

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-2-373
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>
1HNXC0.23AAA	234	II	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	1.0	12	8

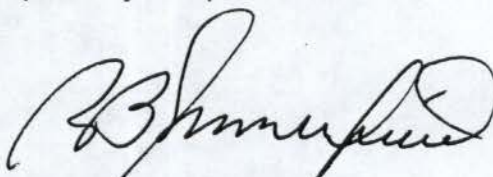
BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

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 17th day of April 2000.

A handwritten signature in black ink, appearing to read "R. B. Summerfield". The signature is fluid and cursive, with a large initial "R" and a distinct "B".

R. B. Summerfield, Chief
Mobile Source Operations Division

Engine Family:1HNXC0.23AAA

Motorcycle Test Information Form

0.4

27. Are you carrying over test results from a previously certified family? Yes No
 a) If yes, indicate family name: XHNXC0.23AAA
 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: CMX250C
 29. Test Information Number: 204
 30. Vehicle ID: 86BC-01
 31. Service Accumulation Duration(km) : 9015
 32. Maximum Rated Power(kW @ RPM) : 16.4 @ 8500
 33. Displacement(cc) : 234
 34. Certification Fuel: Indolene
 35. Test Data Set: 1
 42. Exhaust Emission Deterioration Factor

36. Road Load(NT) : 121.2
 37. Inertia Mass(kg) : 230
 38. N/V: 71.2
 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	2462	0.90	9.4		
2	6500	0.95	8.0		
3	6531	0.89	9.2		
4	9015	0.93	8.4		
5					
6					
7					
Interpolated Values at <u>9,000</u> km:		HC = <u>0.9307</u>	CO = <u>8.2957</u>		
Extrapolated Values at <u>18,000</u> km:		HC = <u>0.9720</u>	CO = <u>6.8724</u>		

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	8.4			
g/km	CO ₂	48.8			
g/km	HC	0.93			
g/km	NOx				
g/km	HC+NOx				
g/km	Evap.	0.36			

Deterioration Factors	
(X)	1.000 (0.828)

(X)	1.044

(X)	
(+)	0.1

(): Calculated Value

44. Certification Levels:

g/km	CO	8			
g/km	HC	1.0			
g/km	HC+NOx				
g/test	Evap.	0.5			

Application Processed by: Joseph Jegede Date: 4/11/2000
 Reviewed by: Steve Hada Date: 4/11/00