



Ferrari North America

Technical Information

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Model Type: LaFerrari Aperta
Model Year: All
Subject: Pre-Delivery Inspection – PDI procedures

- IMPORTANT -

- **The pre-delivery inspection procedures (PDI) may only be performed or authorized by your FHVT (Ferrari High Voltage Technician), who has received adequate training for working with high voltage systems.**
- **Ensure that all the Safety Measures required to make the vehicle safe to work on are performed when necessary.**
- **In case of any doubt, contact the Ferrari Help Desk before starting any work on the vehicle.**

Please find attached 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.



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- 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	71
- Module 2	Technical Documentation	12
- Module 3	Tools	6

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 defects” form attached on page 12).
2. Open the doors then lift the engine compartment lid (as described in paragraph E5.10 of the Workshop Manual).
3. If disconnected, connect the negative pole of the 12V battery and reset the vehicle auto-adaptive parameters (as described in paragraph F2.01 of the Workshop Manual).
4. Turn the ignition switch to II and check for any active warning indicators on the instrument panel. If necessary, diagnose with the DEIS Tester.
5. With the ignition key turned to II, check the letter shown on the DOT MATRIX display:
 - If letter “**P**” (Park Lock) is on the display, go to point 7.
 - If letter “**N**” (Neutral) is on the display, go to point 6.



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6. Re-enable the Park Lock – Gearbox **lock** device (as described in paragraph **E5.11** of the Workshop Manual).
7. Connect the **DEIS** Tester to the vehicle diagnostic socket then contact the Ferrari Help Desk for the password necessary for accessing the F150 with the DEIS.
8. From the SCAN IN report, check the SOC (State Of Charge) parameters for the 12V battery and the HV battery.
9. Connect the Battery Charger/Conditioner and perform a complete recharge cycle on the two batteries. Recharging is completed after “Balancing” when the three lights on the Battery Charger/Conditioner flash on and off. Make sure that the recharge cycle is performed when the key is in the **OFF** position.
10. From the ECU list displayed by the DEIS Tester, select the **HVB** ECU, then select all the values in the “**Parameters**” section and save them in pdf format.
11. Using the **DEIS** tester, disable the “**Logistic Mode**” function with diagnostic cycle “**70 Complete Logistic Mode**” on the **NBC** ECU (Body Computer Node).
12. Test the keys and the anti-theft system.
13. Check that the daytime lights work correctly (depending on market).
14. Check that low beams are working.
15. Check that the front lift functions correctly (if applicable).
16. Check that the high beam lights work correctly.
17. Check that the brake lights work correctly.
18. Check that turn indicators work correctly.
19. Check that the internal cabin lights are working.
20. Check that the driver side door, dashboard, center tunnel console and ceiling light unit button lights are working.
21. Test the horn.



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22. Check that the power windows work correctly.
23. Check that the windscreen and headlight wipers work correctly.
24. Check that the mechanical steering adjustment mechanism works correctly.
25. Check that the pedal board adjustment mechanism works correctly.
26. Check function of electric parking brake (EPB); test manual and automatic modes.
27. Check functions of Hi-Fi / Navigator system (if applicable); **set the relative roadside assistance numbers for your market.**
28. Check engine coolant level and top up if necessary.
29. Check high voltage battery coolant level and top up if necessary.
30. Check inverter and electric motor 2 coolant level and top up if necessary.
31. Check power steering fluid level and top up if necessary.
32. Check brake fluid level and top up if necessary.
33. Check headlight washer/windscreen washer fluid level and top up if necessary.
34. Check tire pressures.
35. Check tightness of wheel fastener nuts with a torque wrench (as described in paragraph **D2.01** of the Workshop Manual).
36. Check that the tow hook is fitted correctly.
37. Check that all High Voltage warning labels are applied correctly.



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Start engine and perform the following:

38. Perform static function test of AC system.
39. Test function of adjustable electric rear view mirrors.
40. Check function of parking sensors and rear camera.
41. Check that the “Suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
42. Check functions of Telemetry Kit (if applicable).
43. Using the DEIS tester, perform the “Cancel all DTCs from all ECUs” procedure from the “Vehicle functions” menu.
44. 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).

