



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 not 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
2005	5HNXC01.3ANA	5HNXE0030UZW	1261	III
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		VEHICLE MODELS (equivalent inertia mass in kilograms, kg)		* = not applicable
2WUOC, 2TWC, 2HO2S, SFI, PAIR		ST1300 (420 kg) ST1300A (420 kg) ST1300P (420 kg)		
ABBREVIATIONS: EM=engine modification TWC=three-way catalyst OC=oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2 (prefix)=parallel (2) (suffix)=in series				

The following are the exhaust hydrocarbons plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) standards, or designated HC+NOx 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+NOx standard, as applicable, shall be listed on the permanent tune-up label.

HC+NOx (g/km)				EARLY COMPLIANCE CREDIT MULTIPLIER		EVAPORATIVE (g/test)	
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
0.8	0.8	*	0.5	12	3	2.0	0.3

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

The designated HC+NOx standard shall be the exhaust emission limit for this engine family and cannot be changed during the model year. It serves as the HC+NOx 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 listed motorcycles are certified to the aforementioned HC+NOx standard, or designated standard as applicable, prior to the 2008 model year and are hereby granted an early-compliance credit multiplier listed above pursuant to Title 13, California Code of Regulations, Section 1958(g).

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.

This Executive Order hereby supersedes Executive Order M-002-0503 dated November 10, 2004.

Executed at El Monte, California on this 17th day of February 2005.


Allen Lyons, Chief
Mobile Source Operations Division

Motorcycle Engine Family Information Form

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@aahm.honda.com

- | | |
|---|--|
| <ol style="list-style-type: none"> 3. Model Year: 2005 4. Process Code: New
(new, correction, revised, r/c, f/f, etc.) 5. Engine Family: 5HNM001.3ANA
 50s Eng. Code: 5DK1
 49s Eng. Code: N/A
 Calif. Eng. Code: N/A 6. Emission Control System: PAIR/SFI/2HO2S/2WUCC/2TWC 7. Calif. Designated Standard(g/km):
 <input type="checkbox"/> N/A
 <input type="checkbox"/> HC
 <input checked="" type="checkbox"/> HC+NOx -0.8 8. Project Annual Sales: CONFIDENTIAL 9. New Technology: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
 If yes, cite the correspondence or reference the submittal document: | <ol style="list-style-type: none"> 10. Displacement(cc): 1261 11. Number of Cylinder: 4 12. Cylinder Arrangement: 90 Degrees V-4 13. Cylinder Head Configuration: OHV/DOHC 14. Type of Cooling: Liquid Cooled 15. Combustion Cycle: Otto 16. Method of Aspiration: Natural 17. Fuel System: Fuel Injection(SFI) 18. Number of Catalytic Converters: 2 |
|---|--|

19. Adjustable Parameters:

Parameters(s)	Adjustable Range (or N/A)	Tamper Resistance Method (or N/A)	Method Approved
None			

20. AECDS in the Emission Control System:

Exhaust System	Evaporative System
AECDS In System: <u>PAIR Valve</u> <u>TP Sensor</u> <u>ECM</u> <u>ECT Sensor</u> <u>IAT Sensor</u> <u>Map Sensor</u> <u>Vehicle Speed Sensor</u> <u>Fuel Pressure Regulator</u> <u>Crankshaft Position Sensor</u> <u>Cam Position Sensor</u> <u>Knock Sensor</u>	AECDS In System: <u>ECM</u> <u>TP Sensor</u> <u>ECT Sensor</u> <u>Crankshaft Position Sensor</u> <u>Vehicle Speed Sensor</u> <u>Evap Canister Purge Valve</u>

Processed by
Stm/ade 2-14-05

Reviewed by
RK 2-15-05

Engine Family: 5HNXC01.3ANA

Motorcycle Test Information Form

27. Are you carrying over test results from a previously certified family? Yes No
 a) If yes, indicate family name: 4HNXC01.3ANA
 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: ST1300A
 29. Test Information Number: 302
 30. Vehicle ID: 03DK-01
 31. Service Accumulation Duration(km): 15016
 32. Maximum Rated Power(kW @ RPM): 93.2 @ 8000
 33. Displacement(cc): 1261
 34. Certification Fuel: Inblene
 35. Test Data Set: 1
 42. Exhaust Emission Deterioration Factor

36. Road Load(NT): 159.9
 37. Inertia Mass(kg): 420
 38. N/V: 34.6
 39. Evap Bench Test Method Approval:
 Date: 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	3608	0.23	1.9	0.19	0.42
2	6552	0.25	2.2	0.18	0.43
3	9739	0.28	2.4	0.18	0.46
4	12814	0.26	2.2	0.18	0.44
5	12844	0.28	2.8	0.19	0.47
6	15016	0.27	2.3	0.18	0.45
7					
Interpolated Values at 15,000km:		HC = 0.2787	CO = 2.5097		
		HC+NOx = 0.4601	NOx =		
Extrapolated Values at 30,000km:		HC = 0.3310	CO = 3.1511		
		HC+NOx = 0.5064	NOx =		

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	2.3			
g/km	CO ₂	145.2			
g/km	HC	0.27			
g/km	NOx	0.18			
g/km	HC+NOx	0.45			
g/test	Evap.	0.21			

(X)
(X)
(X)
(X)
(+)

Deterioration Factors	
	1.256
	1.188
	1.000
	1.101
	0.1

44. Certification Levels:

g/km	CO	3			
g/km	HC	0.3			
g/km	HC+NOx	0.5			
g/test	Evap.	0.3			

Evaporative Emission Information

- 45. Evaporative Family: 5HNXE0030UZW
- 46. Number of Evap. Canisters: 1
- 47. Design Working Capacity(g): 30.0
- 48. Configuration: Open Bottom
- 49. Number of storage Areas: 1
- 50. Fuel Reservoir Volume(cc): N/A
- 51. Vent System Configuration: N/A
- 52. Nominal Tank Capacity(liter): 29.0

- 53. Engine Displacement Class: III
- 54. Storage Medium Composition: Charcoal
- 55. Evap. Canister Medium Volume(cc): 480 +/- 10
- 56. Evap. Family Sales: **CONFIDENTIAL**
- 57. Engine Code: 5DK1
- 58. Evap. Emission Family Code: 05ZW
- 59. Evap. Emission Family Group: U
- 60. Overall Evap D.F.= 0.1

Bench DF

61. Test Vehicle ID: 02EU-01

62. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)
1	3500	0.17
2	3500	0.19
3	3500	0.20
4	15000	0.28
5	15000	0.33
6	15000	0.38
7		
Interpolated Values at 15,000 km =		0.330
Extrapolated Values at 30,000 km =		0.517
Bench Test D.F. =		0.19

Check One:	
Regular DF	<input checked="" type="checkbox"/>
Modified DF	<input type="checkbox"/>
If Different Vehicle Specify Vehicle ID	

Vehicle DF

63. Test Vehicle ID: 03DK-01

64. Test Results:

Test Number	System Kilometers	Evap. Emission Values (g/test)
1	3608	0.30
2	6552	0.37
3	9739	0.27
4	12814	0.30
5	12844	0.24
6	15016	0.21
7		
Interpolated Values at 15,000 km =		0.238
Extrapolated Values at 30,000 km =		0.103
Vehicle Test D.F. =		0.00 (calculated value = -0.14)