State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-6-1
Relating to Certification of New Motor Vehicles

BMW AG, SPARTE MOTORRAD

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 1982 model-year BMW AG, Sparte Motorrad exhaust emission control systems are certified as described below for four stroke gasoline-powered motorcycles:

| Engine Family | Displacement Cubic Centimeters | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| CBM098042A4 | 980 | Engine Modification |
| | 798 | Air Injection - Valve |
| | 650 | |

Vehicle Models and Transmissions as listed on attachment.

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

| Displacement Class | Hydrocarbons Grams per Kilometer | Carbon Monoxide Grams per Kilometer |
|---|---|---|
| III | 2.0 | 10 |

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

BE IT FURTHER RESOLVED: That pursuant to Executive Order G-70-15-E, motorcycles are exempt from compliance with the Air Resources Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks".

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 24th day of November, 1981.

Bob Cross for

K. D. Drachand, Chief
Mobile Source Control Division

# 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - MOTORCYCLE

Manufacturer BMW AG, Sparte Motorrad Executive Order M-6-1 Page 1

Engine Family CBM 098042A4

| Model | Engine Code | Transmission | EIM | RLP |
|---|---|---|---|---|
| R65 | - | M-5 | 300 | 135.4 |
| R65LS | - | | 300 | 135.4 |
| R80G/S | - | | 280 | 131.1 |
| R100 | - | | 330 | ~~143.6~~ 141.6 |
| R100CS | - | | 330 | ~~143.6~~ |
| R100RS | - | | 330 | ~~143.6~~ |
| R100RT | - | | 330 | ~~143.6~~ |

Date Issued:

Revisions:

051881

STAFF USE ONLY E.O. NO. M- 6-1

1982 MODEL-YEAR CERTIFICATION CHECK OFF SHEET

Motorcycle

Manufacturer BMW

✓ Gas __ Diesel Eng. Code- __ Calif. __ 49S ✓ 50S

Engine Family CBM 098042A4 Cubic Centimeter 9

Exh. ECS (Special Features) EM Type I-2

| | | | | | |
|---|---|---|---|---|---|
| 1 Authorized Representative | | 10 Projected Sales | COVER LTR | | |
| 2 Fuel, Test Equipment, Procedures & Route | | 11 Vehicle Descript. | 08-01 | | |
| | | 12 Test Veh. Information | | Dur. | Emis. |
| 3 Warr. State & Parts List | 17-01, 17-04 | Fleet Approval Exh. | | | |
| 4 Maint: Cert/Req'd/Recm'd | | " " Evap. | | | |
| 5 Tune-Up Lab./Vac. Hose Diag. | 07-01 | C/O MY or C/A EF | | | |
| 6 Evap. Control System | | Zero Mile Books | | | |
| 7 Engine Parameters | | Vehicle Logs | | | |
| 8 Fuel/Ignition Systems | | Maint. Logs & Engr. Eval. | | | |
| 9 Exhaust Control System | | 13 Evap. Bench Test Procedure | | | |

| STATEMENTS: | | CALIFORNIA REGULATIONS: | |
|---|---|---|---|
| 1 Gen. Std., Increase in Em., Safety, Mtg. All Req'ments. | | 1 Fill Pipe/Access Zone | |
| 2 Prod. Veh. Same as Test Veh. | | 2 Altitude A/F Req'ment | |
| 3 Suitability for 91 RON Fuel | | 3 Carb. Tamperproof Req'ment | |
| 4 Label Durability | | 4 Ck for DF, Outlier, Line Xing | |
| 5 Driveability | | 5 EPA Certificate | mf |
| | | 6 Envelope Attached | mf |

PROJECTED EMISSIONS(1)

| Veh. ID | Code (Displ) | Trans | | EIM | RLP | MPG | | HC | CO | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R 100RT | 102 VX6 (980) | M-5 | | 330 | 143.6 | 43.8 | | 1.97 | 9.90 | | | | |
| | | | | | | | (DF | 1.531 | 1.000) | | | | |
| R 80G/S | 802 VX5 (798) | M-5 | | 280 | 131.1 | 43.9 | | 1.19 | 9.02 | | | | |
| | | | | | | | (DF | 1.241 | 1.087) | | | | |
| R 65 | 652 VX4 (650) | M-5 | | 300 | 135.4 | 45.2 | | 1.09 | 10.79 | | | | |
| | | | | | | | (DF | 1.436 | 1.056) | | | | |

(1) Complies with class III standards of ~~1.0~~ 2.5 12 and includes deterioration factors of ABOVE

Remarks

Application Processed By M. Fleming Date 11/18/81 Reviewed By R. J. Kenny Date 11-20-81

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