

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-365-2

Relating to Exemptions Under Section 27156
of the Vehicle Code

Accessible Technologies, Inc.
P-1SC ProCharger and P600B Supercharger 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 P-1SC ProCharger and P600B Supercharger Kits manufactured and marketed by Accessible Technologies, Inc. of 14801 W. 114th Terrace, Lenexa, KS 66215 has been found not to reduce the effectiveness of required motor vehicle pollution control devices and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the Ford Motor Company vehicles listed in Exhibit A, **excluding any vehicle certified to Ultra Low Emission Vehicle (ULEV) or lower emission standards.**

The P-1SC ProCharger and P600B Supercharger Kits include the following main components: ProCharger supercharger unit, open element air filter, air-to-air intercooler (excluding kit numbers 1FA100-06S, 1FA100-09S, 1FB100-06S, and 1FB100-09S), fuel management unit, and in-line fuel pump. The following modifications are done to subject vehicles (where applicable): the stock air intake box assembly is replaced with the kits's open-element filter, the stock fuel pressure regulator is complemented with the high-pressure fuel management unit, the stock fuel pump is complemented with a high flow, high pressure unit fuel pump unit external to the fuel tank, and an air-to-air intercooler is placed in front of the vehicle to cool the pressurized air charge. The supercharger pulley specifications are listed in Exhibit A. All stock crankshaft pulleys are used and maximum boost ranges between 6 psi and 14 psi.

This Executive Order shall not apply to any P-1SC ProCharger or P600B Supercharger Kit 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 P-1SC ProCharger and P600B Supercharger 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 devices, as exempted by the Air Resources Board (ARB), that adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of these devices 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 ARB.

This Executive Order does not constitute any opinion as to the effect that the use of these devices may have on any warranty either expressed or implied by the vehicle manufacturer.

This exemption is issued based on submitted emissions test data from an independent laboratory on a 2001 model-year Ford F-150 vehicle (engine family 1FMXA05.4JFC) certified to the Low Emission Vehicle (LEV) standards:

	<u>NMOG</u>	<u>CO</u>	<u>NOX</u>	<u>HCHO</u>
Standards (g/mi)	0.160	4.4	0.4	0.018
Device (g/mi) with df's applied	0.098	2.4	0.1	0.001

Test results showed that the P-1SC ProCharger when installed on the vehicle did not cause tailpipe emissions to exceed the applicable emission standards during the Cold Start CVS-75 Federal Test Procedure. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The evaporative system monitor failed to set during the two Cold-Start CVS-75 FTPs, but did set following a modification of the intake air temperature sensor location. It was observed that the original installation location was too close to supercharger unit, causing the temperature of the sensor to exceed Ford's specified parameter range for the evaporative monitor to set. Consequently, the sensor location was moved approximately eight inches further away from the unit thereby allowing setting of the monitor. Accessible Technologies, Inc. has provided revised installation instructions reflecting the new location, as well as additional wiring and hardware to extend the length of the existing wire loom for the sensor. Test data showed that the P-1SC ProCharger and P600B Supercharger Kits when installed as aforementioned on the vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

However, the ARB finds that reasonable grounds exist to believe that use of P-1SC ProCharger and P600B Supercharger Kits may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the previously prescribed test procedures. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the P-1SC ProCharger and P600B Supercharger Kits adversely affects emissions during off-cycle conditions (defined as those

conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the P-1SC ProCharger and P600B Supercharger Kits will affect durability of the emission control systems, Accessible Technologies, Inc. shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on modified part demonstrates adequate durability.

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 THE P-1SC PROCHARGER AND P600B SUPERCHARGER KITS.

No claims 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 7th day of January 2002.



R. B. Sumnerfield, Chief
Mobile Source Operations Division

Exhibit A

(E.O. D-365-2)

<u>Model-Year</u>	<u>Model</u>	<u>Eng. Disp.</u>	<u>Kit Part Number</u>	<u>Pulley Size (in.)</u>	
				<u>P600B</u>	<u>P-1SC</u>
1997-2001	F-250	5.4L	1FG211-SCI	n/a	3.70
1997-2001	F-150	4.6L/5.4L	1FG211-SCI	n/a	3.70
1997-2001	Expedition	4.6L	1FG211-SCI	n/a	3.70
1997-2001	Navigator	4.6L/5.4L	1FG211-SCI	n/a	3.70
1986-1993	Mustang	5.0L	1FA100-06S	3.80	5.10
1986-1993	Mustang	5.0L	1FA100-09S	3.50	4.70
1986-1993	Mustang	5.0L	1FA100-09I	3.20	4.30
1986-1993	Mustang	5.0L	1FA100-11I	2.90	3.90
1986-1993	Mustang	5.0L	1FA100-14I	2.70	3.60
1994-1995	Mustang	5.0L	1FB100-06S	3.50	4.75
1994-1995	Mustang	5.0L	1FB100-09S	3.25	4.35
1994-1995	Mustang	5.0L	1FB100-09I	3.00	4.00
1994-1995	Mustang	5.0L	1FB100-11I	2.75	3.50
1994-1995	Mustang	5.0L	1FB100-14I	2.55	3.35
1994-1998	V6 Mustang	3.8L	1FD211-10I	n/a	3.40
1996-1998	Mustang GT	4.6L	1FD211-10I	2.95	3.40
1996-1998	Mustang Cobra	4.6L	1FC211-10I	3.20	3.90