



**MOTOR TRIKE**<sup>®</sup>  
I N C O R P O R A T E D



**MOTOR TRIKE FENDER BRA AND  
AQUA SHIELD/TRAX BRA  
INSTALLATION INSTRUCTIONS**  
LAST UPDATED: JUNE 2013

Thank you for choosing the Motor Trike Fender Bras. The bras are not only designed to look good, they help protect the front side of your Trike fenders from bugs and rock chips. It is important that you follow these instructions very closely. Doing so will save you time and ensure that the customer's experience with Motor Trike's product is a positive one.

**We strongly suggest that you read the complete instructions before beginning the installation process to eliminate the possibility of performing unnecessary work.**

**If you do not have the proper tools to do this installation, DO NOT ATTEMPT TO PERFORM THE INSTALLATION.**

Having a safe and clean environment and using the proper tools is essential for a successful installation. You must have the ability to secure the motorcycle to prevent the bike from moving or falling during the installation. We strongly recommend the use of a motorcycle lift manufactured by Handy Industries. It allows you to lift the bike to a comfortable work level while maintaining a safe and stable environment. In addition to a lift, we recommend having a front tire clamp and center stand to support the bike under the center section of the frame.

**Failure to secure the vehicle during installation could result in injury up to and including death.**

**It is critical that proper eye wear, ear protection, and protective clothing is worn throughout the trike installation.**

When you receive your product, please check to ensure that all parts and hardware are included. If there are any parts missing or if you have any questions concerning the kit at this time call Motor Trike at 1-800-90TRIKE (800-908-7453) Mon-Fri 8am-5pm CST. Or you can email us at [INFO@MOTORTRIKE.COM](mailto:INFO@MOTORTRIKE.COM)

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## **SECTION 1 – Materials Supplied**

TABLE 1 lists the parts supplied with the purchase of the fender bras. Before beginning the installation, take the time to make sure all items listed are contained in the kit.

**TABLE 1: SUPPLIED PARTS LIST**

<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
1	SEE PRICE SHEET*	FENDER BRAS (PAIR)
1	SEE PRICE SHEET*	AQUA SHIELD/TRAX BRAS (PAIR)
*Part numbers vary according to trike model, embroidery, and color		

<b>QTY</b>	<b>STANDARD HARDWARE</b>
8	BUTTON SNAPS
8	1/8" BLIND (POP) RIVETS 0.462" LONG (NOT SUPPLIED)

## **SECTION 2 – Tools Required**

- Blind (pop) rivet tool (with 8 blind rivets)
- Drill and drill bits
- 2" Wide masking tape

## **SECTION 3 – Installation Instructions-Fender Bras**

Before fender bra installation, the body must be located and completely installed on the trike. A correct fender bra installation consists of proper snap placement to ensure the bra seams follow the fender lines and that the bra covers the bottom edge of the fender for protection, as shown in FIGURE 1. These instructions give a procedure for proper snap placement.



**FIGURE 1: INSTALLATION FEATURES OF THE FENDER BRAS**

There are two opposite fender bras included in the kit. FIGURE 2 shows the bra orientation as if sitting on the bike, i.e. left side = shift side, right side = throttle side. The procedure for installation of each bra is the same.



