Application for Certification – Part 1

2027 Model Year

Test Group: VFEXV06.5G50

EVAP/Refueling Family:
VFEXR017512S
VFEXR017512G

Durability Group: VFEXGPGNNGDI

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

Test Group Description: 6.5 Liter V12 LDV

Applicable Exhaust Standards:

Federal Interim-Tier 4 Bin 50
California LEV IV ULEV 50

Applicable Evaporative Emissions Standards:

Federal Tier 3 & California LEV IV Evap

Carlines Covered:

F175 AHA → Purosangue
F167 ABA → 12Cilindri
F167 ADA → 12Cilindri Spider

EPA Response Requested By:
April 30, 2026

For Questions, please contact:

Mr. Piero Puliti at +1 (201) 525-8608
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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:

Name:	Elisa Cavicchioli
Title:	Head of Vehicle Certification & Regulatory Affairs Department Ferrari S.p.A.
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Description of the Test Group determination according to Federal Register §86.1827-01:

- Test group name: VFEXV06.5G50
- Engine displacements covered: 6,496 cm^3 (6.5L)
- Arrangement & # of cylinders: V12 at 65°
- Vehicle class covered: LDV (Compact Car)
- Emission standards class: Interim-Tier 4 Bin 50 / LEV IV ULEV 50 (50 States)
- Applicable emission standards: See summary sheet for emission standards enclosed in Section 07. See Test Results.

The MY 2027 **Purosangue** is the worst-case Emission Data Vehicle for this test group (on which certification tests with Tier 3 E10 fuel was performed) because 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 VERIFY: VID No. 265109/0, 265109/1.

Basic vehicle description:

- Engine displacement: 6,496 cm^3
- Emission control system: DFI/AIR/2TWC/2H02S(2)/2CGPF
- Engine code: F140IA (6.5/V12/65)
- Transmission: Semiautomatic 8-speed (A8/S8), dual clutch transmission
- ETW: 5250 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:

Exhaust Emissions:

- (E10) FTP Test: PFEX10076161
- (E10) HWY Test: PFEX10076162
- (E10) US06 Test: PFEX10076163
- (E10) SC03 Test: PFEX10076164
- (E10) Cold CO Test: PFEX10076166
- (E10) 50° Test: PFEX10076165
- (E10) 2-day Pre-FTP: PFEX10076201
- (E10) 3-day pre-FTP: PFEX10076205
- (E10) ORVR Pre-FTP: PFEX10076204
- (E0) FTP Test config: PFEX10076122
- (E0) HWY Test config: PFEX10076123

Evap. Family: VFEXR017512S

Evaporative/Refueling:

- (E10) Federal 2-day: PFEX10076203
- (E10) Federal 3-day: PFEX10076206
- (E10) Running Losses: PFEX10076207
- (E10) ORVR: PFEX10076208
- (E10) Canister Bleed: PFEX10076200
- (E10) Leak Test: PFEX10076160

Evap. Family: VFEXR017512G

Evaporative/Refueling:

- (E10) Federal 2-day: SFEX10087073
- (E10) Federal 3-day: SFEX10087633
- (E10) Running Losses: SFEX10087627
- (E10) ORVR: SFEX10087061
- (E10) Canister Bleed: SFEX10084228
- (E10) Leak Test: SFEX10087059

STATEMENTS

1. **STATEMENT ON THE OBD COMPLIANCE WITH CALIFORNIA OBD II REQUIREMENTS ACCORDING TO THE 40 CFR §86.1806-05(j) FOR 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. **CH4**
    Ferrari attests that all models in this test group meet the CH4 standards set out in the National GHG Rule applicable to this model year.
12. **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.
13. **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.

List of Certified Vehicles

- Durability Group: VFEXGPGNNGDI
- Test Group: VFEXV06.5G50
- Evaporative Family: VFEXR017512S
- Fuel: Gas
- Carline: 175

Engine Control System Description:

- Catalytic Converter: 2-TWC
- EGR: N
- AIR AIR
- Fuel System: DFI
- Aspiration: Natural
- Oxygen Sensor: 2 front/2 rear oxygen sensors
- Valves per Cylinder: 4
- Sales Area: 50 States
- SIL: Yes
- Transmission / OD: A8/S8/2
- Engine Diplacement: 6.5 L
- Axle Ratio: 3.071
- ETW: 5250 lbs
- Fuel Tank Volume: 26.4 gal (100 L)
- N/V Ratio: 24.2
- TRLHP: 19.5 hp
- Carline (basic engine): 175
- Engine Code: F140 IA
- Internal Model Code: F175 AHA
- Tire Size: **F**: 255/35 ZRF 22 XL– **R**: 315/30 ZRF 23 XL
- Inertia Weight Class: 5000 lbs

