

Joseph J.

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 (cm³)</u>	<u>Class</u>	<u>ECS & Special Features</u>
1HNXC0.25AJA	1HNXE0008BYD	249	II	PAIR, OC

Vehicle Models (Equivalent Inertia Mass): NSS250 (270 kg), NSS250A (270 kg)

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:


	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.0	12	2.0 (1.8)
<u>Certification:</u>	0.5	7	0.5

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 18th day of January 2001.


 R. B. Summerfield, Chief
 Mobile Source Operations Division

Engine Family: 1HNXC0.25AJA

Motorcycle Test Information Form

27. Are you carrying over test results from a previously certified family? Yes No
 a) If yes, indicate family name:
 b) Is the family being certified identical to the family from which the data is being carried over?

28. Model Designation of Test Vehicle: NSS250A
 29. Test Information Number: 104
 30. Vehicle ID: 01BA-01
 31. Service Accumulation Duration (km): 9012
 32. Maximum Rated Power (kW @ RPM): 13.7 @ 6750
 33. Displacement (cc): 249
 34. Certification Fuel: Indolene
 35. Test Data Set: 1
 42. Exhaust Emission Deterioration Factor

36. Road Load(NT): 129.3
 37. Inertia Mass (kg): 270
 38. N/V: 66.7
 39. Evap Bench Test Method Approval:
 Data: March 9, 1983
 Reference: 17.01.01-1(ARB) &
 17.01.02-2(ARB) thru
 17.01.02-12(ARB) in 1999
 Model Year Application
 40. Unscheduled Maintenance: Yes No
 41. If yes Vehicle Log Provided: N/A

Test Number	System Kilometers	Emission Values			
		HC	CO	NOx	HC+NOx
1	2524	0.42	6.5		
2	6445	0.41	5.8		
3	6475	0.44	6.6		
4	9012	0.44	6.9		
5					
6					
7					
Interpolated Values at <u>9,000</u> km:		HC = 0.4358	CO = 6.5792		
Extrapolated Values at <u>18,000</u> km:		HC = 0.4617	CO = 6.9821		

Check One:	
Regular DF	X
Modified DF	
If Different Vehicle Specify Vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	CO	6.9			
g/km	CO ₂	69.7			
g/km	HC	0.44			
g/km	NOx				
g/km	HC+NOx				
g/km	Evap.	0.43			

Deterioration Factors
(X) 1.061

(X) 1.059

(X)
(+) 0.1

44. Certification Levels:

g/km	CO	7			
g/km	HC	0.5			
g/km	HC+NOx	-			
g/test	Evap.	0.5			

Application Processed by: Joseph Jegede Date: 1/17/01 Reviewed by: S Chen Date: 1/17/01