

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-370-6
Relating to Exemptions Under Section 27156
of the Vehicle Code

DC SPORTS
EXHAUST HEADER

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 Exhaust Header, produced and marketed by DC Sports, 286 Winfield Circle, Corona, California 92880, 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 Acura and Honda vehicles listed in Exhibit A.

This Executive Order is valid provided that the installation instructions for the DC Sports Exhaust Header 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 DC Sports Exhaust Header, 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 DC Sports Exhaust Header 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 DC Sports Exhaust Header using any identification other than that shown in this Executive Order or marketing of the DC Sports Exhaust Header 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 DC Sports Exhaust Header may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure and an examination of the On-Board Diagnostic II (OBD II) system. A 2001 Honda Civic EX with a 1.7 liter engine (1HNXV01.7XJ9, ULEV, PC) was used for the evaluation of the DC Sports Exhaust Header. Results from emissions testing conducted at Automotive Testing and Development Services are shown below (in grams per mile):

50k	NMOG	CO	NOx	HCHO
Emission Level	0.040	0.114	0.081	0.0008
(w. DF applied)				
STD	0.040	1.7	0.2	0.008
100k	NMOG	CO	NOx	HCHO
Emission Level	0.042	0.121	0.092	0.0008
(w. DF applied)				
STD	0.055	2.1	0.3	0.011

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the DC Sports Exhaust Header does not affect OBD II operation. Therefore, based on the test results, the staff concludes that the DC Sports Exhaust Header meets the criteria for exempting general criteria parts.

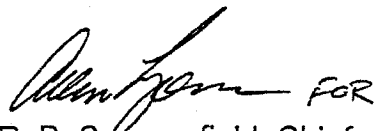
The ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 DC SPORTS' EXHAUST HEADER.

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 23RD day of April 2001.

A handwritten signature in black ink, appearing to read "R. B. Summerfield", followed by the letters "FOR" in a smaller, less distinct script.

R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

Make	Model	Model-Year	DISP. (L.)	P/N
Acura	Integra	1986-87	1.6	AHC6001 , AHS6601
Acura	Integra	1988-89	1.6	AHC6002 , AHS6602
Acura	Integra	1990-91	1.8	AHC6603 , AHS6003
Acura	Integra	1992-93	1.8	AHC6005 , AHS6005
Acura	Integra GS-R	1992-93	1.7	AHC6005 , AHS6005
Acura	Integra GS/RS/LS	1994-2001	1.8	AHC6006 , AHS6006 AHC6606 , AHS6606
Acura	Integra GS-R	1994-99	1.8	AHC6007 , AHS6007 AHC6507 , AHS6507 AHC6607 , AHS6607
Acura	Integra GS-R	2000-2001	1.8	AHC6511 , AHS6511 AHC6611 , AHS6611
Acura	Integra Type R	1997-98, 2000-2001	1.8	AHC6504 , AHS6504 AHC6604 , AHS6604
Acura	NSX	1991-94	3.0	AHS6008
Acura	NSX	1995-96	3.0	AHS6009
Honda	CRX/Civic Si	1984-87		HHC5001 , HHS5001
Honda	CRX/Civic	1988-91	1.5, 1.6	HHC5002 , HHS5002
Honda	Civic EX/LX/DX/SI	1992-95	1.5, 1.6	HHC5013 , HHS5013 HHC5513 , HHS5513 HHC5613 , HHS5613
Honda	Civic EX	1996-99	1.6	HHC5013 , HHS5013 HHC5513 , HHS5513 HHC5613 , HHS5613
Honda	Civic Si	1999-2000	1.6	HHC5504 , HHS5504 HHC5604 , HHS5604
Honda	Civic EX	2001	1.7	HHC5019 , HHS5019
Honda	DelSol VTEC DOHC	1994-97	1.6	HHC5504 , HHS5504 HHC5604 , HHS5604
Honda	Prelude S/SI/VTEC	1992-96	2.2	HHC5008 , HHS5008
Honda	Prelude type SH	1997-2001	2.2	HHC5014 , HHS5014
Honda	Prelude VTEC	1997-2001	2.2	HHC5015 , HHS5015
Honda	Accord DX/LX	1990-93	2.2	HHC5011 , HHS5011
Honda	Accord EX	1990-93	2.2	HHC5016 , HHS5016
Honda	Accord DX/LX	1994-97	2.2	HHC5012 , HHS5012
Honda	Accord EX	1994-97	2.2	HHC5017 , HHS5017
Honda	Accord 4cyl	1998-2001	2.3	HHC5018 , HHS5018
Honda	S2000	2000-2001	2.0	HHS5020 , HHC5020

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AIR RESOURCES BOARD

EVALUATION OF DC SPORTS'
EXHAUST HEADER
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE
SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA CODE OF REGULATIONS

April 2001

by

Mobile Source Operations Division
9528 Telstar Avenue
El Monte, CA 91731

(This report has been reviewed by the staff of the California Air Resources Board and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Air Resources Board, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.)

