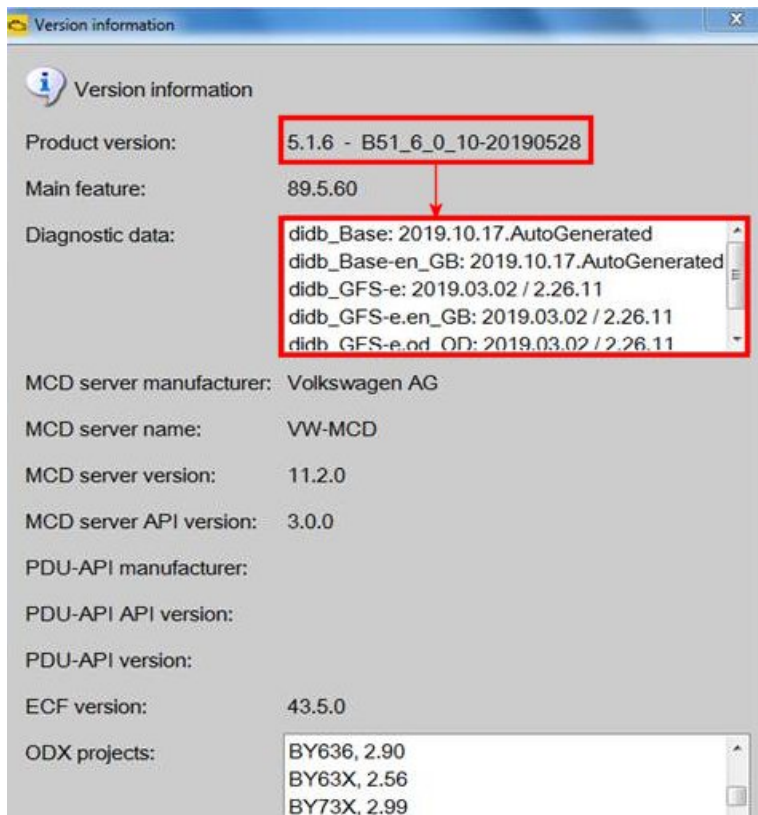


Figure 1

Check

If the vehicle is not already listed as repaired in the 'Repair history' section of ElsaPro, check for the presence of the green campaign identification mark as Figure 14. In the event the campaign has not been applied, please carry out the required work in accordance with these instructions.

Parts

Not applicable

Work

□

IMPORTANT: Transport mode and loading mode must be deactivated before the procedure within this document is conducted

General information before the software update is conducted:

- 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 we recommend the use of the diagnosis interface VAS 6154 (WiFi diagnostic tool) only in the 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.

1. Select and run Guided fault finding. Within the Special functions tab select SVM – Problem related Hardware/Software update then select Perform test (Figure 2)

