

### Warranty Statement

ThunderForm Loaded Enclosures purchased in the United States from an authorized MTX dealer are guaranteed against defects in material and workmanship for a period of two years from the date purchased by the end user, and limited to the original retail purchaser of the product.

Amplified ThunderForm Enclosures purchased in the United States from an authorized MTX dealer are guaranteed against defects in material and workmanship for a period of one year from the date purchased by the end user, and limited to the original retail purchaser of the product.

Product found to be defective during that period will be repaired or replaced by MTX at no charge. This warranty is void if it is determined that unauthorized parties have attempted repairs or alterations of any nature. Warranty does not extend to cosmetics or finish. Before presuming a defect is present in the product, be certain that all related equipment and wiring is functioning properly. MTX disclaims any liability for other incurred damages resulting from product defects. Any expenses incurred in the removal and reinstallation of products are not covered by this warranty. MTX's total liability will not exceed the purchase price of the product. If a defect is present, your authorized MTX dealer may be able to effect repairs.

Proof of purchase is required when requesting service, so please retain your sales receipt and take a moment to register your product online at [www.mtx.com](http://www.mtx.com).

# MTX

# THUNDERFORM®

## VOLKSWAGEN BEETLE



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# MTX

One Mitek Plaza, Winslow, IL. 61089  
1-800-225-5689 [www.mtx.com](http://www.mtx.com)

### Vehicle Specific Subwoofer Enclosure

## Made in the USA

**READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING**

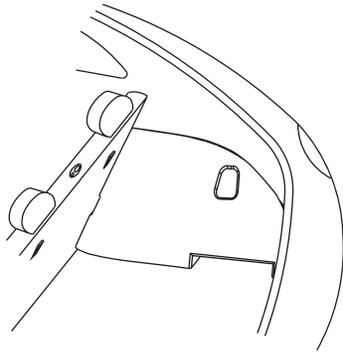
**MOUNTING LOCATION:** The enclosure mounts in rear hatch of Volkswagen Beetle on passengers side.

**TOOLS REQUIRED FOR INSTALLATION:**

- |                     |                   |
|---------------------|-------------------|
| Powered Screwdriver | T20 Torx          |
| Wire Cutters        | #2 Phillips       |
| 10mm Wrench         | Terminal Crimpers |

**INSTALLATION:** Follow the steps below

1. Place enclosure in rear hatch of vehicle, with woofer firing towards the floor of the vehicle on passengers side (do not mount yet).

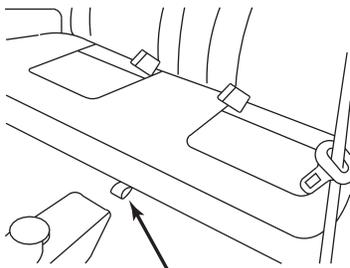


2. If externally amplified make speaker connections to the enclosure from the amplifier; loosen terminal knobs (a 13-mm nut driver can be used). Connect speaker wires from amplifier to enclosure, positive to red terminal knob and negative to black terminal knob. Refer to Step 25 for mounting directions.

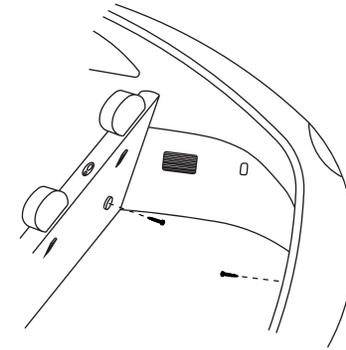
**AMPLIFIED THUNDERFORM**

**Routing Power Wire; we recommend a connection directly to the battery.**

3. Remove rear seat bottom cushion. Pull up and forward at front of cushion. Flip cushion up and unclip seat bottom from vehicle.



26. Remove enclosure and screw rubber pads in the location where enclosure notches were, the rubber pads hold the enclosure in place.



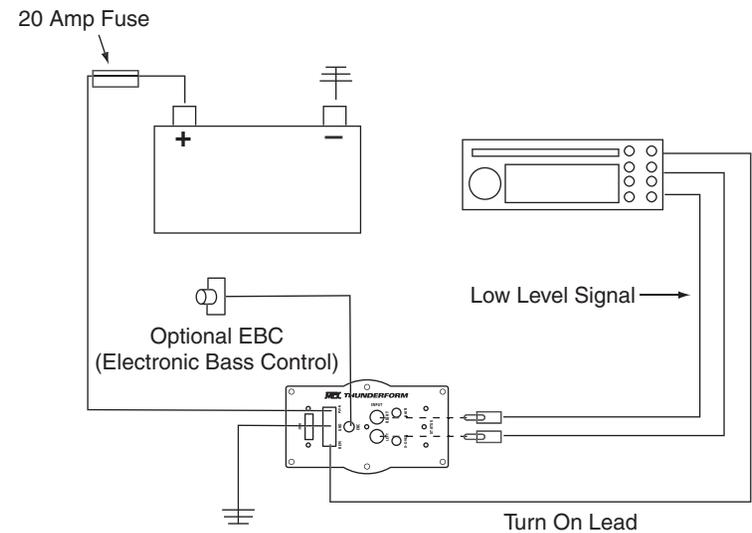
27. Put enclosure back in place, reconnect wires, lock seat in position and enjoy.

