

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 (cm<sup>3</sup>)</u>	<u>Class</u>	<u>ECS &amp; 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:

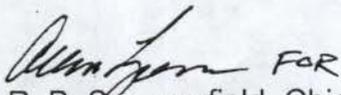
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.0	12	2.0 (1.8)
<u>Certification:</u>	0.5	7	0.5

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 18<sup>th</sup> day of January 2001.

  
 R. B. Summerfield, Chief  
 Mobile Source Operations Division

## Motorcycle Engine Family Information Form

1. Manufacturer: Honda Motor Co., Ltd.
2. Certification contact Person, address, phone, and fax:

Julie Barkow-Peck, Certification Assistant, Certification Department  
 American Honda Motor Co., Inc. Mail Stop 500-2C-8A  
 1919 Torrance Blvd., Torrance CA 90501-2746  
 Telephone: (310) 783-3417 Fax: (310) 783-3510 E-Mail: Julie\_Peck@ahm.honda.com

3. Model Year: 2001
4. Process Code: New  
(new, correction, revised, r/c, f/f, etc.)
5. Engine Family: 1HNXC0.25AJA  
 50s Eng. Code: 1BA1  
 49s Eng. Code: N/A  
 Calif. Eng. Code: N/A
6. Emission Control System: PAIR/OC

10. Displacement(cc): 249
11. Number of Cylinder: 1
12. Cylinder Arrangement: Horizontal
13. Cylinder Head Configuration: OHV/OHC
14. Type of Cooling: Liquid Cooled
15. Combustion Cycle: Otto
16. Method of Aspiration: Natural
17. Fuel System: Carburetors
18. Number of Catalytic Converters: 1

7. Calif. Designated Standard(g/km):  N/A  
 HC  
 HC+NOx
8. Project Annual Sales: **CONFIDENTIAL**
9. New Technology:  Yes  No  
 If yes, cite the correspondence or reference  
 the submittal document: See Section 4 Page 1

19. Adjustable Parameters:

Parameters(s)	Adjustable Range (or N/A)	Tamper Resistance Method (or N/A)	Method Approved
Carburetor Pilot Screw	Not Limited	Recess "D" shaped head that requires a special tool	Approved by EPA on 09/03/91

20. AECDS in the Emission Control System:

Exhaust System	Evaporative System
AECDS In System: <u>PAIR Control Valve</u> <u>Throttle Position Sensor</u> <u>Ignition Pulse Generator</u> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	AECDS In System: <u>Evap Purge Control Valve</u> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

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 <sub>2</sub>	69.7			
g/km	HC	0.44			
g/km	NOx				
g/km	HC+NOx				
g/km	Evap.	0.43			

Deterioration Factors
(X) 1.061
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(X) 1.059
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(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