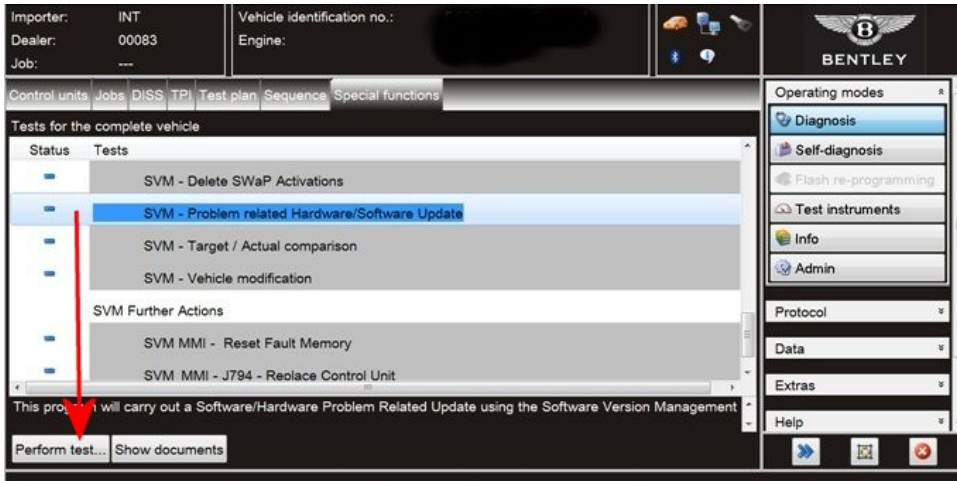


Figure 2

2. On the next screen enter the SVM code 4V0SJG01 and select Adopt (Figure 3)

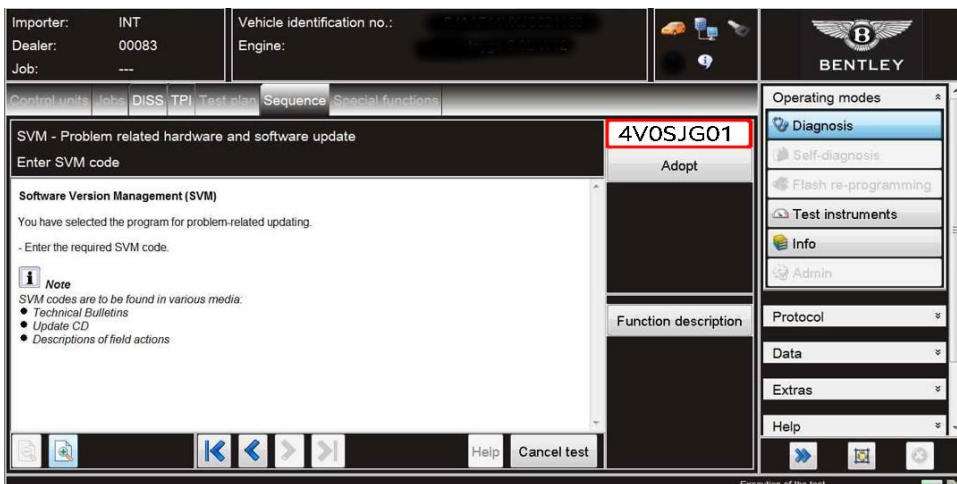


Figure 3

3. On the following screen, confirm the SVM code is correct and select Yes.

4. All control modules will now be interrogated.

5. The software update will then be suggested, select Yes.

6. The software of the 01 – Engine Control Module 1 will then be updated, a progress bar will be displayed.

7. Once the software update is complete, a confirmation screen will be evident to clarify the update has been successful (Figure 4)

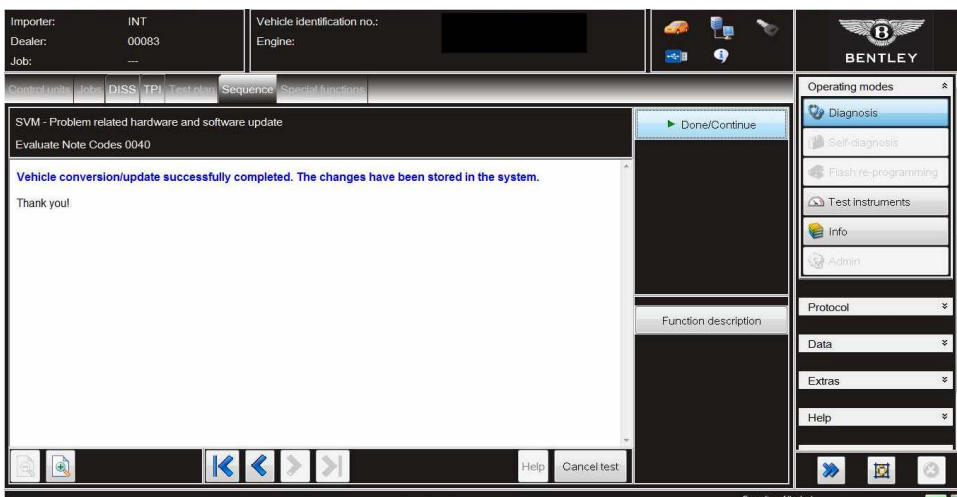


Figure 4

IMPORTANT: Attempt to clear All DTC's before the next part of the procedure is conducted