List of Certified Vehicles

- Durability Group: VFEXGPGNNGDI
- Test Group: VFEXV06.5G50
- Evaporative Family: VFEXR017512G
- Fuel: Gas
- Carline: 167

Engine Control System Description:

- Catalytic Converter: 2-TWC
- EGR: N
- AIR AIR
- Fuel System: DFI
- Aspiration: Natural
- Oxygen Sensor: 2 front/2 rear oxygen sensors
- Valves per Cylinder: 4
- Sales Area: 50 States
- SIL: Yes
- Transmission / OD: A8/S8/2
- Engine Diplacement: 6.5 L
- Axle Ratio: 3.071
- ETW: 4250 lbs
- Fuel Tank Volume: 24.3 gal (92 L)
- N/V Ratio: 33.8
- TRLHP: 16.4 hp
- Carline (basic engine): 167
- Engine Code: F140 HD
- Internal Model Code: F167 ABA
- Tire Size: **F**:245/35 ZRF20– **R**: 385/35 ZRF 20
- Inertia Weight Class: 4250 lbs

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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 5,000 - 15,000 - 30,000 - 45,000 - 60,000 - 75,000 - 90,000 – 105,000 – 120,000 - 135,000 - 150,000 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 Driveability

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 PFEXV06.5GDI. The free service is not foreseen in this test group.

Service required at indicated miles:
Purosangue/12Cilindri/12Cilindir Spider

Items	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
Spark plugs					R							
Emission-related hoses and tubes				(*)				(*)				
Ignition wires				(*)				(*)				
Idle mixture				(*)				(*)				
Air Injection system components								(*)				
Fuel injectors								(*)				
Electronic engine control unit and its associated sensors (except oxygen sensors) & actuators								(*)				
Evaporative and refueling emission canister								(*)				

R = Replace
(*) = Adjust, Clean, Repair or Replace

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, Virgina, 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, Virgina, 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 vehice 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 vehice, 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 vehice 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 vehice owner, you should also be aware that Ferrari may deny your warranty coverage if your vehice 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, Virgina, 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, Virgina, Washington, and Washington D.C. – Purosangue, 12Cilindri, and 12Cilindri Spider (Test Group VFEXV06.5G50).

Purosangue

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

Fuel pump groups with integrated the pressure regulators

Fuel injectors
Engine-temperature sensor

Motorized Throttle bodies

Air-flow meter
Upstream oxygen sensors
Downstream oxygen sensors
Engine control modules (ECMs)

Transmission control module (TCM)

Pedal accelerator
Knock control module
High Pressure sensor
smart drive fuel pump

High pressure fuel pump right

High pressure fuel pump left

VVT valve

Ignition system (Bosch Motronic integrated with GDI system)

ECMs
Ignition coils
Engine speed sensors
Phase sensors
Spark plugs

Air injection system (pump)
Air pump

Mechanical Secondary Air Valve
Air pressure sensor
NTC sensor
ECMs

Exhaust Emissions Control System

Main three way catalysts with cGPF
Main three way catalysts with cGPF

Evap./Refuling emission control system (ORVR)

Charcoal canister

Liquid-vapor separator
Purge valves
Fuel tanks

12Cilindri/12Cilindri Spider

- Fuel pump
- Injection and ignition engine control modules (ECMs)
- Transmission control module (TCM)
- Fuel injection valves
- Intake manifolds
- Motorized throttle valve housings
- Fuel tank
- Exhaust manifolds
- Three-way Catalytic Converters
- OBD System
- Four-way Catalytic Converters

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:

The warranty does not cover:

- 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 manufacturers 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 Purosangue

Ferrari S.p.A.	VEHICLE EMISSION CONTROL INFORMATION	
APPLICABLE MODELS : FERRARI PUROSANGUE TEST GROUP NAME : VFEXV06. 5G50 ENGINE DISPLACEMENT : 6.5 L (CID : 396) EVAPORATIVE/REFUELING FAMILY : VFEXR017512S EXHAUST EMISSION CONTROL SYSTEM : DFI/AIR/2TWC/2HO2S(2)/2CGPF 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	055081570

