Application for Certification - Part 1

2027 Model Year

Test Group: VFEXV02.9HEV

Durability Group: VFEXGPGNNGDI

EVAP/Refueling Family: VFEXR017506Y

Durability Group Description: Four-Stroke, Otto Cycle, Gasoline-fueled, Direct Fuel Injection, Twin Turbo

Test Group Description: 2.9 Liter V6 LDV HEV

Applicable Exhaust Standards:

Federal Interim-Tier 4 Bin 50

California LEV IV ULEV 50

Applicable Evaporative Emissions Standards:

Federal Interim-Tier 4 Evap

California LEV IV Evap

Carlines Covered:

F80

EPA Response Requested By: May 30, 2026

For Questions, please contact:

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COMMON SECTIONS - INDEX

01.	CORRESPONDANCE & COMMUNICATIONS	01-1
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The Certificate of Conformity should be issued to:

FERRARI S.p.A.

Any other official documents should be mailed to:

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Exhaust Emission Testing:

Ferrari performs the following driving cycles on the worst case configuration:

- FTP 75 at 70°F
- Highway
- US06
- SC03
- Cold FTP 75 at 20°F
- FTP 75 at 50°F

Ferrari performs all the Exhaust Emission Tests using the E10 test fuel.

Evaporative Testing:

Ferrari performed the following Evaporative testing:

- Federal 2-day
- Federal 3-day
- Running Losses
- ORVR
- Leak test

Additional Durability testing information can be found in the "*Ferrari Deterioration Factor Computation Activity on Going*" presentation from December 6th 2012.

Description of the Test Group determination according to Federal Register §86.1827-01:

- Test group name: VFEXV02.9HEV
- Engine displacements covered:
  - F80: 2,992 cm^3 (2.9L)
- Arrangement & # of cylinders: V6 at 120°
- Vehicle class covered: LDV (PC)
- Emission standards class: Interim-Tier 4 Bin 50 / LEV IV ULEV50 (50 States)
- Applicable emission standards: See Section 07 for emission standards.

The MY 2027 **F 80** is the worst-case Emission Data Vehicle for this test group (on which certification tests with Tier 3 E10 fuel was performed) because of its Test Weight and Inertia Weight Class are the highest among all the models.
The certification tests with Tier 3 E10 fuel were performed also on the other carlines covered by this test group.

Test vehicle number & configuration number from EV-CIS: VIN No. 295326.

Basic vehicle description:

- Engine displacement: 2,992 cm^3
- Emission control system: DFI/2TC/2CAC/2TWC(2)/2H0S2(2)/2GPF
- Engine code: F163 CF (2.9/V6/120)
- Transmission: Semiautomatic 8-speed (A8/S8), dual clutch transmission
- ETW: F80: 4250 lbs
- Axle ratio: 3,071
- A/C included: Yes
- Complete Vehicle Description: Please refer to the Vehicle Information Data Sheets

List of all tests carried out for this test group for certification, as submitted to Verify:

F80:

Exhaust Emissions:

- (E10) UDDS/FTP 75 Test Sustaining: → TFEX10090730
- (E10) HWY Test Sustaining: → TFEX10090711
- (E10) US06 Test Sustaining: → TFEX10090177
- (E10) SC03 Test Sustaining: → TFEX10090176
- (E10) Cold CO Test Sustaining: → TFEX10090728
- (E10) 50°F Test Sustaining: → TFEX10090729
- (E10) 2-day Pre-FTP: → TFEX10090182
- (E10) 3-day pre-FTP: → TFEX10090180
- (E10) ORVR Pre-FTP: → TFEX10090184
- (E0) FTP 75 Test Sustaining: → TFEX10090734
- (E0) HWY Test Sustaining: → TFEX10090710

Evaporative/Refueling:

- (E10) 2-day EVAP: → TFEX10090182
- (E10) 3-day EVAP: → TFEX10090180
- (E10) ORVR: → TFEX10090185
- (E10) Running Losses: → TFEX10090183
- (E10) Leak test → TFEX10090178

Ferrari applied SAE J1711-2023.

