

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-557

Relating to Exemptions Under Section 27156  
of the Vehicle Code

IGNITION SOLUTIONS  
Plasma Direct and Plasma Booster

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 Plasma Direct and Plasma Booster, manufactured and marketed by Ignition Solutions, Silverton Avenue, Suite E, San Diego, California 92126 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 the vehicle applications listed in Exhibit A.

The Plasma Direct is a direct replacement ignition coil. The Plasma Booster is an add-on spark enhancement device that is installed by attaching one wire to the negative coil terminal and the other to a ground source. The Plasma Direct and Plasma Booster are sold separately as an individual device.

This Executive Order is valid provided that the installation instructions for the Plasma Direct and Plasma Booster will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

This Executive Order shall not apply to any Ignition Solutions' Plasma Direct and Plasma Booster 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 Plasma Direct and Plasma Booster, 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 Plasma Direct and Plasma Booster using any identification other than that shown in this Executive Order or marketing of the Plasma Direct and Plasma Booster 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 Plasma Direct and Plasma Booster may have on any warranty either expressed or implied by the vehicle manufacturer.

This exemption is issued based on information supplied by the device manufacturer which demonstrates that the Plasma Direct and Plasma Booster meet the requirements of compliance criteria for ignition system components as specified under the "Procedures for Exemption of Add-On and Modified Parts" and therefore, will not increase emissions. This Executive Order is also based on an On Board Diagnostic II (OBD II) testing conducted on a 2001 model year 1.8L Audi TT with the Plasma Direct installed and a 2002 model-year 4.0L Jeep Wrangler with the Plasma Booster installed. The Plasma Direct and Plasma Booster when installed on the vehicle did not affect the vehicle's ability to perform OBD II monitoring.

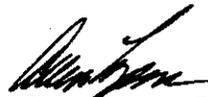
ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 PLASMA DIRECT AND PLASMA BOOSTER.

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 17<sup>TH</sup> day of April 2003.



Allen Lyons, Chief  
Mobile Source Operations Division

## Exhibit A

<b>ACURA</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
90 - 93	Integra, Integra GSR	B18	1.8	L4	DIS PB-1110	Booster	1
94 - 01	Integra, RS, GS, SE, GSR	B18	1.8	L4	DIS PB-1110	Booster	1
02 - 03	RSX Type S	KA20	2.0	L4	COP PDC-5411	Direct	4
91 - 93	NSX		3.0	V6	COP PB-6142	Booster	6

<b>AUDI</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
97 - 00	A4 Turbo DOHC	AEB	1.8	L4	COP PDC-5111	Direct	4
99 - 02	A4 Turbo	AWM, ATW	1.8	L4	COP PDC-5112	Direct	4
02 - 03	A4	AVK	3.0	V6	COP PDC-5114	Direct	6
00 - 02	A6	APB	2.7	V6	COP PDC-5113	Direct	6
02 - 03	A6	AVK	2.8	V6	COP PDC-5114	Direct	6
00 - 03	S4 Twin Turbo		2.7	V6	COP PDC-5113	Direct	6
00 - 03	TT	AWP, ATC, AMW	1.8	L4	COP PDC-5112	Direct	4

