



# Ferrari North America

## Technical Information

Date: October 2018  
Bulletin #: 2527  
Campaign #:  
Supersedes:  
Section: 10

**Subject: 488 Pista Pre-Delivery PDI procedures**

Please find enclosed the new procedures and relative list of inspections to be performed at all times before the vehicle is delivered to the customer.

**The following procedures must be performed exactly as indicated and in the order given, providing the factory with the information requested.**

### - IMPORTANT -

**This Pre-Delivery Inspection (PDI) procedure **may only** be performed with a PC-Tester DEIS updated to **at least** the following software version (or subsequent release):**

|            |                            |    |
|------------|----------------------------|----|
| - Module 0 | Portal and Troubleshooting | 54 |
| - Module 1 | DEIS Diagnostic software   | 80 |
| - Module 2 | Technical Documentation    | 12 |
| - Module 3 | Tools                      | 8  |

**Check the software number and, if necessary, update your DEIS Tester immediately.**

#### **Procedure.**

1. Visually inspect **condition of vehicle paintwork**; repair if necessary (use the specific “**Bodywork defects**” form annexed on page 9).
2. If disconnected, connect the negative pole of the battery and reset the vehicle auto-adaptive parameters (as described in paragraph **F3.01** of the Workshop Manual).
3. Activate Key-ON state (as described in paragraph **F19.02** of the Workshop Manual), and check which letter is shown on the DOT MATRIX display:
  - if letter “**P**” (Park Lock) is displayed, go to point **5**.
  - if letter “**N**” (Neutral) is displayed, go to point **4**.



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4. Re-enable the Park Lock – Gearbox **lock** device (as described in paragraph C2.07 of the Workshop Manual).
5. Using the **DEIS** tester, print out the engine parameters and check that the lithium battery **SOC** (State of Charge) value is at least 70%. If the **SOC** is below this level, the battery must be recharged.

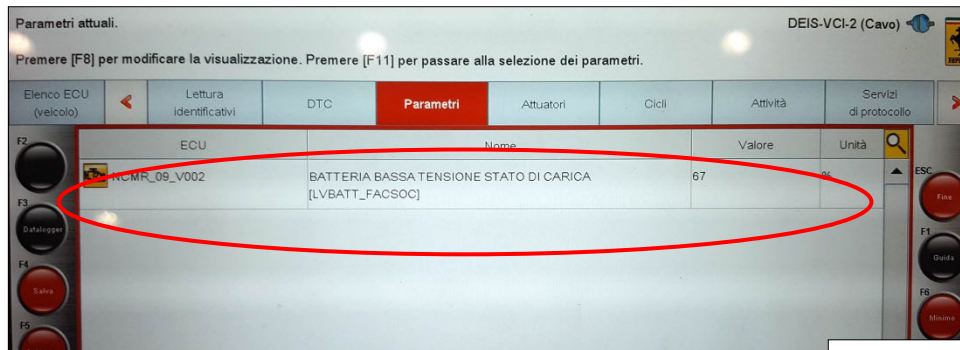


Fig. 1

**Note:** If the battery needs to be recharged, we recommend using a **FRONIUS Activa Professional 35A** power supply and following the instructions provided in Technical Information 2520. If the battery has been recharged, print out the engine parameters again and attach them to the ROL with the description “**PDI Form Info**”.

6. Using the **DEIS** tester, disable the “**Logistic Mode**” function with diagnostic cycle “**150 Complete Logistic Mode**” on the **NBC** ECU (Body Computer Node).
7. Test the keys and the anti-theft system.
8. Check that the daytime lights are working (depending on market).
9. Check that the low beam lights work correctly: also check that the AFS system (adaptive front lights - if applicable) works correctly by turning the steering wheel.
10. Check the vehicle front lift is working (if applicable): check the AFS system is working (low beam orientation). With the car raised, the height of the light beam must be equal to the height with the car lowered.
11. Check that the high beam lights work correctly.
12. Check that the stop lights work correctly.



