

Joseph J.

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-2-382
Relating to Certification of New Motorcycles

HONDA 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 the following engine and exhaust emission control systems produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles:

Model Year: 2001

<u>Engine Family</u>	<u>Displacement Cubic Centimeters</u>	<u>Class</u>	<u>Exhaust Emission Control Systems & Special Features</u>
1HNXC0.08AAA	80	I	Engine Modification

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 certification emission values for this engine family:

<u>Hydrocarbons (Standard) Grams per Kilometer</u>	<u>Hydrocarbons (Certification) Grams per Kilometer</u>	<u>Carbon Monoxide (Standard) Grams per Kilometer</u>	<u>Carbon Monoxide (Certification) Grams per Kilometer</u>
1.0	0.7	12	7

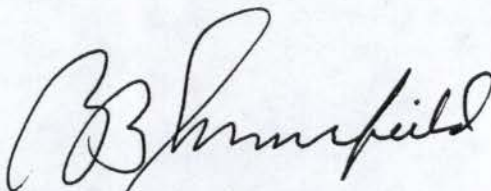
BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles," as required by Section 1976, Title 13 of the California Code of Regulations.

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 31st day of July 2000.



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: 1HNXC0.08AAA
 50s Eng. Code: N/A
 49s Eng. Code: 1AB1
 Calif. Eng. Code: 1AB2

6. Emission Control System: EM

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: N/A

10. Displacement (cc): 80

11. Number of Cylinder: 1

12. Cylinder Arrangement: Vertical

13. Cylinder Head Configuration: OHV/OHC

14. Type of Cooling: Air Cooled

15. Combustion Cycle: Otto

16. Method of Aspiration: Natural

17. Fuel System: Carburetors

18. Number of Catalytic Converters: N/A

19. Adjustable Parameters:

Parameters (s)	Adjustable Range (or N/A)	Tamper Resistance Method (or N/A)	Method Approved
Carburetor Pilot Screw	Limited to 7/8 turn leaner side only	Limiter cap	N/A

20. AECDs in the Emission Control System:

Exhaust System	Evaporative System
AECDs In System: N/A _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	AECDs In System: N/A _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

Engine Family: 1HNXC0.08AAA

Motorcycle Test Information Form

0.3

27. Are you carrying over test results from a previously certified family? Yes No
 a) If yes, indicate family name: FHN008041DX
 b) Is the family being certified identical to the family from which the data is being carried over? Yes.
28. Model Designation of Test Vehicle: CH80
29. Test Information Number: 110
30. Vehicle ID: 85AD-01
31. Service Accumulation Duration(km) : 6042
32. Maximum Rated Power(kW @ RPM) : 3.7 @ 7500
33. Displacement(cc) : 80
34. Certification Fuel: Indolene
35. Test Data Set: 1
36. Road Load(nt) : 109.0
37. Inertia Mass(kg) : 170
38. N/V: 118.9
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
42. Exhaust Emission Deterioration Factor

Test Number	System Kilometers	Emission Values			
		HC	CO	NOx	HC+NOx
1	2555	0.81	8.1		
2	4101	0.73	7.7		
3	4128	0.71	8.7		
4	6015	0.72	6.9		
5	6042	0.72	7.0		
6					
7					
Interpolated Values at <u>6,000</u> km:		HC = <u>0.6981</u>	CO = <u>7.1970</u>		
		HC+NOx =			
Extrapolated Values at <u>12,000</u> km:		HC = <u>0.5502</u>	CO = <u>5.0207</u>		
		HC+NOx =			

Check One:	
Regular DF	<input checked="" type="checkbox"/>
Modified DF	<input type="checkbox"/>
If Different Vehicle Specify Vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	CO	7.0			
g/km	CO ₂	32.2			
g/km	HC	0.72			
g/km	NOx				
g/km	HC+NOx				
g/km	Evap.	1.13			

Deterioration Factors	
(X)	1.000 (0.698)

(X)	1.000 (0.788)

(X)	
(+)	0.0

(): Calculated Value

44. Certification Levels:

g/km	CO	7			
g/km	HC	0.7			
g/km	HC+NOx				
g/test	Evap.	1.1			

Application Processed by: Joseph Jegede Date: 7/28/2000 Reviewed by: *[Signature]* Date: 7/28/2000