State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-540-6

Relating to Exemptions Under Section 27156
of the Vehicle Code

Summit Industries, Inc.
Thorley 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 Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Thorley Headers, manufactured by Summit Industries, Inc. of 1200 West Railroad Street, Corona, California 92882, 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 following vehicle applications:

Part No.	Application	Engine Displacement
THY-511	2000 to 2004 Tacoma, 4Runner 2/4wd	2.4L & 2.7L
THY-509Y	2005 to 2011 Tacoma, 4Runner 2/4wd	2.7L
THY-507	1995 to 2004 Tacoma, 4Runner, T100, Tundra, 2/4wd	3.4L
THY-507-S	1995 to 2004 Tacoma, 4Runner, T100, Tundra, 2/4wd w/EGR	3.4L
THY-515	2005 to 2011 Tacoma, 4Runner, FJ Cruiser 2/4wd	4.0L
THY-508	2000 to 2004 Tundra 2/4wd	4.7L
THY-512	2005 to 2006 Tundra 2/4wd	4.7L
THY-514	2007 to 2011 Tundra 2/4wd	4.7L
THY-560Y	2007 to 2011 Tundra 2/4wd	5.7L

The Summit Industries, Inc.'s Thorley Headers are a shorty style header that is manufactured out of 14 gage mild steel with either a chrome or ceramic finish. The oxygen sensor is retained in the stock location and at a collector. The headers may include a connecting Y-pipe that is also manufactured out of 14 gage mild steel.

This Executive Order is valid provided that installation instructions for this device will not recommend tuning the vehicles to specifications different from those of the vehicle manufacturer.

This Executive Order shall not apply to any Summit Industries, Inc.'s Thorley Header 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 device, as exempt by the Air Resources Board, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of this device using any identification other than that shown in this Executive Order or marketing of this device 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 device may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on prior submitted emission test data generated on a 2007 model year Toyota Tundra, engine test group 7TYXT05.7BEV, certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) emission standards. Test results on the Tundra showed that emission levels, with Summit Industries, Inc.'s Thorley Headers installed, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycles. Examination of the OBD II system showed the Thorley Headers did not affect OBD II system operation. Results from emission testing conducted at Automotive Testing and Development Services, Inc., 400 South Etiwanda Avenue, Ontario, California 91761, are shown below, in grams per mile, with deterioration factors (df) applied.

	CVS-75 FTP			
	NMOG	CO	NOx	HCHO
Standards	0.040	1.7	0.05	0.008
Device Test	0.040	0.4	0.02	0.000

	US06	
	NMHC+NOx	CO
Standards 4k	0.60	11.8
Device	0.05	0.2

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 CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF SUMMIT INDUSTRIES, INC.'S THORLEY 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 ten days 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 will 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 28 day of June 2011.

Annette Hebert, Chief
Mobile Source Operations Division