NOTE: Some DTC's may not clear as they are related to the Basic settings procedures that MUST be conducted as per the onward instructions

8. Select Guided functions from *01 – Engine Control Module 1*

- Select Basic settings (Figure 5)

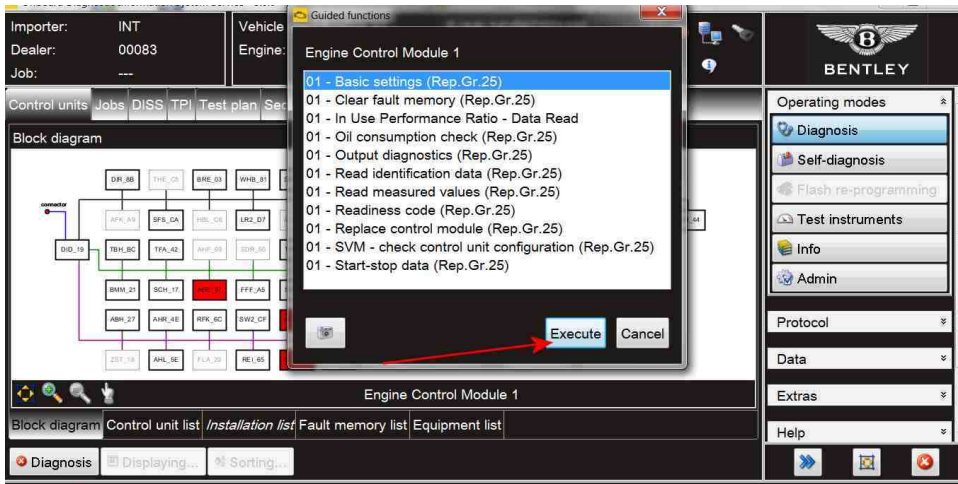


Figure 5

9. The below options will then be shown (Figure 6) Select Option -2- Throttle Adaption.

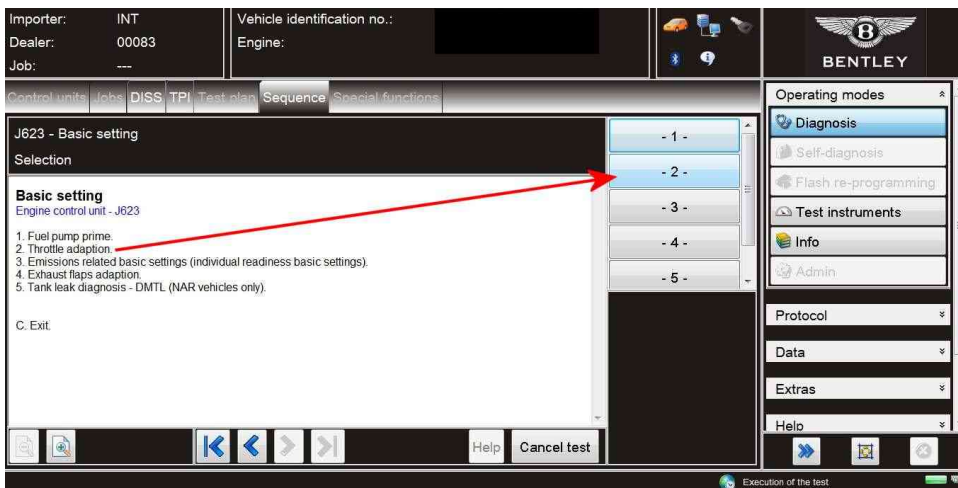


Figure 6

10. Both Throttle valve modules will now be adapted. Follow all on screen instructions. When the throttle valve modules are being adapted the following screen will be displayed (Figure 7)

IMPORTANT: Do not carry out any other actions until the *Adaption status* reads **ADP is OK and the message **Press → to continue** is displayed. When 'ADP is OK' is displayed press *Done/Continue*.**