<b>BMW</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
98 - 99	323 (E36)	M52	2.5	L6	COP PDC-5012	Direct	6
99 - 00	323 (E46)	M52	2.5	L6	COP PDC-5012	Direct	6
92 - 95	325 (E36)	M50	2.5	L6	COP PDC-5011	Direct	6
01 - 02	325 (E46)	M50	2.5	L6	COP PDC-5012	Direct	6
95 - 98	328 (E36)	M52	2.8	L6	COP PDC-5012	Direct	6
99 - 00	328 (E46)	M52	2.8	L6	COP PDC-5012	Direct	6
01 - 03	330 (E46)	M52	3.0	L6	COP PDC-5012	Direct	6
91 - 95	525 (E34)	M50	2.5	L6	COP PDC-5011	Direct	6
01 - 02	525 (E39)	M52	2.5	L6	COP PDC-5011	Direct	6
97 - 00	528 (E39)	M52	2.8	L6	COP PDC-5012	Direct	6
94 - 95	530 (E34)	M60	3.0	V8	COP PDC-5011	Direct	8
01 - 02	530 (E39)	M52	3.0	L6	COP PDC-5012	Direct	6
94 - 95	540 (E34)	M60	4.0	V8	COP PDC-5011	Direct	8
97 - 03	540 (E39)	M62	4.4	V8	COP PDC-5012	Direct	8
93 - 95	740 (E32)	M60	4.0	V8	COP PDC-5011	Direct	8
96 - 01	740 (E38)	M62	4.4	V8	COP PDC-5012	Direct	8
94 - 95	840 (E31)	M60	4.0	V8	COP PDC-5011	Direct	8
96 - 97	840 (E31)	M62	4.4	V8	COP PDC-5012	Direct	8
1995	M3 (E36)	S50	3.0	L6	COP PDC-5011	Direct	6
96 - 99	M3 (E36)	S52	3.2	L6	COP PDC-5012	Direct	6
			3.5 &				
91 - 93	M5 (E34)	S38	3.8	L6	COP PDC-5011	Direct	6
00 - 01	M5 (E39)	S60	5.0	V8	COP PDC-5012	Direct	8
01 - 02	X5	ALL	3.0	L6	COP PDC-5012	Direct	6
00 - 02	X5	ALL	4.4	V8	COP PDC-5012	Direct	8
99 - 01	Z3 Roadster	M52	2.5	L6	COP PDC-5012	Direct	6
97 - 00	Z3 Roadster	M52	2.8	L6	COP PDC-5012	Direct	6
2001	Z3 Roadster	M54	3.0	L6	COP PDC-5012	Direct	6
98 - 01	Z3 Roadster	S52	3.2	L6	COP PDC-5012	Direct	6
00 - 01	Z8	ALL	5.0	V8	COP PDC-5012	Direct	8
02 - 03	Mini Cooper & Cooper S		1.6	L4	WS PB-2110	Booster	2

## Exhibit A

<b>BUICK</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
87 - 78	Grand National			V6	WS PB-3120	Booster	3

<b>CHEVROLET</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
94 - 93	Chevrolet, 454 Motorhome		7.4	V8	DIS PB-1110	Booster	1
91 - 93	S10		2.5	L4	DIS PB-1120	Booster	1
All	HEI - Distributor				DIS PB-1110	Booster	1

<b>CHRYSLER</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
97 - 03	Minivan		3.8	V6	WS PB-3122	Booster	3
00 - 03	PT-Cruiser		2.4	L4	WS PB-2160	Booster	2
00 - 03	PT-Cruiser TURBO		2.4	L4	WS PB-2160	Booster	2

<b>CHRYSLER - JEEP</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
84 - 96	Cherokee/Wrangler		2.5	L4	DIS PB-1110	Booster	1
91 - 98	Cherokee/Wrangler		4.0	L6	DIS PB-1110	Booster	1
87 - 90	Cherokee/Wrangler		4.0	L6	DIS PB-1110	Booster	1
01 - 03	Jeep All Models		4.0	L6	WS PB-3120	Booster	3

<b>DODGE</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
00 - 95	Neon	SOHC	2.0	L4	WS PB-2120	Booster	2
00 - 94	Neon	DOHC	2.0	L4	WS PB-2120	Booster	2
98 - 95	Caravan		3.8	V6	WS PB-3122	Booster	3
00 - 92	Viper			V10	DIS PB-2110	Booster	2

<b>EAGLE</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
91 - 94	Talon		2.0	L4	WS PB-2110	Booster	2
89 - 97	Talon	Turbo	2.0	L4	WS PB-2110	Booster	2