**For technical assistance call 1-800-CALL MTX.**

*These instructions are guidelines only and in no way are intended to replace a professional installation. As always before screwing or drilling check to make sure you will not damage any wires or hoses or cause damage to the vehicle.*

**Warning:** Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks or lighted substances to come near the battery. When charging or working near a battery, always shield your face and protect your eyes. Always provide ventilation.

**Conventional Wiring of Aftermarket Radio**



## Setting Gain

Turn gain knob on Thunderform pre-amp to minimum, counter clockwise. Play a favorite tape or compact disc that contains consistent music and bass. Turn the source unit to maximum listening level. You should know that some source units will produce distortion or “clip” before the unit reaches maximum volume. Reduce volume to the loudest listening level before distortion. Turn the gain knob on the Thunderform pre-amp clockwise until the speaker starts to distort and reduce gain to loudest listening level before distortion.

**Optional-** The EBC, or Electronic Bass Control, allows a remote bass control to be adjusted from the driver's seat.

## Setting Crossover

You should set the crossover to your own personal listening taste. The crossover is adjustable to any frequency between 50Hz (counterclockwise) to 150Hz (clockwise). As a guideline, the goal is to create the illusion of bass up front. The higher the crossover point the more “audibly visible” your sub is going to be. Take your time and really listen to your system, grab a soda and a few of your favorite tunes and have fun.

## TROUBLESHOOTING TIPS IF AMP DOES NOT TURN ON

*Check all connections at battery and that fuse is installed*

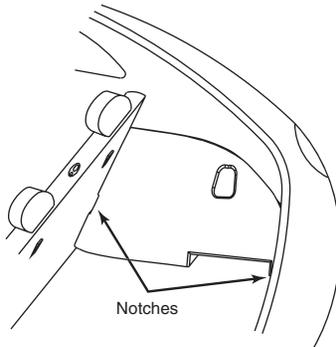
*Check speaker wire connections*

*Check ground*

*Check fuse on pre-amp*

**24.** Reinstall all interior trim and rear seat. This is fairly easy, just reverse the process of removal. Reverse Steps 3 thru 9 to reassemble the interior of vehicle.

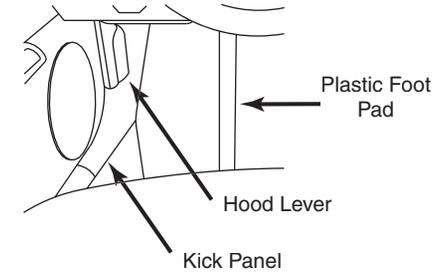
**25.** With enclosure placed against the passenger side of vehicle in rear hatch. Place a piece of tape at the two notches of the enclosure. One on the back of rear seat and one on spare tire lid flap at rear of vehicle.



**4.** Remove both rear seat side panels. Start pulling at window and work your way down towards the floor, pull towards center of vehicle. Slide the seat belt through the slot and remove panel.

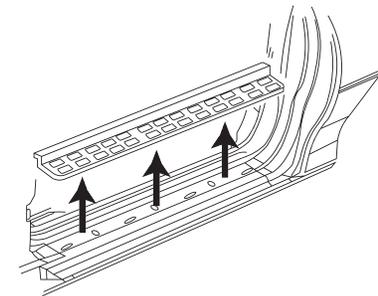
**5.** Remove cover underneath dash on drivers side of vehicle. Unscrew three T-20 torx screws and slide cover out of clips.

**6.** Remove hood lever, pull lever back as to open hood. On back side of lever remove plastic clip and slide lever off of shaft.



**7.** Remove drivers side kick panel by removing screw behind where hood lever was. Next pull up and towards the center of the vehicle. The panel should remove easily.

**8.** Remove drivers side threshold, pull up firmly but slowly. The trim will remove easily.

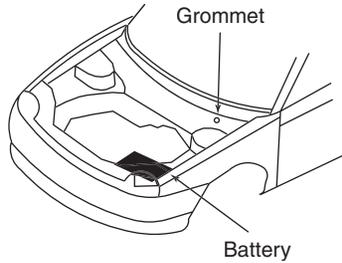


**9.** Remove plastic foot pad underneath dash. Unscrew one phillips screw and slide pad up to unclip from floor of vehicle.

