



Q5 PHEV 2024

HV Charger DTC B200000: Control module faulty

Fault clearing procedure

Audi of America | June 2024



B200000

Fault Clearing Procedure

Offboard Diagnostic Information System Service - 24.0.1 (Confidentiality level: confidential)

Assignment: —

Control modules Results

Vehicle OBD: Total DTC memory Control module OBD: Basic Setting

| System | Bus system | SB | Event | Connection | Update |
|--|------------|----|-------|------------|--------|
| 0074 - Chassis control (coded => Actual installation not detected) (UDS / ISOTP / 80A907777AK / 1253 / H38 / EV_ChassContrContiAU426 001004) | Flexray 0 | | (OK) | | Now |
| 0075 - Emergency call module and communication unit (UDS / ISOTP / 4KE035283L / 0595 / 043 / EV_ConBoxHighAU49X 001004) | VLAN 3 | | OK | | |
| 0081 - Shift lever (UDS / ISOTP / 80B713041AD / 0077 / H10 / EV_GSMWaaHzFAU736 001017) | CAN 3 | | OK | | |
| 0082 - Head-Up-Display (UDS / ISOTP / 80A919617F / 2236 / H17 / EV_HudNSEIKAU736 001017) | CAN 3 | | OK | | |
| 008B - Distance regulation 2 (coded => Actual installation not detected) (UDS / ISOTP / 80A907541F / 0462 / H14 / EV_ACC2BOSCHAU49X 00302) | Flexray 0 | | (OK) | | |
| 008C - Hybrid battery management (UDS / ISOTP / 4M4915233AF / 0381 / H16 / EV_BECM0842071 001004) | CAN 6 | | 1 | | |
| 00A5 - Front sensor for drivers assistant systems (coded => Actual installation not detected) (UDS / ISOTP / 80A907217G / 0080 / H32 / EV_BVSM | Flexray 0 | | (OK) | | |
| 00C0 - Actuator for exterior noise (coded => Actual installation not detected) (UDS / ISOTP / 4N0035751 / 0105 / H04 / EV_PASDRETROEALPINPO | CAN 5 | | 2 | | |
| 00C5 - Thermal management (UDS / ISOTP / 4M0965429BC / 0401 / H09 / EV_ThermContrVISAU49X 003048) | CAN 6 | | OK | | |
| 00C6 - High-voltage battery charger (UDS / ISOTP / 9Y0915681D / 3310 / H62 / EV_OBC2PhaseKL0MLBevP 001001) | CAN 6 | | 2 | | |
| 00CA - Sunroof control module (coded => Actual installation not detected) (UDS / ISOTP / 4K8907594AC / 0010 / 010 / EV_SunRoofCONTIAU736 | CAN 2 | | (OK) | | |
| 00CF - Lane change assistant 2 (coded => Actual installation not detected) (UDS / ISOTP / 4M0907590G / 0452 / H24 / EV_RearRadarS2BoschAU | CAN 5 | | (OK) | | |
| 00FF - Node address: 0xF0 - Unknown control module (No run time data available.) | CAN 19 | | — | | |
| 00FF - Node address: 0xF2 - Unknown control module (coded => Actual installation not detected) (No run time data available.) | VLAN 2 | | — | | |
| 00FF - Node address: 0xF5 - Unknown control module (coded => Actual installation not detected) (No run time data available.) | VLAN 7 | | — | | |
| 00FF - Node address: 0xF6 - Unknown control module (No run time data available.) | VLAN 7 | | — | | |
| BF03 - Node address: 0x03 - Additional bus connection 3 (No run time data available.) | CAN 6 | | — | | |

Networking Diagram Control Module List Components List DTC memory list Equipment List

