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 for use as a replacement engine in two-wheeled motorcycles as described below. Production engines shall be in all material respects identical to those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	EVAPORATIVE FAMILY	ENGINE DISPLACEMENTS (cc)	CLASS
2007	7SSXC0096155	7SSXE0066161	1564, 1522, 1458, 1438, 1340, 1290	
SPECIAL	FEATURES &	EN	GINE MODEL	* = not applicable
	EM		1564 cc: V96E 1522 cc: V93E 1458 cc: V89E 1438 cc: V88E 1340 cc: V80E 1290 cc: V79E	
ABBREVIATIONS: HO2S=heated O2S	EM=engine modification 1 S EGR=exhaust gas recircul uel inlection DFI=direct fuel	WC=three-way catalyst OC=oxidizin ation AIR=secondary air injection P injection TC/SC=turbo/super charge	g catalyst WUTWC/WUOC=warm-up TWC/OC O AIR=pulsed AIR MFI=multi port fuel injection SF ar CAC=charge air cooler 2 (prefix)=parallel (2)	2S≍oxygen sensor ≃sequential MFI) (suffix)=in series

The above-listed engine is certified to replace the existing engines of Harley-Davidson models that use the engines and evaporative systems listed on the supplemental data sheet for this executive order.

The following are the exhaust hydrocarbons (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.

· · · · · · · · · · · · · · · · · · ·	HC	(g/km)		CO	(g/km)	EVAPOR/	TIVE (g/test)
	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
STANDARD *	. *	1.4	0.6	12	6	2.0	1.0

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 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 this executive order does not provide an opinion as to the effect that the use of the aforementioned engine family as a replacement engine may have on the original vehicle manufacturer's warranty, either expressed or implied, for the vehicle applications listed on the supplemental data sheet of this executive order.

BE IT FURTHER RESOLVED: That compliance with "California Evaporative Emission Standards and Test Procedures for 2001 And Subsequent Model Motor Vehicles" has been demonstrated for the use of the aforementioned engine family as a replacement engine in the listed vehicle applications.

BE IT FURTHER RESOLVED: That the vehicles listed on the supplemental data sheet of this Executive Order and equipped with engines in this engine family are exempted 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.

Engines 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. Engines 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 _26 day of February 2007.

Stelek

Annette Hebert, Chief Mobile Source Operations Division

odel Designation /	
Engine	
Replacement List	

M-044-0017

		165/4	RLP
	163.7	432	EIN
1	440	A00	Emis Cont
<u> </u>			
	80-EV-9		Con Code
	EV1340		Eng Family
1			Displacement
	U FLICO FLEO FASI AND	FLTC FXRP FLHTP FLHTC FLHS FLH1	Model Name
	THE FYRE FYRE FYRE FXRE FXRE FXRE FXRE FXRE		MY 1989
		169,4	RLP
	462 7	490	EM
	440		Emis Cont
	P		
	80-EV-9		
	EV1340		Eng Family
	1339		Displacement
	I FXRT FLST FXST FXSTC FXLR FXR FXSTS	FLTC FLHS FXRP FLHTP FLHTC FXR	Model Nama
		169.4	RLP
		490	EIM
			Emis Cont
		80-EV-7 80-EV-8 80-EV-7	Eng Code
			Eng Family
			Displacement
	A336 C	FLTC FXRP FXRS FLHTP FLHTC FLS	Model Name
	The second secon		MY 1987
	122.4	169.4 145.6 143.6	RLP
		490 350 340	EIM
	2001		Emis Cont
	Qui E VIO	80-EV-5	Eng Code
			Eng Family
4	1338.6		Displacement
4	FXEF FXR FXRUG FARF FARS JAN	FLT FLHT FLHTP FLHTC FLTC FXE	Model Name
	The second secon		MY 1985
	133.4	169.4 143.6	
	280	490 340	
•	EX		Emis Cont
	80-EV-2	80-EV-1	Enn Code
	EV1340		Enn Family
	1336.6		Displacement
	FXRP FXRS FXRT FXS FXSI FXSD FXED	FLT FLTC FXE FXEF FXR FXRD	Model Name
			MY 1985
		103.4	RCP
	143.6 141.8 133.4	450 / 145.6	
	340 330 422 4	350	Emis Cont
			Engloa
		80-EV-1	Eng Famuy
	EV1340 AD.4V.7		Displacement
	1338.6		Model Name
FXRT FXS FXSI FXSB FXFF9	FLHTC FLHTP FLTC FLHS FXB FXE FXEF FXR FXRP FXRS		MY 1984
			Milach
1100-44-0011	Model Designation / Engine Replacement List	mond-in inf 2)	

