

SAFETY

CAUTION: Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.

PRACTICE SAFE SOUND™

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered auto sound systems may produce sound pressure levels well over 130dB. Use common sense and practice safe sound.

CARTON CONTENTS

- (1) Set T2 Series Speakers with Tweeters and 2-Way Crossover or (1) Set T2 Series Tweeters with HP Crossover
- (1) Set of grilles/trim rings
- (2) Sets of tweeter trim rings:
 - (1 set of polished aluminum)
 - (1 set of brushed aluminum)
- Tweeter Mounting Hardware with Surface, Angle, and Flush Mounts
- (1) Set Adapter Plates: T252-S (5"x7"/6"x9"), T2652-S (5"x7"/6"x9")

INSTALLATION CONSIDERATIONS

Before beginning any installation, follow these simple rules:

1. Be sure to carefully read and understand the instructions before attempting to install these speakers.
2. For safety, disconnect the negative lead from the battery prior to beginning the installation.
3. For easier assembly, we suggest you run all wires prior to mounting your speakers in place.
4. Use high quality connectors for a reliable installation and to minimize signal or power loss.
5. **Think before you drill!** Be careful not to cut or drill into gas tanks, fuel lines, brake or hydraulic lines, vacuum lines or electrical wiring when working on any vehicle. If installation in a boat, take care not to cut or drill through the main hull.
6. Never run wires underneath the vehicle. Running the wires inside the vehicle or hull area provides the best protection.
7. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.

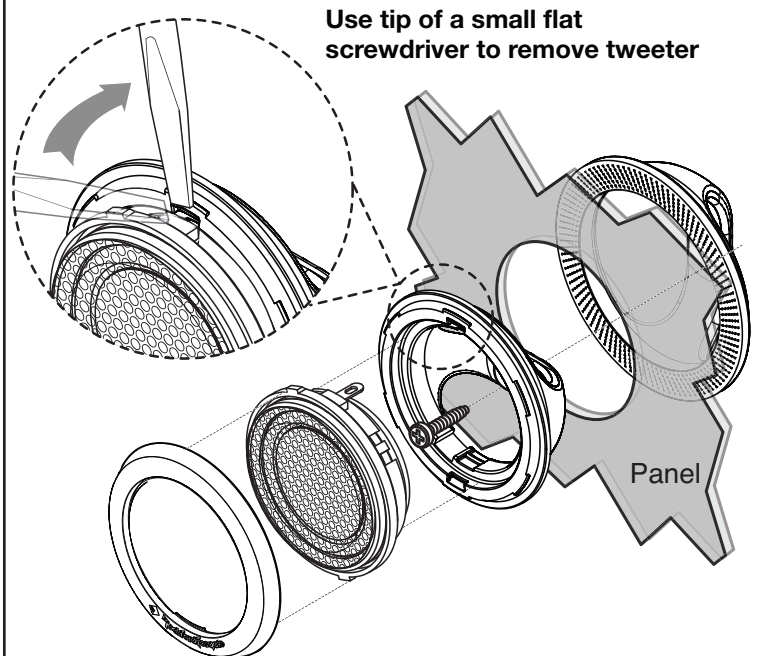
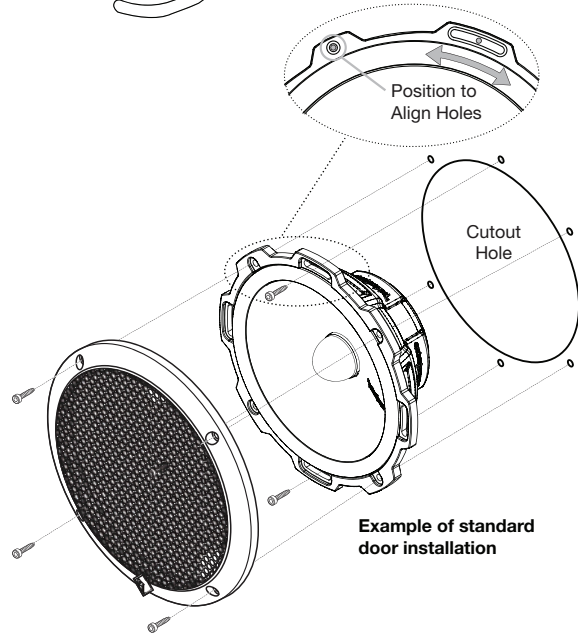
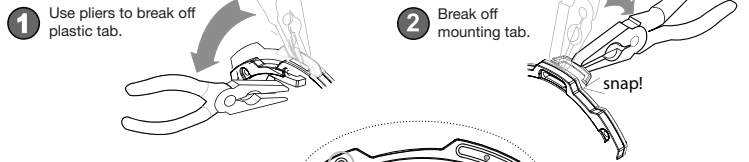
MOUNTING

1. Determine where the speakers will be mounted. Ensure an area large enough for the speaker to mount evenly. Be sure that the mounting location is deep enough for the speaker to fit; if mounting in a door, operate all functions (windows, locks, etc.) through their entire operating range to ensure there is no obstruction.
2. Refer to the specification chart to determine the proper diameter hole to cut for your speaker model. The template provided also gives the proper cutout size.
3. Mark the locations for the mounting screws. Drill the holes with a 1/8" bit.
4. Feed the speaker wires through the cutout and connect to the speaker terminals. Be sure to observe proper polarity when connecting the wires. The speaker's positive terminal is indicated with a "+".
5. On models with slotted holes, fit the speaker into the cutout and install the screws in the slots at the top and bottom. This will allow you to rotate the speaker to match the remaining mounting holes. When aligned, tighten the screws.
6. Tighten the screws until the speaker is snug in place to prevent rattling. Do not over tighten the screws.

NOTE: If needed, use the adapter plate provided to mount the speaker.
See Adapter Plate Templates at the end of this manual.

T252-S Only

Removing tabs for some installations



FEATURES

Discreet Dual Clamp (DDC™) Tweeter Mount

Every aspect of the new Tweeter design has been completely re-engineered to allow for maximum ease of installation and fitment. This optimized patent pending design provides concentric clamping pressure around the perimeter of the mounting hole.

The “mounting cups” are in fact not “cups” at all, but rather unobtrusive “clamps” that quickly and easily mount in a standard 1.75 inch (45mm) hole saw opening with a single center screw securing with balanced pressure to both faces of the mounting surface. From there, the tweeter simply snaps into place and is secured by a snap-on trim ring. Removal is easy if needed. The protective grille on the tweeter is non-removable and an integral part of the design.