**10.** Using furnished wiring harness route 10ga red power wire starting at the pre-amp location. Route wire under rear seat over to drivers side threshold and under carpet to the front of vehicle on drivers side.

**11.** Open hood.

12. Drill a hole through the fire wall. Locate a spot low on the fire wall. You should always look to find a clear path. Drill a hole from inside of the vehicle into engine compartment and insert grommet.



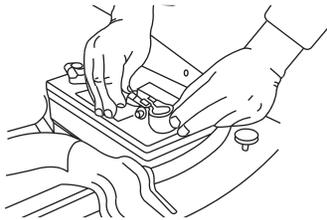
**Note:** To avoid any damage to parts inside engine compartment, drill from inside of vehicle using a short bit.

13. Route 10ga red power wire through a grommet, into the engine compartment.

14. Route 10ga red power wire through engine compartment safely away from any moving or hot parts that could damage the wire.

15. Cut 10ga red power wire to length, connect the supplied fuse holder from the wire kit to the end of the wire.

16. Remove 20amp fuse from MTX fuse holder. Connect furnished ring terminal to positive side of battery. Remove nut from factory battery terminal. Pass bolt through factory battery terminal, then ring terminal, and into the other side of factory battery terminal and retighten nut.



17. Ground amplifier to chassis of vehicle; connect the terminal provided to the 10ga black wire from furnished wiring harness. A good ground is as important as the power connection. The ground should be as short as possible and the contact point should be free of paint and debris.

### SPEAKER WIRES

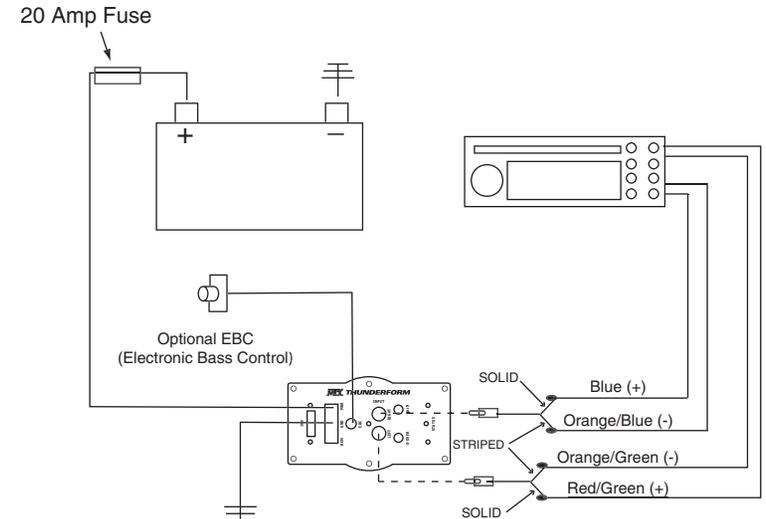
18. Tap into the rear speaker wires at rear seat speakers with the supplied RCA High Level input wires and route to pre-amp of enclosure. Wiring colors for the rear speakers are left side, blue (positive), orange/blue (negative). Right side, red/green (positive), orange/green (negative).

Although, MTX has made every effort to assure proper wiring colors, MTX is not responsible for any changes made by the vehicle manufacturer which sometime occur. If wiring colors do not match then physical verification is required.

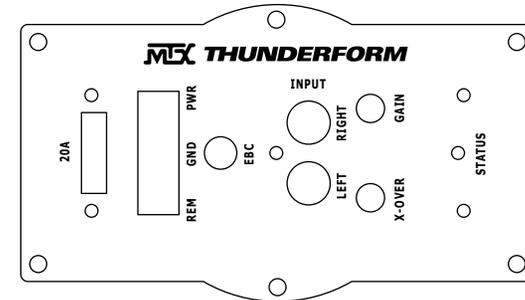
### CONNECTION TO ENCLOSURE

19. Connect speaker wire RCA's to the inputs of pre-amp.

*Note:* Patented BTL turn on circuitry- amplifier senses DC offset provided by "high powered" or BTL type head units. This feature turns the amplifier on automatically if you are using high level inputs.



20. Plug power wire harness into amplifier pre-amp.



21. Replace 20amp fuse under hood.

22. When amp turns on, LED will display red during diagnostic mode, and then green, signaling amp is on and functioning. Amp will only turn on when radio is on.

23. Adjust gain and crossover.