

Pursuant to the authority vested in California 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	See Attachment	Gasoline
Chongqing Zongshen General Power Machine Co., Ltd.	See Attachment	See Attachment	Gasoline
Fuji Heavy Industries, Ltd.	See Attachment	See Attachment	Gasoline
Kawasaki Heavy Industries, Ltd.	See Attachment	See Attachment	Gasoline
Kohler Company	See Attachment	See Attachment	Gasoline
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2018	CP1	4.75, 5.15, 10.69, 12.51, 13.56, 15.35, 21.8, 26.48	Riding Mower, Tractor, Commercial Turf, Other OEM Product
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
Canister / Treated HDPE		See Attachment	
<small>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 Sealar=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.</small>			

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.

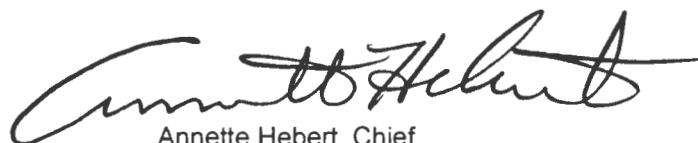
*not applicable		DESIGN BASED			
FUEL HOSE PERMEATION (grams ROG/m ² /day)		FUEL TANK PERMEATION (grams ROG/m ² /day)		CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter)	
STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER
15	G-05-018, Q-14-008	1.5	C-U-07-020, Q-12-015, Q-11-011, Q-16-003A	1.4	C-U-06-015, Q-09-021, Q-09-023, Q-09-024

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.

Executed at El Monte, California on this 22 day of October 2018.



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

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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	JBSXS.3442VA (U-U-002-1022) HBSXS.3442VA (U-U-002-0958) GBSXS.3442VA (U-U-002-0919) JBSXS.5002VV (U-U-002-1023) HBSXS.5002VV (U-U-002-0959) GBSXS.5002VV (U-U-002-0941) JBSXS.7242VA (U-U-002-1026-1) HBSXS.7242VA (U-U-002-0961) GBSXS.7242VA (U-U-002-0944-1) JBSXS.5402VL (U-U-002-1024) HBSXS.5402VL (U-U-002-0960)	344, 500, 540, 656, 724	Gasoline
Chongqing Zongshen General Power Machine Co., Ltd.	JCZHS.4392V1 (U-U-082-0282) HCZHS.4392V1 (U-U-082-0252) GCZHS.4392V1 (U-U-082-0224) JCZHS.4522V1 (U-U-082-0287) HCZHS.4522V1 (U-U-082-0235) GCZHS.4522V1 (U-U-082-0189) JCZHS.5472V1 (U-U-082-0283) HCZHS.5472V1 (U-U-082-0238) GCZHS.5472V1 (U-U-082-0190)	382, 420, 439, 452, 547	Gasoline
Fuji Heavy Industries, Ltd.	HFJXS.4042GB (U-U-012-0524) GFJXS.4042GB (U-U-012-0503)	404	Gasoline
Kawasaki Heavy Industries, Ltd.	JKAXS.6032CC (U-U-004-0745) HKAXS.6032CC (U-U-004-0717) GKAXS.6032CC (U-U-004-0672) JKAXS.7262CB (U-U-004-0751) HKAXS.7262CB (U-U-004-0708) GKAXS.7262CB (U-U-004-0661) JKAXS.7262CC (U-U-004-0752) HKAXS.7262CC (U-U-004-0707) GKAXS.7262CC (U-U-004-0653)	603, 726	Gasoline

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ENGINE DESCRIPTION			
MANUFACTURER	ENGINE FAMILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
Kohler Company	HKHXS.5972GB (U-U-005-0522) GKHXS.5972GB (U-U-005-0478) JKHXS.7252GB (U-U-005-0581) HKHXS.7252GB (U-U-005-0537) GKHXS.7252GB (U-U-005-0486-2) JKHXS.7472GF (U-U-005-0582) HKHXS.7472GF (U-U-005-0524-1) GKHXS.7472GF (U-U-005-0515) JKHXS.7472PE (U-U-005-0576) HKHXS.7472PE (U-U-005-0532) GKHXS.7472PE (U-U-005-0479-1) JKHXS.5412GB (U-U-005-0554)	541, 597, 660, 674, 725, 747	Gasoline

