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

Engine Family	Displacement Cubic Centimeters	Class	Exhaust Emission Control Systems & Special Features
1HNXC0.23AAA	234	П	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:

Hydrocarbons	Hydrocarbons	Carbon Monoxide	Carbon Monoxide
(Standard)	(Certification)	(Standard)	(Certification)
Grams per	Grams per	Grams per	Grams per
Kilometer	Kilometer	Kilometer	Kilometer
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 17 day of April 2000.

R. B. Summerfield, Chief Mobile Source Operations Division

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Revised:

Engine Family: 1HNXC0.23AAA

ATTACHMENT

Motorcycle Model Summary Form

65. Model Designation	66. Worst Case	67. Disp. (cc)	68. Bore / Stroke (mm)	69. Basic Ignition Timing (degrees)	70. Power (kW)	71. Rated Speed (RFM)	72. Rated Torque (Nm)	73. Rated Speed (RPM)
GMX250C	х	234	53.0 / 53.0	10 (BTDC)	13.6	8500	17.7	6500
CMX250C2	Α.	234	53.0 / 53.0	10 (BTDC)	13.6	8500	17.7	6500
G 1230C								
+								
		1						

65. Model Designation	74. EIM (kg)	75. Loaded Vehicle Weight Range (kg)	76. Road Load (nt)	77. Total Vehicle Mass (kg)	78. Full Weight with All Factory Options (kg)	79. Trans. Type	.08 И/И
CMX250C	230	226 - 235	121.2	235	235	M5	71.2
	230	226 - 235	121.2	235	235	M5	71.2
CMX250C2	230	220 233					

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Revised:

	Motorcyc]	le Engine Fam	nily Informatio	n Form
1.	Manufacturer: Honda	Motor Co., Ltd.		
2.	Certification contact	t Person, address, phone,	and fax:	
•	American Honda Moto 1919 Torrance Blvd	Certification Assistant, or Co., Inc. Mail Stop 500 ., Torrance CA 90501-2746 3-3417 Fax: (310)783-3510		· om
3.	Model Year: 2001		10. Displacement (cc): 234	
4.	Process Code: New (new, correction, rev	rised, r/c, f/f, etc.)	11. Number of Cylinder:	
5.	Engine Family: 1HNXC	CO.23AAA	12. Cylinder Arrangement	: L-2
	50s Eng. Code: 1		13. Cylinder Head Config	uration: OHV/OHC
	49s Eng. Code:		14. Type of Cooling: Air	Cooled
	Calif. Eng. Cod			
6.	Emission Control Sys	tem: EM	15. Cambustian Cycle: Ot	LO.
7.	Calif. Designated St	andard (g/km): ⊠ N/A □ HC	16. Method of Aspiration	: Natural
		HC+NOx	17. Fuel System: Carburet	tors
8.	Project Annual Sales	· CONFIDENTIAL	18. Number of Catalytic	Converters: N/A
	the submittal documen	respondence or reference nt:N/A		
19	Adjustable Paramete Parameters(s)	Adjustable Range	Tamper Resistance Method	Method Approved
	Parallecers (5)	(or N/A)	(or N/A)	
	Carburetor Pilot Screw	Limited to 7/8 turn leaner side only	Limiter cap	N/A
20	. AECDs in the Emissi	on Control System:		
	Exhaust System		Evaporative System	
	AECDs In System: N/A		AECDs In System: N/A	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			THE ALLEGANIES	

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Issued: 1999/12/27

Revised:

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: XHNXCO.23AAA

b) Is the family being certified identical to the family from which the data is being carried over?

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

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

Check One: Regular DF

40. Unscheduled Maintenance: Yes No

(X)

(X)

(X) (+)

41. If yes Vehicle Log Provided: N/A

42. Exhaust Emission Deterioration Factor

		Emission Values					
Test Number	System Kilometers	HC	8	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							

TE Different Vonia	10
If Different Vehic Specify Vehicle ID	re
Specify venticle in	

Extrapolated Values at 18,000 km:

HC = 0.9720 CO = 6.8724

HC+NOx =

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	8	8.4			1
g/km	\mathref{\text{\ti}\}\\ \text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	48.8			
g/km	HC	0.93			
g/km	NOx	III Easte			
g/km	HC+NOx			10-22-0-2	
g/km	Evap.	0.36			

Deterioration Factors 1.000 (0.828) -----1.044 -----0.1

(): Calculated Value

44. Certification Levels:

g/km	8	(8)	
g/km	HC	(1.0)	
g/km	HC+NOx		
q/test	Evap.	0.5	

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