STATEMENTS

1. **STATEMENT ON THE OBD COMPLIANCE WITH CALIFORNIA OBD II REQUIREMENTS ACCORDING TO THE 40 CFR §86.1806-05(j) FOR THE APPLICATION MODEL YEAR**
   Ferrari states that the California OBD II system mounted in the vehicles meets the full intent of both the Clean Air Act as amended in 1990, §202 (m), Title 13 CCR, §1968.2, and the Federal OBD regulations contained in 40 CFR §86.1806-17, and that the OBD system fulfills the requirements of 40 CFR §86.1806-17 including those provisions pertaining to requests for deficiencies.
2. **STATEMENT ATTESTING THAT THE KNOCK DETECTION MODULE MOUNTED IN THE VEHICLES DO NOT ACTIVATE DURING THE FOLLOWING CONDITION:**
   The Knock detection modules do not activate in any way during the FTP and HWFET and the calibration is designed to operate on 91 RON (93 A.K.I. Octane or higher) gasoline without the need for spark adjustment. There is no influence on the Knock Detection Module control on the city/highway fuel economy and emission results; both remain within the normal test variability.
3. **NMOG**
   This test group is certified in compliance with the exhaust emission standards Federal Interim-Tier 4 and California LEV IV regulations. Therefore, there is the possibility to calculate NMOG from NMHC.
4. **SPITBACK FUEL**
   The vehicles belonging to this Evap/refueling family have been tested according to Federal Regulations and fully comply with all ORVR System Design Rules.
5. **LEAK-FREE EXHAUST**
   Ferrari attests that the exhaust systems installed on all of Ferrari models are free of exhaust leaks as required by 40 CFR §86.1844 (1) (d) (16)(i).
6. **DEFEAT DEVICES & AECD COMPLIANCE**
   The vehicle design does not incorporate strategies that unnecessarily reduce emission control effectiveness exhibited during the FTP, HWY, US06, SC03 when the vehicle is operated under conditions that may reasonably be expected to be encountered in normal operation and use (inclusive of high altitude driving).
7. **HIGH ALTITUDE TESTING**
   Pursuant to the Statement of Compliance Provision presented in 40 CFR §86.1829-15(c) Ferrari States that based on engineering evaluation of appropriate Exhaust and Evaporative Emissions Test Results, all Ferrari Light Duty Vehicles comply with all applicable Emissions Standards at High Altitude.
8. **HIGH ALTITUDE COLD NMHC AND CREE/CO2 COMPLIANCE**
   Ferrari attests that hardware and software emission control strategies of the vehicles of this group used during low altitude condition testing are used similarly across all altitudes for in-use operation
9. **PERFORMANCE WARRANTY TEST COMPLIANCE**
   Ferrari attests that the emission control OBD system complies with the performance warranty test for every vehicle in this test group.
10. **FORMALDEHYDE**
    Ferrari attests to the fact that Formaldehyde levels emitting from the vehicles exhaust are lower than the requisite standards.
11. **FEDERAL LBT+4% COMPLIANCE**
    Ferrari expects that the vehicles in this test group comply with the SFTP/LBT+4% requirement. Enrichment calibrations richer than LBT+4% can protect the engine from emission control hardware failures, engine component failures, excessive coolant temperatures, piston scuff.
12. **FEDERAL AND CALIFORNIA EMISSION CONTROL SYSTEM CONTINUITY**
    Based on engineering evaluations of emission testing between 20F and 86F, Ferrari states there is no discontinuity in emission performance of NMOG, CO, CO2, NOx, N2O, CH4 or HCHO as measured on the Federal Test Procedure and on the Highway Fuel Economy Test Procedure in the temperature range of 20F to 86F for vehicles in this test group.

13. CARB SC03 STATEMENT

Ferrari state that NMOG+NOx and CO exhaust emissions for vehicles tested using the SC03 test procedures incorporated in the "California 2027 and Subsequent Model Year Criteria Pollutant Exhaust Emission Standards and Test Procedures for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" or the "California Test Procedures for 2027 and Subsequent Model Year Zero-Emission Vehicles and Plug-in Hybrid Electric Vehicles, in the Passenger Car, Light-Duty Truck and Medium-Duty Vehicle Classes", as applicable, comply with the following standards.

SCO3 Emissions Standards		
Vehicle Emissions Category	NMOG+NOx (g/mi)	CO (g/mi)
ULEV50	0.050	1.7

14. **CALIFORNIA ENVIRONMENTAL PERFORMANCE LABEL STATEMENT**

Ferrari complies with California Environmental Performance Label Specifications providing Federal Fuel Economy and Environment Label in accordance with 40 CFR Parts 85, 86, and 600.

