California Environmental Protection Agency **Air Resources Board**	**SCAG POWER EQUIPMENT**	**EXECUTIVE ORDER U-U-089-0035-1** 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 DESCRIPTION

MANUFACTURER	ENGINE FAMILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
BRIGGS & STRATTON CORPORATION	See Attachment	724, 810	Gasoline
KOHLER COMPANY	See Attachment	725, 747	Gasoline
KAWASAKI HEAVY INDUSTRIES, LTD.	See Attachment	603, 726 745, 852	Gasoline

S.A. = See Attachment
TBC = To Be Certified

EQUIPMENT DESCRIPTION

MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2015	COSCGFRLP	11.8, 15.1, 19.0, 18.8, 20.0, 20.7, 22.7, 29.3, 32.2	Walk-Behind Lawnmower, Riding Mower, Commercial Turf

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Canister/Other	See Attachment

A. **ECS TYPE** (Venting Control Type/Tank Barrier Type): 1. **Venting Control Type and Code**:- Canister=C Sealed Tank=S Other=O 2. **Tank Barrier 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.

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/m^2/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	DESIGN BASED				
FUEL HOSE PERMEATION (grams ROG/m^2/day)		FUEL TANK PERMEATION (grams ROG/m^2/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	G-05-018, C-U-05-009, C-U-05-013, Q-14-008	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-089-0035 dated July 11, 2014.

Executed at El Monte, California on this 22 day of December 2014.

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

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

MODEL SUMMARY

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	S6. Fuel Tank Vol. (Liters)	S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type	S9. Nominal Fuel Line Length[1] (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State											
	SW32-14FS SW36A-14FS SW48V-14FS SW52V-15FS SWZ36A-14FS SWZ-14FS-16 SWZ48V-15FS SWZ-15FS-16 SWZ52V-18FS SWZ-18FS-16 SWZ-18FS	X			II	CARB	19.0	.51	CPE	748	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	SWZT36-14FS SWZT48-15FS SWZT52-18FS SWZT52-18FSE	X			II	CARB	19.0	.51	CPE	799	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	SVR36A-15FS	X			II	CARB	18.8	.48	CPE	824	6.35	EKAXS.6032CA FKAXS.6032CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	SVR36A-19FX	X			II	CARB	18.8	.48	CPE	824	6.35	EKAXS.6032CB FKAXS.6032CB	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	SFZ48-18FR	X			II	CARB	22.7	.83	CPE	1219	6.35	EKAXS.6032CC FKAXS.6032CC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SWZ-22FSE	X			II	CARB	19.0	.51	CPE	778	6.35	EKAXS.7262CA FKAXS.7262CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	STC48V-22FS	X			II	CARB	11.8 15.1	.51 .55	CPE	2480	6.35	EKAXS.7262CA FKAXS.7262CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SFZ52-23FS SFZP52-23FS SFZ61-24FS SFZP61-24FS	X			II	CARB	22.7	.83	CPE	1362	6.35	EKAXS.7262CA FKAXS.7262CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023

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	SFZ52-21FR	X			II	CARB	22.7	.83	CPE	1380	6.35	EKAXS.7262CB FKAXS.7262CB	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SVR48V-22FX	X			II	CARB	18.8	.48	CPE	854	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021
	SVR52V-23FX	X			II	CARB	29.3	.66	CPE	854	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	STC52V-22FX STC61V-23FX	X			II	CARB	11.8 15.1	.51 .55	CPE	2480	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SCZ48V-22FX SCZ52V-23FX	X			II	CARB	20.7 20.0	.74 .72	CPE	2276	6.35	EKAXS.7262CC FKAXS.7262CC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-021 Qty = 2
	STT61V-26DFI STT72V-26DFI	X			II	FI	32.2	.97	CPE	1143 305 57	6.35 7.94 12.70	EKAXS.7452IB FKAXS.7452IB	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SVR61V-25FX	X			II	CARB	29.3	.66	CPE	919	6.35	EKAXS.8522CA FKAXS.8522CA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SFZ48-24BS	X			II	CARB	22.7	.83	CPE	838	6.35	EBSXS.7242VA FBSXS.7242VA	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SFZ52-25BS SFZP52-25BS	X			II	CARB	22.7	.83	CPE	914	6.35	EBSXS.8102VS FBSXS.8102VS	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SFZ48-22KT SFZ52-24KT	X			II	CARB	22.7	.83	CPE	714	6.35	EKHXS.7252GB FKHXS.7252GB	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	STC48V-23CV	X			II	CARB	11.8 15.1	.51 .55	CPE	2895	6.35	EKHXS.7252GC FKHXS.7252GC	Q-08-027A	G-05-018 Q-14-008 C-U-05-013	Q-09-023
	SVR52V-25CV-EFI SVR61V-26CV-EFI	X			II	FI	29.3	.66	CPE	1188	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 Q-14-008 C-U-05-009 C-U-05-013	Q-09-023
	STC52V-25CV-EFI STC61V-26CV-EFI	X			II	FI	11.8 15.1	.51	.55	2052	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 Q-14-008 C-U-05-009 C-U-05-013	Q-09-023
	SCZ48V-23CV-EFI SCZ52V-25CV-EFI	X			II	FI	20.7 20.0	.74 .72	CPE	2300	6.35	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 Q-14-008 C-U-05-009 C-U-05-013	Q-09-021 Qty = 2
	STT52V-26CH-EFI STT61V-26CH-EFI STT72V-26CH-EFI	X			II	FI	32.2	.97	CPE	1618 51	6.35 7.94	EKHXS.7472PC FKHXS.7472PD	Q-08-027A	G-05-018 Q-14-008 C-U-05-009 C-U-05-013	Q-09-023

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