



"We Put The Quality In Conversions"

For Alternate Fuels

Installation Instructions

**INSTALLATION INSTRUCTIONS
UNIVERSAL DUAL CURVE
IGNITION™
PN 8795**

SECTION I

OVERVIEW

FEATURES:

Provides precise ignition timing advance Furnishes high-energy spark for complete combustion of gaseous fuels One unit supports conversions of a wide range of vehicle makes and engine types

OPERATION:

The Universal Dual Curve Ignition supports conversions to either LPG or CNG by providing the correct ignition timing advance along with an extremely high energy spark. Both LPG and CNG have very different burning times (octane ratings) from unleaded gasoline. Running either fuel with an ignition timing advance curve calibrated for gasoline results in engine power and fuel efficiency far below that which the fuel can provide. On dual-fuel vehicles, this means that operation on the alternate fuel results in poor mileage and performance when compared to gasoline operation. On dedicated conversions, some people simply advance the factory distributor by ~10° thinking that this will solve the problem. However, this results in excessively advanced timing under conditions such as light load cruising. This excessive advance not only reduces engine performance, but also causes greatly increased NOx emissions. The PN 8795 solves all of these problems by providing exact timing advance. The engine gives top performance and fuel mileage, while producing the lowest emissions.



NOTICE: Since the PN 8795 is microprocessor controlled you must make SURE that the vehicle is equipped with RESISTOR type spark plugs (usually indicated by an "R" in the part number) and RESISTIVE spark plug wiring if the unit is to operate properly.



NOTICE: Before installing the PN 8795 check the resistance across the vehicle's ignition coil. If it measures more than one ohm (> 1 Ω) the coil should be replaced with a low resistance coil such as the MSD™ Extra Duty™ PN 8206.

Parts Included In This Kit

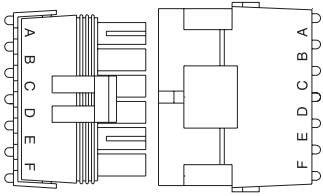
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|-----------------------------------|----------------------------|
| 1 - Universal Dual Curve Ignition | 1 - Female Spade Connector |
| 1 - Wiring Harness | 4 - Cable Ties |
| 4 - Heat-Shrink Caps | 1 - 0.250" Ring Lug |
| 1 - Male Spade Connector | |

SECTION II**WIRING THE UNIT**

To ensure proper and permanent electrical connections, all wire taps and splices must be soldered and sealed, using a rosin core solder.

**WARNING:**

Keep all wires away from hot or moving parts or spark plug wires.



Pin	Wire	Connection Location
A	Red	Keyed +12 V
B	Pink	Coil +
C	White	Points
D	Tan	Coil-
E	Black	Ground
F	Dark Blue	Fuel Selector Switch (+12V on alternate fuels)

STEP 1 - POWER TO THE UNIT

Take the Red wire coming from Pin A of the female plug in the wiring harness and attach it to keyed+ 12V.

STEP 2 - SWITCHED POWER TO THE UNIT

Take the Pink wire coming from Pin B of the female plug in the wiring harness and connect it to Coil+.

