



BAVARIAN AUTOSPORT

Sprint Booster Installation Instructions

APPLICATION NOTES: There are two different designs for the “fly-by-wire” BMW throttle pedal assemblies. We will classify these two as “slide-on” and “bolt-on”. Follow the instructions for your type of throttle assembly.

Most BMW

PART NUMBERS:

01 on
SBBM0001S
SBBM0002S

MINI

PART NUMBERS:

All
SBBMI001S
SBBMI002S

Slide-on style:

Fits 3 series 01 thru 05, 5 series 01 thru 03 (except M5), 740i/il 01 only, X5 01 thru 06, Z8 and MINI thru 06.

Bolt-on style:

Fits 1 series, 3 series 06 on, 5 series 04 on, 6 series 03 on, 7 series 02 on, X3, X5 07 on, X6, Z4 and MINI 07 on.

PROCEDURE:

1. Remove the driver's side floor mat.
2. Verify that the throttle pedal matches the application list above (slide-on vs bolt-on).
3. Remove the throttle pedal assembly.

Slide-on: Use a flat-blade screwdriver or small pry-bar tool to release the lock tab, through the rectangular slot in the left side of the pedal housing, near the flooring. Slide the pedal assembly to the left. Note that the base of the pedal assembly slides on a bracket at the floor. If the pedal sticks at the floor, use your hand to move the throttle at the base of the assembly.

Bolt-on: Use a small flat-blade screwdriver or small pick tool to remove the round cover plug (Figure 1), over the pedal securing screw at the base of the pedal assembly. Remove the securing screw with a 5mm allen wrench. Lift the pedal assembly to disengage the slot in the upper/back of the pedal housing (Figure 2), from the tab on the floor (firewall), which secures the assembly to the upper part of the floor (firewall).

4. Take note of how the vehicle harness is routed to the plug housing on the throttle assembly. Carefully unplug the harness from the throttle assembly.
5. Plug the Sprint Booster into the pedal assembly plug housing and route the Sprint Booster harness similar to how the original harness was routed (Figure 3).

NOTE: The plug will only install in one way, pay close attention to the orientation of the plug housing's shape and match it to the plug receptacle in the throttle (Figure 4). Also note that the contact pins are very small. Be careful that you do not bend the pins.

6. Plug the Sprint Booster harness plug into the vehicle's harness plug, being careful of the plug orientation and pin alignment, as noted above.



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7. Install the throttle assembly in reverse of the removal.

Slide-on: Engage the base of the throttle assembly on the mounting bracket and slide the throttle toward the center of the car (to the right) until the lock tab engages and the assembly is secure. Route the harness cable up under the lower dash trim and away from the pedal assembly. Assure that the harness will not interfere with the movement of the throttle pedal.

Bolt-on: Place the throttle pedal assembly against the firewall, above the mount. Slide the assembly down to engage the securing tab (on the firewall) into the receiver slot on the back of the pedal assembly. Push the pedal assembly securely to the floor and install the allen head screw in the base. Install the trim plug over the screw. Route the harness cable up under the lower dash trim and away from the pedal assembly. Assure that the harness will not interfere with the movement of the throttle pedal.

8. Start the engine and test the throttle application. If the throttle does not seem to operate properly, in controlling the engine speed, double check the Sprint Booster harness plug connections. Look for plug connections that are not fully assembled and secured and check for bent contact pins.

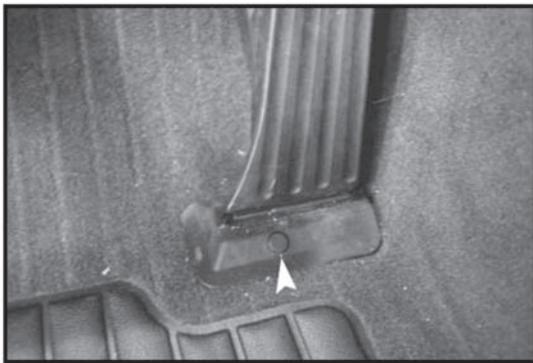


Figure 1



Figure 2

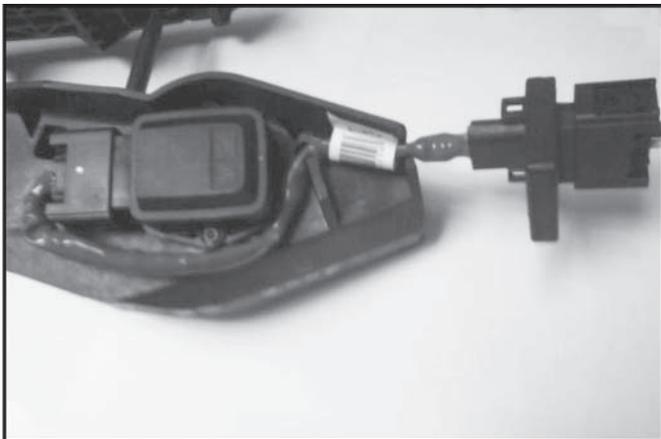


Figure 3

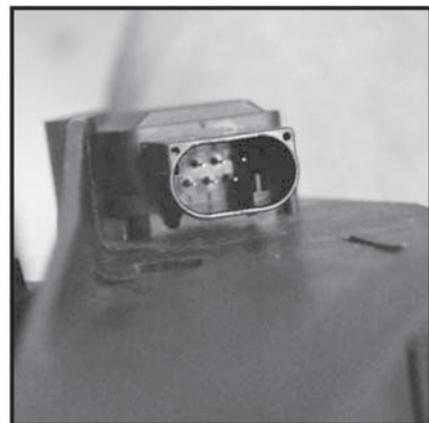


Figure 4