

IN THE MATTER OF
NUTRONICS CORPORATION, ET AL.

CONSENT ORDER, ETC., IN REGARD TO ALLEGED VIOLATION OF
SEC. 5 OF THE FEDERAL TRADE COMMISSION ACT

Docket C-3281. Complaint, Jan. 16, 1990—Decision, Jan. 16, 1990

This consent order requires, among other things, a Longmont, Co. manufacturer of the Alter-Brake System (ABS) to have competent and reliable scientific research to substantiate its increased fuel-saving claims, to cease misrepresenting that its ABS device has been approved by the government for sale to the public, and to display a disclaimer when making any representation of improved fuel economy or performance through the use of any such device.

Appearances

For the Commission: *R. Norman Cramer, Jr., Claude C. Wild III*
and *Mitchell B. Davis.*

For the respondents: *Paul A. Morris, Boulder, CO.*

COMPLAINT

Pursuant to the provisions of the Federal Trade Commission Act, and by virtue of the authority vested in it by said act, the Federal Trade Commission, having reason to believe that Nutronics Corporation and Gary Kelsay, individually and as an officer of Nutronics Corporation (collectively the "respondents"), have violated the provisions of said Act, and it appearing to the Commission that a proceeding by it in respect thereof would be in the public interest, hereby issues its complaint stating its charges as follows:

PARAGRAPH 1. Respondent Nutronics Corporation is a corporation organized and existing under the laws of the State of Nevada. It is qualified to do business in the State of Colorado as a foreign corporation with its office and principal place of business located at 700 Weaver Park Road, Suite A, Longmont, Colorado.

PAR. 2. Respondent Gary Kelsay is President and CEO of corporate respondent Nutronics Corporation. He formulates, directs and controls the acts and practices of said corporate respondent, including the acts and practices hereinafter set forth.

PAR. 3. Respondents are now and for sometime in the past have been engaged in the advertising, offering for sale, sale, and distribution of a product known as the "Alter Break System" ("ABS") to the public at retail and to distributors. The ABS is an "automobile retrofit device", as the term is defined in Section 511 of the Motor Vehicle Information and Cost Savings Act, 15 U.S.C. 2011.

PAR. 4. In the course and conduct of their business, the respondents have disseminated and caused the dissemination of sales materials and other advertisements for the ABS throughout the United States by various means in or affecting commerce, as "commerce" is defined in the Federal Trade Commission Act, including without limitation the insertion of advertisements in magazines and newspapers with national circulations for the purpose of inducing, and which have induced, directly or indirectly, the purchase of said product in commerce.

PAR. 5. Among the advertisements disseminated by respondents are those identified as Exhibits 1-7 attached hereto.

PAR. 6. Through the use of the advertisements referred to in paragraph five and other advertisements and sales materials, respondents have represented and now represent, expressly or by implication, that:

- a. The ABS increases gas mileage from 12-28%;
- b. The ABS, through increased fuel economy, "will pay for itself in only a few months."
- c. The ABS has been endorsed by the Department of Energy for consumer use;
- d. The ABS has been endorsed by the Department of Commerce for consumer use;
- e. The Department of Energy has conducted scientific tests on the ABS which substantiate a gas mileage increase of 24%;
- f. The Department of Commerce has conducted scientific tests on the ABS which substantiate a gas mileage increase of 24%.

PAR. 7. In truth and in fact:

- a. The ABS does not increase gas mileage by 12-28%;
- b. The ABS, through increased fuel economy, will not "pay for itself in only a few months."
- c. The ABS has not been endorsed by the Department of Energy for consumer use;
- d. The ABS has not been endorsed by the Department of Commerce for consumer use;

e. The Department of Energy has not conducted scientific tests on the ABS which substantiate an increase in gas mileage of 24%;

f. The Department of Commerce has not conducted scientific tests on the ABS which substantiate an increase in gas mileage of 24%.

Therefore, the representations set forth in paragraph six were and are false and misleading.

PAR. 8. At the time respondents made the representations set forth in paragraph six, respondents represented, directly or by implication, that they possessed and relied upon a reasonable basis for those representations.

PAR. 9. In truth and in fact, at the time respondents made the representations set forth in paragraph six, they did not possess and rely upon a reasonable basis for such representations. Therefore, the representation set forth in paragraph eight was and is false and misleading.

PAR. 10. The aforesaid false and misleading representations were and are all to the prejudice and injury of the public and have constituted, and now constitute, unfair and deceptive acts or practices in or affecting commerce in violation of Section 5(a) of the Federal Trade Commission Act. The said acts or practices are continuing and will continue in the absence of the relief herein requested.

