California Environmental Protection Agency AIR RESOURCES BOARD	DAIMLERCHRYSLER AG	EXECUTIVE ORDER A-003-0319 New Passenger Cars, Light-Duty Trucks
		and wedium-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 (mi	JL LIFE les}	INTERI IN- COMP (*=N/A or A/E=ex intermed	VEDIATE -USE 'LIANCE r full in-use; ch. / evap. liate in-use)	FUEL TYPE	
2007	7MBXT05.0L2A	LDT: 6001-8500# GVW, 3751-	"LEV II" Low Emission Vehicle (LEV II LEV)	EXH / ORVR	EVAP	EXH	EVAP	Gasoline (Tier 2	
	3/30# ALVW		120K	120K 150K		E	Unleaded)		
No.	ECS &	SPECIAL FEATURES	EVAPORATIVE	FAMILY (EV		DISPLACEMENT (L)			
1	2TWC, 2HO25	S(2), SFI, EGR, AIR, OBD(F)	7MBXR0	197LNC					
*		*		*					
*		*	*			5			
•		*							

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  $31^{56}$  day of May 2006.

Allen Lyons, Chief Mobile Source Operations Division

California Environmental Protection Agency AIR RESOURCES BOARD EXECUTIVE ORDER A-003-0319 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.)

NMOG FLEET NMOG   AVERAGE [g/mi] CH4   CERT STD NMOG		NMOG @ RAF=* CH4 RAF = * NMOG NMHC		CH4=met HCHO=fo hot-soak; mi=mile;	hane; NMOG prmaldehyde; RL (g/mi)=rur K=1000 miles	=non-CH4 PM=particu nning loss; ;; F=degree	organic gas ulate matter ORVR [g/g as Fahrenhe	s; NMHC=r ; RAF=rea allon dispe all; SFTP=:	non-CH4 hy clivity adjus nsed]=on-l supplement	drocarbor stment fact poard refut al federal	i; CO≖carbon tor; 2/3 D [g/te eling vapor re test procedur	monoxide; i est]=2/3 day covery; g=g e	NOx=oxides ( diumal+ ram; mg=mill	of nitrogen; igram	
0.057	7 0.055	CER I	ERI CERT		CO	) [g/mi]	ŇĊ	Dx [g/mi]	H	CHO [mg	/mi]	PM [g	/mi]	Hwy NO	Ox [g/mi]
Normalization - Tax	UKIN PART	[9/m]	- [Guini]		CERT	STD	CERT	T STI	D CE	RT	STD	CERT	STD	CERT	STD
	@ 50	K 0.025	*	0.075	0.7	3.4	0.04	0.0	5 0	.2	15.	•	*.	0.02	0.07
	@ L	L 0.036	*	0.090	1.1	4.2	0.06	0.0	7 0	.4	18.	*	*	0,04	0.09
	@ 50°F & 4	к *	+	*	*	*	*	*		•	*	*	*	*	*
C	0 [g/mi] 0°E & 50K			NMHC+N( (comp	Ox [g/mi] osite)	CO [g (comp	j/mi] osite)	NMHC [g/mi]	2+NOx [US06]	ວວ ບງ	[g/mi] \$06]	NMH [g/mi]	C+NOx [SC03]	CO [SC	[g/mi] C03]
				CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
CERT	0.8	SFTP @	4000 miles	*	*	*	*	0.06	0.40	0.8	10.5	0.01	0.31	0.4	3.5
STD	12.5	SFTP	@ * miles	*	*	*	*	*	*	*	*	*	*	*	*
E	Evaporative F	amily	3-Days Di (gram	iurnal + Hot ns/test) @ U	Soak L	2-Days Diu (grams	irnal + Ho s/test) @	ot Soak UL	F (gra	lunning l ams/mile	oss )@UL	( Re	On-Board covery (gi	Refueling \ ams/gallor	Vapor n) @ UL
			CERT	S	D	CERT	5	STD	CER	т	STD		CERT		STD
	7MBXR0197	LNC	0.51	0.	90	0.48	1	1.15	0.00	1	0.05		0.09		0.20
	*		*	,		*		•	*		*		*		*
	*		*		,	*		*	*		*		*		*
	*		*			*		*	*		*		*		*
														l	

\* = 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;

#### 2007 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	EVAPORATIVE FAMILY	ECS NO.	ENGINE SIZE (L)	INTERM IN- COMP (*=N/A or A/E=ex intermedi	IEDIATE USE LIANCE full in-use; h. / evap. ate in-use)	PHASE-IN STD.	OBD II
					EXH	EVAP		
MERCEDES-BENZ	ML 500 4MATIC	7MBXR0197LNC	1	5	4	Ę	SFTP	Full
MERCEDES-BENZ	R 500 4MATIC	7MBXR0197LNC	1	5		E	SFTP	Full

California Environmental Protection Agency	<b>-</b>	EXECUTIVE ORDER A-003-0323		
	DAIMLERCHRYSLER AG	New Passenger Cars, Light-Duty Trucks		
AIR RESOURCES BUARD		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.