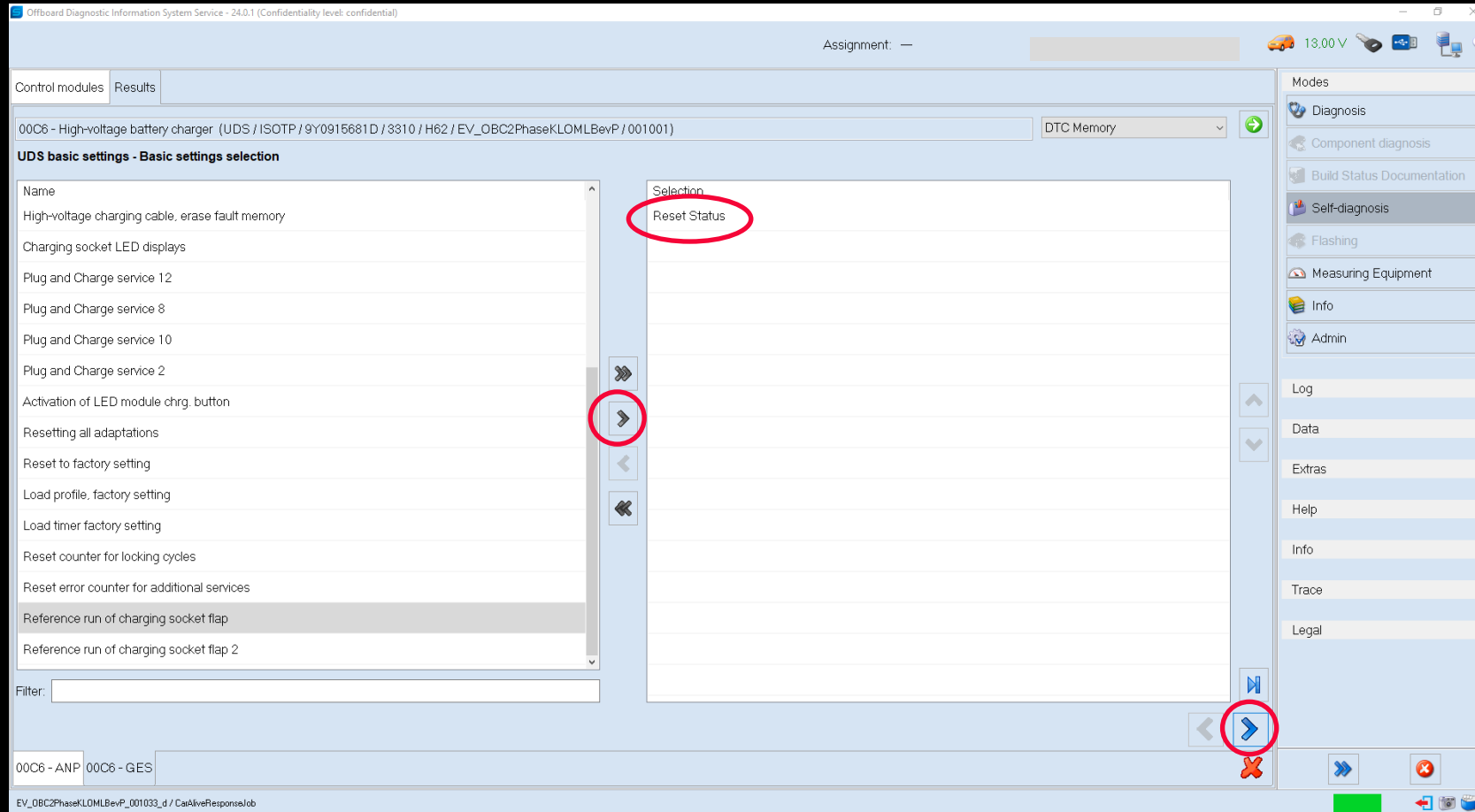
Diagnosis Display... Sorting...

