

Installation Instructions



Wireless Switch Panel Part #: S/B2955



For Technical Support / Warranty Information please call **800-776-0767** or email info@smittybilt.com
1017 W 600 N, STE 4, Ogden, UT 84404

Introduction

Thank you for choosing Smittybilt accessories for your vehicle. If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



S/B 2780



S/B 2583



S/B 2841

Important Notes Before Starting

! IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part. Check that all fasteners are properly torqued after installation and driving a short distance. Fasteners should be checked regularly.

! WARNING

Serious injury can occur when working on vehicles alone.

When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.

TOOLS REQUIRED

Wrench Set	Wire Cutter	Wire Strippers
Scissors		



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Box Contents



Item	Description	QTY
1	Control Box	1
2	Switch Panel	1
3	Mounting Brackets	5
4	Switch Panel Holder	1
5	Wireless Antenna	1
6	Circuit Breaker	1
7	Zip Ties	10
8	Button Decal Sheet	2

Item	Description	QTY
9	Charging Cord	1
10	Antenna Double Sided Adhesive	1
11	Battery Cables	3
12	Control Box Acc. Wire	1
13	Fuse Box Acc. Wire and Fuse	1
14	Hardware and Hex Key	23
15	Screw Driver	1



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Step 1: Set-Up

Open the box containing your Smittybilt Wireless Switch Panel and check all parts against the Bill of Materials outlined on the first few pages of these instructions. If anything is missing, contact Smittybilt factory technical support. Read all instructions before installation.

Park vehicle on a flat, level surface. Apply the parking brake and disconnect your battery.

Step 2: Determine Mounting Locations

Take the provided brackets and determine where in your engine bay you would like to mount the Wireless Switch Panel control box. Do the same inside your vehicle with the switch panel and its mounting brackets. Decide where you will mount the antenna, if you will mount it magnetically or with the provided piece of adhesive, and where you will run the antenna wire. Last, decide where to mount the circuit breaker.

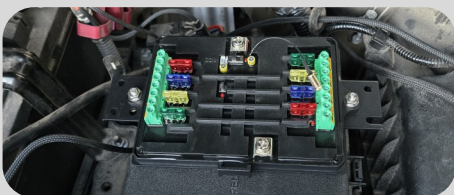
Also determine if you will be using mounting hardware or double sided tape for mounting.



Step 3: Mounting Bracket

Attach your desired mounting bracket to the control box. If using double sided tape to mount the control box, attach an appropriate length of tape now.

Do the same with the switch panel and the preferred switch panel mounting bracket.



Step 4: Mounting

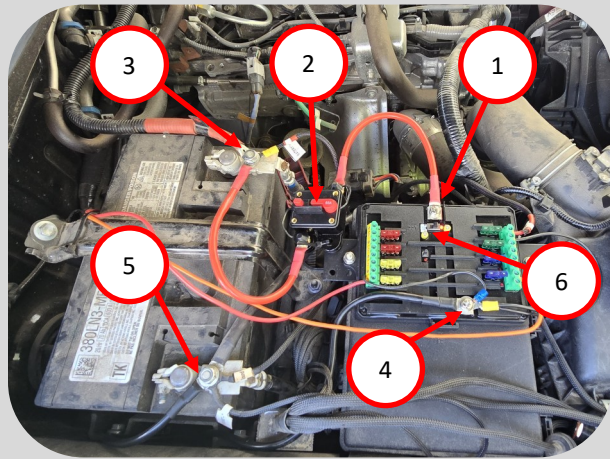
Prepare the areas you have chosen to mount everything. On areas where double sided tape will be used, clean the surface so that the tape adheres better.

Mount the control box, switch panel, wireless antenna, and circuit breaker in the desired locations.



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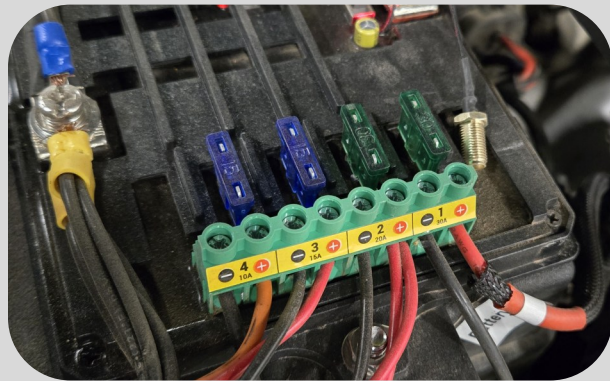
Installation Instructions



Step 5: Control Box Wiring

With the control box cover removed, use the provided red cable to connect the positive post of the control box (1) to the circuit breaker (2) and the circuit breaker (2) to the positive battery terminal (3). Connect the negative post of the control box (4) to the negative terminal of the battery (5).