SUMMARY

DC Sports, of 286 Winfield Circle, Corona, California 92880, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for the DC Sports Exhaust Header designed for the Acura and Honda vehicles listed in Exhibit A.

Based on comparison of emissions in the modified configuration with the applicable standards and an examination of the On-Board Diagnostic II (OBD II) system with the DC Sports Exhaust Header installed, the staff concludes that the DC Sports Exhaust Header will not adversely affect exhaust emissions from vehicles for which the exemption is requested.

The staff recommends that DC Sports, be granted an exemption as requested and that Executive Order D-370-6 be issued.

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I. INTRODUCTION

DC Sports, of 286 Winfield Circle, Corona, California 92880, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for the DC Sports Exhaust Header designed for the Acura and Honda vehicles listed in Exhibit A.

II. CONCLUSIONS

Based on emission testing, and an examination of the On-Board Diagnostic II (OBD II) system with the DC Sports Exhaust Header installed, the staff concludes that the DC Sports Exhaust Header will not adversely affect exhaust emissions from the vehicles for which the exemption is requested.

III. RECOMMENDATION

The staff recommends that DC Sports be granted an exemption for their Exhaust Header for installation on the Acura and Honda vehicles listed in Exhibit A.

IV. EXHAUST HEADER DESCRIPTION

The DC Sports Exhaust Header has been specifically designed for installation on Acura and Honda vehicles.

The intent of installing the DC Sports Exhaust Header is to increase power output from the engine. The power increase is due to the increased exhaust flow efficiency of the DC Sports Exhaust Header.

The DC Sports Exhaust Header consists of a tubular exhaust manifold comprised of stainless steel, or mild steel and coated with a high temperature ceramic coating. When necessary, an extension to the stock oxygen sensor harness is included because the oxygen sensor has been relocated down stream of the stock location. The oxygen sensor harness extension is equipped with Original Equipment Manufacturer style connectors to facilitate accurate installation.

V. DISCUSSION OF THE EXHAUST HEADER

To determine the emissions impact of the DC Sports Exhaust Header, emissions were measured in the modified configuration for comparison to the applicable certification standards. Since the DC Sports Exhaust Header operates at increased efficiency compared to the stock exhaust manifold, an unacceptable increase in emissions could have resulted. However, there was no adverse impact on emissions due to the DC Sports Exhaust Header.

A 2001 Honda Civic EX with a 1.7 liter engine (1HNXV01.7XJ9) was used for the evaluation of the Exhaust Header. The test vehicle was certified to passenger car ULEV emission standards and was equipped with OBD II. Testing consisted of one CVS-75 FTP in the modified configuration to set all readiness codes, and measure emissions. The ARB did not perform testing to confirm the test results submitted by the applicant.

Results from emissions testing conducted at Automotive Testing and Development Services are shown below (in grams per mile):

50k	NMOG	CO	NOx	HCHO
Emission Level (w. DF applied)	0.040	0.114	0.081	0.0008
STD	0.040	1.7	0.2	0.008
100k	NMOG	CO	NOx	HCHO
Emission Level (w. DF applied)	0.042	0.121	0.092	0.0008
STD	0.055	2.1	0.3	0.011

The emission test results in the modified configuration were below the applicable certification standards. All OBD II system readiness indicators set in the modified configuration, and no diagnostic trouble codes were triggered. Therefore, based on the test results, the staff concludes that the DC Sports Exhaust Header meets the criteria for the exemption of general criteria parts. However, the ARB finds that reasonable grounds exist to believe that use of the DC Sports Exhaust Header may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the previously prescribed test procedure. Accordingly, the ARB reserves the right to conduct additional emission tests in the future, as such tests are developed.

DC Sports, has submitted all the required information and fulfilled the requirements for an exemption.