



2016

**Pre-Delivery Inspection
Technician Reference Document**

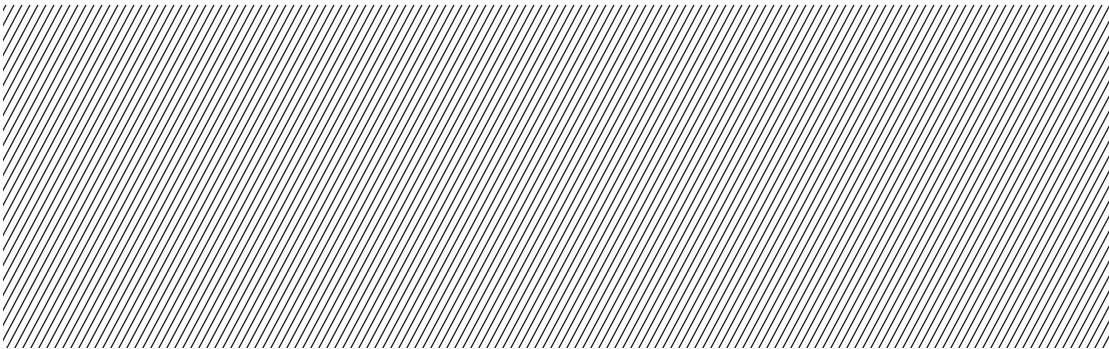


Table of Contents

Technician Reference Document

Technician Reference Document Overview

The Pre-Delivery Inspection Technician Reference Document is designed to be a resource used in hand with the Pre-Delivery Inspection Checklist (PDI). The PDI Checklist has been simplified to make the process more efficient, and in doing so, this document has been created to be used as a reference for checklist items that may have additional information. On the PDI Checklist, you find that certain items have been notated with an asterisk symbol (*), this lets you know that additional information can be found in this Technician Reference Document.

Below you will find a list of each model, with the page numbers to their left. After navigating to the desired page, you will notice each model page is formatted similarly to the PDI Checklists. After each section title is the original checklist item, followed by any additional information specific to that model.

Table of Contents

3-4	A6/S6/A6 TDI
5-7	A7/S7/A7 TDI
8-9	Q3

A6/S6/A6 TDI

Technician Reference Document

Transport Mode Deactivation, DTC Check, Set Service Reminder

- ▶ **Deactivate vehicle transport mode**
Deactivate vehicle transport mode (via Special functions → Service work → 19-Transport mode activating/deactivating)
- ▶ **Deactivate air suspension loading mode**
via Special Functions → Service Work → 34-Loading mode activating/deactivating (if equipped) Warning! Car body may lower!
- ▶ **Set service reminder**
via Special functions → Service work → 17-PDI-resetting SRI at PDI, counter reset, etc.
- ▶ **Set adaption channel to enable CD Ripping (if equipped with NAV)**
Set adaptation channel (via Control Module list → 5F → Guided Functions → 5F Adaption). Also referred to as CD Ripping. (Copying customer music from his device to the hard drive of the vehicle) Perform 3 button reset of the MMI to complete the activation. Refer to the owners manual for model specific button sequence
- ▶ **Perform any open campaigns**
Follow instructions listed in campaign documentation

Under the Hood Inspection

- ▶ **Check battery clamps for proper torque**
Re-torque if required
- ▶ **Check engine oil level**
Check engine oil level via the MMI – fill oil to the max level when the vehicle is at operating temperature
- ▶ **Perform a battery test**
Perform the A-battery test for new batteries using GFF in ODIS Diagnosis → Special functions → Service work. Select option 2, the battery test for new batteries as part of the pre-delivery inspection and act according to the test result (ok, recharge, replace). Ensure diagnosis log is uploaded to the GFF paperless server by selecting “ok” when tester wants to send the current generated diagnosis protocol online. (Note: Do not use Guided Function. The diagnosis log will not be uploaded to GFF paperless)

