

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-63  
Relating to Exemptions under Section 27156  
of the Vehicle Code

PALMCO ENGINEERING COMPANY  
"MONITOR GASAVER"

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That the installation of the "Monitor Gasaver" distributed by Palmco Engineering Co., 8416 Secura Way, Santa Fe Springs, California 90670, has been found to not reduce the effectiveness of motor vehicle pollution control devices and therefore is exempt from the prohibitions of Section 27156 of the Vehicle Code for 1976 model-year and older model-year vehicles.

This device consists of a plastic unit installed in the fuel line between the fuel pump and the carburetor. The unit contains two diaphragms and calibrated back up springs designed to absorb the pulsations created in the fuel by the fuel pump.

This Executive Order is valid provided that installation instructions for this device will not recommend tuning the vehicle to specifications different than those listed by the vehicle manufacturer.

Changes made to the design or operating conditions of the device, as exempted by the Air Resources Board, that adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of this device using an identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as the effect that the use of this device may have on any warranty either expressed or implied by the vehicle manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE "MONITOR GASAVER" DEVICE.

No claim of any kind, such as "Approved by Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

Section 17500 of the Business and Professions Code makes unlawful, untrue or misleading advertising, and Section 17534 makes violation punishable as a misdemeanor.

Sections 39130 and 39184 of the Health and Safety Code makes unlawful, untrue or misleading advertising, and Section 17534 makes violation punishable as a misdemeanor.

Sections 39130 and 39184 of the Health and Safety Code provide as follows:

"39130. No person shall install, sell, offer for sale, or advertise, or, except in an application to the board for certification of a device, represent, any device as a motor vehicle pollution control device unless that device has been certified by the board. No person shall sell, offer for sale, advertise, or represent any motor vehicle pollution control device as a certified device which, in fact, is not a certified device. Any violation of this section is a misdemeanor."

"39184. (a) No person shall install, sell, offer for sale, or advertise, or, except in an application to the board for accreditation of a device, represent, any device as a motor vehicle pollution control device for use on any used motor vehicle unless that device has been accredited by the board. No person shall sell, offer for sale, advertise, or represent any motor vehicle pollution control device as an accredited device which, in fact, is not an accredited device. Any violation of this subdivision is a misdemeanor."

Any apparent violation of the conditions of this Executive Order will be submitted to the Attorney General of California for such action as he deems advisable.

Executed at Sacramento, California, this 7<sup>th</sup> day of January, 1976.  
~~November, 1975.~~

WILLIAM H. LEWIS, JR.  
Executive Officer

State of California  
AIR RESOURCES BOARD

November 21, 1975

Staff Report

Evaluation of Palmco Engineering Co.  
"Monitor Gasaver"  
for Exemption from the Prohibitions of  
Section 27156 of the Motor Vehicle Code

I. Introduction

Palmco Engineering Co., has submitted an application requesting an exemption from Section 27156 of the California Motor Vehicle Code for the "Monitor Gasaver" (Reference - Exhibit A). Vehicle Code Section 27156 prohibits the installation of any device or mechanism which reduces the effectiveness of the required emission control systems. This vehicle code section also authorizes the Air Resources Board to exempt devices from this prohibition if a finding shows the device will not adversely affect the performance of the emission control system. The applicant is requesting the exemption be granted for all 1975 and older model-year vehicles.

II. System Description

This device consists of a plastic unit installed in the fuel line between the carburetor and the fuel pump. The unit contains two diaphragms and calibrated back up springs to absorb the pulsations created in the fuel by the fuel pump.

### III. System Function

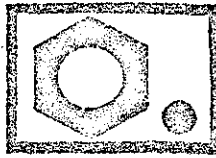
According to the applicant, the device improves the life of the carburetor valve seat and float and maintains an even float level at all times. In addition the unit will indicate fuel pump pressure. (See Exhibit B).

### IV. System Evaluation

The staff is of the opinion that since there is no restriction to the flow of fuel, there is no effect on emissions. The pressure in this section of the line is approximately 8 lbs./in<sup>2</sup>. The diaphragm burst pressure specification is 3000 lbs/in<sup>2</sup>. (Exhibit C). There appears to be no safety hazard from the bursting of the diaphragm. The unit appears leak proof and 6 nuts and bolts are used to clamp the unit and diaphragms together.

### V. Conclusion and Recommendation

Based on an engineering evaluation, the device does not appear to have any effect on emissions and there is no basis upon which to deny exemption. The staff, therefore, recommends that Palmco Engineering Co. be granted an exemption from the prohibitions of Vehicle Code Section 27156 for the "Monitor Gasaver" for all 1975 and older model year vehicles using gasoline carburetors.



## Palmco Engineering Co.

8416 SECURA WAY, SANTA FE SPRINGS, CALIFORNIA 90670

(213) 696-5325

October 14, 1975

California Air Resources Board  
9528 Telstar Avenue  
El Monte, Calif.

