

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-777

Relating to Exemptions Under Section 27156
of the California Vehicle Code

KTN Thermo Dynamics
KTN Thermo Spacer

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the KTN Thermo Spacer, manufactured and marketed by KTN Thermo Dynamics, 612 North 39th Avenue, Yakima, Washington 98908, 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 vehicle applications listed in Exhibit A.

The KTN Thermo Spacer is a composite spacer plate, approximately one inch thick with no helical grooves on the inside ports, and is installed between the vehicle's throttle body and intake manifold. There are no user adjustments for proper installation and no sensors are moved or modified. No changes are made to the ECU calibration with installation.

This Executive Order is valid provided that the installation instructions for the KTN Thermo Spacer will not recommend tuning the vehicle to specifications different from those submitted by the vehicle manufacturer.

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

This Executive Order is granted based on an engineering evaluation which determined that the KTN Thermo Spacer would not cause an adverse effect on emissions of the selected vehicles and on submitted On-Board Diagnostic II testing conducted on a 2013 model year 2.4L Honda Civic Si and a 2011 model year 2.5L Subaru Impreza. The KTN Thermo Spacer when installed on the test vehicles did not affect the vehicle's ability to perform its 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 THE KTN THERMO SPACER.

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 11 day of July 2016.



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

Exhibit A

<u>PN</u>	<u>Year</u>	<u>Make</u>	<u>Model</u>	<u>Engine</u>
acu0973	1993-1995	Acura	Integra LS, GS, RS, GSR	1.8L 4-Cyl
acu1316	1999-2001	Acura	TL	3.2L V-6
acu1320	2001-2006	Acura	MDX	2.0L 4-Cyl
acu1331	2005-2008	Acura	RL	3.5L V-6
acu1349	2004-2005	Acura	TSX	2.4L 4-Cyl
acu1483	1996-1998	Acura	RL	3.2L V-6
acu1547	2002-2004	Acura	RSX	2.0L 4-Cyl
acu1548	2005-2006	Acura	RSX	2.0L 4-Cyl
acu1551	2006-2008	Acura	TSX	2.4L 4-Cyl
hon0778	1991-1993	Honda	Accord	2.2L 4-Cyl
hon0973	1998-2002	Honda	Accord	2.3L 4-Cyl
	1993-1995	Honda	Civic Si DOHC VTEC	1.6L 4-Cyl
	1992-2001	Honda	Prelude	2.2L 4-Cyl
hon0979	1994-1997	Honda	Accord	2.3L 4-Cyl
	1993-1995	Honda	Civic SOHC	1.6L 4-Cyl
	1994-1998	Honda	Odyssey	3.2L V-6
hon1066	1996-2000	Honda	Civic SOHC	1.6L 4-Cyl
hon1067	1996-2000	Honda	Civic Si DOHC VTEC	1.6L 4-Cyl
hon1115	1998-2002	Honda	Accord	2.3L 4-Cyl
hon1316	1999-2004	Honda	Odyssey	3.2L V-6
hon1320	2003-2005	Honda	Accord	3.0L V-6
hon1331	2006-2007	Honda	Accord	2.4L 4-Cyl
	2003-2008	Honda	Pilot	3.6L V-6
hon1349	2003-2005	Honda	Accord	2.4L 4-Cyl
	2003-2006	Honda	Element	2.4L 4-Cyl
hon1547	2001-2005	Honda	Civic	1.7L 4-Cyl
hon1549	2006-2011	Honda	Civic Si	2.0L 4-Cyl
mit0622	1982-1989	Mitsubishi	Starion	2.4L 4-Cyl
mit0855	1990-1994	Mitsubishi	Eclipse Base	1.8L 4-Cyl
mit0870	1991-1995	Mitsubishi	Montero	3.0L V-6
mit0879	1991-1999	Mitsubishi	3000 GT	3.0L V-6
	1990-1994	Mitsubishi	Eclipse GS	2.0L 4-Cyl
	1990-1994	Mitsubishi	Eclipse GST/GSX	2.0L 4-Cyl
	2000-2005	Mitsubishi	Eclipse GT/GTS	2.4L 4-Cyl
	2004-2008	Mitsubishi	Lancer Evo	2.0L 4-Cyl
	1996-2003	Mitsubishi	Montero	3.0L V-6
mit0889	1995-1999	Mitsubishi	Eclipse GST/GSX	2.0L 4-Cyl
	2003-2004	Mitsubishi	Outlander	2.4L 4-Cyl
mit0966	2000-2005	Mitsubishi	Eclipse GS/RL	2.4L 4-Cyl
mit1001	1995-1999	Mitsubishi	Eclipse RS/GS	2.0L 4-Cyl
mit1397	2002-2007	Mitsubishi	Lancer DOHC	2.0L 4-Cyl
mit1432	2006-2011	Mitsubishi	Eclipse GS/SE	3.0L V-6
	2002-2007	Mitsubishi	Lancer SOHC	2.0L 4-Cyl
	2004-2006	Mitsubishi	Outlander	2.4L 4-Cyl
mit1490	2006-2011	Mitsubishi	Eclipse GT	2.4L 4-Cyl