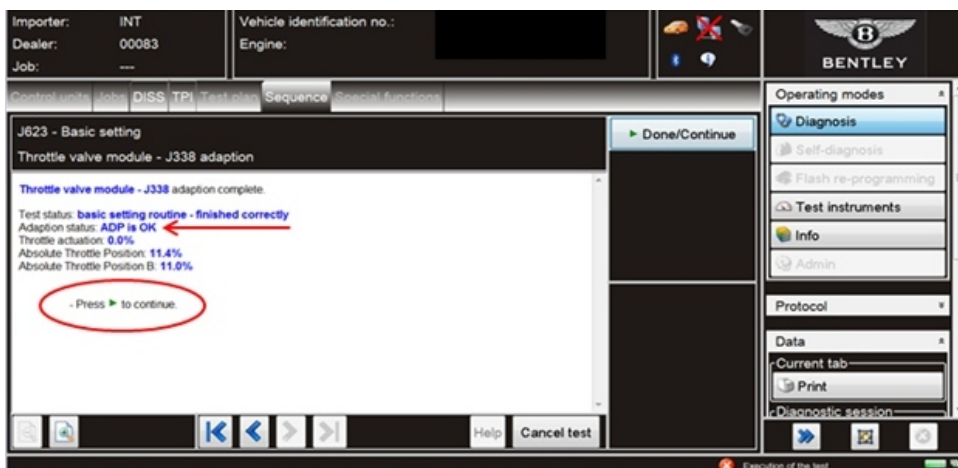


Figure 7

11. The basic setting screen will now be evident (Figure 8)

- Select and run Option -4- Exhaust flaps adaption

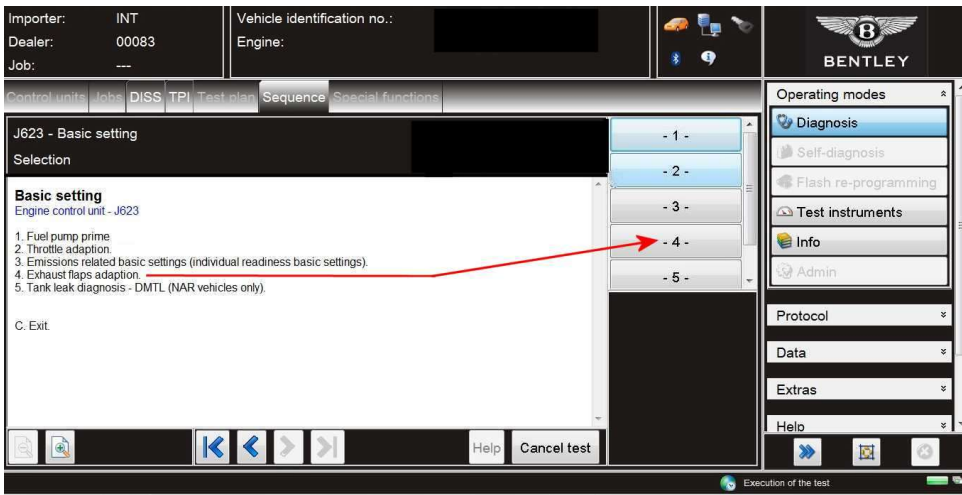


Figure 8

12. Referring to Figure 9 - Select -5- Tank leak diagnosis – DMTL (NAR vehicles only)

- Follow all remaining screen prompts until completion

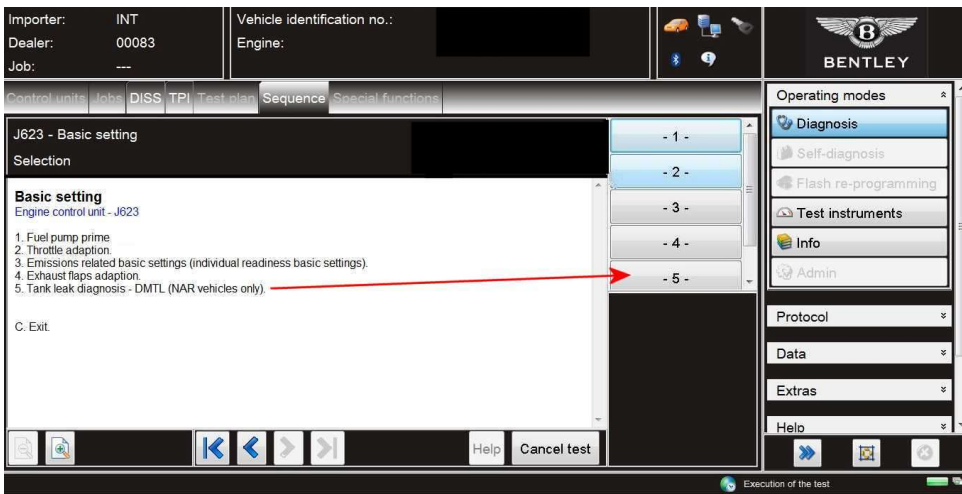


Figure 9

13. Referring to Figure 10 - Select -3- Emissions related basic settings (individual readiness basic settings)