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13. Check that the turn indicators and number plate lights work correctly.
14. Check that door lights, vehicle interior light and luggage compartment lights work correctly.
15. Check that the button backlights on the dashboard and driver side door, center console, ceiling light unit and USB socket lights work correctly.
16. Test the horn.
17. Check that the power windows work correctly.
18. Check that the windshield and headlight wipers work correctly.
19. Check that the mechanical/electrical steering adjustment mechanism works correctly.
20. Check that the seats work.
21. Check that the electric parking brake (EPB) works correctly; test manual and automatic modes.
22. Check that the Hi-Fi (if applicable) / Navigation system (if applicable) work (see point 35);
23. Check coolant level and top up if necessary.
24. Check power steering fluid level and top up if necessary.
25. Check the brake fluid level and top up if necessary.
26. Check headlight washer/windshield washer fluid level and top up if necessary.
27. Check tire pressure calibration with TPMS system.
28. Check tightening of the wheel stud bolts using a torque wrench (as described in paragraph D2.01 in the Workshop Manual).
29. Check that the tow hook is fitted correctly.

**Start the engine (as described in paragraph F19.02 of the Workshop Manual), and perform the following:**

30. Check that the air conditioning and heating system works correctly (static test).



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31. Check that the electric rear-view mirrors work correctly.
32. Check that the internal electrochromic mirror and the electrochromic RH and LH rear view mirrors (if installed) work correctly.
33. Check that the parking sensors and rear and front camera (if installed) work correctly.
34. Using the **DEIS** tester, perform the “Cancel all DTCs from all ECUs” procedure from the “**Vehicle functions**” menu.

### **Test drive.**

35. Check that the navigation system works correctly (if applicable); set route before setting off.
36. Test drive the vehicle (approx. **20** minutes).
37. Check that the Stop&Start system works (if applicable).
38. While driving, check that the “Suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
39. Check that the telemetry kit works (if applicable).
40. While driving, check that the air conditioning and heating system works correctly (dynamic test).
41. **For USA/CND Version only.** Take the vehicle into a location with a clear view of the sky, set the **SiriusXM** receiver to **preview channel 1**, and listen to the audio (note that the preview channel is only available on unactivated SDARS units with no subscription).

### **Return to workshop.**

42. Check the engine oil level (engine warm and at idle speed) and top up if necessary (as described in paragraph **B8.02** in the Workshop Manual).
43. With the **DEIS** tester, check that the VIN number read with the tester matches the VIN number of the vehicle; if necessary, the VIN number read with the tester may be modified using the “**100 VIN Writing**” diagnostic function (password-protected) on the **NCM** ECU (engine control node). Any faults must be reported in an **ROL**.



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44. Check and cancel the errors on all ECUs.
45. Enter the warranty start date (Check that the language setting on the TFT display is correct).
46. Perform the “SCAN OUT” procedure from the “Vehicle functions” menu with the DEIS tester **before carrying out any further diagnostic operations.**
47. Remove the complete aerodynamic undertray and the cosmetic engine compartment shields from the vehicle (as described in paragraphs **E3.01** and **E3.03** of the Workshop Manual).
48. Visually check if there are any coolant and/or oil leaks in the underbody and engine compartment.
49. Visually inspect engine compartment lines.
50. Visually inspect the engine compartment wiring harnesses.
51. Visually inspect underbody lines.
52. Visually inspect exhaust pipe.
53. Visual inspection of fuel tanks.
54. Visually check correct assembly of: suspension components, steering box and axle shaft flanges.
55. Visually check correct assembly of: vehicle earth and engine-chassis earth.
56. Visually inspect condition of brake pads and discs (DO NOT remove wheels).
57. Check condition of tires and wheels.
58. Refit the complete aerodynamic undertray and cosmetic engine compartment shields (as described in paragraphs **E3.01** and **E3.03** of the Workshop Manual).
59. Check that the door and lid locks work correctly; adjust if necessary.
60. Check that the fuel filler flap emergency release works correctly; adjust if necessary.
61. Visually inspect condition of vehicle interior; repair if necessary.
62. Thoroughly clean interior and wash car.



