



# Ferrari North America

## Technical Information

Date: August 2020  
Bulletin #: 2677  
Campaign #:  
Supersedes:  
Section: 10

Model:

Ferrari  
**F8 SPIDER**

This Technical Information Cancels and Replaces  
the previous TI 2656 of March 2020

**Subject:** Pre-Delivery Inspection – 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	88
- Module 2	Technical Documentation	12
- Module 3	Tools	8

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

After updating the DEIS, the first vehicle diagnostic cycle must be performed using a cable connection.

#### Procedure.

1. Visually inspect **condition of vehicle paintwork**; repair if necessary (use the specific “**Bodywork anomalies**” form annexed on page 10).
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 the Key-ON status and check which letter appears on the DOT MATRIX display:



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- if letter “**P**” (Park Lock) is displayed, go to point 5.
  - if letter “**N**” (Neutral) is displayed, go to point 4.
4. Re-enable the Park Lock – Gearbox **lock** device (as described in paragraph C2.07 of the Workshop Manual).
  5. If the vehicle does not have a Lithium Ion battery, perform the “**Battery Certification**” procedure (TI 2079 / 2230), and compile the relative form. If necessary, remove the battery from the vehicle and charge using the “**SLOW charge**” procedure (TI 2078). If the vehicle is equipped with a **lithium battery** (optional) print out the engine parameters with the **DEIS** tester and check that the **SOC** (State of Charge) value of the lithium battery is at least 70%. If the SOC is below this level, the battery must be recharged.

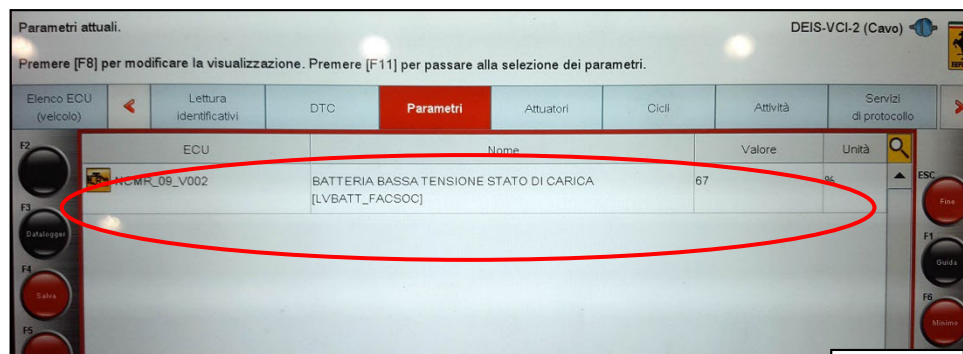


Fig. 1

- Note:** If the battery needs to be recharged, we recommend using a **FRONIUS Activa Professional 35A** stabilized power supply and following the instructions provided in Technical Instruction **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 beams work correctly: also check that the **AFS** system (adaptive front lights - if applicable) works correctly by turning the steering wheel.



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10. Check that the vehicle front lift (if present) is working: check the AFS system (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 beams work correctly.
12. Check that the stop lights work correctly.
13. Check that the turn indicators and license plate lights work correctly.
14. Check that the door lights, vehicle interior light and luggage compartment lights work correctly.
15. Test the buttons on the steering wheel, dashboard, doors and center console, and check that the respective backlights, ceiling light unit and USB socket light work correctly.
16. Try the horn.
17. Check that the power windows and “BackLite” rear window work correctly.
18. Check that the windshield and headlight wipers/washers 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 that the Hi-Fi (if applicable) / Navigation system (if applicable) work (see point 36); **Set the relative roadside assistance numbers for your market.**
23. Check the coolant level and top up if necessary.
24. Check the power steering fluid level and top up if necessary.
25. Check the brake fluid level and top up if necessary.
26. Check the headlight washer/windshield washer fluid level and top up if necessary.



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27. Check tire pressure calibration with the **TPMS** system.
28. Check the tightening of the wheel studs with a torque wrench (as described in paragraph **D2.01** of the Workshop Manual).
29. Check that the tow hook can be fitted correctly.

