FUJI HEAVY INDUSTRIES, LTD.

EXECUTIVE ORDER U-U-012-0322 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-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 natura gas LPG=liquefied petroleum gas)			
FUJII	HEAVY INDUSTRIES, LTD.	See A	uttachment 1	287, 265, 404	Gasoline			
		EQUIPME	NT DESCRIPTION	· · · · · · · · · · · · · · · · · · ·				
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION					
2009	СМ	6.1, 7.0	Walk-Behind Lawnmower, Compressor, Pump, Pressure Washer, Stump Beater, Generator, Non-Backpack Blower, Leaf Blower and G Kart					
EMISSION	N CONTROL SYSTEMS (ECS)	EQUIPMENT MODEL						
Carbon Canister, Metal Tank		See Attachment 2						
					Other=O 2. Tank Barrier Type and Code: er CODE (Venting Control Codes =C, S, O			

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.

(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.

*=not applicable	PERFORMANCE BASED (grams HC/day)						
STANDARD	EVAPORATIVE MODEL EMISSION LIMIT (EMEL)	EVAPORATIVE FAMILY EMISSION LIMIT DIFFERENTIAL (EFELD)	CERTIFICATION LEVEL				
1.20 + 0.056*tank vol. (liters)	•	•	1.5				

BE IT FURTHER RESOLVED: That the evaporative model emission limit (EMEL), as applicable, is the diurnal emissions level declared by the manufacturer based on diurnal test results for a worst-case engine or equipment model within an evaporative family. No engine or equipment emissions within the evaporative family could be closer to its respective standard than the evaporative family emission limit differential (EFELD) calculated from the declared EMEL for the worst-case engine or equipment.

BE IT FURTHER RESOLVED: That the evaporative family emission limit differential (EFELD), as applicable, is an emission level differential between the effective standard level for a specific model representing the entire evaporative family and the EMEL declared for the specific model and it's for use in the averaging and banking program. It serves as the applicable evaporative emission standard for determining compliance on a corporate average basis of any equipment within this evaporative family under 13 CCR Sections 2754.1(e).

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 _____ day of September 2008.

Annette Hebert, Chief

Mobile Source Operations Division

ATTACHMENTS

Fuji Heavy Industries, LTD., EO: U-U-012-0322

ENGINE DESCRIPTION								
MANUFACTURER	ENGINE FAMILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)					
	8FJXS.2872GA (U-U-012-0222-1)	287						
	8FJXS.2652GW (U-U-012-0224)	265						
[8FJXS.4042GW (U-U-012-0228)	404						
	8FJZS.4042GB (U-U-012-0226)	404						
FUJI HEAVY INDUSTRIES, LTD.	9FJXS.2872GA (U-U-012-0314)	287	Gasoline					
	9FJXS.2652GW (U-U-012-0316)	265						
	9FJXS.4042GW (U-U-012-0304)	404						
	9FJXS.4042GB (U-U-012-0306)	404						

Model Year: 2009

Manufacturer : Fuji Heavy Industries Ltd. Evaporative Family: CM

Issued: July 4, 2008

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Revised:

CARB

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

ATTA CHMENT 2

MODEL SUMMARY

Family: CM		E.O.	Numi	ber:	U-u	-0	12-	03	,22	2			
S14.	Carbon Canister or Other Venting Control Executive Order		,			•			,	,	,	•	,
\$13.	Fuel Line Executive Order	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003	G-05-018 C-U-05-003
S12.	Fuel Tank Executive Order		•	ť	ı	,	•	•	•	ı	•	•	•
S11.	Exhaust Family	8FJXS. 2872GA	8EJXS. 2652GW	8FJXS. 4042GW	<u>8FJXS.</u> 4042GW	8F1XS. 4042GB	8FJXS. 4042GB	9EJXS 2872GA (To Be Certifed)	9FJXS 2652GW (To Be Certifed)	9FJXS,4042GW	9EJXS.4042GW	9FJXS.4042GB	9FIXS.4042GB
S10.	Fuel Line Inside Diamet er er	6.35	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0	6.35 6.0
89.	Nominal Fuel Line Length (mm) (1)	185	185	185 & 35	185 & 35	185 & 35	185 & 35	185	185	185 & 35	185 & 35	185 & 35	185 & 35
S8.	Fuel Line Type	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer	Multi -layer
S7.	Fuel Tank Internal Surface Area (m²)	0.204	0.204	0.2166	0.2166	0.2328	0.2328	0.204	0.204	0.2166	0.2166	0.2328	0.2328
S6.	Fuel Tank Vol. (Liters)	6.1	6.1	7.0	7.0	7.0	7.0	6.1	6.1	7.0	7.0	7.0	7.0
S5.	Fuel System (Fl or CARB)	CARB	CARB	CARB	CARB	CARB	CARB	CARB	CARB	CARB	CARB	CARB	CARB
3 .	Engine Class (I or II)	II	III	ш	Ħ	Ш	H	ш	П	п	Ш	П	П
	Check iate) 50- State	×	×	×	×	×	×	×	×	×	×	×	×
S3	Sales Codes (Check all appropriate) CA 49- 50- Only State State		<u> </u>										
									<u> </u>				ŀ
S2.	Engine or Equip -ment Model	EX30	EX27	EH41	ЕН36	EX40	EX35	EX30	EX27	EH41	EH36	EX40	EX35
SI.	Worst Case (Check One)			×									

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