State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-237-7
Relating to Certification of New Motor Vehicles

ZIMMER MOTOR COACH 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 1987 model-year Zimmer Motor Coach Corporation exhaust emission control systems are certified as described below for gasoline-powered medium-duty vehicles:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
HZM2.6T6FXX7	159 (2.6)	Three-Way Catalyst Oxygen Sensor (Mechanical Fuel Injection)

Vehicle models, transmissions and engine codes are listed on attachments.

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

The following are the emission standards for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
6000 & larger	0.60	9.0	1.5

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
6000 & larger	0.42	2.9	0.8

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 Administrative Code, 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 1981 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 Administrative Code, Section 1965) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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 26th day of August, 1986.

K. D. Drachand, Chief
Mobile Source Division

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Zimmer Motor Coach Corp

Executive Order No. A-237-7

Engine Family HZM2.6T6FXX7

Evaporative Family DZM2.6T6FXX3

Engine CID (Liters) 159 (2.6)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three-Way Catalyst System

Special Feat

CCV-Combusti Chamber
CFI-Central Injecti
DID-Diesel Injecti Direct
DIP-Diesel Injecti Precham
EFI-Electron Fuel Injecti
MFI-Mechanic Fuel Injecti
TC-Turbocharg

VEHICLE MODELS:

ASTRON, Merchandiser, and Chief Executive.

DRIVE SYSTEM: FRONT (N-S) Engine/ FRONT -Wheel Drive

E.O. # A-237-7

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

__ Passenger Cars __ Light-Duty Trucks X Medium-Duty Vehicles x Gas

Manufacturer Zimmer Motor Coach Corporation

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Engine Family HZM2.6T6FXX7

Engine Code

ECS (Special Features) TWC-CL(MFI)

CID (Liter)-Type 159 (2.6)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System VA-CA-E1 Part No.	Fuel System MFI Part No.	EGR Valve NONE Part No.
83A	ASTRON MERCHANDISER CHIEF EXEC.	A-3	6500	ECU Bosch 0280 800 050	Fuel Pump Bosch 0580 254 984 Injectors Bosch 0437 502 010	N/A

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

*Add 10% to dyno test HP for air conditioning usage.