

EXECUTIVE ORDER U-U-239-0010

New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts



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

STK LLC

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

MODEL YEAR	ENGINE FAMILY		DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)			
2018	JEGF	S.8522K2	852	4-stroke, ≥	225 c c	LPG			
DURABILITY HOURS		SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
1000			TWC			Floor Buffing/Scrubbing Equipment			
ENGINE CODES/MODELS (rated power in kilowatt, kW)		See Attachment							
EGR=exhaus	t gas recirc	ulation AIR=seco	ondary air injection PAIR=	pulsed AIR MFI=mu	ilti port fuel inje	warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S ction SFI=sequential MFI TBI=throttle body fuel injection fix)=in series ECM=engine control module			

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), 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 Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
STANDARD	8.0	549	*
FAMILY EMISSION LEVEL	*	*	*
CERTIFICATION LEVEL	4.4	26	*

BE IT FURTHER RESOLVED: That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 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.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

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 October 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

ATTACHMENT PS ISH Issued:

Page: 9

Model Year:

2018 Manufacturer: STK, LLC Engine Family: JEGFS.8522K2

Revised:

10/1/2018

E.O. Number: U-U-239 -0010

Small Off-Road Engine Model Summary Form

Units for Table: kw

Worst Case?	47. Model Designation	48. Sales Code	49. Displ (cc)	50. Bore/ Stroke	51. Ignition Timing	52. Max Power	53. Rated Speed (RPM)	54. Rated Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
	FX850V	50-State	852	85 x 76 mm	N/A	14.36	3384	40.53	3384	EM TWC
	Expension should be	, and the second	and the second s	3	and an extension		# 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	(A) (A) o realism		and desired
				Phin, st verris		#	All presents and presents to		10 PT	
				i i monomi		and the state of t	Proposition of		de on tax, attick,	
			AND THE PROPERTY OF THE PROPER	1000	and a second sec	70	Personal property and	Spyrittings on vicinia and control of the second	in-yall	
			e and the second	AN THEORET	annegarph telephologic serven, selve	-		of the state and horsestable 1	##	Miles - Jan
1				In	,	the statement of			A Company of the Comp	
		The state of the s		entering of the property of th		PERSONAL PROPERTY.	The second secon		And the state of t	
					110 1 man and 1 1 mg 1 1 mg 1 1 mg 2 mg 2 mg 2 mg 2 m	A				
				-			TO THE PERSON NAMED IN COLUMN	disabilih niger omga omga saati kis saknish	10 m	
				AT THE PARTY AND A STANFOLD AND A ST		T. Tananasa	OF NO STATE OF STATE		# 27 27 27 27 27 27 27 27 27 27 27 27 27	
				Chi. al pic		ETAL PRESIDENCE DES	december of the second of the	4	List Division of the Control of the	
,				And the state of t		references and residences and residence and residences and residen	10		STORY OF THE PROPERTY OF	