



Ferrari North America

Technical Information

Date: August 2020
Bulletin #: 2680
Campaign #:
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Section: 10

Subject: 812 Superfast Pre-Delivery Inspection – PDI procedures

**This Technical Information Cancels and Replaces
the previous TI 2436 of June 2017**

Please find enclosed the procedures and 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	47
- Module 1	DEIS Diagnostic software	76
- Module 2	Technical Documentation	12
- Module 3	Tools	7

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.



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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 **F2.01** of the Workshop Manual).
3. Activate Key-ON state (as described in paragraph **E5.06** of the Workshop Manual), and check which letter is shown on the DOT MATRIX display:
 - If letter **“P”** (Park Lock) is on the display, go to point 5.
 - If letter **“N”** (Neutral) is on the display, go to point 4.
4. Re-enable the Park Lock – Gearbox **lock** device (as described in paragraph **E5.10** of the Workshop Manual).
5. Remove the engine compartment cosmetic shields (as described in paragraph **E3.14** of the Workshop Manual); 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).
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 lights work correctly: also check that the AHS system (Adaptive Headlights System - if applicable) works correctly by turning the steering wheel.
10. Check the vehicle front lift (if present) is working: also check that the AHS system (Adaptive Headlights System - if applicable) works correctly. With the car raised, the height of the headlight beam must be the same as with the car lowered.
11. Check that the high beam lights work correctly.
12. Check that the brake lights work correctly.



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13. Check that the turn indicators and license plate lights work correctly.
14. Check that the steering wheel buttons, door lights, vehicle interior lights, footwell lights, luggage compartment lights and rear lid lights work correctly.
15. Test the buttons on the steering wheel, dashboard, doors and center console tunnel, and check that their respective backlights, the ceiling light unit and the USB port socket backlight work correctly.
16. Test the horn.
17. Check that the power windows work correctly.
18. Check that the windshield and headlight wipers/washers work correctly.
19. Check that the steering adjustment mechanism works correctly.
20. Check that the driver and passenger side electric or mechanically adjusted seats work correctly and test the memory storage function.
21. Make that the electric parking brake (**EPB**) works correctly; test manual and automatic modes.
22. Check that Hi-Fi / navigation system works correctly (see point 34); **set the relative roadside assistance numbers for your market.**
23. Check coolant level and top up if necessary.
24. Check brake fluid level and top up if necessary.
25. Check headlight washer/windshield washer fluid level and top up if necessary.
26. Check tire pressure/calibration with **TPMS**.
27. Check tightening of wheel stud bolts using a torque wrench (as described in paragraph **D2.01** in the Workshop Manual).
28. Check that the tow hook is fitted correctly.



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Start the engine (as described in paragraph E5.06 of the Workshop Manual), and perform the following:

29. Check that the air conditioning and heating system works correctly (static test).
30. Check that the electric rear-view mirrors work correctly.
31. Select reverse:
 - check that the angle of the **RH rear view mirror**(or the **LH** mirror on **RHD** cars) adjusts automatically;
 - check that the **internal electrochromic mirror** and the **electrochromic RH** and **LH** rear view mirrors work correctly.
32. Check that the front and rear parking sensors work correctly; check the rear and front cameras (if present).
33. Using the **DEIS** tester, perform the “**Cancel all DTCs from all ECUs**” procedure from the “**Vehicle functions**” menu.

Test drive.

34. Check that the navigation system works correctly (if applicable); Set route before starting.
35. Test drive the vehicle (approx. **20** minutes).
36. Check that Stop&Start system works correctly.
37. While driving, check that the “Suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
38. While driving, check that the **ADAS** driver assistance systems (if applicable) work correctly:
 - Adaptive Cruise Control;
 - Blind Spot Detection;
 - Rear Cross Traffic Alert;
 - Traffic Sign Recognition;
 - Lane Departure Warning;



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39. While driving, check that the air conditioning and heating system works correctly (dynamic test).
40. **For USA/CND Version only.** Take the vehicle into a location with a clear view of the sky and activate Sirius XM as per FNA 165.

Return to workshop.

41. Check the engine oil level (**engine warm and at idle speed**) and top up if necessary (as described in paragraph **A3.01** of the Workshop Manual).
42. 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** ECUs (RH and LH engine control nodes).
43. Check and cancel the errors on all ECUs.
44. Enter the warranty start date (Check that the language setting on the TFT display is correct).
45. Disconnect the battery , wait **30”** and reconnect (as described in paragraph **F2.01** of the Workshop Manual). Restore the self-adaptive vehicle parameters (as described in paragraph **F2.01** of the Workshop Manual).
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 aerodynamic undertray from the vehicle (as described in paragraph **E3.13** 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.