EV_OBC2PhaseKL0MLBevP_001033_d / CarAliveResponseJob

3. Open ODIS and enter Self-diagnosis.
4. Select *00C6 – High-voltage battery charger*.
5. In the drop-down box next to “Control module OBD”, select *Basic Setting*.
6. Click on the green arrow next to drop-down box you just selected *Basic Setting* in.

B200000

Fault Clearing Procedure



7. Find and select the basic setting routine *Reset Status*.

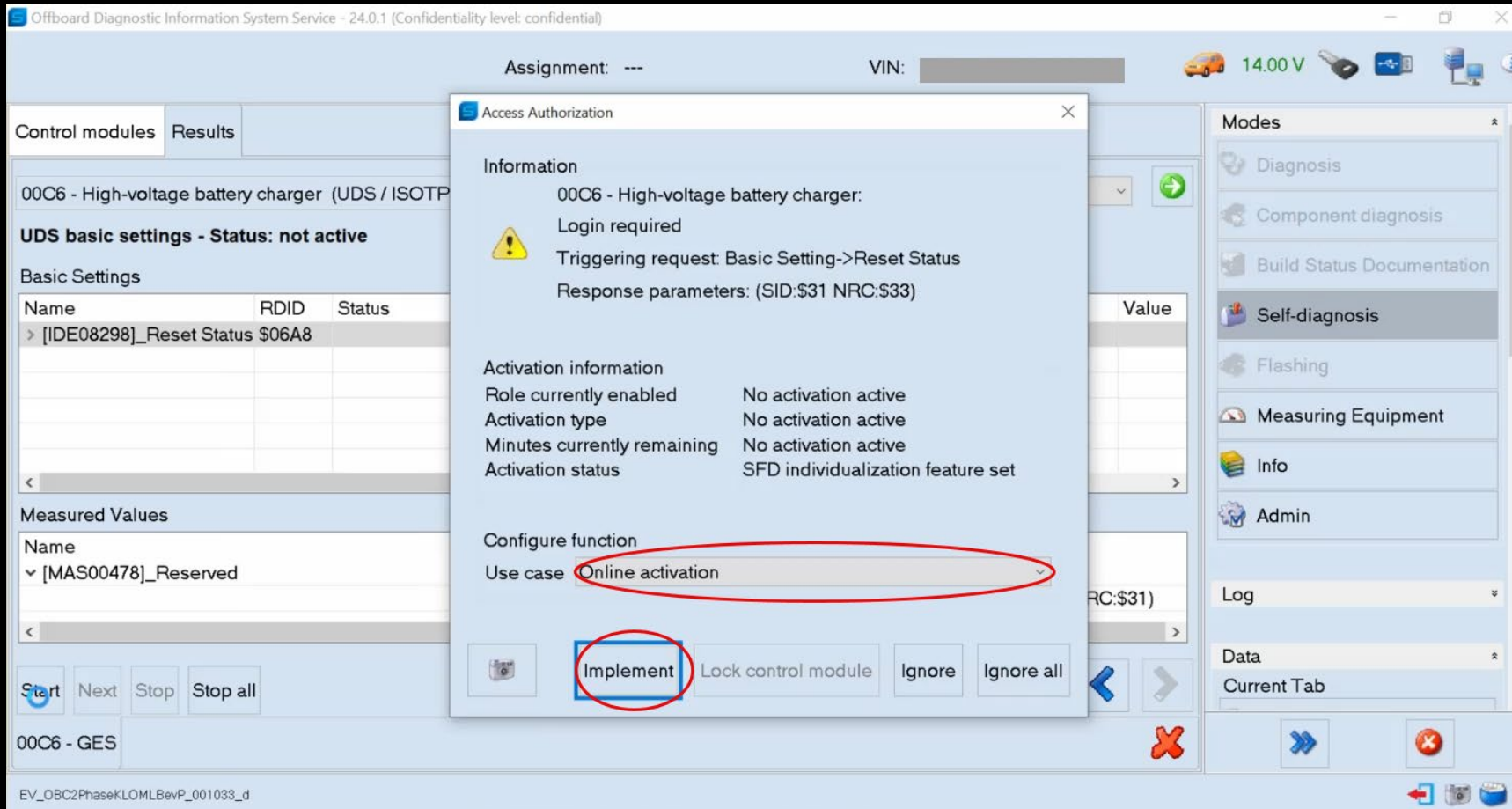
8. Click on the right arrow to continue.