50-State VECI Label: Ferrari 12Cilindri

Ferrari S.p.A.	VEHICLE EMISSION CONTROL INFORMATION	
APPLICABLE MODELS : FERRARI 12CILINDRI TEST GROUP NAME : VFEXV06. 5G50 ENGINE DISPLACEMENT : 6.5 L (CID : 396) EVAPORATIVE/REFUELING FAMILY : VFEXR017512G EXHAUST EMISSION CONTROL SYSTEM : DFI/2TWC/2HO2S(2)/2CGPF 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	055085331

50-State VECI Label: Ferrari 12Cilindri Spider

Ferrari S.p.A.	VEHICLE EMISSION CONTROL INFORMATION	
APPLICABLE MODELS : FERRARI 12CILINDRI SPIDER TEST GROUP NAME : VFEXV06. 5G50 ENGINE DISPLACEMENT : 6.5 L (CID : 396) EVAPORATIVE/REFUELING FAMILY : VFEXR017512G EXHAUST EMISSION CONTROL SYSTEM : DFI/2TWC/2HO2S(2)/2CGPF 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	055085479

- **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**: In engine compartment, on engine hood.
- **Lettering**: Black colour on white background, readable from a distance of 46 cm without obstruction from vehicle or engine parts.

08.13.03.00 Model Identification Chart

- Test Group: VFEXV06.5G50
- Engine Code: 6.5/V12/65
- Transmission: A8/S8
- Model with A8/S8: Purosangue
- Model with M7: N/A
- Equivalent Test Weight: F175: 5250 lbs
- Evap/Refueling Family: VFEXR017512S
- Evaporative Code: LEV IV
- Air Conditioning: Yes

08.13.04.00 Family Identification Chart

- Test Group VFEXV06.5G50
- Certification 50 States
- Applicable Models Purosangue

08.13.03.00 Model Identification Chart

- Test Group: VFEXV06.5G50
- Engine Code: 6.5/V12/65
- Transmission: A8/S8
- Model with A8/S8: F167 ABA/ADA
- Model with M7: N/A
- Equivalent Test Weight: F167 ABA: 4250 lbs
  F167 ADA: 4500 lbs
- Evap/Refueling Family: VFEXR017512G
- Evaporative Code: LEV IV
- Air Conditioning: Yes

08.13.04.00 Family Identification Chart

- Test Group VFEXV06.5G50
- Certification 50 States
- Applicable Models F167 ABA/ADA

SUBMISSION OF EVIDENCE OF COMPLIANCE WITH TITLE 13 C.A.C, §2290

a)	Statement of Compliance:	p. 17.00-2
b)	Fill pipe configuration:	p. 17.00-3
c)	Fill pipe and opening specifications:	p. 17.00-4
d)	Complying model of Test Group VFEXV06.5G50:	Purosangue, 12Cilindri, and 12Cilindri Spider

FERRARI certifies the following:

1) The fill pipe access zones for the model covered by this application are in compliance with the requirements specified by the Air Resources Board's "Specifications for Fill Pipes and Openings of 2015 and Subsequent Model Motor Vehicle Fuel Tanks" adopted March 22, 2012, as amended, and are not obstructed in any manner by bumpers, body parts, body trims or accessories that are either factory or dealer installed.

2) The fill pipes installed on 2017 production model are in compliance with all of the requirements of the Air Resources Board's "Specifications for Fill Pipes and Openings of 2015 and Subsequent Model Motor Vehicle Fuel Tanks" adopted March 22, 2012, as amended.

In conformance with 40 CFR § 80.24, the vehicle covered by this application are provided with a gasoline tank filler inlet having a restrictor designed as to prevent the insertion of leaded fuel pump nozzle of diameter equal or greater than 0.930 in. (23.6 mm), and it allows the insertion of a nozzle with a spout as described in 40 CFR § 80.22 (f)(2).

The restrictor hole is being held closed by a spring diaphragm which can be opened only following the introduction of an unleaded fuel pump nozzle.

The fuel filler inlet for catalytic converter-equipped vehicles has been designed to comply with the "Specifications for Fill Pipes and Openings of 2015 and Subsequent Model Motor Vehicle Fuel Tanks" adopted March 22, 2012, as amended.

