State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-679-1

Relating to Exemptions under
Section 27156 of the Vehicle Code

Hug Filtersystems
Mobiclean R Advanced Diesel Particulate Filter

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 installation of the Mobiclean R Advanced diesel particulate filter, manufactured by Hug Filtersystems of 312 Mustang Mesa, Liberty Hill, Texas 78642, has been found not to reduce the effectiveness of the applicable engine emission control systems, and therefore, the Mobiclean R Advanced diesel particulate filter is exempt from the prohibitions in Section 27156 of the Vehicle Code for installation on heavy-duty on-road vehicles equipped with 1994 through 2006 model-year four-stroke, turbocharged diesel engines with horsepower ratings between 100 and 950.

The engines must be certified to 0.10 g/bhp-hr or lower particulate matter standard. This Executive Order applies to engines originally certified with a diesel oxidation catalyst but does not apply to any engines originally certified with other after treatment emission control systems such as a diesel particulate filter or a selective catalytic reduction system.

This Executive Order is only valid provided the engines meet the following operating conditions: (1) the engine exhaust temperature is greater than 200 degrees Celsius for at least 15 percent of the typical duty cycle and (2) the engine is operated using ultra-low sulfur diesel with a maximum sulfur content of 15 parts per million by weight.

Mobiclean R Advanced diesel particulate filters exempted under this Executive Order and their major components are identified in Attachment A.

This Executive Order is based on emission tests conducted by Hug Filtersystems with the Mobiclean R Advanced diesel particulate filter. Test data showed no adverse impact on engine emissions. The same emissions impact is expected when the Mobiclean R Advanced diesel particulate filter is installed on any of the engines listed above.

This Executive Order is valid provided that installation instructions for the Mobiclean R Advanced diesel particulate filter do not recommend tuning the engines to specifications different from those of the engine manufacturer.

Changes made to the design or operating conditions of the Mobiclean R Advanced diesel particulate filter, as exempted by the Air Resources Board, which adversely affect the performance of the engine's emission control system, shall invalidate this Executive Order.

Marketing of the Mobiclean R Advanced diesel particulate filter using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order shall not apply to any Mobiclean R Advanced diesel particulate filter advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order does not constitute any opinion as to the effect the use of the Mobiclean R Advanced diesel particulate filter may have on any warranty either expressed or implied by the engine manufacturer.

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.

In addition to the foregoing, 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 California Code of Regulations, Title 13, 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 HUG FILTERSYSTEMS' MOBICLEAN R ADVANCED DIESEL PARTICULATE FILTER.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive 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 Executive Order may not be revoked until a determination is made after a hearing that grounds for revocation exist.

Executed at El Monte, California, this 27 day of January 2011.

Annette Hebert, Chief
Mobile Source Operations Division

Attachment A

Mobiclean R Advanced Diesel Particulate Filter	
Type	Engine Horsepower
R8 Advanced	50-110
R13 Advanced	90-160
R16 Advanced	110-200
R20 Advanced	140-260
R26 Advanced	180-320
R32 Advanced	220-380
R40 Advanced	270-520
R50 Advanced	340-630
R65 Advanced	450-780
R80 Advanced	540-950

Mobiclean R Standard Round Version		
Quantity	Description	Part Number
1	SiC filter element	3040.0001
1	Inlet part (including DOC), version axial	3040-4000
1	Inlet part (including DOC), version radial	3040-4010
1	Outlet part, version axial	3041-6000
1	Outlet part, version radial	3041-6020
1	Dyntest AML-S data logger	0301-0005

Mobiclean R Short Version with Radial Outlet		
Quantity	Description	Part Number
1	SiC filter element	3050.0001
1	Inlet part (including DOC), version axial	3050-4000
1	Outlet part, version radial	3051-6000
1	Dyntest AML-S data logger	0301-0005