

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-11

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering, Inc.
Silver Bullet

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 Silver Bullet, manufactured by Taylor Cable Products, Inc., 301 High Grove Road, Grandview, Missouri 64030, and marketed by Advanced Flow Engineering, Inc., 252 Granite Street, Corona, California 92879, 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 following vehicles listed in Exhibit A.

The Silver Bullet is an aluminum spacer plate, approximately one inch thick with machined helical grooves on the inside ports, and is installed under the vehicle's throttle body or carburetor.

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

This Executive Order is granted based on a prior evaluation which determined that the Silver Bullet would not cause an adverse effect on emissions of the selected vehicles (D-676), nor does it affect the vehicles' ability to perform On-Board Diagnostic II (OBD II) system 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 THE SILVER BULLET.

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 14th day of November 2013.



Erik White, Chief
Mobile Source Operations Division

Exhibit A

AFE part numbers	Make	Starting Model Year	Ending Model Year	Model Type	Engine Type Displacement
46-31009	BMW	2011	2013	328i F30	L4-2.9L (t) N20
46-31004	BMW	1996	1999	M3 (E36)	3.2L
46-38003	Toyota	1996	2004	4Runner	2.7L
46-38003	Toyota	1995	2004	Tacoma 2RZFE	2.4L
46-38003	Toyota	1995	2004	Tacoma 3RZFE	2.7L
46-38003	Toyota	1996	1998	T100	2.7
46-31008	BMW	2001	2006	325i (E46)	2.5L
46-31002	BMW	2007	2010	335i / Xi (E90/92/93)	3.0L
46-31002	BMW	2010	2012	335i / Xi (E90/92/93)	3.0L
46-31002	BMW	2008	2011	135i (E82/88)	3.0L
46-31002	BMW	2008	2009	535i (E60/61)	3.0L
46-31007	BMW	2011	2013	335i (E90)	3.0L (T)
46-38001	Toyota	1995	2004	Tacoma	3.4L
46-38001	Toyota	1995	1998	T100	3.4L
46-38001	Toyota	1999	2002	4 Runner	3.4L
46-38001	Toyota	2000	2004	Tundra 5VZFEP	3.4L
46-33017	Ford	2011	2013	F150 Ecoboost	3.5L
46-35003	JEEP	2012	2013	Wrangler	3.6L
46-35003	JEEP	2011	2013	Grand Cherokee	3.6L
46-32008	Chrysler	2011	2013	300/Charger/Challenger/Durango	3.6L
46-35002	JEEP	2007	2011	Wrangler JK	3.8L
46-35001	JEEP	1991	2006	Cherokee/Wrangler (TJ/YJ)	4.0L
46-33004	Ford	1990	2001	Ranger/Explorer	4.0L (E) OHV
46-33004	Mazda	1994	2001	B4000	4.0L (E) OHV
46-33004	Mercury	1998	2001	Mountaineer	4.0L (E) OHV
46-33009	Ford	2001	2009	Ranger/Explorer (w/ Throttle Cable)	4.0L (E & K) SOHC
46-33009	Mazda	2002	2009	B4000	4.0L (E & K) SOHC
46-33009	Ford	2001	2003	Explorer	4.0L
46-33007	Ford	2003	2007	Ranger, Explorer w/ETC	4.0L SOHC
46-33007	Ford	2005	2010	Mustang	4.0L SOHC
46-38008	Toyota	2010	2013	FJ Cruiser	4.0L
46-38008	Toyota	2010	2013	4 Runner	4.0L
46-34006	GM	1996	2004	Sonoma /Jimmy	4.3L Vortec
46-34006	GM	1996	2000	Silverado/Sierra 1500	4.3L Vortec
46-34006	GM	1996	2005	S10 / Blazer	4.3L Vortec
46-34006	GM	1996	2001	Olds Bravada	4.3L
46-34006	GM	1997	2000	Isuzu Hombre	4.3L
46-31001	BMW	1997	2003	E39	4.4L
46-31001	BMW	2000	2006	E53	4.4L/4.6L/4.8L
46-31001	BMW	2004	2008	E60	4.4L/4.8L
46-31001	BMW	2004	2005	E63/64	4.4L/4.8L
46-33001	Ford	1997	2003	F150/Heritage	4.6L
46-33001	Ford	1997	2003	F150	5.4L
46-33001	Ford	1997	2004	Expedition	4.6L
46-33001	Ford	2004	2004	Heritage	4.6L
46-33001	Lincoln	1998	1998	Navigator	5.4L
46-33001	Ford	2004	2010	F150/Expedition (2 valve)	4.6L
46-33006	Ford	2005	2010	Mustang	4.6L
46-32003	Dodge	2000	2009	Dakota	4.7L