MOI YE	DEL AR	L TEST GROUP (PC=passenger car; LDT=light-duty truck MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW) PC and LDT> 6 000 pounds GVW					EXHAUST CATEGOR vehicle; T ULEV=ultra I	EMISSION STANDA (LEV=low emis: LEV= transitional LEV LEV; SULEV=super UL	ARD sion ; EV)	EXHAUST&ORVR / EVAPORATIVE USEFUL LIFE (UL) (mlies)	FUEL TYPE {CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas}	
200	70	7MB)	(B03.5U2A	. (	PC and LUT> 6,000 pounds ( PC; LDT 3,751 – 5,750 pounds	GVW s LVW)		LEV II ULEV		120K / 150K	Gasoline (Tier 2 Unleaded)	
No.	EVAPORATIVE FAMILY (EVAF) No. EMISSION CONTROL SYSTEM					& MS (ECS)	* = not applicable	oc WL	:/TWC=oxidizing/3-way )= warm-up cat, 025/H	C=oxIdizing/3-way-cat. ADSTWC=adsorbing TWC		
1	7ME	3XR019	97LNC	1	2TWC, 2H	O2S(2),	AIR, SFI, OBD	(P)	AF	S/HAFS=air-fuel ratio s	ensor/heated AFS EGR=exhaust	
2		*	Å.	2		*			gas AlF	s recirculation AIR/PA MFI/SFI= multipor	R=secondary air injection/pulsed t fuel injection/sequential MFI	
3		*		3		*				l= throttle body injection C=charge air cooler	DB /E) / (P)=full /partial on-board	
4		*	20 20	4		*			dia	gnostic prefix 2≍para	liel (2) suffix=series	
EV/ No	AF ).	EC S No.	ENGIN E SIZE (L)		VEHICLE MAKES & MODELS	VEH	IICLES SUBJI NDARDS ARI	ECT TO SFTP UNDERLINED				
1		1	3.5			Mer	cedes Benz: (	LDT) ML 350 4MAT	C, R	350 4MATIC		
*		+	*	-	· · · · · · · · · · · · · · · · · · ·			*			······································	
*		*	*					*		n		
*	1	*	+					*				

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) 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 and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NMOG FLEET AVERAGE STD [g/mi] NMOG @ RAF= * CH4 RAF = *				CH4=methane NMOG=non-CH4 organic gas NMHG=non-CH4 hyd or nitrogen HCHO=formaldehyde PM=particulate matter RAF=re diurnal+hot-soak RL [g/mi]=running loss ORVR [g/gallon disper							carbon CO=carbon monoxide NOx=oxides of tivity adjustment factor 2/3 D [g/test]=2/3 day ad]=on-board refueling vapor recovery g=gram					
PC/LD	11 L	DT2	NMOG	NMHC	STD	mg=milli	gram mi	=ntnilåe K≃	1000 miles	5 F=d	legrees F	ahrenheit	SFTP=sup	plemental fe	derai test p	rocedure
0.04	3 0	055	LERI	CERI	[g/mi]	CC	) [g/mi]	N	Ox [g/ml]		нсно	mg/mi]	PM [	g/mi]	Hwy NO	x [g/mi]
			[8/m]	[âuui]		CERT	STD	CER	T ST	<u>p</u> (	CERT	STD	CERT	STD	CERT	STD
		@ 50K	0.026	*	0.040	0.7	1.7	0,03	0.0	15	0.2	8.	•	*	0.01	0.07
		@ UL	0,044	*	0.055	1.0	2.1	0.04	0.0	07	0.4	11.	*	*	0.01	0.09
	@ 50°J	8.4K	*	*	*	*	*	*	*		*	*	*	*	*	*
CO [ @ 20	g/ml] ≌F&	SFTP 1	= @ 4K (SUL V) or 50K (Ti	EV, ULEV, er 1, TLEV)	NMHC+N (comp	Ox [g/mi] osite)	CO (com	[g/mi] posite)	NMH [g/mi]	C+NOx [[US06]		CO [g/mi] [US06]	NM [g/n	HC+NOx ni] [SC03]	CO [S	[g/mi] C03]
50	K	SFTP 2	= @ UL (Tier	1, TLEV)	CERT	STD	CERT	STD	CERT	STD	CE	RT ST	D CER	T STD	CERT	STD
CERT	3.3		all all a	SFTP 1	*	*	*	+	0.08	0.14	2.	4 8.0	) 0.04	0.20	0.6	2.7
STD	10.0			SFTP 2	*	*	*	*	*	*	-	*	*	*	+	•
@.III	E٧	APORA	TIVE FAM	ILY 1	EVA	PORATIV	E FAMIL	Y 2	EVA	PORAT	rive fa	MILY 3	E	VAPORAT	VE FAMI	LY 4
	3-D	2-D	RL	ORVR	3-D	2-D	RL.	ORVR	3-D	2-D	RL	. ORV	R 3-D	2-D	RL	ORVR
CERT	0.51	0.48	3 0.001	0,09	*	+	+	+	*	+	*	*	*	*	*	*
STD	0.90	1.15	5 0.05	0,20	*	+	*	*	+	+	*	*	*	*	*	*

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], 1968.1 [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  $3/\frac{3}{2}$  day of May 2006.

