



SST11

11-Inch Powered Spare Tire Subwoofer

User Manual

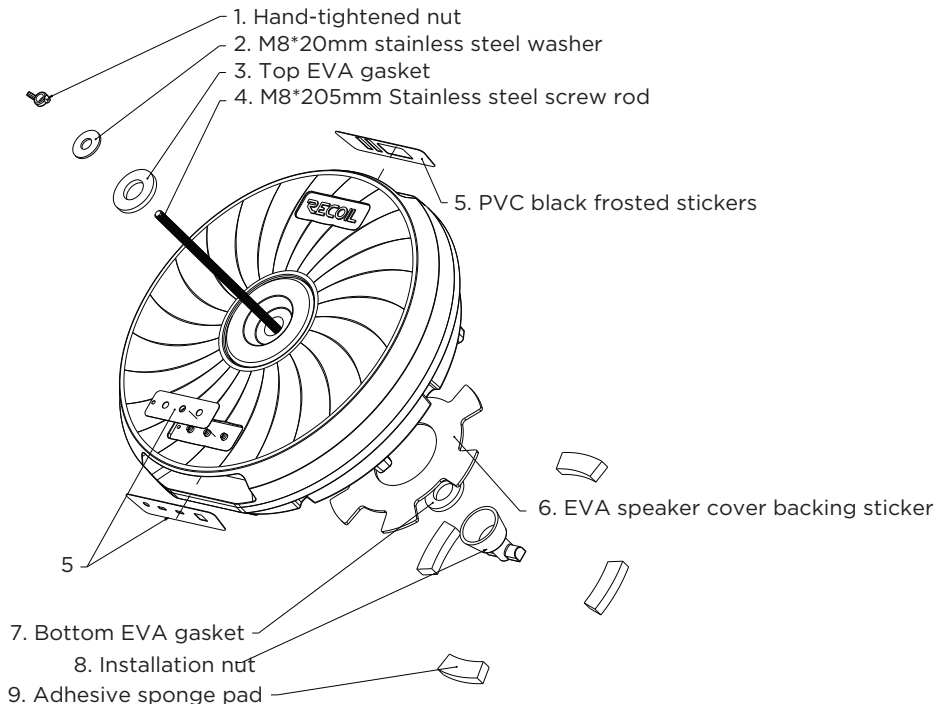
INTRODUCTION

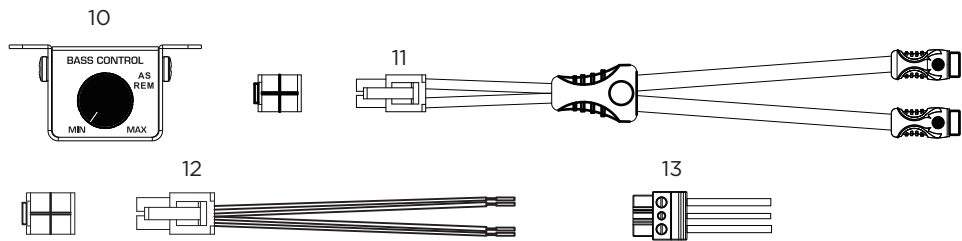
Congratulations on your purchase of RECOIL, a brand fanatical about achieving the deepest, most accurate bass reproduction. You've chosen a powered spare tire subwoofer – engineered to deliver powerful, low-frequency performance without sacrificing valuable cargo space. Through precise digital engineering, robust Class-D amplification, and rigorous testing, we have created a subwoofer that adds the punch and depth your music has been missing. For maximum performance and safety, we strongly recommend having your new RECOIL subwoofer installed by an Authorized RECOIL Dealer. Please read your warranty, and retain your receipt and original carton for possible future use.

FEATURES

- Rugged Die-Cast Aluminum Case – Built to withstand road vibration and dissipate heat efficiently.
- High-Performance 11" (280mm) Subwoofer – Engineered for deep, punchy bass without distortion.
- 580W RMS Class D Amplifier – Massive, efficient power in a compact footprint.
- Easy Connection System – Simple wire connection for a faster, safer install
- Totally Hidden Sub System – Completely out of sight, fits discreetly inside your spare tire.
- Remote Control – Adjust Volume from your dashboard.
- Important Fitment Note: Designed ONLY for spare tires smaller than 15 inches in diameter.

