



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.

MODEL YEAR	ENGINE FAMILY	EVAPORATIVE FAMILY	ENGINE DISPLACEMENT (cc)	CLASS
2003	3HDXC1.45CCA	3HDXE0066CCB	1449	III
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		VEHICLE MODELS (equivalent inertia mass in kilograms, kg)		* = not applicable
OC		SEE ATTACHMENT		
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 hydrocarbon (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.

CORPORATE AVERAGE STANDARD	HC (g/km)			CO (g/km)		EVAPORATIVE (g/test)	
	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
1.4	1.2	*	1.2	12	11	2.0	0.9

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 material 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 18TH day of June 2002.

Allen Lyons, Chief
Mobile Source Operations Division

ATTACHMENT

Model Year: 2003
 Manufacturer Name: Harley-Davidson
 Engine Family: 3HDXC1.45CCA
ON-HIGHWAY MOTORCYCLES SUPPLEMENTAL INFORMATION

Page: _____
 Issued: _____
 Revised: _____
 E.O.#: M-005-0096

S11. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S12. Vehicle Or Engine Model	S13. Engine Code	S14. Sales Codes (Check ALL appropriate)			S15. Eng. Displ. (cc)	S16. Rated Power (hp)	S17. Rated Speed (RPM)	S18. Trans. (e.g., M5, A3, CVT)	S19. EIM (kg)	S20. RLF (nt)
		Calif. Only	49- State	50- State						
FLHTC	P22-6	X			1450	78	4,500	M5	178.5	560*
FLHT										
FLHR										
FLSTC										
FLSTF										
FLSTS										
FXD										
FXDL										
FXDP										
FXDWG										
FXDX										
FXDXT										
FXST										
FXSTB										
FXSTD										
FXSTD-A										
FLSTS-A										
FXDWG-A										
FLSTF-A										
FLHTC-A										
FXDL-A										
FLSTC-A										
FXSTS										

* representative for all vehicles in family