

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-325-32

Relating to Certification of New Heavy-Duty Motor Vehicles

GFI CONTROL SYSTEMS, 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-45-9;

IT IS ORDERED AND RESOLVED: That 2000 model-year GFI Control Systems, Inc. motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) greater than 14,000 pounds are certified using Otto-cycle engines listed below:

Fuel Type: Dual-Fuel Liquefied Petroleum Gas (LPG) or Gasoline

<u>Engine Manufacturer</u>	<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Engine Model Year and Certification Executive Order No.</u>
GFI Control Systems, Inc.	1G9XH06.88CP	6.8 (417)	2001 A-325-31

Engine and vehicle models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	4.0

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are: (The values in parentheses are for gasoline.)

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0.3 (0.1)	4.1 (2.4)	1.3 (0.5)

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models to the running loss and useful life standards listed in Section E.1.(a) of the "California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 28th day of August 2000.



R. B. Summerfield, Chief
Mobile Source Operations Division

CI ENGINE EVAPORATIVE EMISSION FORM

Manufacturer: GFI Control Systems Inc.

- | | |
|---|--|
| 1. Model Year 2001 | 2. Date 6/21/2000 |
| 3. Process Code New Submission | 4. Test Data Set Number 0685 |
| 5. EPA Standardized Evaporative Family name
1G9XE0155BAJ | 6. Fuel Dual fuel 1 (Propane/Gasoline)
<i>LPG</i> |
7. A.) Evaporative Certification Standard 86.091-10(b) - Otto Cycle B.) Weight Catagory 14K < GVWR < 26K

8. **Evaporative Results**

	Test 1	Test 2	Test 3
Date of Test	2/24/99		
3 Diurnal g/test			
2 Diurnal g/test	1.578		3.5
Running Loss g/test			
Spit Back g/test			
Pre 1996 Evap Test g/test			

9. **Evaporative Family/Engine Comparison Information**

Evaporative Family Code	Engine Manufacturer	Engine Family	Evaporative Control System
1G9XE0155BAJ	GFI Control Systems Inc.	1G9XH06.88CP	Ford OEM

MODELS

MY 2001 P131 LPG Bi-fuel Configurations

All vehicles are incomplete cab and chassis with:

- Regular and Crew Cab
- Dual Rear Wheel
- 6.8L PI Engine
- 4R100 Transmission

4x2 Vehicles

Vehicle	Cert	Wheel Base	Rear Axle	GVW
F450	Cal	140.8/164.8/200.8	4.88/4.88LS/5.38/5.38LS	15000
F550	Cal	140.8/164.8/200.8	4.88/4.88LS/5.38/5.38LS	17500
F550	Cal	200.8	4.88/4.88LS/5.38/5.38LS	19000

4x4 Vehicles

Vehicle	Cert	Wheel Base	Rear Axle	GVW
F450	Cal	140.8/164.8/200.8	4.88/4.88LS/5.38/5.38LS	15000
F550	Cal	200.8	4.88/4.88LS/5.38/5.38LS	19000