California Environmental Protection Agency AIR RESOURCES BOARD

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 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 FAM	ILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)					
& STRATTON CORPORATION			500 500						
SAKI HEAVY INDUSTRIES, LTD	CKAXS.6032 BKAXS.6032 CKAXS.6032 BKAXS.7262	CA (U-U-004-0520) CB (U-U-004-0476) CB (U-U-004-0521) CC (U-U-004-0484)	603 603 603 603 726 726	Gasoline					
Attachment e Certified	EQUIP M EN	T DESCRIPTION							
EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APP							
CPF7	17.51	17.51 Commercial Walk-							
N CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL							
anister/Treated HDPE		See Attachment							
	S & STRATTON CORPORATION SAKI HEAVY INDUSTRIES, LTD. Attachment e Certified EVAPORATIVE FAMILY CPF7 N CONTROL SYSTEMS (ECS)	MANUFACTURER BBSXS.5002V CBSXS.5002V CBSXS.5002V CBSXS.60032 BKAXS.6032 CKAXS.6032 BKAXS.6032 CKAXS.6032 CKAXS.6032 BKAXS.7262 CKAXS.7262 CKAXS.7262 Attachment e Certified EQUIPMEN EVAPORATIVE FAMILY CPF7 17.51 CONTROL SYSTEMS (ECS)	BBSXS.5002VV (U-U-002-0635-1) CBSXS.5002VV (U-U-002-0697) BKAXS.6032CA (U-U-004-0475) CKAXS.6032CA (U-U-004-0520) BKAXS.6032CB (U-U-004-0520) BKAXS.6032CB (U-U-004-0521) BKAXS.6032CB (U-U-004-0521) BKAXS.7262CC (U-U-004-0521) BKAXS.7262CC (U-U-004-0521) BKAXS.7262CC (U-U-004-0521) BKAXS.7262CC (U-U-004-0526) Attachment e Certified EQUIPMENT DESCRIPTION EVAPORATIVE FAMILY CPF7 17.51 Cor N CONTROL SYSTEMS (ECS) ENGINE and/or I	BBSXS.5002VV (U-U-002-0635-1) 500					

A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. <u>Venting Control Type and Code</u>:- Canister=C Sealed Tank=S Other=O 2. <u>Tank Barrier Type and Code</u>:- 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/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		DESIGN BASED												
	OSE PERMEATION ams ROG/m²/day)		ANK PERMEATION ams ROG/m²/day)		CANISTER BUTANE 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	2.5	C-U-07-012	1.4	Q-09-021									

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 cancels and replaces Executive Order U-U-002-0722 dated December 28, 2011.

Executed at El Monte, California on this

day of May 2012.

Annette Hebert, Chief

Mobile Source Operations Division

Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.		S6.	S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.
(Check Equipm	Engine or Equipment Model	Sales Codes (check all appropriate)		Engine Class (I or II)	Fuel System (FI or CARB)		Fuel Tank Vol. (Liters) Fuel Tank Internal Surface		Fuel Line Type	Nominal Fuel Line Length ⁽¹⁾	Fuel Line Inside Diameter (mm)	Exhaust Family	: Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other Venting	
		CA Only	49- State	50- State			Total	Nominal	Area (m²)		(mm)					Control Executive Order
	5900547			Х	II	Carb	21.3	17.51	0.43	Multi- layer	305	6.4	BKAXS.6032CB CKAXS.6032CB	C-U-07-012	G-05-018	Q-09-021
	5900548			х	π	Carb	21.3	17.51	0.43	Multi- layer	305	6.4	BKAXS.6032CB CKAXS.6032CB	C-U-07-012	G-05-018	Q-09-021
	5900549			Х	II	Carb	21.3	17.51	0.43	Multi- layer	305	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900550	-		X	II	Carb	21.3	17.51	0.43	Multi- layer	305	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900520			Х	II	Carb	21.3	17.51	0.43	Multi- layer	305	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900538			Х	II	Carb	21.3	17.51	0.43	Multi- layer	203	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900540			Х	II	Carb	21.3	17.51	0.43	Multi- layer	483	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900541			х	II	Carb	21.3	17.51	0.43	Multi- layer	483	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900542			Х	II	Carb	21.3	17.51	0.43	Multi- layer	483	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900539			Х	I1	Carb	21.3	17.51	0.43	Multi- layer	483	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900552			х	11	Carb	21.3	17.51	0.43	Multi- layer	635	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021

⁽¹⁾ The nominal fuel line lengths can be grouped into increment of $\pm\,3$ inches (76 mm)

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 One)	Engine or Equipment Model	Sales Codes (check all appropriate)		ate)	Engine Class (I or II)	Fuel Fuel Tank Vo System (Liters) (FI or CARB)			Fuel Tank Internal Surface	Fuel Line Type	Nominal Fuel Line Length ⁽¹⁾	Fuel Line Inside Diameter (mm)	Exhaust Family	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other Venting
		CA Only	49- State	50- State			Total	Nominal	Area (m²)	Area (m²)	(mm)					Control Executive Order
	5900553			х	II	Carb	21.3	17.51	0.43	Multi- layer	635	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900555			х	II	Carb	21.3	17.51	0.43	Multi- layer	584	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900554			X	II	Carb	21.3	17.51	0.43	Multi- layer	584	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900637			X	II	Carb	21.3	17.51	0.43	Multi- layer	635	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900557			Х	II	Carb	21.3	17.51	0.43	Multi- layer	635	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900556			х	II	Carb	21.3	17.51	0.43	Multi- layer	584	6.4	BKAXS.7262CC CKAXS.7262CC	C-U-07-012	G-05-018	Q-09-021
	5900543			Х	II	Carb	21.3	17.51	0.43	Multi- layer	889	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900544			Х	II	Carb	21.3	17.51	0.43	Multi- layer	889	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900990			Х	II	Carb	21.3	17.51	0.43	Multi- layer	889	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900546			Х	II	Carb	21.3	17.51	0.43	Multi- layer	889	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021
	5900545			х	II	Carb	21.3	17.51	0.43	Multi- layer	889	6.4	BKAXS.6032CA CKAXS.6032CA	C-U-07-012	G-05-018	Q-09-021

⁽²⁾ The nominal fuel line lengths can be grouped into increment of \pm 3 inches (76 mm)

Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.	S5. S6.		S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.
Worst Case (Check One)	Engine or Equipment Model	all appropriate)		Engine Class (I or II)	Fuel System (FI or CARB)	Fuel Tank Vol. (Liters)		Fuel Tank Internal Surface	Fuel Linc Type	Nominal Fuel Line Length ⁽¹⁾	Fuel Line Inside Diameter (mm)	Exhaust Family	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other Venting	
		CA Only	49- State	50- State			Total	Nominal	Area (m²)		(mm)					Control Executive Order
	5900515			Х	II .	Carb	21.3	17.51	0.43	Multi- layer	483	6.4	BBSXS.5002VV CBSXS.5002VV	C-U-07-012	G-05-018	Q-09-021
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⁽³⁾ The nominal fuel line lengths can be grouped into increment of \pm 3 inches (76 mm)