		560	
	560	Constitut Catalytic Converter	Emis Cont
	equential Multiport Fuel Injection		Eng Code
	80-F1-1	10 D/ 73 00 D/ 10 00 D/ 23 00 D/ 25	
	SHD1.3P8GARA	SHD1 3P1GOAA	Ena Family
		1338	Displacement
		J FLHTG UF FLHTP FLHT FLHT FLHT FLSTC FLSTF FLSTN FXUMG FXSTC FXSTS FXUSC FXSTC FXSTC FXSTC	Model Name FL
		I I I I I I I I I I I I I I I I I I I	MY 1995
		103.4	KLP
		163.7	2
		490 440	E N
		BM	Emis Cont
		80-EV-19	Eng Code
			Ynurs Dua
		RHD1 3P/GARA	
		1338	Displacement
		J ELHTC U FLHTC FLHTP FLSTF FLHR FLHS FLSTN FXOWG FXR FXRP FXSTC FXSTS FXLK FAUL FAUS FAUS	Model Name FL
			MY 1994
			KLT
		160.4 163.7	2
		490 440	EN
		EM	Emis Cont
		80-EV-15 80-EV-17	Eng Code
		EV1340	Eng Family
			Displacement
	-		
	FXLR FXDL	I EI HTC III EI HTC EI HTP ELHS ELSTC FLSTF FLSTN FXDWG FXR FXRP FXRSC FXRS FXRT FXSTC FXSTS	Madal Nama
			T 2661 AW
		169.4	RLP
		490 440	E
			Emis Cont
		B7	End Cous
		80-EV-17 80-EV-17	Eng ranny
	•	EVI340	
		1338	Displacement
	FXLR FXDC	FLHTC FLHTC U FLHTP FLTC U FLSTC FLSTF FXDB-D FXR FXRP FXRS FXRS C FXRS S FXRT FXSTC FXSTS	Model Name FL
			MY 1992
		163.4 163.7	RLP
			ti N
		440	Emis Cont
		EN	
		80-EV-11 80-EV-13	Eng Code
		EV1340	End Family
		1336	Displacement
		FLHTC FLHTC U FLHTP FLTC FLTC FLSTC FLSTF FXDS FXR FXRP FXRS FXRS FXRS FXRS FXRS FXRS	Model Name FL
			MY 1951
		169.4 Inc. /	RLP
		490	
			Emis Cont
		BL BL	Eng Code
		80-EV-13	Eng Falliny
		EV1340	Capita Comity
		1338	Dichlarament
	FXSI FXSIC FXSIS	FLHTC FLHTC U FLHTP FLTC FLTC U FXRP FLST FLSTC FLSTF FXDS FXRS FXRS FXRS FXRS FXRS FXRS	Model Name FL
			0217 MM
		(0.2 OF 3)	Attachment
7100-111	M-	Model Designation / Engine Replacement List	
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M-044-0017

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			440		
		660	Oxidation Catalyst		Emis Cont
		Sequential Multiport Fuel Injection	DUTEV-23		Eng Code
		80-F1-3	A DAD		Eng Family
		XHDXC01.3AEA			Displacement
		1338		FLSIC FLSIC	Nodel Name
	PI FLTCRI	FLHTC UT FLHTC I FLHR I FLTRI FLHRC I FLHP I FLHTT	EI STS FXST FXSTC FXSTS FXSTE		MY 1999
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		/cal	177.3		
177.3			560		
560					Emis Cont
Sequential Multiport Fuel Injection			3-EV-27	20	Ena Code
80-FI-3		HDACOLOCUCA 80-EV-29			Eng Family
WHDXC01.3AEA					Displacement
		1338	FLHR FLHT FLIK FLATC FLAT	FLHTCU FLHTC F	Model Name
FLHR I FLTRI FLHRC I FLHP I FLHTP I FLTCRI	C FXSTSB FLHTC UI FLHTC I	FI STS FXDL FXOWG FXSTC FXSTS FXD FXDS			MY 1998
				177.3	RLP
	177.3	4P3 7		560	
	196	440			Emis Cont
	Sequerital Nanuport Fuer injects	aivic Converter	- Oxidation Cal	00-57-2	Eng Code
	A stand Gud histing	80-EV-29			Eng Family
	80-FL3	PIGAAA	VHD1.3		
	VHD1.3P8GARA				Dicriacement
		- 133A	LHR FLHT FLSTC FLSTF FLSTS	FLHTCU FLHTC F	Model Name
	B FLHTC UI FLHTC I FLHR I	EXAN EXAMPLE FXSTC FXSTS FXD FXDS C FXSTS			MY 1997
					XLF
		163.7		177.3	
	177.3	E E E E E E E E E E E E E E E E E E E		560	
	560				Emis Cont
-	Sequential Multiport Fuel Injection			80-EV-27	Eng Code
		80-EV-29			Eng Family
		HGOAA	THD1.3		Displacement
	TUDI JDAGARA	1338		FLHTC UL FLATE L	Model Name
	FLHTC UN FLHTC I FLHR I	FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB	UB FINT FLSTC FLSTF FXDL		MY 1996
			177.3		RLP
		163.7			THUC VIIVI
177.3			~ いた、ひ)	01 +10	
			MO MO		

RLP

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