List of Certified Vehicles

- Durability Group: VFEXGPGNNGDI
- Test Group: VFEXV02.9HEV
- Evaporative Family: VFEXR017506Y
- Fuel: Gasoline (Premium)
- Carline(s): F80

Engine Control System Description:

- Catalytic Converter: 2-TWC
- EGR: N
- AIR N
- Fuel System: DFI
- Oxygen Sensor: 2 front/2 rear oxygen sensors
- Engine Displacement: 2.9 L
- Valves per Cylinder: 4
- Sales Area: 50 States
- SIL: Yes
- Transmission / OD: A8/S8/2
- Axle Ratio: 3,071
- ETW: F80: 4,250 lbs
- Fuel Tank Volume: 16,77 gal +/- 0,8 (63.5 +/- 3 L)
- N/V Ratio: 17,1
- TRLHP: F80: 18,761 hp
- Carline (basic engine): F80: 250
- Engine Code: 163 CF
- Internal Model Code: F250
- Tire Size: **F**: 285/30 ZR 20 - **R**: 345/30 ZR 21
- Inertia Weight Class: F80: 4,250 lb

Engine Starting Procedure

Applicable to all Ferrari Models equipped with 8-speed DCT semiautomatic transmission
(Shift paddles are behind the steering wheel)

Premise

The vehicle is equipped with a 8-speed dual-clutch transmission (DCT-8) that can be operated both in manual mode, using two paddles behind the steering wheel, or in automatic mode, with the Transmission Control Module that changes gears automatically. Every time the engine is started, the AUTO mode is selected. To use the transmission in MANUAL mode, it is enough to pull one of the paddles or push the AUTO button, fitted on the central console. While the automatic mode is selected, the word “auto” is shown in the gear display.

Preliminary Deactivation of the Immobilizer

Press the remote control button attached to the ignition key, so that the small red warning light fitted over the central console is off rather than flashing. Then by about 10 seconds, start the engine as explained below.

Engine Starting – Keyless Ingition System
Ferrari keys utilize a Key-Less vehicle ignition system which can turn on the instrument panel and then the engine by simply placing the key inside the vehicle, near the driving area. The dedicated ECU recognizes the vehicle key by the electronic ID code it contains. The ENGINE START/STOP button on the steering wheel controls the KEY-ON, KEY-OFF, ENGINE START and ENGINE STOP functions:

- KEY-ON: Activate the vehicle system (instrument panel, air conditioning and heating system, infotainment system, etc.), press and quickly release the ENGINE START/STOP button on the steering wheel, without depressing the brake pedal.
- KEY-OFF: Deactivate the vehicle system without starting the engine, press the ENGINE START/STOP button on the steering wheel again.
- ENGINE START: Start the engine, keep the brake pedal pressed and press the ENGINE START/STOP button on the steering wheel.
- ENGINE STOP: Turn off the engine when the vehicle is stationary, press the ENGINE START/STOP button on the steering wheel.

If the key battery has a charge level that is only just sufficient, the vehicle informs the driver via a message on the left TFT display of the instrument panel and recommends replacing the battery as soon as possible. If the battery is dead or the key is not recognized, perform the emergency engine stop procedure described in the Owner’s manual

Cold and Warm Starts

Proceed as follows:

A. Activation of the DCT 8-speed transmission

To activate the DCT 8-speed transmission, press and quickly release the ENGINE START/STOP button on the steering wheel. In the instrument panel, the relative warning light A turns on for an auto check. The check could take some seconds and during this time the system does not accept any input. The warning light will

turn off if no problems are detected within a few seconds. The letter P (Parking) or N (Neutral) will remain highlighted on the display.
In this step, the following could happen:

1. If the failure warning light turns off, the system is correctly started;
2. If the failure warning light flashes continuously, the system is under failure (in this case there will be an acoustic alarm warning you of the failure). At this point turn the ignition and repeat the same steps mentioned above after checking the system failure.

B. Transmission operation

At the end of point a) the system is activated and the engaged gear will appear on the specific display fitted in the instrument panel (see Figure on page 00-6): R, 1....8, P, N. If the gear flashes (it could also happen in N) it means that the gear is not completely engaged or disengaged; in this case engage properly the gear selected.
If a horizontal dash appears on the display the system is in failure mode regarding the CAN communication.

- With engine OFF, it is not possible to engage any gear.
- To engage any gear, the brake pedal must be pressed.
- The right paddle is for upshifts and the left paddle is for downshifts
- To put the transmission in neutral (N) pull simultaneously both paddles.
- To engage first gear, pull the paddle UP towards the steering wheel.
- To engage the reverse gear, with vehicle stopped and engine running, hold button R on the central console, until the letter R appears on the gear display. A buzzer is activated while the reverse is engaged.
- In order to disengage the reverse gear, pull the right paddle.

C. Engine starting

After reviewing the steps mentioned in point a), make sure to see figure on page 00-6 for Engine Start button. In addition, make sure that the display on the cluster is not flashing while pressing the brake pedal. In this condition, if any gear is engaged, the transmission goes automatically to N. If the display flashes, put the transmission in N. The engine does not start if the transmission is not completely in N.