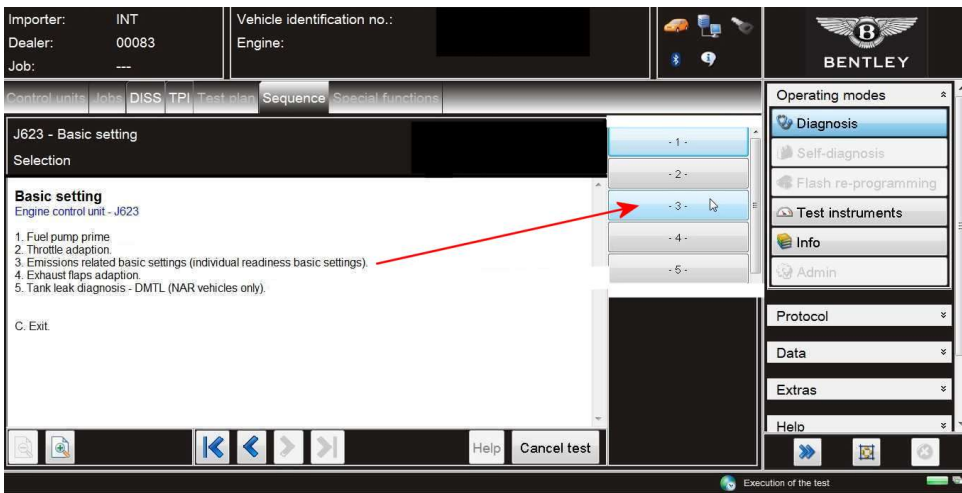


Figure 10

14. Referring to Figure 11 - A menu of 11 options will be evident

VERY IMPORTANT: You must now run each test individually, ensuring each test is completed.

DO NOT PROCEED TO THE NEXT TEST UNTIL THE PREVIOUS TEST WAS COMPLETED SUCCESSFULLY

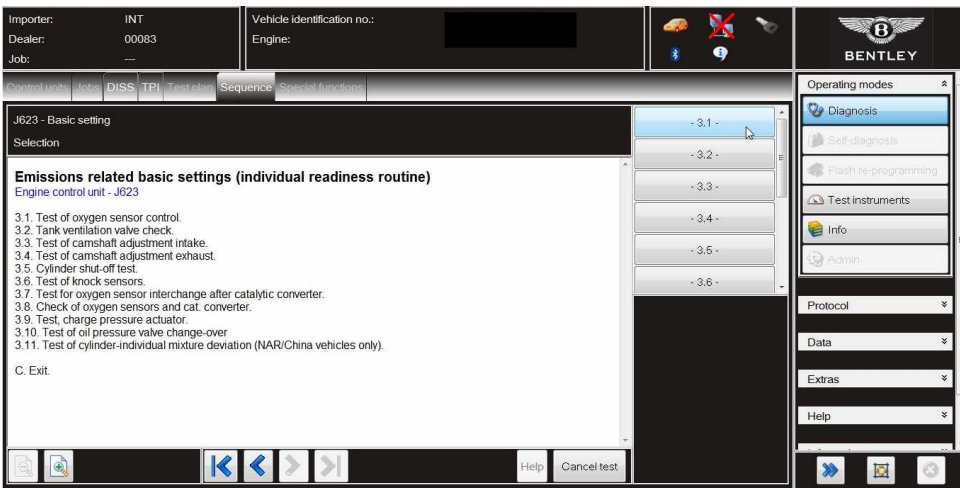


Figure 11

VERY IMPORTANT: THE FOLLOWING INSTRUCTIONS MUST BE ADHERED TO

NOTE: DO NOT CARRY OUT THE READINESS CODE TEST

- Select *Readiness code* Figure 12 (Point A)
- Select *Execute* (Point B)

