Canister/HDPE

EXECUTIVE ORDER U-U-160-0038-1 New Off-Road Small Spark-Ignition Equipment

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 equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

		ENGINE I	ESCRIPTION				
***	MANUFACTURER	ENGINE FAMI	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petrole gas)				
KAWAS	AKI HEAVY INDUSTRIES, LTD	FKAXS.60320 EKAXS.60320 FKAXS.60320 EKAXS.72620 FKAXS.72620 EKAXS.72620	CA (U-U-004-0581) CA (U-U-004-0619) CB (U-U-004-0587) CB (U-U-004-0620) CA (U-U-004-0583) CA (U-U-004-0609) CC (U-U-004-0579) CC (U-U-004-0611)	603, 726	Gasoline		
	KOHLER COMPANY		C (U-U-005-0430-1) D (U-U-005-0453-1)	747	Gasoline		
S.A. = See A TBC = To Be		EQUIPMEN	DESCRIPTION				
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION				
2015	CPARNR03	See Attachment	Walk-Behind Lawnmower, Riding Mower				
EMISSION	CONTROL SYSTEMS (ECS)	·	ENGINE and/or I	EQUIPMENT I	MODEL		

A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. Venting Control Type and Code:

Metal=M Treated HDPE or PE=P Co-extruded=C Selar=L Nylon=N Acetal=A Other=O B. EVAPORATIVE FAMILY 2-Letter CODE (Venting Control Codes = C, S, O);

(Tank Barrier Codes = M, P, C, L, N, A, O). Note: Always list venting control type or code first before tank barrier type or code. Do not use abbreviations for ECS types.

See Attachment

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day (g/m²/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

*=not applicable		DE	SIGN BASED				
	OSE PERMEATION ams ROG/m²/day)		ANK PERMEATION ams ROG/m²/day)	CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter			
STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER		
15	C-U-05-013, G-05-018, Q-14-008, Q-08-013	1.5	Q-08-027A	1.4	Q-09-021, Q-09-023		

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

Equipment 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. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order U-U-160-0038 dated November 25, 2014.

Executed at El Monte, California on this _____ day of March 2015.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Attachment 1 of 2

Small Off-Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.	S6.	S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.				
Worst Case (Check	Engine or Equipment Model	Equipment		Sales Codes (check all appropriate)						Fuel System (FI or	Fuel Tank Vol.	Fuel Tank Internal	Fuel Line Type	Nominal Fuel Line	Fuel Line Inside	Exhaust Family	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other
One)		CA Only	49- State	50- State	II)	CARB)	(Liters)	Surface Area (m²)		Length ⁽¹⁾ (mm)	Diameter (mm)				Venting Control Executive Order				
	988150 Gravely	х		х	II	CARB	25.93	.51	Multi	406	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988151 Gravely	х		х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988152 Gravely	Х		х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988153 Gravely	х		х	11	CARB	25.93	.51	Multi	762	6.35	DKAXS.6032CA EKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988154 Gravely	X		Х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988155 Gravely	X		х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988156 Gravely	х		Х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988157 Gravely	х		х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988158 Gravely	х		Х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				
	988159 Gravely	х		х	II	CARB	25.93	.51	Multi	762	6.35	EKAXS.7262CA FKAXS.7262CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021				

	988169 Gravely	x	х	II	CARB	25.93	.51	Multi	406	6.35	EKAXS.7262CA FKAXS.7262CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-021
	991102 Gravely	x		II	CARB	20.4 + 20.8	.64 + .70	Multi	965	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-021
	991103 Gravely	х		II	CARB	20.4 + 20.8	.64 + .70	Multi	965	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-021
	991104 Gravely	х		II	CARB	20.4 + 20.8	.64 + .70	Multi	965	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-021
	991105 Gravely	х		II	CARB	18.2 + 18.7	.54 + .57	Multi	1041	6.35	EKAXS.6032CB FKAXS.6032CB	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-021
	991106 Gravely	х		II	CARB	18.2 + 18.7	.54 + .57	Multi	1270	6.35	EKAXS.6032CB FKAXS.6032CB	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-021
	992224 Gravely	х	-	II	CARB	26.4 + 28.7	.84 + .96	Multi	2388	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-023
	992225 Gravely	х		II	CARB	26.4 + 28.7	.84 +	Multi	2388	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 O-08-013	(Qty. 2) Q-09-023
	992263 Gravely	х		II	CARB	26.4 + 28.7	.84 +	Multi	2388	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-023
-	992264 Gravely	х		II	CARB	26.4 + 28.7	.84 + .96	Multi	2388	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	(Qty. 2) Q-09-023
	994120 Gravely	х		11	CARB	28.7	.65	Multi	127	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-023
х	994125 Ariens	х		II	CARB	39.0	.82	Multi	216 .	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-023
	994127 Ariens	х		II	CARB	39.0	.82	Multi	127	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-023
	994129 Ariens	х		II	CARB	39.0	.82	Multi	127	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 C-U-05-013 Q-14-008 Q-08-013	Q-09-023

⁽¹⁾ The nominal fuel line lengths can be grouped into increment of ± 3 inches (76 mm)