

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-216-28

Relating to Exemptions Under Section 27156
of the Vehicle Code

Automotive Engineered Products
JBA 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 JBA Headers, manufactured and marketed by Automotive Engineered Products, Inc., 7149 Mission Gorge Road, San Diego, California, 92120 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 those applicable gasoline powered General Motors and Ford vehicles listed in Exhibit A of this Executive Order, excluding the following engine test groups: 2005 model year General Motors, 5GMXV03.8044, 5GMXT03.5145, 2004 model year General Motors, 4GMXT03.5145, 2005 model year Ford, 5FMXT02.31EE, 5FMXT02.31EF, 5FMXV02.01GB, 2004 model year Ford 4FMXV02.3VLC, and 2003 model year Ford 3FMXV02.3VLC.

The JBA Headers are a shorty style header, manufactured out of either 16 gage stainless steel or 14 gage mild steel. The headers bolt to the stock connecting pipes and retain the oxygen sensor in its stock location.

This Executive Order is valid provided that the installation instructions for the headers 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 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.

This Executive Order shall not apply to any Automotive Engineered Products, Inc.'s JBA Headers 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 headers using any identification other than that shown in this Executive Order or marketing of the 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 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 headers 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 2004 model year General Motors 3.8L Grand Prix and a Ford 4.6L Crown Victoria, both certified to the Low Emission Vehicle II Low Emission Vehicle (LEV II LEV) emission standards. Testing consisted of a Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycle. Results are in grams per mile with deterioration factors added to CVS-75 FTP results. Emission levels of the modified vehicles met the applicable emission standards.

Crown Victoria

	NMOG	CO	NOx	HCHO	US06	
					NMHC+NOx	CO
Standards	0.075	3.4	0.05	0.015	0.14	8.0
Device w/ dfs	0.058	0.8	0.01	0.000	0.11	0.5

Grand Prix

	NMOG	CO	NOx	HCHO	US06	
					NMHC+NOx	CO
Standards	0.075	3.4	0.05	0.015	0.14	8.0
Device w/ dfs	0.023	0.3	0.03	0.000	0.03	1.0

This Executive Order is also based on an On-Board Diagnostic II (OBD II) tests conducted on the same test vehicles. Test data showed that the JBA Header when installed on the vehicles did not affect their ability to perform 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 AUTOMOTIVE ENGINEERED PRODUCTS, INC.'S JBA 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 7th day of February 2005.


Allen Lyons, Chief

Mobile Source Operations Division

Exhibit A

GENERAL MOTORS VEHICLES

1803	1993-95 PASSENGER CARS 5.7L, 1980-91 TRUCKS 5.0L, 5.7L
1804	1995-97 PASSENGER CARS 5.7L
1805	1993-05 PASSENGER CARS 6 CYL
1806	1994-96 PASSENGER CAR 5.7L
1807, 1808, 1809	1997-2005 PASSENGER CAR 5.7L/6.0L
1810	1984-91 PASSENGER CARS 5.7L
1815, 1816	1992-96 PASSENGER CARS 5.7L, 1980-91 TRUCKS 5.0L, 5.7L
1814, 1817	1997-2005 GM PASSENGER CAR 5.7L/6.0L
1818	1965-75 PASSENGER CAR 396-454 CID
1819	1965-88 PASSENGER CAR 283-400 CID
1822, 1823	1988-2000 TRUCKS 7.4L
1826	1965-1991 TRUCKS 7.4L
1828	1988-1995 TRUCKS 7.4L
1830, 1834, 1835	1965-1995 TRUCKS/PASSENGER CAR 283-400 CID
1831	1988-1995 TRUCKS 5.0L/5.7L
1832	1996-2000 TRUCKS 5.0/5.7L
1840, 1841, 1843, 184	1988-1995 TRUCKS 4.3L
1842, 1844, 1846	1996-2005 TRUCKS 4.3L
1850, 1851	1999-2005 TRUCKS 4.8/5.3/6.0L
1855	04-05 TRUCKS 5 CYL
1860, 1861	2000-2005 GM TRUCK 8.1L
1865	2002-2005 GM TRUCK 6 CYL *
1880, 1881	1995-2005 PASSENGER CARS 4CYL
1900, 1901	1985-88 BUICK REGAL T-TYPE & GRAND NATIONAL TURBO 3.8L

*** The following engine test groups are excluded: 2005 model year General Motors, 5GMXV03.8044, 5GMXT03.5145, and 2004 model year General Motors 4GMXT03.5145.**

Exhibit A

FORD VEHICLES

1617	2005 FORD PASSENGER CAR V6	
1618	1989-1999 FORD PASSENGER CAR 3.8L	
1619	1979-2004 PASSENGER CARS 3.8L	
1620,1621,1624	1979-95 PASSENGER CARS 5.0L	
1625, 1675	1996-2005 PASSENGER CARS 4.6L	
1626	1993-2004 PASSENGER CARS 4.6L	
1627	1966-96 TRUCKS 5.0L, 1966-1986 TRUCKS 5.8L	
1628	1966-99 TRUCKS 5.8L	
1629	1988-98 TRUCKS 7.5L	
1630, 1632	1986-91 TRUCKS 2.9L	
1633	1990-94 TRUCKS 4.0L	
1634	1995-2005 TRUCKS 4.0L	
1635	1974-87 TRUCKS 429-460 CID	
1639	1979-95 PASSENGER CARS 5.8L	
1645	1989-93 PASSENGER CARS 5.0L	
1646, 1647	1986-2005 TRUCKS 3.0L	
1650, 1653	1965-73 PASSENGER CARS 289-351 CID	
1660	1966-77 TRUCKS 289-351 CID	
1667	1996 TRUCKS 5.0L	
1668	1987-99 TRUCKS 5.0L, 5.8L	
1669, 1670	1998-2005 TRUCKS 10 CYL	
1671	1966-96 TRUCKS 6 CYL	
1672	1997-2005 TRUCKS 6 CYL	
1673	2000-2005 FORD TRUCKS 6 CYL	
1674	1998-2005 FORD TRUCK 4.0L OHC	
1677, 1678, 1687	1997-2005 TRUCKS 4.6L	
1676, 1679	1997-2005 TRUCKS 5.4L	
1680, 1681	1972-2005 PASSENGER CARS 4 CYL *	
1685, 1686	1972-2005 TRUCKS 4 CYL	
1690	2000-2004 FORD PASSENGER CAR 5.4L	
1692	2000-2004 FORD PASSENGER CAR 4.6L	
1693	2003-2005 PASSENGER CAR 4.6L	

* The following engine test groups are excluded: 2005 model year Ford, 5FMXT02.31EE, 5FMXT02.31EF, 5FMXV02.01GB, 2004 model year Ford, 4FMXV02.3VLC, and 2003 model year Ford 3FMXV02.3VLC.