BMW Coolant Pressure Sensor Adapter (CPA) Install Guide
Last updated 8/26/2025

THIS PART IS LEGAL FOR USE ONLY IN COMPETITION RACING VEHICLES AS DEFINED UNDER CALIFORNIA LAW AND IS NOT LEGAL FOR USE IN ANY OTHER MOTOR VEHICLE. California law defines a "racing vehicle" as "a competition vehicle not used on public highways." (Calif. Health & Safety Code 39048) This part may only be used on competition racing vehicles operated exclusively on a closed course in conjunction with a sanctioned racing event. Competition-only motor vehicles may not be driven to a racing event on a public highway and must be transported on a trailer or other carrier. USE OF THIS PART IN ANY OTHER VEHICLE MAY SUBJECT YOU TO FINES AND PENALTIES FOR VIOLATION OF FEDERAL AND/OR STATE LAW, WILL VOID YOUR WARRANTY FROM BURGER MOTORSPORTS, INC, AND CAN VOID YOUR VEHICLE'S WARRANTY. It is your responsibility to comply with all applicable federal and state laws relating to the use of this part, and Burger Motorsports, INC hereby disclaims any liability resulting from the failure to use this part in compliance with all applicable federal and state laws.

With the engine fully cool locate the large coolant on the right side of the engine and remove the factory clip from the fitting.

Place a rag underneath the fitting to catch any coolant.

Install the pressure sensor onto the coolant adapter. Make sure the O rings crush to ensure proper sealing. Wrap the threads with Teflon tape to ensure proper sealing.

Lube the fitting on the tank to aid in installation.

Install the sensor kit using the 2 included cotter pins on the top and bottom locations as shown.

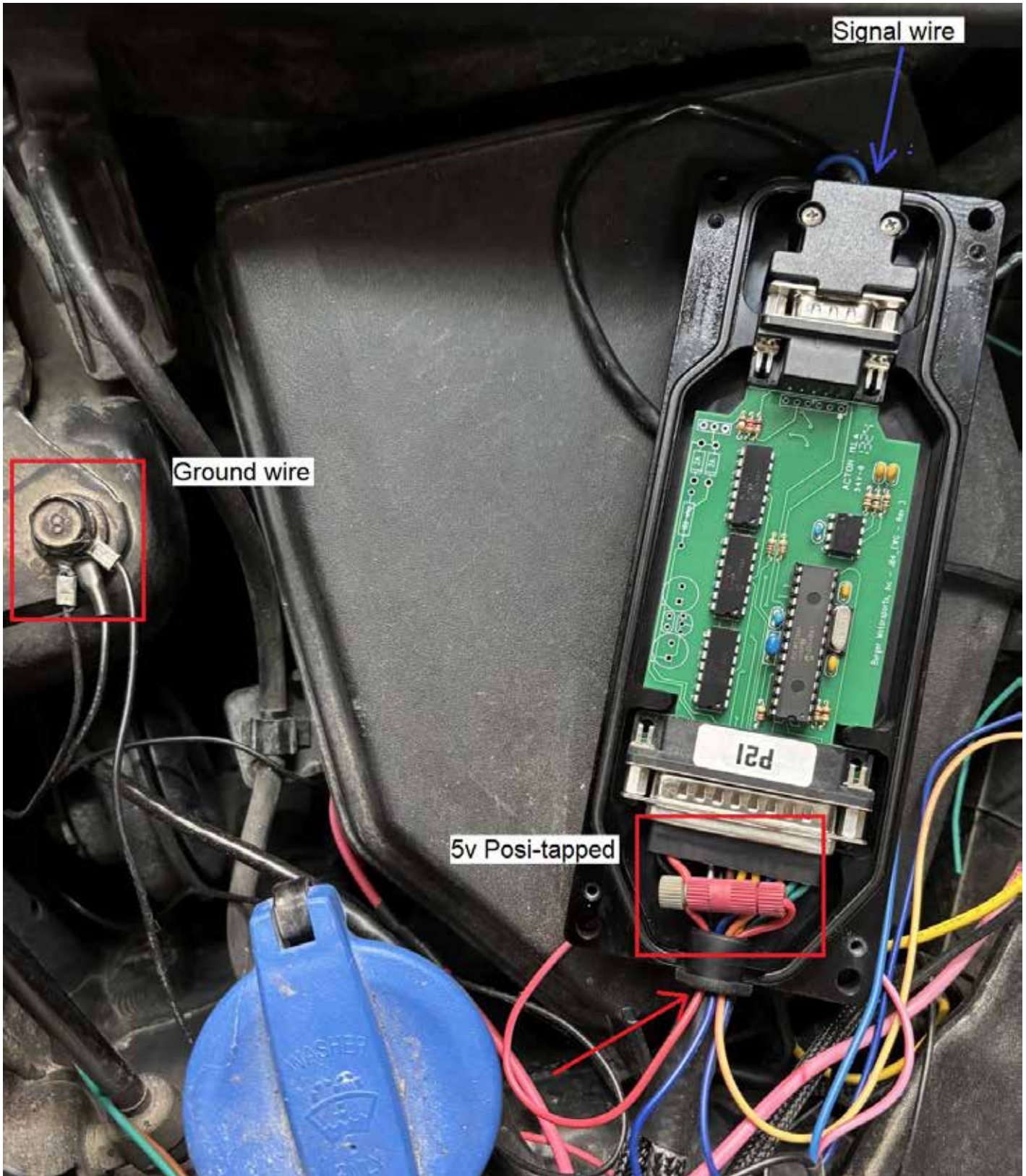Install the connector to the sensor and route the wiring over to the JB4 system.

Red wire will be Posi-tapped to one of the JB4 red wires.

Open JB4 case, **slide the wire through the grommet first.**

Slide the Posi-tap sideways and tap through the JB4 wire first, then add the sensor wire to complete the tap.

Attach the blue signal wire to JB4 mobile/Data cable DB9 connector position #9. If using the JB4PRO adapter, you'll solder a small wire to the open hole on the bottom and attach the signal wire there.

Attach the ground wire to the chassis or any suitable ground point.

After installation ensure the JB4 has v33 or newer firmware and turn on WMI/E85 option 3 to enable the coolant pressure input. Coolant pressure will display under the "aux1" logging channel.