

# MSD<sup>®</sup> IGNITION INSTALLATION INSTRUCTIONS

## MSD Pro-Billet Front Drive Distributor Chevrolet LS Engine, PN 8712

### Parts Included:

1 - Distributor Assembly	1 - 7/16" Washer	1 - Coil Wire Retainer
4 - Socket Cap Screws, 8mm	1 - Cam Adapter	
2 - Timing Belt	1 - Timing Belt Pulley	
1 - 12-Point 7/16"- 20 Bolt	1 - Wire Retainer	

**Note:** A Flying Magnet Crank Trigger Kit or the MSD LS-to-MSD Converter, PN 6301, is required with the front drive distributor.

**Note:** This unit is designed for Jesel<sup>®</sup> Belt Drive systems and modification is required to the engine block per Jesel<sup>®</sup> instructions.

**Note:** Two belts are supplied. Use the longer belt if more clearance is needed around the water pump and the shorter belt for clearance around the distributor.

### ASSEMBLY

Prior to installation, it is recommended to position the engine at your desired timing.

1. Install the distributor assembly using the four supplied socket head cap screws and washers (Figure 1).
2. Install the camshaft pulley with the supplied cam adapter, washer and 12-point bolt (Figure 2). Note that the threads are reversed. Coat the threads of the bolt with 30-weight motor oil or ARP moly lube. Torque it to 90 lb-ft with motor oil or 70 lb-ft with the ARP lube.

**Note:** Loop the selected belt over the timing belt pulley.

3. With number one cylinder at the desired timing, position the rotor so it is aligned with the terminal that will be number one in the firing order. This is recommended to get the rotor phasing close enough to run the engine. Rotor phasing should be checked and adjusted with the engine running.

4. With the rotor tip aligned, adjust the tension of the distributor drive belt. This is adjusted with the three bolts on the back of the housing (Figure 3). Squeeze the belt in the middle until there is about one inch between the belt with light pressure.

### ROTOR PHASING

Rotor phasing can be adjusted by loosening the band clamp and rotating the head assembly. It is recommended to modify a distributor cap by drilling a hole near the terminal so you can see exactly where the rotor tip is in relation to the cap terminal when the ignition fires. See the supplied Tech Bulletin concerning Rotor Phasing for more details.

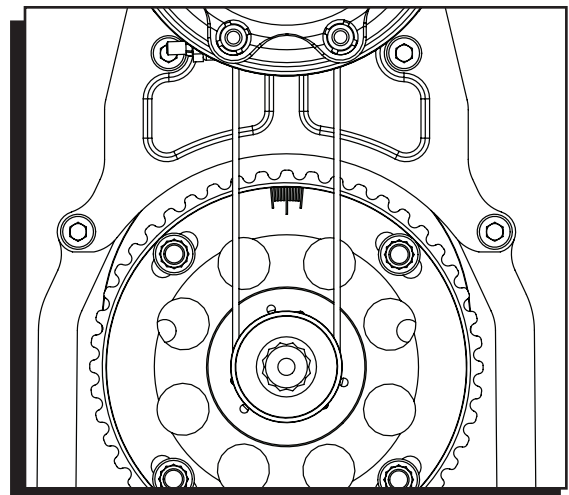


Figure 1 Installing the Distributor Bracket.

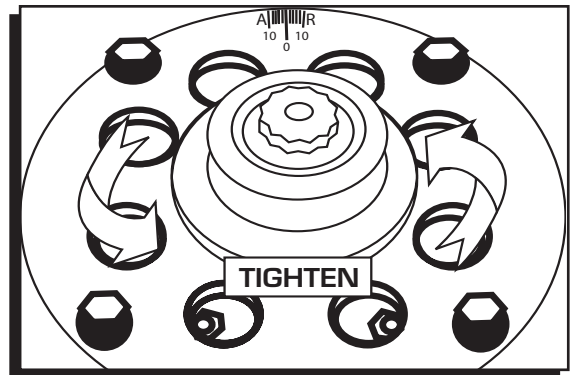
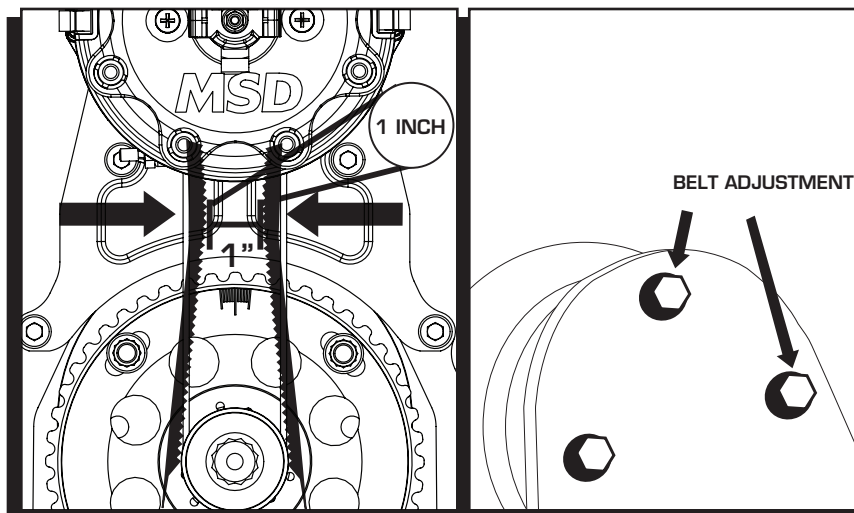


Figure 2 Installing the Timing Belt Pulley.



**Figure 3 Adjusting the Belt Tension.**

#### Replacement Parts

Cap	PN 8408
Rotor	PN 8423
Band Clamp	PN 8146
Pulley Kit	PN 8721

#### 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 warranty service, **Proof of Purchase** must be supplied for verification. After the warranty period has expired, repair service is based on a minimum and maximum fee.

**All returns must have a Return Material Authorization (RMA) number** issued to them before being returned. To obtain an RMA number please contact MSD Customer Service at 1 (888) MSD-7859 or visit our website at [www.msdisignition.com/rma](http://www.msdisignition.com/rma) to automatically obtain a number and shipping information.

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 using Ground shipping methods (ground shipping is covered by warranty). For more information, call MSD Ignition at (915) 855-7123. MSD technicians are available from 7:00 a.m. to 6:00 p.m. Monday - Friday (mountain time).

#### Limited Warranty

MSD IGNITION warrants this product to be free from defects in material and workmanship under its intended normal use\*, when properly installed and purchased from an authorized MSD dealer, for a period of one year from the date of the original purchase. This warranty is void for any products purchased through auction websites. If found to be defective as mentioned above, it will be repaired or replaced at the option of MSD Ignition. Any item that is covered under this warranty will be returned free of charge using Ground shipping methods.

This shall constitute the sole remedy of the purchaser and the sole liability of MSD Ignition. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representation whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD Ignition or its suppliers be liable for special or consequential damages.

\*Intended normal use means that this item is being used as was originally intended and for the original application as sold by MSD Ignition. Any modifications to this item or if it is used on an application other than what MSD Ignition markets the product, the warranty will be void. It is the sole responsibility of the customer to determine that this item will work for the application they are intending. MSD Ignition will accept no liability for custom applications.