Stop the engine and perform the following:

45. 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).
46. Check and cancel the errors on all ECUs.
47. Enter the warranty start date (Check that the language setting on the TFT display is correct).
48. Perform the “SCAN OUT” procedure from the “Vehicle functions” menu with the DEIS tester **before carrying out any further diagnostic operations.**
49. Remove the aerodynamic undertray from the vehicle (as described in paragraph E3.13 of the Workshop Manual).
50. Visually check for coolant and/or oil leaks in the underbody area and engine compartment.



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51. Visually inspect engine compartment lines.
52. Visually inspect engine compartment wiring harnesses.
53. Visually inspect the High Voltage wiring harnesses in the engine compartment.
54. Visually inspect underbody lines.
55. Visually inspect exhaust pipe.
56. Visually inspect fuel tank connections.
57. Visually check correct assembly/fastener tightness of: Suspension components and steering box.
58. Visually check correct assembly/fastener tightness of: Vehicle earth, engine earth on chassis and inverter earth on chassis.
59. Visually inspect condition of service brake discs and pads and EPB brake pads (DO NOT remove wheels).
60. Check condition of tires and wheels.
61. Refit the complete aerodynamic undertray (as described in paragraph **E3.13** of the Workshop Manual).
62. Lower the engine compartment lid then close the doors (as described in paragraph **E5.10** of the Workshop Manual).
63. Check function of door and lid locks; adjust if necessary.
64. Check function of fuel filler flap and battery charger cover emergency release, luggage compartment emergency release and engine window release; adjust if necessary.
65. Visually inspect condition of leather upholstery; repair if necessary.
66. Clean the interior thoroughly and wash the exterior. Do not use an automatic car wash with rotary brushes. Do not use steam or pressure cleaners to clean the engine compartment, areas in the vicinity of high voltage cables and components, areas in the



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vicinity of the battery conditioner socket and high voltage battery, or the vehicle bodywork in general, as they may cause damage to the high voltage system.

67. Ensure that the vehicle is delivered complete with the following:
- Identification and Type Approval plates
 - License plate holder
 - Toolkit
 - Specific battery conditioner for the vehicle.
 - Fabric emergency roof with relative holder bag.
 - On Board Documentation (Owner's Manual, Quick Reference Guide, Warranty Booklet, Emergency Response Guide, First Aid Guide, Battery conditioner guide), second vehicle key, Code Card and any other material related to optional accessories.



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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 9 to 11), completed in full and signed by the Aftersales Manager of your Authorized Service Center.

After the inspection procedures, **ALWAYS open** an ROL (Red On Line) specifying “PDI Form Info” as the description, **and attach the completed “PDI Pre-Delivery Inspection” form** together with the printout files of the parameters requested in points 10, 43 and 48.

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.

Thank you for your co-operation.



