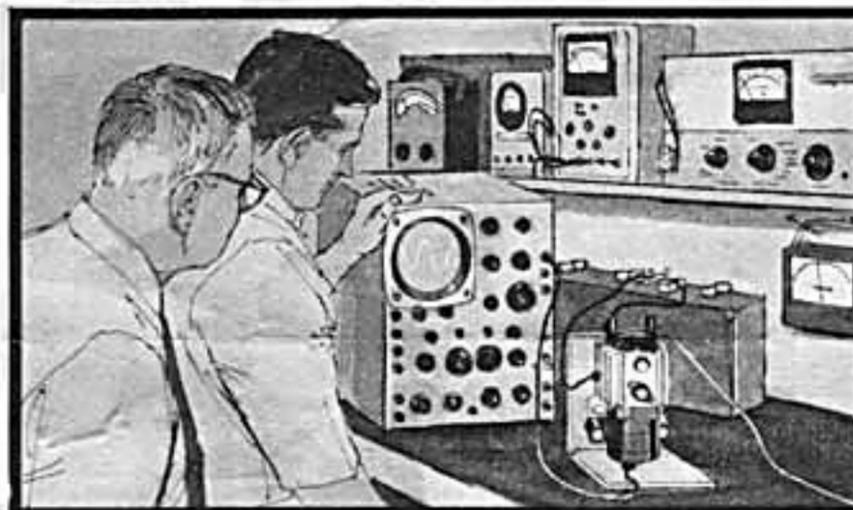


## Judson Magneto Sales Literature



The text from this sales brochure has been laid out in enlarged form below to make the content legible.



The Judson Electronic Magneto is sold on a satisfaction guaranteed basis by the world's largest and foremost supercharger manufacturer. It is the result of years of experience with high performance engines and modern electronics. The unit itself carries a three year warranty regardless of mileage or hours placed on the engine.

The Judson Electronic Magneto is not just another transistorized ignition system using a transistor to increase contact breaker point life. Here is a complete and integrated electronic ignition system that provides dependable and positive ignition on any engine under all conditions resulting in improved performance, 2 to 6 more miles per gallon of fuel, faster starting and a higher top speed. Contact breaker point and spark plug wear are practically eliminated. Replacing and re-adjusting spark plugs and points every few thousand miles becomes a thing of the past.

**It's like getting a permanent engine tune-up.**

The conventional ignition system as furnished on all standard engines was designed for the automobile of 1910. Fundamentally it is the same system that your father had on the first car he purchased. It was not designed for today's high speed, high compression engine and constant tune-ups and repairs are required in order to obtain maximum performance. It is almost impossible for the modern engine to develop its highest potential horsepower using a conventional ignition system and for this reason race cars have used magneto ignition for years. The conventional ignition system does not provide sufficient voltage and amperage at high speeds resulting in missing, a loss of power, carbon deposits, high fuel consumption and a rough running engine. Because it provides too much amperage across the points at idle and cranking speeds, the breaker points break down accounting for difficult starting and ignition failure. Four out of five road service calls are due to ignition failure according to America's leading automobile club.

**The present day ignition system is responsible for more complaints, service problems and actual breakdowns than any other section of the modern engine.**

Like the mechanical magneto, the ignition output of the Judson Electronic Magneto increases as the speed of the engine increases providing positive ignition at all speeds under any condition. Because the transistor is taking the load off of the points and providing better ignition at idle and starting speeds, the engine is easier to start even in sub-zero weather. Point and plug wear are practically eliminated. A mechanical magneto with its low output at cranking speeds does not have this feature. As the Judson Electronic Magneto has the same type of output (waveform) as a mechanical magneto, spark plug life is more than doubled.

The power or amperage (not voltage) produced at the spark plug by ordinary transistorized ignition systems decreases as the speed of the engine increases. The voltage output remains the same up to higher speeds where it also falls off. This is just contrary to the requirements of the engine. With the Judson Electronic Magneto both the voltage output and the amperage at the spark plug increases as the speed of the engine increases.

**Only the Judson electronic magneto produces fire-power at the plug to match the ignition requirements of the engine.**

Unlike ordinary transistorized ignition systems, the Judson Electronic Magneto uses a silicon transistor (fully protected by zener diodes) which will continue to function at 420 degrees F. The germanium transistor used in ordinary transistorized ignition systems will fail at 200 degrees F which is not an uncommon under-hood temperature in many parts of the country. The amperage draw on the battery of the Judson Electronic Magneto is half that of the ordinary transistorized ignition system resulting in longer battery life and a more efficient ignition system in general. The Judson Electronic Magneto provides a minimum of 30,000 volts with the fastest rise time (.5 microseconds) of any ignition system available. This extremely fast rise time gives the system more fire-power and the ability to fire the spark plug under any condition.

**The difference between the Judson electronic magneto and the system that you now have on your car is performance. It is immediately apparent and you can feel the difference.**

When installing an ordinary transistorized ignition system it is necessary to install and connect three different components (the coil, ballast and transistor plate). Installation requires removal of the original ballast which is difficult to locate on most vehicles, wiring the three components and running wire from the coil to the ignition switch. The Judson Electronic Magneto is one complete and integrated package. Installation consists simply of transferring the three wires from the present ignition coil to the Judson Electronic Magneto. It is not necessary to run wires to the ignition switch or is it necessary to remove the original ballast. You can install the Judson Electronic Magneto on your engine yourself, it is a twenty minute job and requires only a screwdriver and pliers. Everything is included, there is nothing else to buy. You can have tomorrow's ignition system on your engine today.