FORD MOTOR COMPANY

EXECUTIVE ORDER A-010-1049 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 and 39516 and Executive Order G-45-9;

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.

MODE YEAR		TEST GROUP 2FMXT05.4PF6			VEHICLE TYPE		HAUST EMISSION NDARD CATEGORY	. FUEL TYPE						
2002	2				3,751-5,750 Pounds Adjusted Loaded Vehicle V Medium Duty Vehicle	Veight LO	w Emission Vehicle (LEV)	Gasoline (Indolene)						
No.		EVAPORATIVE FAMILY (EVAP)		No.	SPECIAL FEA		* = not applicab	TWC = 3-way catalytic converter WUTWC = warm-up TWC ADSTWC = adsorber TWC OC = oxidatior catalytic converter O2S = oxygen sensor HO2S = heated O2S EGR = exhaust gas recirculation						
1	2FM)	XE015	5BAF	1	2TWC(2), 2	H02S(2), EGR, SFI								
2	2FMX	2FMXE0155BAG				*	AIR = secondary air injection PAIR = pulsed AIR MFI = multiport fuel injection SFI = sequential MFI TC/SC = turbo/super charger CAC = charge air cooler							
3		*				*								
4		*		4		*	OBD (F) / OBD (P) = on-board diagnosis; full / partial compliance (prefix) 2 = parallel (2) (suffix) = serie							
EVAF No.		ECS No.	ENGINE SIZE (L		VEHICLE MAKES & MODELS		IBJECT TO SFTP ARE UNDERLINED	ABBREVIATIONS						
1	1		5.4		Ford F-150 Pickup 2WD/4WD Short Wheelbase; F-150 Supercrew Pickup 2WD Short Wheelbase									
2		1 5.4			Ford F-150 Pickup 2WD/4WD Long Wheelbase									
1		1	4.6		Ford F-150 Pickup 2WD/4WD Short Wheelbase; F-150 Supercrew Pickup 2WD Short Wheelbase									
2		1 4.6			Ford F-150 Pickup 2WD/4WD Long Wheelbase									

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows. Any debit in the manufacturer's compliance plan for "NMOG Fleet Average" (passenger cars and light-duty trucks) or "Vehicle Equivalent Credit" (medium-duty vehicles) shall be equalized as required. The 50° Fahrenheit standard and CERT is a submitted below or compliance has been met based on the manufacturer's submitted compliance plan in lieu of actual testing.

NMOG FLEET AVERAGE [g/mi]			NMOG [g/mi] @RAF = 1.00		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											
CERT	STD		CH4 RAF = *		CO [g/mi]			NOx [g/mi]		HCHO [mg/mi]		PM [g/mi]			Hwy NOx [g/mi]	
*	*		CERT	CERT STD		STD	CE	ERT	STD	CERT	STD	CER	r s	TD	CERT	STD
	@	50K	0.087	0.160	1.0	4.4	O).2	0.4	1	18	*		*	0.1	0.8
K = 1000 miles	@ 1	@ 120K		0.230	1.2	6.4	0).3	0.6	1	27	•		*	0.2	1.2
	@ 50°F	, 4K	*	*	*	*		*	*	*	*	*		*	*	*
CO [g/mi] @ 20°F, 50K			g = g	ram milligram	NMHC+NOx [g/mi] (composite)] NM	NMHC+NOx [g/mi] [US06]		CO [g/mi] [US06]			NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
CERT	ERT STD			mi = mile		STD	CE	RT	STD	CERT	STD	CERT	S	TD	CERT	STD
5.4	12.9	12.5		@ 4K		*		*	*	*	•	*		*	*	*
F = degree	Fahrenhe	it	@ 120K		*	*		*	*	* *		*		*	*	*
@	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2 E			EV	EVAPORATIVE FAMILY 3			EVAPORATIVE FAMILY 4				
120K	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
CERT	1.3	1.0	0.01	*	1.3	1.0	0.01	*	*	*	*	*	*	*	*	*
STD	2.0	2.5	0.05	*	2.5	3.0	0.05	*	*	*	*	*	*	*	*	*
2-D, 3-D [g/	test] = 2-d	ay, 3-d	lay diurnal :	and hot-soak		RL [g/mi]	= runnin	g loss		ORVR [g/ga	allon of fue	l dispense	dì = on-be	oard refu	ueling vapo	r recoverv

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 (labeling), 1968.1 or 1968.1(m)(6.2) (on-board diagnostic systems; full or partial compliance), 2035 et seq. (emission control warranty), 2235 (fuel tank fill pipes and openings), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles).

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 October 2001

R. B. Summerfield, Chief Mobile Source Operations Division