California Environmental Protection Agency

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	7SSXC0124309	7SSXE0066161	2026, 1916, 1807	, ill
SPECIAL	FEATURES &	ENC	GINE MODEL	* = not applicable
EMISSION CO	EM		2026 cc: V124E 1916 cc: V117E 1807 cc: V111F	
ABBREVIATIONS: H02S=heated 02 TBi=throttle body f	EM=engine modification S EGR=exhaust gas recircu uel injection DFI¤direct fue	 IWC=three-way catalyst OC=oxidizin lation AIR≈secondary air injection P/ I injection TC/SC≖turbo/super charge	g catalyst WUTWC/WUOC=warm-up TWC/OC C g catalyst WUTWC/WUOC=warm-up TWC/OC C IR=pulsed AIR MFI=multi port fuel injection SR r CAC=charge air cooler 2 (prefix)=parallel (2)25=oxygen sensor Fi=sequential MFi 2) (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 hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) standards, or designated HC+NOx 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+NOx standard, as applicable, shall be listed on the permanent tune-up label.

				EARLY COMPL	IANCE CREDIT MUL	TIPLIER	•			
	HC+NOx	o/km)	CO	(g/km)	(m) EVAPORATIVE (g/test)					
CORPORATE AVERAGE		(DIRECT) STANDARD	CERTIFICATION	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL			
STANDARD	*	1.4	1.0	12	9	2.0	1.0			

BE IT FURTHER RESOLVED: That certification to the designated HC+NOx standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated HC+NOx standard shall be the exhaust emission limit for this engine family and cannot be changed during the model year. It serves as the HC+NOx 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 for certification to the above-listed HC+NOx emission standard, or designated standard as applicable, the engine family has been granted an early-compliance credit multiplier listed above for use in the 2008 model-year in accordance with Title 13, California Code of Regulations, Section 1958(g).

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.

Annette Hebert, Chief Mobile Source Operations Division

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0-F1-1	SHD1.3P1GOAA 80		Displacement
3P8GARA	1339b SHD1.3		Auren Japow
	FLSTC FLSTF FLSTN FXUWG FASIC FASIS	ETTC IL FEI HTC II FLHTC FLHTP FLHT FLH	CEAL AM
HTC UI	FLH		
			RLP
		169.4	
	183 7	490	
	440		Emis Cont
		01-A3-00	Eng Code
	84-47-1		Eng Family
	RHD13P1GARA		Displacement
	1338		
		FLTC U FLHTC U FLHTC FLHTP FLSTF FLH	Model Name
	FUR FISTN FXDWG FXR FXRP FXSTC FXSTS FXLR FXDL FXDSU FLSTU		MY 1994
			RLP
	10.7	*S5	
	0449		Emis Cont
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		FLTC U FLHTC U FLHTC FLHTP FLHS FLS1	Model Name
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	183.7	490	EIM
	440		Emis Cont
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	80-EV-17		Eng Family
	EV1340		Displacement
	1338		Model Name
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			RLP
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		490	Emis Cont
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		80-EV-11	Eng Family
	EV 1370 80-EV-13		
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B FXDB			
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C FXSIS	THE TO FIGTE FXDS FXR FXRS FXRS FXRS FXRS FXRS FXRT FXST		
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	Model Designation / Engine Replacements		

RLP	EIM	Eng Code	Eng Family	Displacement	MY 1999 Model Name		FIN	Emis Cont	Eno Code	Eng Family	Displacement	Model Name	866T AW	RLP	EIM	Emis Cont	Eng Code	Eng Family	Displacement	Model Name	MY 1997	RLP	EIM	Emis Cont	Eng Loge		Con Camily	Displacement	Model Name F		Attach		
163.7	440	Oxidation Catalyst	80-EV-29	XHDXC01.3CCA	FLSTC FLSTF FLSTS FXST FXST	177.3	560		80-EV-27			FLHTCU FLHTC FLHR FLHT FLIK				09%		AD-EV-27		FLHTCU FLHTC FLHR FLHI FLSIC		177.3				80-EV-27			LHTC U FLHTC FLHR FLHT FLSTC		MENT LY. JUL	(shapta)	•
					C FXSTS FXSTB FLHT						WHDXCD	FLOID (1997) (199					Oxidation Catalytic Co		VHD1.3P1GAM	1	FISTE FLSTS FXDL				Oxidation Catalytic Con		1001.001.001.001.001.001.001.001.001	THIN1 3P1GOAA	FLSTF FXDL FLSIN				Model D
	177.3	Sequential Multiply From Hydroxy	80-Fi-a	XHDXC01 3AEA	CUIFLHTCI FLHRI FLHRI FLHRCI FLHPI		163.7	440	Catabra	80-EV-29	1,3CCA	1338	TS FXOL FXDWG FXSTC FXSTS FXD F		163./	440	onverter	80-EV-29	A	1338	FXDWG FXSTC FXSTS FXD FXDS C FX		163.7	440			AU-EV-29		1338	EXAMPLE EXSTC FXSTS FXD FXDS C FXS	163.7		Designation / Engine Replacement Li
					LHTP I FLTCR								(DS C FXSTSB FLHTC UV FLHTC I			177.3	560	Sequential Multiport Fuel Injecti	80-F+-3	VHD1.3P8GARA	STSB FLHTC U FLHTCI FLHRI			177.3	580	Sequential Multiport Fuel Inject		an El-2	THIN1 3PRGARA	TSB FLHTC UI FLHTC I FLHR 1			st
								177.3	560	Servential Multiport Fuel Injection	80-F1-3	WHDXC01,3AEA						•														177.3	M-044-0015

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