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 mtx.com.

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MTX AUDIO THUNDERFORM®

FORD EXPLORER

Mazda Navajo and Mercury Mountaineer

Vehicle Specific Subwoofer Enclosure

Made in the USA

READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING

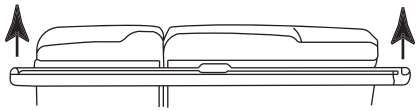
MOUNTING LOCATION: The enclosure mounts behind rear panel on passenger's side and replaces factory cargo net.

TOOLS REQUIRED FOR INSTALLATION:

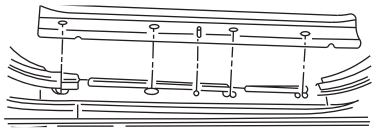
Phillips Head Screwdriver	T50 Torx
15mm Wrench	8mm Socket
1/4" Socket	Ratchet
6" Ratchet Extension	11/32" Socket
Wire Crimper/Cutters	Panel Puller

INSTALLATION: Follow the steps below

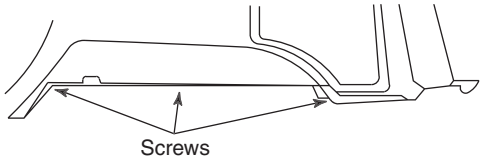
1. Remove the retractable cargo cover.



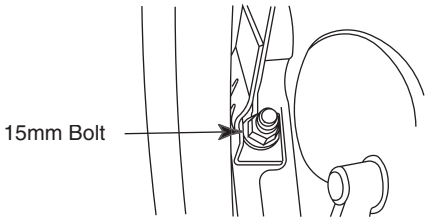
2. Remove the liftgate scuff plate, start from one end and pull up slowly working your way over the other side.



3. Pull back the cargo floor carpet and remove the three phillips head screws holding the trim panel to the floor.



4. Remove the safety belt to floor nut.



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

33. Check all connections and mounting one last time to ensure the enclosure is operational before reattaching panels.

34. Reinstall quarter panel trim. Making sure to thread seat belt through the opening in quarter panel trim.

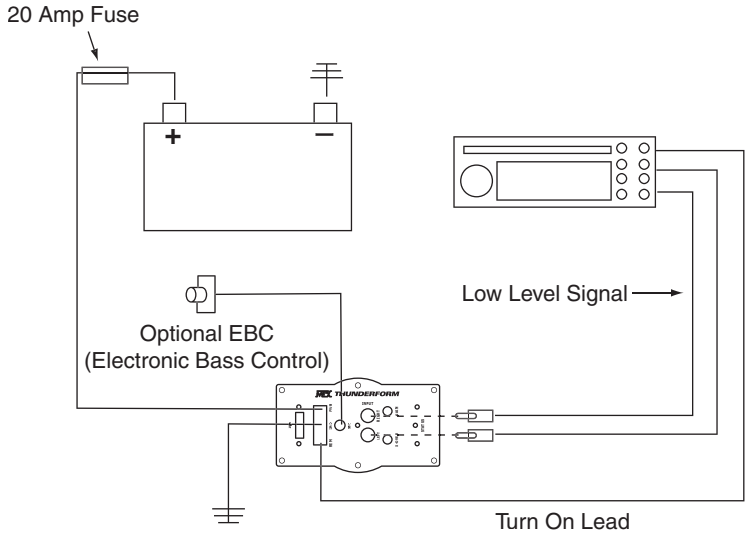
35. Reinstall push pins, seat belt and threshold trim.

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



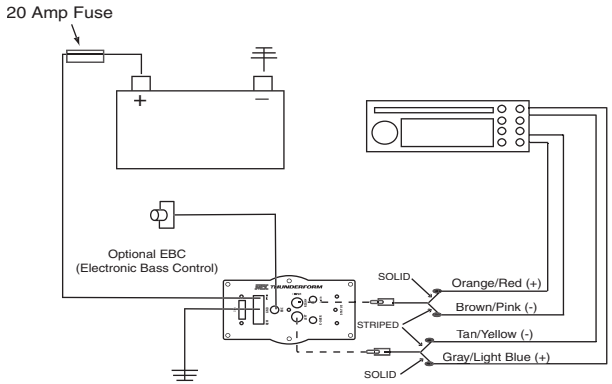
wire and run along the same path with 10ga red power wire over to the passenger side threshold trim and to the rear of vehicle to pre-amp.

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

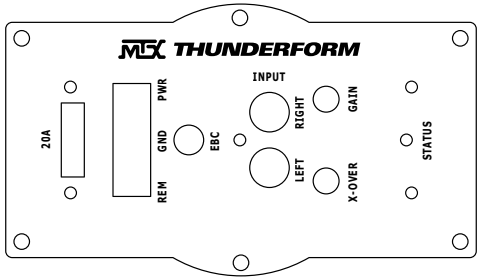
CONNECTION TO ENCLOSURE

28. 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.



29. Plug power harness into amplifier.



30. Replace 20amp fuse under hood.

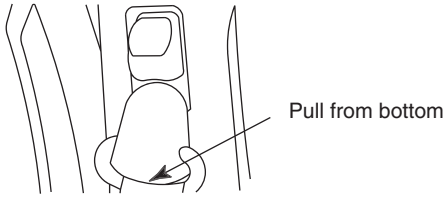
31. When amp turns on LED will display red during diagnostic mode and then to green, signaling amp is on and functioning (amp will only turn on when radio is on).

