EO Book



State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-282-1
Relating to Certification of New Modifier Certified Motor Vehicles

K & E INTERNATIONAL AUTO CONSULTANTS

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 K & E International Auto Consultants emission control systems are certified in California as described below for gasoline-powered passenger cars which are designated as 1987 model-year vehicles by the regulations:

| Engine Family | Displacement Cubic Inches (Liters) | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| HK13.0V6FC58 | 159/181 (2.6/3.0) | Dual Warm-Up Three-Way Catalysts<br>Three-Way Catalyst<br>Heated Oxygen Sensor<br>(Mechanical Fuel Injection) |

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

The following are the emission standards for this engine family:

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per mile |
|---|---|---|
| 0.41 | 7.0 | 0.7 |

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

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 0.35 | 4.9 | 0.2 |

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code 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 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 the Executive Officer has been provided evidence of service facilities in each of the seven major urban areas in California;

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of a one thousand dollar ($1,000.00) time deposit account payable to the Air Pollution Control Fund for the duration of the recall period for each vehicle produced which will provide for the execution of an ordered recall pursuant to Title 13, California Administrative Code Sections 2111, 2112 and 2113.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the prepaid warranty insurance policy to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq. and Health and Safety Code Section 43204).

BE IT FURTHER RESOLVED: That the Non-USA Certificate Document of Compliance forms are to be issued for each certified vehicle with the unused forms to be returned to the Executive Officer at the termination of the certification authority granted herein or any subsequent executive order.

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

The Bureau of Automotive Repair and the Department of Motor Vehicles will be notified by copy of this order and attachment.

Executed at El Monte, California this 18 day of July, 1987.

K. D. Drachand, Chief
Mobile Source Division

# 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET



Manufacturer K & E INTERNATIONAL

Executive Order No. A-282-1

Engine Family HK3.0V6FC58

Evaporative Family HMBV6

Engine CID (Liters) 159/181 (2.6/3.0)

**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 Features**

CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DID-Diesel Injection Direct
DIP-Diesel Injection Prechamber
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharge

**VEHICLE MODELS:** 300 E, 300SE, 300TE, 300SL
260E, 260SE

**DRIVE SYSTEM:** Front Engine/ Rear -Wheel Drive

122182

E.O. #A -282-1

# 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel

Manufacturer K & E INTERNATIONAL

Page 2

Engine Family HK13.0V6FC58

Engine Code M103

ECS (Special Features) CL,TWC (MFI)

CID (Liter)-Type [redacted]/181 ([redacted]/3.0)L-6

| Engine Code | Vehicle Models (If Coded see attachment) | Trans | Equiv. Test Wt. Lbs. | Ign. System VA Part No. | Fuel System MFI Part No. | EGR Valve Part No. | Label Ident. Part No. |
|---|---|---|---|---|---|---|---|
| M103 | 300 E<br>300 TE | A4,<br>M5 | 3625 | 103 158 0002 | Fuel Distri-<br>butor<br>0 438 101012<br>Air Sensor:<br>0 258 003025 | DNA | Tune-up<br>1245844721<br>Vac. Line<br>Diagr.:<br>1245844521 |
| M103 | 300SE | A4<br>M5 | 3875 | 103 158 0002 | Fuel Distri-<br>butor<br>0 438 10112<br>Air Sensor:<br>0 258 003025 | DNA | Tune-up<br>1265844721<br>Vac. Line<br>Diagr.:<br>1265844521 |
| M103 | 300 SL | A4,M5 | 3626 | 103 158 0002 | Fuel Distri-<br>butor<br>0 438 101012<br>Air Sensor :<br>0 258 003025 | DNA | Tune-up<br>1075844721<br>Vac. Line<br>Diagr.:<br>1075844521 |

**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 and equipment. If two weights are listed, the lower weight will be used for testing.

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

Date of Issue —

071080

E.O. #A-282-1

1986-87 **AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel

Manufacturer DAIMLER BENZ AG Page 3

Engine Family HK13.0V6FZ58 Engine Code M103

ECS (Special Features) C6,TWC (MFI) CID (Liter)-Type 159.5 (2599 ccm L-6)

| Engine Code | Vehicle Models (If Coded see attachment) | Trans | Equiv. Test Wt. Lbs. | Ign. System VA Part No. | Fuel System MFI Part No. | EGR Valve Part No. | Label Ident. Part No. |
|---|---|---|---|---|---|---|---|
| M103 | 260 E, 260SE | A4,M5 | 3625 | 103 158 0002 | Fuel Distributor 0 438 101 012<br>Air Sensor 0 258 003 025 | DNA | Tune up 1245844721<br>Vac.Line Diagr.: 1245844521 |

**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 and equipment. If two weights are listed, the lower weight will be used for testing.

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

Date of Issue —

071080

E.O.# A-282-1

19__ MODEL-YEAR MODIFIER CERTIFIED SUPPLEMENTAL REVIEW SHEET



Modifier K&E International Auto Consultants Engine Family HK13.0V6FC58

Original Vehicle Mfgr. Mercedes/Daimler Benz Model-Year Vehicle 1987

| Additional Requirements | Section/page | | Section/page |
|---|---|---|---|
| 1. New Application Fee ($4000) | pd | 2. Carryover Fee ($2000) | N/A |
| 3. Perjury Statement | 317 | 4. ECS Shop Manuals | Submitted |
| 5. Configuration Control Testing | to do | 6. Service Facilities | 317 |
| 7. $1000 Surety Bond | 317 | 8. $3000 Recall Insurance | N/A |
| 9. Replacement ECS Parts List | 3 | 10. Warranty Insurance | 357, 17 |
| 11. "Modifiers" Identified (10% Interests & Officers) | 317 | 12. Assembly Plants | Newark, CA |

ARB Use Only

Application Processed By Henry Mauro Date 6/25/87 Reviewed By TGM for RJK Date 6/25/87