<b>FORD</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
00 - 02	Focus		2.0	L4	WS PB-2110	Booster	2
93 - 97	Probe		2.5	V6	DIS PB-1110	Booster	1
96 - 02	Mustang		3.8	V6	WS PB-3132	Booster	3
	Mustang GT with S/C or Nitrous		4.6	V8	WS PB-4139	Booster	4
96 - 98	Nitrous		4.6	V8	WS PB-4110	Booster	4
96 - 98	Mustang GT		4.6	V8	WS PB-4110	Booster	4
	Mustang GT with S/C or Nitrous		4.6	V8	COP PB-8137	Booster	8
99 - 03	Nitrous		4.6	V8	COP PB-8147	Booster	8
99 - 03	Mustang GT		4.6	V8	WS PB-4139	Booster	4
96 - 98	Cobra with S/C or Nitrous		4.6	V8	WS PB-4119	Booster	4
96 - 98	Cobra		4.6	V8	WS PB-4119	Booster	4
99 - 03	Cobra with S/C or Nitrous		4.6	V8	COP PB-8138	Booster	8
99 - 03	Cobra		4.6	V8	COP PB-8148	Booster	8
00 - 02	Crown Victoria		4.6	V8	COP PB-8147	Booster	8
91 - 92	Ranger		4.0	V6	WS PB-3120	Booster	3
94 - 00	Ranger		4.0	V6	DIS PB-1110	Booster	1
99 - 03	F150 with S/C or Nitrous		5.4	V8	COP PB-8137	Booster	8
99 - 03	F150		5.4	V8	COP PB-8147	Booster	8
99 - 03	Lightning		5.4	V8	COP PB-8137	Booster	8

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<b>HONDA</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
90 - 97	Accord	F22	2.2	L4	DIS PB-1110	Booster	1
95 - 97	Accord	C27	2.7	V6	DIS PB-1110	Booster	1
98 - 99	Accord	J30	3.0	V6	DIS PB-1110	Booster	1
98 - 01	Accord	F23	2.3	L4	DIS PB-1110	Booster	1
94 - 97	Civic Del Sol	B16	1.6	L4	DIS PB-1110	Booster	1
93 - 95	Civic Del Sol	D15	1.5	L4	DIS PB-1110	Booster	1
96 - 97	Civic Del Sol	D16	1.6	L4	DIS PB-1110	Booster	1
93 - 97	Civic Del Sol	D16	1.6	L4	DIS PB-1110	Booster	1
01 - 03	Civic All Models		1.7	L4	COP PDC-5211	Directs	4
92 - 95	Civic DX	D15	1.5	L4	DIS PB-1110	Booster	1
96 - 00	Civic DX	D16	1.6	L4	DIS PB-1110	Booster	1
92 - 00	Civic EX VTEC	D16	1.6	L4	DIS PB-1110	Booster	1
96 - 00	Civic HX	D16	1.6	L4	DIS PB-1110	Booster	1
92 - 95	Civic LX	D15	1.5	L4	DIS PB-1110	Booster	1
96 - 00	Civic LX	D16	1.6	L4	DIS PB-1110	Booster	1
96 - 00	Civic Si DOHC	D16	1.6	L4	DIS PB-1110	Booster	1
92 - 95	Civic VX	D15	1.5	L4	DIS PB-1110	Booster	1
87 - 91	CRX	D15	1.5	L4	DIS PB-1110	Booster	1
87 - 91	CRX	D16	1.6	L4	DIS PB-1110	Booster	1
92 - 01	Prelude	H22	2.2	L4	DIS PB-1110	Booster	1
92 - 01	Prelude	H23	2.3	L4	DIS PB-1110	Booster	1

<b>LEXUS</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
98 - 01	GS300		3.0	V6	WS PB-3120	Booster	3
01 - 02	GS430		4.3	V8	COP PDC-5311	Directs	8
01 - 02	IS300	2JZGE	3.0	L6	WS PB-3122	Booster	3
92 - 93	ES300	3VZFE	3.0	V6	DIS PB-1120	Booster	1

<b>MAZDA</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
94 - 97	B2300		2.3	L4	Dis PB-1120	Booster	1
90 - 93	Miata		1.6	L4	WS PB-2120	Booster	2
93 - 97	MX-6		2.5	V6	Dis PB-1110	Booster	1
93 - 95	RX7		1.3	RT	WS PB-3110	Booster	3

<b>MERCEDES BENZ</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
00 - 03	SMART				COP PB-6120	Booster	6