Exterior

- ▶ **Check all key buttons and features**
Check key functionality including seat and steering wheel position memory; verify vehicle starts and runs with all keys and the start/stop button; verify all doors and trunk manually and remotely lock/unlock with all keys, including all door handle sensors with the Advanced Key (if equipped)

Lighting and Windshield

- ▶ **Test front washers (and headlight washers if equipped)**
Headlights must be on to test functionality of the headlight washers

Trunk Inspection

- ▶ **Set spare tire pressure**
See separate “2016 Normal Load Condition Tire Pressure Table” posted on ServiceNet.

Interior

- ▶ **Verify operation heated/ventilated & massaging seats (if equipped)**
Check both front and rear. Massaging feature is in the front seats only (if equipped)
- ▶ **Verify proper operation of climate control**
Ensure proper heating and A/C cooling and open all panel vents for all zones
- ▶ **Verify rear climate control operation (if equipped)**
Verify heating and cooling functions and open all rear panel vents

Switches / Outlets and Windows

- ▶ **Check operation of window, lock, and seat controls**
Check operation of all switches: Locks, windows, seat adjustment, seat ventilation and massage (if equipped), heated seats and child safety features
- ▶ **Check panoramic sunroof operation**
Verify open/close/vent/ deflector at edge and sunshade operation
- ▶ **Check rear view mirror operation**
Check self-dimming function/lighting (if equipped)
- ▶ **Inspect mirrors for proper operation**
Inspect folding, adjustments, RH tilt in reverse, and memory (if equipped)
- ▶ **Inspect operation of all power outlets**
Inspect operation of lighter, aux. outlet under armrest, under rear vent outlets, and in luggage compartment on passenger side
- ▶ **Verify operation of all interior lights**
Including ambient lighting (if equipped)

A6/S6/A6 TDI

Technician Reference Document

Audi connect (USA ONLY) (if equipped)

▶ Check Wi-Fi hotspot functionality

Check Wi-Fi hotspot functionality is enabled and verify the SSID is set to "AUDIXXXXX," where XXXXX = the last five digits of VIN that are automatically preset in the system

▶ Connect the dealer demo SIM card to verify system connects to mobile network

Connect the dealer demo SIM card to the vehicle and make sure the system fully connects to 2G or 3G (2G or 3G symbol with Box surrounding it) (only applies if in a T-Mobile service area)

▶ Enable Google Earth (if equipped)

Enable Google Earth in the navigation settings and verify the white Google Logo appears next to the 2G or 3G symbol

▶ Turn on the wireless network

Ensure the wireless network is turned on (TEL function button > Settings Ctrl button > Wi-Fi settings > Wi-Fi active > select "Visible")

▶ Verify Audi connect Information Packet is present

Verify Audi connect Information Packet is present including Audi brochure, T-Mobile brochure, customer SIM card, T-Mobile Terms & Conditions (T&C)(if applicable)

Media / Radio / SAT

▶ Verify HD Radio is turned "off"

This can be found in the Radio/Settings Menu

Settings

▶ Load Onboard Video Tutorials

Load Onboard Video Tutorials> Turn ignition on> Insert the Onboard DVD into the DVD Drive> Select the CAR function button. System will initialize>Select the Owner's Man. function by selecting the upper right control button> Select "Yes"> Select "CD/DVD"> Select "Start update"> Turn off ignition to start update (the update will take approx. 5 minutes)> Once completed, remove the disk and place back into the case for the next vehicle

▶ Set "Music volume while parking" to 6 lines

Accessed via MMI rear view camera display, Settings > Music volume while parking (applies to vehicles with park assist or rear view camera).

▶ Set dealership location in navigation (if equipped)

Set dealership location for following back to dealership during road test

Settings (continued)

▶ Set Time source setting to "GPS" and set Auto daylight savings time to "on."

