

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-65
Relating to Exemptions under Section 27156
of the Vehicle Code

S & S RESEARCH AND ELECTRONICS
"SURE SAFE" AUTO ANTI-THEFT SYSTEM

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 39515 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That the installation of the "Sure Safe" auto anti-theft system, manufactured by S & S Research and Electronics of 6308 Woodman Avenue, Van Nuys, California, 91401 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 installation on vehicle ignition systems.

The device is a solid state unit, consisting of resistors, transistors, and a relay, and is installed at the primary side of the ignition system. The device when activated will disable the engine after 30 seconds or less time delay by grounding the negative side of the coil. The engine can be started again after de-activating the device.

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 a 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 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 "SURE SAFE AUTO ANTI-THEFT SYSTEM".

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 untrue or misleading advertising unlawful, and Section 17534 makes violation punishable as a misdemeanor.

Section 43644 of the Health and Safety Code provides as follows:

"43644. (a) No person shall install, sell, offer for sale, or advertise, or, except in an application to the State board for certification 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 certified by the State 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 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 28 day of May, 1976.

original signed by
Thomas C. Austin
Deputy Executive Officer-Technical

State of California
AIR RESOURCES BOARD

May 6, 1976

Staff Report

Evaluation of the S & S Research and
Electronics "Sure Safe" Auto Anti-Theft System

I. Introduction

S & S Research and Electronics of 6308 Woodman Ave., Van Nuys, California 91401 has submitted an application requesting an exemption from the prohibitions of Section 27156 of the Motor Vehicle Code for the "Sure Safe" auto anti theft system for installation on the ignition system (See Exhibit A.)

II. System Description and Function

The device is a solid state unit which consist of resistors, transistors, and relay incapsulated in a housing. It is installed at the primary side of the ignition system (Exhibit B). The device when turned on is activated after the engine has been started. After 30 seconds or less time delay the unit will disable the engine by grounding the negative side of the coil primary. The engine can be restarted again after de-activating the device.

III. System Evaluation

The applicant did not submit any emission data indicating the device will not have any adverse effect on the emission control system.

Since the device acts as a switch only and does not affect the operating characteristics of the ignition system it is the staff's judgement that an emissions test is not necessary. The ARB Laboratory tested the operation of the system and was satisfied that the device operates as claimed by the applicant. The installation of the device, however, could cause some safety hazard and this concern was brought to the attention of the California Highway Patrol.

IV. Conclusion and Recommendation

Based on the evaluation of the device and the installation instructions, it is the opinion of the staff that the "Sure Safe" auto anti-theft system would not adversely affect the performance or operation of the OEM pollution control system.

The staff recommends that S & S Research and Electronics be granted an exemption from Vehicle Code Section 27156 for their "Sure Safe" auto anti-theft system.



S & S RESEARCH AND ELECTRONICS
6308 WOODMAN AVE., SUITE 216, VAN NUYS, CA 91401 • (213) 781-3033

3/19/76

ATTENTION: JOHN CHAO:

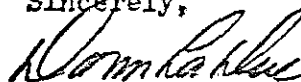
S&S Research and electronics has introduced in to the market a silent Anti-Auto theft device under the trade name of "Sure Safe". This device is a solid state unit, when turned on is activated after the engine has been started, either by key or hot wire. After a 20 second delay the unit inables the engines ignition coil by grounding the minus side of the coils secondary winding. With the coils secondary winding grounded (by the anti-theft unit) the coils magnetic field can not colapae. With the magnetic field held in a stable state the primary winding can not produce tae high voltageneeded to fire the spark plugs. Thus the engine stops in the same manner as if you were to turn the key off after running the engine for 20 seconds.

Since no wires areeat cut, removed, or replaced from the manufactures original ignition system the anti-theft unit does not add to, or take away or effect the normal performance of the engines ignition system, nor any of it's smog control system. Even if the anti-theft unit should fail physically or electronically the ignition system would still function normally.

Enclosed is a copy of the instalation instructions as you will note they are simple and straight forward. We believe that our unit does not violate any of the sections set down by Bill #27156 of the Air Resource Board.