BILL OF MATERIAL





appendix		
1	M8 Hand-tightened nut	1 PCS
2	M8*20mm stainless steel washer	1 PCS
3	Top eva gasket	1 PCS
4	M8*205mm Stainless steel screw rod	1 PCS
5	PVC black frosted functional stickers, Thickness : 0.5mm	3 PCS
6	EVA speaker cover backing sticker	1 PCS
7	Bottom EVA gasket	1 PCS
8	Install the nut	1 PCS
9	53*18*5MM Adhesive EVA pad	4 PCS
10	Remote Control	1 PCS
11	RCA level signal input harness	1 PCS
12	Speaker level input harness	1 PCS
13	Power, ground remote quick release connector	1 PCS

SPECIFICATIONS

Model:	SST11
Size:	11-Inch / 280mm
Power:	580W @ 0.15Ohm @14.4V
Total Harmonic Distortion:	< 0.8% @ 100Hz
Signal to Noise Ratio:	> 85dB @+A
Frequency Response:	50-200Hz
Sensitivity :	0.2-8V
Fuse:	25Ax2

Warning

Continuous listening at the High levels may jeopardize hearing. Over 130dB continuous listening may cause permanent damage

POWER CONNECTIONS

A: Ground Connection

Connect the ground terminal to the closest possible point on the car chassis. Use a ground cable no longer than 39 inches (100 cm). Cable gauge: 8 AWG or thicker (not included in the package).

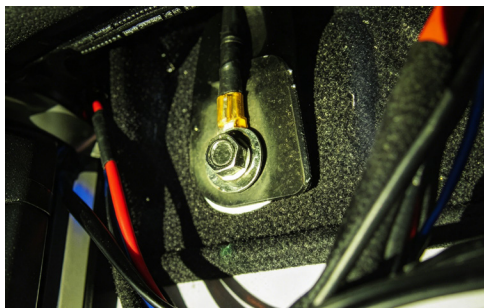
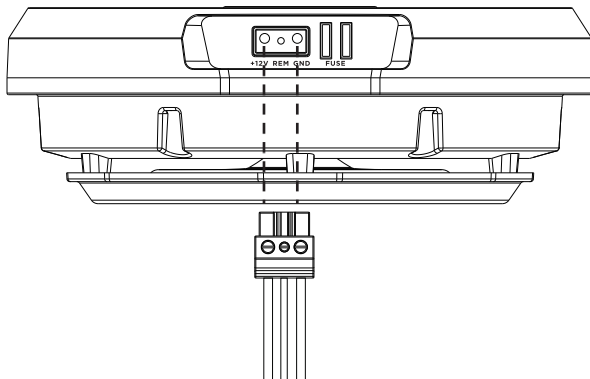
B: Remote Turn-On Connection

Use No. 18 gauge or larger cable. Connect this cable from the remote output terminal of your head unit to the control terminal on the subwoofer amplifier.

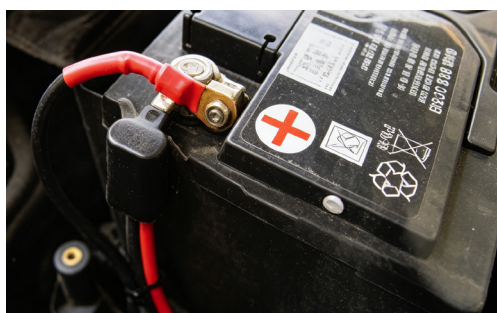
C: +12V Power Connection

Using 8 AWG or thicker cable, connect one side of an in-line fuse holder (fuse not pre-installed) to the positive (+) terminal of the car battery. Connect the other side of the fuse holder to the +12V terminal on the active subwoofer, using the same 8 AWG cable. Double-check all connections to ensure no mistake. Finally, insert the fuse into the fuse holder to complete the circuit.

Important: Do not install the fuse until all connections are securely made and verified.



A.connect the ground terminal/negative cable in blackto active subwoofer , which is nearest to the car chassis.



C.Power/positive cable in red,get power from the carbattery.(connect the power cable to positive of the battery

SIGNAL & REMOTE CONNECTIONS

A. Remote Connection

The remote control plugs into the AUX port and adjusts bass level only. Before turning the subwoofer on, set the remote knob to minimum (fully counterclockwise). Turn your radio's main volume up to about $\frac{3}{4}$ of maximum, then slowly increase the remote knob until you just begin to hear distortion. Finally, turn the remote knob down slightly — just below the distortion point.

B. PHASE SHIFT(0°/180°)

Use this switch to compensate for acoustic phase issues caused by subwoofer-to-listener distance differences relative to other speakers.