WIRING

T2T-S Crossover Wiring

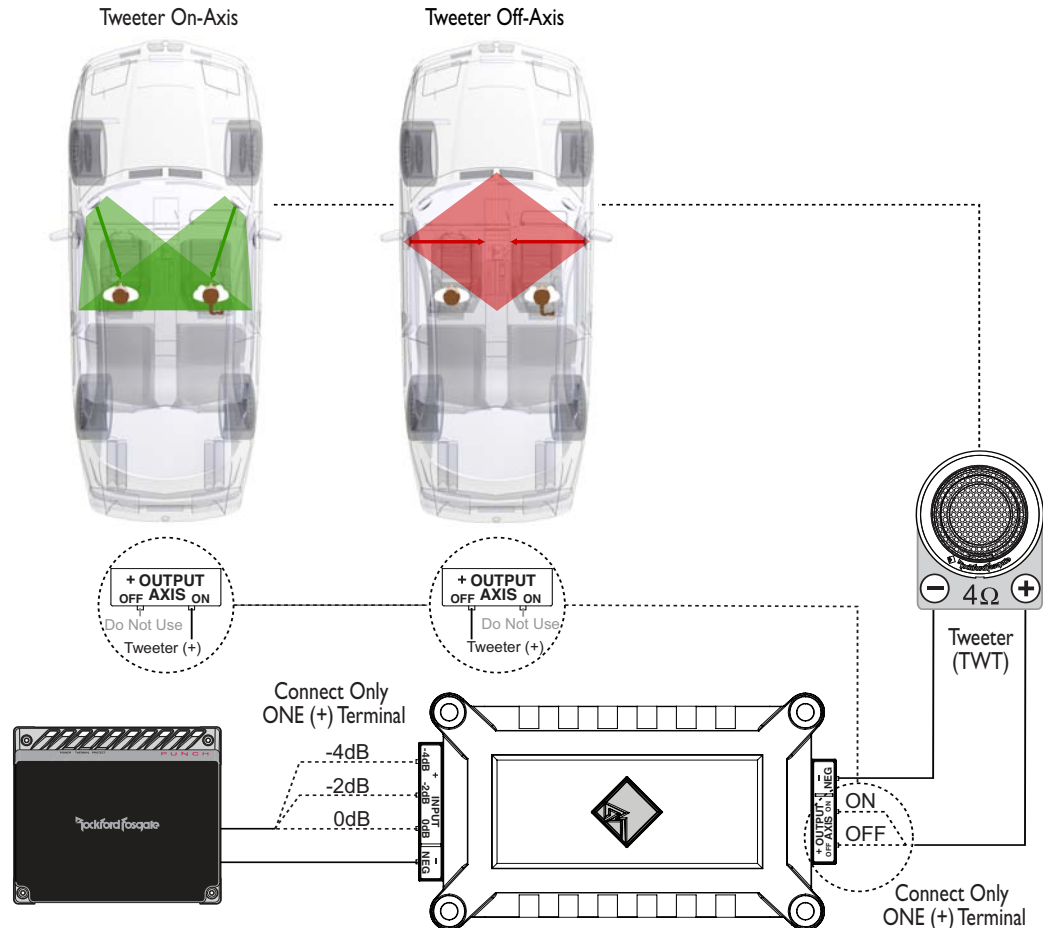
1. Use illustration for proper connection.
2. Be sure to maintain speaker polarity.
3. Connecting the positive wire to 0dB matches the amplitude of the tweeter to the mid-range (woofer).
4. Connecting positive wire to -2dB or -4dB to reduce the amplitude of the tweeter -2dB or -4dB lower than the mid-range, (ideal for tweeters located high in door panels and mid-range low in the kick panel).

SPECIFICATIONS

T2 Components	T252-S	T2652-S	T2T-S
Nominal Diameter - inch (mm)	5.25 (133)	6.5 (165)	1.0 (25.4)
Description	Component System	Component System	Tweeter System
Nominal Impedance (ohms)	4Ω	4Ω	4Ω
Frequency Response (Hz)	65Hz - 20kHz	55Hz - 22kHz	3kHz - 22kHz
Crossover Frequency (Hz)	3.5kHz	3kHz	3kHz
High-Pass Butterworth Crossover	18dB/octave	18dB/octave	18dB/octave
Low Pass Butterworth Crossover	12dB/octave	12dB/octave	-
Voice Coil Diameter - inch (mm)	1.1 (28)	1.2 (31)	1.0 (25.4)
Fs - Free Air Resonance (Hz)	65	55	1.8kHz
Qts	0.60	0.50	-
Vas - cu. ft. (Liter)	0.34 (9.6)	0.56 (16)	-
Xmax - inch (mm)	0.16 (4.0)	0.24 (6.0)	-
SPL (dB @ 1w/1m)	87 dB	89 dB	90 dB
Power Handling-Watts (RMS / Peak)	75 / 150	100 / 200	75 / 150
Rec. Amp Power-Watts (RMS)	22.5W ~ 75W	30W ~ 100W	22.5W ~ 75W
Mounting Diameter-inch (mm)	4.80 (122)	5.59 (142)	1.75 (45) (Flush Mount)
Mounting Depth-inch (mm)	2.03 (52)	2.51 (64)	0.95 (24) (Flush Mount)
Includes Grille/Trim Ring	YES	YES	YES
Trim Ring Diameter-inch (mm)	6.22 (158)	6.949 (177)	2.13 (54)
Trim Ring Height-inch (mm)	1.06 (27)	1.18 (30)	0.31 (8)
Includes Adapter Plate	5"x7" / 6"x9"	5"x7" / 6"x9"	NO

See figures on following pages.

Specifications subject to change without notice.