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51. Visually inspect underbody lines.
52. Visually inspect exhaust pipe.
53. Visually inspect fuel tank.
54. Visually check correct assembly of: Suspension units, steering box and rear axle shaft flanges.
55. Visually check correct assembly of: Vehicle ground point, engine ground point on chassis and gearbox ground point on chassis.
56. Visually inspect condition of brake pads and discs (DO NOT remove wheels).
57. Check condition of tires and wheels.
58. Refit complete aerodynamic undertray complete and cosmetic engine compartment shields (as described in paragraph **E3.13** and **E3.14** 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 leather upholstery; repair if necessary
62. Thoroughly clean interior and wash car.
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), second vehicle key and Code Card, and any material related to options.
64. Check that the battery conditioner provided with the vehicle works correctly, referring to the relative 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 Authorized Ferrari Dealer.

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 , 33, 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

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Model	Updated on
812superfast	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.	<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, vehicle interior and luggage compartment lights.	<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.	<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 (see point 34).	<input type="checkbox"/>	<input type="checkbox"/>	
23. - Coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
24. - Brake fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
25. - Windshield washer/headlight washer fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
26. - Tire pressure / TPMS system calibration.	<input type="checkbox"/>	<input type="checkbox"/>	
27. - Tightness of wheel studs.	<input type="checkbox"/>	<input type="checkbox"/>	
28. - Tow hook.	<input type="checkbox"/>	<input type="checkbox"/>	
29. - * AC system (static test).	<input type="checkbox"/>	<input type="checkbox"/>	
30. - * Electric rear-view mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
31. - * Electrochromic rear view mirrors (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
32. - * Parking sensors, front/rear cameras and Surround View.	<input type="checkbox"/>	<input type="checkbox"/>	
33. - Cancel all DTCs from all ECUs.	<input type="checkbox"/>	<input type="checkbox"/>	
34. - Navigation system: Set route.	<input type="checkbox"/>	<input type="checkbox"/>	
35. - Test drive (20 min.).	<input type="checkbox"/>	<input type="checkbox"/>	
36. - Test Stop&Start function.	<input type="checkbox"/>	<input type="checkbox"/>	

(*) With engine running



Pre-Delivery Inspection - PDI form

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Model	Updated on
<i>812superFast</i>	May 2020

Description of inspection / operation:	Performed OK	Performed NOT OK	R.O.L. N° (if NOT OK)
37. - Suspension damping decouple button and "Manettino".	<input type="checkbox"/>	<input type="checkbox"/>	
38. - Check ADAS systems (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
39. - AC system (dynamic test).	<input type="checkbox"/>	<input type="checkbox"/>	
40. - For USA/ CND ONLY - SiriusXM activation.	<input type="checkbox"/>	<input type="checkbox"/>	
41. - Engine oil level (warm engine - at idle speed).	<input type="checkbox"/>	<input type="checkbox"/>	
42. - Check VIN on NCM, on windshield VIN plate and on chassis.	<input type="checkbox"/>	<input type="checkbox"/>	
43. - Delete ECU errors.	<input type="checkbox"/>	<input type="checkbox"/>	
44. - Enter the warranty start date.	<input type="checkbox"/>	<input type="checkbox"/>	
45. - Disconnect and reconnect battery.	<input type="checkbox"/>	<input type="checkbox"/>	
46. - Perform SCAN OUT procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
47. - Remove complete aerodynamic undertray.	<input type="checkbox"/>	<input type="checkbox"/>	
48. - Check for water and/or oil leaks in vehicle underbody area.	<input type="checkbox"/>	<input type="checkbox"/>	
49. - Engine compartment lines.	<input type="checkbox"/>	<input type="checkbox"/>	
50. - Engine compartment wiring.	<input type="checkbox"/>	<input type="checkbox"/>	
51. - Underbody lines.	<input type="checkbox"/>	<input type="checkbox"/>	
52. - Exhaust pipe.	<input type="checkbox"/>	<input type="checkbox"/>	
53. - Fuel tank.	<input type="checkbox"/>	<input type="checkbox"/>	
54. - Visual inspection: Suspension components, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
55. - Visual inspection of earth connections: vehicle/engine and gearbox ground on chassis.	<input type="checkbox"/>	<input type="checkbox"/>	
56. - Condition of brake pads and discs (DONOT remove wheels).	<input type="checkbox"/>	<input type="checkbox"/>	
57. - Condition of tires and wheels.	<input type="checkbox"/>	<input type="checkbox"/>	
58. - Refit flat undertray and the cosmetic engine compartment shields.	<input type="checkbox"/>	<input type="checkbox"/>	
59. - Door and lid locks.	<input type="checkbox"/>	<input type="checkbox"/>	
60. - Fuel filler flap emergency opening.	<input type="checkbox"/>	<input type="checkbox"/>	
61. - Condition of vehicle's leather upholstery.	<input type="checkbox"/>	<input type="checkbox"/>	
62. - Clean interior and wash car.	<input type="checkbox"/>	<input type="checkbox"/>	
63. - Material provided with vehicle: Toolkit, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
64. - 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: _____

