

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-17

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 (ARB) by Section 27156 of the Vehicle Code (VC); 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-14-012;

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. (AFE) of 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 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 adjacent to the vehicle's throttle body or carburetor. No changes are made to any other components of the stock engine, including engine calibration.

This Executive Order is valid provided that installation instructions for the Silver Bullet 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 Silver Bullet, as exempt by the ARB, 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 ARB.

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-676-4), nor does it affect the vehicles' ability to perform On-Board Diagnostic II system monitoring.

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. Further, if test results or other evidence provides the ARB with reason to suspect that the Silver Bullet will affect the durability of emission control systems, AFE shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

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 AFE 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 20 day of September 2016.



Annette Hebert, Chief  
Emissions Compliance, Automotive Regulations and Science Division

Exhibit A

<u>PN</u>	<u>Model Year</u>	<u>Make</u>	<u>Model</u>	<u>Engine</u>
46-31001	1997-03	BMW	E39	4.4L
	2000-06	BMW	X5 (E53)	4.4L/4.6L/4.8L
	2004-08	BMW	545i (E60)	4.4L/4.8L
	2004-05	BMW	645i (E63/64)	4.4L/4.8L
46-31006	1997-03	BMW	540i, 540iA	4.4L
	2004-06	BMW	X5 (E53)	4.8L
	2004-05	BMW	545i, 645i	4.8L
	2006-09	BMW	750i (E65/66)	4.8L
	2006-10	BMW	550i (E60)	4.8L
	2006-11	BMW	650i (E63/64)	4.8L
46-31007	2011-13	BMW	135i (E82/88), 335i/ix (E90/92/93)	3.0L
	2012-14	BMW	M135i/ix (F20/21)	3.0L
	2012-15	BMW	335i/ix (F30/31/34)	3.0L
	2014-15	BMW	435i/ix (F32/33), M235i (F22)	3.0L
	2013-15	BMW	X1 35ix (E84)	3.0L
46-31009	2011-13	BMW	328i (F30)	3.0L
	2012-15	BMW	328i/ix (F30/31/34)	2.0L
	2013-14	BMW	320i/ix (F30/31/34)	2.0L
	2014	BMW	220i (F22), 420i/ix (F32/33)	2.0L
	2014-15	BMW	228i (F22), 428i/ix (F32/33)	2.0L
46-32001	1994-03	Dodge	Ram 1500-3500	5.9L (gas)
	1994-01	Dodge	Ram 1500-3500	3.9L/5.2L
46-32002	2005-10	Chrysler	300C, 300 SRT-8	6.1L HEMI
	2008-10	Dodge	Challenger SRT-8	6.1L HEMI
	2006-10	Chrysler	Dodge Charger SRT-8, Jeep Grand Cherokee SRT-8	6.1L HEMI
	2005-08	Dodge	Magnum	6.1L HEMI
	2003-08	Dodge	Ram 1500-3500 w/ aftermarket air intake	5.7L HEMI
	2004-08	Dodge	Durango w/ aftermarket air intake	5.7L
46-32003	2000-09	Dodge	Dakota, Durango	4.7L
	2004-09	Dodge	Durango	5.7L
46-32004	2002	Dodge	Ram 1500	4.7L
	2003-09	Dodge	Ram 1500 (w/ throttle cables)	4.7L
46-32005	2012-13	Dodge	Ram	5.7L HEMI
	2009-12	Dodge	Ram 1500-3500, Durango, Aspen	5.7L HEMI
46-32006	2003-08	Dodge	Ram 1500-3500 w/ aftermarket air intake	5.7L HEMI
	2004-08	Dodge	Durango w/ aftermarket air intake	5.7L
46-32007	2011-16	Chrysler	300C, Dodge Challenger R/T, Charger R/T	5.7L
	2011-16	Dodge	Challenger SRT-8, Charger SRT-8	6.4L
	2011-15	Chrysler	300 SRT-8	6.4L
46-32008	2011-15	Chrysler	300/Charger/Challenger/Durango	3.6L
46-33001	1997-03	Ford	F-150 (Heritage)	5.4L
	2004	Ford	F-150	4.6L
	1997-06	Ford	Expedition	4.6L
	1998	Lincoln	Navigator	5.4L
	2004-10	Ford	F-150, Expedition	4.6L 2-valve
	1997-04	Ford	Expedition	5.4L
	2006-08	Lincoln	Mark LT	5.4L