Complaint

118 F.T.C.

EXHIBIT 1



U.S. Department of Energy
Washington, DC 20585

April 21, 1988

... "We are needless to say, very excited at the prospect of a device which offers such a dramatic improvement in fuel efficiency for the nation's vehicles. At a time when incremental improvements in automobile fuel efficiency are increasingly difficult to achieve, a device offering savings of this magnitude would be a tremendous boon to the nation both from the standpoint of the balance of trade as well as from an environmental perspective."

June 29, 1988

... "In a recent conversation with (an official of an independent testing organization which is herein unnamed per their request as tests are continuing), we were informed that the FTP (EPA's Federal Test Procedure) and HFET (Highway Fuel Economy Test) have been completed... and show statistically significant reductions in fuel consumption for highway driving. The tests also indicate that emissions are reduced as a function of fuel consumption reduction associated with the use of ABS (Alter-Break Systems)."

Director
Inventions and Innovation Programs
Conservation and Renewable Energy

Savings per year with "Alter-Break"
Based on 15,000 miles driven per year.
Gas price \$1.00 per gallon

Present gas mileage per gallon	Increase in mileage with Alter-Break			
	10%	15%	20%	25%
10	\$136.00	\$195.00	\$250.00	\$300.00
15	\$91.00	\$130.00	\$176.00	\$200.00
20	\$68.00	\$98.00	\$125.00	\$150.00
25	\$54.00	\$78.00	\$100.00	\$120.00
30	\$45.00	\$65.00	\$83.00	\$100.00
35	\$39.00	\$56.00	\$72.00	\$86.00

Manufactured by:



Nutronics Corporation

700 Weaver Park Road
 Longmont, Colorado 80501

Telephone (303) 678-5553

INTRODUCING



*Alter-Break: An Engine
Load Management System*

- Improves fuel economy
- Eliminates unnecessary alternator drag
- Improves acceleration
- Reduces auto emissions
- Easily installed

Alter-Break™

General Description

The ALTER-BREAK SYSTEM is a unique Electrical Engine Load Management system that provides substantially increased miles per gallon, more power to the drive train during acceleration, reduction of air pollution through reduction of fuel consumed, and theoretically longer battery and alternator life.

In the present vehicle battery charging system, all electrical power required for the ignition system, battery charging, lights, blower, and numerous other accessories, is taken directly from the alternator, rather than the battery, when the engine is running. The alternator, while producing this electrical power, places a heavy load on the engine of the vehicle. Furthermore, the greater demand for electrical power, the greater the load on the engine. The result of this load is less miles per gallon.

The ALTER-BREAK SYSTEM removes this load and thereby improves gas mileage. With this patented system, the alternator is electrically disabled during acceleration on heavy engine load so that all electrical power is taken directly from the vehicle battery. Although the alternator is always being rotated by the engine, it is merely free-wheeling during the time it is disabled. Therefore, no alternator load is placed on the engine during normal driving.

Battery charging is accomplished by re-enabling the alternator during vehicle deceleration or low engine load such as at stop lights. Since the alternator only operates during these periods, the wasted momentum of the vehicle as well as otherwise unused energy during idle is utilized to absorb the load of the energy-producing alternator. This frees the engine of the extra demand of driving the alternator during high engine load and that, in turn, contributes to improved fuel economy.

During normal city and suburban driving, deceleration and braking is so frequent that the battery is

kept fully charged. However, during extended highway driving at night with headlights and other electrical accessories on and with less frequent deceleration, the battery voltage could fall to an unsafe level. To prevent this from happening, the system is equipped with special electronic circuitry that monitors the battery constantly. If the battery voltage falls below a predetermined level due to infrequent deceleration or because of a heavy electrical load, this circuit automatically re-enables the alternator but only allows it to produce just enough output to maintain the battery voltage at a safe level until the electrical load is reduced or until deceleration occurs again. The next time deceleration or braking raises the battery voltage, the alternator is once again disabled as required by the engine load.

The ALTER-BREAK SYSTEM goes into a third mode of operation in cases where nearly every electrical accessory in the vehicle has to be turned on and where a low voltage condition might exist because of the heavy current demand on the battery. In this mode, the system allows the alternator to provide all of the electrical power that is needed but again automatically disables the alternator as soon as the electrical load is reduced.

Another desirable feature of this system is the built-in protection that prevents battery discharge in the event of a circuit failure. The system is designed so that any failure within the circuit will automatically reconnect the alternator to produce a controlled amount of current to keep the battery charged.