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 wich 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 IV evaporative emission standards for ligh-duty vehicles for the useful life of the vehicle.

California Additional Requirements

The Ferrari vehicle used in the certification process of the test group VFEXV06.5G50 is new models and is identical to the production vehicles to be sold in the State of California.

Driveability

FERRARI guarantees that the vehicles belonging to 2027 model year test group VFEXV06.5G50 show satisfactory driveability 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

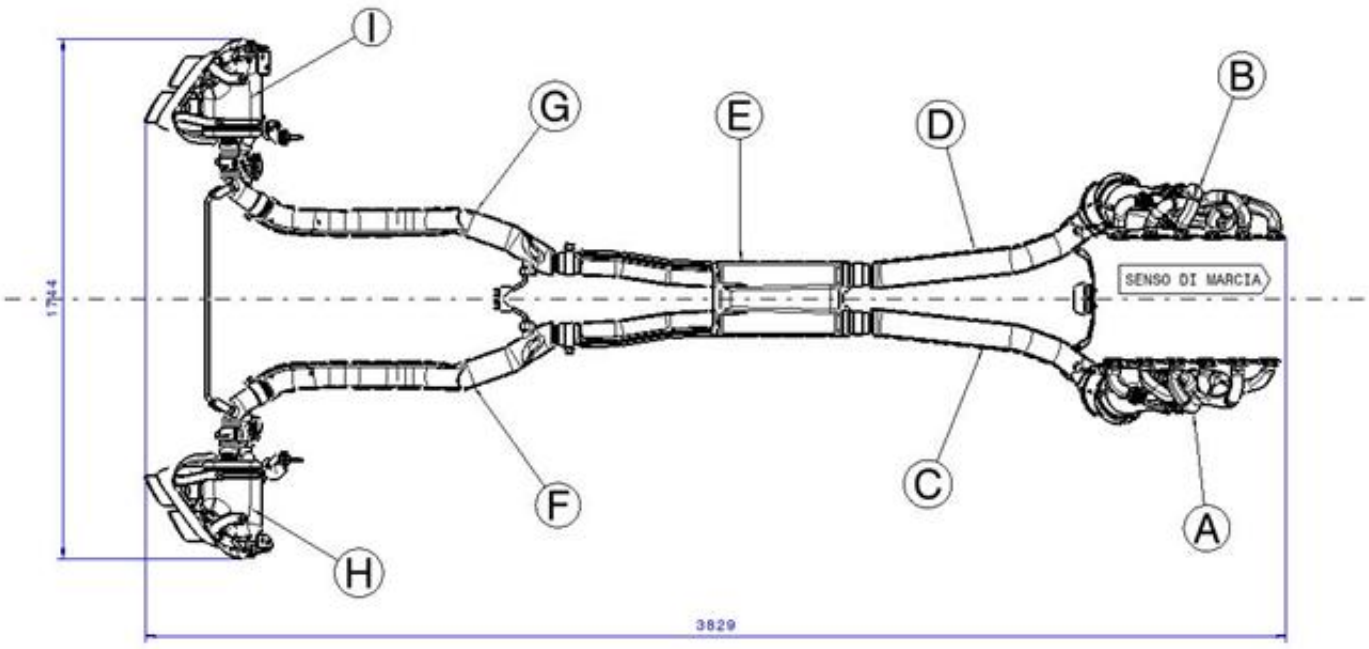
In this test group (VFEXV06.5G50) the fuel injection system distributes the fuel basing on air-mass flow through the air-flow meter so that the system is self compensating. Therefore, the engine family complies with the high altitude requirements.

FERRARI EXHAUST SYSTEM

Purosangue

In this Exhaust System, there is a three-way catalytic converter fitted with an upstream and a downstream oxygen sensors. The catalytic converters are three-way type having a metallic monolith substrate; downstream the catalyst converter there is a Coated Gasoline Particulate Filter (cGPF) for each bank. Their functions are: complete the post-combustion process of HC, CO and NOx and also reduce PN emissions in oxygen sensor feed-back control. At the end of each exhaust line, there is a muffler.