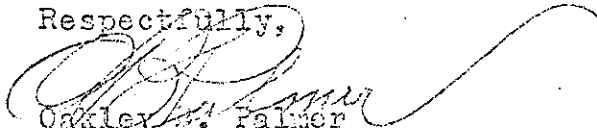
Attention: Mr G. Haas

Dear Mr. Haas:

Pursuant to a demand by Mr Kingsley Macomber of the ARB in Sacramento we are making formal application for a grant of exemption from the prohibitions of Section 27156.

1. Enclosed is a detailed description of the device known as the Monitor Gasaver.
2. The purpose of the device which contains two weight calibrated springs and diaphragms for the purpose of cutting down the pulsation of the gas flow from the pump to the carburetor thus eliminating the potential of overflow and/or froth caused by said pulsation when it reacts on the float arm.
3. Enclosed is a detailed instruction sheet for installation of the device. It is self-explanatory.
4. No emission tests have been taken on this device because technically it makes no change in carburation or air flow as its action comes prior to said operation.
5. Board findings are requested on all makes and models of automobiles from the old to the new.
6. A sample of our device has been submitted to Mr. Irving Ettinger at your office as of this date.

Respectfully,

  
Oakley W. Palmer  
President

OAB/cs

**DIRECTIONS FOR INSTALLING YOUR GASAVER**

1. Metal base line tube cutter
2. Knife for Rubber Hose.
3. Pliers.

**1. WHEN GAS LINE IS RUBBER**

Cut out a 2½" section. Install Gasaver as shown in Diagram A & B.

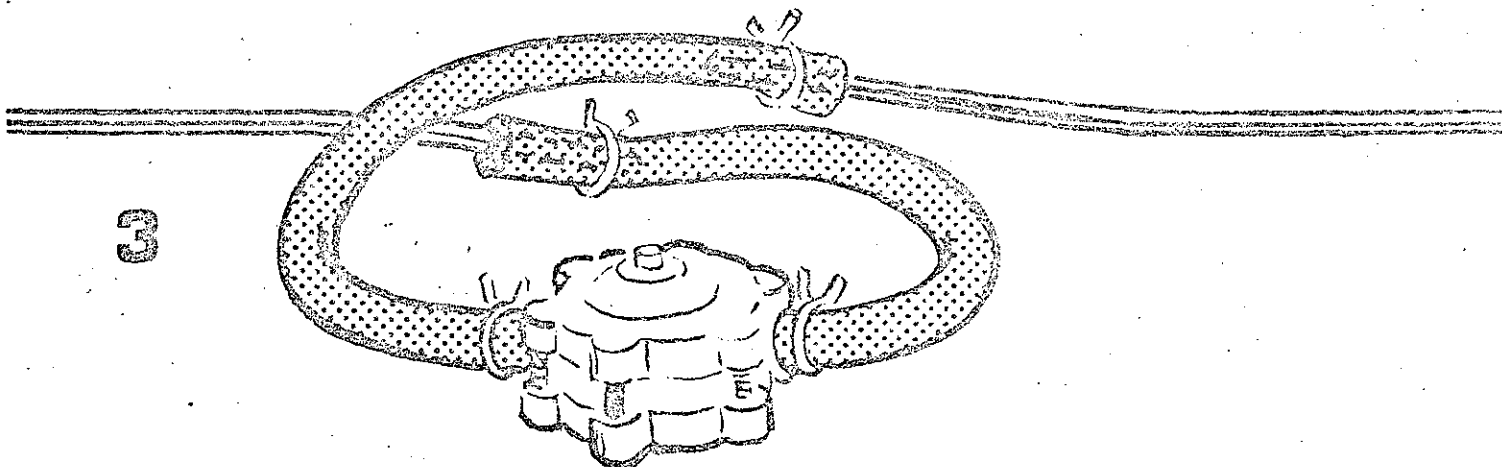
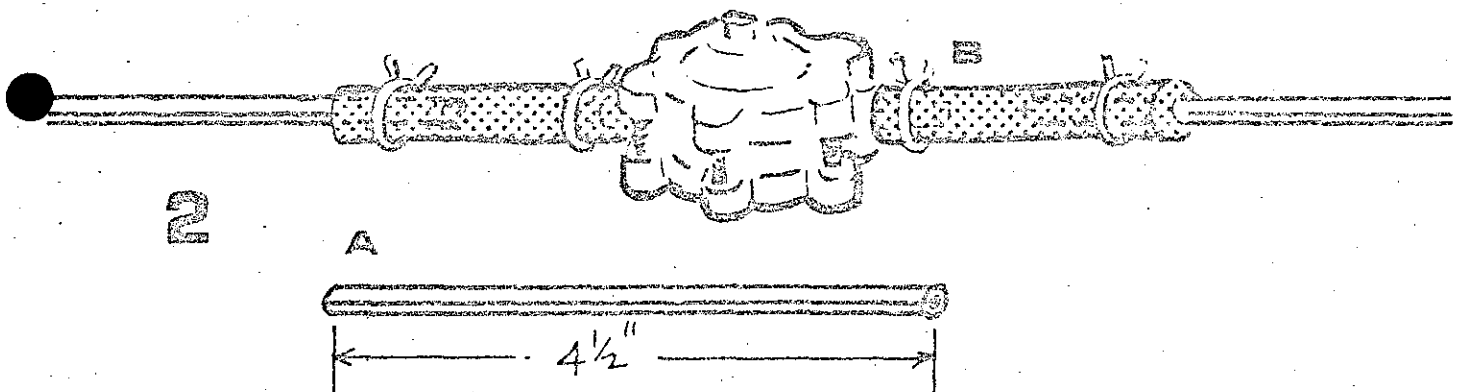
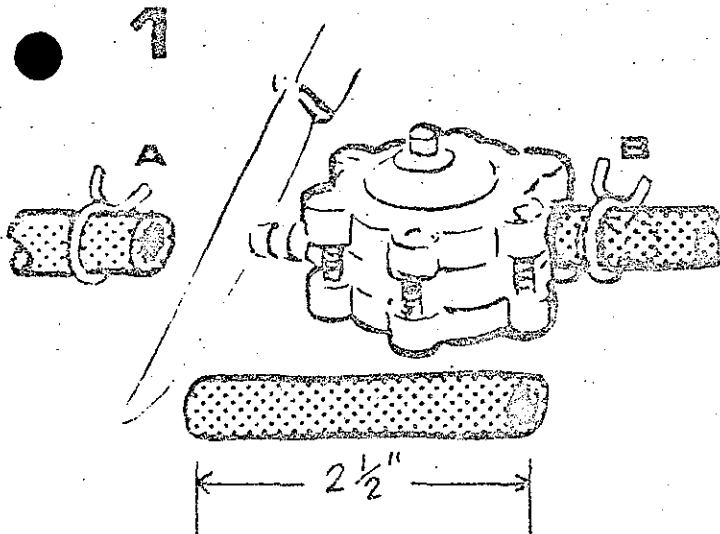
**2. WHEN GAS LINE IS METAL**