The ALTER-BREAK SYSTEM is strictly an electronic control device which is connected to the alternator and the vacuum line of the intake manifold. It will not harm an automobile's electrical system in any way. ALTER-BREAK can withstand the harsh elements of the automobile environment. It is not affected by tempera-

ture (-40 F to +212 F), vibration or moisture (it is silicone encapsulated). It can easily be installed by the individual car owner.

Test results have shown mileage increases of up to 28%, but most ALTER-BREAK users will find they average 12 to 19% fuel savings. In order for ALTER-BREAK to give you optimum results, it is important that the car's battery and alternator are in good operating condition.

ALTER-BREAK is made in the United States by Nutronics Corporation of Longmont, Colorado and has a 5 year 150,000 mile warranty.

U.S. Government Reports

The ALTER-BREAK SYSTEM (ABS) was evaluated by the United States Government through the U.S. Department of Commerce and the National Bureau of Standards. The ABS was studied and evaluated by U.S. Government Engineers as well as outside engineering consultants hired by the government and specializing in the automotive field. Some of the statements made by the government in their report to the Department of Energy are as follows:

1. "The design of the ALTER-BREAK SYSTEM is straight forward and technically valid."
2. "The circuit will perform the function claimed."
3. "The ALTER-BREAK SYSTEM is particularly attractive due to the magnitude of fuel savings for such a modest price."
4. "The fuel savings potential of the ALTER-BREAK SYSTEM is impressive."
5. "The electronic aspect of the ALTER-BREAK SYSTEM is not an evaluation issue. The unit has been built, tested, and it works."

EXHIBIT 2

The Revolutionary Alter-Break™ System

An engine load management system that
increases fuel economy and improves performance by redistributing alternator load

The revolutionary Alter-Break™ System dramatically increases vehicle gas mileage, reduces emissions and improves performance, especially during heavy stop-and-go urban driving

As the result of a recent evaluation by the Department of Commerce, a glowing recommendation was forwarded to the Department of Energy (DOE) to further develop the system.

What does the U. S. Department of Commerce say about the ABS?

1. "Utilization of the invention in one-third of the U. S. population of manual-shift transmission automobiles" (5% of all cars in the U. S.) "would produce an energy savings of at least 190 million gallons of fuel annually."
2. "The fuel savings potential of the Alter-Break System is impressive. A 19% potential fuel savings at the pump for a city-driven Audi Fox is worth serious consideration."
3. "The Alter-Break System is particularly attractive due to the magnitude of fuel savings for such a modest price."
4. "The design of the Alter-Break System is straightforward and technically valid."
5. "The circuit will preform the function claimed."
6. "The electronic aspect of the Alter-Break System is not an evaluation issue. The unit has been built, tested, and it works."

The Alter-Break System Works!

In it's report to the DOE, the U. S. Department of Commerce recommended the Alter-Break System for financial support and marketing assistance. A maximum of two inventions in 100 receive federal funding from this program annually and the Alter-Break System has been one of the chosen few.

Q&A Product Overview

Q. What is an Alter-Break System (ABS)?

A. An electrical engine load management system that provides dramatic improvements in the following areas, especially in stop and go driving conditions:

1. increased power and acceleration
2. improved fuel economy
3. reduced emissions

Q. What vehicles does the Alter-Break fit?

A. Over 90% of the gas power passenger cars and light trucks on the road today. It works equally well on manual or automatic transmission vehicles.

Q. How does the ABS work?

A. Through an easily-installed vacuum sensor, the ABS detects a demand for power. Under acceleration, the ABS temporarily disengages the alternator, thereby reducing drag on the engine and allowing it to operate more efficiently. When acceleration is completed, the ABS automatically re-engages the alternator to maintain full electrical charge to the battery. The ABS is transparent to drivers; they only notice increased fuel economy and better acceleration.

Q. Does the alternator really have that much effect on performance?

A. Absolutely! To illustrate the point, we attached a standard GM alternator and two sealed-beam headlights to an exercycle. When the alternator is engaged, a noticeable drag is placed on normal pedaling, and the headlights create even more drag.

Q. Is the ABS difficult to install?

A. No. It usually takes 10 to 12 minutes, and all parts are included in the package.

	Features	Benefits
1.	Solid state IC design	reasonable cost
2.	Compact size	more placement options under hood
3.	Fast, easy installation	maximum profits
4.	Extensive coverage; fits 90% of vehicles on the road	minimum investment in inventory; total of five part numbers to stock
5.	Fail-safe circuitry	maintains predetermined charge level; minimizes customer returns
6.	Patented product	no competition; assures continuous supply
7.	Increases gas mileage Increases power/acceleration Reduces emissions	improves saleability

General Overview

In vehicles presently on the road, all electrical power required for the ignition system, lights, blowers, and all other accessories, is taken directly from the alternator when the engine is running. In producing this power, the alternator places a tremendous load on the engine, causing it to work harder. The result: poor gas mileage, slow acceleration.