T252-S & T2652-S Component Wiring

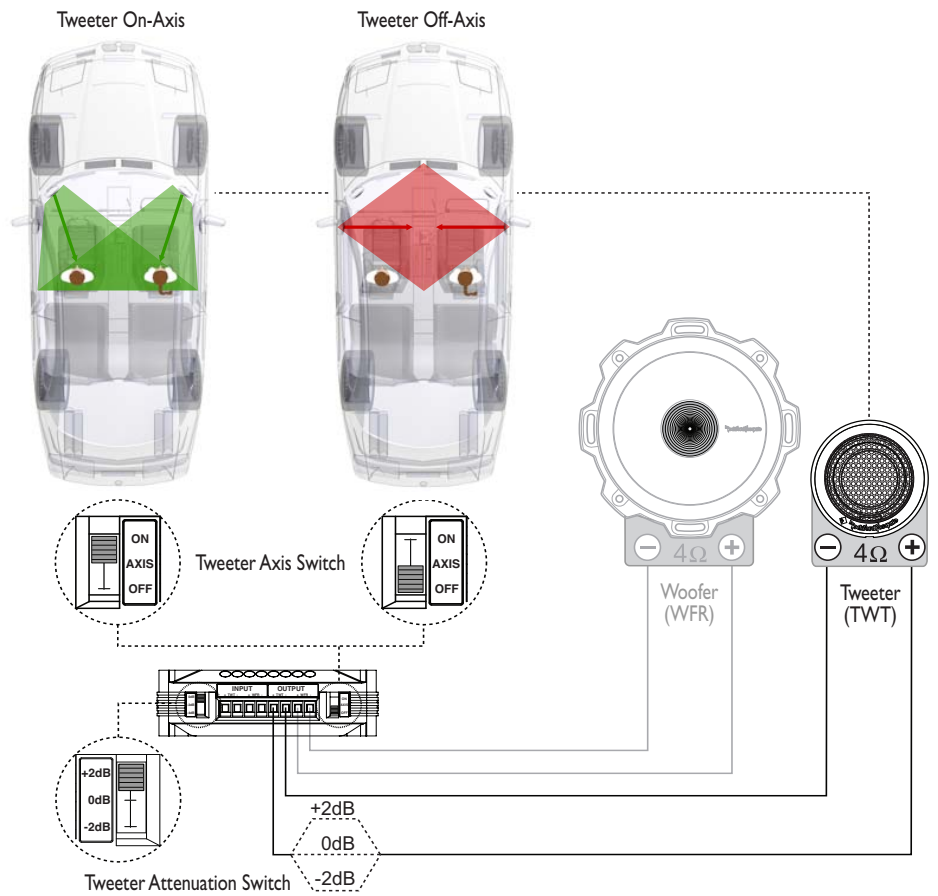
1. Use illustration for proper connection.
2. Be sure to maintain speaker polarity.

Axis ON-OFF Switch

1. Set to ON or OFF to match position of tweeter relative to listener. Default OFF position satisfies most installations.

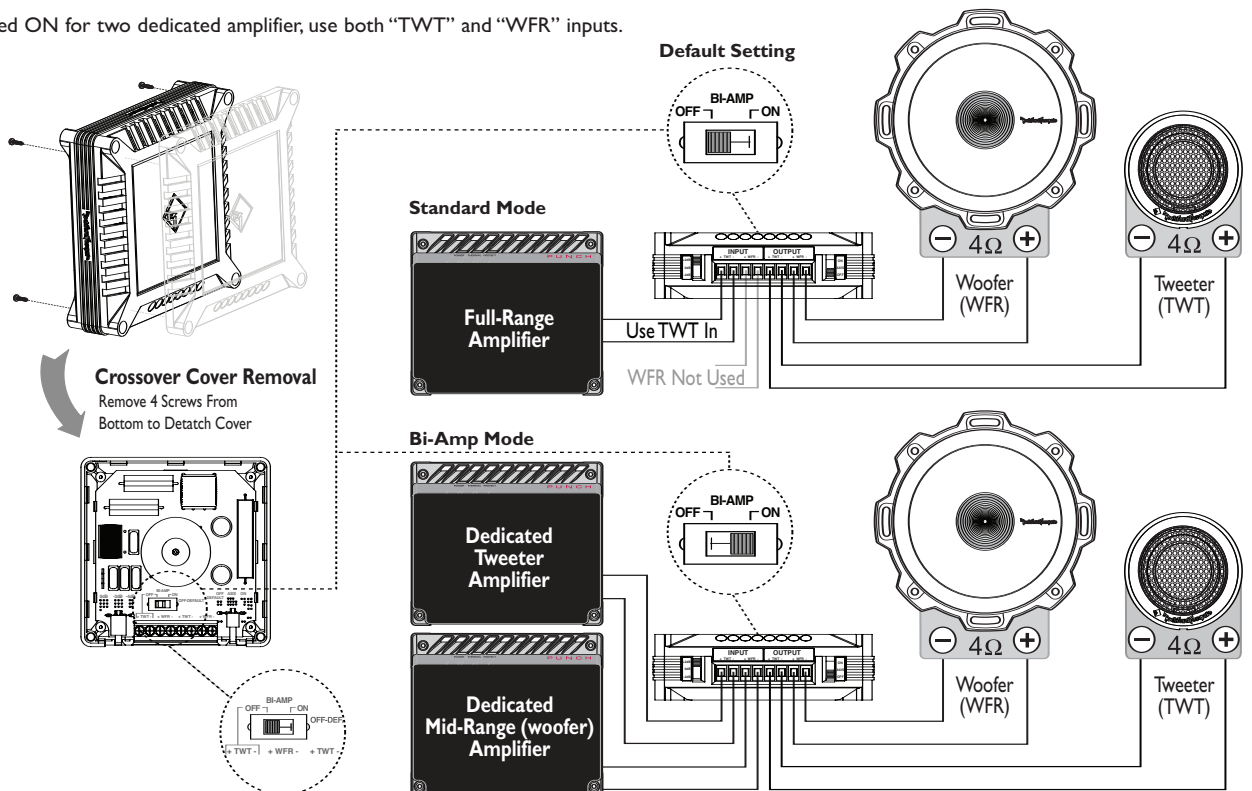
dB Switch

1. 0dB matches the amplitude (no increase/no attenuation) of the tweeter to the same level as the mid-range (woofer).
2. +2dB increases and -2dB reduces the amplitude of tweeter in relation to the mid-range, (ideal when matching offset installation like tweeters located high in door panels and midranges low in kick panels).



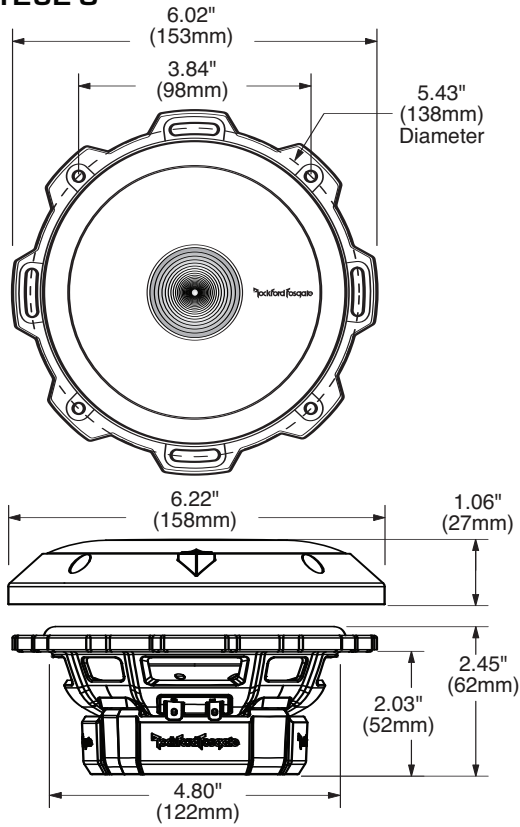
T252-S & T2652-S Bi-Amp Crossover Wiring

1. Use illustration for proper connection and be sure to maintain speaker polarity.
2. Remove 4 screws from crossover bottom to detach cover.
3. When BI-AMP switched OFF for one amplifier, use only "TWT" input.
4. When BI-AMP switched ON for two dedicated amplifier, use both "TWT" and "WFR" inputs.

