



# Ferrari North America Technical Information

Date: February 2016  
Bulletin #: 2309  
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Section: 10

Model Type: F12 TDF  
Model Year: All  
Subject: F12 Pre-Delivery Inspection – PDI procedures

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.

## - 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	44
- Module 1	DEIS Diagnostic software	62
- Module 2	Technical Documentation	12
- Module 3	Tools	5

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 annexed on page 8).



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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. Turn the ignition key to II and check the letter 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 E5.11 of the Workshop Manual).
5. Remove the engine compartment cosmetic shields (as described in paragraph E3.14 of the Workshop Manual), then perform the “Battery Certification” procedure (TI 2079) 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 function of the AFS system (adaptive front lights - if applicable) by turning the steering wheel.
10. Check the vehicle front lift (if present) is working: also check function of the AFS system (adaptive front lights - if applicable). 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.
13. Check that turn indicators work correctly.
14. Check that door lights, vehicle interior light and luggage compartment lights work correctly.



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15. Check that the driver side door, dashboard, centre tunnel console and ceiling light unit button lights are working.
16. Test the horn.
17. Check that the power windows work correctly.
18. Check that the windscreen and headlight wipers work correctly.
19. Check that the mechanical steering adjustment mechanism works correctly.
20. Check the mechanical seat functions.
21. Check function of electric parking brake (EPB); test manual and automatic modes.
22. Check function of Hi-Fi (if applicable) / Navigation system (if applicable) (see point 35); **Set the relative roadside assistance numbers for your market.**
23. Check coolant level and top up if necessary.



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24. Check power steering fluid level and top up if necessary.
25. Check brake fluid level and top up if necessary.
26. Check headlight washer/windscreen washer fluid level and top up if necessary.
27. Check tyre pressure / TPMS system calibration pressure.
28. Check tightness of wheel studs with a torque wrench (as described in paragraph D2.01 of the Workshop Manual).
29. Check that the tow hook is fitted correctly.

### **Start engine and perform the following:**

30. Perform static function test of AC system.
31. Test function of electric rear view mirrors.
32. Select reverse:
  - check that the angle of the RH rear view mirror(or the LH mirror on RHD cars) adjusts automatically;
  - check function of the internal electrochromic mirror and the electrochromic RH and LH rear view mirrors.
33. Check function of front and rear parking sensors and of front/rear camera (if applicable).
34. Using the DEIS tester, perform the “Cancel all DTCs from all ECUs” procedure from the “Vehicle functions” menu.

### **Test drive.**

35. Check function of navigation system (if applicable); Set route before starting.
36. Test drive the vehicle (approx. 20 minutes).
37. Check function of Stop&Start system (if applicable).



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38. While driving, check that the “Suspension damping decoupling” button and “Manettino” dial on the steering wheel work correctly.
39. Check function of telemetry kit (if applicable).
40. Check function of AC system while driving (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 **A3.01** of 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 ECUs (RH and LH engine control nodes).
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. Disconnect the battery , wait **30 seconds** 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).
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 aerodynamic undertray from the vehicle (as described in paragraph **E3.13** of the Workshop Manual).



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49. Visually check for coolant and/or oil leaks in the underbody area and engine compartment.
50. Visually inspect engine compartment lines.
51. Visually inspect engine compartment wiring harnesses.
52. Visually inspect underbody lines.
53. Visually inspect exhaust pipe.
54. Visually inspect fuel tank.
55. Visually check correct assembly/fastener tightness of: Suspension components, steering box and axle shaft flanges.
56. Visually check correct assembly/fastener tightness of: Vehicle earth, engine earth on chassis earth and gearbox earth on chassis.
57. Visually inspect condition of brake pads and discs (DO NOT remove wheels).
58. Check condition of tyres and wheels.
59. Refit complete aerodynamic undertray complete and cosmetic engine compartment shields (as described in paragraph E3.13 and E3.14 of the Workshop Manual).
60. Check function of door and lid locks; adjust if necessary.
61. Check function of fuel filler flap emergency release and luggage compartment emergency release; adjust if necessary.
62. Visually inspect condition of vehicle interior; repair if necessary
63. Thoroughly clean interior and wash car.
64. Ensure that the vehicle is delivered complete with the following:
  - Identification and Type Approval plates
  - License plate holder
  - Toolkit



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- on-board documentation (Owner's Manual, Quick Reference Guide, Warranty Booklet, Safety Device Booklet and Battery Conditioner Card), 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 6 and 7), compiled in full and signed by the Aftersales Manager of your Service Centre.

After completing an inspection, **ALWAYS** open an ROL (Red On Line), indicating “PDI Form Info” as the cause, and attach the duly completed “**PDI Pre-Delivery Inspection**” form, together with the parameter and error printout files requested in points , 34 and 47, and the “Battery state certification” form (TI 2079 / 2230). The procedure for “Testing zero load electric absorption” is given in paragraph F2.14 of the Workshop Manual).