Change time zone appropriate to the dealer location

▶ Verify and set language and Measurement Units

This can be changed in the Setup/Settings menu

▶ Verify Voice Activation is operating

Press the "Talk" button and verify several commands

On-Hoist Inspection

▶ Inspect wheel bolts for proper torque

Use torque wrench to verify

▶ Install wheel bolt covers

Wheel bolt covers can be found in the PDI kit

▶ Set and store tire pressures for either sold vehicle OR stock inventory vehicle

If a known "sold" unit, set to appropriate Normal Load Condition. See separate "2016 Normal Load Condition Tire Pressure Table" posted on ServiceNet. If going to stock, set to maximum recommended tire pressures listed on the B-pillar doorjamb, and store tire pressure values in Car/System menu

Driver Assistance

▶ Verify all vehicle Head-up Display functionality (if equipped) (functionality listed in text box)

Verify the image can be adjusted properly in the viewing area of the windshield. Verify NAV directions, speed, cruise control, and lane assist are all visible in Head-Up Display (as equipped)

▶ Verify operation of Audi parking system (if equipped)

Verify operation of Audi parking system plus with rear view camera and top and/or corner view cameras (if equipped)

Driving Performance

▶ Test drive vehicle applying brakes several times

Apply brakes at least 4 times at 20 mph (35 km/h) to clean brake rotors. Check for abnormal noise/ vibration/pulsation

▶ Verify engine performance and acceleration

Listen for abnormal noise/vibrations

▶ Verify engine Start-Stop System functionality (if equipped)

Start-Stop-System info (if applicable): Verify the velum sticker is on the start/stop button. Remove the start/stop information card from the car kit and place it in the glove box with the owner's manuals. Additional supply can be ordered via the Brand Store on AccessAudi

Transport Mode Deactivation, DTC Check, Set Service Reminder

- ▶ **Deactivate vehicle transport mode**
Deactivate vehicle transport mode (via Special functions -> Service work -> 19-Transport mode activating/deactivating)
- ▶ **Deactivate air suspension loading mode**
via Special Functions -> Service Work -> 34-Loading mode activating/deactivating (if equipped) Warning! Car body may lower!
- ▶ **Set service reminder**
via Special functions -> Service work -> 17-PDI-resetting SRI at PDI, counter reset, etc.
- ▶ **Set adaption channel to enable CD Ripping (if equipped with NAV)**
Set adaptation channel (via Control Module list -> 5F -> Guided Functions -> 5F Adaption). Also referred to as CD Ripping. (Copying customer music from his device to the hard drive of the vehicle) Perform 3 button reset of the MMI to complete the activation. Refer to the owners manual for model specific button sequence
- ▶ **Perform any open campaigns**
Follow instructions listed in campaign documentation

Under the Hood Inspection

- ▶ **Check battery clamps for proper torque**
Re-torque if required
- ▶ **Check engine oil level**
Check engine oil level via the MMI – fill oil to the max level when the vehicle is at operating temperature
- ▶ **Perform a battery test**
Perform the A-battery test for new batteries using GFF in ODIS Diagnosis -> Special functions -> Service work. Select option 2, the battery test for new batteries as part of the pre-delivery inspection and act according to the test result (ok, recharge, replace). Ensure diagnosis log is uploaded to the GFF paperless server by selecting “ok” when tester wants to send the current generated diagnosis protocol online. (Note: Do not use Guided Function. The diagnosis log will not be uploaded to GFF paperless)

Exterior

- ▶ **Check all doors for proper power closing (if equipped)**
For vehicles equipped with the power door closing feature, check all doors for proper closing

Exterior (continued)

- ▶ **Check all key buttons and features**
Check key functionality including seat and steering wheel position memory; verify vehicle starts and runs with all keys and the start/stop button; verify all doors and trunk manually and remotely lock/unlock with all keys, including all door handle sensors with the Advanced Key (if equipped)

Lighting and Windshield

- ▶ **Test front washers (and headlight washers if equipped)**
Headlights must be on to test functionality of the headlight washers

Trunk Inspection

- ▶ **Set spare tire pressure**
See separate “2016 Normal Load Condition Tire Pressure Table” posted on ServiceNet.