Cut out a 4½" section of tubing and install as shown in diagrams A & B, using hose supplied with kit.

3. If existing line is not 2" from engine, obtain an additional 12" length of rubber fuel line with proper size opening to fit your gas line and install as shown in diagram #3.

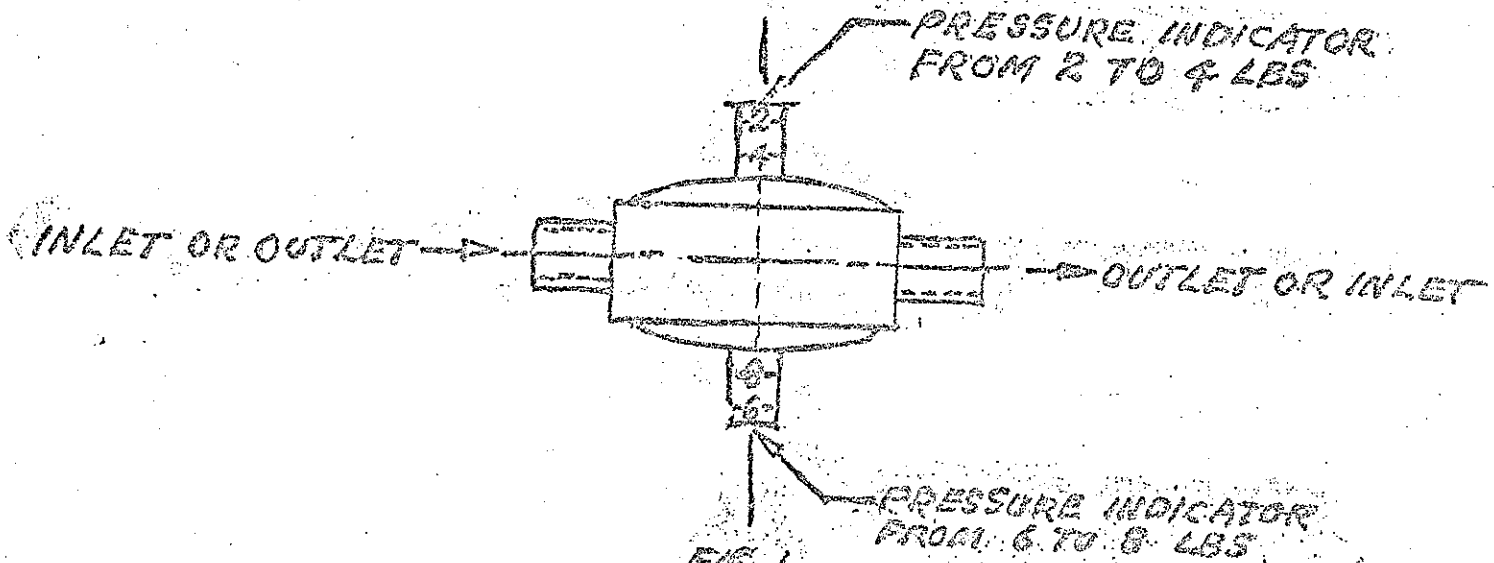
**IMPORTANT!**

Do not install over or close to exhaust manifold.  
Start engine and carefully check for any leaks.



Gasaver may be installed in any position on the gasoline between the fuel pump and the carburetor. Gasaver operates efficiently, vertically, horizontally or on any angle.

# CARBURETOR FUEL CONTROL AND FUEL PUMP PRESSURE INDICATOR



WHEN INDICATOR IS IN UP POSITION AND THE MOTOR STOPS CHECK FOR IGNITION TROUBLE

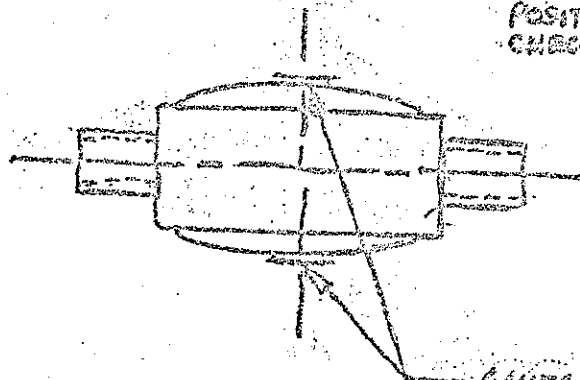


FIG 2

WHEN INDICATORS RETRACTED IN THIS POSITION IT MEANS NO PRESSURE

OUT OF GAS  
OR  
FUEL PUMP FAILURE

PATENT PENDING  
TELEPHONE 213-786-3704  
1620 S. MYRTLE AVE.,  
MONROVIA, CALIFORNIA 91016  
TELEPHONE 213-358-3161

CARBURETOR  
STARLITE FUEL CONTROL

Double action for low or high fuel pump pressure

1620 South Myrtle Avenue  
Monrovia, California U.S.A.  
Phone: 358-3161

GAS SAVER

Engine Fuel Control and Fuel Pump Tester stops pulsations from pump to carburetor. Saves gas. More balances to the engine power. Stops vapor lock. It indicates fuel pump pressure at all times while engine is operating.

Stops vapor lock	One model fits all cars,
Stops spitting	trucks, tractors, and also
Stops stalling	motor boats.
Stops jerking in high gear	
