State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-161-61
Relating to Exemptions Under Section 27156
of the Vehicle Code

GALE BANKS ENGINEERING
Git, Stinger, Stinger-Plus and PowerPack Kits

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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Git, Stinger, Stinger-Plus and PowerPack kits, manufactured and marketed by Gale Banks Engineering, 546 Duggan Avenue, Azusa, California 91702 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 applicable 1999 ½ through 2001 model-year Ford trucks equipped with the 7.3L turbo-diesel engine, as listed in Exhibit A.

The Git-Kit includes the following main components: Tailpipe, muffler, and an engine calibration module.

The Stinger includes the following main components: A K&N style air filter to be installed in the stock air filter housing, a 3.5" diameter turbine outlet pipe manufactured out of 17 gage stainless steel to replace the factory turbine outlet pipe, a wastegate actuator, tailpipe, muffler, and an engine calibration module.

The Stinger-Plus includes the following main components: A K&N style air filter to be installed in the stock air filter housing, a 3.5" diameter turbine outlet pipe manufactured out of 17 gage stainless steel to replace the factory turbine outlet pipe, a wastegate actuator, the 1.15 A/R stock turbine housing is replaced with a 1.0 A/R turbine housing, tailpipe, muffler, and an engine calibration module.

The PowerPack includes the following main components: A K&N style air filter to be installed in the stock air filter housing, a replacement intercooler, a replacement intake plumbing, a 3.5" diameter turbine outlet pipe manufactured out of 17 gage stainless steel to replace the factory turbine outlet pipe, a wastegate actuator, the 1.15 A/R stock turbine housing is replaced with a 1.0 A/R turbine housing, tailpipe, muffler, and an engine calibration module.

This Executive Order shall not apply to any Gale Banks Engineering's Git, Stinger, Stinger-Plus and PowerPack Kits advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order is valid provided that the installation instructions for the Git, Stinger, Stinger-Plus and PowerPack Kits 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 Git, Stinger, Stinger-Plus and PowerPack Kits, 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 Git, Stinger, Stinger-Plus and PowerPack Kits using any identification other than that shown in this Executive Order or marketing of the Git, Stinger, Stinger-Plus and PowerPack Kits for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Git, Stinger, Stinger-Plus and PowerPack Kits shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect the use of the Git, Stinger, Stinger-Plus and PowerPack Kits may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data which showed that the PowerPack kit, did not adversely affect tailpipe emissions during comparative Cold Start 505 Federal Test Procedures. Results of the baseline and modified emission levels are listed below. A 2000 Ford F-350 with a 7.3L diesel engine, and certified to the low emission vehicle (LEV) emission standards was used as the test vehicle.

	HC	CO	NOx	PM	Opacity
Baseline	0.57	1.6	7.4	0.150	9.0%
Modified	0.43	1.5	7.4	0.115	16.9%
Difference	-0.14	-0.1	0.0	-0.035	

Test results during comparative Cold Start 505 Federal Test Procedure showed that exhaust emissions of the vehicle with the PowerPack kit installed did not cause exhaust emissions to exceed the baseline emissions by more than the allowed limits of 10 percent or 0.1 grams per mile on hydrocarbon (HC) and oxides of nitrogen (NOx), 15 percent or 1.0 grams per mile carbon monoxide (CO), and 15 percent or 0.03 grams per mile on PM as specified in the "Procedures for Exemption of Add-On and Modified Parts." Opacity test results which were generated using the highest reading on the Smoke Opacity Test were below the 40 percent standard.

This Executive Order is also based on the On Board Diagnostic II (OBD II) testing conducted on the same vehicle. Test data showed that the PowerPack when installed on the vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

In addition to the foregoing, the 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 GALE BANKS ENGINEERING'S GIT, STINGER, STINGER-PLUS AND POWERPACK KITS.

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 15th day of March 2001.