The Alter-Break System removes this load, thereby increasing gas mileage and improving acceleration.

How? Under high load, i.e. during acceleration, the ABS disengages the alternator and transfers the vehicle's electrical power requirements to the battery. During deceleration, braking and idling, the ABS automatically re-engages the alternator to fulfill the vehicle's electrical power requirements and simultaneously recharges the battery by recapturing kinetic energy. This greatly reduces engine load during acceleration, allowing it to work easily and more efficiently. The result: drastically improved fuel economy, reduced emissions, and better acceleration.

The benefits of the ABS are most apparent during stop-and-go urban driving, effecting noticeable performance improvements.

Built-in fail-safe

During extended highway driving -- especially at night, when the headlights and other accessories are used, and where deceleration is infrequent -- performance improvements are not as noticeable. Under such conditions, it would be possible for the battery charge to fall to an unsafe level, if not for a built-in fail-safe in the ABS. The system constantly monitors the battery, and automatically re-engages the alternator as need to maintain a predetermined electrical charge in the battery. When deceleration or breaking occurs, the alternator engages as usual until the battery is fully recharged. Again, this operation is transparent to the driver.

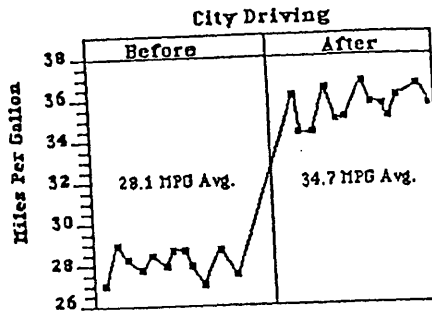
In cases where nearly every electrical accessory is being used, causing heavy electrical demand on the battery and engine, the ABS activates the alternator as needed to maintain a safe electrical charge. The same is true in cases of circuit failure.

The Alter-Break System Works!

The Alter-Break System engages the alternator ~~only when it's needed~~ to ensure full electrical charge to the battery. It fits over 90% of the gas-powered passenger cars and light trucks on the road today, whether manual or automatic transmission, and it's easily installed and attractively priced for ultimate saleability.

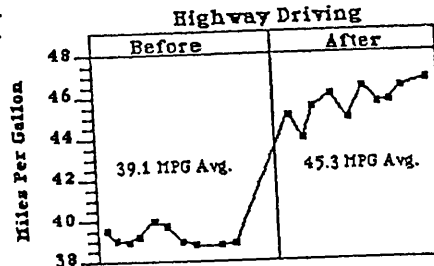
ABS Test #1

Vehicle: 1977 Audi Fox
 Test Miles: 85,000 total
 Environment: Colorado Springs, CO
 Configuration: ABS installed at 11K mi.
 EPA Rating: 24 MPG city
 Dates of test: 11/78 to 8/81
 Findings: 23% increase in MPG



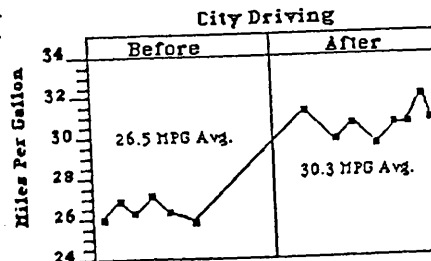
ABS Test #2

Vehicle: 1977 Audi Fox
 Test Miles: 85,000 total
 Environment: Colorado highways
 Configuration: ABS installed at 11K mi.
 EPA Rating: 36 MPG highway
 Dates of test: 11/78 to 8/81
 Findings: 16% increase in MPG



ABS Test #3

Vehicle: 1981 Toyota Corolla Station Wgn
 Test Miles: 25,000 total
 Environment: Colorado Springs, CO
 Configuration: ABS installed at
 EPA Rating:
 Dates of test: 10/81 to 11/82
 Findings: 14% increase in MPG



Alternator Load/Engine RPMs

Alternator power, as a percentage of total available vehicle road load power, for various engine/vehicle speeds is illustrated in the following chart:

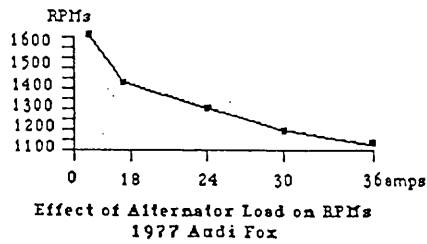
Engine (RPM)	Vehicle (MPH)	Horsepower Requirements		Alternator Load % of Road Load
		Alternator	Road Load	
Idle	0	1.1	3.0	36.7
1000	22	1.2	4.5	26.7
1500	38	1.4	11.0	12.7
2000	52	1.6	17.2	9.3
2500	67	1.8	29.5	6.1

* Source: Test data on a 3,490-pound vehicle, 318 CID-V8 by Southwest Research Institute.

