YAMAHA MOTOR CO., LTD.

EXECUTIVE ORDER U-M-004-0031

New Emission-Compliant
All-Terrain Vehicles Certified Using The
Optional Engine Test Procedure

Fursuant 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-45-9;

IT IS ORDERED AND RESOLVED: That the engine and exhaust emission control systems produced by the manufacturer are certified as described below for all-terrain vehicles. Production vehicles, and engines that power such vehicles, shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE	ENGINE	VEHICLE	FUEL	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS Engine Modification		
YEAR	FAMILY	DISPLACEMENT (cc)	TYPE	TYPE			
2002	2YMXX.660GCB	660	All-Terrain Vehicle	Gasoline			
VEHICLE MODELS / ENGINE CODES (rated engine power in horsepower, hp)		YFM660FWA/M302 (40.9)					

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust emission standards, or designated HC+NOx standard as applicable, and certification levels in grams per brake horsepower-hour (g/bhp-hr) for this engine family. The designated HC+NOx standard, as applicable, shall be displayed on the permanent emission control label. Vehicles within this engine family, and engines that power such vehicles, shall not discharge any crankcase emissions into the ambient atmosphere in conformance with Title 13, California Code of Regulations, (13 CCR) Section 2412(i).

000000	HC+NOx (CO (g/bhp-hr)				
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION	* = not applicable
	*	10.0	8.1	300	143	, apprount

BE IT FURTHER RESOLVED: That pursuant to 13 CCR Section 2412(e), the listed vehicles, and engines that power such vehicles, were tested in accordance with the incorporated small off-road engine test procedures, and have demonstrated compliance with such applicable emission standards.

BE IT FURTHER RESOLVED: That certification to the designated HC+NOx standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated standard shall be the exhaust limit for this engine family for the model year and cannot be changed by the manufacturer. Such standard shall be used to determine engine family compliance, and compliance with the corporate average HC+NOx standard in accordance with 13 CCR Sections 2412(b), (d) and 2414.

BE IT FURTHER RESOLVED: That the listed vehicles, and engines that power such vehicles, shall be subject to 13 CCR Section 2414 (enforcement and recall provisions).

BE IT FURTHER RESOLVED: That the listed vehicles, and engines that power such vehicles, shall comply with 13 CCR Sections 1965 and 2413 (emission control labeling).

Vehicles, and engines that power such vehicles, 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. Vehicles, and engines that power such vehicles, in this family that are produced for any other model-year are not covered by this Executive Order.

day of June 2001.

Executed at El Monte, California on this

R. B. Summerfield, Chief

Mobile Source Operations Division

E.O.# <u>U-M-</u> <u>004-003/</u> 2002 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET ALL TERRAIN VEHICLE

Manufacturer:	Yamaha Motor Co., Ltd.	_	<u>Engine</u> Displaceme	660 Single 5		
Engine Family:	2YMXX.660GCB	_	Engine Cor Valves/Cy			
All Engine Codes in	Engine Family: CA V	. 49S 50S	Strokes/Cooling Me	edium etors	4 Water 1	
Max Rated Power:		40.9Hp	Bbls per C Fuel Injecti (specify TE	ion	1 N.A.	
Exhaust ECS (e.g.,		previations per SAE J193	0 SEP91)			
1. Test Vehicle(s) Ii (indicate Model	nformation — Carry Over/ Year/ID)	Carry Across:		1EW		
2. Corporate Averag	ging Plan:			۱.A.		
(Indicate Plan D 3. U.S.EPA Certifica (Indicate Certificate)	ate:		N,A.			
			PROJECTE		NS (1)	
	ode <u>Dispi Trans EIM</u> 302 660 AT –	RL HC <u>Force MPG g/bhp-h</u> 3.87	NOx <u>g/bhp-hr</u> 4.24	HC+NOx g/bha-br 8(11	GO g/bhp=hr (143.1	
	Confirmatory	Test #1: N.A.				
The above emission comply with Engine	-data vehicle engine(s) Class <u>II</u> standards of:			10.0	000	
and include deterior				10.0 1.000	300 1.050	
(1) Comply with the displacement classe	Corporate Average stand s. The Designated HC+N	ard of 10.0 g/bhp-hr fo Ox emission standard is	r all engine N.A. g/bhp-	-hr.		
based on a specific to of actual usage patto emission were measured.	tested using optional utility test cycle (suited for bence erns, 5000 km equivalent v ured at a few points. DFs for: CO: 1.050, H	h testing), elaborated by were accumulated, during	substitution	<u>ust</u>		
Application Processed by:	Pryor Date: 6/1/	101 Reviewed by 6	1/2/01 Da	te: <u>6/12/</u>	<u>'o j</u>	
Date Issued: <u>F</u>	ebruary/14/2001					

Revision Date: