



# Technical Service Bulletin

## 91 Navigation, Bluetooth, Smartphone Interface, Voice Recognition, Drive select, ACC, or Cruise Control Not Available

91 16 91 2042506/4 November 17, 2016. Supersedes Technical Service Bulletin Group 91 number 16-64 dated July 26, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2015 - 2018	All	Not Applicable
A4, Q7, R8	2017 - 2018	All	Not Applicable
A6, A7, TT	2016 - 2018	All	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Title</i> (Moved Navigation and Bluetooth to the front) Revised <i>Service</i> (Removed hardware replacement and added ODIS test plan for deleting activations).
3	07/26/2016	Revised <i>Title</i> Revised <i>Header Data</i> (Added DTCs) Revised <i>Condition</i> (Added DTC) Revised <i>Technical Background</i> (Updated entire section) Revised <i>Service</i> (Completely updated step 1)
2	04/14/2016	Revised <i>Title</i> Revised <i>Header Data</i> (Added models and model years) Revised <i>Condition</i> (Added condition and image) Revised <i>Technical Background</i> (Updated list of functions; added Note) Revised <i>Service</i> (Completely revised)

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The customer complains of one or more of the following conditions:

- Audi drive select functions cannot be selected (Figure 1).
- Cruise control does not work (in A3, TT, R8, B9, or Q7 only) and **DTC P161200** (ECM incorrect coding) is stored in one or more of the control units on the Powertrain CAN bus (address word 0003 (ABS)), (address word 0001 (ECM), etc.).
- Navigation is not activated (Figure 2 and Figure 3).
- Bluetooth is unavailable.
- Audi smartphone interface, including CarPlay or Android Auto, is not available.
- Voice recognition is unavailable (in all cars except A3 cabriolet. For A3 cabriolet, see TSB 2038136).



**Figure 1.** Audi drive select functions unavailable and greyed-out.



**Figure 2.** Navigation not activated message (Original MIB HMI).



**Figure 3.** Navigation not activated message (New MIB2 HMI).



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## Technical Background

Audi drive select, ACC, regular cruise control, navigation, Audi smartphone interface, Bluetooth, and voice recognition are functions controlled by activation keys, which are stored in certain control units in the vehicle. These activation keys are designed to allow customer to purchase features/functions as an aftersales add-on. Some features are standard in the North American market but optional in other markets, so the activation codes are preprogrammed into the control units when a car for the North American market leaves the factory. The activation keys are stored in an AUDI AG backend server, and can be obtained through the SVM Activations test plan.

The following scenarios can cause the issues listed in the *Condition*:

- Replacement or vehicle-to-vehicle swap of the data bus diagnostic interface (Gateway), J533 (address word 0019), without running the SVM Recovery Activation test plan (automatically added in 19-GFF replacement test plan), or if the test plan is executed and fails.
- Replacement of the information electronics control module 1 (MMI), J794 (address word 005F), without running the SVM Recovery Activation test plan (automatically added in 5F-GFF replacement test plan), or if the SVM Activation test plan is executed and fails.
- Replacement of the complete lock set in the vehicle without running the SVM Activations test plan, or if the test plan fails.



### Note:

Always run the appropriate GFF Replacement test plan for an ECU when replacing the control unit. Do not rely on SVM spec/actual or SVM configuration.

- **DTC P161200** (ECM incorrect coding) is set in one or more of the control units on the Powertrain CAN bus when the ACC or regular cruise control function is not activated in the Gateway. This is by design to indicate to the technician that the feature will not be functional until the activation is completed in the Gateway module.

## Production Solution

Not applicable.

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## Service

### Required equipment:

- ODIS Tester.

### Time to complete update:

- Varies based on complaint and solution: 30-90 minutes.

### Repair procedure:

1. **For MMI related concerns (Navigation/Bluetooth/Smartphone Interface/Voice Recognition):** Enter the Red Engineering Update menu to view the status of all activation keys of the information electronics control module 1 (MMI), J794 (address word 005F): *Red Engineering Menu >> System >> Activation Keys*. It is not possible to view the activation keys of the data bus diagnostic interface (Gateway), J533 (address word 0019) without using ODIS.

**For other non-MMI related concerns (Drive Select/ACC/Cruise Control):** Skip to the repair procedure below.

2. **For A3 MIB1:** Hold north-west soft key + BACK button for 5-10 seconds (Press the BACK button first).

**For A6, A7 MIB2:** Hold north-west soft key + BACK button for 5-10 seconds (Press the BACK button first).

**For TT, R8, B9, Q7:** Hold left NAV toggle UP + right Media toggle DOWN for 5-10 seconds (Press NAV toggle up first).

### ACTIVATION KEY DEFINITIONS:

**Legal** = The activation key is activated in the MMI and the function should be active. If the function remains inactive, contact TAC.

**Temporarily withdrawn or Temp illegal** = This indicates that the SVM activation test plan was not completed (Figure 4). This status is normal for all parts that have been swapped from a different vehicle. Perform the SVM Activations test plan as indicated below, under *Repair Procedure*.

**Illegal** = This indicates that the activation key currently stored in the MMI is not for the vehicle in which it is currently installed. This status is normal for all service parts. If the part is original, this can be an indication of a software issue. Follow the *Repair Procedure* below.



**Figure 4.** Activation keys showing "Temporarily withdrawn."

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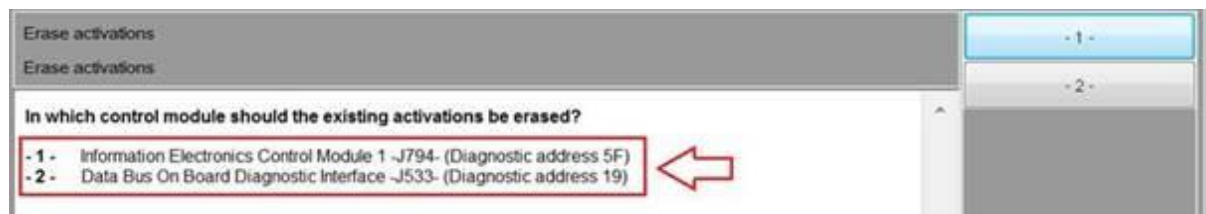
## Repair Procedure

1. There is a known issue with the activations keys stored in the MMI where they can become corrupt, thus the first step will be to delete the activation keys in the MMI. Delete the activations of the affected system using the ODIS test plan *DIAGNOSIS >> START DIAGNOSIS >> SPECIAL FUNCTIONS >> "SVM – Erase activations"* (Figure 5).



**Figure 5.** SVM – Erase activations.

2. When prompted choose the appropriate system to delete activations based on the customer's complaint:
  - For concerns with Navigation, Bluetooth, Audi Smartphone Interface, or Voice Recognition, select option - 1- for the MMI (Information Electronics Control Module 1).
  - For concerns with Audi Drive Select, Adaptive and Regular Cruise Control, select option -2- for the Gateway (Data Bus On Board Diagnostic Interface) (Figure 6).



**Figure 6.** MMI (Information Electronics Control Module 1); Gateway (Data Bus On Board Diagnostic Interface).

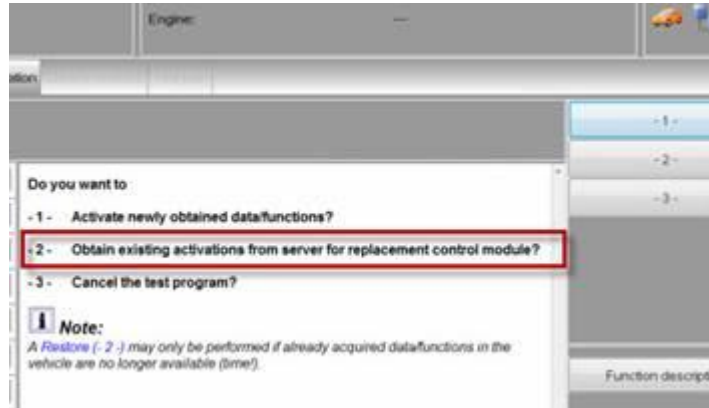
3. After deleting the activations it may be required to adapt the component protection of the entire vehicle system. To do this select the test plan "Diagnostic Interface f.Data.component.protection(basis)" under "Special Functions >> Component Protection functions".
4. Next, execute the SVM Activations test plan at *DIAGNOSIS >> START DIAGNOSIS >> SPECIAL FUNCTIONS >> SVM Activations >> PERFORM TEST >> -2- Obtain existing activations from server for replacement control module?*

This test plan will recover all activation codes for both the MMI and Gateway functions.

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5. When prompted, select “obtain existing activations” (Figure 7).



**Figure 7.** Obtain existing activations.

6. Next recheck the functionality. A three-finger reset may be required of the MMI system when performing the activations with the MMI (see the attached file [mib\\_mmi\\_shortcut\\_keys.pdf](#)). A reset is not required if the Gateway activations were recovered.
7. If the problem persists then contact TAC. No hardware replacement is authorized under this bulletin.



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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 months/50,000 miles.</li><li>• G10 for CPO Covered Vehicles - Verify Owner.</li><li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	9196		
<b>Damage Code:</b>	0039		
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 150 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB #2042506/4		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

## Additional Information

All parts and service references provided in this TSB (2042506) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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