

# MSD INSTALLATION INSTRUCTIONS

## Pro Cap for MSD Pro-Billet Distributors PN 7445

**ONLINE PRODUCT REGISTRATION:** Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for! Go to [www.msperformance.com/registration](http://www.msperformance.com/registration).

### Parts Supplied

1 – Pro Cap, PN 7408	1 – Wire Retainer, PN 7409	2 – Plastic Hex Head Rotor Screws
1 – Adapter Base, PN 7446	6 – Belleville Washers	4 – 10-32 x 1.25 Pan Phillips Screws
1 – Rotor, PN 7424	1 – Tech Brief, Rotor Phasing	2 – O-Rings
1 – Rounded Rotor Tip	4 – 10-32 x .625 Truss Head Phillips screws	
4 – Self Tapping Screws		

**Note:** If you are using an MSD 8 or MSD 10 Series Ignition, contact MSD for a custom rotor tip at (915) 855-7123.

### INSTALLATION

This Cap is designed to be used on most MSD Pro-Billet Distributors.

**Note:** The Pro-Cap is supplied with two sets of rotor screws; two over-molded plastic hex screws and two Phillips head screws. Some MSD distributors will not accept the plastic hex screws due to the position of the magnetic pickup. Before installing the Cap Spacer, install the rotor and check for clearance over the magnetic pickup as shown in Figure 1.

1. If the distributor is in the engine, mark the location of the spark plug wires and remove them. Crank or turn over the engine until the existing rotor tip comes to rest where it is aligned directly with one of the spark plug terminal posts of the cap.
2. Install the Adapter Base using the four supplied Truss head Phillips screws and flat washers. Note that the Cap Spacer is slotted (Figure 2). This provides you with an adjustment for rotor phasing. For additional information on rotor phasing see the supplied Tech Brief.
3. Install the new rotor using the correct rotor screws for your application as outlined in the Note at the beginning of this procedure. When using the over molded hex head bolts, install the supplied O-rings and belleville washers (dome side up) as shown in Figure 3, and torque to 30-32 in-lbs. If you are using the Phillips screws, use only the belleville washers.

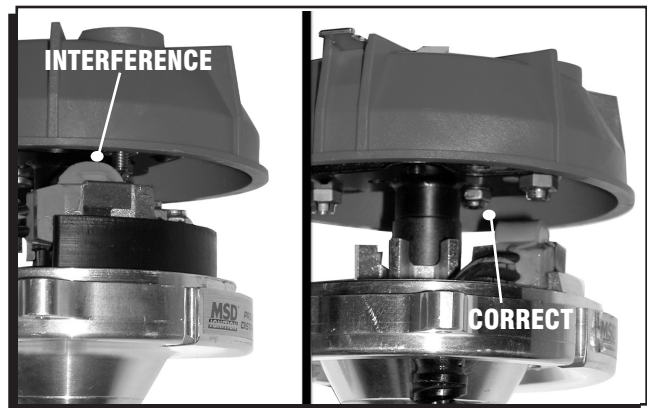


Figure 1 Checking Rotor Screw Clearance.

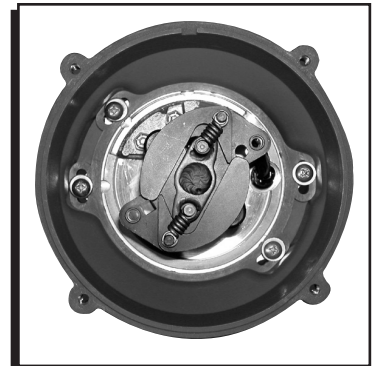


Figure 2 Installing the Adapter Base.

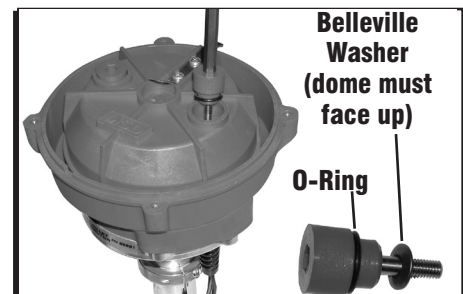


Figure 3 Installing the Rotor

- Put the Cap in place and ensure correct alignment of the rotor tip and the spark plug terminal (Figure 4). If they do not line up correctly, remove the rotor and adjust the position of the Cap Spacer with its slotted mounting holes.

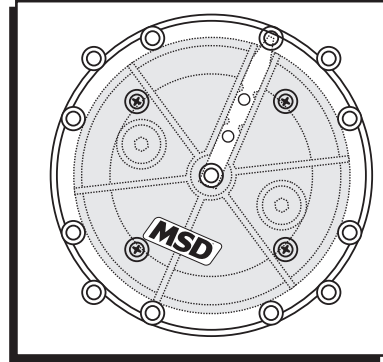


Figure 4 Rotor Tip Alignment.

- After confirming correct rotor alignment, install the Cap with the four Pan Phillips screws and Belleville washers. Install the spark plug wires from the original cap one at a time to ensure the correct firing order.
- Install the Wire Retainer over the wires and use the supplied four self tapping screws to secure it (Figure 5). Depending on the style spark plug boots being used, the Retainer may not sit all the way flush on the posts of the cap.

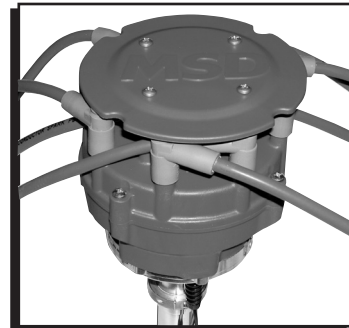


Figure 5 Installing the Wire

### 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.msdpower.com/rma](http://www.msdpower.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 at (915) 855-7123. MSD technicians are available from 7:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

### Limited Warranty

MSD 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. 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. 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 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. Any modifications to this item or if it is used on an application other than what MSD 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 will accept no liability for custom applications.