State of California
AIR RESOURCES BOARD

Executive Order G-70-134

Certification of the EZ-flo Rebuilt
A4000-Series and 11V-Series Vapor Recovery Nozzles

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601 and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions during motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Code of Regulations;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601 and 41954 of the Health and Safety Code, test procedures for determining the compliance of Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Code of Regulations;

WHEREAS, EZ-flo Nozzle and Equipment Company, a Division of Friedman Marketing Corporation (hereinafter referred to as "EZ-flo"), has requested certification of the rebuilt A4000-series and 11V-series nozzles as specifically identified in Exhibit 1 of this Order for use with Phase II vapor recovery systems;

WHEREAS, I find that the EZ-flo rebuilt A4000-series and 11V-series vapor recovery nozzles, when used with balance Phase II vapor recovery systems, at new and existing installations, conform with all the requirements set forth in Sections I through VII of the Certification Procedures, and result in vapor recovery systems that are at least 95 percent effective for attendant and/or self-serve use at gasoline service stations when used in conjuction with Phase I vapor recovery systems that have been certified by the Board;

WHEREAS, the EZ-flo rebuilt vapor recovery nozzles, as specified in Exhibit 1, have been evaluated pursuant to the Certification Procedures and Test Procedures;

WHEREAS, I find it is necessary for each EZ-flo rebuilt nozzle and manufactured component to be marked such that it is clear that the nozzles and manufactured components were rebuilt or manufactured by EZ-flo;

WHEREAS, "boot protectors" installed over the bellows may impair the functioning of the nozzles;

WHEREAS, I find that coaxial vapor recovery hoses when used with balance Phase II vapor recovery systems result in an improvement to the performance of the systems; and

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that the vapor recovery system conforms to all of the requirements set forth in Sections I through VII of the Certification Procedures.

NOW THEREFORE, IT IS HEREBY ORDERED that the EZ-flo rebuilt A4000-series and 11V-series vapor recovery nozzles and replacement parts, as specified in Exhibit 1, are hereby certified for use with Phase II vapor recovery systems.

IT IS FURTHER ORDERED that all nozzles rebuilt by EZ-flo and all component parts manufactured by EZ-flo shall be clearly marked as shown in Figures 1 and 2 so as to identify that they were provided by EZ-flo. Identification marking of internal parts shall be as in the retained sample nozzles and documented during the observed assembly of the test nozzles, and

IT IS FURTHER ORDERED that the EZ-flo rebuilt nozzles certified herein shall be installed consistent with the specifications contained in the applicable revision of Executive Order G-70-52.

IT IS FURTHER ORDERED that where balance type vapor recovery nozzles are to be installed at a new installation only the coaxial balance type vapor recovery nozzles and coaxial hose configurations may be used. For existing balance type dual hose systems, either dual nozzles or coaxial nozzles with a certified adaptor may be used.

IT IS FURTHER ORDERED that the maximum dispensing rate shall be ten gallons per minute unless otherwise specified in the latest revision of Executive Order G-70-52;

IT IS FURTHER ORDERED that EZ-flo rebuilt vapor recovery nozzles must be capable of fueling, without the use of nozzle spout extenders, any motor vehicle that may be fueled at service stations not equipped with vapor recovery systems.

IT IS FURTHER ORDERED that the use of "boot protectors" with the EZ-flo rebuilt nozzles certified herein is prohibited;

IT IS FURTHER ORDERED that compliance with the certification requirements and rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the State Fire Marshal's Office, and the Division of Occupational Safety and Health of the Department of Industrial Relations is made a condition of this certification.

IT IS FURTHER ORDERED that the nozzles certified hereby shall perform in actual use with the same effectiveness as the certification test nozzles. Compliance with this performance criterion shall be a condition of this certification, and failure to meet this criterion shall constitute grounds for revocation, suspension or modification of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the nozzles certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the Executive Officer or his/her designee.

IT IS FURTHER ORDERED that the certified Phase II vapor recovery nozzles shall, at a minimum, be operated in accordance with the manufacturer's recommended maintenance intervals and shall use the manufacturer's recommended operation, installation, and maintenance procedures.

IT IS FURTHER ORDERED that the EZ-flo rebuilt vapor recovery nozzles specified in this Executive Order shall be 100 percent performance checked at the factory including checks of proper functioning of all aspects of performance including automatic shut-off mechanisms.

Executed at Sacramento, California this 21 day of December, 1990.

James D. Boyd
Executive Officer

EXHIBIT 1
Executive Order G-70-134
Certification of the EZ-flo Rebuilt
A4000-Series and 11V-Series Vapor Recovery Nozzles

The following table indicates the EZ-flo rebuilt nozzles and parts as certified herein. Certified OPW or Emco Wheaton parts, as appropriate, may be substituted for the EZ-flo parts listed, and EZ-flo front end parts may be used on Emco Wheaton or OPW nozzles. Where only Emco Wheaton parts are specified, there are no other parts certified at this time. If such replacement parts are later certified, they may be substituted for the specified Emco Wheaton parts. All nozzles listed herein are certified with either unleaded or leaded spouts, and with or without hold open latches.