Calculated for Dept of Energy by S.W. Research Institute

The following chart illustrates the amperage draw created by typical vehicle accessories. The Alter-Break System redistributes these amperage draws between the alternator and engine battery as needed.

Accessory	Amps	Accessory	Amps
radio tape deck	1	hazard lights	7
electronic fuel pump	3	blower (heat, A/C, defrost)	7
back-up lights	3	electric rear window defroster	7
turn signals	3	electric radiator/cooling fan	7
parking lights	4	electric windows, seat, etc.	8
elec. windshield wipers	4	standard ignition system	9
cigarette lighter	4	headlights (low-beam)	12
horn	6	headlights (high-beam)	14

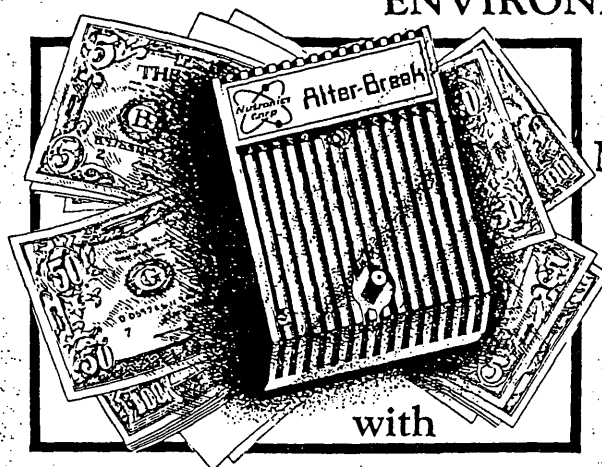


For more information on the revolutionary Alter-Break System, contact: Nutronics Corporation,
700 Weaver Park Road, Longmont, Colorado, 80501 (303)678-5553
Copyright © 1988 Nutronics Corporation

SAVE
FUEL

SAVE OUR
ENVIRONMENT

SAVE
MONEY



with

ALTER—BREAK

- Simple patented device • Works on gas and diesel vehicles
- Do-it-yourself one-time adjustment • Easy to install
- 5-Year Warranty • Will pay for itself in only a few months

This inexpensive electronic device—Hardly bigger than a pack of cigarettes—can give your vehicle up to 24% improvement in gasoline mileage.

Don't believe it? Ask the U.S. Government!

✓ "A very convincing method of improving motor vehicle economy...The unit has been built, tested, and it works."

—Report by the Energy-Related Inventions Program, U.S. Department of Energy

✓ "Our evaluation has been completed and we recommend (ALTER—BREAK) as technically valid and worthy of consideration."

National Bureau of Standards U.S. Department of Commerce

ALTER—BREAK WILL PROVIDE IMMEDIATE AND DIRECT BENEFITS BY:

- Yielding significant fuel savings.
- Delivering stronger vehicle-to-road performance.
- Reducing vehicle engine strain.

ALTER—BREAK ALSO HELPS OUR ECONOMY AND ENVIRONMENT BY:

- Substantially reducing exhaust emissions to the atmosphere.
- Contributing to: our national oil-resource conservation program (by consuming fewer gallons of fuel per the miles we drive).

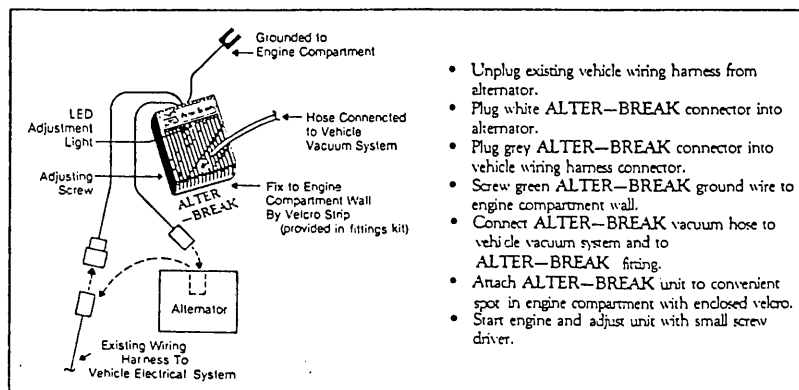
A SIMPLE CONCEPT: HOW ALTER—BREAK WORKS

A vehicle keeps its battery charged and runs its accessories by converting mechanical engine power to electricity. This task is accomplished by the alternator, a device linked to the engine by a moving belt. While an engine without ALTER—BREAK is running, the belt spins a set of coils inside the alternator to constantly generate electricity.

