

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 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 following on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

**VEHICLE FAMILY INFORMATION:**

Model Year: 2023

Vehicle Family Name: PFMX2VOCV4AA

Vehicle Type: Vocational

Vehicle Service Class: Light HDV

Vehicle Subcategory: Light HDV / Otto / Regional

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds):  $10,000 < \text{GVWR} \leq 19,500$

**CO<sub>2</sub> FAMILY EMISSION LIMITS:**

CO<sub>2</sub> Standard (g/ton-mile): 335

Highest Projected Family Emission Limit (g/ton-mile): 349

Lowest Projected Family Emission Limit (g/ton-mile): 340

**EMISSION CONTROL SYSTEMS:**

Low rolling resistance tires all (LRRRA)

**BE IT FURTHER RESOLVED:** The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

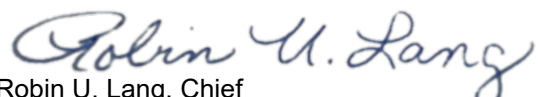
**BE IT FURTHER RESOLVED:** For the listed air conditioning platform(s) in the attachment, the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended September 9, 2021.

**BE IT FURTHER RESOLVED:** For the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1978 (complete vehicles) (vehicle refueling emissions standards), and 13 CCR 2035 et seq. (emission control warranty).

**BE IT FURTHER RESOLVED:** The engine families that are approved for installation within the vehicle family are listed in the attachment.

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

Executed on this 23rd day of January 2023.

  
Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Vehicle Make and Models:****Vehicle Make**

Ford

Ford

**Models**

E-350, E-450

Motorhome Stripped Chassis (Incomplete vehicle)

**Engine Families in Vehicle Family:**

PFMXE07.3BWU

PFMXE07.3BW7

**A/C Platform Summary:**

<b><u>A/C Platform ID</u></b>	<b><u>Refrigerant Type</u></b>	<b><u>Refrigerant Capacity (g)</u></b>	<b><u>STD (HFC (g/year))</u></b>	<b><u>Leakage Rate (HFC (g/year))</u></b>
E-Series, 7.3L GAS, Aux	R-134a	1531	23.0	10.4
E-Series, 7.3L GAS, Non	R-134a	850	12.8	9.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Thor Motor Coach	R-134a	1248	18.7	12.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Tiffin	R-134a	1270	19.1	13.4
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Winnebago	R-134a	1134	17.0	12.9
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Forest River	R-134a	1248	18.7	12.4
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Jayco Bergstrom	R-134a	1134	17.0	12.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Jayco ProAir	R-134a	1248	18.7	12.4
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis Newmar AC	R-134a	1248	18.7	12.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C, Ford Chassis REV	R-134a	1248	18.7	12.4
E-Series, 7.3L GAS, Incomplete A/C, to be completed by Morgan Olson	R-134a	907	13.6	12.8
E-Series, 7.3L GAS, Incomplete A/C, to be completed by Thor Proair	R-134a	929	13.9	13.9
E-Series, 7.3L GAS, Incomplete A/C, to be completed by Utilimaster	R-134a	1021	15.3	13.2
Motorhome Stripped Chassis, Hometown Trolley 190 & 208 Chassis Front	R-134a	3175	47.6	22.6
Motorhome Stripped Chassis, Hometown Trolley 190 Chassis Rear	R-134a	2722	40.8	19.7
Motorhome Stripped Chassis, Hometown Trolley 208 Chassis Rear	R-134a	2722	40.8	19.9