

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: 2022

Vehicle Family Name: NFMX2VOCV4AA

Vehicle Type: Vocational

Vehicle Service Class: Light HDV

Vehicle Subcategory: Light HDV / Otto / Regional

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds): 10,000 < GVWR ≤ 19,500

CO₂ FAMILY EMISSION LIMITS:

CO₂ Standard (g/ton-mile): 335

Highest Projected Family Emission Limit (g/ton-mile): 339

Lowest Projected Family Emission Limit (g/ton-mile): 327

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 June 27, 2019.

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 June 27, 2019.

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 4th day of January 2022.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Vehicle Make and Models:**Vehicle Make**

Ford

Models

E-350/E-450 (Incomplete Vehicle), Motorhome Stripped Chassis (Incomplete Vehicle)

Engine Families in Vehicle Family:

NFMXE07.3BWU NFMXE07.3BW7 NFMXE07.3BV2 NFMXE07.3BX4

A/C Platform Summary:

<u>A/C Platform ID</u>	<u>Refrigerant Type</u>	<u>Refrigerant Capacity (g)</u>	<u>STD (HFC (g/year))</u>	<u>Leakage Rate (HFC (g/year))</u>
VN127 V8 Gas Aux prep pack	R-134a	1531	23.0	10.4
VN127 V8 Gas Front only system	R-134a	850	12.8	9.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Hometown Trolley 190 and 208 Front	R-134a	2722	40.8	22.5
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Hometown Trolley 190 Rear	R-134a	2722	40.8	19.7
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Hometown Trolley 208 Rear	R-134a	2722	40.8	19.9
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Advance Green	R-134a	1248	18.7	11.9
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Pro Air	R-134a	1248	18.7	11.9
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Tiffin	R-134a	1270	19.1	13.3
Motorhome Stripped Chassis, 7.3L GAS, Incomplete A/C,Winnebago	R-134a	1134	17.0	12.9
E-Series, 7.3L GAS, Incomplete A/C,Morgan Olson	R-134a	907	13.6	13.5
E-Series, 7.3L GAS, Incomplete A/C,Thor Proair	R-134a	1248	18.7	12.7
E-Series, 7.3L GAS, Incomplete A/C,Utilimaster	R-134a	1021	15.3	13.2