



Installation Manual

201-0049 BMW Boost Reference Harness



This installation is not recommended for a novice or the “new guy” in the shop. Use caution when installing, as not to damage any factory components or components included in this kit. If you are not experienced in working on cars we recommend taking this kit to your local performance shop for installation.

NOTE: Precision Raceworks, LLC holds no responsibility for any damage that occurs or laws that are broken in the installation or use of this kit. This kit is intended for off-road purposes only.

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Kit Contents

QTY	Description	QTY	Description
1	Main Harness (Battery connection)		
1	30 amp fuse (pre-installed)		
1	Short harness (Pump connection)		
1	Long two-wire harness (Hobb Switch Ext)		
1	13psi Hobb Switch		

This section of the manual is intended to show the assembly of the **Precision Raceworks BMW Boost Reference Harness (201-0049)** and final assembly. For instructions of the removal or installation of factory components, please refer to your service manu-

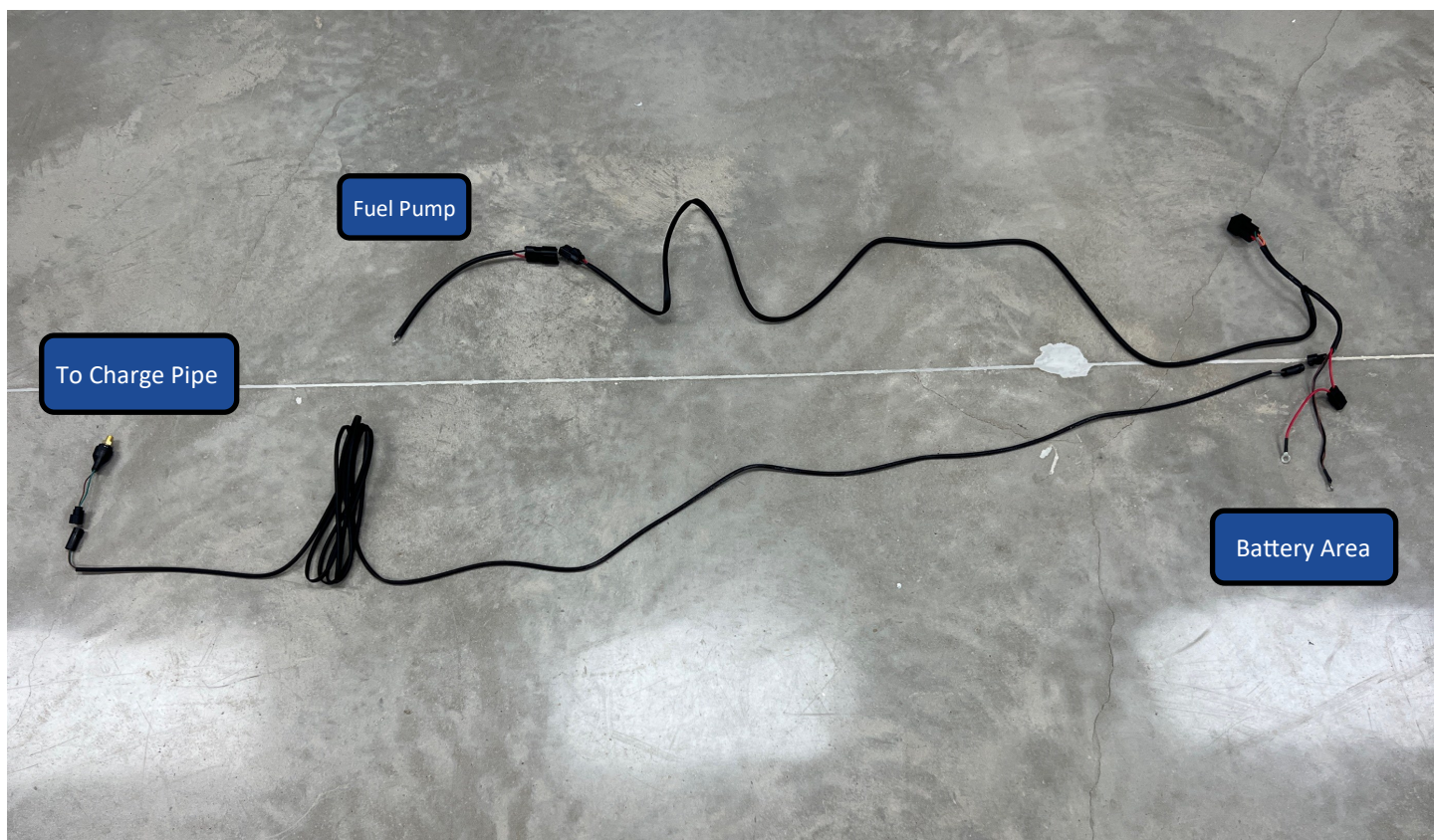
1. Unpackage your kit and verify contents inside the box matches the list found on previous page
2. Starting at the battery, connect the red wire with the ring terminal to the positive post of the battery, and the black wire with the ring terminal to either a solid ground or the negative post of the battery.
3. Route the portion of the harness with the large connector to the fuel pump top hat.
4. Cut a slit into the rubber boot in the metal plate that covers the fuel pump, then slide the two wires through the plate (ring terminals towards the fuel tank)
5. Connect the red wire to the positive (or marked red or +) connection on the top hat, and the black wire to the ground (typically marked black or -). When installing using our bolt connections, take care to only loosen the top nut, as loosening the lower nut may cause a leak if it is not tightened properly.
6. Connect Large connectors together
7. Moving back to the engine bay, it is time to install the hobb switch into the charge pipe or aftermarket intake manifold. This requires a 1/8" NPT port. Make sure to use Teflon tape when installing. Tighten thoroughly.
NOTE** If using Motiv ReFlex+ for control, you will skip this step. Look at the end of these instructions for further information.
8. Connect the thin hobb switch harness wire to the hobb switch and route it to the trunk. You can either route it through the firewall, or under the car following the fuel line.
9. Connect the hobb switch harness to the main harness and re-install the fuse. Re-install all covers.