Interior

- ▶ **Verify operation heated/ventilated & massaging seats (if equipped)**
Check both front and rear. Massaging feature is in the front seats only (if equipped)
- ▶ **Verify proper operation of climate control**
Ensure proper heating and A/C cooling and open all panel vents for all zones
- ▶ **Verify rear climate control operation (if equipped)**
Verify heating and cooling functions and open all rear panel vents

Switches / Outlets and Windows

- ▶ **Check operation of window, lock, and seat controls**
Check operation of all switches: Locks, windows, seat adjustment, seat ventilation/heating (front and rear where applicable) and child safety features. Check rear lid opening and closing with switch in door (ignition must be on)
- ▶ **Check panoramic sunroof operation**
Verify open/close/vent/ deflector at edge and sunshade operation
- ▶ **Check rear view mirror operation**
Check self-dimming function/lighting (if equipped)
- ▶ **Inspect mirrors for proper operation**
Inspect folding, adjustments, RH tilt in reverse, and memory (if equipped)

Switches / Outlets and Windows (continued)

► Inspect operation of all power outlets

Inspect operation of lighter, aux. outlet under armrest, under rear vent outlets, and in luggage compartment on passenger side

► Verify operation of all interior lights

Including ambient lighting (if equipped)

Audi connect (USA ONLY) (if equipped)

► Check Wi-Fi hotspot functionality

Check Wi-Fi hotspot functionality is enabled and verify the SSID is set to "AUDIXXXXX," where XXXXX = the last five digits of VIN that are automatically preset in the system

► Connect the dealer demo SIM card to verify system connects to mobile network

Connect the dealer demo SIM card to the vehicle and make sure the system fully connects to 2G or 3G (2G or 3G symbol with Box surrounding it) (only applies if in a T-Mobile service area)

► Enable Google Earth (if equipped)

Enable Google Earth in the navigation settings and verify the white Google Logo appears next to the 2G or 3G symbol

► Turn on the wireless network

Ensure the wireless network is turned on (TEL function button > Settings Ctrl button > Wi-Fi settings > Wi-Fi active > select "Visible")

► Verify Audi connect Information Packet is present

Verify Audi connect Information Packet is present including Audi brochure, T-Mobile brochure, customer SIM card, T-Mobile Terms & Conditions (T&C)(if applicable)

Media / Radio / SAT

► Verify HD Radio is turned "off"

This can be found in the Radio/Settings Menu

Settings

► Load Onboard Video Tutorials

Load Onboard Video Tutorials> Turn ignition on> Insert the Onboard DVD into the DVD Drive> Select the CAR function button. System will initialize>Select the Owner's Man. function by selecting the upper right control button> Select "Yes"> Select "CD/DVD"> Select "Start update"> Turn off ignition to start update (the update will take approx. 5 minutes)> Once completed, remove the disk and place back into the case for the next vehicle

Settings (continued)

► Set "Music volume while parking" to 6 lines

Accessed via MMI rear view camera display, Settings > Music volume while parking (applies to vehicles with park assist or rear view camera).

► Set dealership location in navigation (if equipped)

Set dealership location for following back to dealership during road test

► Set Time source setting to "GPS" and set Auto daylight savings time to "on."

