



# INSTALLATION INSTRUCTIONS

## Universal Cam Sync Generator PN 8916 For MSD DIS Ignitions with a Cam Sync Input

### Parts Included:

1 – Cam Sync Generator, PN 8916

1 – Parts Bag

The Universal DIS Cam Sync Generator will produce a sync signal for the following MSD Ignition components; Programmable DIS-2, PN 6212, Multi-Channel Controllers, PN 6562 and PN 6563. It can also be used with the FDP line of Programmable Ignition Controls.

The Cam Sync Generator will produce a cam sync signal by detecting when the number one cylinder is under compression. This is done through its signal wire which is wrapped around the designated spark plug wire.

<b>WIRING</b>	
<b>RED</b>	On/Off wire. Connect into the DIS Ignition small Red wire.
<b>BLACK</b>	Ground. Connect to the ECM ground chassis.
<b>WHITE</b>	This wire has a Y-splice on it so it can easily be connected inline on the White wire of the DIS Ignition Control.
<b>2-PIN CONNECTOR LT. BLUE LT. GREEN</b>	Cam sync output to the MSD controller. Connects to the matching 2-pin connector and wiring.
<b>BROWN</b>	Signal sensing wire. Loop around the number one spark plug wire.
<b>LED</b>	
There is an LED on the side of the generator which signals three different conditions.	
<b>LED STATUS</b>	<b>CONDITION</b>
<b>ON</b>	Indicates that a cam sync signal has been acquired and the Generator is providing an output signal to the MSD Control.
<b>OFF</b>	If the LED is off while the engine is running, this means that the Generator acquired the cam sync signal but has lost it. Since it already sensed the signal, it will continue providing a sync signal output until the engine is turned Off.
<b>FLASHING</b>	The LED will flash when it receives a trigger signal from the ignition but does not sense a cam sync signal.

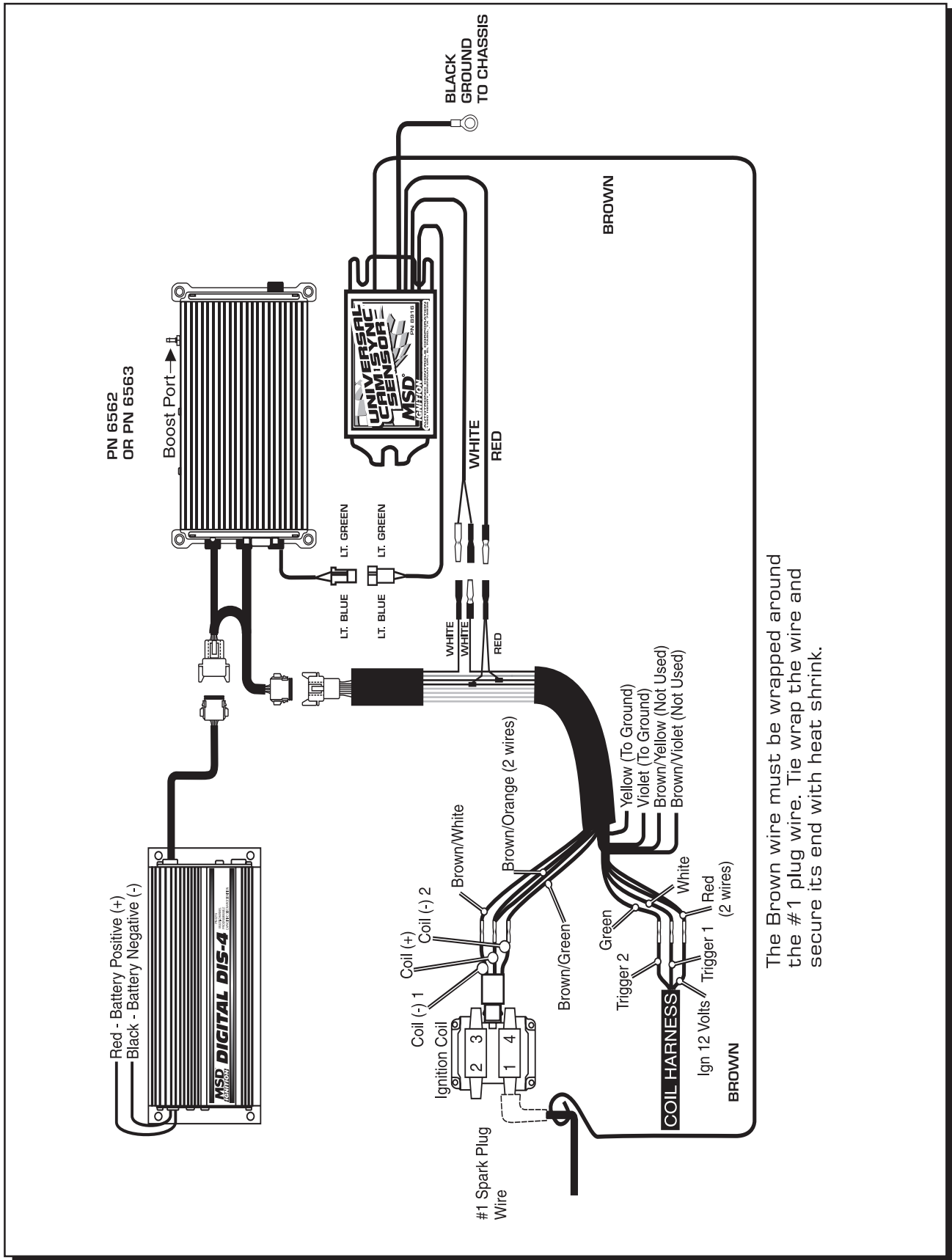


Figure 1 Wiring to an MSD DIS-4 and the Multi-Channel Controller.

