

Pursuant to the authority vested in the California 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-19-095;

**IT IS ORDERED AND RESOLVED:** The engines and emission control systems produced by the manufacturer as described below are certified 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	Combustion Cycle	Fuel Operation	Fuel Type(s)	Intended Vehicle Service Class	Intended GHG Vehicle Type
2024	RFMXE07.3BW7	Otto	Dedicated	Gasoline	Heavy-Duty	Vocational

Emission Control Systems	Special Features
[1]: Electronic Control Module (ECM), Three-Way Catalyst (TWC), Heated Oxygen Sensor (HO2S), Sequential Fuel Injection (SFI), Wide Range Heated Oxygen Sensor (WR-HO2S)	None

The certified engine models are attached.

The listed engine models comply with the following: 1) emission standard limits (STD) as demonstrated on the Federal Test Procedure (FTP) cycle and 2) Conformity Factors (CF) as demonstrated using the Moving Average Window (MAW), as applicable, for exhaust criteria pollutants non-methane hydrocarbons (NMHC), nitrogen oxides (NOx), Formaldehyde (HCHO), carbon monoxide (CO), and particulate matter (PM), and for exhaust greenhouse gas (GHG) pollutants carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O), as set forth in 13 CCR 1956.8 and the applicable California test procedures for heavy-duty Otto cycle engines, 2) family emission limits (FEL) and family certification levels (FCL) declared by the manufacturer as allowed by the applicable California test procedures, stated in units of gram per brake horsepower-hour (g/bhp-hr), except as noted, or designated as not applicable (\*).

Applicable Standard		Criteria					GHG		
		NMHC	NOx	CO	PM	HCHO	CO2	CH4	N2O
Heavy-Duty Otto Ultra-Low-Emission Vehicle	STD	0.14	0.050	14.4	0.005	0.01	627	0.10	0.10
	FEL	*	0.055	*	*	*	*	*	*
	MAW CF	2.0	2.0	2.0	2.0	*	*	*	*

**BE IT FURTHER RESOLVED:** Any declared FEL or FCL is the emission limit to which all engines must comply in lieu of the standard limit for certification purposes, subject to the restrictions of averaging, banking, or trading (ABT) programs allowed by the applicable California test procedures.

**BE IT FURTHER RESOLVED:** For the listed engine models the manufacturer has submitted materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971.1 (on-board diagnostic, full or partial compliance), and 13 CCR 2035 et seq. (emission control warranty).

**BE IT FURTHER RESOLVED:** The listed engine models are certified in accordance with 13 CCR Section 1971.1(k) (deficiency and fines provisions for certification of heavy-duty on-board diagnostic (HD OBD) systems with identified deficiencies) and Health and Safety Code Section 43154.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 4th day of December 2023.



Robin U. Lang, Chief  
 Emissions Certification and Compliance Division

**ATTACHMENT: ENGINE MODELS**

Family: RFMXE07.3BW7 EO Number: A-010-2495 Date Applicable: 11/17/2023

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	hp	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke	-	-	-
Super Duty	RTFHJ0NN		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
Medium Duty	RTBCJ0NN		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
E-Series	RTE4J0NY		V8	7.3	325	3800	101	450	3800	101	1	Vocational	
Super Duty	RTFHJ0NP		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
Super Duty	RTFHJ0NS		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
E-Series	RTE4J0NE		V8	7.3	325	3800	101	450	3800	101	1	Vocational	
Super Duty	RTFHJ0NR		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
Medium Duty	RTBCJ0NM		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
Medium Duty	RTBCJ0NL		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
Motorhome Stripped Chassis	RTY3J0NW		V8	7.3	335	3750	102	468	3750	102	1	Vocational	
E-Series	RTE4J0ND		V8	7.3	325	3800	101	450	3800	101	1	Vocational	
Commercial Stripped Chassis	RTY3J0NV		V8	7.3	335	3750	102	468	3750	102	1	Vocational	