



## MSD Coil Pack For R50 and R53

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Thank you for purchasing this ALTA product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email [Tech@ALTAperformance.com](mailto:Tech@ALTAperformance.com)

Instant Chat off the main page of [www.ALTAperformance.com](http://www.ALTAperformance.com)

Or simply call our tech team at 503-693-1702

### **SPECIAL NOTES:**

- Use of the factory service manual can be very helpful during the installation. Another great place to find pics of engine parts is RealOEM.com
- Take great care in NOT over tightening bolts into valve cover. Over tightening WILL result in failure of plastic valve cover which is NOT covered under warranty.
- Do not follow the MSD instructions as these are not adequate for proper installation. We have special instructions and hardware included to help aid in proper installation.

### **Parts Included with R53 MSD Coil Pack:**

- (1) MSD Coil pack for R53
- (4) M6x60mm Flanged Hex Bolt
- (4) M6 SS washer with rubber grommet

### **Installation of Coil Pack**

1. Locate OEM coil pack on top of valve cover toward back of engine.
2. Remove electrical plug from coil pack. Note: slide small red tab to one side, then push down on release to remove plug.
3. Remove spark plug wires from coil pack. Note: keep track of where wires came off of OEM coil pack as MSD coil pack do not have the cylinders marked. You can always use the OEM coil pack as reference where plug wires went as the OEM coil pack has the cylinders marked.
4. Remove 4 bolts (10mm head) from coil pack. These bolts have thread locker applied on them, which makes them tight to remove. Note: keep track of rubber bumpers/washers below coil pack, as these will be reused with MSD coil pack.
5. Remove OEM coil pack and install MSD coil pack in same orientation as OEM one was installed.
6. Install supplied bolts/rubber washers through coil pack making sure to install with rubber washers facing away from head of bolt. Install OEM rubber bumper/washers between coil pack and valve cover. Note: failure to install these and over tightening coil pack WILL result in valve cover failure.
7. Tighten bolts into valve cover until bolts stop. Because bolts are tight to thread into valve cover, a torque spec is not supplied. Simply tighten bolts by hand (with nut driver) until bolt stops. This where bolt bottoms out in valve cover. **Further tightening from here will result in valve cover failure. If installed properly, coil pack will be able to move slightly on valve cover.**
8. Install plug wires same way as removed from OEM coil pack. Remember to use OEM coil (with cylinders marked on top of coil pack) to help with installing plug wires on MSD coil pack. For reference, Cylinder #1 is on right side of engine (side with serpentine belt) and #4 is on left side of engine (side with air box).
9. Plug electrical plug into coil pack. Make sure to slide red tab back after completely plugged in.
10. Start car and check that car idles normally. If car idles normal take car for test drive. If car idles erratically, check that all spark plug wires are plugged into the proper pin on coil pack.

Questions, Comments and Suggestions Contact: [Tech@ALTAperformance.com](mailto:Tech@ALTAperformance.com)  
Visit Our Website for Instant Chat Options at <http://www.ALTAperformance.com>  
Call Our Tech Team at 503-693-1702