**FIGURE 2: FENDER BRA ORIENTATION**

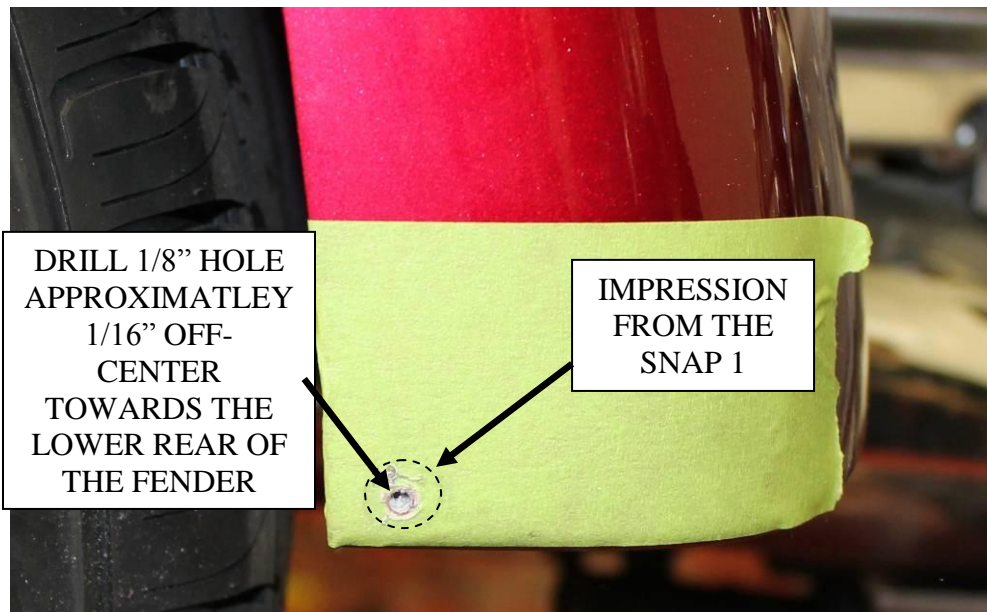
1. Locate snap 1 (lower outboard snap) by first placing a piece of masking tape in the location shown in FIGURE 3. Then align the fender bra such that the seams and bottom edge follow the fender as shown in FIGURE 1 above. Holding the bra taut in place, press snap 1 firmly down to make an outline impression in the masking tape.





**FIGURE 3: LOCATING SNAP #1**

2. Drill a 1/8" hole through the fender approximately 1/16" lower and to the rear of the snap impression center, as outlined in FIGURE 4. This will help stretch the bra tight when installed. Once the hole is drilled, remove the tape and install a male snap using a blind rivet through the drilled hole, as shown in FIGURE 5.

