	MORGAN MOTOR COMPANY	EXECUTIVE ORDER A-352-0004
- AIN NESCONCES BOARD	LIMITED	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	IL LIFE les)	INTERN IN- COMP (*=N/A or A/E=ex Intermed	MEDIATE USE LIANCE full in-use; h. / evap. iate in-use)	FUEL TYPE			
2005	5MMYV03.0LEV	Passenger Car	Low Emission Vehicle	EXH / ORVR	EVAP	EXH	EVAP	Gasoline (Tier 2			
			(==+)	100K 100K		*	•	Unleaded)			
No.	ECS & S	SPECIAL FEATURES	EVAPORATIVE	EVAPORATIVE FAMILY (EVAF) DISPLACEMENT (L)							
1	2TWC, 2HO	2S(2), SFI, EGR, OBD(P)	5MMYRC	150GAL							
+	-	•		•							
+		•	1	*				3			
*	·····	*		•							

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).

BE IT FURTHER RESOLVED:

That the listed vehicle models have been certified on the condition that the manufacturer provide all the on-board diagnostic data required by 13 CCR Section 1968.2 (h)(2.5) by January 16, 2006. Failure to submit the required demonstration data by the specified date, or failure of the submitted demonstration data to show compliance with the test procedures, shall be cause for the Air Resources Board to revoke this Executive Order and vehicles sold under the revoked conditional certification shall be deemed uncertified.

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 $2/2^{27}$ day of December 2005.