Nozzle	System Type	Hose Type	Component	Manufactured by
A4000 *	Balance	Dual	Internal parts	EZ-flo
			Spout	EZ-flo or Emco Wheaton
			Bellows assembly	EZ-flo or Emco Wheaton
			Faceplate	EZ-flo or Emco Wheaton
A4001 *	Balance	Coaxial	Internal parts	EZ-flo
			Spout	EZ-flo or Emco Wheaton
			Bellows assembly	EZ-flo or Emco Wheaton
			Faceplate	EZ-flo or Emco Wheaton
A4002	Assist	Dual	Internal parts	EZ-flo
			Spout	EZ-flo or Emco Wheaton
			Bellows assembly	Emco Wheaton
			Facecone	Emco Wheaton
A4003	Assist	Coaxial	Internal parts	EZ-flo
			Spout	EZ-flo or Emco Wheaton
			Bellows assembly	Emco Wheaton
			Facecone	Emco Wheaton
A4005	Balance	Coaxial	Internal parts	EZ-flo
			Spout	Emco Wheaton
			Bellows assembly	Emco Wheaton
			Faceplate	Emco Wheaton

* A remote vapor check valve is required with the A4000 and A4001 nozzles. The certified remote vapor check valves are listed in the latest revision of G-70-52.

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11VF	Balance	Dual	Internal Parts	EZ-flo
			Spout	EZ-Flo or OPW
			Bellows assembly	EZ-flo or OPW
			Faceplate	EZ-flo or OPW
11VF	Balance	Coaxial	Internal Parts	EZ-flo
			Spout	EZ-Flo or OPW
			Bellows assembly	EZ-flo or OPW
			Faceplate	EZ-flo or OPW
11VE	Assist	Dual	Internal Parts	EZ-flo
			Spout	EZ-Flo or OPW
			Bellows assembly	EZ-flo or OPW
			Facecone	EZ-flo or OPW
11VE	Assist	Coaxial	Internal Parts	EZ-flo
			Spout	EZ-Flo or OPW
			Bellows assembly	EZ-flo or OPW
			Facecone	EZ-flo or OPW

FIGURE 1
Executive Order G-70-134
Certification of the EZ-flo Rebuilt
A4000-Series and 11V-Series Vapor Recovery Nozzles

