



1710 NW Independence HWY
Albany, OR 97321
541-990-2485

Crank Trigger Pickup

Position pickup tip .040" to .050" from the trigger wheel diameter where flying magnets are present. Keep sensor tip centered and perpendicular to the trigger wheel for best results. Slow cranking engines may require a smaller gap.

A 3/8" split clamp type mounting bracket is required. Over tightening is not necessary.

Attach the black ground lead to engine or chassis ground in order to shield the pickup from noise and interference. Connector contacts are gold plated and require NO connector grease.

Pickup should show approximately 40 ohms resistance across the pins of the connector and both pins should be "open" to ground and to the metal pickup tube.

Due to differing electrical characteristics, you may experience movement of up to 3-4 degrees of timing when changing between brands of pickup. Always check ignition timing after installing a new pickup.

Extension jumper cables are available (2' and 3') for longer sensor runs.

Cross-over harnesses are available for employing a switch to allow changing from the mag pickup to the crank trigger pickup while the motor is running to function as a start retard, etc.

NOTE: When using a crank trigger pickup with an MSD mag, the pickup **MUST** be phased correctly with the mag and coincide with the pulses that the magneto makes. If not, no spark or very weak spark may result.

The quickest, simplest way to do this is to get the motor running and properly timed using the magneto's internal pickup **FIRST**. Once this is accomplished, turn the motor off and manually rotate the engine until it is sitting static at the cylinder #1 firing position. The crankshaft degree ring should indicate the timing setting. **Example:** You used a timing light when running off the mag pickup and set the ignition timing to 32 degrees. With the motor off, rotate and position the motor so that the mag rotor is pointing at #1 terminal in the cap and the crank degree ring indicates 32 degrees BTDC.

Now, position the crank trigger pickup so that it is centered with one of the magnets on the crank hub. Connect the crank trigger pickup to your ignition, start the engine and check the timing with a light. Adjust the pickup bracket to the desired timing setting. Always keep the pickup within 5 degrees of the magneto's timing setting for best spark output.

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