B200000 Fault Clearing Procedure

14. An access authorization dialog-box should pop up.

15. In the drop-down box next to “Use case”, select *Online activation*.

16. Click on *implement*.



B200000

Fault Clearing Procedure

Offboard Diagnostic Information System Service - 24.0.1 (Confidentiality level: confidential)

Assignment: --- VIN: [REDACTED] 14.00 V

Control modules Results

00C6 - High-voltage battery charger (UDS / ISOTP / 9Y0915681D / 3310 / H62 / EV_OBC2Phase) DTC Memory

UDS basic settings - Status: not active

Basic Settings

| Name | RDID | Status | Result | Value |
|----------------------------------|------|---|---|-------|
| > [IDE08298]_Reset Status \$06A8 | | Function not available. (SID:\$31 NRC:\$12) | Function not available. (SID:\$31 NRC:\$12) | |

Measured Values

| Name | RDID | Value |
|-----------------------|--------|---|
| ▼ [MAS00478]_Reserved | \$0000 | Function not available. (SID:\$22 NRC:\$31) |

Start Next Stop Stop all

00C6 - GES

EV_OBC2PhaseKLOMLBevP_001033_d

Modes

- Diagnosis
- Component diagnosis
- Build Status Documentation
- Self-diagnosis
- Flashing
- Measuring Equipment
- Info
- Admin

Log

Data

Current Tab

17. Start basic settings.

18. The “Status” of Function not available is okay.

19. Click the green arrow to run “DTC Memory”

B200000

Fault Clearing Procedure

Offboard Diagnostic Information System Service - 24.0.1 (Confidentiality level: confidential)

Assignment: --- VIN: [REDACTED] 12.97 V

Control modules Results

00C6 - High-voltage battery charger (UDS / ISOTP / 9Y0915681D / 3310 / H62 / EV_OBC2PhaseKLOMLI Basic Setting

| Event code | SAE code | Event text | Active |
|---------------------|----------|-----------------------|--------|
| 100200 [1049088] | B200000 | Faulty control module | X |

Update
Now
 cyclic
2 s
Sort
Date
Erase
DTC Memory
OBD systems
 DTC snapshots

| Type / Name | Value | Bit | Value |
|-------------|------------------|-----|---|
| UB | | 0 | active/static |
| Event code | 100200 [1049088] | 1 | Malfunction has not occurred in current operating cycle |
| Priority | 2 | 2 | Malfunction in current or last driving cycle detected |