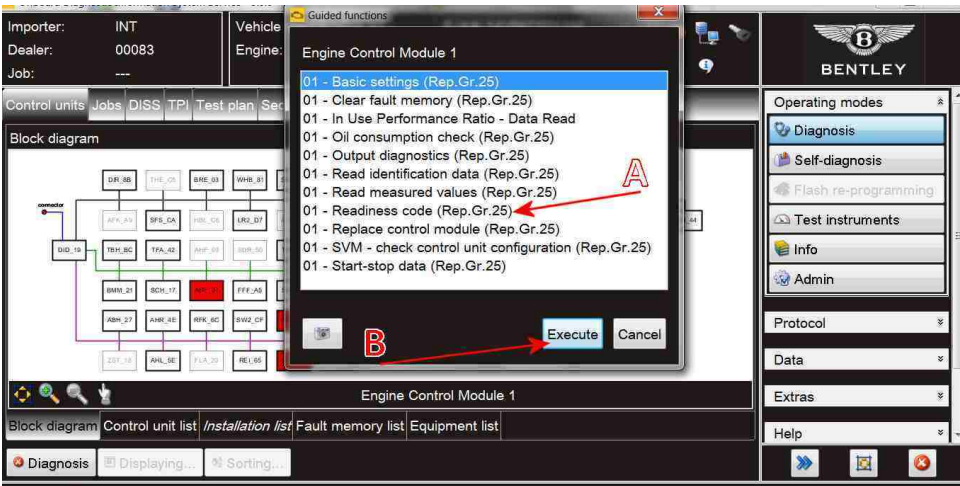


Figure 12

15. At this point check and confirm the actual readiness code, the readiness code MUST be as shown in Figure 13

Should the readiness code bytes be 00000000 NO FURTHER ACTION IS REQUIRED

Should ANY of the bytes be 1, YOU MUST repeat the Basic settings test again from step 8. Once complete you must then recheck and confirm the readiness code is 00000000

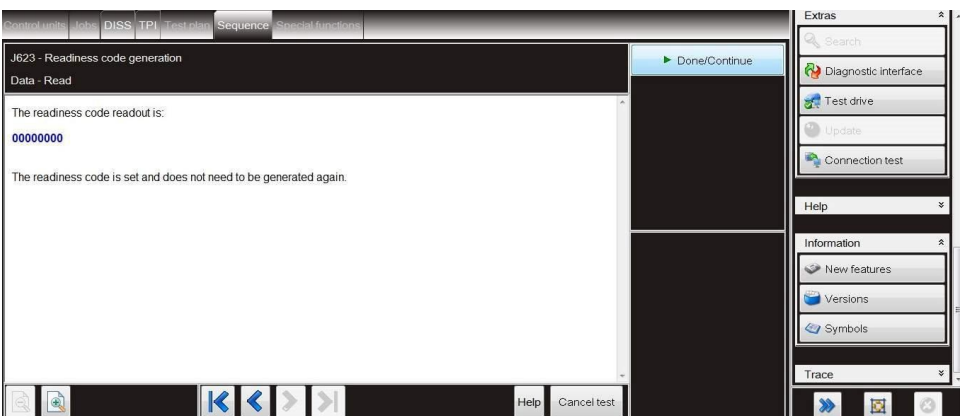


Figure 13

16. On completion apply a green campaign identification mark to the battery terminal cover (Figure 14)



Figure 14

Identification

Green campaign identification mark on the battery terminal cover (Figure 14)

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