### **Start engine 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, and **Surround View** cameras (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 setting off.
37. Test drive the vehicle (approx. **20** minutes).
38. Check that Stop&Start system works correctly.
39. While driving, check that the “Suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
40. While driving, check that the ADAS driver assistance systems (if applicable) work correctly:



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- Adaptive Cruise Control;
- Blind Spot Detection;
- Rear Cross Traffic Alert;
- Traffic Sign Recognition;
- Lane Departure Warning.

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, activate Sirius XM as per FNA 165.

### **Return to workshop.**

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; For more information on the locations of vehicle identification numbers, see chapter **A1.02** of the Workshop Manual. 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 a **PDI anomaly 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 for coolant and/or oil leaks in the underbody area and engine compartment.



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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 correctly: Suspension components, steering box and axle shaft flanges.
56. Check visually that the following are fitted correctly: Vehicle ground and engine-chassis ground.
57. Visually inspect condition of brake pads and discs (DO NOT remove wheels).
58. Check condition of tires and wheels.
59. Visually check that the water drain holes in the rear window seal are not obstructed.
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.



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66. Check that the battery conditioner provided with the vehicle works correctly, referring to the relative manual.

### - 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) if the vehicle is in “New Model/Special Series” status (ref. TI 2667) specifying “PDI Form Info” as the description. **Attach the completed “PDI Pre-Delivery Inspection” form** together with the printout files of the parameters and errors requested in points 5, 35 and 47.

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
	May 2020

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. - "Battery certification" procedure / Lithium battery SOC (State of Charge) check (if applicable)	<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 beam lights and AHS (if applicable).	<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 license plate lights.	<input type="checkbox"/>	<input type="checkbox"/>	
14. - Door lights, cabin light and luggage compartment light.	<input type="checkbox"/>	<input type="checkbox"/>	
15. - Function of buttons and backlighting.	<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 wipers and headlight washers.	<input type="checkbox"/>	<input type="checkbox"/>	
19. - Steering wheel adjustment.	<input type="checkbox"/>	<input type="checkbox"/>	
20. - Check seat functions.	<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 36).	<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. - Windshield washer / headlight washer fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
27. - Tire pressure calibration with TPMS.	<input type="checkbox"/>	<input type="checkbox"/>	
28. - Tightness 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, front / rear cameras and Surround View.	<input type="checkbox"/>	<input type="checkbox"/>	
35. - Cancel all DTCs from all ECUs.	<input type="checkbox"/>	<input type="checkbox"/>	
36. - Navigation system (if applicable): Set route.	<input type="checkbox"/>	<input type="checkbox"/>	
37. - Test drive (20 min.).	<input type="checkbox"/>	<input type="checkbox"/>	
38. - Test Stop&Start function.	<input type="checkbox"/>	<input type="checkbox"/>	

**(\*) With engine running**



# Pre-Delivery Inspection - PDI form

Model	Updated on
	<b>May 2020</b>

39. - Suspension damping decouple button and “Manettino”.	<input type="checkbox"/>	<input type="checkbox"/>
40. - Check ADAS systems (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_ SiriusXM activation	<input type="checkbox"/>	<input type="checkbox"/>
43. - Engine oil level (warm engine – at idle speed).	<input type="checkbox"/>	<input type="checkbox"/>
44. - Check VIN on NCM, on windshield VIN plate and on chassis.	<input type="checkbox"/>	<input type="checkbox"/>
45. - Check and cancel ECU errors.	<input type="checkbox"/>	<input type="checkbox"/>
46. - Enter the 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. - Check for water and/or oil leaks in vehicle underbody area.	<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 System.	<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 wheels.	<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 and RHT tub.	<input type="checkbox"/>	<input type="checkbox"/>
61. - Door and lid locks.	<input type="checkbox"/>	<input type="checkbox"/>
62. - Petrol 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. - Provided with vehicle: plate frames, toolkits, etc.	<input type="checkbox"/>	<input type="checkbox"/>
66. - Functional test of battery maintainer	<input type="checkbox"/>	<input type="checkbox"/>

Job performed by (Dealer): \_\_\_\_\_

Technical Manager:

First name \_\_\_\_\_ (Print) Last Name \_\_\_\_\_ (Print)

Company stamp

\_\_\_\_\_  
Full signature

Vehicle delivery date: \_\_\_\_\_