C. VB (Virtual Bass)

Activates DSP processing to enhance bass perception around 42Hz. Ideal for factory systems in compact vehicles. The Bass Boost control is also centered at this same frequency for precise low-end emphasis.

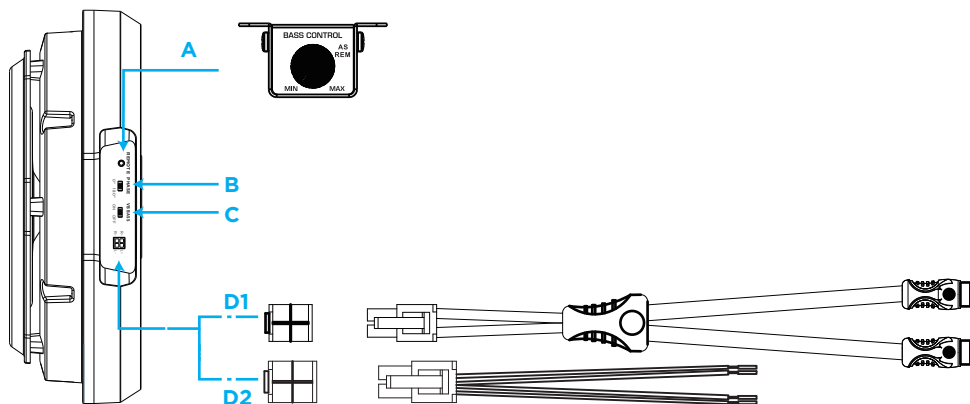
D1. Low-Level (RCA) Input Connection

This subwoofer accepts RCA input only. Use the included Molex-to-RCA adapter harness. Plug the Molex end into the subwoofer's Molex connector. Connect your RCA cables to the RCA female jacks on the other end of the harness.

Note: RCA cables are not included. For best bass and minimal interference, use high-quality RECOIL Audio RCA cables.

D2. High-Level (Speaker Level) Input Connection

This subwoofer accepts high-level input for use with factory head units that lack RCA outputs. Use the included Molex-to-speaker-wire harness. Plug the Molex end into the subwoofer's Molex connector. Then connect the speaker wires on the other end to your vehicle's existing speaker wires (left positive/negative, right positive/negative) carrying the full-range signal.



SETUP

1. X-OVER

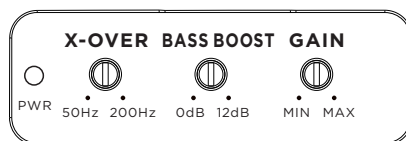
Adjust the knob to set up tuning frequency, this control blocks the frequencies above the tuning frequency.

2. BASS BOOST

Increases the bass level by 12dB.

3. GAIN

This gain control is preset to match the output of source units.



INSTALLATIONS

1. Check spare tire compatibility – Ensure your spare tire is 15 inches (381mm) or smaller in diameter. This subwoofer is designed for tires up to 15”.
2. Prepare the trunk – Clean the trunk area, then remove the trunk floor board and the factory gasket.
3. Remove the factory hold-down bolt from the spare tire. Do not discard it.
4. Clean the spare tire – Remove any dirt or debris from the tire surface.
5. Verify included hardware – Confirm that the supplied hold-down screw bolt (M8 × 200mm) is present.
6. Check the cup (if needed) – The included metal cup (see diagram, bottom right) is used for certain spare tire designs. Verify whether your specific spare tire requires it before proceeding with installation.



ALTERNATE INSTALL



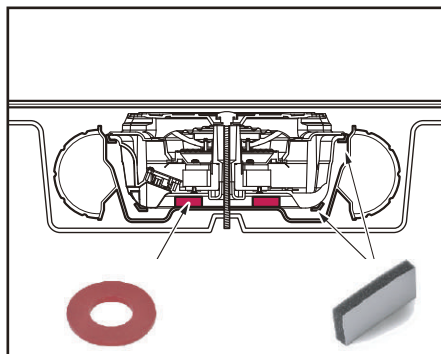
“CUP”

