Connection offline

Technical product information

Topic	Engine Management Light - N91 Coolant Valve | Flying Spur Hybrid
Market area	China 796 VW Import Comp. Ltd (Vico), Beijing (6796),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2083110/1
Level	EH
Status	Released for publishing
Release date	September 9 2026

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
00C5 - Thermal management	P26B100: Engine Coolant Bypass Valve "A" Stuck Closed		Intermittent
0001 - Engine electronics	P162400: Requirement - malfunction lamp on active		Intermittent

New customer code

Object of complaint	Complaint type	Position
engine -> cooling system -> coolant	soiling -> soiled	

New workshop code

Object of complaint	Complaint type	Position
engine -> cooling system -> auxiliary coolant pump	control units, services -> with event log entry	right
engine -> cooling system -> coolant regulator	functionality -> defective function sequence	

Vehicle data

22MY Flying Spur Hybrid

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZG2*	2022	E		*	*	*

Documents

Document name
master.xml

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Customer statement / workshop findings

Customer statement:

Malfunction Indicator Lamp (MIL) is illuminated in the Driver Information Panel (DIP).

Technical background

Some 22MY Flying Spur Hybrid vehicles may exhibit an illuminated Malfunction Indicator Lamp (MIL) due to DTC P26B100 - Engine Coolant Bypass Valve "A" Stuck Closed being stored in the Thermal Management Control Module (00C5). When this DTC is present, the Thermal Management system displays MIL light on the DIP, resulting in DTC P162400 being stored in the Engine Control Module.

A software update is available to address this condition.

Production change

Not applicable

Measure

Software Update Instructions

CAUTION

The Bentley ODIS-S Brand Version MUST be at least 2.36.00 (or higher)

CAUTION

Before conducting the onward instructions, the operative MUST recheck the communication method in ODIS and ensure that DoIP is selected before proceeding. Within ODIS-S, perform the following:

- **On the right hand side, select the "Admin" tile (Within 'Operating modes')**
- **Select "GFF sequence" (Within 'General information' section)**
- **Under the "Selection of Communication path" drop-down menu, select "Only permit DoIP communication".**

CAUTION

DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO CONDUCT THE SOFTWARE UPDATE VIA THE CAN NETWORK. ONLY DoIP SHOULD BE USED WHEN PERFORMING THE SVM UPDATE.

Battery Charger

CAUTION

ONLY Chargers that meet the approved specification on the Mandatory Equipment List (available on the Bentley Hub) MUST be used.

- **The charger must be set to a mode where a MINIMUM of 90a is supplied to the battery during the process. Typically, this is known as 'Power Supply Mode' or 'DIAG+ Mode'.**
- **A voltage of exactly 14.8v must be set and maintained throughout the process.**
- **Please refer to the manual to ensure that these requirements are met before beginning any SVM update**

Preparation before update

WARNING

Vehicles using a High voltage system MUST only be worked on by suitably qualified personnel

CAUTION

During the update, switch off all unnecessary consumers. For example, ventilation, seat heaters, interior illumination, exterior lights ect.

1. Connect a suitable battery charger and vehicle tester to the vehicles.

2. Conduct a full guided fault find of the vehicle and address any unknown faults **BEFORE** conducting the below update

3. Select the special functions tab

4. Navigate to 'SVM – Code Input' and enter the following SVM code: **371C5SW0305**

NOTICE

Ensure that the Mirror server is connected when running the SVM code.

5. On the next screen, ensure that the SVM code is correct.

6. You will be shown the communication type. This **MUST** be set to "DoIP".

a. If "DoIP" is not selected, select option 3 until the communication type is set to "DoIP".

7. Ensure that the vehicle tester remains connected for the duration of the update.

8. Follow all on-screen prompts until the program ends.

a. You may be required to perform various ignition cycles during the test so ensure that you are situated around the vehicle/ODIS-S device for the full update.

9. Once complete, navigate to the ECU **00C5,** read the identification data from the ECU in the table below and verify that software versions match the target.

Right click relevant control unit > Guided Functions > Read Identification Data

Diagnostic Address	ECU name	Target Software Version	New Target Data Container [TDC]
00C5	Thermal Management	0305	V03935363XX

If the software does not match the target software. Rerun SVM code input, If the software version cannot be corrected.

a. Please raise a FULL TECHNICAL DISS query.

b. Customer Statement: “2083110 Support”

c. Workshop Findings: Give a summary of the error encountered and ensure that the latest Guided Fault-Finding log is submitted online.

10. After successful completion of the update, perform the following.

a. Turn off the ignition

b. Remove all equipment from the car (Diagnostic tester/dongle, battery charger, keys)

c. Close all doors, windows, bonnet and boot lid

d. Lock the vehicle to perform a CAN-BUS sleep (wait 15 minutes).

11. After 15 minutes, unlock and open the driver’s door. Turn on the ignition, re-connect the battery charger and diagnostic dongle.

12. Re-run guided fault finding and clear DTCs. If any faults are present, refer to TPI 2075920. If any other faults are present, please raise a full DISS query with a full GFF log uploaded online stating the error encountered.

13. If in the event the issue is not resolved the operative must respond via an existing DISS query or raise a new technical DISS query and await a response before conducting any further work

Warranty accounting instructions

Warranty type: 110 or 910

Damage service number: 24 70

Damage code: 02 02

Time to perform SVM Update

Labour Operation Code: 01 51 00 00

Time: As per ODIS log (Must not exceed 30 TU)

Additional Time Allowance

A 70TU allowance may be claimed only if a SVM update fails to complete successfully. This is intended to cover additional diagnostic or recovery work directly resulting from the failed update. It must not be used for unrelated delays or issues.

ODIS logs must be attached to a DISS ticket for evidence of failure. Claims without valid documentation will be rejected. Warranty Adjudicators will review associated ODIS logs and DISS queries to determine actual software update time.