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46-33002	2004-10	Ford	F-150/250/350	5.4L
	2005-10	Ford	Expedition	5.4L
	2006-08	Lincoln	Mark LT	5.4L
46-33004	1990-01	Ford	Ranger, Explorer	4.0L OHV (E)
	1994-01	Mazda	B4000	4.0L OHV (E)
	1998-01	Mercury	Mountaineer	4.0L OHV (E)
46-33005	2000-05	Ford	Excursion	6.8L
	2000-04	Ford	F-250/350/450/550	6.8L
46-33006	2005-10	Ford	Mustang	4.6L
46-33007	2005-10	Ford	Mustang	4.0L SOHC
	2003-07	Ford	Ranger, Explorer	4.0L SOHC w/ETC
46-33009	2001-09	Ford	Ranger, Explorer (w/ Throttle Cable)	4.0L SOHC (E&K)
	2002-09	Mazda	B4000	4.0L SOHC (E&K)
46-33010	2011-15	Ford	F-150	5.0L
	2011-14	Ford	Mustang	5.0L
46-33011	2010-14	Ford	F-150, Raptor	6.2L
	2011-14	Ford	F-250/350 Super Duty	6.2L
46-33012	1997-03	Ford	F-150	5.4L
	1997-04	Ford	Expedition	5.4L
	1999-04	Ford	F-250/350 Super Duty	5.4L
	2000-04	Ford	Excursion	5.4L
46-33017	2011-14	Ford	F-150	3.5L Turbo
	2015-16	Ford	F-150	3.5L NA
	2011-14	Ford	F-150	3.7L
46-33018	2012-16	Ford	Explorer	3.5L
46-34001	2000-06	GM	Escalade, Yukon, Yukon XL, Tahoe, Suburban, Avalanche	4.8L/5.3L/6.0L
	2003-06	GM	Denali	4.8L/5.3L/6.0L
	2003-07	Hummer	H2	6.0L
	1999-07	GM	Silverado/Sierra 1500-3500	4.8L/5.3L/6.0L/6.2L
	2003-04	GM	Trailblazer, SSR	4.8L/5.3L/6.0L
	2007	GM	Silverado/Sierra 1500-3500 Classic	5.7L
	2001-07	GM	Silverado/Sierra 2500-3500, Yukon	8.1L
46-34003	2007-13	GM	Silverado/Sierra 1500/2500/3500 HD, Escalade, Yukon	4.8L/5.3L/6.0L/6.2L
	2007-14	GM	Avalanche, Tahoe, Suburban	4.8L/5.3L/6.0L/6.2L
46-34004	1987-94	Chevrolet	S-10 Blazer	5.0L, 5.7L
	1992-95	Chevrolet	Tahoe	5.7L
	1994-95	GM	Chevrolet S-10/Blazer, GMC Sonoma/Jimmy	4.3L
	1987-95	GM	C/K 1500-3500, Suburban	4.3L/5.0L/5.7L
46-34005	1996-00	GM	C/K 1500-3500, Tahoe, Escalade	5.0L, 5.7L
46-34006	1996-04	GMC	Sonoma, Jimmy	4.3L Vortec
	1996-00	GM	Chevrolet Silverado 1500, GMC Sierra 1500	4.3L Vortec
	1996-05	Chevrolet	S-10, Blazer	4.3L Vortec
	1996-01	Oldsmobile	Bravada	4.3L
	1997-00	Isuzu	Hombre	4.3L
46-34008	2014-15	GM	Chevrolet Silverado 1500, GMC Sierra 1500	5.3L
46-34009	2010-15	Chevrolet	Camaro SS	6.2L
46-34011	2014	Chevrolet	Corvette C7	6.2L
46-34012	2008-13	Chevrolet	Corvette C6	6.2L
	2006-13	Chevrolet	Corvette C6 Z06	7.0L