With ALTER—BREAK installed, the engine performance is improved by ALTER—BREAK electronically disabling the alternator except when it's really needed—either to restore reduced battery charge or to supplement the battery electrical supply during periods of heavy electrical accessory load such as during use of your head lights, air-conditioner, radio, heater, etc. Since less of the engine's mechanical power now needs to be converted into electricity, more of its power is available to go to the road and/or less fuel is consumed. Road tests show that ALTER—BREAK can improve your vehicle's miles per gallon by up to 24% depending on the engine size, accessory load, and operator driving habits.

SIMPLE INSTALLATION

The ALTER—BREAK comes in models that can be installed on most popular makes or models of vehicles, whether gas or diesel, automatic or manual transmission, and regardless of age. Just follow these quick and easy steps:



- Unplug existing vehicle wiring harness from alternator.
- Plug white ALTER—BREAK connector into alternator.
- Plug grey ALTER—BREAK connector into vehicle wiring harness connector.
- Screw green ALTER—BREAK ground wire to engine compartment wall.
- Connect ALTER—BREAK vacuum hose to vehicle vacuum system and to ALTER—BREAK fitting.
- Attach ALTER—BREAK unit to convenient spot in engine compartment with enclosed velcro.
- Start engine and adjust unit with small screw driver.

SPECIFICATIONS...AND A WARRANTY TOO

ALTER—BREAK measures 1" thick by 2.5" wide by 3.5" high and weighs just 13.5 ounces. It can operate within a temperature range of -40° to 225° F. Nominal operating voltage is 12 VDC, with a low-voltage override of 11.8 VDC. All wiring and vacuum fittings are provided for installation. And ALTER—BREAK is warranted for 5 years or 50,000 miles under normal operating conditions.

AVAILABLE THROUGH:

NUTRONICS CORPORATION
700 WEAVER PARK DR. SUITE A
LONGMONT, CO 80501
303 678-5553

EXHIBIT 4



NUTRONICS CORPORATION

CORPORATE PROFILE

MANAGEMENT STRATEGY

"There are three elements that I feel are necessary for corporate success: people, product and marketing. Nutronics is fortunate to have all three elements, to a greater degree than most expansion-oriented companies. For example,

1. Our people are outstanding. Our team consists of the best people we could find in all of the areas necessary for our growth and achievement. Our management has vast experience in marketing, finance and engineering research and development. Several members of our staff joined the Company after conducting original due diligence on our Alter-Break System. Our management consists of people who strongly believe in both our product and our Company. They are dedicated to making our business a success.

2. The Alter-Break System is simply an outstanding product. It has no competition. Our critical test data has demonstrated that we can both increase gasoline economy and reduce pollution.

3. From a marketing perspective, we have an immense market, both foreign and domestic. We also have an outstanding marketing program in place. We are implementing most of it directly. Plus, a national marketing company, experienced in direct marketing and in the distribution of automotive parts through warehouse distributors, will oversee those two significant segments of our marketing effort.

These three elements combine to form Nutronics' business philosophy: We are all dedicated to working together for the



success of the Company. All of the people on our team view Nutronics as more than a job; it's a way of life."

—Gary Kelszy,
President, Chief Executive Officer

NUMERICAL ANALYSIS OF PRODUCT: THE ALTERNATOR

The Alter-Break System is a unique, revolutionary sensor/controller, which greatly increases automobile fuel economy. While accelerating, the Alter-Break disengages the alternator, removing the heavy load of the alternator from the engine. While decelerating or braking, the alternator is again engaged by the Alter-Break, which recharges the battery.

In the event that an engine is subjected to a high load for a very long time, the voltage monitor within the Alter-Break System will override all control signals to cause the alternator to charge the battery in its normal mode of operation.

The Alter-Break System is patented, with Nutronics controlling world-wide rights to manufacture and distribute the product. The retail price of the Alter-Break is approximately \$50. Research

shows the Alter-Break generally pays for itself within three to four months.

The benefits of using the Alter-Break System include:

- Up to 24% increased fuel economy.
- Increased alternator and battery life.
- More power to the drive train during acceleration.
- Reduction of air pollution through reduction of fuel consumed.
- Installation within minutes by mechanical do-it-yourselfers.
- Warranted for five years or 50,000 miles.
- Engineered to operate for many hundreds of thousands of miles.