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 (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			Total	Nominal								
	13x22xxx2xx			X	II	CARB	6.12	4.75	0.24	MULTI LAYER	595	6.4	GCZHS.4522V1 HCZHS.4522V1 JCZHS.4522V1	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
	13x72xxx2xx			X	II	CARB	6.12	4.75	0.24	MULTI LAYER	575	6.4	GCZHS.4392V1 HCZHS.4392V1 JCZHS.4392V1	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
	13xC2xxx2xx			X	II	CARB	6.12	4.75	0.24	MULTI LAYER	508	6.4	GBSXS.3442VA HBSXS.3442VA JBSXS.3442VA	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
	13x27xxx2xx			X	II	CARB	6.24	5.15	0.20	MULTI LAYER	468	6.4	GCZHS.4522V1 HCZHS.4522V1 JCZHS.4522V1	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024

13x87xxx2xx				X	II	CARB	6.24	5.15	0.20	MULTI LAYER	406	6.4	GCZHS.5472V1 HCZHS.5472V1 JCZHS.4522V1	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
13xK7xxx2xx				X	II	CARB	6.24	5.15	0.20	MULTI LAYER	503	6.4	JKHXS.5412GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
13xL7xxx2xx				X	II	CARB	6.24	5.15	0.20	MULTI LAYER	419	6.4	HBSXS.5402VL JBSXS.5402VL	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
13xM7xxx2xx 13xN7xxx2xx				X	II	CARB	6.24	5.15	0.20	MULTI LAYER	419	6.4	GBSXS.5002VV HBSXS.5002VV JBSXS.5002VV	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
13xV7xxx2xx 13xX7xxx2xx				X	II	CARB	6.24	5.15	0.20	MULTI LAYER	483	6.4	GKHXS.5972GB HKHXS.5972GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
13x8Axxx2xx				X	II	CARB	13.51	12.51	0.35	MULTI LAYER	533	6.4	GCZHS.5472V1 HCZHS.5472V1 JCZHS.5472V1	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-024
13x0Axxx2xx				X	II	CARB	13.51	12.51	0.35	MULTI LAYER	1113	6.4	JKHXS.5412GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-024

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13xQAxxx2xx 13xPAxxx2xx 14xQAxxx2xx				X	II	CARB	13.51	12.51	0.35	MULTI LAYER	859	6.4	GKHXS.7252GB HKHXS.7252GB JKHXS.7252GB GKHXS.7472GF HKHXS.7472GF JKHXS.7472GF	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-024
13xVAxxx2xx				X	II	CARB	13.51	12.51	0.35	MULTI LAYER	534	6.4	GKHXS.5972GB HKHXS.5972GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-024
17xICxxN2xx				X	II	CARB	13.31	10.69	0.35	MULTI LAYER	850	6.4	GKAXS.6032CC HKAXS.6032CC JKAXS.6032CC	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
17xICxxA2xx				X	II	CARB	13.31	10.69	0.35	MULTI LAYER	880	6.4	GKAXS.7262CB HKAXS.7262CB JKAXS.7262CB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
17xKCxxT2xx				X	II	CARB	13.31	10.69	0.35	MULTI LAYER	1188	6.4	GBSXS.7242VA HBSXS.7242VA JBSXS.7242VA	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
17xRCxxA2xx 17xRCxxN2xx 17xRCxxS2xx				X	II	CARB	13.31	10.69	0.35	MULTI LAYER	1291	6.4	GKHXS.7252GB HKHXS.7252GB JKHXS.7252GB GKHXS.7472GF HKHXS.7472GF JKHXS.7472GF	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	C-U-06-015 Q-09-024
17xRExxA2xx				X	II	CARB	14.89	13.56	0.42	MULTI LAYER	1067	6.4	GKHXS.7252GB HKHXS.7252GB JKHXS.7252GB GKHXS.7472GF HKHXS.7472GF JKHXS.7472GF	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-024
53xIExxU2xx				X	II	CARB	32.2	26.48	0.79	MULTI LAYER	1997	6.4	GKAXS.7262CC HKAXS.7262CC JKAXS.7262CC	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-023

	53xWExxF2xx 53xWExxT2xx			X	II	EFI	32.2	26.48	0.79	MULTI LAYER	2121	6.4	GKHXS.7472PE HKHXS.7472PE JKHXS.7472PE	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-023
	37xV3Axx2xx			X	II	CARB	22.45	21.8	0.53	MULTI LAYER	635 711	6.4 5.6	GFJXS.4042GB HFJXS.4042GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-021
	37xV3Bxx2xx			X	II	CARB	17.33	15.35	0.38	MULTI LAYER	533 711	6.4 5.6	GFJXS.4042GB HFJXS.4042GB	C-U-07-020 Q-12-015 Q-11-011 Q-16-003A	G-05-018 Q-14-008	Q-09-021

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