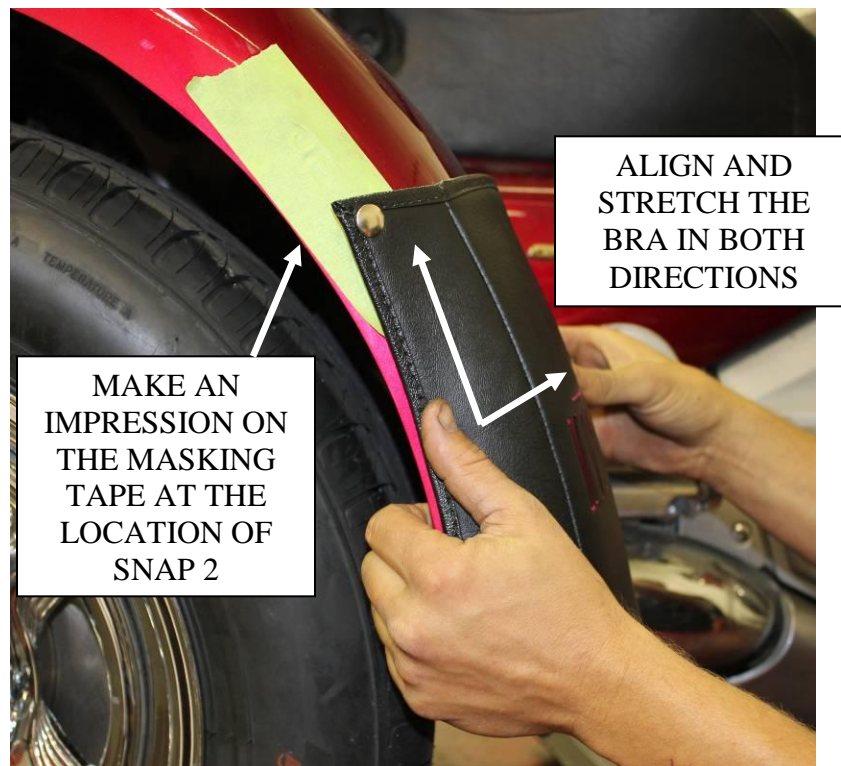


**FIGURE 4: LOCATING AND DRILLING SNAP 1**



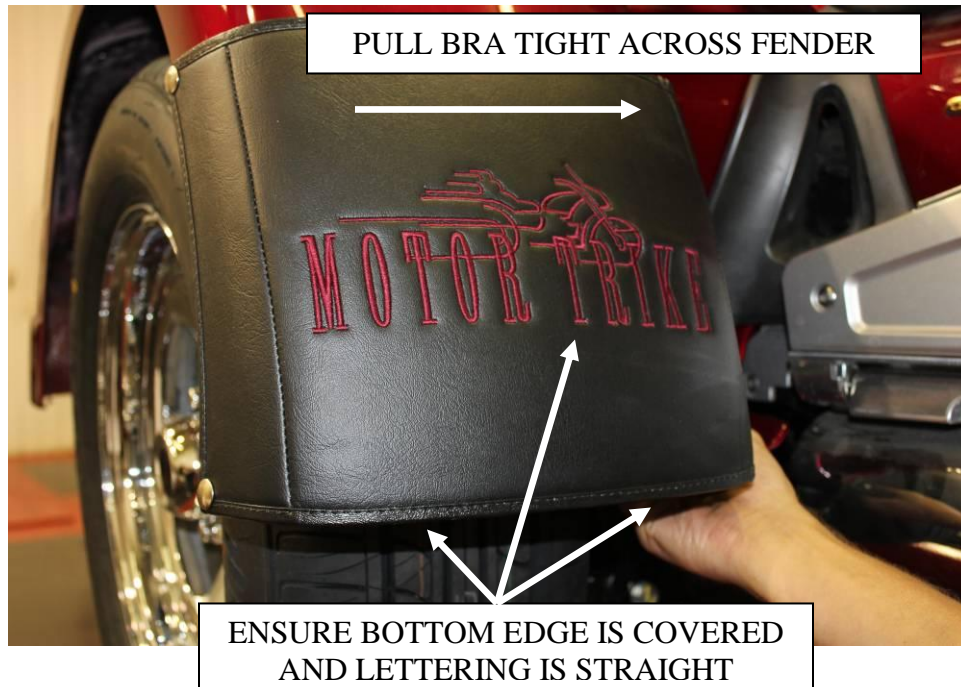
**FIGURE 5: SNAP 1 INSTALLED ON FENDER**

3. Next, place a piece of tape in the approximate location of snap 2 (upper outboard snap), as shown in FIGURE 6. Snap the bra into snap 1 and align into position. While maintaining the position, stretch the bra tight across and up the fender, and firmly press down on snap 2 to make an outline impression in the masking tape.



**FIGURE 6: LOCATING SNAP 2**

4. Move the bra and drill a 1/8" hole approximately 1/16" higher and rear of the impression center for snap 2. Again, this helps to pull the bra tight when installed. Once the hole is drilled, remove the tape and install a male snap using a blind rivet through the drilled hole.
5. Next, place masking tape at the approximate location for snap 3 (lower inboard snap). With the bra installed on snaps 1 and 2, pull the bra taut across the fender and firmly press snap 3 to make an outline impression on the masking tape. Ensure at this location the bra covers the front bottom edge of the fender without excessive overhang, as shown in FIGURE 7.



**FIGURE 7: LOCATING SNAP 3**

6. Move the bra and drill a 1/8" hole (a right angle drill might be necessary) approximately 1/16" lower and rear of the impression center. Install the male snap with a blind rivet through the drilled hole.
7. Finally, place masking tape in the approximate location of snap 4, as shown in FIGURE 8. With the bra installed in snaps 1, 2 and 3, pull the bra tight and make an impression in the masking tape at the location of snap 4. Ensure that at this location the fender bra will be aligned correctly in all areas shown in FIGURE 1 above.