32. Adjust gain and crossover.

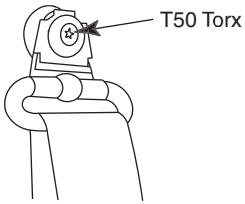
Setting Gain

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

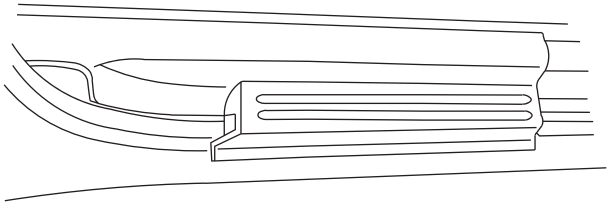
5. Unsnap and remove the safety belt bolt cover.



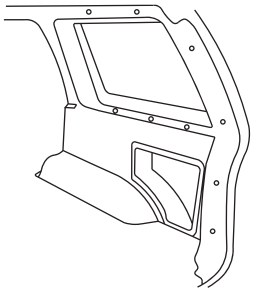
6. Remove the safety belt bolt.



7. Remove passenger side door sill trim. Held into place by three clips. Pull slowly from the front; it will unsnap easily.

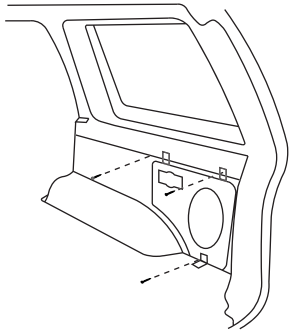


8. Use a panel pulling tool to pull out plastic push pins in quarter panel trim. Older models have phillips head screws holding this panel on, remove them. Pull panel free from vehicle (be careful, it's a large piece take your time it will probably catch at the front. Thread the rear safety belt through the opening in the quarter trim panel.



9. If vehicle was equipped with factory amplified subwoofer system remove three 11/32" bolts holding it into place. Unplug amplifier and remove enclosure.

10. Mount enclosure as shown below using the provided brackets.



11. To install grill into factory panel the cargo tray must be removed. Unsnap the nine white clips around the perimeter of the trim ring back. The trim ring along with the entire cargo tray assembly will come out the front. Retain the clips and tray you may want to replace it if you sell the vehicle.

12. Install grill furnished by MTX into the front of the panel into the location previously occupied by the trim ring. Using the 1/2” screws provided, screw grill from back through the factory slots in the panel.

13. 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 33 to finish installation.

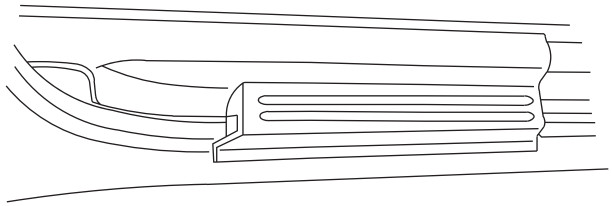
AMPLIFIED THUNDERFORM

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

14. Route 10ga red power wire from furnished wiring kit starting at pre-amp location after enclosure is mounted

15. Route power wire on passenger side under door threshold trim at rear door and around pillar trim between front and rear doors.

16. Remove passenger side front door threshold trim, pull up on trim it will remove easily. Route wire with factory wiring.

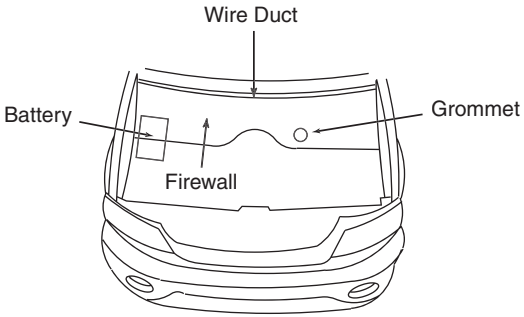


17. Remove passenger side kick panel, by pulling from bottom. Route wire around carpet and over to the console. Wire routes between fire wall and air ducts in front of console.

18. Route wire up from center of vehicle away from any interference to accelerator pedal.

19. Open hood; locate the factory grommet on the fire wall on the driver's side

just left of the brake master cylinder. It will be a black grommet about two inches in diameter. This pulls out very easily. Cut a small "X" in the center of the grommet to accept 10ga power wire. Reinstall grommet.



20. If grommet isn’t present drill a hole through the firewall. Locate a spot low on the firewall near the speedometer cable grommet. 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.

21. Route 10ga red power wire through grommet into the engine compartment.

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

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

24. Remove 20amp fuse from MTX fuse holder and connect ring terminal to positive side of battery. Lift the small tab on the factory battery terminal to allow rotation and removal of 8mm bolt. Pass 8mm bolt through factory battery terminal then ring terminal and into other side of factory battery terminal and retighten.

Note: When the battery is disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven 10 miles or more to relearn the strategy.

25. 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

26. Remove threshold trim on driver’s side; locate drivers side rear speaker wires in factory wiring bundle. Wiring colors are orange/red (positive) and brown/pink (negative). Tap into wires with supplied RCA High Level input wire and run along the same path with 10ga red power wire over to the passenger side threshold trim and to the rear of vehicle to pre-amp.

27. Remove threshold trim on passenger side; locate passenger side rear speaker wires in factory wiring bundle. Wiring colors are gray/light blue (positive) and tan/yellow (negative). Tap into wires with the supplied RCA High Level input