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	5SSXC0124309	5SSXE0066161	2026, 1916, 1807	111
	FEATURES & NTROL SYSTEMS	ENG	INE MODEL	* = not applicable
	EM		124cid, 117cid, 111cid	

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 COMPI	LIANCE CREDIT MUL	TIPLIER	*
	HC+NOx	(g/km)		CO	(g/km)	EVAPOR	ATIVE (g/test)
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
*	*	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:** 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 2/57 day of June 2005.

Allen Lyons, Chief Mobile Source Operations Division

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Supplemental Data Sheet
Model Designation / E. Replacement List

M-0444-0009

MY 1984	-	D HHT FLHTC FLHTP FLTC FLHS FXB FXE FXE FXR FXRP FXRS FXRT FXS FXST FXSB FXWG
Model Name	2	
Displacement		EV1340
Eng Family	108	80-EV-2
Eng Code		EM
<b>E</b>	490 350	340
RLP	169.4 145.6	143.6 141.8
MY 1985	1	S EXPAN FXRP FXRS FXRT FXS FXST FXSB FXWG
Model Name	-	1338.6
Displacement		EV1340
Eng raining	80-EV-1	80-EV-2
Emis Cont		EM
E	490 340	290
RLP	169.4 143.6	133.4
MY 1986		
Model Name	FLT FLHT FLHTC FLTC	FXE FXEF FXI
Displacement		1338.6
Eng Family		0/LL CO 01+61/3
Eng Code	80-EV-5	Q-A-1-00
Emis Cont	-	MI I
EIM		
RLP	169.4 145.6 143.6	
My 1987	FLTC FXRP FXRS FLHTP FLHTC	ITC FLST FXRT FXRT FLHT FXST FXSTC FXLR FXRC
Dienjarement		1338.6
Eng Family		
Eng Code	80-EV-7 80-EV-8 80-EV-7	80-EV-8 80-EV-7 80-EV-8
Emis Cont		EM
EIM	490	440
RLP	169.4	153 /
MY 1988		
Model Name	FLTC FLHS FXRP FLHTP FLHTC	HTC FXRS FXRT FLST FXST FXSTC FXLR FXR FXSTS
Displacement	i . i	1339
Eng Family		EV1340
Eng Code		80-EV-3
Emis Cont		EM
EIM	490	440
RLP	169.4	1637
MY 1989		
Model Name	FLTC FXRP FLHTP FLHTC FLHS	FLHS FLHTCU FLTCU FLST FXST FXSTC FXLR FXR FXSTS FXSTL FXRS FXRT
Displacement		1338
Eng Family		EV1340
Eng Code		80-EV-9
Emis Cont		EM
EIM	490	440
RLP	169.4	163.7

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SUPPLEMENTAL DATA SURCE Model Designation / El. ne Replacement List

M-044-0009

Displacement Eng Family			
ng railiny		1330 EV1340	
Eng Code	80-EV-11	80-EV-13	
Emis Cont	490		
RLP	168.4	163.7	
MY 1991 Model Name	FLHS FLHTC FLHTC U FLHTP FLTC FLTC V FLSTC FLSTF	FXDS FXR FXRP FXRS FXRS C FXRS S FXRT FXSTC	FXSTS FXLR FXDB
Displacement	1 1	1336 EV1340	
Eng Family	80-EV-11	80-EV-13	
Emis Cont		EM	
EIM RLP	490 169,4	440 163.7	
MY 1992 Model Name	FLHS FLHTC FLHTC U FLHTP FLTC U FLSTC FLSTF	FXDB-D FXR FXRP FXRS FXRS C FXRS S FXRT FXSTC FXSTS	FXLR FXDC
Displacement		1338 FV/134D	
Eng Family	177 L 01	80-EV-17	
Eng Code	Q0-E4-13		
Emis Cont		EW	
EIM	490		
RLP	169.4	163.[	
MY 1993			-
Model Name	FLTC U FLHTC U FLHTC FLHTP FLHS FLSTC FLSTF	FLSTN FXDWG FXR FXRP FXRS C FXRS S FXR1 FXS1C FXS1S	FALK FADI.
Displacement		1338	
Eng Family		OHO LAN	
Eng Code	80-EV-15	71-A=-00	
Emis Cont		EM	
EIM	490 150 d	163.7	
MY 1994	-		
Model Name	FLTC U FLHTC U FLHTC FLHTP FLSTF FLHR FLHS	FLSTN FXDWG FXR FXRP FXSIC FXSIS FALK FXDL FABS C	
Displacement		RUDA SPACARA	
Eng Family		NIC. STOCK	
Eng Code	81:->LI-00		
Emis Cont		AAD.	
RLP	490	163.7	
MY 1995			
Model Name	FLTC U FLHTC U FLHTC FLHTP FLHT FLHR FLSTC	FLSTF FLSTN F	FLHTC UI
Displacement		1338 SUN 3040040	SHD13P8GARA
Eng rammy	80.EV.23	80-FV-25	80-FI-1
Eng Code	81-14-00	77-A7-00	
	_	Oxidation Oata Viic Converter	Sequential Multiport Fuel Injection

Attachment

Model Designation / E. . le Replacement List

163.7

M-044-0009

MY 1996		10 VO	EL STN EXDWG FXSTC FXSTS FXD FXDS C FXSTSB	FXDS C FXSTSB FLHTC U FLHTC I FLHR I
	FLHTC U FLHTC FLHR FLHT I	-	1338	
Displacement		APAGODA	l	THD1.3PBGARA
Eng Family			80-EV-29	80-F1-2
Eng Code	80-EV-27	ration of the rate of section of the rate		Sequential Multiport Fuel Injectic
Emis Cont		OXIDATION CALAN	yili Corrector	560
EIM	560		110	177.3
RLP	177.3		163.7	
MY 1997		OFO IT	EVIN EXDWG EXSTC FXSTS EXD FXDS C FXSTSB	FXSTSB FLHTC UI FLHTC   FLHR I
Model Name	FLHTCU FLHTC FLHR FLHT	FLSTC FLSTF FLSTS	1338	
Displacement				VHD1.3P8GARA
Eng Family		VHD1.3P1GAAA	16AAA	80-F1-3
Eng Code	80-EV-27			Sequential Multiport Fuel Injectio
Emis Cont		Oxidation Catalytic Converter		ARD
Σ U	560		440	222
RIP	177.3		163,7	0.17
MY 1998			EXPI EXPING EXSTE EXSTS EXD	FXDS C FXSTSB FLHTC U FLHTCI FLHRI FLTRI FLHRCI FLHPI FLHTPI FLTCRI
Model Name	FLHTCU FLHTC FLHR FLHT	FLTR FLSIC FLSIF	1338	
Displacement		17W1	SC MANAGE SC MANAGEMENT	WHDXC01.3AEA
Eng Family		TIAA 1	PC-X1=08	80-FI-3
Eng Code	80-EV-27		57 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Sequential Multiport Fuel Injection
Emis Cont		OXII	realtor Catalyst	560
EIW	560		163.7	177.3
RLP	177.3			
MY 1999	riege Elete EYST	EXSTC FXSTS	EXSTB FLHTC UN FLHTC 1 FLHR 1 FLHRC 1 FLHP 1 FLHTP 1	FLHTP I FLTCRI
Model Name	2			
Utspiacement	Co Took die	× 0.	THDXC01.3AEA	
Eng Family	AHUACULSCA	, CA	80-F1-3	
Eng Code	80-EV-Z		County Multipod Est Injurie	
Emis Cont	Oxidation Catalyst	alyst	Sequential multiport i de injection	
EIM	440		000	
RLP	163.7		2.11	