State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-39-5
Relating to Certification of New Motor Vehicles

FWD CORPORATION/SEAGRAVE FIRE APPARATUS, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That FWD Corporation/Seagrave Fire Apparatus, Inc. heavy-duty vehicles are certified using the 1977 engines listed below:

Engine Manufacturer	Engine Family	Engine Model	Engine Size (CID)	Engine Certification Executive Order No.
Caterpillar Tractor Company	4	3306	638	A-13-13
	7	1693	893	A-13-14
	9	3406	893	A-13-15
	10	3406	893	A-13-16
	12	3408	1099	A-13-17
	13	3208	636	A-13-18
	14	3306	638	A-13-19
General Motors Corporation	6L-71N	6L-71N	426	A-6-102
	8V-71TAE	8V-71TAE	568	A-6-103
	6V-92TA	6V-92TA	552	A-6-104
	8V-92TA	8V-92TA	736	A-6-105
Cummins Engine Company, Inc.	092	NTCC-230-S, NTCC-230.	855	A-21-11
	092B	NTCC-290, NHHTCC-290, Power Torque 270, NTCC-250-S, NTCC-250.	855	
	093E	NTCC-350.	855	
	093F	NTCC-350	855	A-21-12
	172A	VT-903	903	
	222	VT-555	555	

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

Engine Family	HC + NOx gm/bhp-hr	CO gm/bhp-hr	HC gm/bhp-hr	NOx gm/bhp-hr
Caterpiller:				
4	Not Applicable	1	0.2	6.1
7	Not Applicable	1	0.2	5.1
9	Not Applicable	1	0.2	5.8
10	Not Applicable	1	0.3	5.0
12	Not Applicable	1	0.2	5.4
13	5	7	Not Applicable	Not Applicable
14	Not Applicable	2	0.2	5.2
General Motors:				
6L-71N	Not Applicable	7	0.4	7.5
8V-71TAE	Not Applicable	2	0.5	6.2
6V-92TA	Not Applicable	2	0.6	6.4
8V-92TA	Not Applicable	2	0.6	7.3
Cummins:				
092	Not Applicable	3	0.3	6.6
092B	Not Applicable	1	0.3	6.6
093E	Not Applicable	2	0.2	6.6
093F	Not Applicable	2	0.3	7.0
172A	Not Applicable	6	0.8	2.0
222	Not Applicable	3	0.6	7.2

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 29 day of April, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division