

MSD IGNITION™ INSTALLATION INSTRUCTIONS

MSD Flying Magnet Kit PN 8613, 8614

Parts Included with PN 8613:	1 - Magnet,	1 - Aluminum Rivet
Parts Included with PN 8614:	4 - Magnets,	4 - Aluminum Rivet

This Magnet Kit is supplied with the parts necessary to fabricate your own crank trigger wheel or to repair an MSD Flying Magnet Crank Trigger Wheel. All magnets are graded according to the strength of the output signal they produce. The four magnets supplied with the PN 8614 Kit, are a matched set and must be used together. Also, any trigger wheel from MSD has a matched set of magnets so if a wheel is being repaired all four magnets **must** be replaced to keep the trigger signals accurate. Failure to install a matched set of magnets will cause ignition timing variances.

If a custom trigger wheel is being fabricated, it must be 3/8" thick for the MSD magnet to properly fit. The wheel can be any type of non-magnetic material (aluminum, non-magnetic stainless, etc...) and can be any diameter over 4". MSD also offers complete Crank Trigger kits for V8 applications that may easily be modified for certain applications.

Each magnet must be oriented in one position to produce the correct trigger signal for the non-magnetic pickup. If the magnet is not in the correct position the trigger signal will be affected. The hole in the center of the magnet must face out. This is shown in Figure 1.

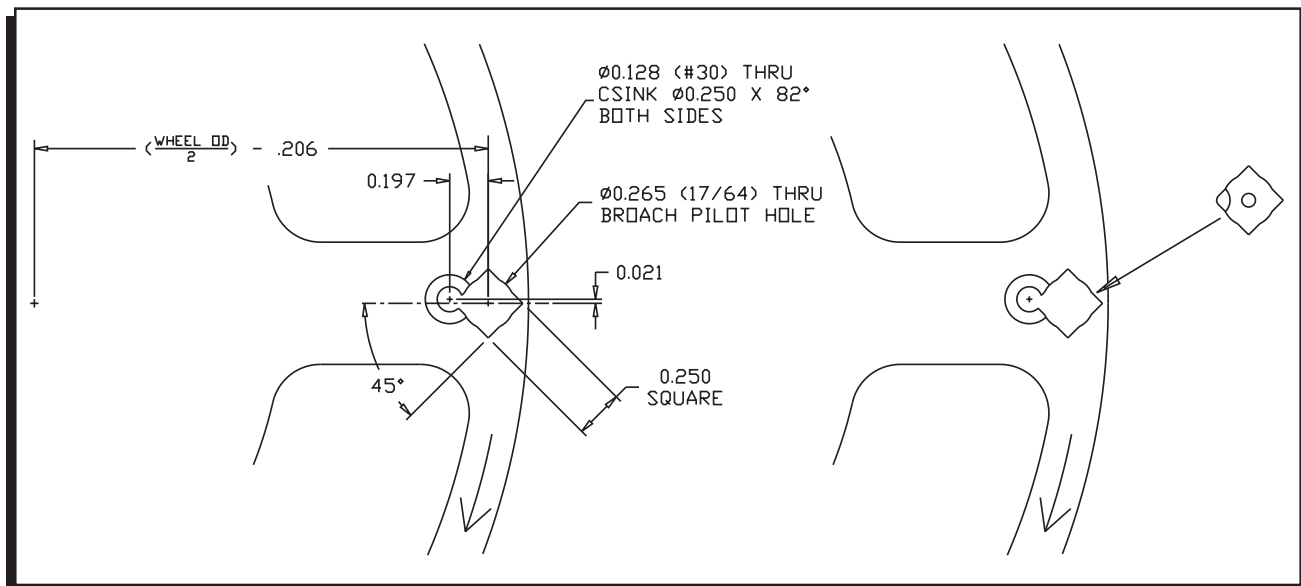


Figure 1 Mounting the Magnet in the Trigger Wheel.

1. Place the magnet in the wheel with the hole in the plastic overmolding facing the front of the motor. The chamfer in the magnet must be positioned next to the hole for the aluminum rivet.
2. Insert the aluminum rivet. The rivet must be set using a press or a vice with a set of smooth, parallel jaws (such as the vice on a milling machine).

Note: Always recheck the timing after replacing the magnets.