



California Environmental Protection Agency

AIR RESOURCES BOARD

SUZUKI MOTOR  
CORPORATIONEXECUTIVE ORDER M-4-263  
New On-Road Motorcycles

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 the following 2001 model-year engine and emission control systems (ECS) produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles:

| <u>Engine Family</u> | <u>Evaporative Family</u> | <u>Displacement (cm<sup>3</sup>)</u> | <u>Class</u> | <u>ECS &amp; Special Features</u> |
|----------------------|---------------------------|--------------------------------------|--------------|-----------------------------------|
| 1SKXC.487VR2         | 1SKXE0019YR2 <sup>a</sup> | 487                                  | III          | EM                                |

Vehicle Models (Equivalent Inertia Mass): GS500 (290kg)

Production motorcycles shall be in all material respects the same as those for which certification is granted.

The exhaust emission standards and certification values in grams per kilometer for hydrocarbons (HC) and carbon monoxide (CO), and the HC evaporative (Evap) standard and certification value in grams per test for this engine/evaporative family are as follows. The designated HC standard shall be listed on the permanent tune-up label:

|                                       | <u>HC</u> | <u>CO</u> | <u>Evap HC</u> |
|---------------------------------------|-----------|-----------|----------------|
| <u>Standard:</u> (Effective Standard) | 1.0       | 12        | 2.0 (1.8)      |
| <u>Designated Standard:</u>           | 0.9       | n/a       | n/a            |
| <u>Certification:</u>                 | 0.7       | 6         | 0.8            |

BE IT FURTHER RESOLVED: That the designated HC standard shall be the exhaust limit for this engine family and cannot be changed during the model-year. It represents the HC exhaust emission standard applicable to this engine family for determining compliance with Title 13, California Code of Regulations, Sections 1958 (b) and 2101.

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 because the listed motorcycles are certified to 0.2 grams per test or more below the applicable evaporative emission standard, the vehicles are exempt from complying 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 January 2001.

R. B. Summerfield, Chief  
Mobile Source Operations Division



CLASS III MOTORCYCLE  
**2001 MODEL-YEAR CERTIFICATION REVIEW SHEET**

0.14

Manufacturer: **SUZUKI MOTOR CORPORATION**

## Engine Information:

Engine Family: **1SKXC.487VR2**Evaporative Family: **1SKXE0019YR2** (E33-44)Evaporative Group: **G-4**
 Rated Kw 35.7 @ 9,000RPM,  
 or HP 47.9 @ 9,000 RPM (SAE Net)
Sales location CA 49S X 50S X
 Exhaust ECS & special features: E.M.  
 (per SAE J1930 SEP91)

|            |                   |
|------------|-------------------|
| <u>487</u> | Displacement (cc) |
| <u>L2</u>  | Engine Config.    |
| <u>2</u>   | Valves/Cylinder   |
| <u>4</u>   | Strokes/Cycle     |
| <u>Air</u> | Cooling Medium    |
| <u>2</u>   | No. Carburetors   |
| <u>1</u>   | Bbls. per carb    |

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1. Warranty Statement
2. Warranty Parts List
3. Tune-up Label w/HC Std Vacuum Hose Diagram
4. Projected Sales
5. Vehicle Description
6. Durability Data Plot (Exhaust/Evaporative)
7. CALIFORNIA Sales < 500
8. Carry-Over/Carry-Across MY & ID  
Durability  
Bench  
Emission
9. Type Evaporative Control
10. EVAP Bench Test Proc. Approval
11. Fill Pipe / Access Zone
12. EPA Certificate
13. Corporate Plan

Attached

No

|         |               |
|---------|---------------|
| Exhaust | Evaporative   |
| New     | =             |
| n/a     | '85...122296* |
| New     | =             |

Canister

Date: 29JAN82

Exempt

Suzuki-MC-01-23

E.O.# M-4-258 : 18MAY2000

## 1) Projected Emissions include modified DFs

| VEHICLE I.D.                  | Engine code     | displ | trans | EIM   | RL Force | MPG  | HC gm/km | CO gm/km | EVAP gm/tst | CO2 gm/km | test no. |
|-------------------------------|-----------------|-------|-------|-------|----------|------|----------|----------|-------------|-----------|----------|
| TTD                           | M501            | 487   | M-6   | 290Kg | 133.4    | 61.1 | 0.67     | 6.4      | 0.76        | 78.9      | <G56>    |
| JS1GM51A912100010             | (01DJ)          |       |       |       |          |      |          |          |             |           |          |
| JS1GN74A3F2100001             | DF <sub>B</sub> | 572   |       |       |          |      |          |          |             |           |          |
|                               | N702-122296*    |       |       |       |          |      |          |          |             |           |          |
| EVAP BENCH DURABILITY VEHICLE |                 |       |       |       |          |      | CORP AVG |          |             |           |          |
| emission standards            |                 |       |       |       |          |      | 1.0      | 12       | 1.8         |           |          |

(1)Complies with class III (<700cc) standards referenced above  
 and include deterioration factors of:

1.000 1.000 0.07

The evap DF 0.007 is applied to GS500 SHED results at the TTD establishes the 1SKXE0019YR1 certification level. EVAP DF is the average of VEHICLE DF 0.000 and BENCH DF 0.013

The 2001 Designated Exhaust-HC Emission Standard: 0.9 gm/km.

Model Name: **GS500**  
 VIN model identifier: **GM51A**

Issued: 17NOV2000 jl Revised: 27NOV2000 (R1) jl

Application  
 Processed by [Signature] Date 1/4/01 Reviewed by [Signature] Date 1/4/01