COMPANY HISTORY

The Company began manufacture and delivery of production model Alter-Break Systems in September of 1967. All of its production for the balance of 1967, (36,000 units) is committed to partial fulfillment of a domestic contract totalling 536,000 Alter-Break System units through December of 1968.

It is anticipated that gross revenue from this one contract alone will exceed \$6 million, with gross profits exceeding \$2 million.

The Alter-Break System also has been installed in a variety of

vehicles, under widely varying driving and climatic conditions. Currently, Alter-Breaks are being used in park and recreation district vehicles in two large cities in the U.S.

As a result of earlier, positive evaluations, two large commercial concerns, a taxicab company and a petroleum pipeline servicing firm, have committed to retrofit their entire fleet of vehicles with Alter-Break Systems.

BUSINESS HISTORY

Nutronics Corporation, traded Over-the-Counter in the U.S., is an 11-year-old company, which changed management and busi-

ness direction in April, 1957, to begin concentrating its development, manufacturing and marketing of the Alter-Break System.

BUSINESS HISTORY (cont'd)

The Alter-Break System was invented by David E. Hicks in 1982. It has been tested for more than five years on a variety of vehicles for hundreds of thousands of miles. Mileage tests consistently show a significant increase in fuel economy.

The U.S. Government, through the U.S. Department of Commerce and the National Bureau of Standards, also evaluated the Alter-Break System. The Alter-Break was studied by both government and outside engineer-consultants specializing in the automobile field.

As a result of those studies, the Alter-Break System was one of only very few inventions to receive positive response and recommendation for financial assistance by the consultants who studied it.

One consultant said, "The device's simplicity and ease of installation lends itself to department store distributorship," while another said, "The inventor has presented a very convincing method of improving motor vehicle fuel economy."

In 1984, The Department of Commerce forwarded its report on the Alter-Break System to the U.S. Department of Energy, along with a recommendation for financial support and marketing assistance. The Department of Energy subsequently awarded the inventor a \$53,000 grant for further development and commercialization preparation.

FUTURE PLANS

The management of Nutronics is fully committed to production and marketing of the product at this time, and does not intend to commit their resources to any other products. However, management has viewed other areas of opportunity, where the basic technology of the Alter-Break System could be adapted to other situations. Therefore, management says the first and most likely expansion of company business would be horizontal—for example, to use the Alter-Break technology in a variety of other load management systems, including the marine, military, industrial and aviation fields.

The Company has also signed option agreements to license distributors in Canada, Mexico, Europe, Asia, South America and Australia/New Zealand. The first of these agreements is expected to be exercised in Canada and Mexico in December of 1987, and these, as well as subsequent option exercises, will be coordinated with production capacities. Expansion of marketing commitments will be controlled to correspond with step increases in production capacity to a benchmark goal of 1 million Alter-Break units per month by January, 1989.

MANAGEMENT

Gary Kelsay, President and Chief Executive Officer of Nutronics Corporation, has longtime experience in marketing and sales, as well as international trade and development. Previous to his position in Nutronics, he was Co-founder and director of Sport-Tech International Corp. (a high-tech sporting products firm), Director and Consultant to Emtech, a regional telecommunications company, and President and joint CEO for KB Marketing, Inc. One of that company's products received the DIY Innovative Product of 1985 award at the National Hardware Show.

Vernon O. Robbins, Executive Vice President, Director of Marketing, has been an independent financial consultant and vice

president and stock broker for several major firms in Anchorage, Alaska. He has international trade experience in general stock analysis, financial planning and investment counseling.

[REDACTED] Vice President, Chief Financial Officer, was a longtime employee of Central Bank & Trust Company in Denver, Colo., where he initiated and marketed the CHEXTRA, the only guaranteed check system in the State of Colorado at that time. He later became a stock broker, specializing in quality and intermediate investments. He also is experienced in investment banking and financial consulting. Additionally, he was chairman of the fundraising drive for the Denver 1976 Olympics.