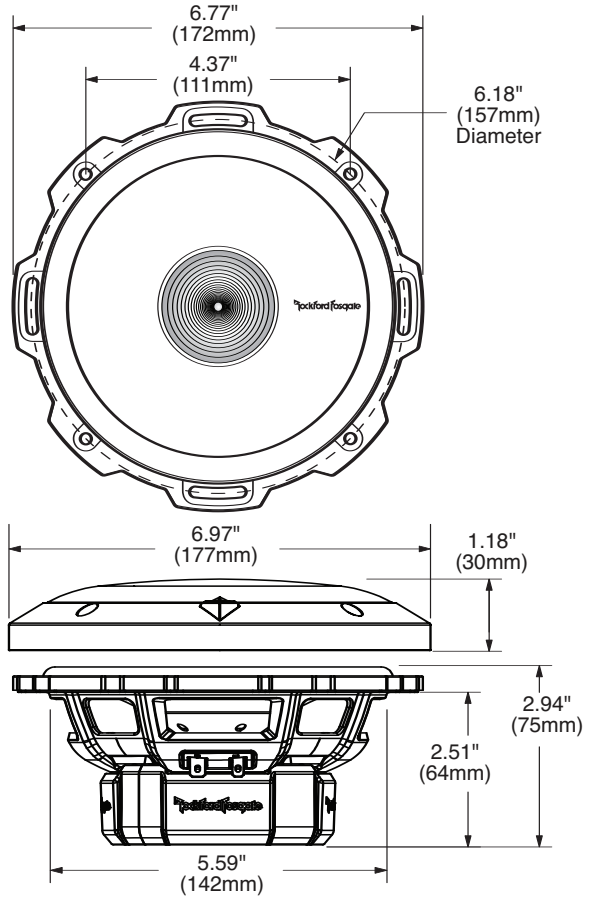


SPECIFICATIONS

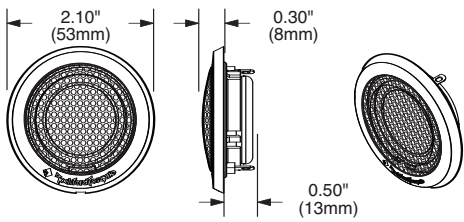
T252-S



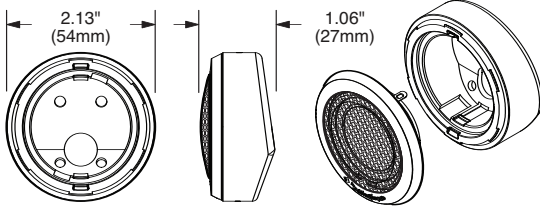
T2652-S



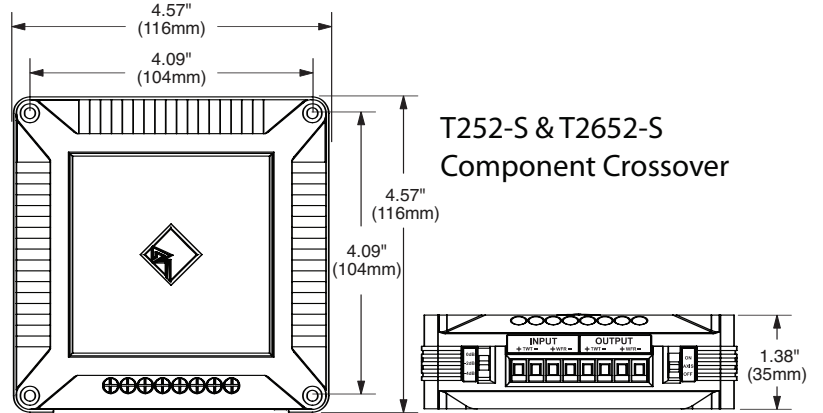
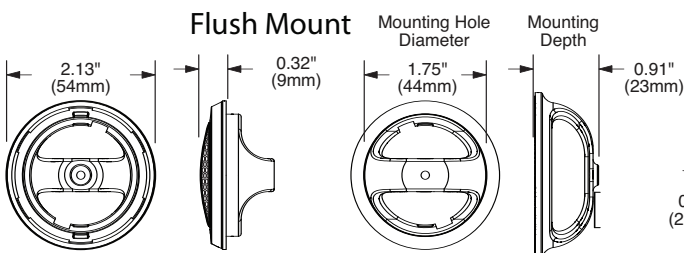
Tweeter



Surface Mount

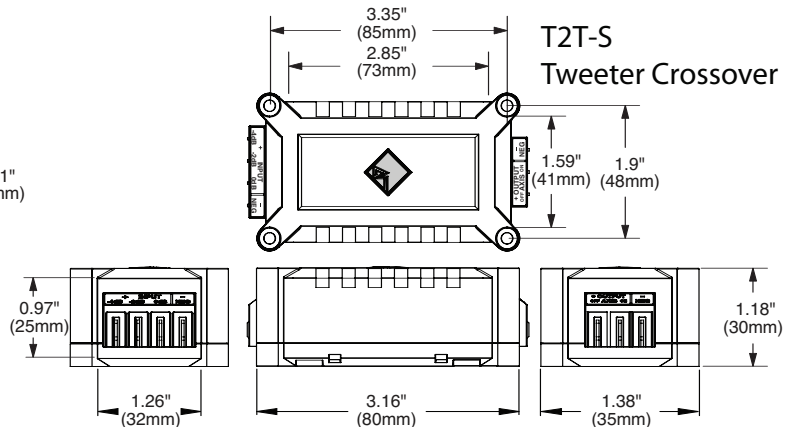


Flush Mount



T2T-S

Tweeter Crossover



Specifications subject to change without notice.

