



INSTALLATION INSTRUCTIONS

MSD Pro-Billet Front Drive Distributor Chevrolet Small Block, PN 8510 - Big Block, PN 8520

Parts Included:

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

Note: MSD currently offers two distributor plugs for Chevrolet engines; PN 8513 for cam driven oil pumps and PN 8512 for dry sump oil systems.

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. Loop the 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.

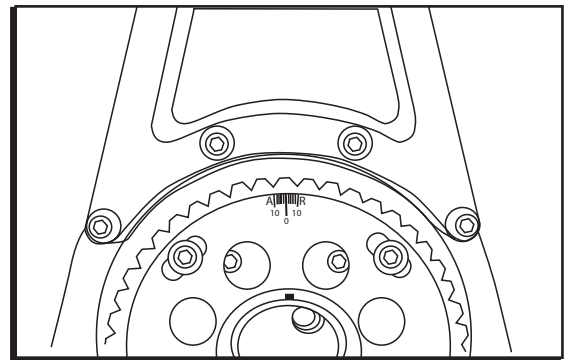


Figure 1 Installing the Distributor Bracket.

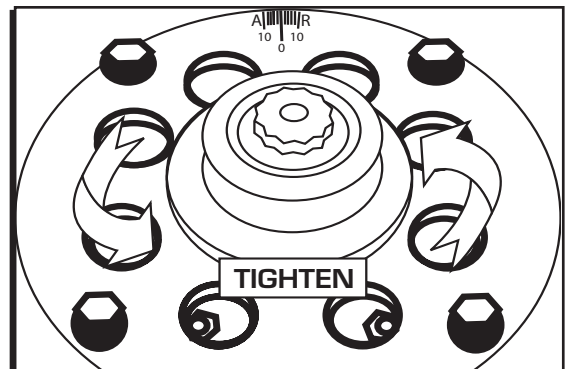


Figure 2 Installing the Timing Belt Pulley.

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.

MSD[®] IGNITION INSTALLATION INSTRUCTIONS

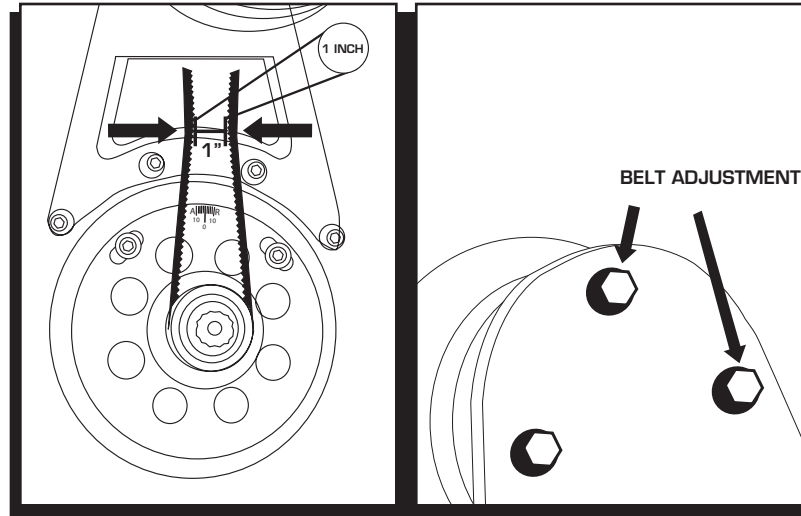


Figure 3 Adjusting the Belt Tension.

Replacement Parts

Cap	PN 8408
Rotor	PN 8423
Band Clamp	PN 8146

Replacement Belts

Belt	PN 8722
-0.119 Center Distance	PN 8724
Pulley Kit	PN 8721