

MSD IGNITION INSTALLATION INSTRUCTIONS

APS Alternator Mounting Kit PN 5166 and PN 5168

FACTORY POWER CABLE BYPASS FOR FORDS WITH 1G AND 2G SYSTEMS

WIRING BYPASS

The factory plug in power harness connectors and fusible link harness must be upgraded to handle the power capability of the new alternator.

Note: Install a new cable from the battery (+) terminal to the APS alternator.

Note: Verify the original power plug, wiring and fusible link are completely bypassed. Use the complete bypass wire length to determine the appropriate wire gauge.

CABLE SIZE RECOMMENDATIONS						
OUTPUT	GAUGE WIRE					LENGTH
	UP to 3'	3'-7'	7'-10'	10'-13'	13'-20'	
105	8	8	6	4	4	GAUGE WIRE
130	6	6	4	2	2	
160	4	4	2	2	0	

IMPORTANT: Review these instructions before attempting the alternator installation.

BRACKET INSTALLATION

The APS Alternator uses a universal mounting system that requires a Bracket Kit for your application. You will either need to use the original alternator to install the brackets in the correct location, or position the alternator near its mounts and install the brackets.

1. Start with the lower bracket or the one that serves as the primary mount. Once this location has been identified on the alternator housing, insert the threaded Slide-Loc tabs into the appropriate slots on the Alternator (Figure 1).
2. With the threaded tabs in position, install the bracket and snug the supplied screws (Figure 2). Do not tighten them at this point.
3. With one mount installed, the Alternator can be positioned on the engine to determine the location of the second bracket assembly.
4. Once determined, install the Slide-Loc threaded tabs and install the bracket.
5. Test the alternator's fit to the mounts as well as the belt alignment. The Slide-Loc mounts allow for easy adjustment to obtain correct belt alignment. If alignment is necessary, loosen the brackets and position the alternator housing into the correct position.
6. Install the belt to the pulleys or drive accessories. Once everything is aligned and positioned properly, tighten the Slide-Loc brackets in place.
7. Install the cover ring to the Alternator. It simply snaps together (Figure 3).

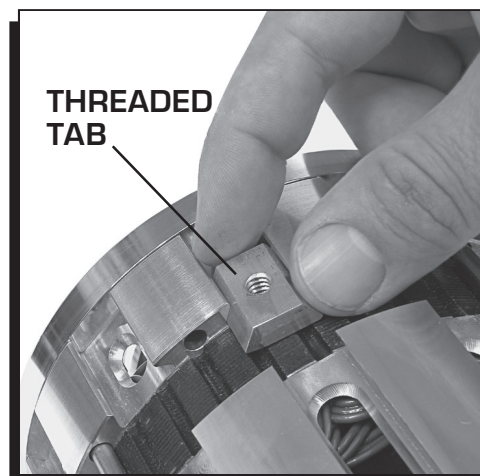


Figure 1 Installing the Slide-Loc Tabs.

MSD **IGNITION** **INSTALLATION INSTRUCTIONS**

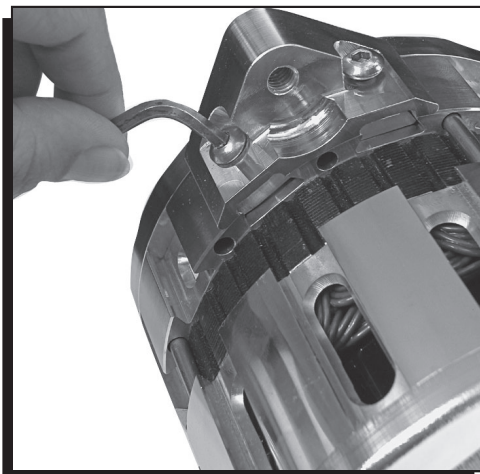


Figure 2 Installing the Brackets.



Figure 3 Installing the Cover Ring.

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 service, Proof of Purchase must be supplied for warranty verification. After the warranty period has expired, repair service is charged based on a minimum and maximum charge.

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 (915) 855-7123 or fax a request to (915) 857-3344. Send the unit prepaid with proof of purchase to the attention of: **MSD Ignition, Customer Service - RMA #, 12120 Esther Lama, Dock 5, El Paso, Texas 79936.**

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 after receipt, COD for any charges. (Ground shipping is covered by warranty). All units are returned regular UPS unless otherwise noted. For more information, call the MSD Customer Service Line (915) 855-7123. MSD technicians are available from 7:00 a.m. to 6:00 p.m. Monday - Friday (mountain time).

Limited Warranty

MSD IGNITION warrants MSD Ignition products to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of MSD Ignition. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD Ignition be liable for special or consequential damages.