

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-235-15
Relating to Certification of New Motor Vehicles

UTILIMASTER MOTOR CORPORATION

Pursuant to the authority vested in the Air Resources Board by the 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Utilimaster Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: LZ12.5T5FA34 Displacement: 2.5 Liters (152 Cu. Inches)
Equipped with the following exhaust emission control systems:

- Heated Oxygen Sensor
- Three-Way Catalyst
- Exhaust Gas Recirculation
- Throttle Body Electronic Fuel Injection
- On-Board Diagnostic System

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

| <u>Loaded Vehicle Weight(lbs.)</u> | <u>Hydrocarbons (Grams per Mile)</u> | <u>Carbon Monoxide (Grams per Mile)</u> | <u>Nitrogen Oxides (Grams per Mile)</u> |
|------------------------------------|--------------------------------------|---|---|
| 0-3750 | 0.41 | 9.0 | 1.0 |

The following are the certification emission values for this engine family:

| <u>Loaded Vehicle Weight(lbs.)</u> | <u>Hydrocarbons (Grams per Mile)</u> | <u>Carbon Monoxide (Grams per Mile)</u> | <u>Nitrogen Oxides (Grams per Mile)</u> |
|------------------------------------|--------------------------------------|---|---|
| 0-3750 | 0.36 | 6.1 | 0.7 |

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard under small-volume manufacturer provisions.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

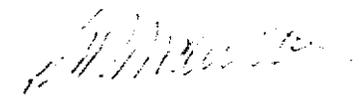
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions of California Health and Safety Code Section 43205.

Vehicles 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 order and attachment.

Executed at El Monte, California this 25th day of April, 1990.


K. D. Drachand, Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-235-15

Page 1

Passenger Cars _____ Light-Duty Trucks xxx Medium-Duty Vehicles _____ Gas xxx Diesel _____

Manufacturer Utilimaster Motor Corp. Engine Family LZ12.5T5FA34

Displacement (CID) 2.5 (152) Evap. Family: KZ1A3 Eng. Type Otto Spark, In-line 4 cyl, OHC

Emission Control Sys. (Special Features) EGR, TWC, TBL, HOS, OBD

Engine: Front

Drive: FWD

| Engine Code | Vehicle Models (If Coded see attachment) (Dyno Hp) | Trans. Type | Equiv. Test Weight | Ign. System (ECU) Part No. | Fuel System Part No. | EGR Valve Part No. | Catalyst Part No. |
|-------------|--|-------------|--------------------|-----------------------------------|--|---------------------------|--------------------------|
| Z1A3FBH | 17.3 | A3 | 3750 | 5234661 | Injector 04418118 04418269 04418550 Throt. Body 04307264 04459263 Air Intake Sensor 04306070 | 4287175 | 4427175 |

Comments: See page one for abbreviations and evaporative emission family identification. Refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.