CALIFORNIA AIR RESOURCES BOARD	LONCIN MOTOR CO., LTD.	EXECUTIVE ORDER U-U-145-0360 New Off-Road Small Spark-Ignition Equipment

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)
LONCIN MOTOR CO., LTD.	KCGPS.4592GR (U-U-145-0359)	459	Gasoline

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

EQUIPMENT DESCRIPTION			
MODEL YEAR	**EVAPORATIVE FAMILY**	**FUEL TANK SIZE (liters)**	**EQUIPMENT APPLICATION**
2019	CMKCGPS.459	See Attachment	Generator Set

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Canister/Metal	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	See Attachment	1.5	See Attachment	1.4	See Attachment

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 30 day of August 2018.

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

Attachment

U-U-145-0360
RC #1

12-03-19

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

(page 1 of 1)

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			Total	Nominal								
	LC192F LC192FD			X	II	CARB	27	22	0.74	multilayer	<=300	⩾4	KCGPS.4592GR	Q-16-015 Q-16-015A Q-16-015B Q-16-017 Q-16-017A Q-16-019 Q-16-019A Q-16-019B Q-16-019C	C-U-05-012 G-05-018 Q-13-013	C-U-07-016A C-U-07-016B Q-15-008
	LC192F LC192FD			X	II	CARB	25.5	22	0.7	multilayer	<=300	⩾4	KCGPS.4592GR	Q-16-015 Q-16-015A Q-16-015B	C-U-05-012 G-05-018 Q-13-013	C-U-07-016A C-U-07-016B Q-15-008
	LC192F LC192FD			X	II	CARB	22.2	22	0.72	multilayer	<=300	⩾4	KCGPS.4592GR	Q-16-015 Q-16-015A Q-16-015B	C-U-05-012 G-05-018 Q-13-013	C-U-07-016A C-U-07-016B Q-15-008
X	LC192F LC192FD			X	II	CARB	33.8	30.3	0.78	multilayer	<=300	⩾4	KCGPS.4592GR	Q-16-019 Q-16-019A Q-16-019B Q-16-019C	C-U-05-012 G-05-018 Q-13-013	Q-15-008
	LC192F LC192FD			X	II	CARB	7.4	6.2	0.223	multilayer	<=300	⩾4	KCGPS.4592GR	Q-19-023 Q-16-027B Q-16-027A Q-16-027	C-U-05-012 G-05-018 Q-13-013	Q-19-093 C-U-06-031A

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