). Hurenco Mallen Lyons, Chief Mobile Source Operations Division

California Environmental Protection Agency	DAIMLERCHRYSLER AG	EXECUTIVE ORDER A-003-0328 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	USEFL (mi	INTERI IN- COMP (*=N/A or A/E=ex Intermed	MEDIATE USE LIANCE full in-use; h. / evap. late in-use)	FUEL TYPE		
2007	7MBXV03.5S2A	Passenger Car	"LEV II" Super Ultra Low Emission Vehicle (LEV II	EXH / ORVR	EVAP	EXH	EVAP	Gasoline	
			SULEV)	150K	150K	A	*		
No.	ECS & S	PECIAL FEATURES	EVAPORATIVE	FAMILY (EV		DISPLACEMENT (L)			
1	2WU-TWC,2TWC, 2H	IO2S(2), SFI, AIR, DOR, OBD(F)	7MBXR0	168LNP					
*		*	*						
*		*	•			3.	5		
*		*	*						

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<sup>°</sup> 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).

#### **BE IT FURTHER RESOLVED:**

That the listed vehicle models are granted a partial zero-emission-vehicle (PZEV) allowance of 0.2 pursuant to 13 CCR Section 1962 (c)(2). The listed vehicle models are granted a 0.005 g/mi NMOG credit for all certification and in-use testing pursuant to 13 CCR Section 1961(a)(12) [direct ozone reduction].

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 May 2006.

Hen Lyons, Chief obile Source Operations Division

California Environmental Protection Agency

EXECUTIVE ORDER A-003-0328

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.) CH4=methane; NMOG=non-CH4 organic gas; NMHC=non-CH4 hydrocarbon; CO=carbon monoxide; NOx=oxides of nitrogen; HCHO=formaldehyde; PM=particulate matter; RAF=reactivity adjustment factor; 2/3 D [g/lest]=2/3 day diurnal+ hot-soak; RL [g/mi]=running loss; ORVR [g/gation dispensed]=on-board refueling vapor recovery; g=gram; mg=milligram mi=mile; K=1000 miles; F=degrees Fahrenheit; SFTP=supplemental federal test procedure NMOG @ RAF= CH4 RAF = \* NMOG FLEET NMOG or AVERAGE [g/mi] NMHC CERT STD NMOG NMHC STD CERT CERT HCHO [mg/mi] CO [g/mi] NOx [g/mi] PM [g/mi] Hwy NOx [g/mi] [g/mi] 0.036 0.043 [g/mi] [g/mi] CERT STD CERT STD CERT STD CERT STD CERT STD @ 50K 4 \* \* \* ٠ \* . \* \* ٠ ..... @ UL 0.007 \* 0.010 0.2 1.0 0.01 0.02 0.0 4. . \* 0.004 0.03 @ 50°F & 4K 1.0 0.01 0.02 0.0 0.016 0.020 04 8. NMHC+NOx [g/mi] NMHC+NOx CO [g/mi] NMHC+NOx CO [g/mi] [US06] CO [g/mi] CO [g/mi] @ 20°F & 50K [g/mi] [US06] (composite) [g/mi] [SC03] [SC03] (composite) CERT STD CERT STD CERT STD CERT STD CERT STD CERT STD CERT SFTP @ 4000 miles 0.01 0.14 0.01 0.20 2.7 2.6 0.7 8.0 0.2 STD 10.0 SFTP @ \* miles 3-Days Diurnal + Hot Soak 2-Days Diurnal + Hot Soak Running Loss **On-Board Refueling Vapor** (grams/test) @ UL (grams/test) @ UL (grams/mile) @ UL Recovery (grams/galion) @ UL **Evaporative Family** CERT STD CERT STD CERT STD CERT STD 7MBXR0168LNP 0.23 0.35 0.23 0.35 0.000 0.05 0.12 0.20 \* \* \* \* \* \* ٠ \* \* \* \* \* = 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=throttie body 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 2007 MODEL YEAR: VEHICLE MODELS INFORMATION INTERMEDIATE EVAPORATIVE COMPLIANCE FAMILY ENGINE ECS PHASE-IN (\*=N/A or full in-use; A/E=exh. / evap. OBD II MAKE MODEL SIZE NO. STD. (L) intermediate (n-use) EXH EVAP \* 7MBX201681 NP MERCEDES-BENZ E350 1 3.5 A SETP Full