R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

PN	APPLICATION
47140	1999.5 F-250/350 AUTO GIT-KIT, FIF2/3, NSU2, NVK2/3
47141	1999.5 F-450/550 AUTO GIT-KIT, AGD2/3, CNH2/3, FHP2
47142	1999.5 F-250/350 MAN GIT-KIT, ATA2,BIS2,DAC2,QWL2,ZHL1
47143	1999.5 F-450/550 MAN GIT-KIT, NBD2, VXY2
47145	2000 F-250/350 AUTO GIT-KIT, NVK4, ZYS5
47146	2000 F-450/550 AUTO GIT-KIT, CNH4, FHP3
47147	2000 F-250/350 MAN GIT-KIT, ATA3, DAC3
47148	2000 F-450/550 MAN GIT-KIT, VXY3/4
47150	1999.5 F-250/350 AUTO STINGER, FIF2/3, NSU2, NVK2/3
47151	1999.5 F-450/550 AUTO STINGER, AGD2/3, CNH2/3, FHP2
47152	1999.5 F-250/350 MAN STINGER, ATA2,BIS2,DAC2,QWL2
47153	1999.5 F-450/550 MAN STINGER, NBD2, VXY2
47154	1999.5 F-250/350 AUTO STINGER, FIF2/3, NSU2, NVK2/3
47155	1999.5 F-450/550 AUTO STINGER, AGD2/3, CNH2/3, FHP2
47156	1999.5 F-250/350 MAN STINGER, ATA2,BIS2,DAC2,QWL2,ZHL1
47157	1999.5 F-450/550 MAN STINGER, NBD2, VXY2
47160	1999.5 F-250/350 AUTO STINGER-PLUS, FIF2/3, NSU2, NVK2/3
47161	1999.5 F-450/550 AUTO STINGER-PLUS, AGD2/3, CNH2/3, FHP2
47162	1999.5 F-250/350 MAN STINGER-PLUS, ATA2,BIS2,DAC2,QWL2
47163	1999.5 F-450/550 MAN STINGER-PLUS, NBD2, VXY2
47165	2000 F-250/350 AUTO STINGER, NVK4, ZYS5
47166	2000 F-450/550 AUTO STINGER, CNH4, FHP3
47167	2000 F-250/350 MAN STINGER, ATA3, DAC3
47168	2000 F-450/550 MAN STINGER, VXY3/4
47180	2000 F-250/350 AUTO STINGER-PLUS, NVK4, ZYS5
47181	2000 F-450/550 AUTO STINGER-PLUS, CNH4, FHP3
47182	2000 F-250/350 MAN STINGER-PLUS, ATA3, DAC3
47183	2000 F-450/550 MAN STINGER-PLUS, VXY3/4
47190	1999.5 F-250/350 AUTO STINGER-PLUS, FIF2/3, NSU2, NVK2/3
47191	1999.5 F-450/550 AUTO STINGER-PLUS, AGD2/3, CNH2/3, FHP2
47192	1999.5 F-250/350 MAN STINGER-PLUS, ATA2,BIS2,DAC2,QWL2,ZHL1
47193	1999.5 F-450/550 MAN STINGER-PLUS, NBD2, VXY2
47200	2000 F-250/350 AUTO GIT-KIT, AXD0/1, HQN0, MRT0, UKN0/1
47202	2000 F-250/350 MAN GIT-KIT, HMR0/1, XPC4
47204	2000 F-250/350 AUTO GIT-KIT, CNH5, NVK5
47205	2000 F-250/350 AUTO STINGER, AXD0/1, HQN0, MRT0, UKN0/1
47207	2000 F-250/350 MAN STINGER, HMR0/1, XPC4
47209	2000 F-250/350 AUTO STINGER, CNH5, NVK5
47210	2000 F-250/350 AUTO STINGER-PLUS, AXD0/1, HQN0, MRT0, UKN0/1
47212	2000 F-250/350 MAN STINGER-PLUS, HMR0/1, XPC4
47214	2000 F-250/350 AUTO STINGER-PLUS, CNH5, NVK5
47221	2000 EXCURSION AUTO STINGER, AXD0/1, UKN0/1
47222	2000 EXCURSION AUTO STINGER-PLUS, AXD0/1, UKN0/1
47223	2000 EXCURSION AUTO POWERPACK, AXD0/1, UKN0/1
47225	2000 EXCURSION AUTO STINGER, NVK4, ZYS5
47226	2000 EXCURSION AUTO STINGER-PLUS,NVK4, ZYS5
47227	2000 EXCURSION AUTO POWERPACK, NVK4, ZYS5

Exhibit A

47234	1999.5 F-250/350 AUTO POWERPACK, FIF2/3, NSU2, NVK2/3
47235	1999.5 F-450/550 AUTO POWERPACK, AGD2/3, CNH2/3, FHP2
47236	1999.5 F-250/350 MAN POWERPACK, ATA2,BIS2,DAC2,QWL2
47237	1999.5 F-450/550 MAN POWERPACK, NBD2, VXY2
47238	1999.5 F-250/350 AUTO POWERPACK, FIF2/3, NSU2, NVK2/3
47239	1999.5 F-450/550 AUTO POWERPACK, AGD2/3, CNH2/3, FHP2
47240	1999.5 F-250/350 MAN POWERPACK, ATA2,BIS2,DAC2,QWL2, ZHL1
47241	1999.5 F-450/550 MAN POWERPACK, NBD2, VXY2
47242	2000 F-250/350 AUTO POWERPACK, NVK4, ZYS5
47243	2000 F-450/550 AUTO POWERPACK, CNH4, FHP3
47244	2000 F-250/350 MAN POWERPACK, ATA3, DAC3
47245	2000 F-450/550 MAN POWERPACK, VXY3/4
47246	2000 F-250/350 AUTO POWERPACK, AXD0/1, HQN0, MRT0, UKN0/1
47248	2000 F-250/350 MAN POWERPACK, HMR0/1, XPC4
47250	2000 F-250/350 AUTO POWERPACK, CNH5, NVK5
47260	2001 F-250/350 AUTO GIT-KIT, BKA1, NMC1, PMT1
47261	2001 F-250/350 AUTO STINGER, BKA1, NMC1, PMT1
47262	2001 F-250/350 AUTO STINGER-PLUS, BKA1, NMC1, PMT1
47263	2001 F-250/350 AUTO POWERPACK, BKA1, NMC1, PMT1
47264	2001 F-250/350 AUTO GIT-KIT, BKA2, NMC2, PMT2
47265	2001 F-250/350 AUTO STINGER, BKA2, NMC2, PMT2
47266	2001 F-250/350 AUTO STINGER-PLUS, BKA2, NMC2, PMT2
47267	2001 F-250/350 AUTO POWERPACK, BKA2, NMC2, PMT2
47268	2001 EXCURSION AUTO STINGER, EBM1
47269	2001 EXCURSION AUTO STINGER-PLUS, EBM1
47270	2001 EXCURSION AUTO POWERPACK, EBM1
47271	2001 EXCURSION AUTO STINGER, EBM2
47272	2001 EXCURSION AUTO STINGER-PLUS, EBM2
47273	2001 EXCURSION AUTO POWERPACK, EBM2