

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-132-2
Relating to Certification of New Motor Vehicle Engines

MASCHINENFABRIK AUGSBURG-NÜRNBERG AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Maschinenfabrik Augsburg-Nürnberg AG 1981 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
BMA11.4FPA1 (D2566MLUM)	696.46 (11.4)	(Aftercooled) (Smoke Puff Limiter) (Turbocharged)

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
BMA11.4FPA1 (D2566MLUM)	0.6	2	5.0

BE IT FURTHER RESOLVED: That Maschinenfabrik Augsburg-Nürnberg AG has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines 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 10th day of July, 1981.

A handwritten signature in cursive script that reads "Robert Cross".

K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Maschinenfabrik Augsburg-Nurnberg AG Executive Order No. A-132-2 Page 1
 Engine Family BMA11.4FPA1 (D2566 MLUM) Evaporative Family --
 Engine CID (Liters) 696.46 (11.4)

ABBREVIATIONS

Ignition System

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

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 Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DID-Diesel Injection-System
 DIP-Diesel Injection-Prechamber
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

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

Model

D 2566 MLUM/CA

DRIVE SYSTEM:

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Maschinenfabrik Augsburg-Nürnberg AG

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Engine Family BMA11.4FPA1 (D 2566 MLUM) CID(Liter)-Type 696.46 (11.4) L-6

ECS(Special Features) (Aftercooled, Smoke Puff Limiter, Turbocharged)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm ³ /stroke	Label Ident.
D 2566 MLUM/CA	Robert Bosch PES 6 P 110 A 720 LS 360	Robert Bosch DLLA 30 S 887	300 @ 2200	162	51.97871- 0090

Date of Issue -