STEP 3 - PROVIDING RPM SIGNAL TO THE UNIT

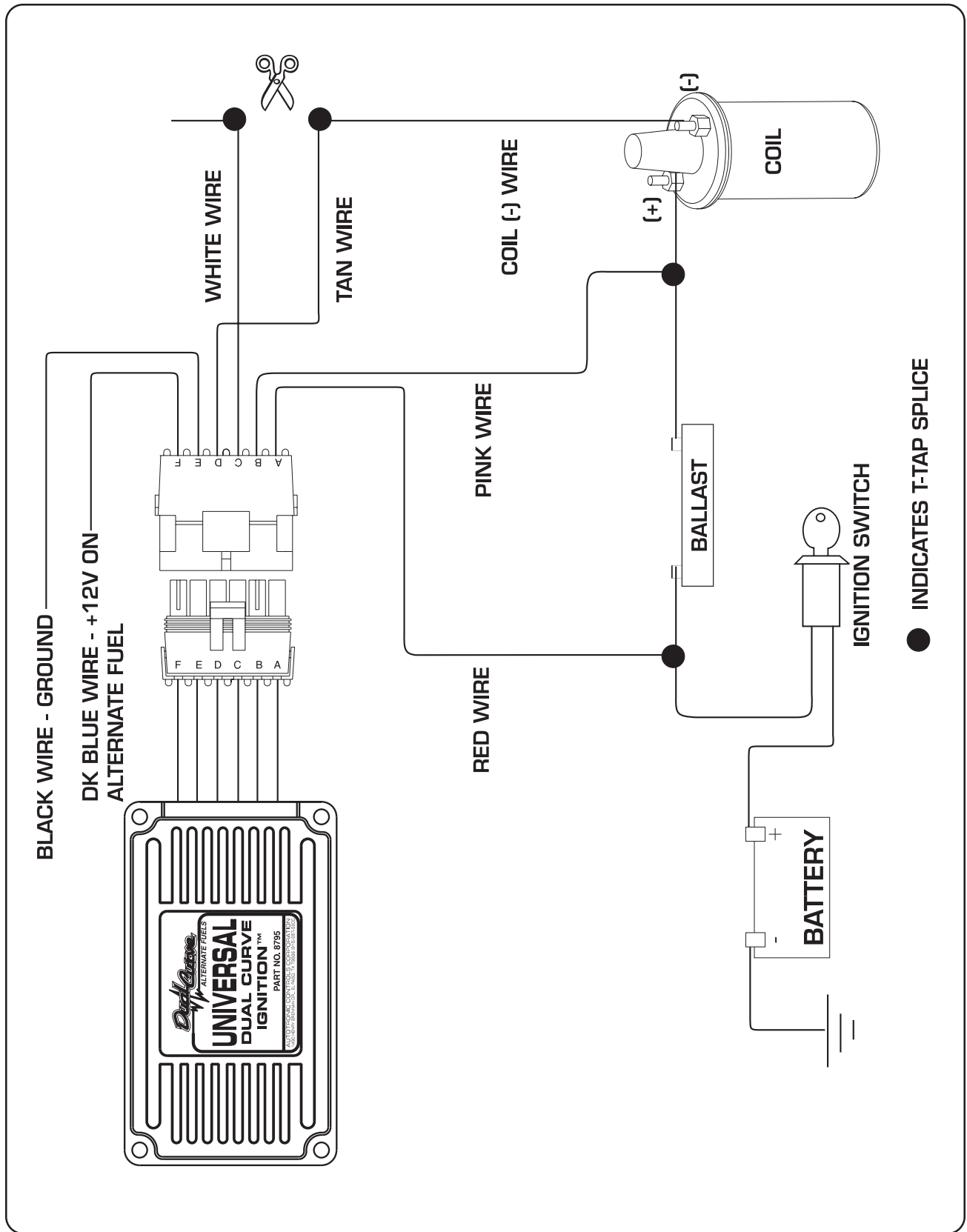
Take the Tan and White wires coming from Pins C and D of the female plug in the wiring harness. Locate the Coil- wire. Cut this wire and attach the Tan wire from the harness to the Coil side of the cut and the White wire from the harness to the side leading to the points.

STEP 4 - GROUNDING THE UNIT

Take the Black wire coming from Pin E of the female plug in the wiring harness and connect it to a good engine or chassis grounding point.

STEP 5 - POWERING THE UNIT FOR ALTERNATE FUEL OPERATION

Take the Dark Blue wire from Pin F of the female connector in the wiring harness and run it through the vehicle's firewall to the fuel selector switch. Connect it to the switch in such a way that it receives +12 Volts when the vehicle is in alternate fuel operation and -0- Volts in gasoline operation.



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Limited Warranty

Autotronic Controls Corporation warrants this product to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Autotronic Controls Corporation. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Autotronic Controls Corporation be liable for special or consequential damages.