Press the ENGINE START button (located on the steering wheel) and release it as soon as the engine starts. Do not hold the ENGINE START button down for a long period of time. If the engine does not start or stalls, deactivate the vehicle system, press the ENGINE START/STOP button on the steering wheel , wait until the transmission display is off and then reprocess the step mentioned in point a).
Do not step on accelerator pedal during engine starting and until the engine is running smoothly.

Warning

If the engine still does not start after a few attempts, see the Owner's Manual at "Engine Starting" section for troubleshooting the cause of the problem.

Shifting schedules

A specific gearshift pattern, approved by EPA, is used to carry out both urban and highway test cycles for this vehicle equipped with the DCT 8-speed transmission, when used in MANUAL mode. The shift points are listed below.

Shift speeds:		Urban Test (FTP)		Highway Fuel Economy Test
1st to 2nd	=	13.5	mph	Same as FPT
2nd to 3rd	=	18.5	mph	" " "
3rd to 4th	=	23.5	mph	" " "
4th to 5th	=	28.5	mph	" " "
5th to 6th	=	33.5	mph	" " "
6th to 7th	=	38.5	mph	" " "
7th to 8th	=	43.5	mph	" " "

ENGINE START Button

Controls and displays for all Ferrari models equipped with "Semiautomatic Transmission"
Shift paddles are behind the steering wheel (F1 gearbox)

Display of engaged gear

"Automatic" Gearbox Mode

Reverse Gear

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06.01.00.00 Test Vehicle Maintenance: The maintenance operations are not foreseen in the test vehicles during the accumulation of 4,000 miles.

06.01.01.00 Scheduled Maintenance

The scheduled maintenance should be performed at intervals of 12,500 - 25,000 - 37,500 - 50,000 - 62,500 - 75,000 - 85,500 – 100,000 – 112,500 - 125,000 - 137,500 miles as specified on section 06.02.01.00.

- **Valve clearance:** This engine is equipped with hydraulic valve lifters and therefore no adjustment is required during the useful life of the vehicle.
- **Auxiliary engine control belts:** Check tension and wear conditions.
- **Idle speed adjustment procedure:** The idle speed is controlled by the motorized throttle body via the ECM and holds the engine speed almost constant, regardless of engine load and no adjustment is required during the useful life of the vehicle.
- **Ignition timing setting procedure:** The basic ignition timing is fixed, and no setting is required during the useful life of the vehicles. To be sure that the advance timing is correct, check that ignition wires are properly connected.
- **Idle CO setting procedure:** No adjustment required.

06.01.02.00 Unscheduled Maintenance: Unscheduled Maintenance will be conducted, if necessary, according to the U.S.A. Federal and ARB regulations, as applicable.

06.01.02.01 Diagnostic Procedures: Please refer to the Service Manual

06.01.02.02 Procedures for Evaluating Drivability: In the Mileage Accumulation Dept files.

06.01.02.03 Blanket Approval List: Blanket approval is not foreseen.

06.01.02.04 Service (Shop) Manuals: A copy of the Service Manual will be submitted for information as soon as available or with the Application Part 2.

06.01.02.05 Owner's Manual: The Owner's manual will be submitted as soon as available.

The various items of the scheduled maintenance are subdivided in arguments and summarized in a table of the manual; reference is made against individual items showing page No. under which a general description of the maintenance operation will be found.

06.01.02.06 Technical Service Bulletins

Ferrari uses Technical Information Sheets to communicate to U.S. Ferrari Importer and Dealers the service and assistance information.

Ferrari will submit two copies of these sheets, when pertinent to Emission Control System, at the time they will be issued.

06.02.01.00 Maintenance Schedule

The following maintenance schedule is to be followed for Ferrari test group VFEXV02.9HEV. The free service is not foreseen in this test group.

Service required at indicated miles:

F80

Item	Miles (whichever comes first)											
	12.5k or 1 year	25k or 2 years	37.5k or 3 years	50k or 4 years	62.5k or 5 years	75k or 6 years	87.5k or 7 years	100k or 8 years	112.5k or 9 years	125k or 10 years	137.5k or 11 years	150k or 12 years
Emission-related hoses & tubes				(*)				(*)				
Ignition wires				(*)				(*)				
Idle mixture				(*)				(*)				
Air Injection system components								(*)				
Electronic engine control unit & its associated sensors (except oxygen sensors) & actuators								(*)				
Evaporative and refueling emission canister								(*)				
Power Steering Fluid					(**)							
Gearbox and Differential Oil					(**)							

R = Replace
(*) = Adjust, Clean, Repair or Replace
(**) = if the vehicle is used in heavy-duty conditions (if the vehicle is frequently used in intense traffic or on dusty or sandy roads) replace more frequently.

