

**EXEMPTION APPLICATION FOR AFTERMARKET TURBOCHARGERS/SUPERCHARGERS
FORM C**

ECCD/APCAB-003 (REV. 09/2019) PAGE 1 OF 5

MANUFACTURER OF TURBOCHARGER/SUPERCHARGER SYSTEM

Name:		
Mailing Address:		
City:	State:	Zip Code:
Telephone Number:	Email Address:	
Name of Authorized Representative:		
Title:		

VEHICLE APPLICATION

If the Turbocharger/Supercharger is applicable for two or more engines or chassis models, you may use separate sheets to provide the following information.

Make:	Model Year:
Engine Family:	Number of Cylinders:
Fuel Induction System (number of barrels, maximum air flow, type of fuel injection system, etc.):	

For heavy-duty vehicles and secondary vehicles such as motor homes, complete the following:

Primary Vehicle or Engine Manufacturer:	Original Chassis or Engine Model:
Secondary Vehicle Manufacturer:	Secondary Vehicle Model:
Gross Vehicles Weight in Pounds:	Frontal Area:

California Air Resources Board (CARB) staff can assist the applicant in determining appropriate test procedures and evaluation criteria.

**EXEMPTION APPLICATION FOR AFTERMARKET TURBOCHARGERS/SUPERCHARGERS
FORM C**

ECCD/APCAB-003 (REV. 09/2019) PAGE 2 OF 5

TEST PROCEDURE (check one)

The test procedure to be used is:

- Cold Start CVS-75 Federal Test Procedure
 Cold 505
 Hot Start CVS-75 (applicable to some diesel-powered vehicles)

EVALUATION CRITERIA (check one)

This application is for certification to:

- Emission Standards
 Typical Baseline Emission Levels

TURBOCHARGER/SUPERCHARGER SYSTEM

Supply the turbocharger/supercharger engineering drawings and turbocharger/supercharger kit, and complete installation instructions.

Name of Original Manufacturer:	Turbocharger/Supercharger Model Number:
Manufacturer Device Name:	Type of Turbine (e.g., axial flow, radial flow):
Area of Throat:	Distance from Centroid Area of Center of Vortex:
Area Ratio (A/R) for Turbine Size:	Supercharger and Crankshaft Pulley Size:
Maximum Boost Pressure:	

MODIFICATION TO OEM SYSTEM

In the turbocharging/supercharging process, you may have to modify certain OEM systems. Check the items that you will modify and explain the modification in detail.

Fuel induction system (including carburetor, fuel injection system, fuel pump, fuel filter and all pertinent calibrations and adjustments).

Explain:

Air intake system (air cleaners, air flow control sensors, heated air intake system, etc.).

Explain:

**EXEMPTION APPLICATION FOR AFTERMARKET TURBOCHARGERS/SUPERCHARGERS
FORM C**

ECDD/APCAB-003 (REV. 09/2019) PAGE 3 OF 5

Intake manifold (including adapters or devices you plan to use to change fuel-air mixture vaporization).

Explain:

Ignition system (distributor, vacuum and centrifugal timing mechanism, points, plugs and all specifications).

Explain:

Exhaust system (exhaust manifolds, head pipes, mufflers, etc.).

Explain:

Valve train components including valve clearance adjustments.

Explain:

Others.

Explain:

MODIFICATION TO OEM EMISSION CONTROL SYSTEMS

Please check the applicable items and explain the modifications in detail.

EGR system (valve body, vacuum amplifier, vacuum signals, temperature control sensors, backpressure transducer, etc.).

Explain:

Catalytic converter, thermal reactor and fuel-air mixture feedback control.

Explain:

Air injection system (air pump, air injection port, by-pass valve, etc.).

Explain:

Spark control system.

Explain:

Positive crankcase ventilation system.

Explain:

**EXEMPTION APPLICATION FOR AFTERMARKET TURBOCHARGERS/SUPERCHARGERS
FORM C**

ECDD/APCAB-003 (REV. 09/2019) PAGE 4 OF 5

Others

Explain:

CARB EVALUATION REQUIREMENTS

The following information is required for CARB to complete an evaluation. Please place a check mark next to the items enclosed with this application. Provide an explanation below for items not enclosed.

(Optional) Copies of all advertising material to be used in selling the device including a sample or facsimile of the packaging label.

Detailed installation and/or maintenance instructions. This should include assembly drawings, parts list and fuel octane/cetane requirements

A facsimile or prototype of the identification plate or label to be attached permanently to or imprinted on or near each device offered for sale. The plate or label should be placed such that it is visible after the device is installed, and should contain:

- a. Manufacturer's name
- b. Device name and model number
- c. CARB exemption number identified as: CARB E.O. No. D-XXX.

A facsimile or prototype engine compartment plate or label located adjacent to, but not covering, the vehicle manufacturer's Vehicle Emission Control Information (tune-up) label. This plate or label is only required if a change is recommended to vehicle manufacturer's tune-up parameters. In addition to the recommended tune-up parameter changes, the plate or label must contain the same information as the device label.

Provide an explanation for any items above not checked and not enclosed in this application:

CARB may require one or more devices for testing. Device(s) will be returned only if a return is requested at the time the device(s) is submitted. Do you agree to provide the device(s) free of costs?

Yes

No

**EXEMPTION APPLICATION FOR AFTERMARKET TURBOCHARGERS/SUPERCHARGERS
FORM C**

ECCD/APCAB-003 (REV. 09/2019) PAGE 5 OF 5

SIGNATURE

I affirm that to the best of my knowledge this turbocharger/supercharger shall not cause the emission into the ambient air of any noxious or toxic matter that is not emitted in the operation of such motor vehicle without such turbocharger/supercharger system.

I understand that an exemption, if granted, does not constitute a certification, accreditation, approval, or any other type of endorsement by the California Air Resources Board of any claims concerning alleged benefits of a device. I further understand that no claims of any kind concerning anti-pollution benefits may be made for an exempted device.

Signature:	Date of Signature:
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INSTRUCTIONS FOR SUBMITTING THIS FORM

Manufacturers of add-on and modified parts planning to sell their product for use in California vehicles should apply for an exemption from Vehicle Code Section (VC) 27156. A VC 27156 exemption is granted if the product has been determined not to cause any increase in vehicular emissions. The first step to obtain a VC 27156 exemption is to submit an application to CARB. There are three types of forms available; a manufacturer must fill out the form appropriate for its product.

This form this must be filed for systems which include a turbocharger or a supercharger.

Forward the completed application along with the necessary attachments to:

California Air Resources Board
Chief / Aftermarket Parts Certification and Audit Branch
Emissions Certification and Compliance Division
9480 Telstar Avenue, Suite 4
El Monte, California 91731

For questions regarding this form, please contact CARBS Public Information Helpline at helpline@arb.ca.gov or at (800) 242-4450.

Once the application has been filed, CARB will contact you to inform you of missing information or to specify test vehicles. You are responsible for obtaining the vehicles and having them tested at a qualified independent laboratory. If you have any questions concerning the suitability of a vehicle for testing or the test themselves, please contact the staff engineer assigned to your application. If confirmatory testing is required at CARB's laboratory after you completed the testing, you must provide the test vehicle, but there is no charge for testing.

Manufacturers must present sufficient information to establish that an emissions increase will not result from the use of an add-on or modified part. If your device or modification is exempted, CARB will issue an Executive Order stating that the part will not adversely affect emissions and that it is legal for sale and use in California.