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.

· · · · · · · · · · · · · · · · · · ·			(F	VEHICLE TYPE PC=passenger car; LDT=light-duty true	ck; STA	ANDA low en tional	ARD CATEGORY nission vehicle; TLEV: LEV: ULEV=uitra LEV;	EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)				
2003 3HNXV01.36CV		+	PC				150K: EXH/ORVR 150K: EVAF	Gasoline plus Battery-Assist					
EV	/APORA			SPECIAL FEATUR	ES & STEMS (ECS	5)	* = not applicable	OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC WU= warm-up cat. O2S/HO2S=oxygen sensor/heated O2S AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaus					
3HNXR0096BCA		1	WU-TWC, TWC, AFS	S, HO2S, EGF	R, SF	I, OBD (F)	recirculation AIR/PAIR=secondary air injection/puised AIR MF//SFi= multiport fuel injection/sequential MFI TBi= throttle body injection TC/SC=turbo /super charger CAC=charge air BODE direct OR reduction ORD (F) / (Pi=tuli /partial or						
	•		2		*								
	•	- 1			•				2=parallel (2) suffix=series				
F	ECS			VEHICLE MAKES & MODELS	VEHICLES S	SUBJ S AR	ECT TO SFTP	ABBREVIATIONS:					
-	NO.	No. SIZE (L)		INTO CO. III O CO.			<u>rid</u>						
	EL	EL TEST 3 3HNX EVAPORA FAMILY (E 3HNXR009	EL TEST GROUP 3 3HNXV01.36C EVAPORATIVE FAMILY (EVAF) 3HNXR0096BCA . F ECS ENGINI No. SIZE (L	EL TEST GROUP (F No. SIZE (L)) TEST GROUP (F NO. SIZE (L)) TEST GROUP (F NO. SIZE (L))	EL REST GROUP (PC=passenger car; LDT=light-duty tru MDV=medium-duty vehicle; LVW=load vehicle weight; ALVW=adjusted LVW 3 3HNXV01.36CV PC EVAPORATIVE No. SPECIAL FEATUR EMISSION CONTROL SY: 3HNXR0096BCA 1 WU-TWC, TWC, AF: 2 2 3 3 F ECS ENGINE No. SIZE (L) MAKES & MODELS	VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW) 3 3HNXV01.36CV PC EVAPORATIVE FAMILY (EVAF) 3HNXR0096BCA 1 WU-TWC, TWC, AFS, HO2S, EG 2	VEHICLE TYPE TEST GROUP (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW) 3 3HNXV01.36CV PC EVAPORATIVE FAMILY (EVAF) 3HNXR0096BCA 1 WU-TWC, TWC, AFS, HO2S, EGR, SF 2 3 VEHICLE VEHICLE VEHICLE SUBJ F ECS ENGINE NAKES & MODELS STANDARDS AR	VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW) 3 3HNXV01.36CV PC LEV II SULEV EVAPORATIVE FAMILY (EVAF) 3HNXR0096BCA 1 WU-TWC, TWC, AFS, HO2S, EGR, SFI, OBD (F) * 2 * * 3 * * * * * * * * * * * * * * *	VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW) 3 3HNXV01.36CV PC LEV II SULEV 150K; EVAPORATIVE FAMILY (EVAPORATIVE FAMILY (EVAPORATIVE FAMILY (EVAPORATIVE FAMILY (EVAPORATIVE SPECIAL FEATURES & * = not applicable EMISSION CONTROL SYSTEMS (ECS) 3 3HNXR0096BCA 1 WU-TWC, TWC, AFS, HO2S, EGR, SFI, OBD (F) * 2 ** * 3 ** *				

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 on Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. Since no NMOG RAF is adopted by the Air Resources Board for passenger car SULEVs, the manufacturer has agreed to a default value listed below.

NMOG FLEET AVERAGE [g/mi]			NMOG @ RAF = 1.00 CH4 RAF = "		NMOG or NMHC	nitrogen diurnai+ho	HCHO≕for t-soak R	maidenyde L [g/mi]=rur	nning loss	ORVR	g/gallon d	spensed	rbons CO=c vity adjustme]=on-board r SFTP=sup	efueling va	por recover	ry g=gram
CERT	STD		NMOG NMHC		STD				000 miles		F=degrees Fahrenheit HCHO [mg/ml]		PM [g/mi]		Hwy NOx [g/mi]	
0.046	0.062		CERT [g/mi]	CERT [g/mi]	[g/mi]	CERT	g/mij STD	CERT	STD	CEI		ТО	CERT	STD	CERT	STD
0.0-10			[8,,,,,]		+			+			•		•	*	•	*
	@ 5	_+	-	•			1.0	0.01	0.02	0.	1 .	4	•	•	0.005	0.03
	@	JL	0.006	•	0.010	0.1	1.0	- 0.01	0.02	+ -		- -+	•	•	•	•
	@ 50°F &	ıĸ	•	*	•	*	*	*					NALL	C+NOx	CO	[g/mi]
CO [a/mi] SFTP 1 = @ 4K (SULEY, ULEY			EV, ULEV,	(000			g/mi] posite)	NMHC+NO [g/mi] [US0				[g/mi] [SC03]		[S	C03]	
@ 20°F & # L 50K #SFTP:		LEV) (P2 = (EV) or 50K (Tier 1, TLEV) 2 = @ UL (Tier 1, TLEV)		CERT	STD	CERT	STD	CERT	STD	CERT	STE		STD	CERT	
				SFTP 1	•	٠	•	•	0.005	0.14	1.4	8.0	0.01	0.20	0.02	2.7
ERT	1.1							├ .	•					•		•
QT5	10.0	Salarana dara		SFTP 2					F1/A	OBATIV	E EAMI	V 3	E	VAPORA	ATIVE FAMILY 4	
	EVAP	ORAT	IVE FAN	MLY 1	EVAPORATIVE FAMILY 2				EVAPORATIVE FA			ORVE		2-D	RL	ORVE
UL	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVI	3-5	+	+	
ERT	0.15	0.18	0.003	0.06	•	*	•	*	•	•		<u> </u>		 	+ -	-
TD	0.35	0.35	0.05		+ +	*	*	•	*	*	*					

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).

BE IT FURTHER RESOLVED: That the listed vehicle models are permitted intermediate in-use compliance standards pursuant to 13 CCR Section 1961(a)(10).

BE IT FURTHER RESOLVED: The manufacturer has requested that the listed vehicles be conditionally certified as an advanced technology (AT) partial zero emission vehicle (PZEV) and determined to qualify for a baseline PZEV allowance of 0.2 and additional PZEV allowances under the amendments to 13 CCR Section 1962(c) that were referenced in the Air Resources Board's Resolution 03-04 adopted by the Board on April 24, 2003 (part of the 2003 Zero Emission Vehicle (ZEV) Amendments). This determination for PZEV qualification is conditional on these amendments being adopted by the Executive Officer and approved by the Office of Administrative Law (OAL), after which they will become effective. In the event these amendments do not become effective, any and all PZEV allowances accrued under this conditional certification will be null and void *ab initio* and the listed vehicles will be deemed instead as being certified to the exhaust and evaporative emission standards listed above but at a 120,000-mile useful life for purposes of the exhaust and ORVR emissions.

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. This Executive Order hereby supersedes Executive Order A-023-0353 dated December 19, 2002.

Executed at Sacramento, California on this 644 day of June 2003.

Catherine Witherspoon
Executive Officer