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	CAREFREE CUSTOM CYCLES	EXECUTIVE ORDER M-47-2 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>
1CCCC01.9SRJ	1CCCE0066SRJ	1639, 1754 and 1853	III	EM

Vehicle Models (Equivalent Inertia Mass): Colorado (1639, 1754, and 1853 cc) (390 kg)
Mojave (1639, 1754, and 1853 cc) (390 kg)
Sierra (1639, 1754, and 1853 cc) (390 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:

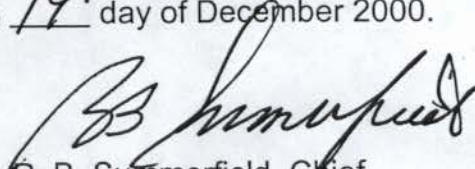
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.4	12	2.0 (1.8)
<u>Certification:</u>	1.0	8	0.9

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 19th day of December 2000.


R. B. Summerfield, Chief
Mobile Source Operations Division

Issued:
Revised:

Motorcycle Engine Family Information Form

1. Manufacturer: Carefree Custom Cycles

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

Kathleen H. Wolf	tel. 909-626-1395
Harrison / Wolf	fax. 909-626-2906
1275 N. Indian Hill Blvd.	
Claremont, CA 91711	

3. Model Year: 2001

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

5. Engine Family: 1CCCC01.9SRJ
50s Engine Code: _____
49s Engine Code: _____
Calif. Engine Code: _____

6. Emission Control System: EM

7. Calif. Designated Standard: _____

8. Projected Annual Sales:
CONFIDENTIAL

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

10. Displacement: 1639, 1754, 1853 cc

11. Number of Cylinders: 2

12. Cylinder Arrangement: 45° V-Twin

13. Cylinder Head Configuration: OHV

14. Type of Cooling: Air

15. Combustion Cycle: 4 stroke

16. Method of Aspiration: normal

17. Fuel System: carbureted

18. Number of Catalytic Converters: _____

19. Adjustable Parameters:

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved

20. AECDs In the Emission Control Systems:

Exhaust System	Evaporative System
AECDs In System: _____	AECDs In System: _____
_____	_____
_____	_____
_____	_____
_____	_____

Engine Family: 1CCCC01.9SRJ

Motorcycle Test Information Form

0.02

27. Are you carrying over test results from a previously certified family? Yes ___ No
 a) If yes, indicate family name: YCCCC01.9SRJ
 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: **Colorado**
 29. Test Information Number: 1
 30. Vehicle ID: **AZ224039**
 31. Service Accumulation Duration: **15,000 km**
 32. Maximum Rated Power **102 kW @ 5500 RPM**
 33. Displacement **1639 cc**
 34. Certification Fuel: **Indolene**
 35. Test Data Set: 1

36. Road Load: **153.8**
 37. Inertia Mass: **390 kg**
 38. N/V: **26.4**
 39. EVAP. Bench Test Method Approved:
 Date: **N/A**
 Reference: _____
 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	3523	0.8340	9.0340
2	5050	0.7440	10.1620
3	6457	0.7140	10.2200
4	8207	0.8860	8.1740
5	12083	0.8170	7.5120
6	14986	0.8790	7.6020
7			
Interpoated Values at 15000 km:		HC = 0.865	CO = 7.335
Extrapolated Values at 30000 km:		HC = 0.983	CO = 4.049

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	7.6020			
g/km	CO ²	133.497			
g/km	HC	0.8790			
g/test	Evap.	0.420			

Deterioration Factors
(X) 1.000

(X) 1.137
(+) 0.5

44. Certification Levels:

g/km	CO	7.602			
g/km	HC	0.999			
g/test	Evap.	0.920			

Application Processed by: Joseph Jegede Date: 12/18/00
 Reviewed by: J. Hach Date: 12/18/00