

FRONT TWIST & LOCK AERO COVERS INSTALLATION GUIDE



ROAD CHOICE®

Note: This Twist & Lock Mounting System is designed for front wheels with 10 - 33mm lug nuts and 285.75mm bolt circle.

BEFORE INSTALLATION

Inspection: Before installation, inspect all parts for shipping damage. If any of the parts appear damaged or questionable, **DO NOT INSTALL!** Contact your dealer or our facility for a replacement part or assistance. Once a product is installed, it cannot be returned because of shipping damage.

Cleaning: Before installing Aero Covers, clean axle nuts and studs, especially the excess thread of the axle stud.

Important: Read and understand all installation instructions prior to installation. If any part of the instruction seems unclear, contact our office for assistance.

TOOLS NEEDED

½" Ratchet with 1 ¼" Socket
or 1 ¼" Wrench

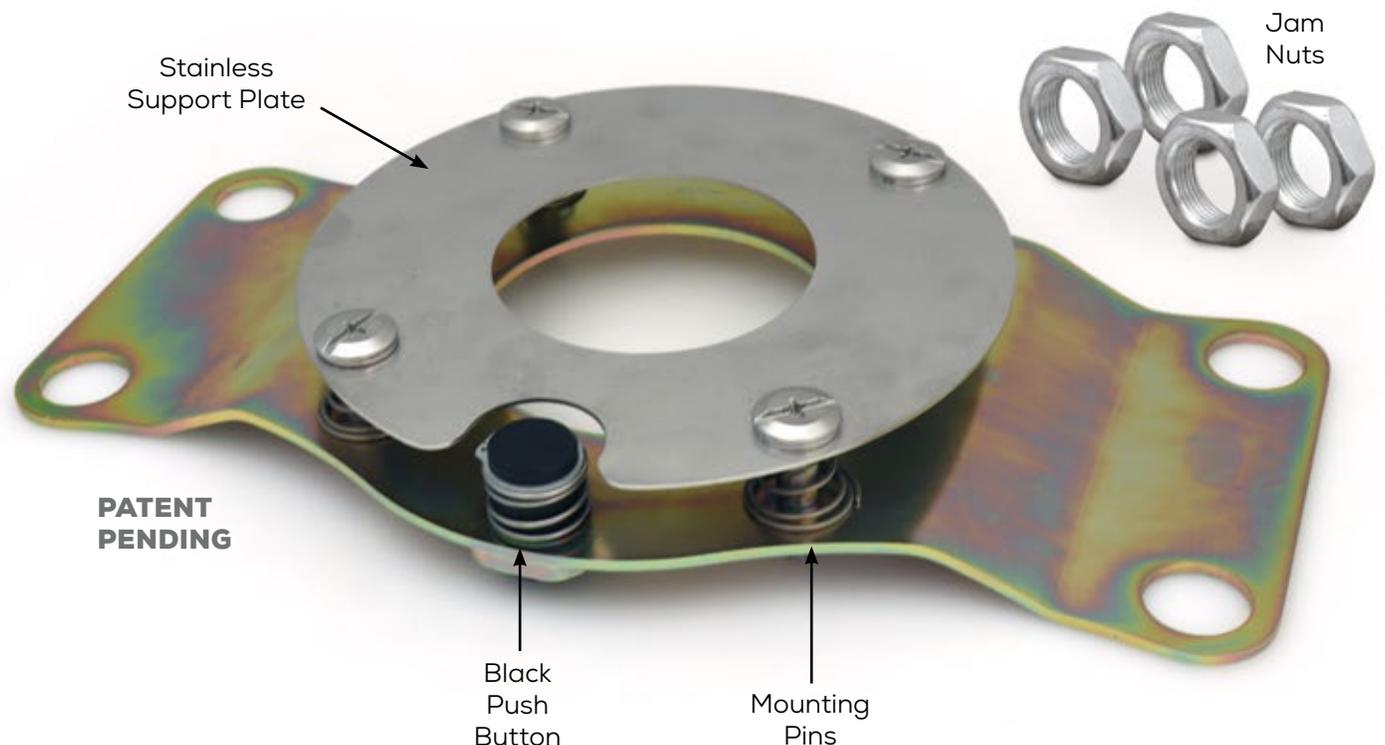
AFTER INSTALLATION

Inspection: After the Aero Covers have been installed they should be inspected regularly, ver-ifying they are tight and secured to the wheel. Every two weeks the covers should be removed, and an inspection of the wheels, Aero Covers and mounting brackets should be preformed. Make sure all screws and nut connections are tight. Check brackets for excessive wear, hairline cracks, etc. If air valves are installed, they should be inspected for fraying and excessive wear as well as secure connections with the rim air valves. During this inspection, clean the back of the Aero Cover and wheel.

Routine Cleaning: On a regular bases we recommend the entire cover be washed with mild automotive car or truck wash soap and water, and then waxed. Use of harsh chemicals and strong acid based soaps should never be used.