Item	Miles (whichever comes first)											
			37.5k or 8 years									
Spark plugs			R									

Recommended operations need not be performed in order to maintain Ferrari's emission warranty liability or its liability for any recall affecting the emission control system. All the operations marked with the asterisk (*) are not required but recommended if the car is frequently driven either in heavy traffic conditions or in dusty or sandy roads.

Miscellaneous: Engine oil level, tire pressure and engine coolant level should be checked at intervals of about 500 miles.

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

Applicable Exclusively to Vehicles Certified for

Sale in: California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, and Washington D.C.

and Registered in: California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington**,** and Washington D.C.

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Ferrari are pleased to explain the emission control system warranty on your 2027 MY Ferrari vehicle. In California and other U.S. states that follow California regulations, new motor vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. Ferrari must warrant the emission control system on your vehicle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel-injection system, the ignition system, catalytic converter, engine computer and air injection pump. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Ferrari will repair your vehicle at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE:

- For 3 years or 50,000 miles (whichever first occurs):

    1) If your car fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ferrari to ensure that your vehicle passes the inspection.
    This is your emission control system **PERFORMANCE WARRANTY.**

    2) If any emission-related part on your vehicle is defective, the part will be repaired or replaced by Ferrari.
    This is your short-term emission control system **DEFECTS WARRANTY.**

- For 7 years or 70,000 miles (whichever first occurs):

    1) If an emission-related part listed in this warranty booklet specially noted with coverage for 7 years or 70,000 miles is defective, the part will be repaired or replaced by Ferrari.
    This is your long-term emission control system **DEFECTS WARRANTY.**

OWNER'S WARRANTY RESPONSIBILITIES:

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Ferrari recommends that you retain all receipts covering maintenance on your vehicle, but Ferrari cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to a Ferrari dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should also be aware that Ferrari may deny your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact the Ferrari North America, Inc., Importer at 250 Sylvan Avenue, Englewood Cliffs, NJ 07632 - (201) 816-2600 or the California Air Resources Board at California Air Resources Board at 1001 "I" Street, P.O. Box 2815, Sacramento, CA 95812, Phone: (916) 322-2990.

For the 3 years or 50,000 miles DEFECT WARRANTY, a warranted part is any part which affects any regulated emission.

If your vehicle fails a smog check inspection after 3 years or 50,000 miles (whichever first occurs) but before 7 years or 70,000 miles (whichever first occurs) as the result of a failure and/or malfunction of a part which is warranted for 7 years or 70,000 miles, any authorized Ferrari dealer will diagnose and correct the part failure or malfunction at no cost to you unless the part failure or malfunction was caused by abuse, neglect, or improper maintenance. If the smog check failure is the result of one or more defects covered under warranty in combination with one or more conditions excluded from warranty coverage, any Ferrari dealership will diagnose and correct the warrantable defects.

If you bring your vehicle to an authorized Ferrari dealer for performance warranty service and Ferrari does not notify you within 30 days (unless you request a delay or a delay is caused by an event not attributable to Ferrari) that a warrantable condition does not exist, Ferrari will perform all emission warranty diagnosis and repair at no cost to you.

Under federal regulations, you may be eligible for additional warranty coverage during the first 8 years or 80,000 miles (whichever first occurs).

List of Parts Warranted for 7 years/70,000 miles (whichever first occurs) - Vehicles sold in: California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, and Washington D.C.; **and Registered in** California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, and Washington D.C. - **Ferrari F80 (Test Group VFEXV02.9HEV).**

Fuel system (Bosch Motronic GDI with oxygen sensors and feedback control)

Fuel pump groups with integrated the pressure regulators. Right
Fuel pump groups with integrated the pressure regulators. Left
Fuel injectors
Engine-temperature sensor
Motorized Throttle bodies,
Upstream oxygen sensors right
Upstream oxygen sensors left
Downstream oxygen sensors
Engine control modules (ECMs)
Transmission control module (TCM)
Pedal accelerator potentiometer
Knock control module
Waste gate actuator (integrated in turbocompressors)
Dump Valve
High Pressure fuel sensor
smart drive fuel pump
Boost pressure and temperature sensor
High pressure fuel pump right
High pressure fuel pump left
VVt valve
GPF pressure sensor
Tank fuel pressure sensor
Air box filter pressure sensor

Ignition system (Bosch Motronic integrated with GDI system)

ECMs
Ignition coils
Turbo Engine speed sensors
Phase sensors
Spark plugs
Engine speed sensors

