

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-554

Relating to Exemptions Under Section 27156  
of the Vehicle Code

DOUG'S HEADERS  
FULL LENGTH HEADERS

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 Full Length Headers, manufactured and marketed by Doug's Headers, 2349 W. La Palma Avenue, Anaheim, California, 92801 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 1973 through 2003 trucks and motorhomes equipped with a General Motors 6 or 8 cylinder engine as listed in Exhibit A. **Vehicles that are emissions certified to the Ultra-Low Emissions Vehicle (ULEV) emission standards or equipped with a close coupled warm up catalyst are excluded from this Executive Order.**

The Full Length Headers are manufactured out of 16 gage stainless steel or 14 gage mild steel with a nickel finish or ceramic coating. **The location of the oxygen sensor is at the collector in the connecting pipe, in the stock location and configuration.**

This Executive Order is valid provided that the installation instructions for the Full Length Headers will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

This Executive Order shall not apply to any Full Length Headers advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Changes made to the design or operating conditions of the Full Length Headers, 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 Full Length Headers using any identification other than that shown in this Executive Order or marketing of the Full Length Headers 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 Full Length Headers 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 Full Length Headers may have on any warranty either expressed or implied by the vehicle.

This Executive Order is granted based on emissions test data generated on a 2001 Chevrolet C1500 truck certified to the Low-Emission Vehicle (LEV) emission standards. Emission levels of the modified vehicle met the applicable emission standards over the Cold-Start CVS-75 Federal Test Procedure (FTP). Results are in grams per mile with deterioration factors applied:

CVS-75

	NMOG	CO	NOx	HCHO
Standards	0.160	4.4	0.4	0.018
Device	0.117	1.6	0.2	0.002

This Executive Order is also based on an On-Board Diagnostic II (OBD II) test conducted on the same test vehicle. Test data showed that the headers when installed on the vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

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 FULL LENGTH HEADERS.

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 12<sup>TH</sup> day of March 2003.



- Allen Lyons, Chief  
Mobile Source Operations Division

Exhibit A

CHEVROLET/GMC  
Trucks

	<u>Nickel</u>	<u>Ceramic</u>	<u>Stainless</u>
<u>1973-87 Pickup</u>			
350 V8			
2 WD with 3" cat	D3367Y	D3367Y-C	D3367Y-SS
2 WD	D3368Y	D3368Y-C	D3368Y-SS
4 WD with 3" cat	D3365Y	D3365Y-C	D3365Y-SS
4 WD	D3364Y	D3364Y-C	D3364Y-SS
454-502 V8			
2 WD Single Air Pump	D3303Y	D3303Y-C	D3303Y-SS
2 WD Single Air Pump	D3341	D3341-C	D3341-SS
2 WD Dual Air Pump	D3307Y	D3307Y-C	D3307Y-SS
2 WD Dual Air Pump	D3342	D3342-C	D3342-SS
4 WD Single Air Pump	D3304Y	D3304Y-C	D3304Y-SS
4 WD Single Air Pump	D3344	D3344-C	D3344-SS
4 WD Dual Air Pump	D3311Y	D3311Y-C	D3311Y-SS
4 WD Dual Air Pump	D3345	D3345-C	D3345-SS
<u>1973-91 Suburban &amp; Blazer</u>			
350 V8			
2 WD with 3" cat	D3367Y	D3367Y-C	D3367Y-SS
2 WD	D3368Y	D3368Y-C	D3368Y-SS
4 WD with 3" cat	D3365Y	D3365Y-C	D3365Y-SS
4 WD	D3364Y	D3364Y-C	D3364Y-SS
454-502 V8 (No Blazer)			
2 WD Single Air Pump	D3303Y	D3303Y-C	D3303Y-SS
2 WD Single Air Pump	D3341	D3341-C	D3341-SS
2 WD Dual Air Pump	D3307Y	D3307Y-C	D3307Y-SS
2 WD Dual Air Pump	D3342	D3342-C	D3342-SS
4 WD Single Air Pump	D3304Y	D3304Y-C	D3304Y-SS
4 WD Single Air Pump	D3344	D3344-C	D3344-SS
4 WD Dual Air Pump	D3311Y	D3311Y-C	D3311Y-SS
4 WD Dual Air Pump	D3345	D3345-C	D3345-SS
<u>1986-91 Crew Cab Pickup</u>			
454-502 V8			
2 WD Single Air Pump	D3399Y	D3399Y-C	D3399Y-SS
2 WD Dual Air Pump	D 3398Y	D3398Y-C	D3398Y-SS
2 WD Single Air Pump	D3341	D3341-C	D3341-SS
2 WD Dual Air Pump	D3342	D3342-C	D3342-SS
4 WD Single Air Pump	D3344	D3344-C	D3344-SS
4 WD Dual Air Pump	D3345	D3345-C	D3345-SS