We would appreciate a letter from you letting us know if we are in violation with the Air Resource Board. Thank You.

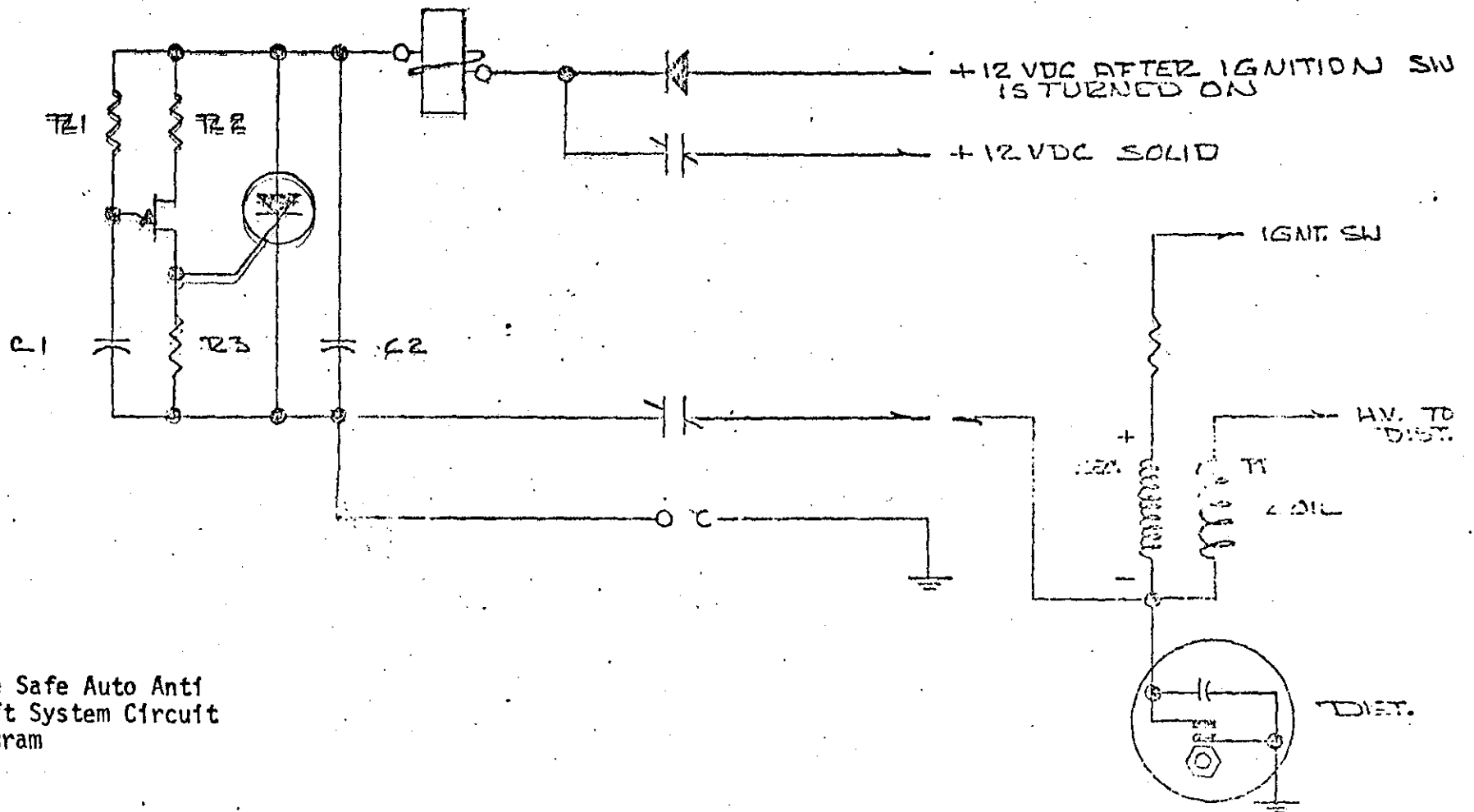
Sincerely,



Donn La Due

Vice President in charge and engineering

T.O.



Sure Safe Auto Anti Theft System Circuit Diagram