Exhaust Emission Control System

Main three way catalysts Right
Main three way catalysts Left
Coated Gasoline Particulate Filter right
Coated Gasoline Particulate Filter left

Evap./Refuling emission control system (ORVR)

Charcoal canister with pump Diagnosis
Liquid-vapor separator
Purge valves
Diagnosis pump
Second purge line pressure sensor
FTIV valve

Hybrid System

Low Voltage Battery
High Voltage Battery
Body Computer
On Board Charger
Electric machine rear P2
Inverter Electric machine rear P2
Air Conditioning ECU
Brake ECU
Water cooling Pump Inverter P2, OBC, DCDC
Water pump HVB
A/C Compressor
DC/DC
Oil cooling pump EM P2

Warranty periods shall begin on the date the vehicle is delivered to an ultimate purchaser, or if the vehicle is first placed in service as a "demonstrator" or "company" car prior to delivery, on the date it is first placed in service.

What is not covered by the California Emission Control System Warranty:

- Malfunctions in any part caused by any of the following: misuse, improper adjustments not performed by a Ferrari dealership, modification, alteration, tampering, disconnection, improper or inadequate maintenance, or use of leaded gasoline (for catalytic converter vehicles).
- Damage resulting from accident, acts of nature or other events beyond the control of Ferrari.
- The first scheduled replacement of warranted parts which are scheduled for replacement prior to 70,000 miles as part of required maintenance.
- The repair or replacement of warranted parts which are scheduled for replacement prior to 70,000 miles (such as spark plugs, filters, hoses, and belts) once these parts have been replaced at the first scheduled replacement interval as part of required maintenance services.
- Loss of time, inconvenience, loss of use of the vehicle, or commercial loss.
- Any vehicle on which odometer mileage has been changed so that mileage cannot be readily determined.

The emission control systems of your new 2027 MY Ferrari passenger car were designed built and tested using genuine Ferrari parts and the car is certified as being in conformity with California emission control requirements. Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be new, genuine Ferrari parts. The owner may elect to have maintenance, replacement or repair performed by any automotive repair establishment or individual, and may elect to use parts other than new, genuine Ferrari parts for such maintenance, replacement or repair without invalidating this warranty. However, the costs of such service or parts are not covered under the warranty except in case of an emergency. The warranty will not apply if such service or parts cause damage to warranted parts or cause the vehicle not to conform to applicable requirements.

Use of replacement parts which are not of equivalent quality to new, genuine Ferrari parts may impair the effectiveness of emission control systems. If other than new, genuine Ferrari parts are used for maintenance, replacement or repair of components affecting emission control, the owner should obtain assurances that such parts are warranted by their manufacturers to be equivalent to new, genuine Ferrari parts in performance and durability.

Ferrari assumes no liability with respect to parts other than new, genuine Ferrari parts. However, the use of non-Ferrari replacement parts will not invalidate the warranty on other components, unless non-Ferrari parts cause damage to warranted parts or cause the vehicle not to conform to applicable requirements.

Repairs and service covered by the California emission control system warranty should be performed by any authorized Ferrari dealer at his place of business using new, genuine Ferrari parts for any part of the emission control system covered by this warranty. Such covered repair and service performed by a Ferrari dealer will be performed without charge. In the case of an emergency, where an authorized Ferrari dealer is not available, repairs may be performed at any available service establishment or by the owner using any replacement part. The owner will be reimbursed for such repairs (including diagnosis) that are covered under this warranty not to exceed the manufacturer’s suggested retail price for all warranted parts replaced and not to exceed labor charges base on the recommended time allowance and the geographically appropriate hourly labor rate. Replaced parts and paid invoices, must be presented at a Ferrari dealership as a condition of reimbursement for emergency repairs not performed by a Ferrari dealer. Unavailability exceeding 30 days of any part required for warranty service or incomplete repairs within 30 days also constitutes an emergency.

You are advised to perform all recommended maintenance or repairs on your new 2027 Ferrari vehicle. You are responsible for the performance of all required maintenance. A warranty claim will not be denied solely because you have no record of maintenance; however, a warranty claim may be denied if your failure to perform required maintenance results in the failure of a warranted part or causes the vehicle to fail a smog check test. Receipts and maintenance records covering the performance of regular maintenance should be retained in the event questions arise concerning maintenance. The receipts and maintenance records should be transferred to each subsequent owner of the vehicle.

