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-02-003;

IT IS ORDERED AND RESOLVED: That the engine and emission control systems produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles. Production vehicles shall be in all material respects the same as those for which certification is granted. The manufacturer shall ensure that character "C" or "3" is <u>not</u> used in the eighth (8th) position of the vehicle identification number (VIN) of all vehicles in the engine family listed below. Violation of this VIN provision may result in incorrect registration of the vehicles.

MODEL YEAR	ENGINE FAMILY	EVAPORATIVE FAMILY	ENGINE DISPLACEMENT (cc)	CLASS
2007	7HNXC0.08AAA	7HNXE0008BXB	80	ı
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		VEHICLE MODELS (equivalent inertia mass in kilograms, kg)		* = not applicable
EM			CH80 (170 kg)	
ABBREVIATIONS: H02S=heated 02S TBI=throttle body fu	EGR=exhaust das recircula	ition_AIR=secondary air injection_PAH	R=pulsed AIR MFI=multi port fuel injection SF	25=oxygen sensor l=sequential MFI) (suffix)=in series

The following are the exhaust hydrocarbons (HC) and carbon monoxide (CO) standards, or designated HC standard as applicable, and certification levels in grams per kilometer (g/km), and evaporative standard and certification level in grams per test (g/test) for this engine/evaporative family. The designated HC standard, as applicable, shall be listed on the permanent tune-up label.

	HC (g/km)				(g/km)	EVAPORA	TIVE (g/test)
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
*	*	1.0	0.7	12	7	2.0	1.1

BE IT FURTHER RESOLVED: That certification to the designated HC standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated HC standard shall be the exhaust emission limit for this engine family and cannot be changed during the model year. It serves as the HC exhaust 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 materials required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Sections 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 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.

This Executive Order is only granted to the engine family and model-year listed above. Vehicles in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______ day of June 2006.

Allen Lyons, Chief

Mobile Source Operations Division

Section: 7 Page:1 Issued: 04/20/2006

Revised:

Motorcycle Engine Family Information Form

1.	Manufacturer: Honda Mc	otor Co., Ltd.			
2.	Certification contact	Person, address, phone, a	and fa	x:	
	American Honda Motor 1919 Torrance Blvd.,	ertification Assistant, C Co., Inc. Mail Stop 500- Torrance CA 90501-2746 3417 Fax: (310)783-3510 E	-2C-8A	ication Department : Julie Peck@ahm.honda.com	
3.	Model Year: 2007			10. Displacement (cc): 80	
4.	Process Code: New (new, correction, revi	sed, r/c, f/f, etc.)		11. Number of Cylinder:	1
5.	Engine Family: 7HNXC			12. Cylinder Arrangement:	Vertical
••	50s Eng. Code: N/A 49s Eng. Code: 7AB1			13. Cylinder Head Configu	
	Calif.Eng. Code: 77			14. Type of Cooling: Air	Cooled
6.	Emission Control Syste	m: EM		15. Combustion Cycle: Ot	to
7.	Calif. Designated Stan	ndard(g/km): 🔀 N/A ☐ HC		16. Method of Aspiration:	Natural
		☐ HC+NOx		17. Fuel System: Carbure	tor
8.	Project Annual Sales:			18. Number of Catalytic Co	onverters: N/A
	-	spondence or reference			
	the submittal document	: N/A			
19	. Adjustable Parameters				Market December 2
	Parameters(s)	Adjustable Range (or N/A)	7	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	n Control System:			
	Exhaust System			Evaporative System	
	AECDs In System:			AECDs In System:	
	N/A			<u>N/A</u>	
			.		
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Processed 69: Stm Jack 5/22/06

Section: 7 Page: 4 Issued: 04/20/2006

Revised:

Engine Family: 7HNXC0.08AAA

Motorcycle Test Information

27. Are you carrying over test results from a previously certified family?

🛛 Yes 🔲 No

a) If yes, indicate family name: 6HNXCO.08AAA

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: No

41. If yes Vehicle Log Provided:

(X)

(X)

(+)

N/A

42. Exhaust Emission Deterioration Factor

			Emission	Values	
Test Number	System Kilometers	HC	ω	NOx	HC+NOx
1	2555	0.81	8.1		
2	4101	0.73	7.7		
3	4128	0.71	8.7		<u></u>
4	6015	0.72	6.9		
5	6042	0.72	7.0		
6					1
7					
7 Interpolated	i Values at 6,000 km	: Н	C = 0.6981	$\infty = 7.3$	L 97 0

Check One:	
Regular DF	X
Modified DF	
If Different Specify Vehic	

 $\infty = 5.0207$

HCHNOx =

Extrapolated Values at 12,000 km: HC = 0.5502

HCHNOx =

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	∞	7.0			<u> -,</u>
g/km	ಹ್ಕ	32.2			
g/km	HC	0.72			
g/km	NOx				
g/km	HC+NOx				
g/test	Evap.	1.13			

Deterioration Factors
1.000 (0.698)
1.000 (0.788)
0.0

():Calculated Value

4.4	Certification	Tormio
44	Certification	Team:

	α/km	CO (EPA)	7.0	· · · · · · · · · · · · · · · · · · ·	
-	g/km	CO (ARB)	9	•	
	g/km	HC	0.10		
	g/test	Evap.			

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Revised:

Engine Family: 7HNXC0.08AAA

Evaporative Emission Information

45. Evaporative Family: 7HNXE0008EXB

46. Number of Evap. Canisters:

47. Design Working Capacity(g):

48. Configuration: Open Bottom

49. Number of storage Areas:

50. Fuel Reservoir Volume (cc):

51. Vent System Configuration:

5.0

52. Nominal Tank Capacity(liter):

53. Engine Displacement Class:

54. Storage Medium Composition:

55. Evap. Canister Medium Volume (cc):

210 +/- 20/0

56. Evap. Family Sales:

57. Engine Code: 7AB2

58. Evap. Emission Family Code:

07XB

59. Evap. Emission Family Group:

60. Overall Evap D.F.=

Bench DF

61. Test Vehicle ID: 86BB-21

62. Test Results:

Test Number	System Kilameters	Evap. Emission Values (g/test)
1	2500	0.84
2	2500	0.85
3	2500	0.71
4	9000	0.64
5	9000	0.72
6	9000	0.69
7		
Interpolated	Values at 9,000 km:	= 0.683
Extrapolated	Values at 18,000 km:	= 0.522
Bench Test D	.F. = <u>0.00</u> (calcu	lated value = -0.16

External

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

Vehicle DF

63. Test Vehicle ID: 85AD-01

64. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)			
1	2555	1.62			
2	4101	1.52			
3	4128	1.32			
4	6015	0.97			
5	6042	1.13			
6					
7					
Interpolated	Values at 6,000 km	= 1.014			
Extrapolated	Values at 12,000 km	: = <u>-0.132</u>			
Vehicle Test D.F. = 0.00 (calculated value = -1.15)					

2007 HONDA Motorcycle

EONO.M-002-0534

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Revised:

Engine Family: 7HNXC0.08AAA

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 (RPM)	72. Rated Torque (Nm)	73 Rated Speed (RFM)
CIH80	Х	80	49.5 / 41.4	18 (BTDC)	3.7	7500	5.9	5000
	<u> </u>							

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	80. N/V
CH80	170	166 - 175	109.0	175	175	AV	118.9

Item 78:
Curb weight, Rider weight, Production tolerance & Weight of optional accessories