Français

Câblage du filtre T2T-S

1. Voir le branchement correct sur l'illustration.
2. Veillez à maintenir la polarité du haut-parleur.
3. Le branchement du fil positif à la borne 0 dB accorde l'amplitude du tweeter sur celle du haut-parleur.
4. Le branchement du fil positif à la borne -2 dB ou -4 dB réduit l'amplitude du tweeter de -2 ou -4 dB par rapport à celle du haut-parleur de médium (idéal lorsque les tweeters sont situés en haut des panneaux de porte et les haut-parleurs de médium dans les panneaux de seuil).

T252-S & T2652-S composants de câblage

1. Utiliser l'illustration pour une bonne connexion.
2. Assurez-vous de maintenir orateur polarité.

Axis ON-OFF

1. Réglé sur ON ou OFF match à la position relative de tweeter à l'auditeur. Par défaut OFF satisfait la plupart des installations.

Switch dB

1. 0dB correspond à l'amplitude (pas d'augmentation / sans atténuation) des le tweeter au même niveau que le milieu de gamme (woofer).
2. +2dB augmente -2dB et réduit l'amplitude de tweeter en rapport à la moyenne gamme, (idéal pour adapter l'installation offset comme les tweeters situé en haut des panneaux de porte et Midranges faible en kick panneaux).

T252-S & T2652-S Bi-Amp Coscover câblage

1. Utiliser l'illustration pour la connexion et assurez-vous de maintenir orateur polarité.
2. Suppression de 4 vis de liaison à bas detach couverture.
3. BI-AMP Lorsque l'arrêt d'un amplificateur, utilisez uniquement "TWT" input.
4. Lorsque BI-AMP tension pour deux dédiés amplificateur; utiliser les deux "TWT" et "WFR" inputs.

Español

Cableado del cruce del T2T-S

1. Utilice la ilustración para hacer una conexión correcta.
2. Asegúrese de mantener la polaridad del altavoz.
3. Conectar el cable positivo a 0dB hace que coincida la amplitud del tweeter con el altavoz.
4. Conectar el cable positivo a -2dB o -4dB reduce la amplitud del tweeter -2dB o -4dB menos que la gama de medias, (ideal para tweeters situados altos en paneles de puertas y de frecuencias medias sitiados bajos en la placa de defensa).

T252-S & T2652-S Componente de cableado

1. Utilice la ilustración para una correcta conexión.
2. Asegúrese de mantener la polaridad de los altavoces.

Eje de encendido y apagado

1. En ON u OFF para que coincida con la posición de los tweeter en relación con el oyente. Por defecto posición OFF cumple la mayoría de las instalaciones.

dB

1. Coincide con la amplitud 0dB (sin aumento o no de atenuación), de el tweeter en el mismo nivel que los de gama media (woofer).
2. +2B de aumento y -2dB reduce la amplitud de los tweeter en relación con la gama media, (ideal cuando se pongan en venta compensar la instalación tweeters de alta como situado en los paneles de puerta y en el tiro bajo midranges paneles).

T252-S & T2652-S Bi-Amp Coscover de cableado

1. Utilice la ilustración para la correcta conexión y asegúrese de mantener la polaridad de los altavoces.
2. Retire los 4 tornillos de la parte inferior de cruce detach a cubrir.
3. Cuando BI-AMP apagado de un amplificador, utilice sólo "TWT" de entrada.
4. Cuando BI-AMP encendido durante dos dedicados amplificador, use tanto "TWT" y "WFR" insumos.

Deutsch

T2T-S Crossover-Verkabelung

1. Zum ordnungsgemäßen Anschließen die Illustration benutzen.
2. Dabei die Lautsprecherpolarität beachten.
3. Das Anschließen des positiven Drahts an 0 dB stimmt die Amplitude des Hochtöners auf den Lautsprecher ab.
4. Das Anschließen des positiven Drahts an -2dB oder -4dB reduziert die Amplitude des Hochtöners auf -2dB oder -4dB niedriger als den Mitteltöner (ideal für Hochtöner, die sich hoch in Türpaneelen befinden, und Mitteltöner, die sich tief im Fußpaneel befinden).

T252-S & T2652-S Komponente Verdrahtung

1. Verwenden Sie für die richtige Verbindung Illustration.
2. Stellen Sie sicher, dass die Aufrechterhaltung Lautsprecher Polarität.

Axis ON-OFF-Schalter

1. Auf ON oder OFF, um Position der Hochtöner relativ zum Hörer. Standard-OFF-Position entspricht den meisten Installationen.

dB-Schalter

1. Mit der Amplitude 0 dB (keine Zunahme / keine Dämpfung) von der Hochtöner auf der gleichen Ebene wie die Mid-Range-(TT).
2. +2dB -2dB erhöht und verringert die Amplitude der Hochtöner in Bezug auf die Mid-Range-, (ideal, wenn Offset-Installation Hochtöner hoch wie in Türverkleidungen und Mitteltöner gering Kick Platten).

T252-S & T2652-S Bi-Amp Coscover Verdrahtung

1. Verwenden Sie für die richtige Verbindung Illustration und vergewissern Sie sich, um Lautsprecher Polarität.
2. Nehmen Sie 4 Schrauben von unten nach Crossover detach decken.
3. Bei der Bi-Amp ausgeschaltet für einen Verstärker, verwenden Sie nur "TWT" Input.
4. Bei der Bi-Amp eingeschaltet für zwei spezielle Verstärker; sowohl "TWT" und "WFR" Eingänge.

Italiano

Impianto di crossover del T2T-S

1. Per il collegamento corretto riferirsi all'illustrazione.
2. Accertarsi di mantenere la polarità del diffusore.
3. Il collegamento del filo del positivo a 0dB fa corrispondere l'ampiezza del tweeter al diffusore.
4. Il collegamento del filo del positivo a -2dB o -4dB riduce l'ampiezza del tweeter di -2dB o -4dB al disotto del midrange (particolarmente indicato per tweeter posti in alto nei pannelli della portiera e per midrange posti in basso nel kick panel).

