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Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The 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 GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE FAMIL	ENGINE	FUEL TYPE	STANDARDS & TEST		ECS & SPECIAL FEATURES	DIAGNOSTIC ⁶ EMD			
YEAR		SIZES (L)		PROCEDURE	CLASS -	DDI, TC, CAC, ECM, EGR, OC,				
2012	CCEXH0408B	AN 6.7	Diesel	Diesel	UB-Hybrid	PTOX, SCR-U				
	ENGINE'S IDLE	5 ADDITIONAL IDLE EMISSIONS CONTROL								
E	XEMPT	EMPT N/A								
ENGINE (L	L)	ENGINE MODELS / CODES (rated power, in hp)								
6.7		ISB6.7 280 / 3073;FR92502 (270), ISB6.7 280 / 3632;FR92502 (270)								
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=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 85.abc; =liter, hp=horsepower, kw=kilowatt; hr=hour;

CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

2 L/M/H HDD=light/medium/heavy heevy-duty diesel; UB=urban bus; HDO=heavy duty Otto;

Lm/n HDU=lign/medium/neavy neavy-outy diesel; UB=uncan bus; HDU=neavy duty Otto;
ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) =warm-up catalyst; DFF=diesel perticulate filter, PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/ super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke putfi limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (cuffix)=in series; ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); Exempt=exempted per 13 CCR 1956.8(a)(6)(D) for CNG/LNG fuel systems; N/A=not applicable (.g., Otto engines and vehicles); EME=engine periodic feature; figurostic system; (13 CCR 1956.8(a)(6)(D) for CNG/LNG fuel system; (14 CCR 1951.8(a)); EME=engine periodic feature; figurostic system; (13 CCR 1956.8(a)(6)(D) for CNG/LNG fuel system; (14 CCR 1951.8(a)); EME=engine periodic feature; (15 CCR 1951.8(a));

EMD=engine menufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	0.33	0.33	*	*	*	*	*	*	*	*
CERT	0.03	0.005	0.20	0.12	*	*	0.00	0.00	0.007	0.000	*	*
NTE	0.:	21	0.	50		*	19	9.4	0.	02		*

g/bhp-hr=grams per brake horsepower-hour, FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions sting; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitroge (Rev.: 2007-02-26) CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: 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: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Sep. 27, 2010, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

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BE IT FURTHER RESOLVED: The listed engine models have been certified to operate in the primary intended service class for urban buses with the emission compliance useful-life of 435,000 miles, 10 years, or 22,000 hours, whichever occurs first. The listed engine models were designed by the engine manufacturer with an emissions compliance period of 185,000 miles. To demonstrate the useful life emissions compliance of the intended service class of an urban bus, the engine manufacturer shall provide a required service to the engine at, or about, 185,000 and 370,000 miles of the urban bus. The required service shall include a replacement engine, related parts and labor.

BE IT FURTHER RESOLVED: Each replacement engine may be: 1) a newly California certified urban bus engine of the model year in which the service interval occurs, 2) a new replacement engine in all material respects the same as the engines listed in this Executive Order, or 3) a newly remanufactured engine conforming to all specifications of the engines listed in this Executive Order or conforming to all specifications of newer model-year engines certified to the urban bus primary intended service class.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971 (engine manufacturer diagnostic) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must 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-021-0557 dated December 27, 2011.

Executed at El Monte, California on this / 5 day of January 2012.

nnette Hebert, Chief Mobile Source Operations Division