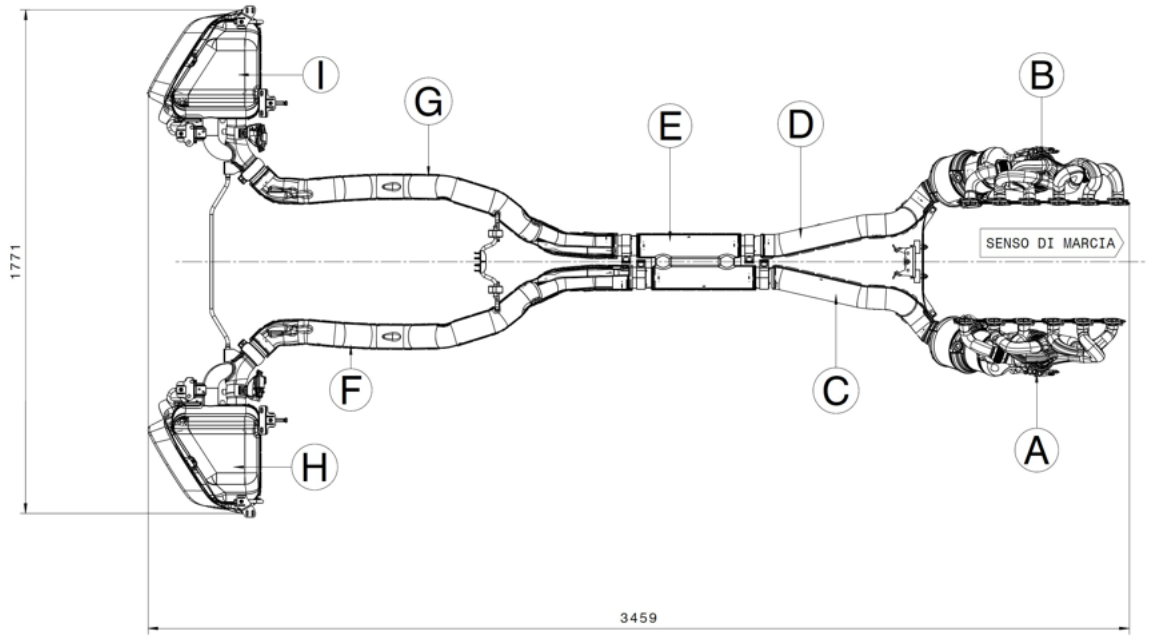
Part	Ferrari Code	Description
A	FERRARI EM 175 R	Exhaust Manifold – Right
B	FERRARI EM 175 L	Exhaust Manifold – Left
C	FERRARI CAT - GPF 175 R	Catalytic Converter/cGPF – Right
D	FERRARI CAT - GPF 175 L	Catalytic Converter/cGPF – Left
E	FERRARI MUF 175 C	Muffler – Central
F	FERRARI EP 175 R	Exhaust Pipe – Right
G	FERRARI EP 175 L	Exhaust Pipe – Left
H	FERRARI MUF 175 R	Muffler – Right
I	FERRARI MUF 175 L	Muffler – Left



12Cilindri/ 12Cilindri Spider

In this Exhaust System, there is a three-way catalytic converter fitted with an upstream and a downstream oxygen sensors. The catalytic converters are three-way type having a ceramic substrate; downstream the catalyst converter there is a Coated Gasoline Particulate Filter (cGPF) for each bank. Their functions are: complete the post-combustion process of HC, CO and NOx and also reduce PN emissions in oxygen sensor feed-back control. At the end of each exhaust line, there is a muffler.

Part	Ferrari Code	Description
A	FERRARI EM 167 R01	Exhaust Manifold – Right
B	FERRARI EM 152M L01	Exhaust Manifold – Left
C	FERRARI CAT - GPF 167 R	Catalytic Converter/cGPF – Right
D	FERRARI CAT - GPF 167 L	Catalytic Converter/cGPF – Left
E	FERRARI MUF 167 C	Muffler – Central
F	FERRARI EP 167 R	Exhaust Pipe – Right
G	FERRARI EP 167 L	Exhaust Pipe – Left
H	FERRARI MUF 167 R	Muffler – Right
I	FERRARI MUF 167 L	Muffler – Left



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 Purosangue, 12Cilindri, and 12Cilindri Spider (Test group VFEXV06.5G50) are equipped with an 12-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), two catalyzed gasoline particulate filters (CGPF) plus secondary air injection.

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 (VFEXV06.5G50) are proved and already adopted in previously certified models and/or by many other motor vehiclemanufacturer.