Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 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 following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL ENGINE FAMILY		FAMILY	DISPLACEMENT (cc)		GINE CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefie petroleum gas)			
2008	8HNXS	.196A5A	196	4-stroke	ke, >80 cc- < 225 cc Gasoline				
DURABILITY		SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
500		EM			Walk-Behind Lawnmower, Compressor, Pump, Pressure Washer, Generator Set, Tiller, Other OEM Product				
ENGINE CODES/MODELS (rated power in kilowatt, kW)		See Attachment							

EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fu DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series ECM=engine control module

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with Section 90.109 of the "California Exhaust Emission Standards and Test Procedures for 2005 and Later Small Off-Road Engines," adopted July 26, 2004.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)	
STANDARD	10.0	549	*	
FAMILY EMISSION LEVEL	9.4	*	+	
CERTIFICATION LEVEL	8.0	339	+	

BE IT FURTHER RESOLVED: That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

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 _____412 day of December 2007.

Rephart Sassart

Annette Hebert, Chief Mobile Source Operations Division

Attachment 1 of 2

Model Year:2008Manufacturer:Honda Motor Co., Ltd.Engine Family:8HNXS.196A5A

Issued: 6/27/2007 Revised: E.O. Number: **U-U-00(-038)**

Small Off-Road Engine Model Summary Form

Units for Table: kW

Worst Case?	47. Model Designation	48. Sales Code	49. Displ (cc)	50. Bore/ Stroke	51. Ignition Timing	52. Max Power	53. Rated Speed (RPM)	54. Rated T Torque	55. orque Speed (RPM)	56. Emiss Control Sys
: X	8196H01A	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H01B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H02A	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
:	8196H03B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H04C	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H06C	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	1 2.4 N .m	2500	EM
	8196H08B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H09A	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
							:			
							· · ·		:	:
: .					•					
									:	
					:					
							:			
					ð		·		:	
									:	
							į			

Page: 9 - 1

Attachment 2 of 2

Small Off-Road Engine Model Summary Form

2008 Model Year: Manufacturer: Honda Motor Co., Ltd. Engine Family: 8HNXS.196A5A

6/27/2007 Issued: Revised: E.O. Number:

Page: 9 -1

Units for Table:

	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.
Worst Case?	Model Designation	Sales Code	Displ (cc)	Bore/ Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated T Torque	orque Speed (RPM)	Emiss Control Sys
-	8196H10B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H11B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H13B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM
	8196H14B	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m		EM
	8196H15A	50-State	196.1	68.0/54.0	20° BTDC	4.1	3600	12.4 N.m	2500	EM