

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-652

Relating to Exemptions Under Section 27156
of the California Vehicle Code

STaSIS Engineering
Signature Series ECU

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 Signature Series ECU, manufactured and marketed by the STaSIS Engineering, 29647 Arnold Drive, Infineon Raceway, Sonoma, California 95476, 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 2005 through 2009 model year Audi and Volkswagen vehicles as listed in Exhibit A.

The Signature Series ECU is an ECU upgrade only. Installation is conducted using a laptop computer and STaSIS Engineering's web site. The new program is uploaded through the OBD II port. There are no user adjustments.

This Executive Order is valid provided the installation instructions for the Signature Series ECU will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

Changes made to the design or operating conditions of the Signature Series ECU, 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 Executive Order shall not apply to any Signature Series ECU advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Signature Series ECU using any identification other than that shown in this Executive Order or marketing of the Signature Series ECU 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 the use of the Signature Series ECU may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data generated on a 2.0L 2006 model year Audi A4 certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) emission standards and modified with the Signature Series ECU. Testing consisted of a Cold-Start Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycles. Results are in grams per mile with deterioration factors applied to the FTP results. Emission levels of the modified vehicles met the applicable emission standards.

Audi A4	FTP				SFTP US06	
	NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards 50k	0.040	1.7	0.05	0.008	0.14	8.0
Device Test 1	0.018	1.1	0.02	0.000	0.05	4.1
Device Test 2	0.017	1.0	0.02	0.000		

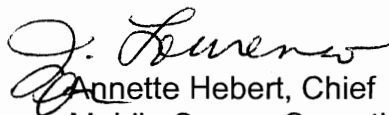
Emission levels of the modified vehicles met the applicable emission standards. Examination of the OBD II system showed the Signature Series ECU did not affect OBD II system operation.

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 SIGNATURE SERIES ECU.

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 10th day of October 2008.



Annette Hebert, Chief
Mobile Source Operations Division

Exhibit A

2008	Audi	RS4	4.2L FSI V8	Manual	420	428	8	8E1910560A
2008	Audi	RS4	4.2L FSI V8	Manual	420	428	8	8E1910560F
2008	Audi	R8	4.2L FSI V8	All	420	428	8	420910560A
2008	Audi	Q7	4.2L FSI V8	All	350	362	12	4L0910560G
2008	Audi	S6	5.2L FSI V10	All	435	445	10	4F1910552G
2008	Audi	S8	5.2L FSI V10	All	450	455	5	4E0910552D
2009	Audi	A3	3.2L V6	All	250	255	5	022906032LQ
2009	Audi	A4	2.0 TFSI	All	200	245	45	8E1910115H
2009	Audi	S4	4.2L V8	Manual	340	360	20	8E2910560H
2009	Audi	S4	4.2L V8	Auto	340	360	20	8E2910560J
2009	Audi	S5	4.2L FSI V8	Manual	352	364	12	8T0907560K
2009	Audi	S5	4.2L FSI V8	Manual	352	364	12	8T0907560Q
2009	Audi	S5	4.2L FSI V8	Auto	352	364	12	8T0907560G
2009	Audi	S5	4.2L FSI V8	Auto	352	364	12	8T0907560N
2009	Audi	S5	4.2L FSI V8	Auto	352	364	12	8T0907560R
2009	Audi	TT	2.0 TFSI	All	200	238	38	8J0907115T
2009	Audi	TT	3.2L V6	Manual	250	255	5	022906032LR
2009	Audi	TT	3.2L V6	Auto	250	255	5	022906032LS
2009	Audi	RS4	4.2L FSI V8	Manual	420	428	8	8E1910560F
2009	Audi	R8	4.2L FSI V8	All	420	428	8	420910560H
2009	Audi	Q7	4.2L FSI V8	All	350	362	12	4L0910560L
2009	Audi	Q7	4.2L FSI V8	All	350	362	12	4L0910560P
2009	Audi	S8	5.2L FSI V10	All	450	455	5	4E0910552K

Exhibit A

Model Year	Make	Model	Engine	Transmission	Stock Horsepower	Device Horsepower	Horsepower Gain	ECU Part Number
2005.5	Audi	A4	2.0 TFSI	All	200	245	45	8E0910115B
2005.5	Audi	S4	4.2L V8	Manual	340	360	20	8E0910560K
2005.5	Audi	S4	4.2L V8	Auto	340	360	20	8E0910560M
2006	Audi	A3	2.0 TFSI	All	200	238	38	8P0907115B
2006	Audi	A3	3.2L V6	All	250	255	5	022906032GP
2006	Audi	A4	2.0 TFSI	All	200	245	45	8E0910115M
2006	Audi	S4	4.2L V8	Manual	340	360	20	8E2910560
2006	Audi	S4	4.2L V8	Auto	340	360	20	8E2910560A
2007	Audi	A3	2.0 TFSI	All	200	238	38	8P0907115G
2007	Audi	A3	3.2L V6	All	250	255	5	022906032JF
2007	Audi	A4	2.0 TFSI	All	200	245	45	8E0910115P
2007	Audi	A4	2.0 TFSI	All	200	245	45	8E1910115
2007	Audi	RS4	4.2L FSI V8	Manual	420	428	8	8E1910560A
2007	Audi	RS4	4.2L FSI V8	Manual	420	428	8	8E1910560F
2007	Audi	S4	4.2L V8	Manual	340	360	20	8E2910560C
2007	Audi	S4	4.2L V8	Auto	340	360	20	8E2910560B
2007	Audi	S6	5.2L V10 FSI	All	435	445	10	4F1910552A
2007	Audi	S8	5.2L V10 FSI	All	450	455	5	4E0910552A
2007	Audi	Q7	4.2L FSI	All	350	362	12	4L0910560C
2008	Audi	A3	2.0 TFSI	All	200	238	38	8P0907115M
2008	Audi	A3	2.0 TFSI	All	200	238	38	8P0907115P
2008	Audi	A3	2.0 TFSI	All	200	238	38	8P0907115Q
2008	Audi	A3	3.2L V6	All	250	255	5	022906032KA
2008	Audi	A4	2.0 TFSI	All	200	245	45	8E1910115G
2008	Audi	S4	4.2L V8	Manual	340	360	20	8E2910560F
2008	Audi	S4	4.2L V8	Auto	340	360	20	8E2910560G
2008	Audi	S5	4.2L FSI V8	Manual	352	364	12	8T0907560
2008	Audi	S5	4.2L FSI V8	Manual	352	364	12	8T0907560A
2008	Audi	S5	4.2L FSI V8	Manual	352	364	12	8T0907560G
2008	Audi	S5	4.2L FSI V8	Auto	352	364	12	8T0907560D
2008	Audi	TT	2.0 TFSI	All	200	238	38	8J0907115B
2008	Audi	TT	3.2L V6	Manual	250	255	5	022906032HF
2008	Audi	TT	3.2L V6	Auto	250	255	5	022906032HG