

2020

Pre-Delivery Inspection Technician Reference Document

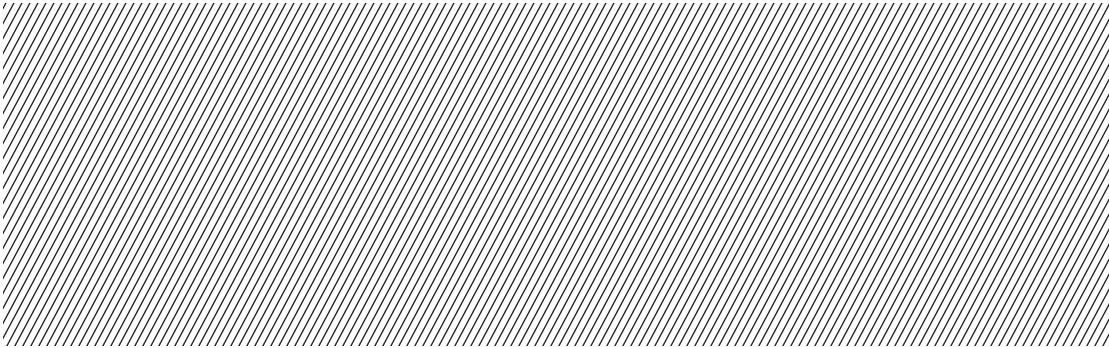


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Technician Reference Document Overview

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.

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3-4 R8 Coupe & Spyder

R8 Coupe & Spyder

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Vehicle Preparation

► Perform any open campaigns

Follow instructions listed in campaign documentation

► Perform diagnostic work

Connect vehicle diagnostic tester

- Select “Diagnosis” mode and start diagnosis
- Perform vehicle identification
- Untick “Working with Guided Fault Finding”
- Switch to “Special functions” tab and select following program:

Delivery Inspection total

- Start program by selecting “Carry out check”
- Continue to follow instructions on screen and complete the process
- Switch to the “Control units” tab, press the “Guided Fault Finding” button and launch Guided Fault Finding as far as the test plan
- The static event memory entries must be evaluated and, if necessary, processed using Guided Fault Finding
- Exit diagnosis; diagnostic log for delivery inspection is sent automatically

Exterior

► Check all key buttons and features

Check functionality of all keys. Verify vehicle starts and runs with all keys and the start/stop button. Verify all doors and trunk remotely lock/unlock with all keys, including all door handle sensors with Advanced Key (if equipped)

Lighting and Windshield

► Test front washers (and headlight washers if equipped) and correct aim if necessary

Headlights must be on to test functionality of the headlight washers

Trunk Inspection

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

Install wheel bolt cover removal tool from PDI kit and wheel lock key (if applicable) into trunk tool kit

► Check battery clamps for proper torque

Refer to Elsa Pro for specification

Interior

► 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, right side tilt in reverse, heating

► Check rear view mirror operation

Check self-dimming function/lighting (if equipped)

► Verify proper operation of climate control

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

► Inspect operation of all power outlets

Inspect operation of front outlet, aux. outlet under armrest, and rear outlets

Settings

► 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 Settings menu by going to Menu > Vehicle > Vehicle settings

► Verify Speech Dialog System is operating

Press the “Talk” button and verify several commands

► Set “Entertain. Fad.” in Parking aid to an audible level

Via “Menu > Vehicle > Left Option > Driver Assistance > Parking Aid”

► Set dealership location in navigation (if equipped)

Set dealership location for following back to dealership during road test

► Turn off Manual Speed Warning (if equipped)

This can be changed in the Driver Assistance settings by going to Menu > Vehicle > Driver Assistance > Speed Warning > Manual->Select Off

Media / Radio / SAT

► Verify HD Radio is turned “off”

This can be found in the Radio/Settings Menu

Audi connect® (USA ONLY) (if equipped)

► Turn on the Wi-Fi® hotspot (if equipped)

Ensure the wireless network is turned on (Telephone > Options > Wi-Fi® options > Wi-Fi® Mode “Hotspot”)

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Audi connect® (USA ONLY) (if equipped) (continued)

- ▶ **Check Wi-Fi® hotspot visibility. No data available at PDI due to dealer demo mode (if equipped)**
Check Wi-Fi® hotspot functionality is enabled and verify the Access point (SSID) is set to "Audi_MMI_XXXX", where XXXX is the last four digits of the VIN. Via Telephone > Options > Wi-Fi® options > Wi-Fi® Mode "Hotspot" > Hotspot settings > Access point (SSID)
- ▶ **Enable satellite map for navigation (if equipped)**
Enable satellite map in the Navigation > Gear icon > Map Settings and verify the white Google logo appears in the bottom right-hand corner of the Navigation map screen.

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**
If a known "sold" unit, set to appropriate Normal Load Condition. See separate "2020 Normal Load Condition Tire Pressure Table" posted on ServiceNet. If going to stock, set to maximum recommended tire pressures listed on the B-pillar door jamb, and store tire pressure values in Car/System menu

Driving Performance

- ▶ **Verify engine performance and acceleration**
Listen for abnormal noise/vibrations
- ▶ **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
- ▶ **Calibrate rear view mirror**
Calibrate rear view mirror compass to proper zone and check self-dimming function/lighting (if equipped)

Driver Assistance

- ▶ **Verify operation of Audi parking system plus**
Verify operation of Audi parking system sensors with rear view camera

Convertible Functionality (if equipped)

- ▶ **Test operation of power folding top**
Perform with engine running to conserve battery power

Post-Road Test Inspection

- ▶ **Check engine oil level**
Fill oil to the max level when the vehicle is at operating temperature