	<u>Nickel</u>	<u>Ceramic</u>	<u>Stainless</u>
<u>1988-95 Pickup</u>			
4.3L V6 ( 3 tube )	D3346	D3346-C	D3346-SS
5.0L & 5.7L V8			
2 WD with 3" cat.	D3367Y	D3367Y-C	D3367Y-SS
4 WD with 3" cat	D3364Y	D3364Y-C	D3364Y-SS
2 WD with clamp-on cat.	D3383Y	D3383Y-C	D3383Y-SS
2 WD with weld-on cat.	D3385Y	D3385Y-C	D3385Y-SS
4 WD	D3386Y	D3386Y-C	D3386Y-SS
454-502 V8			
2&4 WD Std & Ext Cab	D3388Y	D3388Y-C	D3388Y-SS
<u>1989-93 Pickup</u>			
454-502 V8			
2 WD SS454	D3392Y	D3392Y-C	D3392Y-SS
<u>1992-95 All</u>			
5.0L & 5.7L V8			
2 WD with 3" cat.	D3367Y	D3367Y-C	D3367Y-SS
4 WD with 3" cat	D3364Y	D3364Y-C	D3364Y-SS
2 WD with clamp-on cat.	D3383Y	D3383Y-C	D3383Y-SS
2 WD with weld-on cat.	D3385Y	D3385Y-C	D3385Y-SS
4 WD	D3386Y	D3386Y-C	D3386Y-SS
454-502 V8			
2&4 WD ( No Blazer)	D3388Y	D3388Y-C	D3388Y-SS
<u>1996-98 All</u>			
4.3L V6			
with A.I.R. inj.	D3347	D3347-C	D3347-SS
without A.I.R inj.	D3348	D3348-C	D3348-SS
5.0L & 5.7L V8			
2 WD with A.I.R inj.	D3350	D3350-C	D3350-SS
4 WD with A.I.R inj.	D3351	D3351-C	D3351-SS
2 WD without A.I.R inj.	D3357	D3357-C	D3357-SS
454 V8			
2 WD with A.I.R	D3394Y	D3394Y-C	D3394Y-SS
2 WD without A.I.R.	D3395Y	D3395Y-C	D3395Y-SS
4 WD with A.I.R.	D3396Y	D3396Y-C	D3396Y-SS
4 WD without A.I.R.	D3397Y	D3397Y-C	D3397Y-SS

	<u>Nickel</u>	<u>Ceramic</u>	<u>Stainless</u>
<u>1999-01 All</u>			
4.3L V6			
with A.I.R. inj.	D3347	D3347-C	D3347-SS
4.3L V6			
without A.I.R. inj.	D3348	D3348-C	D3348-SS
4.8L-6.0L V8			
2 WD with A.I.R inj.	D3353	D3353-C	D3353-SS
4 WD with A.I.R inj.	D3354	D3354-C	D3354-SS
2 WD without A.I.R. inj.	D3355	D3355-C	D3355-SS
7.4L & 1 Ton 8.1L*			
2 WD with A.I.R. inj.	D3394Y	D3394Y-C	D3394Y-SS
2 WD without A.I.R. inj.	D3395Y	D3395Y-C	D3395Y-SS
4 WD with A.I.R. inj.	D3396Y	D3396Y-C	D3396Y-SS
4 WD without A.I.R. inj.	D3397Y	D3397Y-C	D3397Y-SS

\* 2001 8.1L engine families 1GMXA08.1201 & 1GMXA08.1203 equipped with a close coupled warm-up catalyst is excluded from this Executive Order.

#### MOTORHOMES CLASS A

<u>1982-91</u>			
454-502 V8			
Carb. Single A.I.R. Pump	D3303Y	D3303Y-C	D3303Y-SS
Carb. Single A.I.R. Pump			D3358-SS
Carb. Dual A.I.R. Pump	D3307Y	D3307Y-C	D3307-SS
Carb. Dual A.I.R. Pump			D3359-SS
<u>1992-95</u>			
454-502 V8			
Throttle Body Injection			D3360-SS
<u>1996-00</u>			
454 & 502 V8			
Vortech ( P-12 Chassis)			D3361-SS
Vortech ( P-30 Chassis)			D3362-SS
<u>2001-03</u>			
8.1L V8			
Workhorse ( W Chassis)			D3316-SS
Workhorse ( P Chassis)			D3317-SS

#### MOTORHOMES CLASS C

<u>1970-87</u>			
305-400 V8	D3315Y	D3315Y-C	D3315Y-SS