<b>MITSUBISHI</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
91 - 99	3000GT VR4 Twin Turbo		3.0	V6	WS PB-3130	Booster	3
95 - 99	Eclipse	ALL	2.0	L4	WS PB-2120	Booster	2
90 - 94	Eclipse GST	Turbo	2.0	L4	WS PB-2110	Booster	2
95 - 99	Eclipse GST	Turbo	2.0	L4	WS PB-2110	Booster	2
90 - 94	Eclipse GSX	Turbo	2.0	L4	WS PB-2110	Booster	2
95 - 99	Eclipse GSX	ALL	2.0	L4	WS PB-2110	Booster	2
00 - 02	Eclipse	ALL	3.0	V6	Dis PB-1110	Booster	1

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<b>NISSAN</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
89 - 94	240SX	KA24DE	2.4	L4	Dis PB-1120	Booster	1
95 - 98	240SX	KA24DE	2.4	L4	Dis PB-1120	Booster	1
84 - 89	300ZX Turbo		3.0	V6	Dis PB-1140	Booster	1
91 - 99	Sentra SER, NX, 200SX	SR20DE	2.0	L4	Dis PB-1120	Booster	1

<b>SATURN</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
91 - 92	SC		1.9	4	WS PB-2121	Booster	2
93 - 01	SC1		1.9	4	WS PB-2121	Booster	2
93 - 01	SC2		1.9	4	WS PB-2121	Booster	2
91 - 01	SL		1.9	4	WS PB-2121	Booster	2
91 - 01	SL1		1.9	4	WS PB-2121	Booster	2
91 - 01	SL2		1.9	4	WS PB-2121	Booster	2
93 - 99	SW1		1.9	4	WS PB-2121	Booster	2
93 - 01	SW2		1.9	4	WS PB-2121	Booster	2

<b>TOYOTA</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
96 - 01	4 Runner	5VZ-FE	3.4	V6	WS PB-3120	Booster	3
92 - 93	Camry	3VZFE	3.0	V6	DIS PB-1120	Booster	1
01 - 03	Celica GT		1.8	L4	COP PDC-5512	Directs	4
01 - 03	Celica GTS		2.8	L4	COP PDC-5513	Directs	4
91 - 95	MR2	3SGTE	2.0	L4	DIS PB-1140	Booster	1
92 - 94	Pickup	22RE	2.4	L4	DIS PB-1120	Booster	1
97 - 01	Solara	1MZFE	3.0	V6	WS PB-3120	Booster	3
93 - 98	Supra	2JZGE	3.0	V6	WS PB-3120	Booster	3
93 - 98	Supra	2JZGTE	3.0	V6	COP PB-6140	Booster	6
95 - 99	T100	5VZ-FE	3.4	V6	WS PB-3120	Booster	3
95 - 00	Tacoma	5VZ-FE	3.4	V6	WS PB-3120	Booster	3
01 - 02	Tundra		4.7	V6	COP PDC-5511	Directs	6

<b>VOLKSWAGEN</b>		Engine	Displ.	Cyl.	Part #	Model	Cha.
95 - 99	Golf Gti VR6	AAA	2.8	V6	WS PB-3120	Booster	3
00 - 01	Golf Gti Turbo	AWW, AWD	1.8	L4	COP PDC-5112	Directs	4
93 - 99	Jetta, Gli VR6	AAA	2.8	V6	WS PB-3120	Booster	3
00 - 02	Jetta, Gli Turbo	AWW, AWD	1.8	L4	COP PDC-5112	Directs	4
99 - 03	Beetle	AWV, APH	1.8	L4	COP PDC-5111	Directs	4
93 - 97	Passat VR6	AAA	2.8	V6	WS PB-3120	Booster	3
98 - 99	Passat Turbo	AEB	1.8	L4	COP PDC-5111	Directs	4
00 - 01	Passat Turbo	AUG, ATW	1.8	L4	COP PDC-5112	Directs	4
01 - 03	Passat Turbo	AWM	1.8	L4	COP PDC-5112	Directs	4