Pre-Delivery Inspection - PDI form

Model	Updated on
	October 2016

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. - Lift engine compartment lid.	<input type="checkbox"/>	<input type="checkbox"/>	
3. - Connect 12V battery and reset vehicle parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
4. - Check for active warning indicators on instrument panel.	<input type="checkbox"/>	<input type="checkbox"/>	
5. - Check Park Lock device.	<input type="checkbox"/>	<input type="checkbox"/>	
6. - Reset Park Lock device.	<input type="checkbox"/>	<input type="checkbox"/>	
7. - Connect DEIS and contact Help Desk to request password.	<input type="checkbox"/>	<input type="checkbox"/>	
8. - Check SOC parameter for batteries from SCAN IN.	<input type="checkbox"/>	<input type="checkbox"/>	
9. - Perform a battery charge cycle.	<input type="checkbox"/>	<input type="checkbox"/>	
10. - Save HVB ECU parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
11. - Disable "Logistic Mode".	<input type="checkbox"/>	<input type="checkbox"/>	
12. - Test keys, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
13. - Daytime running lights.	<input type="checkbox"/>	<input type="checkbox"/>	
14. - Low beams.	<input type="checkbox"/>	<input type="checkbox"/>	
15. - Check front lift (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
16. - High beams.	<input type="checkbox"/>	<input type="checkbox"/>	
17. - Stop lights.	<input type="checkbox"/>	<input type="checkbox"/>	
18. - Turn indicators.	<input type="checkbox"/>	<input type="checkbox"/>	
19. - Cabin light unit.	<input type="checkbox"/>	<input type="checkbox"/>	
20. - Button lights on driver side door, center tunnel console, dashboard etc.	<input type="checkbox"/>	<input type="checkbox"/>	
21. - Horn.	<input type="checkbox"/>	<input type="checkbox"/>	
22. - Power windows.	<input type="checkbox"/>	<input type="checkbox"/>	
23. - Windscreen and headlight wipers.	<input type="checkbox"/>	<input type="checkbox"/>	
24. - Steering wheel adjustment	<input type="checkbox"/>	<input type="checkbox"/>	
25. - Pedal board adjustment.	<input type="checkbox"/>	<input type="checkbox"/>	
26. - Electric parking brake (EPB); manual/auto.	<input type="checkbox"/>	<input type="checkbox"/>	
27. - Hi-Fi / Navigator system (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
28. - Engine coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
29. - High voltage battery coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
30. - Inverter and electric motor 2 coolant level.	<input type="checkbox"/>	<input type="checkbox"/>	
31. - Power steering oil level.	<input type="checkbox"/>	<input type="checkbox"/>	
32. - Braking system fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
33. - Windscreen washer/headlight washer fluid level.	<input type="checkbox"/>	<input type="checkbox"/>	
34. - Tire pressure.	<input type="checkbox"/>	<input type="checkbox"/>	
35. - Tighten wheel fastener nuts.	<input type="checkbox"/>	<input type="checkbox"/>	
36. - Tow eye.	<input type="checkbox"/>	<input type="checkbox"/>	
37. - Check High Voltage warning labels.	<input type="checkbox"/>	<input type="checkbox"/>	



Pre-Delivery Inspection - PDI form

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Model	Updated on
	October 2016

Description of inspection / operation:	Performed OK	Performed NOT OK	R.O.L. N° (if NOT OK)
38. - * Air conditioning and heating system (static test).	<input type="checkbox"/>	<input type="checkbox"/>	
39. - *Electric rear-view mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
40. - *Parking sensors and rear camera.	<input type="checkbox"/>	<input type="checkbox"/>	
41. - *Suspension damping decouple button and “Manettino”.	<input type="checkbox"/>	<input type="checkbox"/>	
42. - *Check Telemetry kit (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
43. - Cancel all DTCs from all ECUs.	<input type="checkbox"/>	<input type="checkbox"/>	
44. - Engine oil level (warm engine – at idle speed).	<input type="checkbox"/>	<input type="checkbox"/>	
45. - Verify VIN from NCM parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
46. - Check and cancel ECU errors.	<input type="checkbox"/>	<input type="checkbox"/>	
47. - Enter warranty start date.	<input type="checkbox"/>	<input type="checkbox"/>	
48. - Perform SCAN OUT procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
49. - Remove aerodynamic floor.	<input type="checkbox"/>	<input type="checkbox"/>	
50. - Water and/or oil leaks in vehicle underbody .	<input type="checkbox"/>	<input type="checkbox"/>	
51. - Engine compartment lines.	<input type="checkbox"/>	<input type="checkbox"/>	
52. - Engine compartment wiring.	<input type="checkbox"/>	<input type="checkbox"/>	
53. - High voltage wiring harnesses in engine compartment.	<input type="checkbox"/>	<input type="checkbox"/>	
54. - Underbody lines.	<input type="checkbox"/>	<input type="checkbox"/>	
55. - Exhaust pipe.	<input type="checkbox"/>	<input type="checkbox"/>	
56. - Fuel tank connections.	<input type="checkbox"/>	<input type="checkbox"/>	
57. - Visual inspection: Suspension components, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
58. - Visual inspection of earth connections: vehicle/engine and inverter earth on chassis.	<input type="checkbox"/>	<input type="checkbox"/>	
59. - Condition of brake pads and discs (DO NOT remove wheels).	<input type="checkbox"/>	<input type="checkbox"/>	
60. - Condition of tires and wheel rims.	<input type="checkbox"/>	<input type="checkbox"/>	
61. - Refit complete flat undertray.	<input type="checkbox"/>	<input type="checkbox"/>	
62. - Lower engine compartment lid.	<input type="checkbox"/>	<input type="checkbox"/>	
63. - Door and lid locks.	<input type="checkbox"/>	<input type="checkbox"/>	
64. - Emergency release of fuel filler flap, luggage compartment lid etc.	<input type="checkbox"/>	<input type="checkbox"/>	
65. - Condition of vehicle's leather upholstery.	<input type="checkbox"/>	<input type="checkbox"/>	
66. - Clean interior and wash car.	<input type="checkbox"/>	<input type="checkbox"/>	
67. - Material provided with vehicle: Toolkit, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
(*) With engine running			