00C6 - ESP 00C6 - GES

EV_OBC2PhaseKLOMLBevP_001033_d

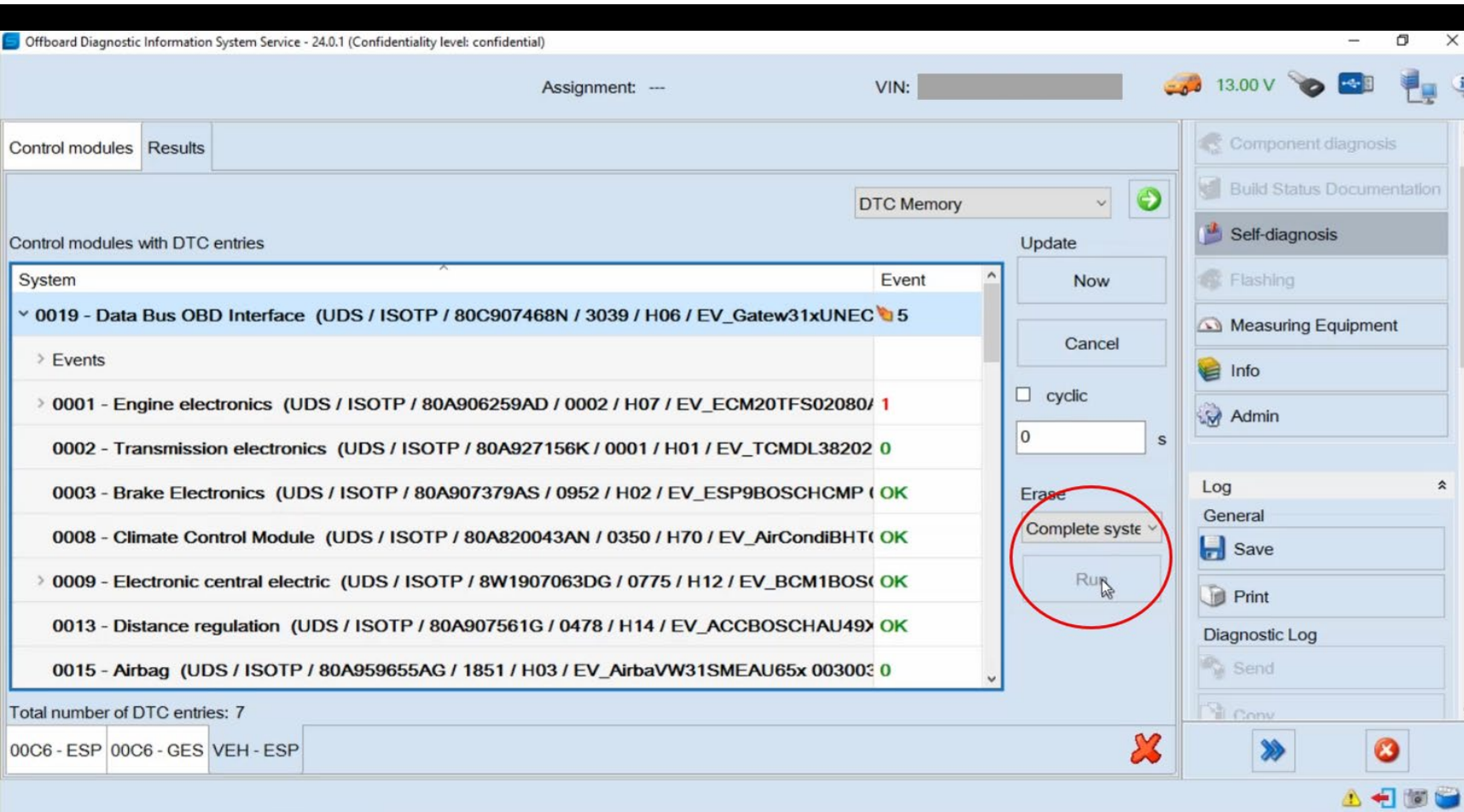
20. You should see the following DTCs stored Active/Static

21. Select Erase OBD systems

22. The DTC is now clear

B200000

Fault Clearing Procedure



23. Select “Vehicle OBD” Total DTC Memory

24. Select Erase “Complete system” “Run”

25. Cycle the ignition and shift to drive and reverse twice and ensure the MIL is no longer illuminated.

B200000

Fault Clearing Procedure

Verification:

- › Verify the charging function of the ULK
 - › Does it charge on 220V?
 - › Does it charge on 110V (when set to 50%)?
- › Verify that the MIL is off and that no related warning messages are displayed on the instrument cluster.
 - › Drive the vehicle in at least two different charging sessions (a few feet forward and back are enough).
- › Re-read the DTCs in the High voltage battery charger control module -J1050- (address word 00C6).
 - › Report to TAC if any DTCs are entered.

Thank

Thank You!

You