AFE part numbers	Make	Starting Model Year	Ending Model Year	Model Type	Engine Type Displacement
46-32003	Dodge	2000	2009	Durango	4.7L
46-32003	Dodge	2004	2009	Durango	5.7L
46-32004	Dodge	2002	2002	RAM 1500	4.7L
46-32004	Dodge	2003	2009	RAM 1500 (w / throttle cables)	4.7L
46-38006	Toyota	2000	2005	Tundra ('05 built before 11/1/04)	4.7L
46-38006	Toyota	2001	2005	Sequoia ('05 built before 11/1/04)	4.7L
46-38006	Toyota	2003	2005	4 Runner ('05 built before 11/1/04)	4.7L
46-31006	BMW	1997	2003	550i (E39)	4.8L
46-31006	BMW	2004	2006	X5 (E53)	4.8L
46-31006	BMW	2004	2005	545i	4.8L
46-31006	BMW	2004	2005	645i	4.8L
46-31006	BMW	2006	2009	750i (E65/66)	4.8L
46-31006	BMW	2004	2009	550i/650i (E63/64)	4.8L
46-33010	Ford	2011	2013	F150 / Mustang	5.0L
46-34001	GM	1999	2002	Silverado/Sierra 1500/2500/3500 Vortec	4.8L/5.3L/6.0L
46-34001	GM	2000	2002	Avalanche/Escalade/Suburban/Tahoe/Yukon	4.8L/5.3L/6.0L
46-34003	GM	2007	2013	Silverado/Sierra, 1500/2500/3500 HD	4.8L/5.3L/6.0L/6.2L
46-34003	GM	2007	2013	Avalanche/Escalade/ Yukon/ Tahoe/ Suburban	4.8L/5.3L/6.0L/6.2L
46-34008	GM	2014	2014	Silverado/Sierra 1500	5.3L
46-33012	Ford	1997	2003	F150	5.4L
46-33012/46-33001	Ford	1997	2004	Expedition	5.4L
46-33012	Ford	1999	2004	F-250/350 S. Duty	5.4L
46-33012	Ford	2000	2004	Excursion	5.4L
46-33002	Ford	2004	2010	F-150/250/350	5.4L
46-33002	Ford	2005	2010	Expedition	5.4L
46-33002/46-33001	Ford	2006	2008	Lincoln Mark LT	5.4L
46-34004	GM	1987	1995	C/K Pickups/ 94-95 S10/ Tahoe/Suburban	4.3L/5.0L/5.7L
46-34005	GM	1996	2000	C/K 1500-3500/ Tahoe/Escalade	5.0L/5.7L
46-32002/46-32006	Dodge	2003	2008	RAM 1500-3500 w/aftermarket Air Intake	5.7L Hemi
46-32002/46-32006	Dodge	2004	2008	Durango w/aftermarket Air Intake	5.7L
46-32003	Dodge	2004	2008	Durango w/ Factory Air Intake	5.7L Hemi
46-32005	Dodge	2012	2013	Ram	5.7L Hemi
46-32005	Dodge	2009	2012	RAM 1500	5.7L Hemi
46-32005	Dodge	2009	2012	RAM 2500-3500/Durango/Aspen	5.7L Hemi
46-32007	Chrysler	2011	2013	300 SRT8	V8-6.4L
46-32007	Chrysler	2011	2013	300C	V8-5.7L
46-32007	Dodge	2011	2013	Challenger SRT8 / Charger SRT8	V8-6.4L
46-32007	Dodge	2011	2013	Challenger RT / Charger RT	V8-5.7L
46-32001	Dodge	1994	2003	RAM 1500 / 2500-3500 (Non Diesel)	5.9L
46-32001	Dodge	1994	2001	RAM 1500 / 2500-3500	3.9L/5.2L
46-34001	GM	2003	2006	Escalade/ Yukon/ Tahoe/ Suburban/Avalanche/Denali	4.8L/5.3L/6.0L
46-34001	GM	2003	2006	Hummer H2	6.0L
46-34001	GM	2003	2004	Trailblazer/SSR	4.8L/5.3L/6.0L
46-34001	GM	2003	2006	Chevy/GMC 1500/2500/3500	4.8L/5.3L/6.0L
46-34001	GM	2007	2007	Chevy/GMC 1500/2500/3500 Classic	5.7L
46-32002	Dodge	2005	2010	300C, LLC SRT8	6.1L Hemi
46-32002	Dodge	2005	2008	Magnum SRT8	6.1L Hemi
46-32002	Dodge	2006	2010	Charger SRT8	6.1L Hemi
46-32002	Dodge	2008	2010	Challenger SRT8	6.1L Hemi
46-32002	JEEP	2006	2010	Grand Cherokee SRT8	6.1L Hemi
46-33011	Ford	2010	2013	F150 / Raptor	6.2L
46-33011	Ford	2011	2013	F250/F350	6.2L

AFE part numbers	Make	Starting Model Year	Ending Model Year	Model Type	Engine Type Displacement
46-33005	Ford	1999	2004	F250/350/450/550	6.8L V10
46-33005	Ford	2000	2005	Excursion	6.8L V10
46-34001	GM	2001	2007	Chevy/GMC 2500/3500, Yukon	8.1L Vortec
46-37001	Acura	2013	2013	ILX	2.4L
46-37001	Acura	2009	2013	TSX	2.4L
46-37001	Honda	2008	2013	Accord	2.4L
46-37001	Honda	2012	2013	Civic SI	2.4L
46-36002	Nissan	2005	2013	Frontier/Pathfinder/Xterra	4.0L
46-36002	Suzuki	2008	2012	Equator	4.0L
46-36001	Nissan	2004	2013	Armada	5.6L
46-36001	Nissan	2004	2004	Pathfinder	5.6L
46-36001	Nissan	2005	2013	Infiniti QX56	5.6L
46-36001	Nissan	2004	2013	Titan	5.6L
46-38002	Toyota	2005	2009	4 Runner (1GRFE)	4.0L
46-38002	Toyota	2005	2013	Tacoma (1GRFE)	4.0L
46-38002	Toyota	2005	2012	Tundra (1GRFE)	4.0L
46-38002	Toyota	2007	2009	FJ Cruiser	4.0L
46-38004	Toyota	2005	2010	Tundra/Sequoia/4 Runner	4.7L
46-38004	Toyota	2007	2010	Tundra/Sequoia	4.7L
46-38004	Lexus	2003	2009	GX470	4.7L
46-38005	Toyota	2011	2013	Tundra	4.6L
46-38005	Toyota	2010	2013	Sequoia	4.6L
46-38005	Toyota	2008	2013	Sequoia	5.7L
46-38005	Toyota	2007	2014	Tundra	5.7L