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63. Ensure that the vehicle is delivered complete with the following:
- identification and type approval plates
  - number plate holder
  - tool kit
  - on-board documentation (Owner's Manual, Quick Reference Guide, Warranty Booklet, Safety Device Booklet and Battery Conditioner Quick Guide card, Roadside Assistance info), second vehicle key and code card, and any material related to options.

### - IMPORTANT -

Confirm that the operations listed above have been carried out correctly with the “Pre-Delivery Inspection - PDI” form (enclosed on pages 7 and 8), compiled in full and signed by the Aftersales Manager of your Service Center.

After the inspection procedures, **ALWAYS open** an ROL (Red On Line) specifying “PDI Form Info” as the description, **and attach the duly compiled “PDI Pre-Delivery Inspection” form** together with the printout files of the parameters and errors requested in points 5, 34 and 46.

You will also be required to open a separate individual ROL with the description "**PDI Fault Info**" for each fault encountered during the inspection procedure, indicating the respective operation number as cited in the “PDI Pre-Delivery Inspection” form; Attach all necessary documentation, including photographs if needed.

Thank you for your co-operation.



# Pre-Delivery Inspection - PDI form

|                      |                     |
|----------------------|---------------------|
| Model                | Updated on          |
| <b>488<br/>PISTA</b> | <b>October 2018</b> |

Chassis number: \_\_\_\_\_ Dossier creation date: \_\_\_\_\_

Job order no.: \_\_\_\_\_

Notes: \_\_\_\_\_  
 \_\_\_\_\_

| Description of inspection / operation:                                                                             | Performed OK             | Performed NOT OK         | R.O.L. N° (if NOT OK) |
|--------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------|
| 1. - Condition of vehicle paintwork.                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 2. - Connect battery and reset vehicle parameters.                                                                 | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 3. - Check state of Park Lock system.                                                                              | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 4. - Reset Park Lock system.                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 5. - Check lithium battery SOC (State of Charge).                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 6. - Disable "Logistic Mode".                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 7. - Test keys etc.                                                                                                | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 8. - Daytime running lights.                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 9. - Low beams.                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 10. - Check the vehicle front lift (if present).                                                                   | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 11. - High beam lights.                                                                                            | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 12. - Stop lights.                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 13. - Turn indicators and number plate lights.                                                                     | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 14. - Door lights, cabin light and luggage compartment light.                                                      | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 15. - Button backlights on dashboard, and center tunnel console and door, ceiling light unit and USB socket light. | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 16. - Horn.                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 17. - Power windows.                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 18. - Windscreen wipers and headlight washers.                                                                     | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 19. - Steering wheel adjustment.                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 20. - Seats.                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 21. - Electric parking brake (EPB); manual/auto.                                                                   | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 22. - Hi-Fi system / Navigation system (if applicable) (see point 35).                                             | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 23. - Coolant level.                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 24. - Power steering fluid level.                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 25. - Braking system fluid level.                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 26. - Windscreen washer/headlight washer fluid level.                                                              | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 27. - Tire pressure calibration with TPMS.                                                                         | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 28. - Tightening of wheel stud bolts.                                                                              | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 29. - Tow hook.                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 30. - *AC system (static test).                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 31. - *Electric rear view mirrors.                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 32. - *Electrochromic rear view mirrors (if applicable).                                                           | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 33. - *Parking sensors and rear/front camera.                                                                      | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 34. - Cancel all DTCs from all ECUs.                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 35. - Navigation system (if applicable): Set route.                                                                | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 36. - Test drive (20 min.).                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> |                       |
| 37. - Stop&Start (if applicable).                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |                       |

**(\*) With engine running**



