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-14-012;

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 YEAR	ENGINE FAMILY		DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)			
2016	GHN>	(S.1961AA	196	4-stroke, >80 cc - <225 cc		Gasoline			
DURABILITY HOURS		_	PECIAL FEATURES SION CONTROL SYS		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 Attachm	ent			
ABBREVIATI	ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S								

EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection 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 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=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.

This Executive Order hereby cancels and replaces Executive Order U-U-001-0741 dated June 18, 2015.

Executed at El Monte, California on this <u>27</u> day of December 2016.

Annette Herbert, Chief Emissions Compliance, Automotive Regulations and Science Division

ATTACHMENT - Page 1 0f 3 Issued: 4/27/2015

Model Year:	2016
Manufacturer:	Honda Motor Co., Ltd.
Engine Family:	GHNXS.1961AA

 Issued:
 4/27/2015

 Revised:
 10/28/2016

 E.O. Number:
 U-U-001-0741 - /

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 Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
x	G1GH01B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
reproducer 4 (1923)	G1GH0100- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
	G1GH0100R B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
	G1GH0200- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
, en esta de la constante de la	G1GH03B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
ana gana aga aga	G1GH0400- B·	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
22 data in characterization (1976)	G1GH05B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
	G1GH06B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
	G1GH0300- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM

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Attachment - Page 2073 Issued: 4/27/2015

Model Year: Manufacturer:

2016 Honda Motor Co., Ltd. Engine Family: GHNXS.1961AA

Revised: E.O. Number: 11-1-001-0741-1

Small Off-Road Engine Model Summary Form

Units for Table:

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 Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
	G1GH0700- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.r	n 2500	EM
	G1GH0800 , B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.r	n 2500	EM
-	G1GH0900- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.r	n 2500	EM
(G1GH1000R B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
(G1GH11F2- C	50-State	196.1	68.0/54.0	20° BTDC	• 4.3	- 3600	12.4 N.n	n 2500	EM
(G1GH12F1- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
(G1GH13B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
(G1GH1400- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
(G1GH15B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM
(G1GH1500- B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.n	n 2500	EM

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Attachment-Page 3 of 3 Issued: 4/27/2015

2016 Model Year: Manufacturer:

Honda Motor Co., Ltd. Engine Family: GHNXS.1961AA

Revised: E.O. Number: U- Y-001-0741-1

Small Off-Road Engine Model Summary Form

Units for Table:

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 Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
	G1GH16B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.m	n 2500	EM
entraria a management	G1GH1700R B	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.m	n 2500	EM
an annagaran santara	G1GH18B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.3	3600	12.4 N.m	n 2500	EM
	G1GH19B3- C	50-State	196.1	68.0/54.0	20° BTDC	4.6	3600	12.4 N.m	n 2500	EM
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man arrangementy approxi-	natotio anno nigratrini anno anidang para 1					Na at provident starter of second starters and	- The second sec			
	*		-		Name and Annual		n.		angan sa manahang kanang katalan di saparan ang sa mahang K	1