**FIGURE 8: LOCATING SNAP 4**

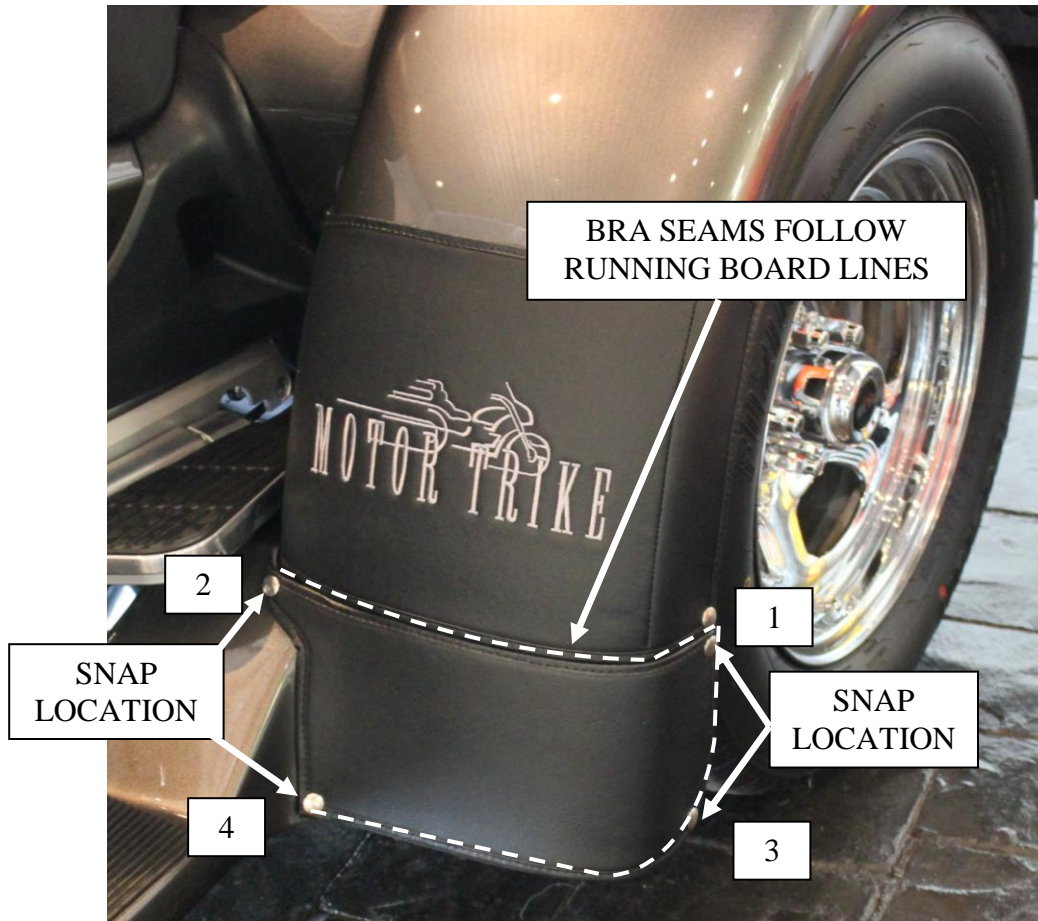
8. Move the bra and drill a 1/8" hole approximately 1/16" higher and rear of the impression center. Install the male snap with a blind rivet through the drilled hole.
9. Install the fender bra on all four snaps ensuring it aligns correctly and fits snug, as in FIGURE 9. Installation for the left side fender bra is the same, always starting with snap 1 as the lower outboard location. Installation is complete.



**FIGURE 9: COMPLETE INSTALLATION**

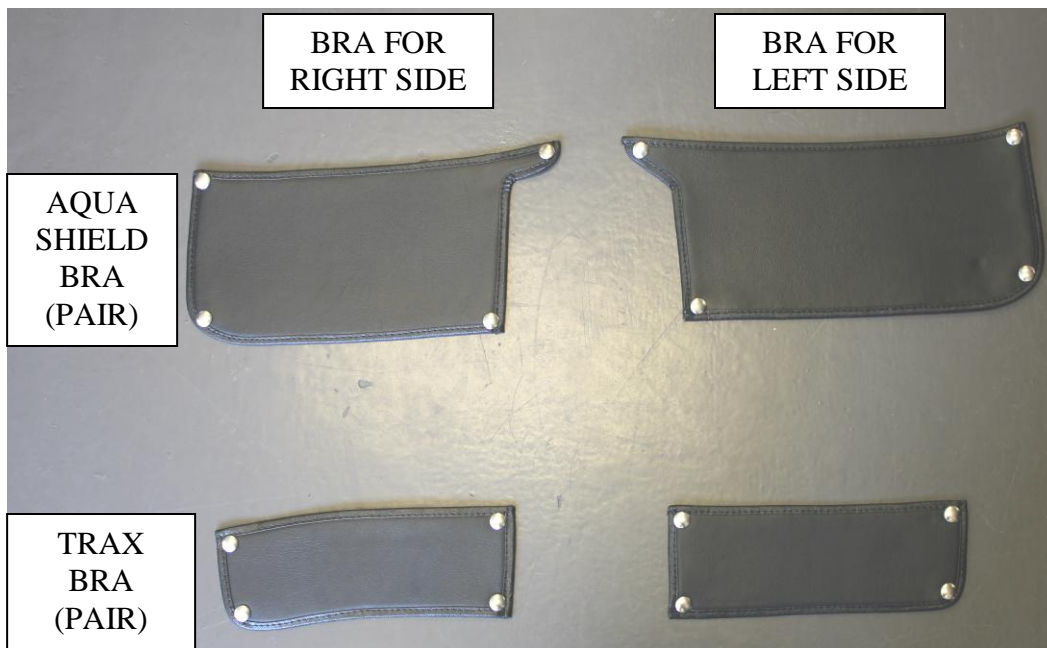
## **SECTION 4 – Installation Instructions-Aqua Shield/Trax Bras**

