California Environmental Protection Agency		EXECUTIVE ORDER U-L-024-0009
O Air Resources Board	YAMAHA MOTOR CO., LTD.	New Off-Road Large Spark-Ignition Engines Above 19 Kilowatts

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 new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR			ENGINE DISPLACEMENT (liters)	ENGINE CLASS	FUEL TYPE		
2018	JY	MXB.8242EJ	0.824	≤ 825 cc	Gasoline		
			CIAL FEATURES & N CONTROL SYSTEM	S	TYPICAL EQUIPMENT USAGE		
1000	1000 EM			Riding Mower			
ENGINE MODELS (rated power in kilowatt, kW)							

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	CO
Standards	8.0	549
Certification Levels	6.8	267

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(d) (certification and test procedures), 13 CCR Section 2404 (emission control labels), and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines 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. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______day of September 2017.

nnette Hebert. Chief

Annette Repert, Chief Azemissions Compliance, Automotive Regulations and Science Division

ATTACHMENT POLOFI

Model Year: ____2018_____ Manufacturer Name: _____Yamaha Motor Co LTD____ Engine Family: _____JYMXB.8242EJ_____ OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION Page: 5 Issued: _____ Revised: _____ E.O.#: <u>u-L-CL4-000</u>9

S12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S13. Engine Model	S14. Engine Code	S15. Sales Codes (Check ALL appropriate)		S16. Eng. Displ.	S17. Rated Power	S18. Rated Speed	S19. Peak Torque	S20. Peak Torque	
Model		Calif. Only	49- State	50- State	(Liters)	(kW)	(RPM)	(FT-LB)	Speed (RPM)
MX825V	7UCJ-010			*	0.824	19.0	3060	46.5	2000
MX800V	7U3J-010			*	0.824	17.9	3060	45.0	2000
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