California Environmental Protection Agency	HONDA MOTOR CO LTD	EXECUTIVE ORDER M-2-388	
California Environmental Protection Agency	HONDA MOTOR CO., LTD.	New On-Road Motorcycles	

Hale

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:

Engine Family Evaporative Family Displacement (cm³) Class ECS & Special Features

1HNXC01.1ABE 1HNXE0028HZW 1085 III PAIR

Vehicle Models (Equivalent Inertia Mass): ST1100 (400 kg), ST1100A (410 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. The designated HC standard shall be listed on the permanent tune-up label:

	HC	CO	Evap HC
Standard: (Effective Standard)	1.4	12	2.0 (1.8)
Designated Standard:	1.4	n/a	n/a
Certification:	0.8	7	1.0

BE IT FURTHER RESOLVED: That the designated HC standard shall be the exhaust limit for this engine family and cannot be changed during the model-year. It represents the HC exhaust emission standard applicable to this engine family for determining compliance with Title 13, California Code of Regulations, Sections 1958(b) and 2101.

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 day of OctoBer 2000.

mufuld

R. B. Summerfield, Chief Mobile Source Operations Division

Motorcycle Engine Family Information Form

10. Displacement (cc): 1085

11. Number of Cylinder: 4

15. Combustion Cycle: Otto

17. Fuel System: Carburetors

12. Cylinder Arrangement: 90 Degrees V-4

13. Cylinder Head Configuration: OHV/DOHC

14. Type of Cooling: Liquid Cooled

16. Method of Aspiration: Natural

18. Number of Catalytic Converters: N/A

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

- Process Code: New (new, correction, revised, r/c, f/f, etc.)
- 5. Engine Family: 1HNXCO1.1ABE 50s Eng. Code: N/A 49s Eng. Code: 1DK4 1DK3 Calif. Eng. Code: 1DK1 1DK2

6. Emission Control System: PAIR

7. Calif. Designated Standard (g/km) : N/A

 \square HC - 1.4 \square HC+NOx

8. Project Annual Sales: CONFIDENTIAL

 New Technology: ☐ Yes ∑ No If yes, cite the correspondence or reference the submittal document:

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: PAIR Control Valve	ABCDs In System: Evap CAV Control Valve

Application Processed by: Joseph Jegede Date: 10/13/00 Reviewed by: Jutta Date: 10/13/00

Engine Family: 1HNXC01.1ABE

Motorcycle Test Information Form

- 27. Are you carrying over test results from a previously certified family? 🛛 Yes 🗌 No
 - a) If yes, indicate family name: YHNXCO1.1ABE
 - 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: ST1100A, ST1100
- 29. Test Information Number: NO1
- 30. Vehicle ID: 92DK-02
- 31. Service Accumulation Duration (km): 15017
- 32. Maximum Rated Power (kW @ RPM): 73.8 @ 7500
- 33. Displacement (cc): 1085
- 34. Certification Fuel: Indolene
- 35. Test Data Set: 1
- 42. Exhaust Emission Deterioration Factor

41. If yes Vehicle Log Provided:

36. Road Load (nt) : 157.8

37. Inertia Mass(kg): 410

Data: March 9, 1983

39. Evap Bench Test Method Approval:

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

Modified DF

If Different Vehicle Specify Vehicle ID

40. Unscheduled Maintenance: Ves X No

38. N/V: 33.4

			Emission	Values	
Test Number	System Kilometers	HC	00	NOx	HC+NOX
1	3708	0.64	7.5		
2	6577	0.61	7.8		
3	6607	0.61	7.9		
4	9784	0.67	8.0		
5	12977	0.83	7.1		
6	13008	0.65	7.0		
7	15017	0.65	7.2	-	
Interpolate	d Values at 15,000 }	CIN:	HC = 0.7115 $HC+NOx =$	co = <u>7.:</u>	1608
Extrapolate	d Values at 30,000	cm:	HC = 0.8404 $HC + NOx =$	co = <u>6.</u>	2064

43. Emission Test Results:

44. Certification Levels:

g/km

g/km

g/km

q/test

8

HC

HC+NOx

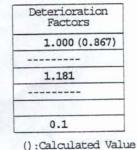
Evap.

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	00	7.2			
g/km	CO,	114.9			
g/km	HC	0.65	1		
g/km	NOx				
g/km	HC+NOx				
g/km	Evap.	0.88			

7

0.8

1.0



0.095

X

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2001 HONDA Motorcycle