Exhibit A

<u>PN</u>	<u>Year</u>	<u>Make</u>	<u>Model</u>	<u>Engine</u>
nis0818	1995-1998	Nissan	200sx	1.8L 4-Cyl
	1990-1998	Nissan	240sx	2.4L 4-Cyl
	1993-2001	Nissan	Altima	2.4L 4-Cyl
	1990-1994	Nissan	Maxima	3.0L V-6
	1991-1994	Nissan	Sentra SE-R	2.0L 4-Cyl
nis0853	1990-1995	Nissan	Pathfinder	3.0L V-6
nis0869	1990-1996	Nissan	300zx	3.0L V-6
	1990-1996	Nissan	300zx Turbo	3.0L V-6
	1991-1994	Nissan	Sentra	2.4L 4-Cyl
nis1064	1990-1994	Nissan	Maxima	2.0L 4-Cyl
nis1064	1995-1999	Nissan	Maxima	2.0L 4-Cyl
nis1212	1995-1998	Nissan	200sx	1.6L 4-Cyl
	1995-1999	Nissan	Sentra	2.4L 4-Cyl
nis1269	1998-2000	Nissan	Frontier V6	3.0L V-6
	2001-2004	Nissan	Frontier	3.0L V-6
	1996-2004	Nissan	Pathfinder	3.0L V-6
	2002-2004	Nissan	Xterra	3.3L V-6
nis1275	2000-2006	Nissan	Sentra	2.4L 4-Cyl
nis1342	2003-2008	Nissan	350z	3.5L V-6
	2002-2006	Nissan	Altima	3.5L V-6
	2007-2012	Nissan	Altima	3.5L V-6
	2002-2003	Nissan	Maxima	3.0L V-6
	2004-2008	Nissan	Maxima	3.5L V-6
	1996-2004	Nissan	Pathfinder	3.5L V-6
nis1354	2002-2006	Nissan	Altima	2.4L 4-Cyl
	2000-2006	Nissan	Sentra	2.5L 4-Cyl
nis1468	1998-2000	Nissan	Frontier	2.4L 4-Cyl
	2001-2004	Nissan	Frontier	2.4L 4-Cyl
	2002-2004	Nissan	Xterra	2.4L 4-Cyl
nis1645	2007-2012	Nissan	Altima	2.5L 4-Cyl
sub0920	1998	Subaru	Forester	2.0L 4-Cyl
	1993-1995	Subaru	Impreza	2.0L 4-Cyl
	1996-1998	Subaru	Impreza	2.5L 4-Cyl
	1994-1999	Subaru	Legacy	2.0L 4-Cyl
	1994-1999	Subaru	Legacy	2.5L 4-Cyl
sub1359	2002-2004	Subaru	Impreza	2.0L 4-Cyl
	2005-2011	Subaru	Impreza	2.0L 4-Cyl
sub1360	1999-2002	Subaru	Forester	2.0L 4-Cyl
	2001-2007	Subaru	Forester	2.5L 4-Cyl
	1996-1998	Subaru	Impreza	2.0L 4-Cyl
	2000-2001	Subaru	Impreza	2.5L 4-Cyl
	2000-2001	Subaru	Impreza	2.0L 4-Cyl
	2002-2004	Subaru	Impreza	2.5L 4-Cyl
	2003-2009	Subaru	Legacy	2.5L 4-Cyl
	2000-2004	Subaru	Outback	2.5L 4-Cyl
sub1500	2003-2009	Subaru	Legacy	2.5L Turbo