(6) If you want to wire the control box to an accessory spot in you fuse box, do so now using the provided wire and fuse.



Step 6: Wiring

Connect all of your desired accessories to the control box by loosening the screws for a positive and negative terminal pair. Insert a stripped section of wire from the necessary wires into each terminal and tighten down the screw. Wire everything up as necessary.

Run the wireless antenna wire and connect it to the control box, then attach the control box cover.



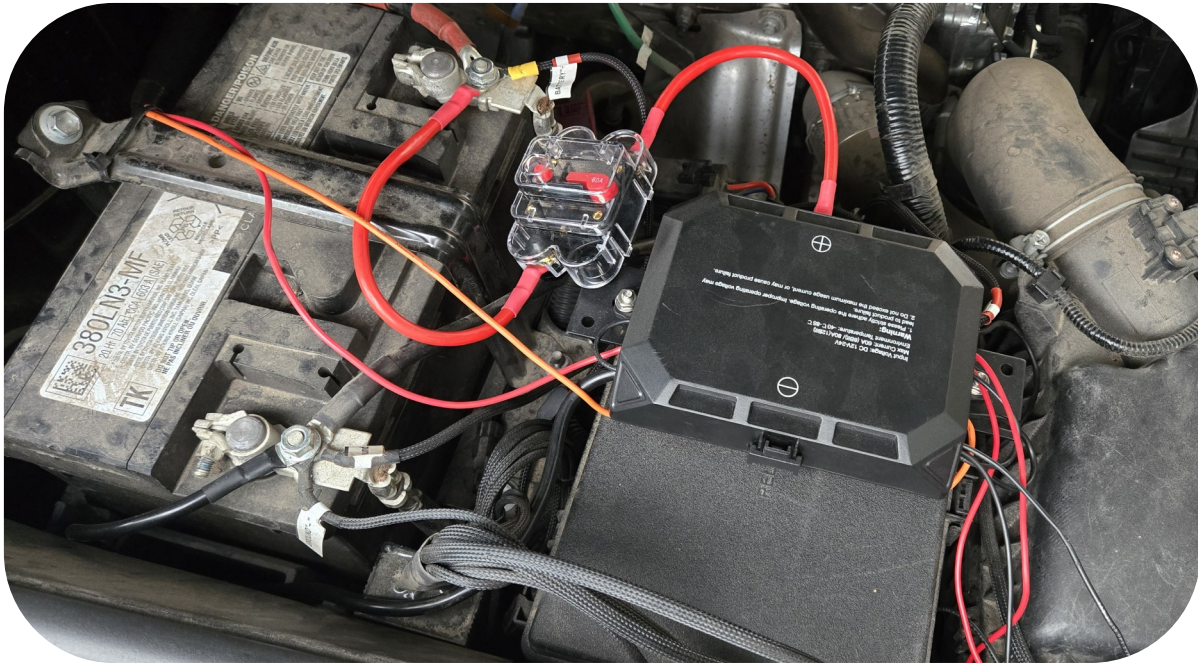
Step 7: Switch Panel Functions

Confirm all of your accessories function properly when you press each button on the switch panel. Make sure the switch panel is properly charged before testing functions.



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Installation Complete



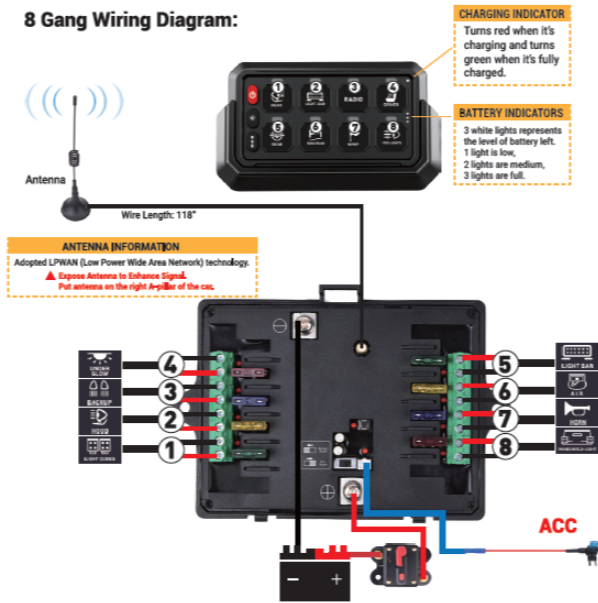
Congratulations! Your install is now complete.
Enjoy your new Smittybilt Wireless Switch Panel



