State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-662-3

Relating to Exemptions Under Section 27156
of the Vehicle Code

Hirsch Performance AG
Software Performance Upgrade

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-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Software Performance Upgrade manufactured and marketed by Hirsch Performance Products of Zürcher Strasse 202, 9014 St. Gallen, Switzerland, has been found not to reduce the effectiveness of required motor vehicle pollution control devices and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the specific Saab 9-3, 9-5, and 9-4X vehicle models listed in Exhibit A.

The Software Performance Upgrade is a modified software calibration that is designed to provide increases in maximum horsepower and torque for the Saab vehicle models listed in Exhibit A. The software calibration is uploaded from the Internet to the vehicle's engine control unit via the on-board diagnostic connector and Hirsch Performance AG's IPRO programming tool. The calibration modifies parameters for the vehicles' air flow, fuel flow, and ignition timing. This modification can only be performed by Saab dealerships. Consumers themselves are not able to directly purchase either the calibration or the IPRO programming tool.

This Executive Order is valid provided that the installation instructions for the Software Performance Upgrade will not recommend tuning the vehicle to specifications different from those of Hirsch Performance AG.

Changes made to the design or operating conditions of the devices, as exempted by the Air Resources Board, that adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of these devices using any identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect that the use of these devices may have on any warranty either expressed or implied by the vehicle manufacturer.

This exemption is issued based on previously submitted emissions test data from an independent laboratory on a 2008 model year Saab 9-3 Sportcombi (Test Group 8GMXV02.3001) certified to the Low Emission Vehicle II Low Emission Vehicle (LEV II LEV) and Supplemental Federal Test Procedure (SFTP) standards:

Federal Test Procedure:

	NMOG	CO	NOX
Standards (g/mi)	0.075	3.4	0.05
Device (g/mi) with df's applied	0.071	0.7	0.02

SFTP (US06 Cycle):

	NMHC+NOX	CO
Standards (g/mi)	0.14	8.0
Device (g/mi)	0.08	2.9

SFTP (SC03 Alternative AC2 Cycle):

	NMHC+NOX	CO
Standards (g/mi)	0.20	2.7
Device (g/mi)	0.01	0.3

Test results showed that the Software Performance Upgrade when installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the Cold Start Federal Test Procedure. This Executive Order is also based on On-Board Diagnostic II (OBD II) testing conducted on a fully OBD II-compliant 2010 Saab 9-3 vehicle (Test Group AGMXV02.0004). The Software Performance Upgrade when installed on this test vehicle did not affect the vehicle's ability to perform its OBD II 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 SOFTWARE PERFORMANCE UPGRADE.

No claims 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 25 day of April 2011.

Annette Hebert, Chief
Mobile Source Operations Division

Exhibit A

(EO #D-662-3)

Model-Year	Model	Eng. Disp.	Part Number	Software Number
2011	Saab 9-4X Aero/Turbo6 XWD	2.8L	N270004061	N0UBC
2010	Saab 9-5 Aero/Turbo6 XWD Sedan	2.8L	G270004060	G0JAC
2011	Saab 9-5 Aero/Turbo6 XWD Sedan	2.8L	G270004060	G0JBC
2008	9-3 Sport Sedan	2.8L	F270006301	F0U8C
2008	9-3 Sportcombi	2.8L	F270006301	F0U8C
2008	9-3 Convertible	2.8L	F270006301	F0U8C
2007	9-3 Sport Sedan	2.0L	F270006280	F0Y7C
2008	9-3 Sport Sedan	2.0L	F270006280	F0Y8C
2009	9-3 Sport Sedan	2.0L	F270006280	F0Y9C
2009	9-3 Aero Sedan (AWD)	2.0L	F270006290	F3Y9C
2010	9-3 Sport Sedan	2.0L	F270006280	F0YAC
2010	9-3 Sedan (AWD)	2.0L	F270006290	F3YAC
2011	9-3 Sport Sedan	2.0L	F270006280	F0YBC
2011	9-3 Sedan (AWD)	2.0L	F270006290	F3YBC
2007	9-3 Sportcombi	2.0L	F270006280	F0Y7C
2008	9-3 Sportcombi	2.0L	F270006280	F0Y8C
2009	9-3 Sportcombi	2.0L	F270006280	F0Y9C
2009	9-3 Sportcombi (AWD)	2.0L	F270006290	F3Y9C
2010	9-3 Sportcombi	2.0L	F270006280	F0YAC
2010	9-3 Sportcombi (AWD)	2.0L	F270006290	F3YAC
2011	9-3 Sportcombi	2.0L	F270006280	F0YBC
2011	9-3 Sportcombi (AWD)	2.0L	F270006290	F3YBC
2007	9-3 Convertible	2.0L	F270006280	F0Y7C
2008	9-3 Convertible	2.0L	F270006280	F0Y8C
2009	9-3 Convertible	2.0L	F270006280	F0Y9C
2010	9-3 Convertible	2.0L	F270006280	F0YAC
2011	9-3 Convertible	2.0L	F270006280	F0YBC