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46-35001	1991-06	Jeep	Wrangler	4.0L
46-35002	2007-11	Jeep	Wrangler	3.8L
46-35003	2012-16	Jeep	Wrangler	3.6L
	2011-16	Jeep	Grand Cherokee	3.6L
46-36001	2004-15	Nissan	Armada, Titan	5.6L
	2014	Infiniti	QX80	5.6L
	2005-13	Infiniti	QX56	5.6L
	2011-13	Infiniti	M56	5.6L
	2014-16	Infiniti	Q70	5.6L
46-36002	2004	Nissan	Pathfinder	5.6L
	2005-14	Nissan	Frontier/Pathfinder/Xterra	4.0L
	2015	Nissan	Frontier/Xterra	4.0L
46-37001	2008-12	Suzuki	Equator	4.0L
	2013-15	Acura	ILX	2.4L
	2009-15	Acura	TSX	2.4L
	2008-15	Honda	Civic Si	2.4L
46-37002	2008-14	Honda	Accord	2.4L
	2008-14	Honda	Accord	3.5L
	2010-14	Acura	TSX	3.5L
	2010-15	Honda	Crosstour	3.5L
	2014-16	Acura	MDX, RLX, TLX	3.5L
	2007-14	Acura	MDX	3.7L
	2005-16	Honda	Odyssey, Pilot	3.5L
	2005-08	Acura	RL	3.5L
	2009-12	Acura	RL	3.7L
	2013-14	Acura	RL	3.5L/3.7L
	2009-14	Acura	TL, Type S	3.5L/3.7L
	2007-08	Acura	TL, Type S	3.5L
46-38001	2010-13	Acura	ZDX	3.7L
	2006-14	Honda	Ridgeline	3.5L
	1995-04	Toyota	Tacoma	3.4L
	1995-98	Toyota	T100	3.4L
46-38002	1996-02	Toyota	4Runner	3.4L
	2000-04	Toyota	Tundra	3.4L
	2005-09	Toyota	4Runner	4.0L
	2007-09	Toyota	FJ Cruiser	4.0L
46-38003	2005-15	Toyota	Tacoma	4.0L
	2005-13	Toyota	Tundra	4.0L
46-38004	1995-04	Toyota	Tacoma	2.4L/2.7L
	1996-98	Toyota	T100	2.7L
46-38005	2003-09	Lexus	GX470	4.7L
	2006-07	Lexus	LX470	4.7L
	2006-07	Toyota	Landcruiser	4.7L
	2005-10	Toyota	Tundra	4.7L
46-38005	2007-15	Lexus	LX570	5.7L
	2010-13	Toyota	Sequoia	4.6L
	2007-15	Toyota	Tundra	4.6L
	2007-15	Toyota	Landcruiser, Sequoia	5.7L
	2007-14	Toyota	Tundra	5.7L

Exhibit A

46-38006	2003-05	Toyota	4Runner ('05 built before 11/1/04)	4.7L
	2001-05	Toyota	Sequoia ('05 built before 11/1/04)	4.7L
	2000-05	Toyota	Tundra ('05 built before 11/1/04)	4.7L
46-38008	2010-15	Toyota	FJ Cruiser, 4Runner	4.0L
46-38009	2013-15	Subaru	BRZ	2.0L
	2013-15	Toyota	FRS	2.0L
46-39001	2012-15	Porsche	911 (991)	3.8L