

Nexsys Motorsport B58 Ignition Coil Conversion kit installation for N/S55 engines.

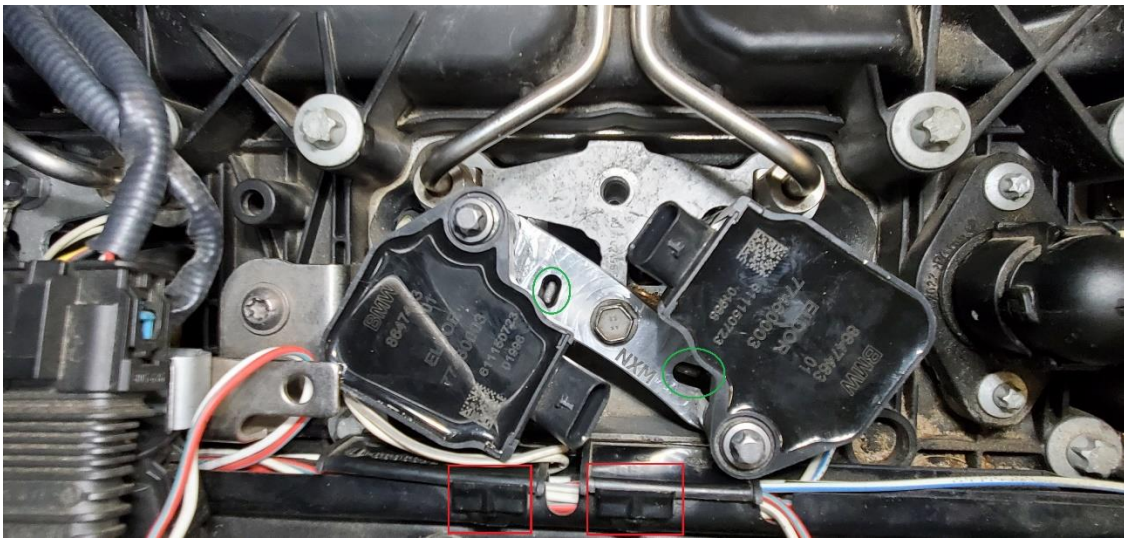
- 1) Disconnect battery
- 2) Follow service manual instructions for removing the following
 - Engine cover
 - Intake filter box
 - Turbo inlet pipe (only the portion that crosses over the valve cover)
 - Cowl (not required but makes it easier to install the rear ignition coils)
 - Stock ignition coils
 - Ignition coil ground bolt
- 3) At this point it should look like this with the fuel injector hold down bracket still in place but unbolted.



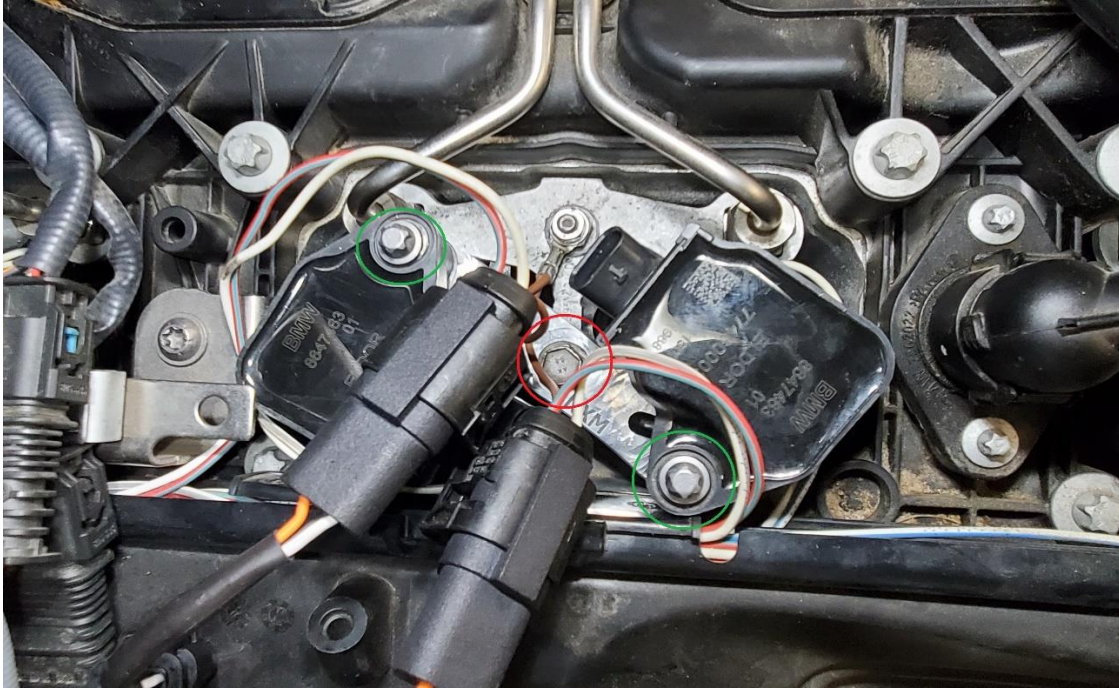
- 4) Prepare the NXM B58 Coil bracket by **loosely** attaching two B58 ignition coils. **It is important that you do not tighten the coils down to the bracket at this time as they need to be able to move for proper alignment.**