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Functions

8 Gang Wiring Diagram:



8 circuit fuse block:

circuit 1	circuit 2	circuit 3	circuit 4
30A	20A	15A	10A
circuit 5	circuit 6	circuit 7	circuit 8
30A	20A	15A	10A

Specification:

Voltage : 12V/24V DC Power : 720W at 12V/1440W at 24V
Maximum Current : 60A Operating Temperature : - 40°C to 85°C

BUTTON INTRODUCTION:



ON/OFF

- Short Press** - Switch on/off panel, with memory function, remembers last setting.
- Long Press for 3s** - Display battery level.
- Long Press for 10s** - Reset backlight & switches to factory setting (will not unpair panel to control box).



- Short Press** - 6-level brightness adjustment (0%, 20%, 40%, 60%, 80%, 100%). Each time you press it, you switch the brightness to a different level.

- Long Press** - Enter setting control mode.



- Short Press** - Switch a color/effect

1. Red	2. Orange	3. Yellow	4. Green
5. Cyan	6. Blue	7. Purple	8. White
- Long Press** - To pair panel to control box.



POWER SWITCH

Switch it off to cut off panel power completely, increase standby time

4 CONTROL MODES

With 4-color indicator, each represents different mode, making operation clear & easy

1.Toggle(Red)



2.Momentary(Blue)



3.Flash(Purple)



4.Strobe(Green)



SET CONTROL MODE



Long Press Brightness Button till Red Backlight's Flashing, to enter Control Mode Setting



Press any button you like to set, you'll see the indicator's color switches each time you press a certain button, which represents 4 control modes: Toggle(red), Momentary(blue), Flash(purple) and Strobe(green). Set all buttons to your desired modes.



Setting completed. Press On/Off to exit setting.



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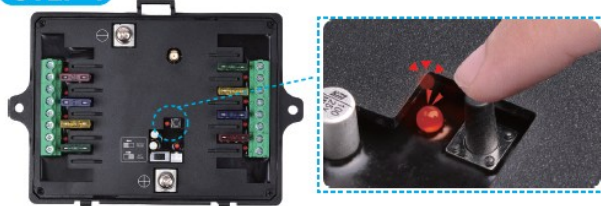
Functions

HOW TO PAIR SWITCH PANEL WITH CONTROL BOX?

Note:

Our factory settings have already paired them for you. In normal circumstances, you don't need to pair them again. However, if there are special circumstances where you need to re-pair, follow these steps.

STEP 1



Power on the Control Box, press and hold the pairing button. At this point, the Control Box's indicator light will flash red, indicating it's in pairing mode.
Note: If you press the pairing button for 8s, it will clear all pairings.

STEP 2



Press and hold the RGB button on the Switch Panel. The Switch Panel's backlight will turn red, and simultaneously, the Control Box's indicator light will stay red, indicating a successful pairing.

FREQUENTLY ASKED QUESTIONS

Q1: What is the maximum running current?

A1: The 8 Gang Switch Panel is rated for 60A, and the 12 Gang Switch Panel is rated for 80A.

Q2: Can I connect negative wire to the common cathode?

A2: Yes.

Q3: How do I know if the wiring is correct?

A3: If the power indicator is red on, means the connection is correct.

Q4: What is the function of the control box switch?

A4: The Control Box Switch provides two ways to obtain power: Connect ACC or Battery. Slide it to ACC, control box will obtain power from ACC; slide to the other end, control box will obtain power from battery. **It's recommended to obtain power from battery.**

Q5: What type of Add-a-Circuit Fuse Tap?

A5: Small fuse tap.

Q6: The Control Box has a black wire antenna. Can it be disconnected?

A6: It cannot be disconnected. It's recommended to let the antenna extend outside the box for better communication range.

Q7: The Switch Panel won't charge?

A7: Some phone chargers that use a Type-C to Type-C cable may not be able to charge the panel due to an internal recognition chip. Please try using a different charging cable.

Q8: The Control Box isn't responding?

A8: Step 1. Check the product to ensure it's properly powered.
Step 2. Try re-pairing (refer to the pairing instructions).
If you still can't control it, record a video and contact our customer support. We will quickly assist based on the video's situation.