Motiv ReFlex+ Users only:

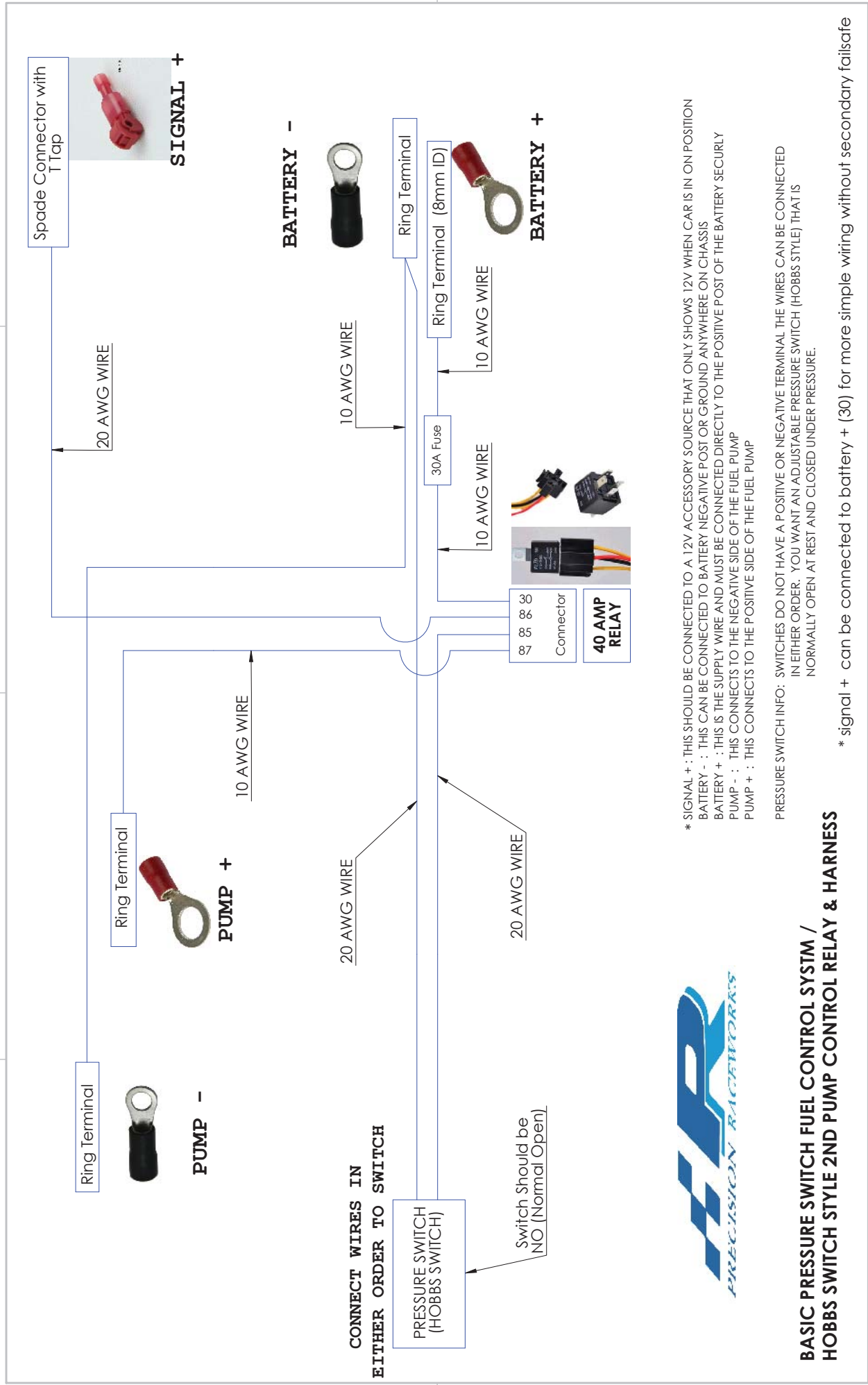
To have the ReFlex unit control the pump activation, please cut off the end of the hobb switch extension harness and connect the green wire to the appropriate auxiliary output of the ReFlex. Additionally, tape the brown wire to the green wire as it is not used.

PLEASE NOTE: The included relay is a standard relay, and will only work with inputs of 0% or 100%, anything in between may cause permanent damage to the relay.

To test the harness to ensure it is functioning, disconnect the hobb switch harness in the trunk, and connect the two pins together using anything conductive (it is a ground switch) on the end of the harness that goes to the relay. At this point you should hear the second pump turn on. It is not recommended to run it this way for extended periods of time as it may cause excessive heat at the pass-through bolts.



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**BASIC PRESSURE SWITCH FUEL CONTROL SYSTM /
HOBBS SWITCH STYLE 2ND PUMP CONTROL RELAY & HARNESS**

* SIGNAL + : THIS SHOULD BE CONNECTED TO A 12V ACCESSORY SOURCE THAT ONLY SHOWS 12V WHEN CAR IS IN ON POSITION
BATTERY - : THIS CAN BE CONNECTED TO BATTERY NEGATIVE POST OR GROUND ANYWHERE ON CHASSIS
BATTERY + : THIS IS THE SUPPLY WIRE AND MUST BE CONNECTED DIRECTLY TO THE POSITIVE POST OF THE BATTERY SECURELY
PUMP - : THIS CONNECTS TO THE NEGATIVE SIDE OF THE FUEL PUMP
PUMP + : THIS CONNECTS TO THE POSITIVE SIDE OF THE FUEL PUMP

PRESSURE SWITCH INFO: SWITCHES DO NOT HAVE A POSITIVE OR NEGATIVE TERMINAL THE WIRES CAN BE CONNECTED IN EITHER ORDER. YOU WANT AN ADJUSTABLE PRESSURE SWITCH (HOBBS STYLE) THAT IS NORMALLY OPEN AT REST AND CLOSED UNDER PRESSURE.

* signal + can be connected to battery + (30) for more simple wiring without secondary failsafe

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