

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-489
Relating to Exemptions Under Section 27156
of the Vehicle Code

REVOLUTIONS MOTORSPORTS, INC.
WEAPON*R COMPETITION PRODUCTS HYPER INTAKE SYSTEM

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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Weapon*R Competition Products Hyper Intake System, manufactured and marketed by Revolutions Motorsports, Inc., of 480 Collins Avenue, #C, Colma, California 94014, has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the Acura and Honda vehicles listed in Exhibit A.

The Weapon*R Competition Products Hyper Intake System includes the following main components: open-element reusable air filter, intake system tubing, assorted brackets, and hardware.

This Executive Order is valid provided that the installation instructions for the Weapon*R Competition Products Hyper Intake System will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Weapon*R Competition Products Hyper Intake System, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Weapon*R Competition Products Hyper Intake System using any identification other than that shown in this Executive Order or marketing of the Weapon*R Competition Products Hyper Intake System for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Weapon*R Competition Products Hyper Intake System shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect the use of the Weapon*R Competition Products Hyper Intake System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on examination of the On-Board Diagnostic II (OBD II) system of the vehicle in the modified configuration, and an engineering evaluation of the emissions impact of the device if measured using the Cold-Start CVS-75 Federal Test Procedure. However, the ARB finds that reasonable grounds exist to believe that use of the Revolutions Motorsports Weapon*R Competition Products Hyper Intake System may adversely affect emissions of motor vehicles when operating under conditions outside the

parameters of the CVS-75 Federal Test Procedure. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the Revolutions Motorsports Weapon*R Competition Products Hyper Intake System adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the Weapon*R Competition Products Hyper Intake System will affect the durability of the emission control system, Revolutions Motorsports shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

In addition to the foregoing, the ARB 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 REVOLUTIONS MOTORSPORTS WEAPON*R COMPETITION PRODUCTS HYPER INTAKE SYSTEM.

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 2nd day of November 1999.



R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

Model-Year	Make	Model	p/n
1986-89	Acura	Integra	WRF89AI
1990-93	Acura	Integra	WRF90AI
1994-99	Acura	Integra non-VTEC	WRF94AI
1994-99	Acura	Integra VTEC	WRF94GR
1987-90	Acura	Legend	WRF90LG
1991-96	Acura	Legend w.o. TCCS	WRF92LG
1991-96	Acura	Legend w. TCCS	WRF93LG
1997-99	Acura	CL 2.2 liter	WRF98CL
1988-91	Honda	Civic 1.6 liter	WRF91CV
1992-95	Honda	Civic	WRF92CV
1996-98	Honda	Civic EX, HX	WRF96EX
1999-2000	Honda	Civic EX	WRF99EX
1999-2000	Honda	Civic Si	WRF96EX
1996-99	Honda	Civic DX, LX, CX	WRF96CD
1986-89	Honda	Accord LXI	WRF88AC
1990-93	Honda	Accord	WRF90AC
1994-97	Honda	Accord	WRF94AC
1998-99	Honda	Accord	WRF98AC
1995-97	Honda	Accord V6	WRF96CV
1998-99	Honda	Accord V6	WRF96CV
1986-91	Honda	Prelude Si	WRF91PR
1992-95	Honda	Prelude	WRF92PR
1997-99	Honda	Prelude	WRF97PR
1997-99	Honda	CRV	WRF97CR

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-490
Relating to Exemptions Under Section 27156
of the Vehicle Code

SAFARI 4X4
SAFARI 4X4 INTERCOOLED TURBOCHARGER SYSTEM

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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Safari 4X4 Intercooled Turbocharger System, manufactured and marketed by Safari 4X4, 1775 N. Surveyor Avenue, Simi Valley, California 93063, 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 the 1995 through 1997 Toyota Landcruiser and Lexus LX450.

The Safari 4X4 Intercooled Turbocharger System includes the following main components: intercooler, Garrett T04E turbocharger, add-on engine control unit, assorted brackets, and hardware. Maximum boost is 4 psi.

This Executive Order is valid provided that the installation instructions for the Safari 4X4 Intercooled Turbocharger System will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Safari 4X4 Intercooled Turbocharger System, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Safari 4X4 Intercooled Turbocharger System using any identification other than that shown in this Executive Order or marketing of the Safari 4X4 Intercooled Turbocharger System for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Safari 4X4 Intercooled Turbocharger System shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect the use of the Safari 4X4 Intercooled Turbocharger System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emissions in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure and examination of the On-Board Diagnostic II (OBD II) system. Results from emissions testing conducted at the Automobile Club of Southern California, of Los Angeles, California, are shown below (in grams per mile):

Raw	NMHC	CO	NOx
Emission Level	0.226	2.109	0.212
50k	NMHC	CO	NOx
DF	1.169	1.406	1.577
Emission Level	0.264	2.966	0.335
(w. DF applied)			
STD	0.32	4.4	0.7
100k	NMHC	CO	NOx
DF	1.426	2.024	2.456
Emission Level	0.322	4.270	0.522
(w. DF applied)			
STD	0.46	6.4	0.96

The odometer reading on the test vehicle was 58,160 miles. Because the emissions of the test vehicle were compared to the certification standards, the 50,000 mile emissions were not derived through the application of deterioration factors. The "raw" emission values were derived by dividing the as-received test data by the 50,000 mile deterioration factors. The 100,000 mile emissions were then derived by applying the appropriate deterioration factors to the "raw" emissions. The emission test results in the modified configuration were below the applicable certification standards as in accordance with the "Procedures for Exemption of Add-On and Modified Parts". Examination of the OBD II system showed the Safari 4X4 Intercooled Turbocharger System does not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Safari 4X4 Intercooled Turbocharger System meets the criteria for exempting general criteria parts as specified in the "Procedures for Exemption of Add-On and Modified Parts". However, the ARB finds that reasonable grounds exist to believe that use of the Safari 4X4 Intercooled Turbocharger System may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the CVS-75 Federal Test Procedure. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the Safari 4X4 Intercooled Turbocharger System adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the Safari 4X4 Intercooled Turbocharger System will affect the durability of the emission control system, Safari 4X4 shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

In addition to the foregoing, the ARB 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.

SAFARI 4X4
SAFARI 4X4 INTERCOOLED TURBOCHARGER SYSTEM


EXECUTIVE ORDER D-490
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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 SAFARI 4X4'S SAFARI 4X4 INTERCOOLED TURBOCHARGER SYSTEM.

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 20th day of October 1999.


for R. B. Summerfield, Chief
Mobile Source Operations Division