

MSD INSTALLATION INSTRUCTIONS

Flying Magnet Crank Trigger Kit Chevrolet Small Block Engines PN 8610/86103 7" Wheel, PN 8615/86153 8" Wheel

Important: Read the instructions before attempting the installation

Parts Included

1 - Trigger Wheel	2 - Bolts, 3/8" - 16 x 1.5"
1 - Pickup Mount	2 - Bolts, 5/16"- 24 x 1.25"
1 - Centering Ring	3 - Bolts, 3/8" - 24 x 1"
1 - Non Magnetic Pickup Assembly, PN 8276	2 - 5/16" Washers
1 - Mount Retainer	4 - Spacers
1 - Locknut	Tech Bulletin #104

Note: On some vehicles the MSD Crank Trigger Kit may require slight modifications to accommodate special engine plates, pulley systems, etc.

INSTALLING THE PICKUP AND BRACKET

1. Install the pickup mount onto the bracket using the two fine thread bolts (Figure 1). The mount retainer will only install one way, do not try to force the bolts in. Hand tighten the bolts.
2. Install the bracket onto the engine. The bracket is designed to be used on either side of the balancer. Be sure to use the correct length bolts and spacers in the proper locations.
3. Install the pickup and locknut into the holder. Do not tighten the locknut at this time.

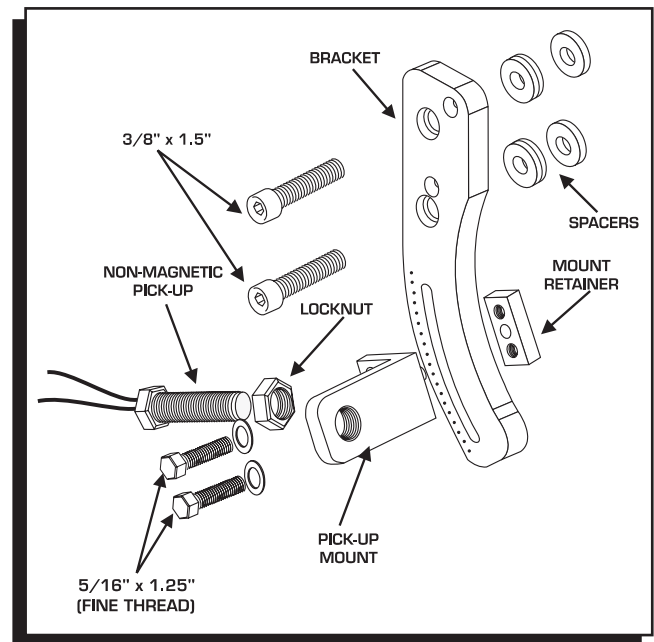


Figure 1 Pickup Bracket Assembly.

INSTALLING THE TRIGGER WHEEL

The trigger wheel is designed so it can be used on engines with a dry sump oiling system as well as stock dampers. Two centering rings are included; one for use on stock or most aftermarket dampers and one for use with a dry sump pump drive mandrel (Figure 2).

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Note: A centering ring must be used in all applications. Do not rely on the bolts to center the trigger wheel accurately.

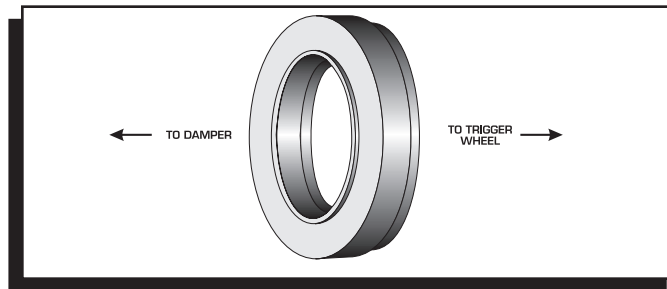


Figure 2 Centering Ring Installation.

1. Position the number one cylinder under compression at the desired total timing.
2. Install the trigger wheel centering ring onto the trigger wheel (Figure 2).
3. Position the trigger wheel onto the harmonic balancer and centering ring so one of the four magnets lines up with the center of the non-magnetic pickup. Make sure the wheel is mounted so it rotates in the direction of the arrow on the wheel. If necessary, slide the pickup in its mount until it properly lines up with the trigger wheel magnet.
4. Check and make sure the wheel is positioned correctly with the pickup and torque the trigger wheel bolts to 25 - 30 lb-ft. The pickup should be centered to the center line of the trigger wheel (Figure 3). If not, it may be necessary to add or delete shims to the pickup bracket to achieve the proper position.

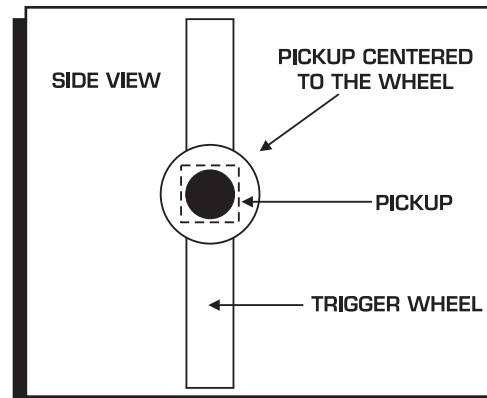


Figure 3 Pickup Centered on the Trigger Wheel.