

BAYERISCHE MOTOREN WERKE AG

EXECUTIVE ORDER A-008-0162 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 & 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED:

That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	TEST GROUP	VEHICLE TYPE	EXHAUST EMISSION STANDARD CATEGORY	USEFU (mil	IN- COMP (*=N/A or A/E=ex	MEDIATE -USE -LIANCE -full in-use; h. / evap. late in-use)	FUEL TYPE			
2004	4BMXV02.2M5R	Passenger Car	Low Emission Vehicle (LEV)	EXH / ORVR	EVAP	EXH	EVAP	0 "		
			, ,	100K	100K	*	*	Gasoline		
No.	ECS & S	SPECIAL FEATURES	EVAPORATIVE	FAMILY (EV	AF)					
1	2TWC, 2HO	2S(2), SFI, AIR, OBD(P)		EVAPORATIVE FAMILY (EVAF) DISPLACEMENT (L) - 48MXR0136E46						
*		*		•						
•		*	*	2.2						
*		*								

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

That the exhaust and the evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's "NMOG Fleet Average" (PC or LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 2200 day of October 2003.

Allen Lyons, Chief

Mobile Source Operations Division

EXECUTIVE ORDER A-008-0162

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

(For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

AVERAG	E [g/mi]		PAF = *	NMOG or						14 hydrocarbo adjustment fac				
CERT	STD	NMOG	NMHC							eon-board refu mental federal			olumai+ ram; mg=mill i	gram
0.048	0.053	CERT [g/mi]	CERT [g/mi]	[g/mi]		g/mi]	NOx	[g/mi]	нсно	[mg/mi]	PM [Hwy NC	0x [g/mi]
A Commence	@ 50K		.5		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
		0.027	•	0.075	0.6	3.4	0.1	0.2	0.2	15,	*	*	0.0	0.3
	@ UL	0.029	<u> </u>	0.090	0.6	4.2	0.1	0.3	0.4	18.	*	*	0.0	
0	50°F & 4K	0.075	*	0.150	1.0	3.4	0.05	0.2	0.2	30.	*	*	*	0.4
0.0	ı/mil	机准定的		NMHC+NO		, CO [g/	mi]	NMHC+N	Ox	CO [g/mi]	NMF	IC+NOx	COI	a/mil

C	O [g/mi] 0°F & 50K			Ox [g/mi] posite)	CO [g/mi] oosite)		+NOx [US06]	CO [C+NOx ISC031	CO [g/mi]
	0 1 0 301	S Comment	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
CERT	2.2	SFTP @ 4000 miles	*	*	. * *	*	0.08	0.14	2.6	8.0	0.00	2.00		
STD	10.0	SFTP @ * miles	*	*			3.00	0.14	2.0	0.0	0.03	0.20	. 0.7	2.7
					i i		_	-		*	*		*	*

Evaporative Family		al + Hot Soak est) @ UL		al + Hot Soak est) @ UL		ig Loss tile) @ UL	On-Board Ref Recovery (gram	
	CERT	STD	CERT	STD	CERT	STD	CERT	STD
4BMXR0136E46	1.0	2.0	1.9	2.5	0.02	0.05	0.07	
*	*	*	*	*	*	*	0.07	0.20
*	*	*	*	*	*	*	-	
*	•	*		*	*	*		

* = not applicable; UL=useful life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; LVW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=ultra LEV; SULEV=super ULEV; TWC=3-way catalyst; ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust gas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; DGI=direct gasoline fuel injection; TC/SC= turbo/super charger; CAC=charge air cooler; OBD (F)/(P)=full/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallel; (2) suffix=series; CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85="85%" Ethanol Fuel;

2004 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	FAMILY	ECS NO.	ENGINE SIZE (L)	(*=N/A or : A/E=ext	LIANCE full in-use; n. / evap. ate in-use)	PHASE-IN STD.	OBD II
					EXH	EVAP		
BMW	320i	4BMXR0136E46	1	2.2	*	*	SFTP	Partial