50-State VECI Label: Ferrari F80

Ferrari S.p.A.	VEHICLE EMISSION CONTROL INFORMATION	
APPLICABLE MODELS : FERRARI F80		
TEST GROUP NAME : VFEXV02. 9HEV		
ENGINE DISPLACEMENT : 2.9 L (CID : 177)		
EVAPORATIVE/REFUELING FAMILY : VFEXR017506Y		
EXHAUST EMISSION CONTROL SYSTEM : DFI / 2TC / 2CAC / 2TWC(2) / 2HO2S(2) / 2GPF		
OBD II : CALIFORNIA CERTIFIED		
THIS VEHICLE CONFORMS TO U.S. EPA INTERIM-TIER 4 - BIN 50 AND STATE OF CALIFORNIA LEV IV - ULEV 50 REGULATIONS APPLICABLE TO GASOLINE-FUELED 2027 MODEL YEAR NEW MOTOR VEHICLES (PASSENGER CARS)		
NO ADJUSTMENT NEEDED	MY 2027	055087888

The performance label (VECI) complies with CCR Title 13, paragraph 86.1807 labeling requirements.

- **Durability:** The labels are designed to withstand for the vehicle's total expected life, typical vehicle environmental conditions in the area where the labels are attached.
- **Location**: Inside engine compartment.
- **Lettering**: Black color on white background, readable from a distance of 46 cm without obstruction from vehicle or engine parts.

08.13.03.00 Model Identification

- Test Group: VFEXV02.9HEV
- Engine Code: 2.9/V6/120
- Transmission: A8/S8
- Model with A8/S8: F80
- Model with M8: N/A
- Equivalent Test Weight F80: 4250 lbs
- Evap./Refueling Family: VFEXR017506Y
- Evaporative Code: LEV IV
- Air Conditioning: Yes

08.13.04.00 Family Identification

- Test Group: VFEXV02.9HEV
- Certification: 50 States
- Applicable Models: F80

STATEMENT TO COMPLY WITH §206(a)(3) OF THE CLEAN AIR ACT

Ferrari states that any element of design, system or emission control device installed on or incorporated in Ferrari's new motor vehicles or new motor vehicle engines, for the purpose of complying with the standards prescribed under section 202 of the Clean Air Act, will not, to the best of Ferrari's information and belief, cause the emission into the ambient air of pollutants which cause or contribute to unreasonable risk to public health or welfare except as specifically permitted by the standards prescribed under section 202 of the Clean Air Act. Ferrari further states that any element of design, system or emission control device installed on or incorporated in Ferrari's new motor vehicles or new motor vehicle engines, for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Ferrari's information and belief, cause or contribute to an unreasonable risk to public safety.

The term pollutant means:

A. Diesel particulates
B. Nickel
C. MMT combustion products
D. Ammonia
E. Sulfates
F. Hydrogen sulfide
G. Hydrogen cyanide
H. Ruthenium combustion products
I. Nitrosamines

or any other pollutant which Ferrari has identified which can reasonably be expected to be emitted from these vehicles.

General Standards

The devices for the control of exhaust, crankcase and evaporative emissions, will not in their operation, function or malfunction result in any unsafe condition endangering the motor vehicle, its occupants, or persons or property in close proximity to the vehicle.

Prior to taking any of the actions specified in section 203(a) (1) of the Act, Ferrari has carried out tests on motor vehicles in accordance with good engineering practice to ascertain that such test vehicles will meet the requirements of this section for the useful life of the vehicle.

The description of tests performed to ascertain compliance with the general standards in §86.1810-01 and the data derived from such tests are available to the Administrator upon request.

Test Procedures

The test vehicle with respect to which data are submitted to demonstrate compliance with LEV IV Emission Standards for Light-Duty Vehicles, are in all material respects as described in the application for certification, has been tested in accordance with the applicable test procedures utilizing the fuels and equipment described in the application for certification and, on the basis of such tests, conform to the requirements of the regulations in CFR 40 Part 86.

For each evaporative emission family - evaporative emission control system combination tests were designed and conducted in accordance with good engineering practice to assure that the vehicles covered by certificate of conformity will meet the LEV II evaporative emission standards for light-duty vehicles for the useful life of the vehicle.

California Additional Requirements

The Ferrari vehicle used in the certification process of the test group VFEXV02.9HEV is new models and is identical to the production vehicles to be sold in the State of California.

Drivability

FERRARI guarantees that the vehicles belonging to 2024 Model Year Test Group VFEXV02.9HEV show satisfactory drivability in all the conditions that may be encountered during the standard use of the vehicles.

Alcohol Fuels

FERRARI uses in its fuel injection system the best components and materials available in the field. However, we have not carried out specific tests to assure the reliability of the system when using alcohol fuels. Consequently, we suggest that our customers do not use fuel with a higher alcohol content than specified in the owner's manual.

