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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-3-291
Relating to Certification of New Motorcycles

YAMAHA MOTOR CO., LTD.

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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Yamaha Motor Co., Ltd. exhaust emission control systems are certified as described below for four-stroke gasoline-powered motorcycles:

| Engine Family | Displacement Cubic Centimeters | Class | Exhaust Emission Control Systems & Special Features |
|---|---|---|---|
| XYMXC1.06GEB | 1063 | III | Pulsed Secondary Air Injection |

Vehicle models and transmissions are listed on the attachment. Production motorcycles shall be in all material respects the same as those for which certification is granted.

The following are the exhaust emission standards and exhaust emission certification values for this engine family. The designated hydrocarbons standard shall be listed on the permanent tune-up label:

| Hydrocarbon Standards (Corporate Average) Grams per Kilometer | Hydrocarbon Standards (Designated) Grams per Kilometer | Hydrocarbons (Certification) Grams per Kilometer | Carbon Monoxide (Standard) Grams per Kilometer | Carbon Monoxide (Certification) Grams per Kilometer |
|---|---|---|---|---|
| 1.4 | 1.1 | 0.7 | 12 | 8 |

BE IT FURTHER RESOLVED: That the above-described certification is subject to the following terms, limitations and conditions:

The above designated hydrocarbons standard shall be the exhaust limit for this engine family during the model year and therefore cannot be redesignated by the manufacturer. It represents the hydrocarbons exhaust emission standard applicable to this engine family that shall be applied when determining compliance of any motorcycle within this engine family pursuant to Section 2101 of Title 13, California Code of Regulations. It will also be used to determine compliance with the above corporate average hydrocarbons standard as required per Section 1958(b), Title 13 of the California Code of Regulations.

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 Code of Regulations, Section 2035 et seq.).

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

BE IT FURTHER RESOLVED: That these motorcycles are found exempt from compliance with the Air Resources Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" pursuant to Executive Order G-70-16-E.

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

Executed at El Monte, California this 8th day of March 1999.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# M-3-291

1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
MOTORCYCLES

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Manufacturer: Yamaha Motor Co., Ltd.

Exh Engine Family XYMXC1.06GEB

Evap Family XYMXE0022NBF

| Model | Engine Code | Transmission | EIM(kg) | Force RL(nt) |
|---|---|---|---|---|
| XVS1100C | 5EL | MT-5 | 400 | 155.8 |

Date Issued: 2/9/1999

Revisions: