

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-2-361
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 2000 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for four-stroke gasoline-powered motorcycles:

<u>Engine Family</u>	<u>Displacement Cubic Centimeters</u>	<u>Class</u>	<u>Exhaust Emission Control Systems & Special Features</u>
YHNXC0.23AAA	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

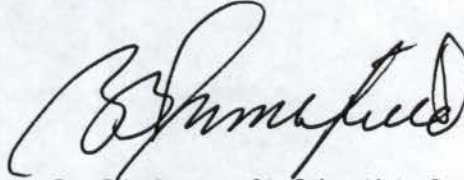
BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 12th day of August 1999.



R. B. Summerfield, Chief
Mobile Source Operations Division

Engine Family: YHNXC0.23AAA

Motorcycle Test Information Form

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

	Deterioration Factors
(X)	1.000 (0.828)
(X)	1.044
(+)	0.1

44. Certification Levels:

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

(): Calculated Value

Engine Family: YHNXC0.23AAA

Evaporative Emission Information

- | | |
|---|---|
| 45. Evaporative Family: YHNXE0008AYC
46. Number of Evap. Canisters: 1
47. Design Working Capacity(g): 8.0
48. Configuration: Open Bottom
49. Number of storage Areas: 1
50. Fuel Reservoir Volume(cc): 60
51. Vent System Configuration: External
52. Nominal Tank Capacity(liter): 10.0 | 53. Engine Displacement Class: II
54. Storage Medium Composition: Charcoal
55. Evap. Canister Medium Volume(cc): 210 +/- 20/0
56. Evap. Family Sales: CONFIDENTIAL
57. Engine Code: YBC2
58. Evap. Emission Family Code: 00YC
59. Evap. Emission Family Group: A
60. Overall Evap D.F.= 0.1 |
|---|---|

Bench DF

61. Test Vehicle ID: 89CP-01
 62. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)
1	3500	0.43
2	3500	0.40
3	3500	0.33
4	15000	0.55
5	15000	0.52
6	15000	0.45
7		
Interpolated Values at <u>15,000 km</u> : = <u>0.507</u>		
Extrapolated Values at <u>30,000 km</u> : = <u>0.663</u>		
Bench Test D.F. = <u>0.16</u>		

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

Vehicle DF

63. Test Vehicle ID: 86BC-01
 64. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)
1	2462	0.30
2	6500	0.39
3	6531	0.39
4	9015	0.36
5		
6		
7		
Interpolated Values at <u>9,000 km</u> : = <u>0.392</u>		
Extrapolated Values at <u>18,000 km</u> : = <u>0.491</u>		
Vehicle Test D.F. = <u>0.10</u>		