Change time zone appropriate to the dealer location

► Verify and set language and Measurement Units

This can be changed in the Setup/Settings menu

► Verify Voice Activation is operating

Press the "Talk" button and verify several commands

On-Hoist Inspection

► Inspect wheel bolts for proper torque

Use torque wrench to verify

► Install wheel bolt covers

Wheel bolt covers can be found in the PDI kit

► Remove hoist access point trim covers (if equipped)

Prestige & S-Line only

► Set and store tire pressures for either sold vehicle OR stock inventory vehicle

If a known "sold" unit, set to appropriate Normal Load Condition. See separate "2016 Normal Load Condition Tire Pressure Table" posted on ServiceNet. If going to stock, set to maximum recommended tire pressures listed on the B-pillar doorjamb, and store tire pressure values in Car/System menu

Driver Assistance

► Verify all vehicle Head-up Display functionality (if equipped) (functionality listed in text box)

Verify the image can be adjusted properly in the viewing area of the windshield. Verify NAV directions, speed, cruise control, and lane assist are all visible in Head-Up Display (as equipped)

► Verify operation of Audi parking system (if equipped)

Verify operation of Audi parking system plus with rear view camera and top and/or corner view cameras (if equipped)

A7/S7/A7 TDI/RS 7

Technician Reference Document

Driving Performance

▶ **Test drive vehicle applying brakes several times**

Apply brakes at least 4 times at 20 mph (35 km/h) to clean brake rotors. Check for abnormal noise/ vibration/pulsation

▶ **Verify engine performance and acceleration**

Listen for abnormal noise/vibrations

▶ **Verify engine Start-Stop System functionality (if equipped)**

Start-Stop-System info (if applicable): Verify the velum sticker is on the start/stop button. Remove the start/stop information card from the car kit and place it in the glove box with the owner's manuals. Additional supply can be ordered via the Brand Store on AccessAudi

Transport Mode Deactivation, DTC Check, Set Service Reminder

► Deactivate vehicle transport mode

Deactivate vehicle transport mode (via Special functions → Service work → 19-Transport mode activating/deactivating)

► Set service reminder

via Special functions → Service work → 17-PDI-resetting SRI at PDI, counter reset, etc

► Set adaption channel to enable CD Ripping (if equipped with NAV)

Set adaptation channel (via Special functions → Service work → : 5F-Activating/deactivating storage of music). Also referred to as CD Ripping. (Copying customer music from his device to the hard drive of the vehicle) Perform 3 button reset of the MMI to complete the activation. Refer to the owners manual for model specific button sequence

► Perform any open campaigns

Follow instructions listed in campaign documentation

Under the Hood Inspection

► Check battery clamps for proper torque

Re-torque if required

► Check engine oil level

Check engine oil level via the MMI – fill oil to the max level when the vehicle is at operating temperature

► Perform a battery test

Perform the A-battery test for new batteries using GFF in ODIS Diagnosis → Special functions → Service work. Select option 2, the battery test for new batteries as part of the pre-delivery inspection and act according to the test result (ok, recharge, replace). Ensure diagnosis log is uploaded to the GFF paperless server by selecting “ok” when tester wants to send the current generated diagnosis protocol online. (Note: Do not use Guided Function. The diagnosis log will not be uploaded to GFF paperless)

► Check engine oil level*

Fill oil to the max level when the vehicle is at operating temperature

Exterior

► Check all key buttons and features

Check key functionality including seat and steering wheel position memory; verify vehicle starts and runs with all keys and the start/stop button; verify all doors and trunk manually and remotely lock/unlock with all keys, including all door handle sensors with the Advanced Key (if equipped)

Exterior (continued)

► Verify power rear tailgate is operational and set default opening height (if equipped)

If equipped with power rear tailgate, adjust the opening height to 75 inches (190 cm) from the ground to the close button in the rear lid. Press and hold the close button in the rear lid for at least four seconds to program the opening height

Lighting and Windshield

► Test front washers (and headlight washers if equipped)

Headlights must be on to test functionality of the headlight washers

Trunk Inspection

► Install wheel bolt cover removal tool from PDI kit into trunk lid toolkit

Install wheel bolt cover removal tool from PDI kit and wheel lock key (if applicable) into trunk tool kit to the right of the spare tire

► Set spare tire pressure

See separate “2016 Normal Load Condition Tire Pressure Table” posted on ServiceNet.