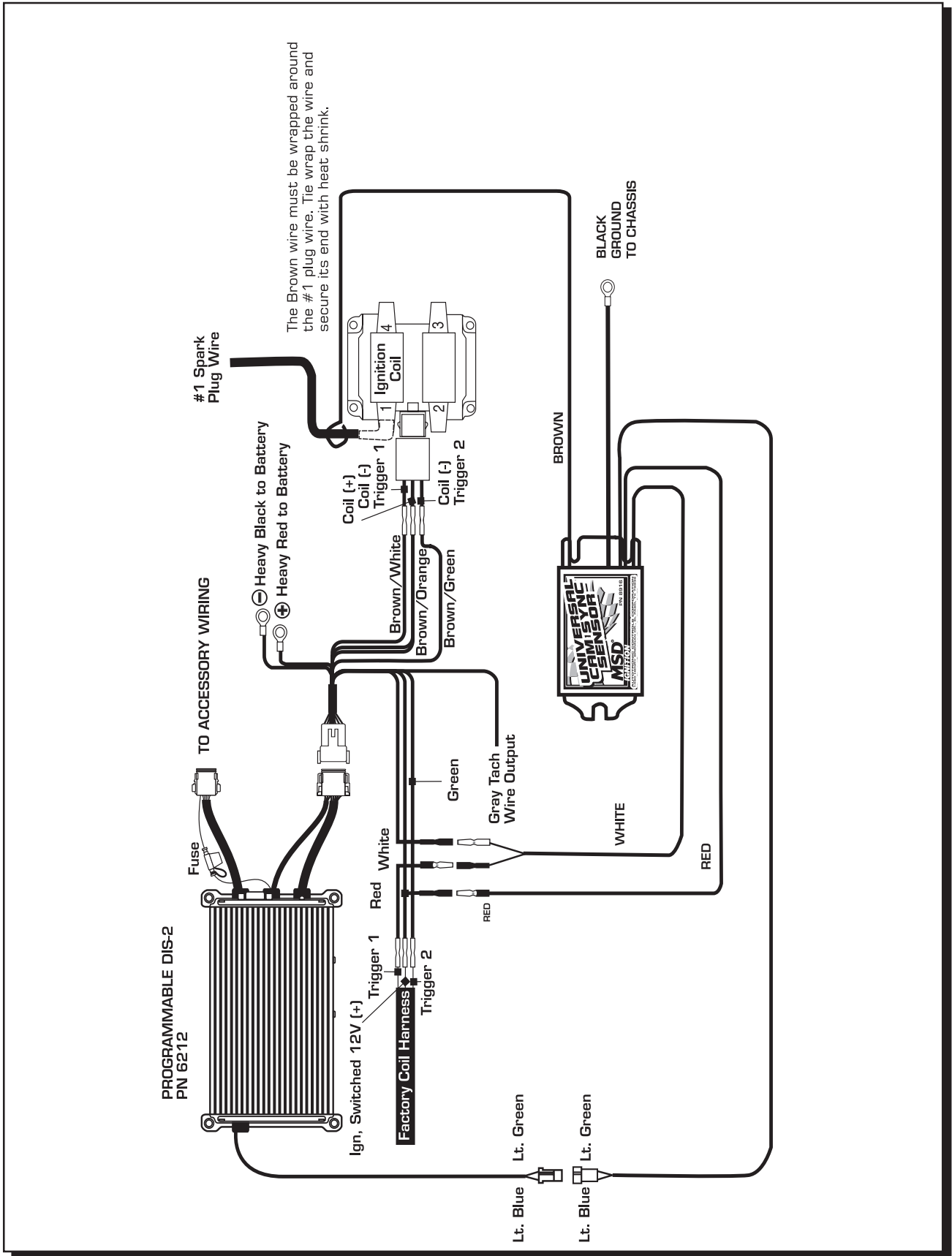


Figure 2 Wiring to an MSD Programmable DIS-2.



# INSTALLATION INSTRUCTIONS

## TECH NOTES

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### Service

In case of malfunction, this MSD component will be repaired free of charge according to the terms of the warranty. When returning MSD components for service, Proof of Purchase must be supplied for warranty verification. After the warranty period has expired, repair service is charged based on a minimum and maximum charge.

Send the unit prepaid with proof of purchase to the attention of: **Customer Service Department, Autotronic Controls Corporation, 12120 Esther Lama, Suite 114, El Paso, Texas 79936.**

When returning the unit for repair, leave all wires at the length in which you have them installed. Be sure to include a detailed account of any problems experienced, and what components and accessories are installed on the vehicle.

The repaired unit will be returned as soon as possible after receipt, COD for any charges. (Ground shipping is covered by warranty). All units are returned regular UPS unless otherwise noted. For more information, call the MSD Customer Service Line (915) 855-7123. MSD technicians are available from 8:00 a.m. to 5:00 p.m. Monday - Friday (Mountain Time).

### Limited Warranty

Autotronic Controls Corporation warrants MSD Ignition products 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.