State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER M-2-175
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for four-stroke gasoline-powered motorcycles:

Engine Family	Displacement Cubic Centimeters	Displacement Class	Exhaust Emission Control Systems (Special Features)
LHN099844H4	998	III	Pulsed Secondary Air Injection

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 exhaust emission certification values for this engine family. The designated hydrocarbons standard shall be listed on the permanent tune-up label:

Hydrocarbons Standards (Corporate Average) Grams per Kilometer	Hydrocarbons Standards (Designated) Grams per Kilometer	Hydrocarbons (Certification) Grams per Kilometer	Carbon Monoxide (Standard) Grams per Kilometer	Carbon Monoxide (Certification) Grams per Kilometer
1.4	1.5	1.1	12	10

BE IT FURTHER RESOLVED: That the above-described certification is subject to the following terms, limitations and conditions:

The above designated hydrocarbons standard shall be the exhaust limit for this engine family during the model year and therefore cannot be redesignated by the manufacturer. It represents the hydrocarbons exhaust emission standard applicable to this engine family that shall be applied when determining compliance of any motorcycle within this engine family pursuant to Section 2101 of Title 13, California Code of Regulations. It will also be used to determine compliance with the above corporate average hydrocarbons standard as required per Section 1958(b), Title 13 of the California Code of Regulations.

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 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

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.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 15th day of December, 1989.

K. D. Drachand, Chief
Mobile Source Division

E.O. NO. M- 2-175

MOTORCYCLE

1990 MODEL-YEAR CERTIFICATION CHECK-OFF SHEET

Manufacturer Honda Motor Co., Ltd. 0.589

Engine Family LHN099844H4 (CBR1000F)

Evaporative Family 90ZS

Evaporative Group 90H

Cubic Centimeter 998

Eng. Type 4 cylinders

L-4 cyl. arrangement

Liquid cooling medium

4 valves/cylinder

4 strokes/cycle

Natural aspiration method

Rated HP 93.2 kw @ 9500 rpm, Rated Torque 9.7 kg-m @ 8500 rpm

Exh. ECS & (Special Features) PAIR

		Page No. in Application
1.	Warranty Statement	17.04-1
2.	Warranty Parts List	17.04-2
3.	Tune-up Label with HC Std./ Vac. Hose Diag.	07-90DH-1 /17.03-90DH-1
4.	Projected Sales	09-90ZS-4
5.	Vehicle Description	10-90DH-6
6.	Durability Data Plot (Exhaust/Evaporative)	13.09-90ZS-1

7.	California Sales < 5,000	~~YES~~	NO
8.	Small Volume Mfr. Progress Report	Date:	DNA
9.	Carry-Over/Carry-Across	Exhaust	Evaporative
	Durability	'90 LHN099844H4	'90 90ZS
	Bench	N/A	'85 85ZT
	Emission	'90 LHN099844H4	'90 90ZS
10.	Type Evaporative Control	Canister open system	
11.	Evap. Bench Test Proc. Approval	Date: March 9, 1983	
12.	Fill Pipe/Access Zone	~~Next or~~ Exempt	
13.	EPA Certificate	~~YES~~ PENDING ~~NO~~	
14.	Corporate Plan	Date: 10/13/89 ~~or DNA~~	

(1) Projected Emissions (Include DFs)

Vehicle I.D.	Code	Displ	Trans	EIM	RL Force	MPG	HC gm/km	CO gm/km	Evap gm/test
90DH-01	LDH1	998	M6	360	147.7	35.0	~~1.1~~ 1.07	~~10~~ 9.6	1.45
Certification level		998	M6	360	147.7	---	1.1	10	1.4

~~1.0 Corporate Avg.~~
1.4 Corporate Avg.

(1) Comply with class III standards of ~~1.0~~ 12 2.0

and include deterioration factors of 1.000 1.028 0.1

1990 CBR1000F 1985 VF1000R

Evaporative DF is average of Vehicle (0.23) and Bench (0.03)

The designated exhaust HC emission standard is: 1.5 g/km ~~or DNA~~

Remarks:

Application Processed By L Hoda Date 12/12/89 Reviewed By [signature] Date 12/12/89

EVAP8/90 COS-15