

DAIMLERCHRYSLER AG

EXECUTIVE ORDER A-003-0240
New On-Road Heavy-Duty Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC) Division 26, Part 5, Chapter 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 engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZE (liter)	FUEL TYPE	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS			
2002	2MBXH12.8DJA	12.8	Diesel	Diesel	Heavy-Heavy-Duty			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		ENGINE MODELS / CODES (rated power in horsepower, hp)						
O2S TBi=thro SFi=sequentia TC/SC=turbo/ gas recirculat SP=smoke pu module EM=	orde body fuel injection MR alMFI DDI/IDI=direct /indiri super charger CAC=charg ion AIR=secondary air inje ff limiter ECMPCM=engin senging modification 2 (nove	TWC=three-way catalyst gen sensor HO2S=heated is-multiport fuel injection act diesel injection le air cooler EGR=exhaust	OM 460 LA / I (450 hp) / / VI (370 hp) /	OM 480 LA / I (450 hp) / II (435 hp) / IV (410 hp) / V (410 hp) / / VI (370 hp) / VII (350 hp)				

The following are the exhaust emission standards, or family emission limit(s) (FEL) as applicable, and certification levels for this engine family for hydrocarbons (HC) or non-methane hydrocarbons (NMHC), oxides of nitrogen (NOx), or NMHC+NOx, carbon monoxide (CO), particulate matter (PM), and formaldehyde (HCHO) in grams per brake horsepower-hour (g/bhp-hr) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)): (The emission standards and certification levels for default operations permitted under 13 CCR Section 1956.1 or 1956.8 are in parentheses.)

* = not applicable [g/bhp-hr]	HC	NMHC	NOx	NMHC+NOx	co	PM	нсно
(DIRECT) STANDARD	1.3	•	4.0	*	15.5	0,10	nono
CORPORATE AVERAGE STANDARD	*	•		 	10.0	0.10	
FAMILY EMISSION LIMIT (FEL)	*	•		•	•		
CERTIFICATION LEVEL	0.3	-	3.7	- -	1.9	0.08	•

BE IT FURTHER RESOLVED: That certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labeling), and 2035 et seq. (emission control system warranty).

Engines 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 December 2001.

R. B. Summerfield, Chief

Mobile Source Operations Division