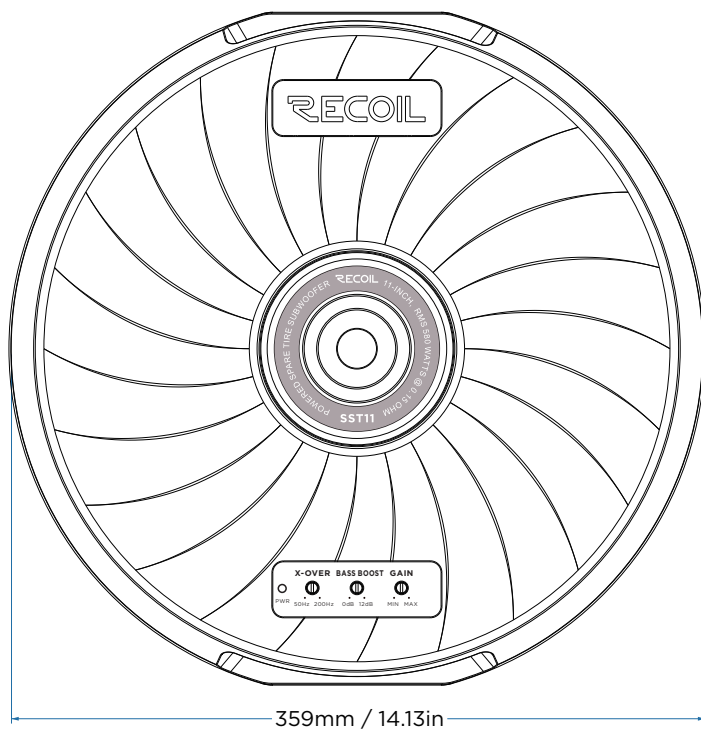
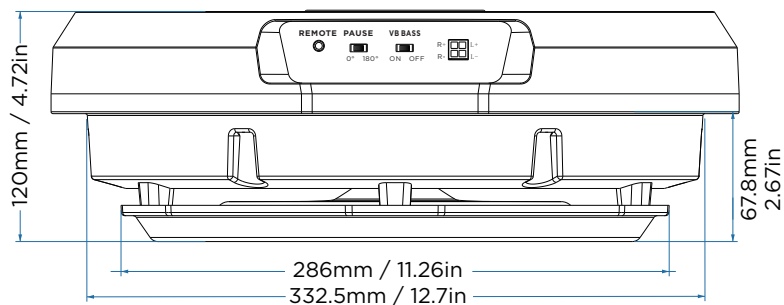


TYPICAL INSTALL



7. Position the foam and rubber gasket – Place them in the correct locations as shown in the diagram above.
8. Connect the power cable – Plug the power cable into the active subwoofer.
9. Connect the remote control – Plug the remote control cable into the active subwoofer.
10. Secure the assembly with the L-shaped spanner – Tighten the subwoofer back to its original position.
11. Lock the subwoofer into the spare tire – Use the provided screw bolt to fix the active subwoofer securely inside the spare tire.





TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
Does not turn on	1. Check 12V (+) and 12V (GND) connections – make sure they are connected and properly terminated. 2. Check the 12V remote trigger for proper termination – make sure there is more than 5V DC. 3. Make sure the car’s battery or power system is above 12V DC. 4. Make sure the fuse is good. 5. Make sure the “Power” LED is lit. If not, check that the car’s ignition is on.
Protection LED is lit or the woofer is in overheat protection	1. Make sure the woofer does not have a short circuit. 2. Adjust the volume to avoid over-driving the woofer. 3. Disconnect the speaker connections and restart the amplifier. If it goes straight into protection mode, the amplifier has failed and will require service.
No Output	1. Make sure the woofer does not have a short circuit. 2. Make sure the amplifier has a good connection to 12V (GND). 3. Check the 12V remote trigger for proper termination – make sure there is more than 5V DC. 4. Make sure the RCA or high-level input connections are fully engaged. 5. Make sure the speaker cables are securely connected.
Low Output	1. Reset the volume control. 2. Make sure the filter is switched to the correct settings.
Hiss when playing music	1. Disconnect the amplifier’s signal cable. If the noise disappears, the signal cable or head unit is defective. Replace the signal cable first; if that does not fix the issue, replace the head unit. 2. Turn the amplifier volume down and turn the head unit volume higher – but not into distortion.
Woofer making weird audible noise	1. Check the RCA connections. 2. Turn the amplifier volume down and turn the head unit volume higher – but not into distortion.
Amplifier Overheating	1. Check the woofer impedance. If the woofer is damaged, the amplifier may be seeing too low an impedance load. 2. Make sure the amplifier has good ventilation. You may need to remove some of the trunk mat backing to allow more air to circulate around the woofer assembly.