

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-42  
Relating to Exemptions under Section 27156  
of the Vehicle Code

RIVERSIDE PERFORMANCE PRODUCTS CO.  
"AIR-FLOW NEEDLE"

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 "Air-Flow Needle" device manufactured by Riverside Performance Products Co., 1112 West Olympic Blvd., Los Angeles, California 90015 has been found to not reduce the effectiveness of required motor vehicle pollution control devices and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for 1969 and older model-year vehicles with an engine displacement of over 140 cubic inches.

The "Air-Flow Needle" device replaces the OEM carburetor idle jets and allows air to be bled into the engine through a 0.052 inch diameter orifice.

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 originally submitted to the Air Resources Board for evaluation that adversely affect the performance of the vehicle's pollution control devices 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 to 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 "AIR-FLOW NEEDLE" 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 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 5 day of November, 1974.

WILLIAM SIMMONS  
Executive Officer

State of California  
AIR RESOURCES BOARD

October 21, 1974

Staff Report

Evaluation of Riverside Performance  
Products Company's "Air-Flow Needle"  
Device for Exemption from the  
Prohibitions of Section 27156 or  
the Vehicle Code

I. Introduction

Riverside Performance Products Company, Los Angeles, California has applied for an exemption from the prohibitions of Section 27156 of the Vehicle Code for its "Air-Flow Needle" device. This section prohibits the installation of any device which reduces the effectiveness of required motor vehicle emission control systems. The applicant is requesting the exemption be granted for 1974 and older model-year vehicles with engine displacements over 140 cubic inches.

II. System Description and Function

The "Air-Flow Needle" device is installed in the carburetor and replaces the OEM idle jets. The device is a 1-3/4 inch long externally threaded hollow rod with a 0.052 diameter orifice at one end. See Figure 1. The OEM jet is used to determine the location of lock nuts threaded on the rod to provide the proper length jet.

The applicant states that the device will improve fuel economy by leaning the air/fuel mixture.

Evaluation of Riverside Performance  
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Prohibitions of Section 27156 of the  
Vehicle Code

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III. ARB Evaluations

The "Air-Flow Needle" device is similar in design and identical in operation to a previously evaluated device, the "Econo-Needle". In its evaluation of the "Econo-Needle" device, the staff determined that the 0.6 CFM air bleed capabilities of the device did not significantly increase exhaust emissions of 1969 and older model-year vehicles with engine displacements of over 140 cubic inches.

IV. Recommendations and Conclusions

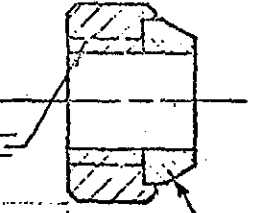
It is the opinion of the staff that the "Air-Flow Needle" device is identical in operation as the "Econo-Needle" device.

Therefore, it is recommended that Riverside Performance Product Company be granted an exemption from the prohibitions of Vehicle Code Section 27156 for its "Air-Flow Needle" device for installation of 1969 and older model-year vehicles equipped with engine displacements over 140 cubic inches.

RIVERSIDE PERFORMANCE PRODUCTS CO.  
 AIR FLOW NEEDLE & LOCK NUT

DATE	REVISED BY:	DATE	DRAWN BY:
RPP-NA-1		6-28-74	HANKLA
ASSY NO.	BILL OF MATERIAL		
NOTES	MAT'L	NAME	PART NO.
PURCHASED		LOCK NUT	RPP-NB
GOLD ANODIZED	ALUM.	AIR FLOW NEEDLE	RPP-NA

RPP-NB  
 LOCK NUT



187-32UNF-2B

NOTE: 1. DRAWING NOT TO SCALE  
 2. ALL TOLERANCES ± .002

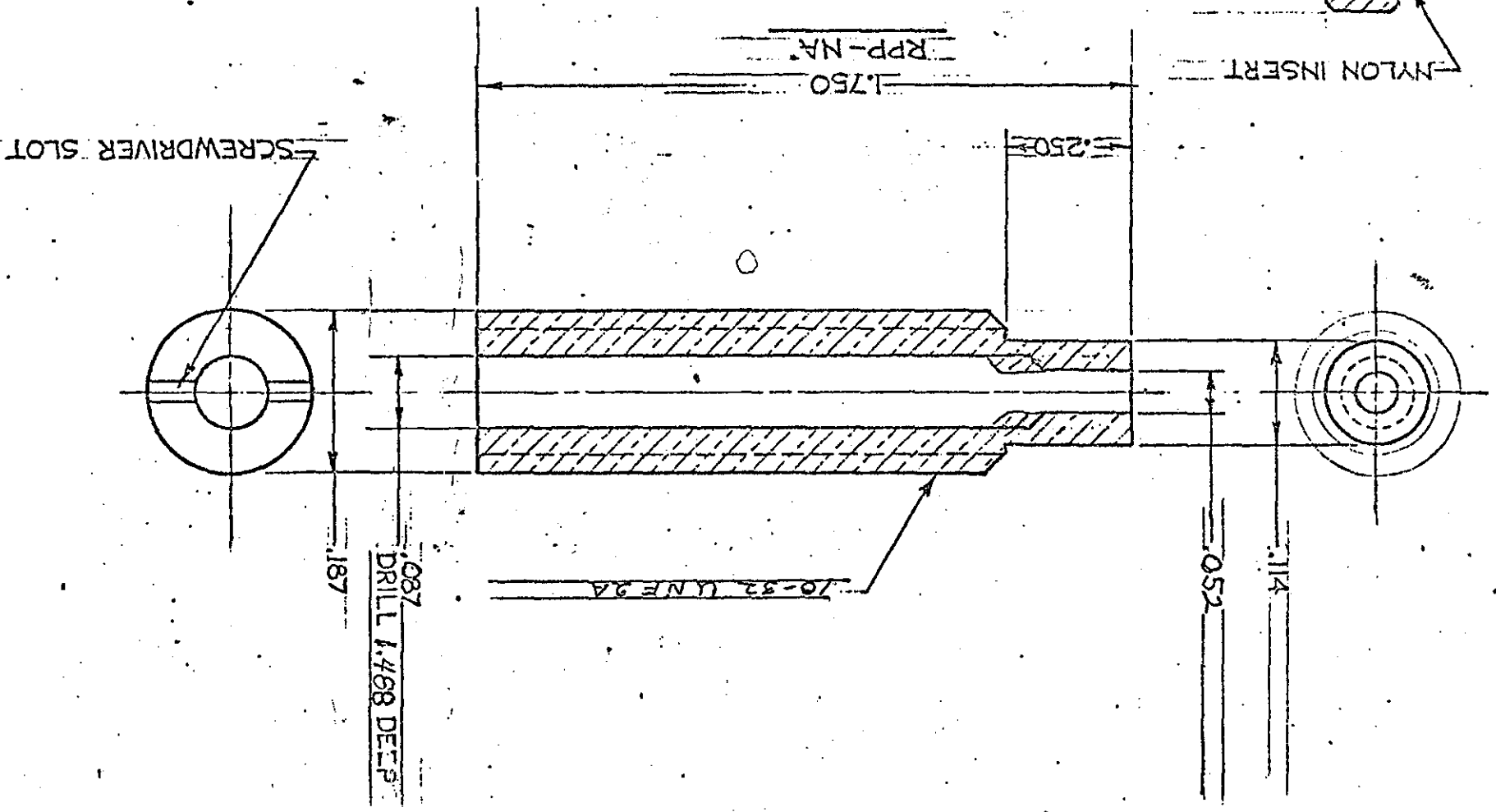


Figure 1