

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-757-1

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Singer Vehicle Design  
Porsche 911 Engine Upgrade 4.0L Kit

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Porsche 911 Engine Upgrade 4.0L Kit, manufactured and marketed by Singer Vehicle Design, 11585 Sheldon Street, Unit B, Sun Valley, California 91352, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for all 1990 to 1994 model year Porsche 911 vehicles.

The Singer Vehicle Design's Porsche 911 Engine Upgrade 4.0L Kit includes the following main parts for the naturally aspirated engine: Cylinder heads, pistons, cylinders, crankshaft, Kinsler 50 mm throttle bodies, fuel rails, high flow injectors, camshaft, connecting rods, Porsche 997 GT3 intake manifold, 2 Car Sound 3-Way catalytic converters, p/n 456205, a pair of 3 into 1 16 gauge headers, oil cooler, Porsche 993 Turbo fuel pump, new fuel tank (same capacity as stock), fuel lines, new manual transmission, open element air cleaner, and a new ECU with no user adjustments. Stock engine block is retained. Overall displacement is increased from a 3.6L to a 4.0L. Vehicles originally equipped with a turbo and intercooler must have these part removed, and are not transferred to Singer Vehicle Design's Porsche 911 Engine Upgrade 4.0L Kit. Catalytic converter part numbers must be visible for smog check and fuel pressure regulator cannot be adjustable.

This Executive Order is valid provided that the installation instructions for the Porsche 911 Engine Upgrade 4.0L Kit will not recommend tuning the vehicle to specifications different from those of Singer Vehicle Design.

Changes made to the design or operating conditions of the Porsche 911 Engine Upgrade 4.0L Kit, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This exemption is issued based on new submitted emissions test data, from Automotive Testing and Development Services, Inc., Ontario, California, on a 1990 model year Porsche 911 certified to the Tier 0 emission standards and tested using the Cold Start Federal Test Procedure (FTP) test cycle and a prior Diurnal Heat Build + Hot Soak test data done in support of Executive Order D-757:

	CVS-75 FTP		
	HC	CO	NOx
Standards	0.41	7.0	0.4
Device	0.20	3.2	0.2

Prior Diurnal Heat Build + Hot Soak

	HC
Standard	2.0
Device	0.8

Test results showed that the Porsche 911 Engine Upgrade 4.0L Kit when installed on the vehicle did not cause exhaust or evaporative emissions to exceed the applicable emission standards during the FTP, SFTP, and 2 Day Diurnal. This Executive Order is also based on the On-Board Diagnostic I (OBD I) testing conducted on the same test vehicle. The Porsche 911 Engine Upgrade 4.0L Kit when installed on the test vehicle did not affect the vehicle's ability to perform its OBD I monitoring.

The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE PORSCHE 911 ENGINE UPGRADE 4.0L KIT.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 13 day of April 2017.



Annette Hebert, Chief  
Emissions Compliance, Automotive Regulations and Science Division