



Ferrari North America

Technical Information

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Subject: 488 Pista Spider Pre-Delivery Inspection – PDI Procedures

Please find enclosed the list of procedures and 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 the **condition of vehicle paintwork**; repair if necessary (use the specific “**Bodywork defects**” form annexed on page 8).
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.

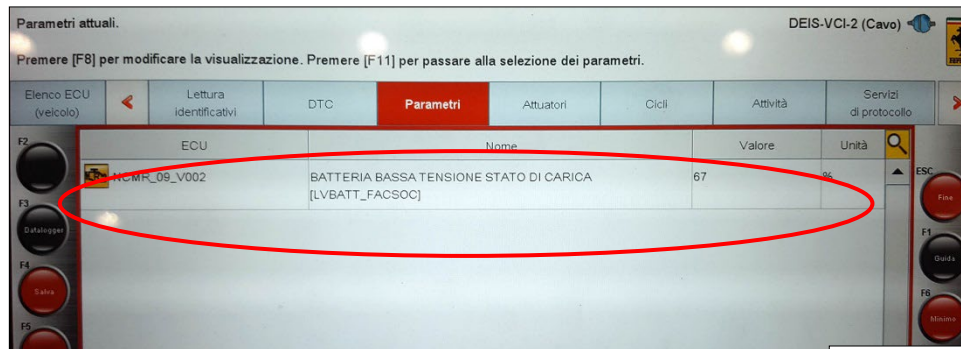


Fig. 1

Note: If the battery needs to be recharged, we recommend using a **FRONIUS Acctiva Professional 35A** power supply and following the instructions provided in Technical Information **2520**. If this power supply is not available, use a lithium battery-compatible power supply. 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 work correctly (depending on market).
9. Check that the low beam headlights 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 (if present) is working: 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 headlights work correctly.



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12. Check that the stop lights work correctly.
13. Check that the turn indicators and license plate lights work correctly.
14. Check that door lights, vehicle interior light and luggage compartment lights work correctly.
15. Check that the control panel/button backlighting on the dashboard and driver side door, center console, ceiling light unit and USB socket lights work correctly.
16. Test the horn.
17. Check function of power windows and “BackLite” rear screen.
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 correctly.
21. Check that the electric parking brake (EPB) works correctly; test manual and automatic modes.
22. Check function of infotainment (if applicable) / Navigation system (if applicable) (see point 36);
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/windscreen washer fluid level and top up if necessary.
27. Check tire pressure calibration with the TPMS system.
28. Check the tightness of the wheel studs with a torque wrench. The studs must be tightened to **120Nm** on vehicles with **aluminum** wheels, and **150Nm** on vehicles with **carbon** wheels.



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29. Check that the tow hook can be fitted correctly.

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

30. Perform two complete roof open/close cycles.
31. Check that the air conditioning and heating system works correctly (static test).
32. Check that the electric rear view mirrors work correctly.
33. Check that the internal electrochromic mirror and the electrochromic RH and LH rear view mirrors (if installed) work correctly.
34. Check that the parking sensors and rear and front camera (if installed) work correctly.
35. Using the DEIS tester, perform the “Cancel all DTCs from all ECUs” procedure from the “Vehicle functions” menu.

Test drive.

36. Check that the navigation system works correctly (if applicable); set route before driving.
37. Test drive the vehicle (approx. 20 minutes).
38. Check that the Stop&Start system works (if applicable).
39. While driving, check that the “suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
40. Check that the telemetry kit works (if applicable).
41. While driving, check that the air conditioning and heating system works correctly (dynamic test).
42. **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.



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43. 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).
44. 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 written using the “**100 VIN Writing**” diagnostic function (password-protected) on the **NCM** ECU (engine control node). Any faults must be reported in an **ROL**.
45. Check and cancel the errors on all ECUs.
46. Enter the warranty start date (Check that the language setting on the TFT display is correct).
47. Perform the “**SCAN OUT**” procedure from the “**Vehicle functions**” menu with the **DEIS** tester **before carrying out any further diagnostic operations**.
48. Remove the complete aerodynamic undertray, the engine compartment cosmetic shields and the RHT container tub from the vehicle (as described in paragraphs **E3.01** and **E3.03** of the Workshop Manual).
49. Visually check if there are any coolant and/or oil leaks in the underbody and engine compartment.
50. Visually inspect engine compartment lines.
51. Visually inspect the engine compartment wiring harnesses.
52. Visually inspect underbody lines.
53. Visually inspect exhaust pipes.
54. Visual inspection of fuel tanks.
55. Check visually that the following are fitted/tightened correctly: Suspension components, steering box and axle shaft flanges.
56. Check visually that the following are fitted/tightened correctly: Vehicle ground and engine-chassis ground.
57. Visually inspect condition of brake pads and discs (**DO NOT** remove wheels).



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58. Check condition of the tires and wheels.
59. Visually check that the water drain holes in the rear screen seal are not obstructed (as described in paragraph **E5.12 Rear screen RHT** of the Workshop Manual).
60. Refit the aerodynamic floor and the engine compartment panels and the RHT container tub (as described in paragraph **E3.01** and **E3.03** of the Workshop Manual).
61. Check that the door and lid locks work correctly; adjust if necessary.
62. Check that the fuel filler flap emergency release works correctly; adjust if necessary.
63. Visually inspect condition of vehicle interior; repair if necessary.
64. Thoroughly clean interior and wash car.
65. 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), second vehicle key and code card, and any material related to options.
66. Check that the battery conditioner provided with the vehicle works correctly, referring to the relevant manual.