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
<b>F12 tdf</b>	January 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. - 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 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 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.	<input type="checkbox"/>	<input type="checkbox"/>	
14. - Door lights, vehicle interior light and luggage compartment light.	<input type="checkbox"/>	<input type="checkbox"/>	
15. - Door, dashboard, center tunnel console and ceiling light unit button lights.	<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 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. - HI-FI system / navigation system (see point 35).	<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. - Tyre pressure / calibrated pressure on TPMS.	<input type="checkbox"/>	<input type="checkbox"/>	
28. - Tightening of wheel stud bolts.	<input type="checkbox"/>	<input type="checkbox"/>	
29. - Tow eye.	<input type="checkbox"/>	<input type="checkbox"/>	
30. - * Air conditioning and heating system (static test).	<input type="checkbox"/>	<input type="checkbox"/>	
31. - *Electric rear-view mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
32. - *RH or LH rear view mirror – with reverse selected.	<input type="checkbox"/>	<input type="checkbox"/>	
33. - *Parking sensors.	<input type="checkbox"/>	<input type="checkbox"/>	
34. - Cancel all DTCs from all ECUs.	<input type="checkbox"/>	<input type="checkbox"/>	
35. - Navigation system: Set route.	<input type="checkbox"/>	<input type="checkbox"/>	
36. - Test drive (20 min.).	<input type="checkbox"/>	<input type="checkbox"/>	
37. - Stop&Start (functional test) (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	

**(\*) With engine running**



# Pre-Delivery Inspection - PDI form

Model	Updated on
<b>F12 tdf</b>	January 2016

Description of inspection / operation:	Performed	Performed	R.O.L. N° (if NOT OK)
	OK	NOT OK	
38. - Suspension damping decouple button and "Manettino".	<input type="checkbox"/>	<input type="checkbox"/>	
39. - Telemetry kit (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>	
40. - Air conditioning and heating system (dynamic test).	<input type="checkbox"/>	<input type="checkbox"/>	
41. - for USA / CND ONLY_ SDARS preview Channel Test.	<input type="checkbox"/>	<input type="checkbox"/>	
42. - Engine oil level (warm engine - at idle speed).	<input type="checkbox"/>	<input type="checkbox"/>	
43. - Verify VIN from NCM parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
44. - Check and cancel ECU errors.	<input type="checkbox"/>	<input type="checkbox"/>	
45. - Enter warranty start date.	<input type="checkbox"/>	<input type="checkbox"/>	
46. - Disconnect and reconnect the battery.	<input type="checkbox"/>	<input type="checkbox"/>	
47. - Perform SCAN OUT procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
48. - Remove aerodynamic floor.	<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. - Fuel tank.	<input type="checkbox"/>	<input type="checkbox"/>	
55. - Visual inspection: Suspension components, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
56. - Visual inspection of earth connections: vehicle/engine and gearbox earth on chassis.	<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. - Refit flat bottom and the engine compartment panels.	<input type="checkbox"/>	<input type="checkbox"/>	
60. - Door and lid locks.	<input type="checkbox"/>	<input type="checkbox"/>	
61. - Fuel filler flap and luggage compartment lid emergency release.	<input type="checkbox"/>	<input type="checkbox"/>	
62. - Condition of vehicle interior.	<input type="checkbox"/>	<input type="checkbox"/>	
63. - Clean interior and wash car.	<input type="checkbox"/>	<input type="checkbox"/>	
64. - Material provided with vehicle: Toolkit, etc.	<input type="checkbox"/>	<input type="checkbox"/>	

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 COMPIÉE PAR:  
 KAROSSERIEBEANSTANDUNG AUFSTELLER:

Vettura  
 Model  
 Modèle  
 Modell

**F12 tdf**

Colore  
 Color  
 Couleur  
 Farbe

Proprietario  
 Owner  
 Propriétaire  
 Fahrzeughalter

Telaio N.  
 Ch. No.  
 Fahrgestell Nr.

Data di consegna  
 Delivery date  
 Date de livraison  
 Übergabedatum

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)

Simbolo Symbol	Difetto - Defect - Defaut - Fehler
•••	Sporco/Inclusioni - Impureté/inclusion d'impuretés Dirt/swellings - Schmutz/Schmutzeinschlusse
B B B	Blister - Bulle - Blasen
+++	Schivature - Fisheye - Cratères - Kriechen
■ ■ ■	Buccia d'arancio - Orange peel - Peau d'orange - Orangenschale
~~~~~	Colatura - Paint run - Coulée de peinture - Lack Abfließen;
≠	Macchie/differenze di tonalità - Taches/différence de tonalité Spots/Color deviations - Flecken/Farbtön 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 tôle - Blech Bearbeitungsfehler
●	Ammaccatura - Dent - Bosse - Beule
AAA	Aloni/opacità

### GIUDIZIO - JUDGEMENT - JUGEMENT - URTEIL

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

### 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

In garanzia  
 Under warranty  
 En garantie  
 In Garantie

A pagamento  
 Not under warranty  
 Hors garantie  
 Gegen Bezahlung

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

Spazio riservato a  
 SAT