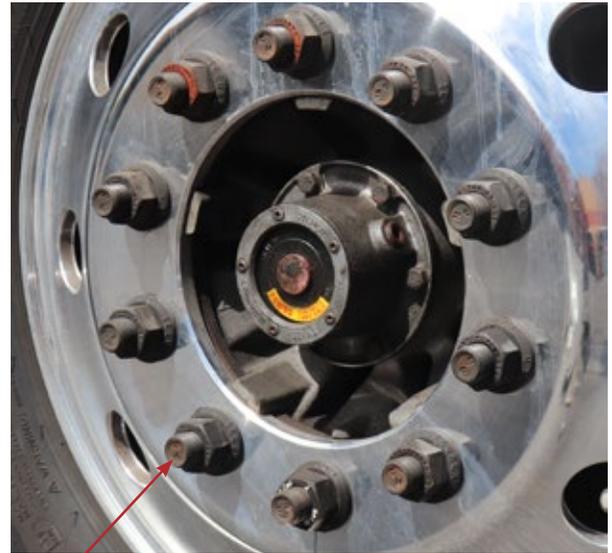
Very Important–Aero Clear Covers: Certain chemicals should not come in contact with the Polycarbonate clear plastic of the Aero Clear Covers. Additionally the use of Loctite and other forms of chemical thread lock should never come in contact with the Aero Clear plastic, it will cause the plastic to become brittle and crack.

FRONT TWIST & LOCK BRACKET ASSEMBLY COMPONENTS



IMPORTANT—READ AND FOLLOW THESE NOTES BEFORE PROCEEDING TO STEP 1

- There must be a minimum of 3/8" of excess stud sticking out past the axle nuts—Otherwise there will not be enough threads to hold the bracket to the axle. If there is less than 3/8" excess stud, you will need to use our under-axle-nut mounting system. Call Factory for more information.
- It is not recommended to use air or electric impact wrenches when installing the jam nuts onto the bracket ring of the Twist & Lock bracket assembly. If there is minimal excess threads, impact wrenches could damage the threads.
- All factory axle nuts must be at the same height—Otherwise the bracket will not be level.
- The excess threads of the axle studs must be in good condition—Clean and free from paint, debris excess rust, and completely useable with no damage to the threads. If threads are damaged, make sure they are repaired before installing the Twist & Lock mounting assembly.



IMPORTANT: Minimum of 3/8" of excess stud needed.

STEP 1: ATTACH FRONT TWIST & LOCK BRACKET

Begin by placing the Twist & Lock Bracket Assembly on top of four wheel studs (two on each side) so the bracket rests on top of the four 33mm lug nuts. (See Fig. 1A)

Then thread 4- 1 1/4" jam nuts onto the four wheel studs as they are located and shown in figure 1B and 1C. Using a 1 1/4" socket or 1 1/4" wrench, securely tighten the four 1 1/4" jam nuts to bracket. Tighten to 45 ft.lbs. (See Fig. 1D)



FIGURE 1B



FIGURE 1C



FIGURE 1A



FIGURE 1D

NOTE: The Aero Cover keyholes are offset. The cover can only be installed one way.

STEP 2: ATTACHING AERO COVER TO MOUNTING SYSTEM

Begin by locating the black push button on the top plate. Place the Front Twist & Lock Aero Cover so the four keyway hole slots and one 1" button hole are oriented so the larger opening of the keyway holes line up with the four Twist & Lock Mounting Pins and the 1" hole is oriented so it's in between two keyway slots. (See Fig. 2A)

Then evenly press onto the face of the Aero Cover so the heads of the four mounting pins heads go past the keyway holes. (See Fig. 2B) Then turn the Aero Cover clockwise into the keyway slots until the black button pops into the 1" hole in between two pins. (See Fig. 2C & 2D)



FIGURE 2A



FIGURE 2B



FIGURE 2C

VERY IMPORTANT

Button must pop into the 1" hole and engage, otherwise the wheel cover will not be attached to the mounting bracket. If the button does not line up with the 1" hole, rotate the cover until it does. (See Fig 2E)

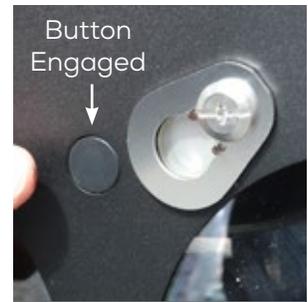


FIGURE 2E



FIGURE 2D



FIGURE 3A

STEP 3: REMOVING AERO COVER FROM MOUNTING BRACKET

To remove the Aero Cover, push in the black button, at the same time push against the center of the Aero Cover until the Aero Cover is below the head of the 4 pins in their keyway slots. (See Fig. 3A and 3B) Rotate counter-clockwise (See Fig. 3C) until the head of the pins line up with the four round clearance holes. Then the cover will disengage from the Twist & Lock bracket and can be removed. (See Fig. 3D)



FIGURE 3B



FIGURE 3C



FIGURE 3D