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- IMPORTANT -

Confirm that the operations listed above have been carried out correctly with the “Pre-Delivery Inspection - PDI” form (enclosed on pages 8 and 9), 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 documentation necessary, including photographs if needed.



Pre-Delivery Inspection - PDI form

Model	Updated on
488PISTA SPIDER	December 2018

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 Park Lock device.	<input type="checkbox"/>	<input type="checkbox"/>	
4. - Reset Park Lock device.	<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 the keys and the anti-theft system.	<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 vehicle front lift system (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
11. - High beams.	<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, vehicle interior light and luggage compartment light .	<input type="checkbox"/>	<input type="checkbox"/>	
15. - Button backlights on dashboard, 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 and BackLite rear screen.	<input type="checkbox"/>	<input type="checkbox"/>	
18. - Windshield and headlight wipers.	<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. - Infotainment system / Navigation system (if applicable) (see point 36).	<input type="checkbox"/>	<input type="checkbox"/>	
23. - Coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
24. - Power steering oil 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 calibrated 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. - * Complete retractable hard top open/close cycles.	<input type="checkbox"/>	<input type="checkbox"/>	
31. - * Air conditioning and heating system (static test).	<input type="checkbox"/>	<input type="checkbox"/>	
32. - * Electric rear-view mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
33. - * Electrochromic rear view mirrors (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
34. - * Parking sensors and rear/front camera.	<input type="checkbox"/>	<input type="checkbox"/>	
35. - Cancel all DTCs from all ECUs.	<input type="checkbox"/>	<input type="checkbox"/>	
36. - Navigator (if applicable): Set route.	<input type="checkbox"/>	<input type="checkbox"/>	
37. - Test drive (20 min.).	<input type="checkbox"/>	<input type="checkbox"/>	
38. - Stop&Start (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	

(*) With engine running



Pre-Delivery Inspection - PDI form

Model	Updated on
488PISTA SPIDER	December 2018

39. - Suspension damping decouple button and "Manettino".	<input type="checkbox"/>	<input type="checkbox"/>
40. - Telemetry kit (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>
41. - Air conditioning and heating system (dynamic test).	<input type="checkbox"/>	<input type="checkbox"/>
42. - for USA / CND ONLY _ SDARS preview Channel Test.	<input type="checkbox"/>	<input type="checkbox"/>
43. - Engine oil level (warm engine - at idle speed).	<input type="checkbox"/>	<input type="checkbox"/>
44. - Verify VIN from NCM parameters.	<input type="checkbox"/>	<input type="checkbox"/>
45. - Check and cancel ECU errors.	<input type="checkbox"/>	<input type="checkbox"/>
46. - Enter warranty start date.	<input type="checkbox"/>	<input type="checkbox"/>
47. - Perform "SCAN OUT" procedure.	<input type="checkbox"/>	<input type="checkbox"/>
48. - Removal of flat undertray, engine compartment shields and RHT tub.	<input type="checkbox"/>	<input type="checkbox"/>
49. - Water and/or oil leaks in vehicle underbody .	<input type="checkbox"/>	<input type="checkbox"/>
50. - Engine compartment lines.	<input type="checkbox"/>	<input type="checkbox"/>
51. - Engine compartment wiring.	<input type="checkbox"/>	<input type="checkbox"/>
52. - Underbody lines.	<input type="checkbox"/>	<input type="checkbox"/>
53. - Exhaust pipe.	<input type="checkbox"/>	<input type="checkbox"/>
54. - Visual inspection of fuel tanks.	<input type="checkbox"/>	<input type="checkbox"/>
55. - Visual inspection: Suspension components, etc.	<input type="checkbox"/>	<input type="checkbox"/>
56. - Visual inspection of ground connections: vehicle and engine-chassis ground.	<input type="checkbox"/>	<input type="checkbox"/>
57. - Condition of brake pads and discs (DO NOT remove wheels).	<input type="checkbox"/>	<input type="checkbox"/>
58. - Condition of tires and wheel rims.	<input type="checkbox"/>	<input type="checkbox"/>
59. - Visual inspection to check that water drain holes are not obstructed.	<input type="checkbox"/>	<input type="checkbox"/>
60. - Reassembly of flat undertray, engine compartment shields ar RHT tub.	<input type="checkbox"/>	<input type="checkbox"/>
61. - Door and lid locks.	<input type="checkbox"/>	<input type="checkbox"/>
62. - Fuel filler flap emergency opening.	<input type="checkbox"/>	<input type="checkbox"/>
63. - Condition of vehicle interior.	<input type="checkbox"/>	<input type="checkbox"/>
64. - Clean interior and wash car.	<input type="checkbox"/>	<input type="checkbox"/>
65. - Material provided with vehicle: Identification plates, toolkit, etc.	<input type="checkbox"/>	<input type="checkbox"/>
66. - Functional test of battery conditioner	<input type="checkbox"/>	<input type="checkbox"/>

Task performed by (Dealer):

Technical Manager:

First name _____
(Print)

Surname _____
(Print)

Company stamp

Full signature

Vehicle delivery date: _____