Rephart Summit

Allen Lyons, Chief للمر Mobile Source Operations Division

California Environmental Protection Agency AIR RESOURCES BOARD

EXECUTIVE ORDER A-352-0004

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

ATTACHMENT

Characterization Characterization Cert Stip and CERT in parentheses are those applicable to testing on gasoline test fuel. NMOG FLEET NMOG @ RAF=* NMOG @ RAF=* NMOG @ RAF=* NMOG CH4 RAF=* NMOG @ RAF=* <th< th=""><th colspan="12"></th></th<>																	
MMOG FLEET NMOG @ RAF=* NMOG of CH4 RAF =* NMHC NMMC NMHC NMHC NMMC NMHC NMMC	(For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on pasoline test fuel.)																
CERT STD NMOG 0.075 NMHC CERT NMHC CERT NMHC (g/m] NMHC (g/m] NMHC STD NMHC STD <	NMOG FLEET NMOG @ RAF=* AVERAGE [g/mi] CH4 RAF=* NMOG (NMOG o	CH4=met	hane: NMOC	3=non-CH4	organic ga	s; NMHC=n	ian-CH	4 hydrocarbon;	CO≈carbon	monoxide:		of nitronen:		
0.075 0.075 CERT CERT ig/mile CO [g/mil] NOX [g/mil] FT=supplemental tederal test procedure @ 50K 0.063 0.075 0.2 3.4 0.1 0.2 1.0 15. <	STD NM	RT S	NMOG	NMHC	hot-soak; RL [g/m]=runnalos; PM=particulate matter; RAF=reactivity adjustment factor; 2/3 D [g/test]=2/3 day diumat+ hot-soak; RL [g/m]=runnalos; ORVR [g/gallon dispensed]=on-board refueling vapor recovery; g=gram; mg=milligram										illigram		
@ 50K 0.063 • 0.075 0.2 3.4 0.1 0.2 1.0 15. • • 0.1 @ UL 0.072 • 0.090 0.3 4.2 0.1 0.3 1.0 15. • • 0.1 @ UL 0.072 • 0.090 0.3 4.2 0.1 0.3 1.0 18. • • 0.1 @ 50°F & 4K 0.053 • 0.150 1.0 3.4 0.04 0.2 1.0 30. • • 0.1 CO [g/ml] @ 20°F & 50K MHC+NOX [g/mi] (composite) CO [g/ml] (composite) NMHC+NOX [g/ml] [US06] US06] IMHC+NOX [g/mi] [g/ml] [SC03]	0.075 [g/)75 0.([g/ml]	[g/mi]	CEDT	CO [g/mi] NOx [g/mi] HCHO [mg/mi] PM [a/mi]						Hwy	Hwy NOx [g/mi]				
@ UL 0.072 * 0.090 0.3 4.2 0.1 0.3 1.0 15. * * 0.1 @ 50°F & 44K 0.053 * 0.150 1.0 3.4 0.04 0.2 1.0 18. * • 0.1 CO [g/mi] @ 20°F & 50K MMHC+NOX [g/mi] (composite) CO [g/mi] (composite) NMHC+NOX [g/mi] [US06] NMHC+NOX [g/mi] [SC03] CO [g/mi] [g/mi] [SC03] NMHC+NOX [SC03 CO [g/mi] [g/mi] [SC03] NMHC+NOX [g/mi] [SC03] NMHC	@ 50K 0.(6	K 0.063	*	0.075	0.2	3.4		STI		RT	STD	CERT	STD	CERT	STD	
CO [g/mi] 0.053 0.150 1.0 3.4 0.04 0.2 1.0 30. * 0.1 CO [g/mi] 0.053 * 0.150 1.0 3.4 0.04 0.2 1.0 30. *	@ UL 0.0		L 0.072	•	0.090	0.3	4.2	0.1	0.2		.0	15.			0.1	0.3	
CO [g/ml] @ 20°F & 50K NMHC+NOx [g/mi] (composite) CO [g/m] (composite) NMHC+NOx [g/ml] [US06] CO [g/ml] [US06] NMHC+NOx [g/ml] [SC03] CO [g/ [g/ml] [SC03] NMHC+NOx [g/ml] [SC03] CERT STD CERT STD <td>@ 50°F & 4K 0.0</td> <td>@ 50°F</td> <td>0.053</td> <td>+</td> <td>0.150</td> <td>1.0</td> <td>3.4</td> <td>0.04</td> <td>0.2</td> <td>1.</td> <td>.0</td> <td>30.</td> <td></td> <td>*</td> <td>0.1</td> <td>0.4</td>	@ 50°F & 4K 0.0	@ 50°F	0.053	+	0.150	1.0	3.4	0.04	0.2	1.	.0	30.		*	0.1	0.4	
W 20 P a solv CERT STD CERT	CO [g/mi]			NMHC+NOx [g/r (composite)		Ox [g/mi] osite}	ni] CO [g/mi] (composite)		NMH([g/mi]	HC+NOx		:0 [g/mi] [US06]	NMH	NMHC+NOx		CO [g/mi]	
CERT 1.1 SFTP @ 4000 miles * * * 0.13 0.14 0.3 8.0 0.01 0.20 0.01 STD 10.0 SFTP @ * miles * * * * 0.13 0.14 0.3 8.0 0.01 0.20 0.01 STD 10.0 SFTP @ * miles *		20'F & OUK			CERT	STD	CERT	STD	CERT	STD	CEF	RT STD	CERT	STD	CERT	STD	
SID 10.0 SFTP @ * miles *	<u>1.1</u> SFT	T 1.1	SFTP @ 4	4000 miles	•	*	*	*	0.13	0.14	0.:	3 8.0	0.01	0.20	0.01	27	
Evaporative Family 3-Days Diurnal + Hot Soak (grams/test) @ UL 2-Days Diurnal + Hot Soak (grams/test) @ UL Running Loss (grams/mile) @ UL On-Board Refueling Vag Recovery (grams/gallon) @ 5MMYR0150GAL 0.7 2.0 0.7 2.5 0.04 0.05 0.11 0.2 *	10.0	10.0	SFTP	@ * miles	•	•	•	•	*	*	*	•	+	•	*	*	
CERT STD CERT ST 5MMYR0150GAL 0.7 2.0 0.7 2.5 0.04 0.05 0.11 0.2 *	3-Days Diurnal + Hot Soak Evaporative Family (grams/test) @ UL			: Soak IL	2-Days Diurnal + Hot Soak (grams/test) @ UL			Running Loss On-Board Refueling Vapor (grams/mile) @ UL Recovery (grams/gallon) @ U						Vapor on) @ UL			
Other Intersection 0.7 2.0 0.7 2.5 0.04 0.05 0.11 0.7 *	EMM/VDod Co.O.A.		CERT	S1	D CERT		S	TD	CERT		STD		CERT		STD		
* not applicable; UL=useful life: PC=passenger card to T=light data targin ADM and targin ADM an	*		+	2	.0		2	.5	0.04		0.05		0.11	0.20			
* = not applicable; UL=useful life: PC=passepper car t DT=light data taula NDUcar t	*								· · · · · · · · · · · · · · · · · · ·		*		*		*		
* = not applicable: UL=useful life: PC=passenger car t DT=light due taudu NDM-end			•	+				•					t		*		
	plicable; UL=useful lif	t applicable;	useful life; PC	=passenger ca	r: LDT=light	-duty truck	· MDVame	dium dutere	i biolo: EC							*	
LWS=loaded vehicle weight; ALWS=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 / Hoeted AFS; EGR=exha gas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; TC/SC= turbo/super charger; CAO=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 LPG=liquefied petroleum gas; E85=*85% Ethanol Fuel																	
2005 MODEL YEAR: VEHICLE MODELS INFORMATION																	
MAKE MODEL EVAPORATIVE FAMILY ECS ENGINE COMPLIANCE NO. (L) A/E=exh. / evap. STD. O	MAKE MODEL				EVAPORATIVE FAMILY EC NC		EC: NO	S ENGINE SIZE (L)		INTER INTER COM (*=N/A (A/E=e Interme	INTERMEDIATE IN-USE COMPLIANCE (*=N/A or full in-use; A/E=exh. / evap. Intermediate in-use)		ASE-IN STD.	OBD II			
MORGAN ROADSTER 5MMYR0150GAL 1 3 * SFTP Pa	MORGAN ROADSTER						5MMYR0150GAL 1				3	EXH +	EXH EVAP		FTP	Partial	