Pre-Delivery Inspection - PDI form

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Model	Updated on
<i>LaFerrari</i> <i>aperta</i>	October 2016

Task performed by (Dealer):

Technical Manager:

First name _____ Surname _____
(block letters) (block letters)

Company stamp

_____ Full signature

Vehicle delivery date: _____

Bodywork Defects Form

Ferrari

RILIEVO DI CARROZZERIA ESEGUITO DA:
 BODY SHEET FILLED BY:
 RELEVÉ DE CARROSSERIE COMPILEE PAR:
 KAROSSERIEBEANSTANDUNG AUFSTELLER:

Vettura
 Model
 Modèle
 Modell

Le Ferrari
aperta

Telaio N.
 Ch. No.
 Fahrgestell Nr.

Colore
 Color
 Couleur
 Farbe

Data di consegna
 Delivery date
 Date de livraison
 Übergabedatum

Proprietario
 Owner
 Propriétaire
 Fahrzeughalter

Km/MI

A																			
B																			
C																			
D																			
E																			
F																			
G																			
H																			
I																			
L																			
M																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Riportare in figura i simboli dei difetti riscontrati
 With the proper symbols, mark above defects found
 Reporter sur la figure les symboles des défauts relevés
 Schadhafte stellen auf dem Bild anzeigen (siehe Symbol)

GIUDIZIO - JUDGEMENT- JUGEMENT- URTEIL

Simbolo Symbol	Difetto - Defect - Defaut - Fehler
•••	Sporco/Inclusioni - Impureté/inclusion d'impuretés Dirt/swellings - Schmutz/Schmutzeinschlusse
BBB	Blister - Bulle - Blasen
+++	Schivature - Fisheye - Cratères - Kriechen
■■■	Buccia d'arancio - Orange peel - Peau d'orange - Orangenschale
~~~~~	Colatura - Paint run - Coulée de peinture - Lack Abflauen;
///	Macchie/differenze di tonalità - Taches/différence de tonalite Spots/Color deviations - Flecken/Farbtone Differenz
■	Rinvenimento - Soft Paint - Ramollissement - Erweichung
~~~~~	Scopertura - Thin paint - Epaisseur insuffisante - Durchgeschliffen
***	Scrostatura - Chipping - Ecorchure - Abblatterung
■	Graf - Scratches - Egratignure - Kratzer
~~~~~	Ritocchi visibili - Visible repair - Retouches visibles - Sichtbares Ausbessern
△	Difetti di lamiera - Wavy panel - Défauts de tole - Blech Bearbeitungsfehler
●	Ammaccatura - Dent - Bosse - Beule
AAA	Aloni/opacità

<input type="checkbox"/>	Buono Good Bon Gut	<input type="checkbox"/>	Accettabile Commercially acceptable Acceptable Annehmbar
<input type="checkbox"/>	Necessita riparazione (specicare sotto) Repair necessary (specify below) Reparation nécessaire (specier en-dessous) Reparatur ist notwendig (darunter spezizieren)		

### RIPARAZIONI - REPAIRS - REPARATIONS - REPARATUREN

Zona - Area Zone - Bereich	*	**	Commento - Note - Kommentar

* Problemi d'origine Factory defects Défauts d'origine Ursprüngliche Fehler	** Danneggiamenti da trasporto Transportation damages Dommages de transport Transportschaden
--------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

Data - Date - Datum

Firma - Signature - Unterschrift

Preventivo per la riparazione:  
 Estimate for repairs:  
 Devis frais réparation:  
 Kostenvoranschlag:

In garanzia  
 Under warranty  
 En garantie  
 In Garantie

A pagamento  
 Not under warranty  
 Hors garantie  
 Gegen Bezahlung

Spazio riservato a  
 SAT