Will not restrict flow going into carburetor	

Qualifications of the Fuel Control Indicator

1. One size, 2x1 - lightweight
2. It is Universal. Can be installed on any direction or angle to the fuel pump, carburetor, or split gas line.
3. Can be used in conjunction with 1, 2, or 4 carburetors.
4. Stops pulsations. Improves life of carburetor float and valve seat. Maintains an even float level at all times.
5. No maintenance or cleaning required. One sealed unit.
6. Stops pulsations. Guarantees smooth performance - Right or Left turns, Stop and Go, or down hill.
7. Guaranteed to improve performance on Motor Boats regardless of the water waves.
8. Will indicate Fuel Pump trouble.
9. Fuel Control and Fuel Pump test guaranteed for 100,000 miles.

PATENT PENDING

TELEPHONE 213-286-8404  
213-447-4907

9422 LAS TUNAS DR.,  
TEMPLE CITY, CALIFORNIA  
91780 U.S.A.



CHEMICAL RUBBER PRODUCTS, INC.  
 A Division of The Richardson Co.  
 Beacon, New York

FABRIC SAMPLE SPEC.  
INFORMATION SHEET

1. LAB #  
    Q #  
    CRP #       6321
  2. COATING:       NBR 50+ Durometer
  3. FABRIC:        Cotton
  4. WEIGHT:        11.5 oz. / sq. yd.
  5. TENSILE:
 

WARP	120
FILL	120
  6. TEAR:
 

WARP	
FILL	
  7. BURST:         300# Net.  
    Mullen
- COATED FABRIC
8. WEIGHT:        32.8  $\pm$  5%
  9. THICKNESS:    .043  $\pm$  .003"
  10. ADHESION     10 lb./in. min.
  11. ABRASION:
  12. FLAME
  13. SPECIAL CHARACTERISTIC:
  14. PROBLEMS:
  15. PRICE
  16. WIDTH

Note: This data obtained from sample and is only indicative of values that can be obtained from production run

Skipped #