

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER U-U-1-171
Relating to Certification of
New Small Off-Road Engines

HONDA MOTOR CO., LTD.

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 the Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the engine and exhaust emission control systems produced by the manufacturer for use in small off-road equipment are certified as described below:

Model Year: 2002

Fuel Type: Gasoline

Engine Class: Spark-ignition, 4-stroke, greater than 65 cc but less than 225 cc

Typical Equipment Usage: Snowblower

<u>Engine Family</u>	<u>Displacement (Cubic Cent.)</u>	<u>Durability Period (Hours)</u>	<u>Emission Control System and Special Features</u>
2HNXS.1611SK	161	125	Engine Modification

Engine models are listed on the attachment. Production engines shall be in all material respects the same as those for which certification is granted.

BE IT FURTHER RESOLVED: That the exhaust emission standard and certification emission value in grams per brake horsepower-hour for this engine family which is utilized exclusively in snowblowers and/or ice augers are (Title 13, California Code of Regulations, Section 2403(b)(5)):

<u>Carbon Monoxide</u>	
<u>Standard</u>	<u>Certification</u>
410	339

BE IT FURTHER RESOLVED: That the listed engine models also comply with the "Emission Control Labels and Consumer Information - 1995 and Later Small Off-Road Engines" (Title 13, California Code of Regulations, Section 2404) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Sections 2405 and 2406). The Executive Officer hereby approves these materials for use in complying with these sections for this engine family.

BE IT FURTHER RESOLVED: That the listed engine models shall be used exclusively in wintertime snowblower and/or ice auger products only.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed at El Monte, California this 25th day of April 2001



R. B. Summerfield, Chief
Mobile Source Operations Division

Attachment

Model Year: 2002
Manufacturer: Honda Motor Co.,Ltd.
Engine Family: 2HNXS.1611SK

Issued:
Revised: 2/23/2001
E.O. Number: **u-4-1-171**

Small Off-Road Engine Model Summary Form

Units for Table: kw

	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.
Worst Case?	Model Designation	Sales Code	Displ (cc)	Bore/Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated Torque	Torque Speed (RPM)	Emiss Control Sys
X	2161S1	50-State	160.8	64.0/50.0	20° BTDC	4.1	3600	11	2500	EM
	2161S2	50-State	160.8	64.0/50.0	20° BTDC	4.1	3600	11	2500	EM