COMPANY OFFICES

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Longmont, Colo. 80501
(303) 678-5552

COMPANY CONTACTS

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AUDITORS

Brock, Buckholz and Stow, CPA
REGISTRAR & TRANSFER AGENT
Nevada Stock Transfer Corporation
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Las Vegas, Nev. 89119

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Greentree Securities
Boca Raton, Fl.
(800) 327-5000
R. Witter Securities
Colo. Springs, Colo.
(303) 574-1421
Tri-Bradley Securities
Denver, Colo.
(303) 773-9199
Gildcore Financial Services
San Diego, Ca.
(800) 682-7355

OFFICERS

Gary L. Kelsay President, Chief Executive Officer, Chairman
Vernon O. Robbins Executive Vice President,
Director of Marketing, Director
[REDACTED] Vice President, Chief Financial Officer, Director
Paul A. Morris Secretary/Treasurer, Director
Louis T. Yoshida Director of Research and Development

FINANCIAL SUMMARY

Shares Outstanding 30,580,000
Float 8,080,000
Current Share Price Range 1 3/8 bid, 1 3/4 ask
(October, 1987)

This Corporate Profile was prepared as of October, 1987, as a public relations service, by Corporate Financial Communications, Inc. from material previously released by NUTRONICS CORPORATION.

TRADING INFORMATION

The common stock of NUTRONICS CORPORATION is publicly traded in the U.S. Over-the-Counter market.

For a complete copy of this Corporate Profile, call (303) 678-5552.



Corporate Financial Communications, Inc.

The CFC Building
7880 E. Berry Place
Englewood, CO 80111
(303) 694-1155

Nutronics Corporation
700 Weaver Park Road, Suite A
Longmont, CO 80501
(303) 678-5553

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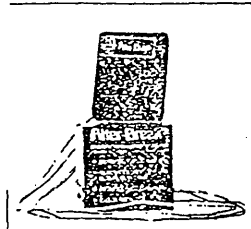
NEWS FROM OTC AMERICA INC.



OCTOBER 19, 1987

OTC America Announces New Portfolio Client — Nutronics Corporation —

October 19, 1987—OTC America is pleased to announce the addition of Nutronics Corporation to its portfolio of over-the-counter stocks.



The Alter-Break System.

especially for the Alter-Break system. When the sensor determines that load is high, the alternator is disabled, allowing the engine to run more efficiently and with more power to the drive train. As engine load decreases, the Alter-Break system allows the alternator to charge the battery and maintain system voltage. In the event that an engine is subjected to a high load for a long time, the voltage monitor within the Alter-Break system will override all control signals to allow the alternator to charge the battery in its normal mode of operation. Use of the product has a significant impact on increased fuel efficiency and reduced automotive emissions.

Nutronics Corporation (listed in the Pink Sheets) is an 11-year-old company which, after a management change in April 1987, began concentrating all of its resources on development, manufacturing and marketing of the Alter-Break, a patented automotive product to which worldwide manufacturing, distribution and patent rights were acquired in March 1987. This invention is unique, not an improvement over an existing product, and there is no known competition.

Unique Patented Product

This revolutionary new automotive device is an electronic state-of-the-art sensor controller designed to remove the alternator load factor from total engine load during any occasion that the engine is accelerating or otherwise performing work at levels above normal engine idle. Engine load is detected by a proprietary load sensor developed

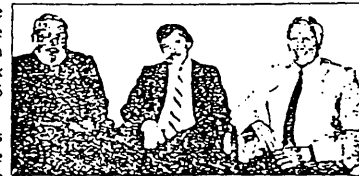
Contracts and Licensing

Nutronics Corporation began manufacture and delivery of production unit Alter-Break systems in September 1987. All of its production for the balance of 1987, 36,000 units, is committed to partial fulfillment of a domestic contract order aggregating 536,000 units through calendar 1988. Gross profit on this one contract of over \$6.5 million should be in excess of 33½ percent. The company has also signed option agreements to license distributors in Canada, Europe, Asia, South America and the South Pacific.

Trading Information

Prior to last spring's changes, the company had not shown a profit, and the stock was trading at less than a dime. After the announcement of the change in management and acquisition of the automotive product, the stock began actively trading again at \$0.50 to \$0.60. It has increased steadily for the past six months and, as of Oct. 7, 1987, is listed in the pink sheets at \$1.38 bid, \$1.75 asked.

Nutronics Corporation has purchased consulting and marketing services from OTC America with 8,000 shares of its common stock. These shares are restricted lettered stock and under certain circumstances may in the future be sold in compliance with Rule 144 adopted under the Securities Act of 1933.



Directors of Nutronics Corp. (l to r) Vernon Robbins (VP), Gary Kelsay (Pres).

OTC America, Inc. Now Owns 8,000 Shares of Nutronics Corporation
Nutronics Corp. 700 Weaver Park Drive, Suite A Longmont, CO 80501 (303) 678-5553

OTC America, Inc.

Terry Freeman — President

1780 S. Bellaire St., Suite 400, Denver, CO 80222, (303) 758-9131

OTC America, Inc. Trades Over-the-Counter Pink Sheet Listed