T252-S & T2652-S Componente Cablaggio

1. Usa illustrazione per la corretta connessione.
2. Ricordati di mantenere la polarità dei diffusori.

Asse ON-OFF

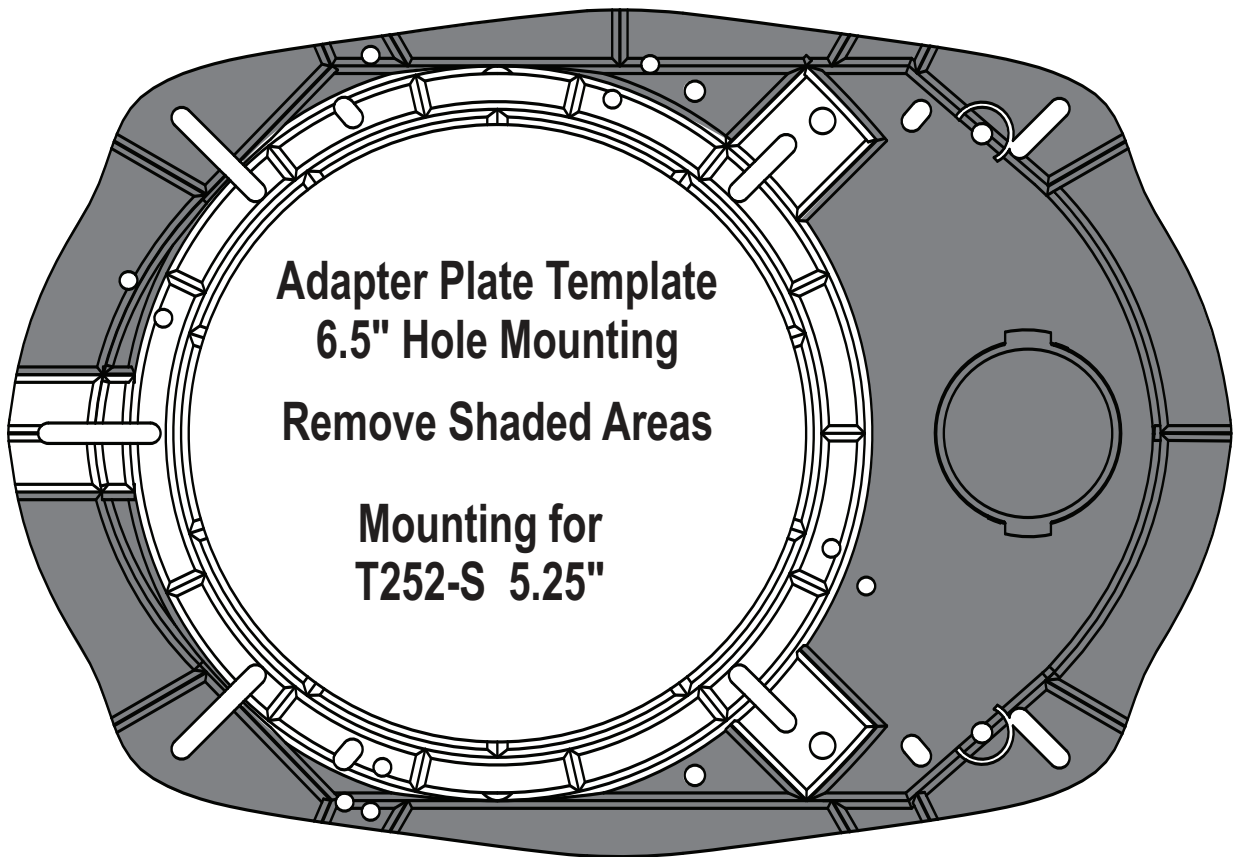
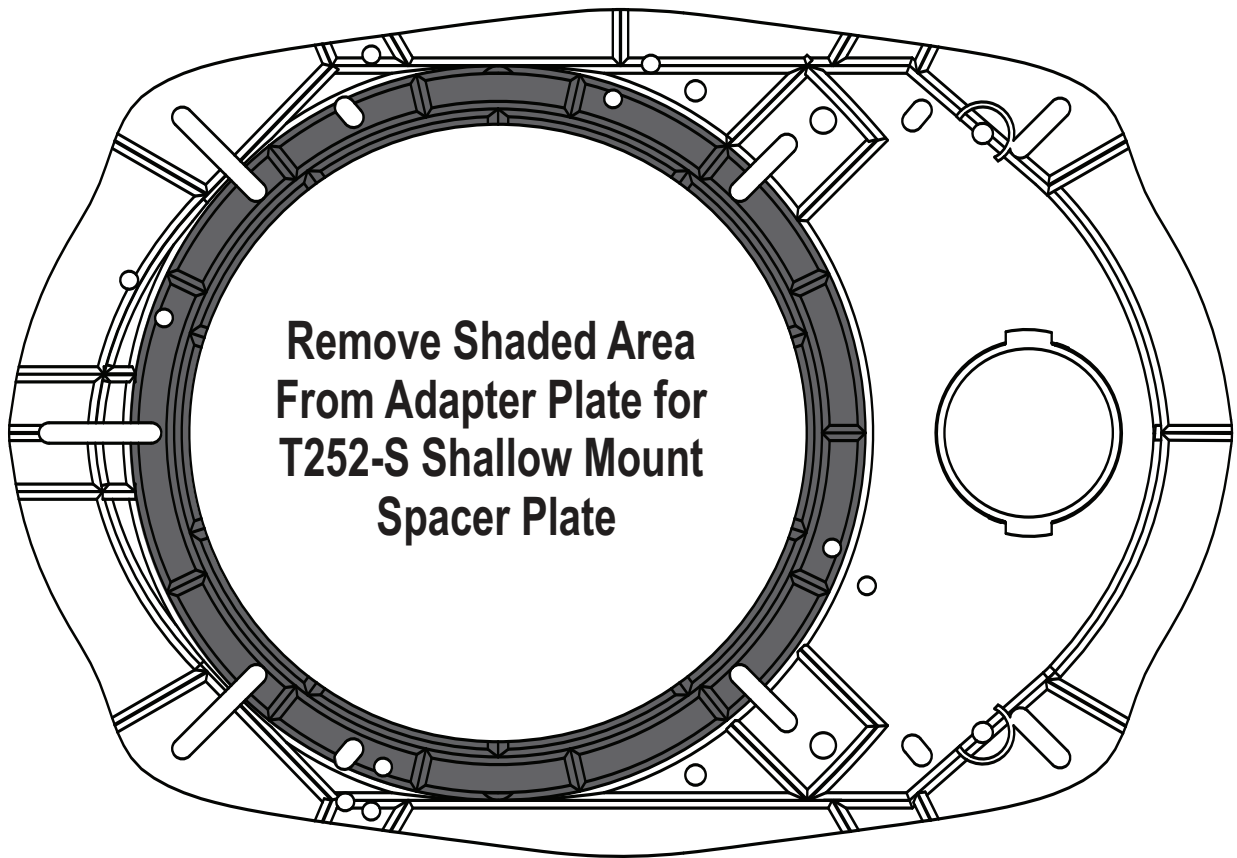
1. Impostato su ON o OFF per corrispondenza di posizione rispetto al tweeter ascolatore. Default OFF posizione soddisfa la maggior parte degli impianti.

