


File

 AIR RESOURCES BOARD	KAWASAKI HEAVY INDUSTRIES, LTD.	EXECUTIVE ORDER M-1-316 New On-Road Motorcycles
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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:

<u>Engine Family</u>	<u>Evaporative Family</u>	<u>Displacement (cm³)</u>	<u>Class</u>	<u>ECS & Special Features</u>
1KAXC.124AAA	1KAXE10.5A01	124	I	PAIR

Vehicle Models (Equivalent Inertia Mass): BN125-A4 (260 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:

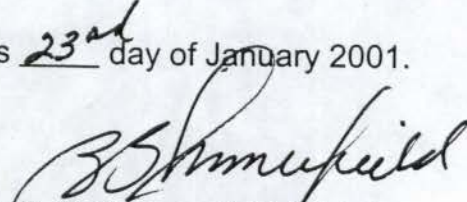
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.0	12	2.0 (1.8)
<u>Certification:</u>	0.9	7	1.5

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 23rd day of January 2001.


 R. B. Summerfield, Chief
 Mobile Source Operations Division

Motorcycle Engine Family Information Form

1. Manufacturer: KAWASAKI HEAVY INDUSTRIES, LTD.

2. Certification Contact Person, address, phone, and fax:

Jeffrey D. Shetler / David Corey
 Kawasaki Motors Corp., U.S.A.
 9950 Jeronimo Road, Irvine, CA 92618-2084
 Tel : 949-770-0400 Fax : 949-460-5602

3. Model Year: 2001

4. Process Code: New
 (new, correction, revision, r/c, f/f. etc.)

5. Engine Family: 1KAXC.124AAA
 50s Engine Code: -
 49s Engine Code: -
 Calif. Engine Code: BN125A-AC1

6. Emission Control System: EM, PAIR

7. Calif. Designated Standard: NA

8. Projected Annual Sales:
CONFIDENTIAL

9. New Technology Yes No
 If yes, cite the correspondence or reference the
 submittal document: _____

10. Displacement: 124 cm³

11. Number of Cylinders: 1

12. Cylinder Arrangement: Single

13. Cylinder Head Configuration: SOHC

14. Type of Cooling: Air

15. Combustion Cycle: 4

16. Method of Aspiration: Natural

17. Fuel System: Carburetor

18. Number of Catalytic Converters: NA

CONFIDENTIAL

19. Adjustable Parameters:

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved
Air adjust on carburetor (Air/Fuel Ratio)	NA	A tamper proof cap is placed over the adjusting screw	Carry over

20. AECDs In the Emission Control Systems:

Exhaust System	Evaporative System
AECDs In System: <div style="text-align: center;"> <u>EM and PAIR</u> _____ _____ _____ _____ </div>	AECDs In System: <div style="text-align: center;"> <u>Sealed loop</u> <u>with Canister</u> _____ _____ _____ </div>

E.O.#: M-1-316

Engine Family: 1KAXC.124AAA

Motorcycle Test Information Form

O.1

27. Are you carrying over test results from a previously certified family? Yes No
 a) If yes, indicate family name:
 b) Is the family being certified identical to the family from which the data is being carried over?

28. Model Designation of Test Vehicle: BN125-A4

29. Test Information Number: 01-1

30. Vehicle ID: JKABN125AADA00076

31. Service Accumulation Duration: 6000 (km)

32. Maximum Rated Power: 8.8 kW @ 9500 RPM

33. Displacement: 124 cc

34. Certification Fuel: Indolene: 91-95 RON

35. Test Data Set: Test 1

36. Road Load: 127.3 nt at 65 kph

37. Inertia Mass: 260 kg

38. N/V. 94.67

39. EVAP. Bench Test Method Approved:
Date: 2/23/1983

Reference: 84ARB-03

40. Unscheduled Maintenance: Yes No

41. If yes, Vehicle Log provided: _____

42. Exhaust Emission Deterioration Factors:

Test Number	System Kilometers	Emission Values	
		HC	CO
1	2500	0.52	7.8
2	3700	0.54	7.9
3	4800	0.64	7.4
4	6000	0.65	7.8
* 5	6030	0.64	7.4
6			
7			
Interpolated Values at <u>6000</u> km:		HC = <u>0.6610</u>	CO = <u>7.6535</u>
Extrapolated Values at <u>12000</u> km:		HC = <u>0.9128</u>	CO = <u>7.4083</u>

* Per CARB request, this test was performed because the certification levels exceed 85 % of the standard.

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	<u>7.4</u>			
g/km	CO ₂	43.4			
g/km	HC	<u>0.64</u>			
g/test	Evap.	1.505			

(X)

(X)

(+)

Deterioration Factors
1.000

1.381
0.000

44. Certification Levels:

g/km	CO	<u>7</u>		
g/km	~ HC	<u>0.9</u>		
g/test	Evap.	<u>1.505</u>		

Application Processed by: Joseph Jegede Date: 1/22/01

Reviewed by: Stada Date: 1/22/01