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			HAUST EMISSION NDARD CATEGORY	L LIFE es)	IN- COMP (*=N/A or A/E≖ex	IEDIATE USE LIANCE full In-use; h. / evap. late In-use)	FUEL TYPE			
2007	-			EV II" Low Emission	EXH / ORVR	EVAP	EXH	EVAP	Gasoline		
	7BMXV01.6R52	Passenger Car		'ehicle (LEV II LEV)	120K	150K	*	<u> </u>			
No.	ECS & S	PECIAL FEATURES		EVAPORATIVE	FAMILY (EV			EMENT (L)			
1	WU-TWC,TW	C, HO2S(2), SFI, OBD(F)		7BMXR	0128E85						
2	WU-TWC, TWC, HC	28(2), SFI, SC, CAC, OBD(F)		· 1.6							
•		*			•						
		•			*						

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.

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 _____ day of December 2006.

Annette Hebert, Chief Mobile Source Operations Division

California Environmental Protection Agency AIR RESOURCES BOARD

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

eled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NMCROSCILCL CH4 RAF#* NMOG NMMC NMMC <th>V V</th> <th>or bi-, dual-</th> <th></th> <th>NOx=oxides of</th> <th>nitrogen;</th>	V V	or bi-, dual-													NOx=oxides of	nitrogen;		
CERT STD INMOG NMMC STD Immerite Ket flood miles Faceborer and standing for the field (mag/mil) PM [g/mil] Hwy Not [g/mil] 0.033 0.043 [g/mil] [g/mil] CERT STD CERT			NMOG @ CH4 R	RAF="			CH4=methane: NMOG=non-CH4 organic gas; NMHC=non-CH4 hydrocarbon; CO=carbon monoxide; NOx=oxides of nitrogen; HCH0=formaldehyde; PM=particulate matter; RAF=reactivity adjustment factor; 2/3 D (g/test)=2/3 day diurnat+ hCH0=formaldehyde; PM=particulate matter; RAF=reactivity adjustment factor; 2/3 D (g/test)=2/3 day diurnat+ hct-soak; RL [g/m]=running loss; ORVR (g/gallon dispensed]=on-board refuelting vapor recovery; g=gram; mg=milligram hot-soak; RL [g/m]=running loss; ORVR (g/gallon dispensed]=on-board refuelting vapor recovery; g=gram; mg=milligram											
0.037 0.043 CERT CERT Ig/mil CO (g/mil) TO CERT STD CERT	CERT					i mi=mile; K=1000 miles; F=00		r=degrees rainenten, c							Hwy NO	x [g/mi]		
U.3.7 U.S.S. U.M.S. U.M.S. U.M.S. U.M.S. U.M.S. U.M.S. V.M.S. V.S.		0.042			[g/mi]										CERT			
@ 50K 0.047 • 0.075 0.93 3.4 0.02 0.02 0.07 • 18. • 0.01 0.03 0.09 @ 01L 0.053 • 0.090 1.1 4.2 0.02 0.07 • 18. • 0.01 0.03 0.09 @ 01F8 At X 0.06 0.150 1.0 3.4 0.03 0.05 30. •	0.037	0,04-3	[g/mi]									15.	•	1.	0.03	0.07		
@ UL 0.053 · 0.090 1.1 4.2 0.02 0.05 · 30. · <td></td> <td>@ 50K</td> <td>0.047</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18.</td> <td>*</td> <td>0.01</td> <td>0.03</td> <td>0.09</td>		@ 50K	0.047									18.	*	0.01	0.03	0.09		
@ 50°F & 4.K 0.106 · 0.150 1.0 3.4 0.035 0.035 0.001 NMHC+NOx (g/mi) CO (g/mi) NMHC+NOx (g/mi) </td <td>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</td> <td>@ UL</td> <td>0.053</td> <td>*</td> <td>0.090</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td>1 .</td> <td>*</td> <td>*</td>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	@ UL	0.053	*	0.090								*	1 .	*	*		
CO [g/mi] @ 20'F & 50K NMHC-NOX [g/mi] (composite) CO [g/mi] [g/mi][US03] NMHC+NOX [g/mi][US03]		0 50°F & 4K	0.106	*	0.150	1.0	3.4	0.03							CO 1	almil		
@ 20 F8 50K CERT STD Ceraddite in thitein all all allite in the integet alite in	CO [g/mi]		10 10 10 10 V	1. 2 to 1			CO [g/ml] (composite)							ni] [SC03		03]		
ERT 2.2 SFTP @ 4000 miles ·									CERT	STD	CERT							
STD 10.0 SFTP @* miles ·<				000 miles		÷		•	0,03	0.14						2.1		
Bit Bit 3-Days Diurnal + Hot Soak (grams/test) @ UL 2-Days Diurnal + Hot Soak (grams/test) @ UL Running Loss (grams/mile) @ UL On-Board Refueling Vapor Recovery (grams/galion) @ UL CERT STD CERT STD CERT STD CERT STD 0.05 0.04 0.20 7BMXR0128E85 0.38 0.60 0.35 0.65 0.02 0.05 0.04 0.20 * • <td></td> <td>0</td> <td></td> <td></td> <td>•</td> <td>*</td> <td>+</td> <td>•</td> <td>•</td> <td>•</td> <td>*</td> <td>•</td> <td>•</td> <td></td> <td></td> <td></td>		0			•	*	+	•	•	•	*	•	•					
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CERT STD Outro 0.02 0.05 0.04 0.20 7BMXR0128E85 0.38 0.50 0.35 0.65 0.02 0.05 0.04 0.20 *	Evaporative Family								CERT		STD		CERT		STD			
7BMXR0128E85 0.38 0.50 0.33 0.00 0.00 <th0.00< th=""> 0.00 0.00</th0.00<>											0.05		0.04		0.20			
* * * * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useAl life; PC=passenger car; LDT=light-duty truck; MDV=medium; StJ=sequential MFT; Bi=trottel body injection; DGI=direct gasoline fuel Injection; # ADSWC=carge air cooler; OBD (F)/(P)=ful/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallet; (2) suffix=series; CNG/LNG= compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=35% Ethanol Fuel; ECS INFORMATION 2007 MODEL YEAR VEHICLE MODELS INFORMATION PHASE-IN OBD MAKE MODEL EVAPORATIVE FAMILY ECS IN USE NO. IN USE (L) PHASE-IN<	7BMXR0128E85										•		+					
* * * * * = not applicable; UL=useful life; PC=passenger car; LDT=tight-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; * = not applicable; UL=useful life; PC=passenger car; LDT=tight-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; LVW=loaded vehicle weight; ALVW=adjusted LVW; LEV=tow emission vehicle; TLEV=transitional LEV; ULEV=utra LEV; SULEV=super ULEV; TWC=3-way catalyst; LVW=loaded vehicle weight; ALVW=adjusted LVW; LEV=tow emission vehicle; TLEV=transitional LEV; ULEV=utra LEV; SULEV=super ULEV; TWC=3-way catalyst; ADSTWC=adsorbing TWC; WU=warm-up catalyst; CO=oxidizing catalyst; O23=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; CO=oxidizing catalyst; O23=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; CO=oxidizing catalyst; O23=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; CO=oxidizing catalyst; O23=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust Descent catalyst; CO=oxidizing catalyst; O2=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust Catal catal catal catal catalyst; CO=oxidizing catalyst; O2S=oxygen sensor, HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=xhaust Catal catal catal catal catal catal catal catal catal catalysts; CO=oxidized catalysts; CO=oxidized catal catalysts; CO=oxidi	••••••••••••••••••••••••••••••••••••••		·					•					•		*			
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