Exhibit A

<u>PN</u>	<u>Year</u>	<u>Make</u>	<u>Model</u>	<u>Engine</u>
sub1547	1996-1998	Subaru	Impreza	2.0L 4-Cyl
sub1657	2008-2011	Subaru	Forester	2.0L 4-Cyl
sub1669	2000-2004	Subaru	Outback	3.0L 6-Cyl
sub1670	2002-2004	Subaru	Impreza	2.0L 4-Cyl
toy0541	1985-1989	Toyota	Celica	2.0L 4-Cyl
toy0664	1991-1994	Toyota	Tercel	1.3L 4-Cyl
toy0675	1986-1989	Toyota	4Runner	2.4L 4-Cyl
toy0682	1986-1992	Toyota	Supra	1.9L 6-Cyl
toy0683	1986-1992	Toyota	Supra Turbo	2.4L 6-Cyl
toy0687	1992-1996	Toyota	Camry	2.2L 4-Cyl
	1985-1989	Toyota	Celica	1.8L 4-Cyl
	1990-1993	Toyota	Celica	2.2L 4-Cyl
	1994-1999	Toyota	Celica	2.2L 4-Cyl
	1990-1995	Toyota	MR 2	2.2L 4-Cyl
toy0839	1990-1993	Toyota	Celica	2.0L 4-Cyl
	1988-1991	Toyota	Corolla	1.8L 4-Cyl
	1992-1995	Toyota	Corolla	1.6L 4-Cyl
toy0876	1990-1995	Toyota	4Runner	2.4L 4-Cyl
toy0904	1986-1989	Toyota	4Runner v6	3.2L V-6
	1990-1995	Toyota	4Runner	3.0L V-6
toy0916	1990-1993	Toyota	Celica	2.0L 4-Cyl
	1990-1995	Toyota	MR 2	2.0L 4-Cyl
toy0977	1994-1999	Toyota	Celica	1.8L 4-Cyl
	1992-1995	Toyota	Corolla	1.5L 4-Cyl
	1996-2000	Toyota	Corolla	1.5L 4-Cyl
	1996-2000	Toyota	Corolla	1.6L 4-Cyl
toy1020	1992-1996	Toyota	Camry	3.0L V-6
	1997-2001	Toyota	Camry	3.0L V-6
	2001-2007	Toyota	Highlander	3.0L V-6
toy1038	1996-2002	Toyota	4Runner	3.4L V-6
	1995-2004	Toyota	Tacoma	3.4L V-6
	2002-2007	Toyota	Tundra	3.4L V-6
toy1079	1996-2002	Toyota	4Runner	2.4L 4-Cyl
	1995-2004	Toyota	Tacoma	2.7L 4-Cyl
	1995-2004	Toyota	Tacoma	2.4L 4-Cyl
toy1083	1997-2001	Toyota	Camry	2.2L 4-Cyl
toy1097	1995-1999	Toyota	Tercel	1.3L 4-Cyl
toy1193	2000-2006	Toyota	Celica	2.0L 4-Cyl
	2001-2006	Toyota	Corolla	1.8L 4-Cyl
toy1286	2001-2006	Toyota	Corolla	1.8L 4-Cyl
toy1424	1993-1998	Toyota	Supra	2.9L 6-Cyl
toy1428	1993-1998	Toyota	Supra Twin Turbo	2.9L 6-Cyl
toy6839	1988-1991	Toyota	Corolla	1.6L 4-Cyl

