California Environmental Protection Agency AIR RESOURCES BOARD	MTD SOUTHWEST INC	EXECUTIVE ORDER U-U-020-0025-1 New Off-Road Small Spark-Ignition Engines Below 25 Horsepower

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 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
2002	2MTDS.0314MC	700R (0.85 hp)31	2-Stroke, 65 cc and under	Gasoline

DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
50	Three Way Catalytic Converter	Snow blower, Non-Backpack Blower, Line Trimmer, Hedge Trimmer, Leaf Blower/Vacuum, Tiller, Edger, Brushcutter

ENGINE MODELS (rated power in horsepower, hp)	SEE ATTACHED PAGE

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 brake horsepower-hour (g/bhp-hr). Engines within this family shall have closed crankcases in conformance with Part I, Section 18.(h) of the "California Exhaust Emission Standards and Test Procedures for 1995 and Later Small Off-Road Engines," last amended March 23, 1999.

(g/bhp-hr)	HC+NOx	CO	PM
STANDARD	54	400	1.5
FAMILY EMISSION LEVEL	N/A	N/A	N/A
CERTIFICATION LEVEL	32	263	0.8

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.

This Executive Order hereby supersedes Executive Order U-U-020-0025 dated March 20, 2002.

Executed at El Monte, California on this 4TH day of June 2002.

Allen Lyons, Chief
Mobile Source Operations Division

Attachment

Model Year: 2002
Manufacturer: MTD Southwest, Inc.
Engine Family: 2MTDS.0314MC

Issued:
Revised: 5/30/2002
E.O. Number: U-U-020-0025-1

Small Off-Road Engine Model Summary Form

Units for Table: bhp

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
X	725	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	775	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	705	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	74520	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	74556	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	700	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	766	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Y28	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	700R	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	765	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Craftsman	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Cub Cadet	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Yardman	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Troy Bilt	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	RYOBI	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC
	Yardworks	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	TWC