Install Manual - Template

This document outlines the proper procedure for locating TrailerTail® components on dry van trailer rear swing doors.

Your trailer may be different than other trailers.

It is the responsibility of the installer to follow the procedures outlined in this document to properly install the TrailerTail®.

1 Rivet side template tabs

Rivet two template tabs flush* to side of the plastic template†.

** Tools:** Rivet gun • Transfer punch • Hammer • Marker • Drill • ⅜” drill bit

2 Hold template against trailer door

- While standing on a ladder or scissor lift, hold template up to the door.
- Align template side tabs with side of trailer frame.
- Align top of template with top edge of rubber edge trim.

**Tip:** First few installs should be completed by two people.

3 Mark location of top template tab

- Rest a template tab on the roof of the trailer and over the plastic template.
- Mark a dot on the template at the center of the bottom hole on the top tab.

**Note:** It is important that the template does not cover any of the top lights, per DOT regulations.

4 Rivet top template tab

**Tip:** First few installs should be completed by two people.

5 Add punch marks to trailer door

- Rest top template tab off the top of the trailer and place the side template tabs flush with the side of the trailer.
- Make sure the template does not move during this step.

**SAFETY WARNING:** Failure to exercise good judgment and common sense may result in property damage, serious personal injury, or death, and are not the responsibility of ATDynamics.

6 Flip and repeat for other trailer door

7 Drill holes

Using a ⅜” drill bit, drill through all the punched marks in the doors.

8 Insert carriage bolts

Use a hammer to insert ⅜” carriage bolts into all holes from inside of door.
This document outlines the proper procedure for installing TrailerTail® panels on dry van trailer rear swing doors.

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1 Swingarm & Gas Spring Brackets
   - Place Swingarm Hat Platforms and Gas Spring Bracket through carriage bolts.
   - Secure each bracket with two serrated flange hex nuts.

2 Gas Spring
   A. Snap spherical end fitting of cylinder body to Ball Stud on Gas Spring Bracket.
   B. Snap spherical end fitting of gas spring shaft to Ball Stud on Swingarm.

3 Top Panels
   Fold Top Panel assembly and hold up to door.
   A. Place both brackets through carriage bolts at top of door. Secure each bracket with two serrated flange hex nuts.
   B. Insert rod end through Tie-Rod Bracket and secure with lock nut.
   C. Attach snap hook of Top Panel cable to top Swingarm Bracket.

4 Lateral Panel
   A. Hold up Lateral Panel and place Lateral Hinges through carriage bolts.
   B. Secure Lateral Hinges with two serrated flange hex nuts per bracket.
   C. Attach snap hook of Lateral Panel cable to Gas Spring Bracket.

5 Lateral Panel to Top Panels
   - Straighten out Top Panel assembly to match up metal hinges.
   - Insert hex bolt through all three hinges and secure with lock nut.

6 Bottom Panels
   Hold Bottom Panel assembly up to door.
   A. Place both brackets through carriage bolts at bottom of door. Secure each bracket with two serrated flange hex nuts.
   B. Attach snap hook of Bottom Panel cable to bottom Swingarm Bracket.
   C. Insert rod end through Tie-Rod Bracket and secure with lock nut.
   D. Lift hanging portion of Bottom Panel assembly and align with bottom two hinges on Lateral Panel. Secure with hex bolt and lock nut.

7 Striker Bolt
   Adjust and tighten striker bolt as needed until TrailerTail latches and fully deploys reliably.

8 If present, remove rubber bumpers from trailer hinges.

Tools: Impact drill • ½” socket • ¼” socket • ½” wrench
Post-Install Checklist

This page outlines a list of components to inspect immediately after a TrailerTail® installation.

It is the responsibility of the maintenance crew and/or driver to follow the presented procedures to ensure full and proper usage of the TrailerTail.

Incorrect installation may lead to issues:
- while latched closed
- during opening/closing
- with stackup at side of trailer
- while deployed

After every install, inspect and adjust:

1. **System Opening**
   - Tie-rods come pre-set to correct length so no adjustment is typically necessary.
   - Upon releasing the latch, if TrailerTail does not open fully without assistance, tie-rod adjustments may need to be made.
   - If adjusting tie-rods, remember to re-tighten both 3/8" jam nuts.

2. **Rod Ends**
   - Rod ends are inserted from rear side of bracket.
   - 3/8” lock nut is completely tight (flush against bracket).

3. **Cables**
   - All cables are attached.
   - TrailerTail® Trident has additional 14” cable attached from Gas Spring Bracket to center of swingarm.

4. **Swingarm Bolts**
   - Both bolts have their threads pointing outwards.

5. **Rubber Bumpers**
   - Rubber bumpers have been removed from doors.

6. **Striker Bolt**
   - TrailerTail latches reliably and deploys on latch release.
   - 5/16” lock nuts are completely tightened.

7. **Gas Spring Bracket**
   - Gas Spring Bracket and Ball Stud point downwards.

8. **Chain Link**
   - Trailer doors can be opened with open TrailerTail® and secured to side of trailer. If required, additional chain link can be added (supplied upon request).

9. **Driver Decals**
   - Driver awareness decals are applied on the front and side of trailer.

10. **Fasteners**
    - All nuts have been tightened.
    - All rivets have been used to mount TrailerTail® to refrigerated doors.