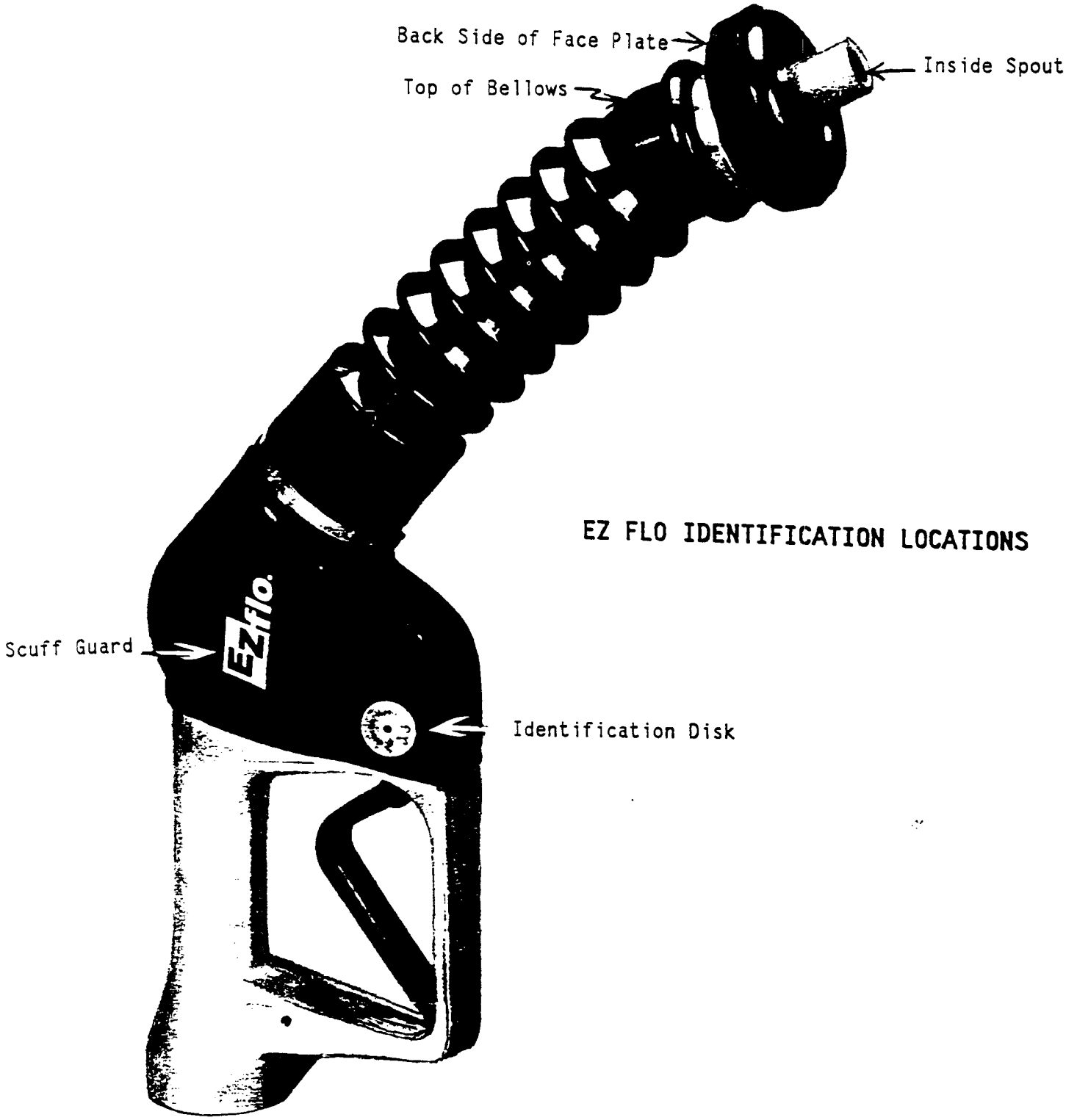
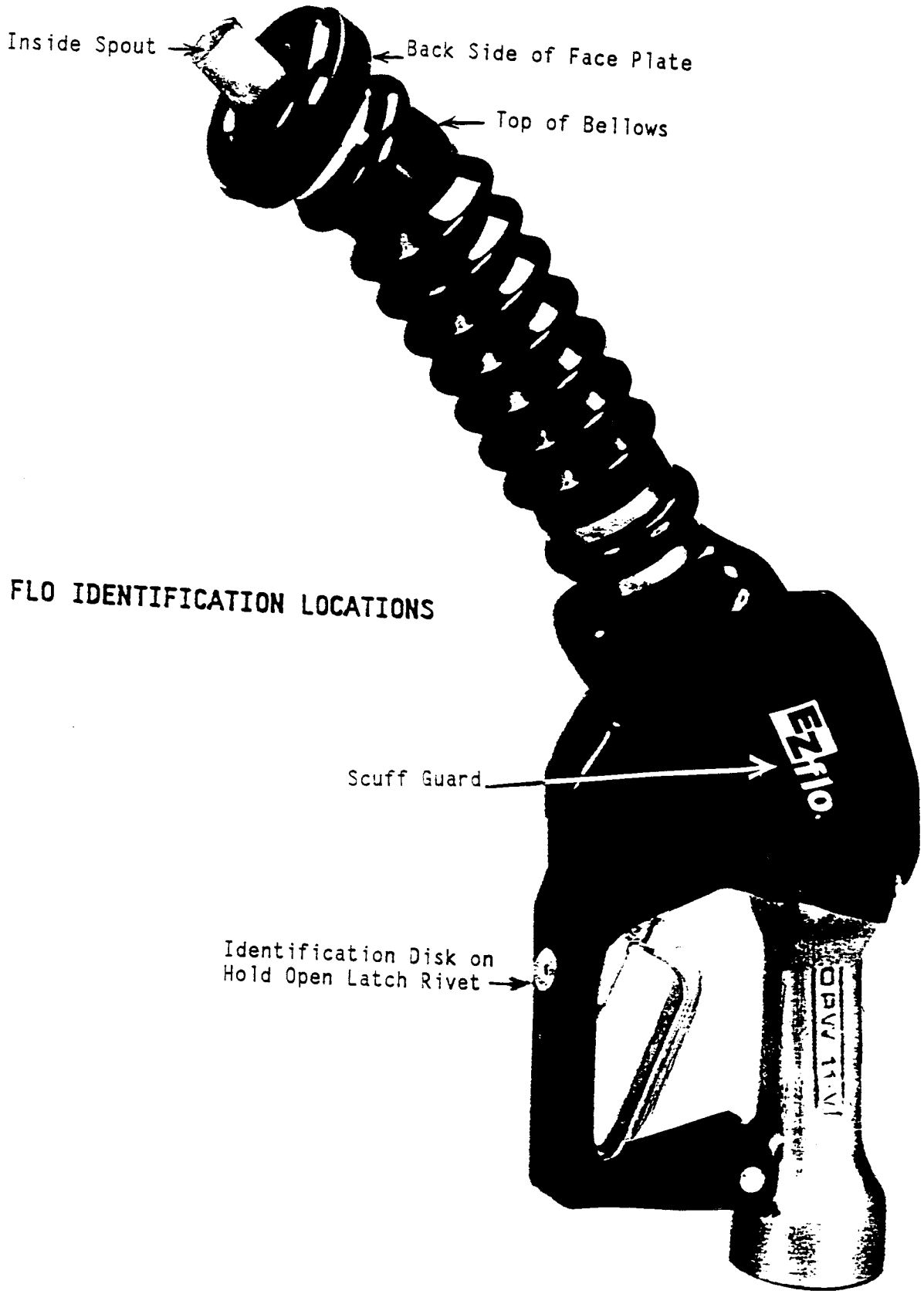
FIGURE 2
Executive Order G-70-134
Certification of the EZ-flo Rebuilt
A4000-Series and 11V-Series Vapor Recovery Nozzles