Before bra installation, the Aqua Shields/Trax must be located and completely installed on the trike. The procedure of the Aqua Shield/Trax bra installation is very similar to the fender bra installation, and consists of proper snap placement to ensure the bra seams follow the running board edges, as shown in FIGURE 10. These instructions give a procedure for proper snap placement.



**FIGURE 10: CORRECT INSTALLATION OF AQUA SHIELD BRA**

There are two opposite bras included in the kit. FIGURE 11 shows the bra orientation as if sitting on the bike, i.e. left side =shift side, right side=throttle side. The procedure for installation of each bra is the same.



**FIGURE 11: AQUA SHIELD/TRAX BRA ORIENTATION**

1. As with the prior fender bra installation instructions, locate snap 1 (upper outboard snap) by first placing a piece of masking tape in the approximate location. Then align the bra such that the top edge follows the edge of the Aqua Shield/Trax as shown in FIGURE 10 above. Holding the bra taut in place, press snap 1 firmly down to make an outline impression in the masking tape (similar to that shown in FIGURE 4 above).
2. Drill a 1/8" hole through the fender approximately 1/16" higher and to the rear of the snap impression center. This will help stretch the bra tight when installed. Once the hole is drilled, remove the tape and install a male snap using a blind rivet through the drilled hole, in the same manner as FIGURE 5 above.
3. Next, place a piece of tape in the approximate location of snap 2 (upper inboard snap). Snap the bra into snap 1 and align into position. While maintaining the position, stretch the bra across the running board, and firmly press down on snap 2 to make an outline impression in the masking tape. Ensure at this location the bra covers the top edge of the running board without excessive overhang, as shown in FIGURE 12.



**FIGURE 12: LOCATING SNAP 2**

4. Move the bra and drill a 1/8" hole approximately 1/16" higher and rear of the impression center for snap 2. Again, this helps to pull the bra tight when installed. Once the hole is drilled, remove the tape and install a male snap using a blind rivet through the drilled hole.
5. Next, place masking tape at the approximate location for snap 3 (lower outboard snap). With the bra installed on snaps 1 and 2, pull the bra taut down the running board and firmly press snap 3 to make an outline impression on the masking tape.
6. Move the bra and drill a 1/8" hole approximately 1/16" lower and rear of the impression center for snap 3. Remove the masking tape and install a male snap with a blind rivet through the drilled hole.
7. Finally, place masking tape in the approximate location of snap 4. With the bra installed on snaps 1, 2 and 3, pull the bra tight and make an impression in the masking tape at the location of snap 4. Ensure that at this location the bra will be aligned correctly and tight.
8. Move the bra and drill a 1/8" hole approximately 1/16" lower and inboard of the impression center for snap 4. Remove the tape and install the male snap with a blind rivet through the drilled hole.



9. Install the bra on all four snaps ensuring it aligns correctly and fits snug, as in FIGURE 10 above. Installation for the opposite side Aqua Shield/Trax bra is the same, always starting with snap 1 as the upper outboard location. Installation is complete.

Thank you for choosing the Motor Trike fender bras. For questions or concerns contact:

**1-800-908-7453** Mon-Fri 8am-5pm CST or you can email us at [tech@motortrike.com](mailto:tech@motortrike.com)