Q9: The Control Box is connected to the car battery, and the power indicator light stays on. Will it drain the car battery?

A9: No, it won't. This product has a standby current less than a 3mA 60AH battery. The battery can support the switch panel under standby status for 833 days without charging.

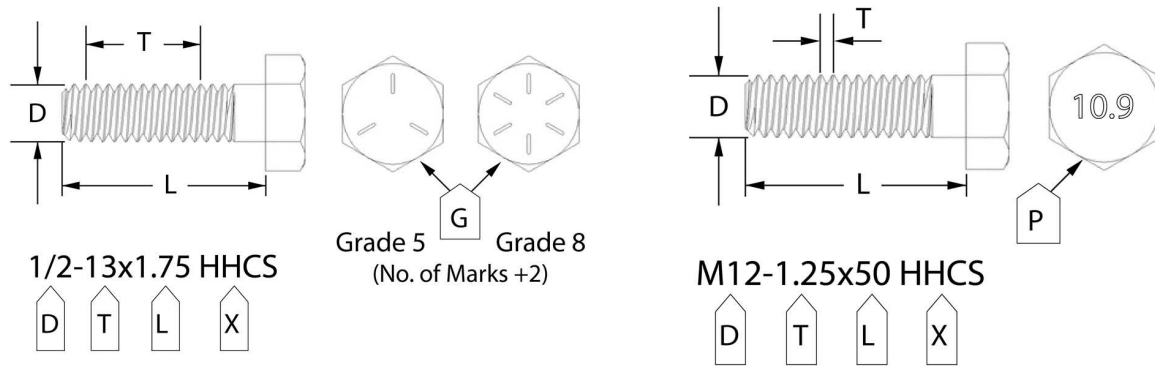


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Bolt Torque Specifications

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
<i>All Torques in Ft. Lbs. Maximums</i>						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



G= Grade (Bolt Strength)
 D= Nominal Diameter (Inches)
 T= Thread Count (Threads per Inch)
 L= Length (Inches)
 X= Description (Hex Head Cap Screw)

P= Property Class (Bolt Strength)
 D= Nominal Diameter (Millimeters)
 T= Thread Pitch (Thread Width, mm)
 L= Length (Millimeters)
 X= Description (Hex Head Cap Screw)



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Notes and Disclaimers

Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. Dual state powder coat finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish. Textured coated finishes should be cleaned with a mild soap on a damp sponge. Do not apply polish or wax that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. Chrome Finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish.

SMITTYBILT ADVANTAGE WARRANTY

LIMITED-LIFETIME WARRANTY FOR STRUCTURAL COMPONENTS

5-YEAR FINISH WARRANTY

Smittybilt Automotive Products, LLC (SAP) warrants to the original purchaser that (a) the physical components (e.g., metal components, welds, etc.) of any SAP *Wireless Switch Panel* will be free of defects in material and workmanship for the lifetime of the product from the date of purchase of the *Wireless Switch Panel*, and (b) the finish will be free of defects in material and workmanship for a period of 5-years from the original date of purchase. This warranty applies only to the original purchaser of the *Wireless Switch Panel* and is non-transferable. To obtain any warranty service, you must provide SAP with a proof of purchase and date of purchase that is acceptable to SAP, such as a copy of your purchase receipt.

This warranty does not cover labor of part replacement of the *Wireless Switch Panel*. SAP will, at its sole discretion, provide replacement part(s) for a defective *Wireless Switch Panel* or component, provided this is done within the warranty period. To request assistance under warranty, one must call or email using the phone number or email at the bottom of this page. This warranty does not apply (1) wearable components; or (2) if the *Wireless Switch Panel* has been damaged, including, but not limited to: abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any SAP serial number has been removed or defaced; or if the *Wireless Switch Panel* is used for any commercial, industrial, or rental applications. This warranty only applies to *Wireless Switch Panel* bought, sold, and used within the United States or Canada unless otherwise specifically agreed in writing by SAP.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED TO A DURATION OF ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT. No SAP dealer, agent, or employee is authorized to make any modification, extension or addition to this warranty. SAP SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF SAP WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state. SAP reserves the right to change product design without notice. In situations in which SAP has changed a product design, SAP shall have no obligation to upgrade or otherwise modify previously manufactured products. For warranty inquiries contact SAP at:

Smittybilt Automotive Products, LLC

Customer Service Department

Call 1-800-776-0767 or Email info@smittybilt.com



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov



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