

## MSD 6BTM PN 6462

### Additional Parts Supplied:

1 – 2-Pin Weathertight Connector  
1 – Control Dial

1 – 3/8" Rubber Bushing  
4 – Self Tapping Screws

**Note:** A length of 1/8" tubing is required.

This is an addendum to the supplied instructions that detail the function and wiring of the MSD 6BTM Ignition Control and other 6 Series Ignitions. Review those instructions first for information and wiring for your application.

## INSTALLATION

1. Mount the Boost Control Dial where it can easily be reached by the driver. (Before mounting the unit, ensure that the Boost Control Wiring harness reaches your desired location). Use the adhesive on the back or the four mounting screws (use a 3/16" bit).
2. If an access hole to the engine compartment is not available, use a 3/8" bit to locate a new one. A 3/8" rubber bushing is supplied to route the wires through.
3. Route the wires to the MSD Ignition making sure they are secured away from heat sources and moving parts. Install the supplied 2-pin Weathertight Connector to the two wires. This connection is not polarity sensitive so it does not matter which way the terminals are positioned.
4. Connect the 1/8" tubing to the spigot of the MSD and route it to a port on the intake manifold. Use care when routing this line not to kink it and secure it away from heat sources and moving parts.

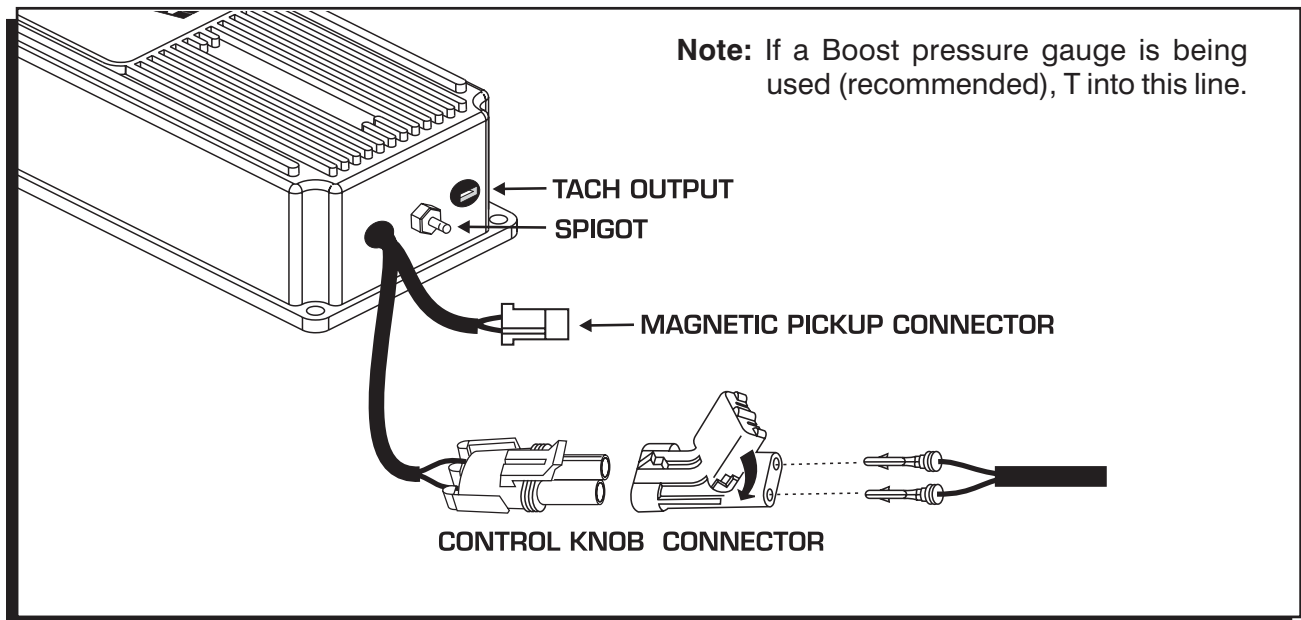


Figure 1 Connecting the Boost Lines and Connector.

## **OPERATION**

The 6BTM provides a variable timing retard in relation to the amount of boost occurring. The amount of retard that occurs is controlled with the dash mounted control knob and ranges from 0° -3° per pound of boost. The chart in Figure 2 shows the relation of boost and retard.

As an example, if you have the control knob set at 2° and run a maximum of 6-pounds of boost, the total retard at max boost is 12° (2 x 6 = 12°).

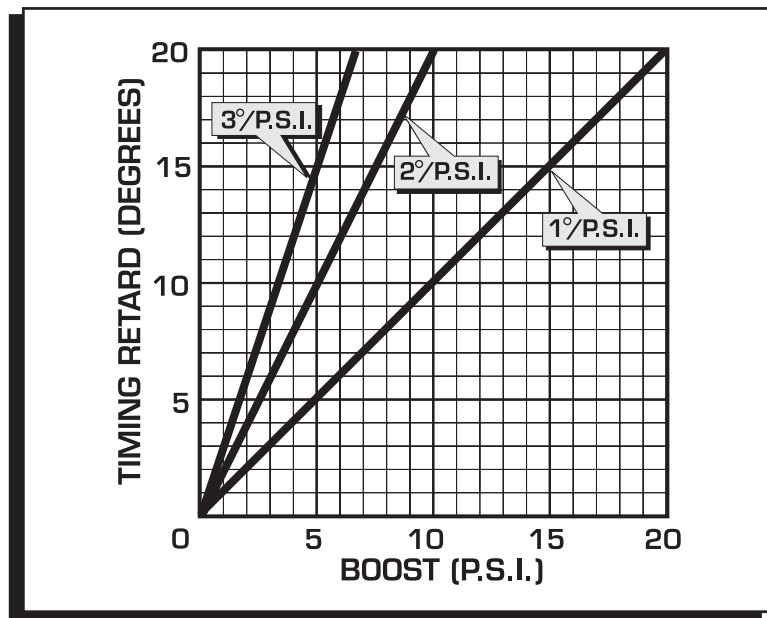


Figure 2 Retard in Relation to Boost Chart.

### **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.

Send the unit prepaid with proof of purchase to the attention of: **Customer Service Department, Autotronic Controls Corporation, 12120 Esther Lama, Suite 114, 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 8:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

### **Limited Warranty**

Autotronic Controls Corporation 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 Autotronic Controls Corporation. 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 Autotronic Controls Corporation be liable for special or consequential damages.