

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 7SSXE0066161	ENGINE DISPLACEMENTS (cc) 1853, 1750, 1647	CLASS
SPECIAL	7SSXC0113161 FEATURES & ONTROL SYSTEMS		GINE MODEL	* ≈ not applicable
EWISSION CC	EM		1853 cc: V113Ë 1750 cc: V107E 1647 cc: V100E	
ABBREVIATIONS: HO2S=heated O2S	EM=engine modification EGR=exhaust gas recirculated intection DFI=direct fue	TWC=three-way catalyst OC=oxidizin lation AIR=secondary air injection P/ injection TC/SC=turbo/super charge	g catalyst WUTWC/WUOC≃warm-up TWC/OC AIR≖pulsed AIR MFI≖multi port fuel injection r CAC=charge air cooler 2 (prefix)≖parallel	O2S≃oxygen senso SFI≖sequential MFI (2) (suffix)≈in serie

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 COMP	JANCE CREDIT MUL	TIPLIER	
	HC+NOx	a/km)		co	(g/km)	EVAPOR	ATIVE (g/test)
CORPORATE AVERAGE	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
STANDARD	*	1.4	1.0	12	12	2.0	1.2

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

Model Designation / Engine Replacement List

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Attachment (p. 2 of 3)

Model Designation / Engine Replacement List

W-044-0016

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Model Designation / Engine Replacement List

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FLHTC FLHT FLHT FLSTC FLSTF FX00 FLSTR FX00 FXSTC FXSTS FX00 FXSTS FXD FXSTS FLHTC U FLHTC FL	FLHTC FLHT FLHT FLSTC FLSTF FXOL FLSTN FXOWG FXSTC FXSTS FXO FXOS C FXSTSB FLHTC FLHTC FLHTR FLHT FLSTC FLSTN FXOWG FXSTC FXSTS FXO FXOS C FXSTSB FLHTC FLHTC FLHTR FLHT FLSTS FXOL FXSTS FXO FXSTS FXO FXSTSB FLHTC FLHTC FLHTC FLHTC FLHTC FLHTC FLSTS FXOL FXSTC FXSTS FXO FXSTSB FLHTC	WHDXC01.3AEA			Displacement
FLHTC FLHT FLSTC FLSTF FXOL FLSTN FXOWG FXSTS FXD FXOS C FXSTSB FLHTC U FLHTC FLHTR FLSTC FXOL FXOWG FXSTC FXSTS FXO FXOS C FXSTSB FLHTC U FLHTC FLHTR FLHTR FLHTR FLSTC FXOL FXOWG FXSTC FXSTS FXO FXOS C FXSTSB FLHTC U FLHTC FLHTR FLHTR FLHTR FLHTR FLHTR FXOL FXSTS FXOR FXSTSB FXOR FXSTSB FLHTC U FLHTC FLHTR FLHTR FLHTR FLHTR FLHTR FXOR FXSTSB FXOR FXSTSB	FLHTC FLHT FLSTC FLSTF FXDL FLSTR FXDWG FXSTC FXSTS FXDS C FXSTS FLHTC FLSTS FXDL FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC FLHTC FLHTC FLHTC FLHTC FLSTS FXDL FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC	FLIKI FLIKE FLIF	FLSTS FXDL FXDWG FXSTC FXSTS FXD	FLHR FLHT FLTR	Model Name
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FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB		1/1.3	163.7	177.2	
FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB			440	585	
FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTS FXD FXDS C FXSTSB	FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC FLHR FLHTC FLHR FLHT FLBTN FXDL FLBTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC FLHR FLHT FLSTS FXDL FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC FLHR FLHT FLSTS FXDL FXDWG FXSTG FXSTSB FLHTC FLHR FLHTC FLSTS FXDL FXDWG FXSTG FXSTSB FLHTC FLHR FLHTC FLHR FLHTC FLSTS FXDL FXDWG FXSTS FXD FXDS C FXSTSB FLHTC FLHR FLHR FLHTC FLHR FLHR FLHTC FLHR FLHR FLHR FLHTC FLHR F	580		Oxidatio	Emis Cont
FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB		Multiport Fuel Injecti			Eng Code
FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB		80-F1-3			Eng Family
FLHTC FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB)t 3P8GARA			Displacement
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB			1338	FLAK FUNI FUSIC (FOIL)	Model Name
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTS8	FLHTC FLHR FLHT FLSTC FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC U FLHTC FLHTC	FLHTC FLHR	FXDL FXDWG FXSTC FXSTS FXD FXDS	21.32	MY 1997
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTS8					355
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTS FXD FXDS C FXSTS8			163.7	177.3	2
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTS8 FXD FXDS C FXSTS C FXSTS C FXSTS C FXSTS C FXDS C FXSTS C FXDS C FXSTS C FXDS C FXSTS C FXDS C FXSTS C FXSTS C FXDS C FXDS C FXDS C FXDS C FXDS C FXDS C FXSTS C FXDS C	FLHTC FLHR FLHT FLSTC FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC U FLHTC FLHR FLHTC FLHR FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC U FLHTC FLHR FLHTC FLHT	177.3	140	560	E K
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTS8 FXD FXDS C FXSTS8 FXD FXDS C FXSTS FXD FXDS C FXSTS8 FXD FXDS C FXSTS C FXSTS C FXD FXDS C FXD FXD FXD FXD FXD FXD FXD FXD C FXD FX		560		Oxidatio	Emis Cont
FLHTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC FLHTC FLHTC 1338		Wultiport Fuel Inject			Eng Code
FLHTC U FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC U FLHTC I THD1.3P1GOAA THD1.3P1GOAA		80-F-12	80-EV-29		Eng Family
FLHTC U FLHT FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC U FLHTC I 1338	FLHTC U FLHT FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTC FXSTS FXD FXDS C FXSTSB FLHTC U FLHR I 1338	1,3PBGAKA		1	Displacement
177.3 FLYTC FLHR FLHT FLSTC FLSTF FXDL FLSTN FXDWG FXSTG FXSTS FXD FXDS C FXSTSB FLHTC UI FLHTC!	WYKC/L! (17' > CT - 27' 163.7		1338		Model Marke
177.3	163.7	-LHTC FLHR I	FLSTN FXDWG FXSTC FXSTS FXD	FI HR FLHT FLSTC FLSTF	MY 1996
177.3	163.7				
	1007		193.7	177.3	RL 9