

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-330-2
Relating to Exemptions Under Section 27156
of the Vehicle Code

SUPERCHIPS, INC.
Superchips

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 Superchips, manufactured and marketed by Superchips, Inc., 134 B Baywood Avenue, Longwood, Florida 32750 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 1994 to 1998 Ford vehicles equipped with the 4.6 or 5.4 liter engine, part numbers listed in Exhibit A.

Superchips computer chips are designed as a replacement to the factory computer chip located in the electronic control module (ECM). The new chip is part of an electronic module that plugs into the service port on the ECM. Changes to the Superchip computer chips are: timing is increased at part and wide open throttle, fuel is increased at wide open throttle, shift points are raised, and RPM and speed limit are modified. **Manufacturer recommends high octane fuel.**

This Executive Order is valid provided that the installation instructions for the Superchips 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 Superchips, 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 Superchips using any identification other than that shown in this Executive Order or marketing of the Superchips 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 Superchips may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data on a 1998 Mercury Navigator with a 5.4L engine. Testing consisted of a Cold Start CVS 75 Federal Test Procedures (in grams/mile) in the modified configuration emission levels:

	NMOG	CO	NOX	HCHO
Standard	0.195	5.0	0.6	0.022
Device w/dfs	0.09	1.1	0.14	0.002

Test results showed that tailpipe emissions with the Superchip on the trucks met the truck's applicable emission standard during a Cold Start CVS-75 Federal Test Procedure. This Executive Order is also based on On Board Diagnostic II (OBD II) testing conducted on the same truck. Test data showed that the Superchip when installed on the trucks did not affect the truck's ability to perform its OBD II monitoring.

The ARB finds that reasonable grounds exist to believe that use of the Superchip 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 Superchip adversely affect 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 Superchip will affect the durability of the emission control system, Superchips, 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 or modified part demonstrates adequate durability.

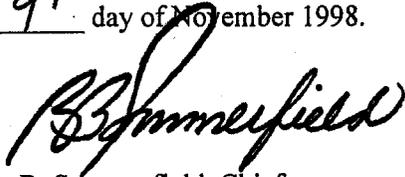
In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 SUPERCHIPS, INC.'S SUPERCHIPS.

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 9th day of November 1998.


R. B. Summerfield, Chief
Mobile Source Operations Division

Superchips Part #'s for 4.6L and 5.4L Fords

Year 1994

Engine 4.6L

Part #

AAM0	AAM1	BCH0
BCH1	CLL0	CLL1
DZK0	DZK1	EEE0
EEE1	SUU1	TTA1
TTA2	WCC0	WCC1
XYX0	XYX1	YZD0
YZD1	ZCN1	ZNP0
ZNP1		

Year 1995

Engine 4.6L

Part #

ACK1	ACK2	ACK3
ALB0	BBS2	BBS3
BCH2	BLD1	BLD2
BLD3	CCA0	CLL2
CLL3	CLL4	CZH1
CZH2	CZH3	DDX2
DOX3	DWX0	DXE1
DXE2	DXE3	EBP0
EBP2	EEE2	EEE3
EEE4	FOG3	FRS0
FRS2	FZP0	GAA0
GEE3	GGL2	GGL3
HAL2	HAL4	HPP2
HPP3	IMP2	IMP4
JUG3	JUG4	JZP2
JZP3	KFF2	KFF3
LEN4	LLX2	LLX3
MBE1	MBE2	NAB4
NPL1	NPL2	OAT4
PCL2	PCL3	SB80
SUU3	TAB2	TAB3
TLB2	TLE3	TTA3
VIA2	VIA3	VPX1
VPX2	VPX3	WCC2
WMP1	WMP2	WMP3
WWX0	WWX2	XXL2
XXL3	XXL4	YCL1
YCL2	YCL3	ZCN3
ZNP2	ZXA2	ZXA3
ZZX1	ZZX2	ZZX3