High Altitude

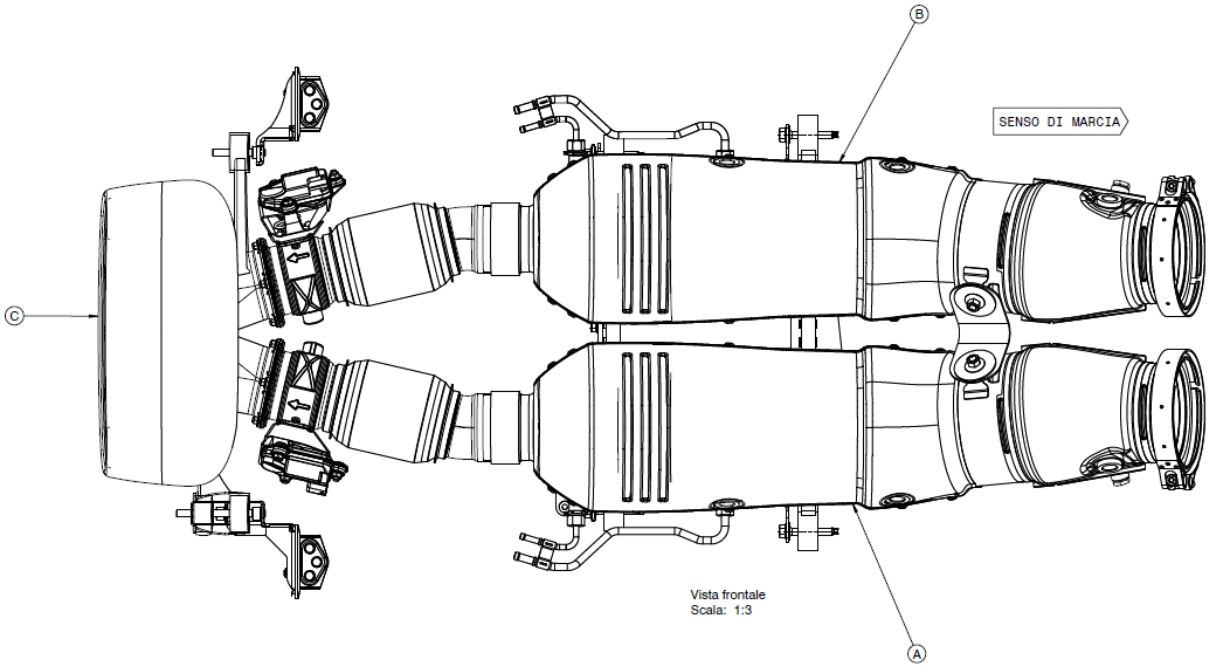
In this test group (VFEXV02.9HEV) the fuel injection system distributes the fuel basing on air-mass flow through the air-flow meter so that the system is self-compensating. Therefore, the engine family complies with the high altitude requirements.

FERRARI EXHAUST SYSTEM

F80:

In this Exhaust System, there are two three-way catalytic converters (Pre-catalyst + Main-catalyst) for each bank fitted with an upstream oxygen sensor just before the catalytic converter. In the outlet of the catalytic converters there are two downstream oxygen sensors. The catalytic converters are a three-way type with a ceramic monolith substrate; their function is to complete the post-combustion process of HC, CO and NOx in oxygen sensor feed-back control. After the catalyst converter, there is a Gasoline Particulate Filter (GPF) for each bank. The GPF has a substrate matrix in ceramic.
After each GPF there is a throttle valve (bypass valve) which acts as a silencer muffler. The two bench exhaust lines join at the end to a single outlet tail pipe.

Part	Ferrari Code	Description
A	Pre Catalyst Main catalyst - GPF RH	FERRARI CAT-GPF 250 R
B	Pre Catalyst Main catalyst - GPF LH	FERRARI CAT-GPF 250 L
C	Muffler	FERRARI MUF 250



The information concerning the description of the
OBD On-Board Malfunction and Diagnostic System is in
Section 16. Confidential Information.

The 2027 model year Ferrari F80 (test group VFEXV02.9HEV) are equipped with an V6-cylinder engine with a gasoline direct injection (DFI) integrated with the ignition system. The emission control system (ECS) is made with two catalytic converters (TWC) per bench.

The OBD II system is similar to those of other Ferrari models (except the specific monitoring functions developed for the DFI) and complies with EPA and CARB regulations.

In light of the above, Ferrari can state that all emission control technologies used in the present test group (VFEXV02.9HEV) are proved and already adopted in previously certified models and/or by many other motor vehicle manufacturer.