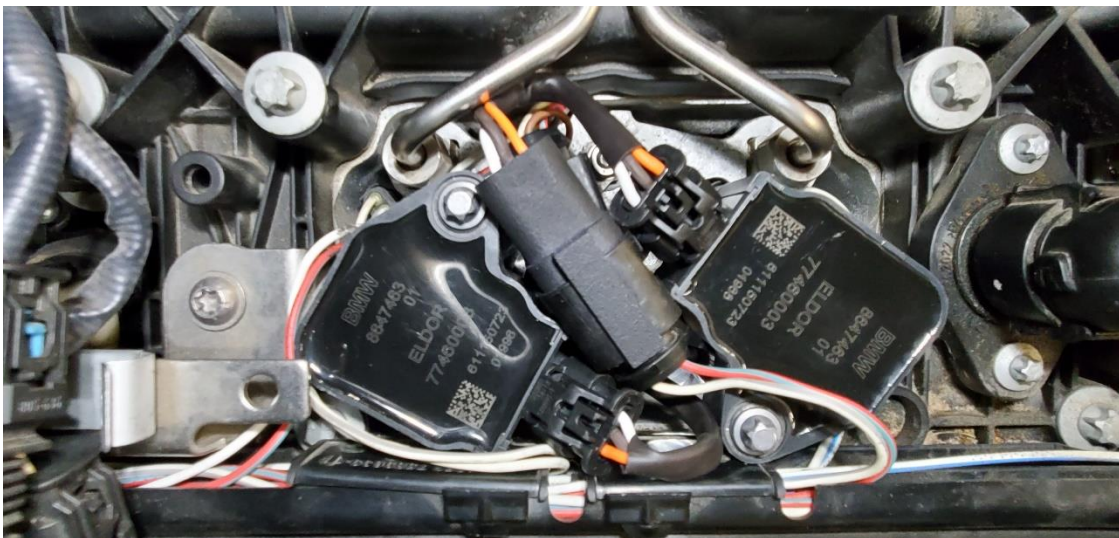
- 5) Apply a small amount of dielectric grease to the inside wall of the ignition coil boots and install the coil/bracket assembly hand tight. Ensure that the bracket is positioned correctly by casting nubs protruding inside the green cavities in the below image. If additional reach is needed for harness placement the black plastic retainer can be opened via the two tabs shown at the bottom in red.



- 6) Attach the NXM Plug and Play adapters to the factory harness and reinstall the ignition coil ground bolt with the wires going towards the exhaust side of the engine. Tighten to 13 nm with a torque wrench. Attach the NXM Plug and Play adapters to the B58 ignition coils. Tighten the fuel injector hold down bolt (red below) to 13 nm. Tighten the ignition coil bolts (green below) to 8 nm.

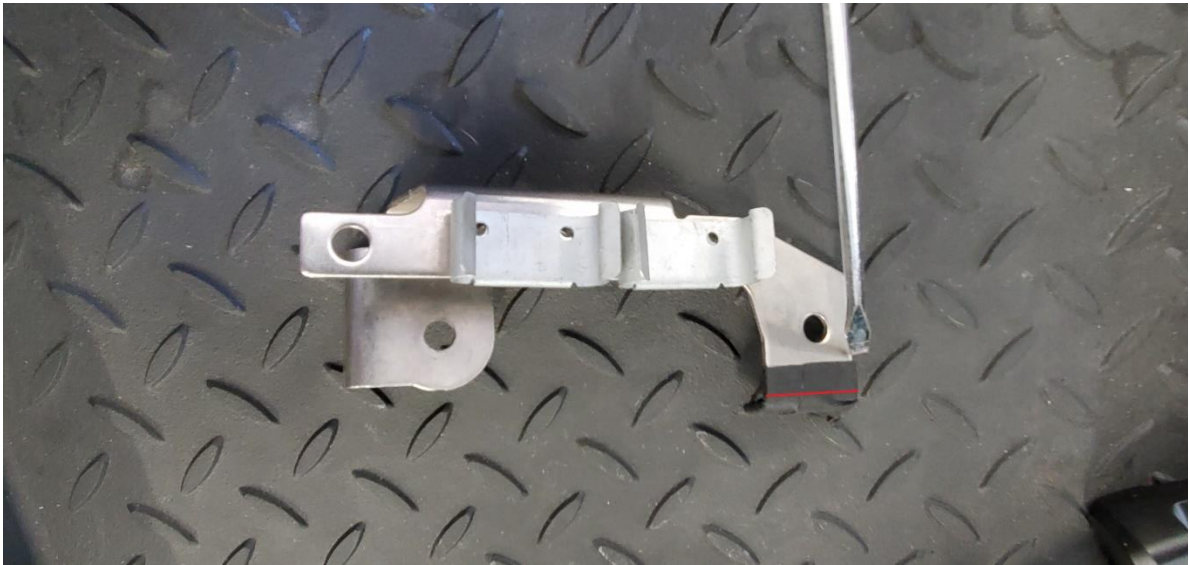


- 7) Position the two connectors in-between the two coils. **NOTE: When bending the plug and play adapter harness to fit make sure to make the bend in the center of the harness and not close the connector ends. Making the bend close to the connector reduces strain relief and could result in damage.**



- 8) On some vehicles the oxygen sensor connector bracket will need to be slightly modified to clear the larger B58 ignition coils. Carefully cut off the tab protruding downwards at the red line

shown below



- 9) Once the tab has been cut off the bracket should look like this and will clear the B58 ignition coils.



- 10) Follow service manual instructions for reinstalling
- Engine cover
 - Intake filter box
 - Turbo inlet pipe (only the portion that crosses over the valve cover)
 - Cowl
- 11) Flashing is not required to use the B58 coils however it is recommended to get the most out of your ignition coil upgrade.