dB

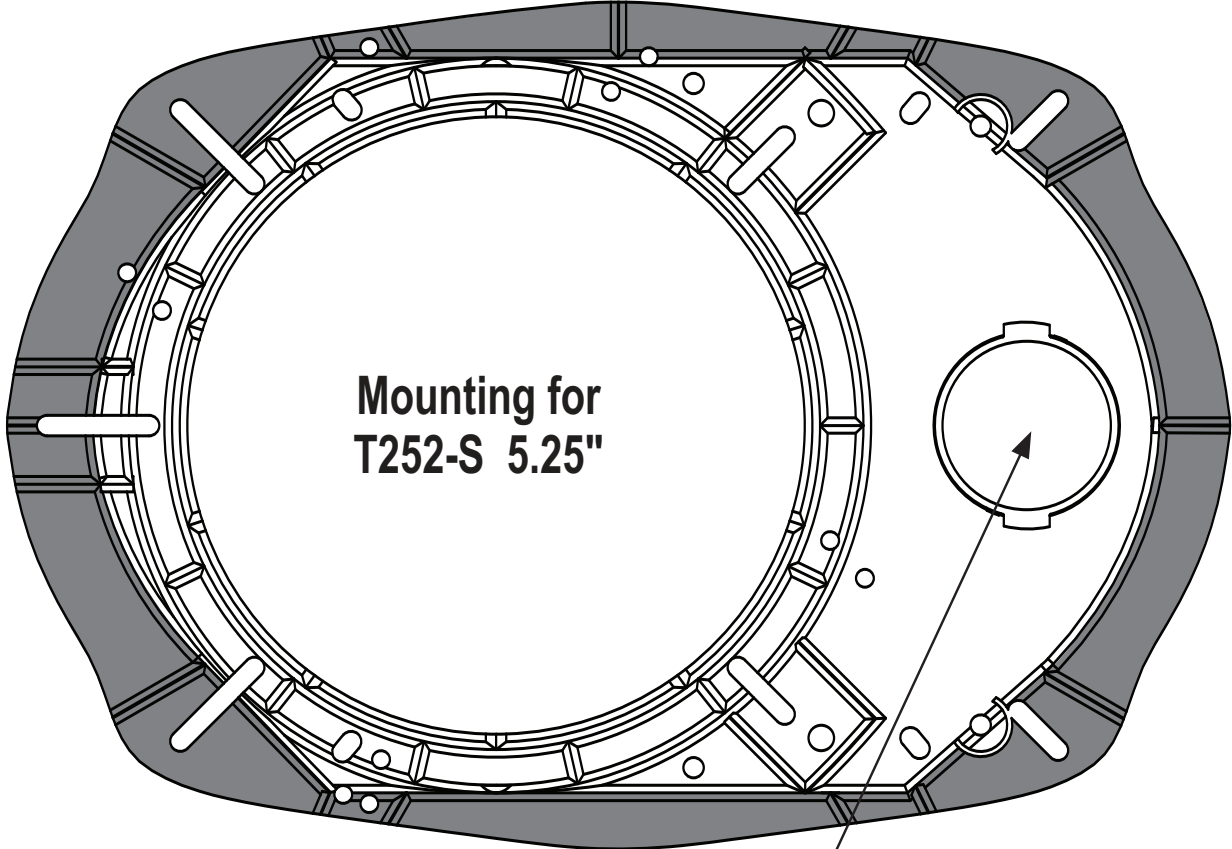
1. 0dB corrisponde l'ampiezza (nessun aumento / no attenuazione) di il tweeter è allo stesso livello, come il mid-range (woofer).
2. +2dB aumenta -2dB e riduce l'ampiezza del tweeter nella rispetto al mid-range, (ideale quando corrispondenti compensare l'installazione come tweeter situato in alto pannelli porta e midrange a basso contenuto di calcio pannelli).

T252-S & T2652-S Bi-Amp Wiring Coscover

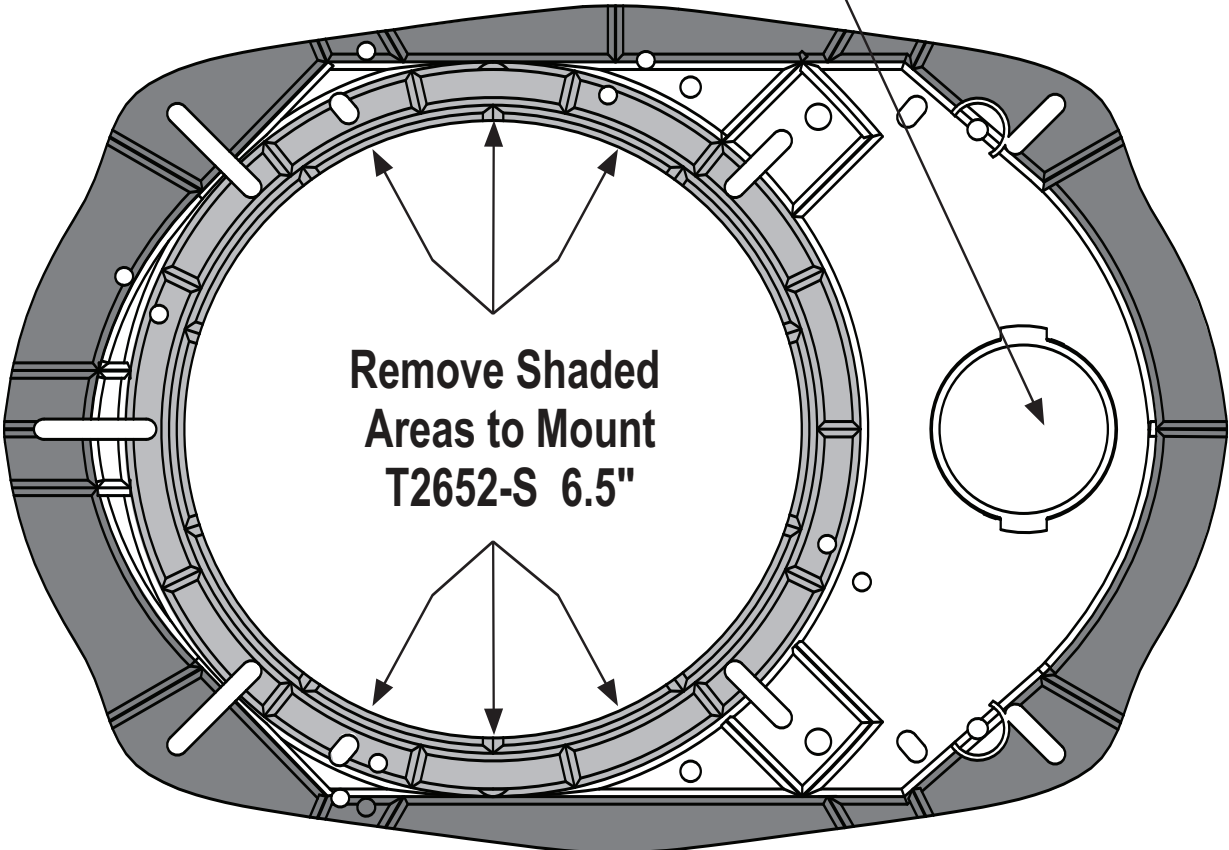
1. Usa illustrazione per la corretta connessione ed essere certi di mantenere la polarità dei diffusori.
2. 4 Rimuovere le viti dal fondo di crossover detach copertina.
3. Quando BI-AMP spento per un amplificatore, utilizzare solo "TWT" input.
4. Quando BI-AMP attivata per due amplificatore dedicato, l'uso sia "TWT" e "WFR" ingressi.



