

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		
2005	5SSXC0113161	5SSXE0066161	1853, 1750, 1647	111		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		ENGINE MODEL		* = not applicable		
	EM	113cid, 107cid, 100cid				

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 COMPLIANCE CREDIT MULTIPLIER			
	HC+NOx (g/km)				CO (g/km)		EVAPORATIVE (g/test)	
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	
*	*	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: The use of the this engine family as a replacement engine in the vehicle applications listed on the supplemental data sheet of this executive order is 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 2/37 day of June 2005.

Allen Lyons, Chief Mobile Source Operations Division

Attachment

Supplemental Data Sweet Model Designation / L. Jine Replacement List

M-044-0010

L FLHB FLHC FLHP FLHT FLHTP FLTC FLTC FLTC FLTC FLTC FLTC FLTC FLTC	TC FXE FXEF FXRD FXRS FXRT FXSB FXWG 1336 EV1340 EV1340 EM 290 40	LHT FLHTC FLHTC FXE FXRDG FXRD FXRT FXST FXSG FXWG 80-EV-5 EM 290 80-EV-6 80-EV-6	FXRS FLHTP FLHTC FLHT FXRT FXBT FXBT FXBT FXBT FXBC 80-EV-8 80-EV-7 80-EV-8 80-EV-8 80-EV-8 80-EV-8 490 FM 440 440 430 169-4 169-4 163-7 163-7	FXRP FLHTP FLHTC FXRS FXRT FLST FXSTC FXLR FXRT FXSTS FX	FXRP FLHTC FLHTC FLHTC U FLTC U FLTC U FLTC U FXST C FXST C
_	EUT FLTC FXE 80-EV-1 490 340 1694 1436	ELHT	FLTC FXRP FXRS 80-EV-7 80-EV-8 490	FLTC FLHS FXRP 490 469.	FLTC FXRP
MY 1984 Model Name Displacement Eng Family Eng Code Emis Cont	MV 1985 Model Name Displacement Eng Family Eng Code Emis Cont EIM	MY 1986 Model Name Displacement Eng Family Eng Code Emis Cont	MY 1987 Model Name Displacement Eng Family Eng Code Emis Cont ElM RLP	MY 1988 Model Name Displacement Eng Family Eng Code Emis Cont EIM RLP	My 1989 Model Name Displacement Eng Family Eng Cude Enis Cont Enis Cont

Supplemental Data Sheet Model Designation / E. ... ie Replacement List

Attachment

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FLTC FLTC FXRP FLST FLSTF FXDS FXR FXRS FXRS FXRT FXST FXST	FLHTC U FLHTP FLTC FLTC FLSTF FXDS FXR FXRS FXRS FXRS FXRS FXRT FXSTC FXSTS FXLR FXDB FX	FXSTS FXLR	FINT FLHT FLHT FLHT FLST FXR FXR	C U FLHTC FLHTP FLSTF FLHTP FLSTF FLHTP FLSTF FLHTP FLSTF FXDMG FXR FXSTC FXSTS FXLR FXDL FXDS C FLSTC FXDS C FXD	TC FLHTC FLHT FLHR FLSTC FLSTF FLSTR FXDWG FXSTC FXSTG FXDS FXDS FXDS FXDS FXDS FXDS FLHTC UII
99.9	FLHS FLHTC FLHTC U FLHTP 80-EV-11 490 189.4	FLHS FLHTC FLHTP U FLHTP 80-EV-15 450 169.4	FLTC U FLHTC U FLHTP SOEV-15 490 489.45	FLTC U FLHTC U FLHTC FLHTI 80-EV-19 490 490	
My 1990 Model Name F Displacement Eng Family Eng Code Emis Cont EIM RLP	MY 1991 Model Name Displacement Eng Family Eng Code Emis Cont ElM RLP	MY 1992 Model Name Displacement Eng Family Eng Code Emis Cont EM RLP	MY 1993 Model Name Displacement Eng Family Eng Code Emis Cott ElM RLP	MY 1994 Model Name Displacement Eng Family Eng Code Emis Cont ElM RLP	My 1995 Model Name Displacement Eng Family Eng Code Emis Cont

Supplemental Data Sheet Model Designation / Engine Replacement List

M-044-0010

FLTR FLSTC FLSTS FXDL FXDWG FXSTC FXSTS FXD FXDSC FXSTSB FLHTC W FLHTC I FLHRI FLHRCI FLHRCI FLHRI FLHRI FLHRI Sequential Multiport Fuel Injection WHDXC01.3AEA 560 177.3 Sequential Multiport Fuel Injection FLHTCU FLHTC FLHR FLHT FLSTC FLSTS FXDL FXDWG FXSTC FXSTS FXD FXDS FXBS FLHTCU FLHTG Sequential Multiport Fuel Injection FLHTC U FLHTC | FLHR | FLHT | FLSTC | FLSTR | FXDWG | FXSTC | FXSTS | FXD | FXDS C | FXSTSB | FLHTC U | FLHTC I | FLHRI VHD1 3P8GARA THD1.3P8GARA 177.3 560 FISTO FISTE FLSTS FXST FXSTS FXSTS FLHTCUI FLHRI FLTRI FLHRCI FLHRCI FLHPI FLHTPI FLTCRI Sequential Multiport Fuel Injection XHDXC01.3AEA 1338 560 163.7 80-EV-29 163.7 80-EV-29 80-EV-29 163.7 440 163.7 Oxidation Calafyst WHDXC01.3CCA Oxidation Catalylic Converter Oxidation Catalytic Converter 1338 VHD1.3P1GAAA THD1.3P1GOAA Oxidation Catalyst XHDXC01.3CCA 80-EV-29 163.7 FLHTCU FLHTC FLHR FLHT 80-EV-27 560 80-EV-27 80-EV-27 560 177.3 280 Attachment Displacement MY 1998 Model Name Eng Code Emis Cont Model Name Eng Code Emis Cont Eng Family Displacement MY 1999 Displacement Eng Code Emis Cont Eng Family RLP R Model Name Eng Family E . 뮨 Model Name Displacement MY 1997 Eng Family Emis Cont RLP RI Eng Code RP EIR