Switches / Outlets and Windows

► Check operation of window, lock, and seat controls

Check operation of all switches: Locks, windows, seat adjustment, heated seats (if equipped) and child safety features

► Inspect mirrors for proper operation

Inspect folding, adjustments, RH tilt in reverse, and memory (if equipped)

► Inspect operation of all power outlets

Inspect operation of outlet in front of center console and behind center console

► Check panoramic sunroof operation

Verify open/close/vent/deflector at edge and sunshade operation

Interior

► Verify proper operation of climate control

Ensure proper heating and A/C cooling and open all panel vents for all zones

Settings

- ▶ **Set Time source setting to “GPS” and set Auto daylight savings time to “on.”**

Change time zone appropriate to the dealer location

Settings (continued)

- ▶ **Verify and set language and Measurement Units**
This can be changed in the Setup/Settings menu
- ▶ **Verify Voice Activation is operating**
Press the “Talk” button and verify several commands
- ▶ **Set “Music volume while parking” to 6 lines**
Accessed via MMI rear view camera display, Settings > Music volume while parking (applies to vehicles with park assist or rear view camera)
- ▶ **Set “Music volume while parking” to 6 lines**
Accessed via MMI rear view camera display, Settings > Music volume while parking (applies to vehicles with park assist or rear view camera)
- ▶ **Set dealership location in navigation (if equipped)**
Set dealership location for following back to dealership during road test
- ▶ **Media / Radio / SAT**
Verify HD Radio is turned “off”

Audi connect (USA ONLY) (if equipped)

- ▶ **Verify Audi connect Information Packet is present**
Verify Audi connect Information Packet is present including Audi brochure, T-Mobile brochure, customer SIM card, T-Mobile Terms & Conditions (T&C)(if applicable)
- ▶ **Connect the dealer demo SIM card to verify system connects to mobile network**
Connect the dealer demo SIM card to the vehicle and make sure the system fully connects to 2G or 3G (2G or 3G symbol with Box surrounding it) (only applies if in a T-Mobile service area)
- ▶ **Turn on the wireless network**
Ensure the wireless network is turned on (TEL function button > Settings Ctrl button > Wi-Fi settings > Wi-Fi active > select “Visible”)
- ▶ **Check Wi-Fi hotspot functionality**
Check Wi-Fi hotspot functionality is enabled and verify the SSID is set to “AUDIXXXXX,” where XXXXX = the last five digits of VIN that are automatically preset in the system
- ▶ **Enable Google Earth**
Enable Google Earth in the navigation settings and verify the white Google Logo appears next to the 2G or 3G symbol

On-Hoist Inspection

- ▶ **Inspect wheel bolts for proper torque**
Use torque wrench to verify
- ▶ **Install wheel bolt covers and center caps as supplied**
Wheel bolt covers and center caps can be found in the PDI kit
- ▶ **Set and store tire pressures for either sold vehicle OR stock inventory vehicle (See separate “2016 Normal Load Condition Tire Pressure Table” posted on ServiceNet)**
If a known “sold” unit, set to appropriate Normal Load Condition. See separate “2016 Normal Load Condition Tire Pressure Table” posted on ServiceNet. If going to stock, set to maximum recommended tire pressures listed on the B-pillar doorjamb, and store tire pressure values in Car/System menu

Driving Performance

- ▶ **Verify engine performance and acceleration**
Listen for abnormal noise/vibrations
- ▶ **Calibrate rear view mirror**
Calibrate rear view mirror compass to proper zone and check self-dimming function/lighting (if equipped)
- ▶ **Test drive vehicle applying brakes several times**
Apply brakes at least 4 times at 20 mph (35 km/h) to clean brake rotors. Check for abnormal noise/ vibration/pulsation

Driver Assistance

- ▶ **Verify operation of parking system (if equipped)**
Verify operation of Audi parking system sensors with rear view camera (if equipped)