

## DAEWOO MOTOR CO.

EXECUTIVE ORDER A-329-0021 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.

MODI		TEST GROUP			VEHICLE TYPE (PC=passenger car; LDT=light-du MDV=medium-duty vehicle; LVW vehicle weight; ALVW=adjusted	ity truck;	ATEGOR' vehicle: T	EMISSION STAND.  (LEV=low emis LEV= transitional LEV LEV; SULEV=super UI	slon /		FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)				
200		3DWXV02,0D03			PC			ULEV		100K / 100K					
No.		APORATIVE No.			SPECIAL FEA	TURES & . SYSTEMS (	ECS)	* = not applicable	- III \	NU= warm-up cat. O2S/	y cat. ADSTWC=adsorbing TWC HO2S=oxygen sensor/heated O2S				
1	3DWXR0095A0L			1	WU-TWC, TWC, HO2S(2), EGR, SFI, OBD (P)					NFS/HAFS=air-fuel ratio :	sensor/heated AFS EGR=exhaust NR=secondary air injection/pulsed				
2		•								AIR MFI/SFI= multip	ort fuel injection/sequential MFI				
3		•			*					CAC≖charge air cooler ⊸	tion TC/SC=turbo /super charger OBD (F) / (P)=full /partial on-board 2=parallel (2) suffix=series				
EVAF No.	1 7	ECS ENGINE VEHICLE No. SIZE (L) MAKES & MODELS S		VEHICL STANDA	HICLES SUBJECT TO SFTP ANDARDS ARE UNDERLINED			ABBREVIATIONS:							
1		1	2.0		•	DAEWOQ: NUBIRA NB, NUBIRA WAGON									
•		* *						•							

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.)

AVE	OG FL RAGE			RAF = 0.94 AF = *	NMOG or	or marager	1 6666	TORMAIDERV	ce PM=c	articulat	te matter	· RAFeres	enibe wilde	O=carbon n	2/2 D I-M-	-41-9 <i>1</i> 9 -1	
CER	CERT STD		NMOG	NMHC	NMHC STD	giumai+no mg=milligi	K-BOSK KI	- [Ֆայ]≖ւռո	ning loss 1000 miles	ORVR [	[g/gallon	dispensed] ahrenheit	≖on-board i	refueling var	Of recovery	a#aram	
0.06	8   1	0.062	CERT [g/mi]	CERT [g/mi]	[g/mi]		[g/mi]		x [g/mi]		HCHO	[mg/mi]		g/mi]	Hwy NO		
e marine						CERT	STD	CERT	STI		CERT	STD	CERT	STD	CERT	STD	
		@ 50K	0.018	*	0.040	0.5	1.7	0.03	0.2	!	0.4	8	•	*	0.02	0.3	
	1	@ UL	0.036	•	0.055	0.9	2.1	0.1	0.3		1	11	*	•	0.02	0.4	
	@ 50	°F & 4K	0.052	*	0.080	0.3	1.7	0.02	0.2		1	16	. +	•		*	
@ 20		LI LI	= @ 4K (SUL EV) or 50K (T	ier 1, TLEV)	NMHC+NC (compo				NMHC+No [g/mi] [US				NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]		
50	K	SFTP 2	= @ UL (Tier	1, TLEV)	CERT	STD	CERT	STD	CERT	STD	CE	RT STI	CER	T STD	CERT	STD	
CERT	3.3			SFTP 1	•		*	•	0.03	0.14	4.	6 8.0	0.05		1.4	2.7	
STD	10.0			SFTP 2	*	•	*	•	*	•	-	•	•	·	•	•	
@ UL	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2				EVA	EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-0	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVI		2-D	RL	ORVR	
CERT	0.7	1.0	0.02	0.02	•	•	•	*	•	*	+	*	+	+	+	*	
STD	2.0	2.5	0.05	0.20	•	•	*	•	•	*	<del>  •</del>	<del>  •</del>	<del></del>	<del></del>	+		

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], 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 conditionally certified in accordance with 13 CCR Section 1968.1(m)(6.2) (malfunction and diagnostic system) because the on-board diagnostic II system of the listed vehicle models has been determined to have three deficiencies. The listed vehicle models are approved subject to the manufacturer paying a fine of twenty-five dollars (\$25) per vehicle for the third deficiency in the listed test group that is produced and delivered for sale in California.

On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2003 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all vehicles covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5000 per vehicle pursuant to HSC Section 43154.

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 February 2003.

Allen Wons, Chief
Mobile Source Operations Division