Year 1996

Engine 4.6L

Part #

ACK4	AMR1	AMR2
AMR3	BBS4	BLD4
BLX3	BLX4	BQQ1
CCA1	CZH4	CZZ1
CZZ2	DOX4	DXE4
DYA1	ERS1	EXL1
EXL2	FBA1	FLL2
FOG4	FTE0	GEE4
GGL4	GG51	HAL5
HPP4	IMP5	JJA2
JMK1	JUG5	JZP4
KBS1	KBS2	KBS3
KFF4	KSS1	KYZ4
LAU2	LAU3	LAU4
LEN5	LIC0	LLX4
LXF1	MBE3	MCC1
MXP2	MXP3	MXP4
NAB5	NLK2	NPL3
NPP1	OAT5	PAA0
PCL4	PZA2	PZA3
PZA4	RKK3	RKK4
RRX2	SLM3	SLM4
SQF0	SZC2	TAB4
TBL2	TLB4	TWA2
TWA3	TWA4	TYT0
VIA4	VPX4	VVE1
VVE2	WJJ2	WMP4
XXL5	XZA2	XZK1
XZK2	YCL4	YSL2
ZAF1	ZAF2	ZAF3

<i>Engine</i>	ZPL2	ZXA4	ZZX4
	<u>Part #</u>		
	ADX2	ADX3	BFM2
	BFM3	DJJ1	DJJ2
	DJJ3	ECP2	ECP3
	GZA2	GZA3	GZA4
	HLP1	HLP2	HLP3
	HLP4	PUU2	PUU3
	SKK2	SKK3	TMZ3
	VGL3	VWX3	XBQ2
	XBQ3	ZBS2	ZBS3

Year 1997

Engine 4.6L

Part #

ADE1	AJT0	AJT1
AOL0	AOL1	AOL2
AOL3	AYG0	BAI1
BHC0	BLX8	BQS1
BTC0	BZN1	BZN2
BZN3	BZN4	BZN6
BZN8	CCE0	CCE1
CCE2	CCE3	CCE4
CCE5	CLT1	CLU1
CPM0	CZZ4	DBZ1
DOK0	DOK1	DDK2
DOK3	DZY1	ECL1
EGE1	EMC0	ETA0
ETA1	ETA2	ETA3
ETA4	ETA5	EXL4
FAU1	FLC0	FLC1
FLC2	FLC3	FLC4
FLC5	FLC6	FOU1
FTE1	GAA1	GAA2
GDT1	GUK1	GXB0
HRR1	JJE0	JFL1
JTP0	KBS5	KHE1
KNA0	KTT0	KYZ5
KYZ6	LJC1	LJW0
LYA0	LZO1	LZO2
MCC2	MLV0	MLX0
MTT1	MTT2	NEY1
NPP2	PVL0	RHJ1
RHJ2	RII0	RII1
RKK6	RSA1	RSA2

RSA3	SLM5	SLM8
SXA1	SXA2	SYX0
SYX1	TFF0	TGG1
TGG2	TQW1	TQW2
TZO1	VFA1	VFA2
VTC1	VTC2	VTC3
VTC4	VTC5	VVE4
WMA1	WMA2	WWP1
WWP2	XDM1	XDX1
XDX2	XDX3	XDX4
XDX5	XTA1	XTA2
XZK4	YCU1	YCU2
YYA1	YYA2	YYA3
YYA4	YYA5	ZDM0
ZEA1	ZEA2	ZLTO
ZLZ1	ZLZ2	ZLZ3
ZLZ4	ZLZ5	ZRR0
ZYX0		

Engine 5.4L

Part #

ANQ1	ANQ2	BRR1
BRR2	CVQ1	CVQ2
DWW1	DWW2	ETY1
ETY2	FPF0	FSS1
FSS2	GQF0	HF10
KLX1	LTA0	MYM0
NNX0	PUU4	PUU5
RLM1	RLM2	RST1
SKK4	SKK5	TMZ4
TMZ5	VGL4	VGL5
VWX4	VWX5	XBQ4
XBQ5	ZBS4	ZBS5

Year 1998

Engine 4.6L

Part #

BZN7	BZN8	CCE8
DDK4	DDK5	ETA6
ETA7	FLC7	FLC8
JJE1	JTP1	KNA1
KTT1	NBC0	PEA0
RKMO	SAA0	VTC5
VTC7	XDX6	XDX7
YYA6	YYA7	ZLZ6
ZLZ7		

Engine 5.4L

Part #

AAF0	ABH0	ACR0
ATM0	RTT0	TPT0
VXX1	VXX2	WWW0