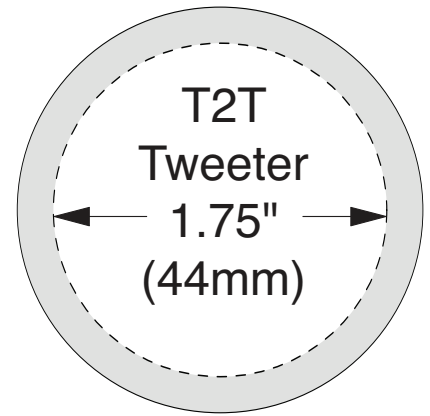
For 5"x7" Hole Mounting - Remove Dark Shaded Areas



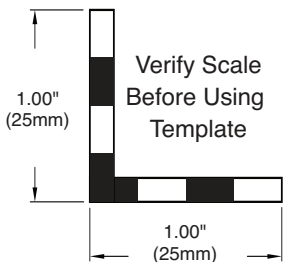
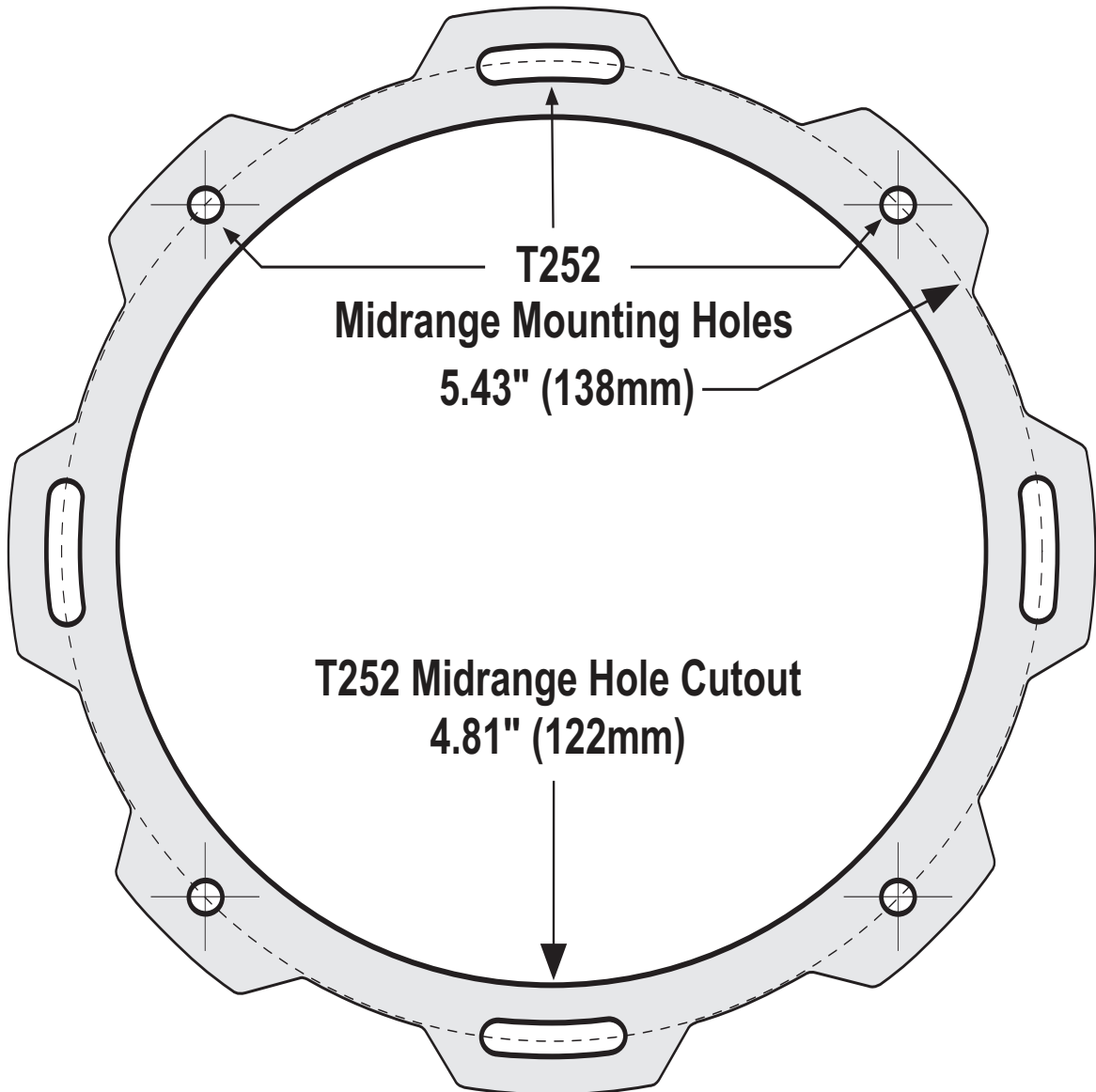
Remove For Tweeter



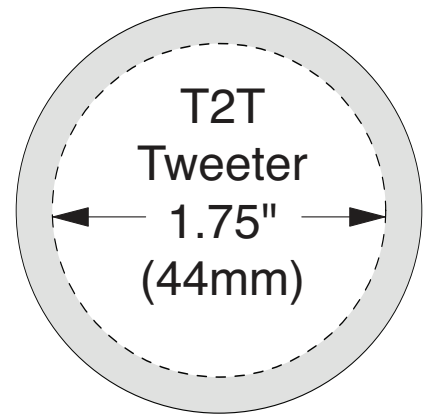
T252-S Component System



Mounting Template



T2652-S Component System



Mounting Template

