

INSTALLATION INSTRUCTIONS FOR THE T-22-1 MINI-SKIRTS

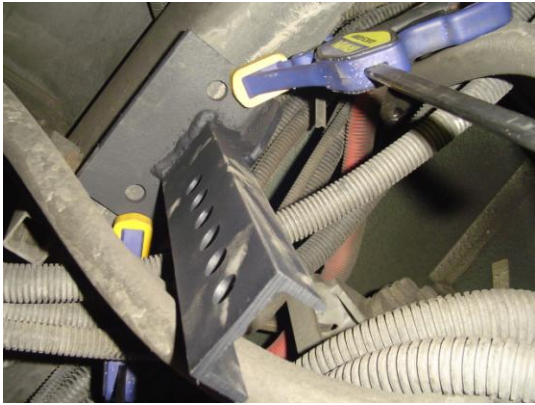
- PARTS LIST:
- (2) Top Mounting Brackets
 - (2) Bottom Mounting Brackets
 - (2) Mini-skirts
 - (4) 1/2" x 1 1/2" Grade 8 Hex Bolts
 - (4) 7/16" Grade 8 Flat Washers
 - (4) 1/2" Flange Lock Nuts
 - (4) 5/16" x 3/4" Carrage Bolts
 - (4) 5/16" Top Lock Nuts
 - (2) 3/8" Nut Plates
 - (4) 3/8" x 1 1/2" Grade 8 Hex Bolts
 - (4) 3/8" Grade 8 Flat Washers

READ ALL INSTRUCTIONS BEFORE BEGINNING THIS INSTALLATION.



1. Place the coach on a level surface at ride height.

2. Remove large mudflap at rear of the coach, if equipped.
3. Begin this installation on the passenger side. Measure 15" behind the tire mudflap or 17" behind the tire, on the frame rail. This is the ideal location for mounting the top bracket to the frame. Ensure the area is free of brackets or other hardware on both sides of the coach. Moving the brackets forward or back a few inches to avoid obstacles is acceptable and both brackets should be located at the same distance from the tires.



4. Once a suitable location has been determined clamp the bracket to the bottom of the frame rail. The flat side of the channel should face the outside of the coach and the flat side of the angle should align with the inside edge of the frame rail.



5. Bolt the bottom bracket to the top bracket using (2) 1/2" x 1 1/2" hex bolts, (2) 7/16" flat washers, and (2) 1/2" flange nuts. The bolts should be located as far from each other as possible. Finger tighten. The bottom bracket should hang as close to the bottom of the compartment as possible with the mini-skirt mounting plates toward the rear of the coach.



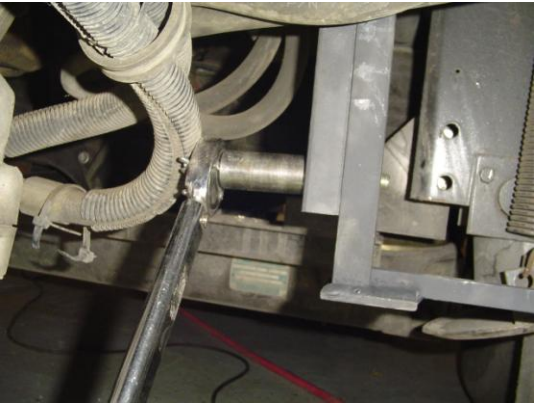
6. Make final adjustments to the position of the top bracket now, using the lower bracket as a place to measure from. Ideally the mini-skirt mounting plates should be 15" back from the tire mud flap, or 17" from the tire, and the top bracket aligned with the inside edge of the frame rail.



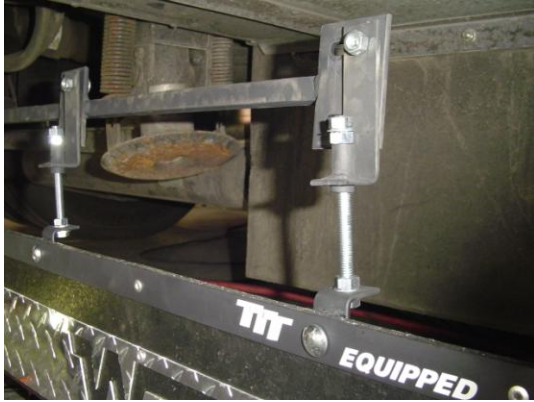
7. Check for wires / hoses prior to drilling and move or protect with a wooden block. Using a 13/32" drill bit and the clamped top bracket as a guide, drill 2 holes through the bottom of the frame rail. Note: It is easier to mark the center of the holes with a 3/8" bit, remove the bracket, then drill through with a 3/16" followed by the 13/32" drill bit.



8. Place a 3/8" nut plate on the top of the frame rail aligning the nuts to the new holes. Hold the top bracket up to the bottom of the frame rail and bolt on using (2) 3/8" x 1 1/2" hex bolts, and (2) 3/8" flat washers. Torque bolts to 45 ft. pounds.



9. Tighten the bottom bracket to the top bracket. Torque bolts to 110 ft. pounds.



10. Attach the mini-skirt to the lower bracket per drawing 1. Ideally the bottom of the mini-skirt will hang 3 1/8" above the ground. There are 3 places to adjust the height of the mini-skirt. The top / bottom bracket interface, the mini-skirt mounting plates, and fine adjustment is on the 5/16" x 4" hex bolts.



11. Use these positions to adjust the height of the mini-skirt. Allow for 1 1/2" travel of the 4" bolt on the hanger.

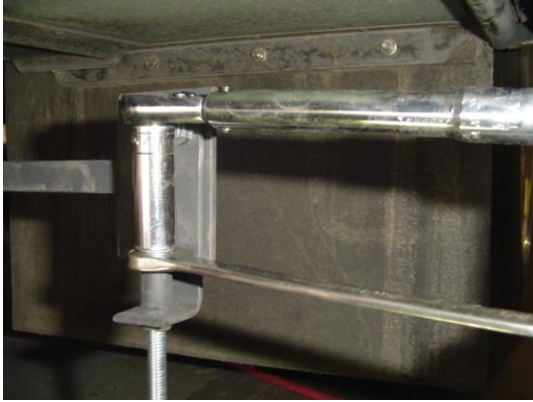
12. Repeat steps 4 – 11 for the driver side.



13. Using a straightedge adjust the Mini-skirt to the outer most position without extending past the body of the coach. Insure both miniskirts hang the same distance from the side wall.



14. Tighten the outside top 5/16" nuts to the brackets. Keeping the hanger perpendicular to the ground. Torque to 9 ft. pounds.

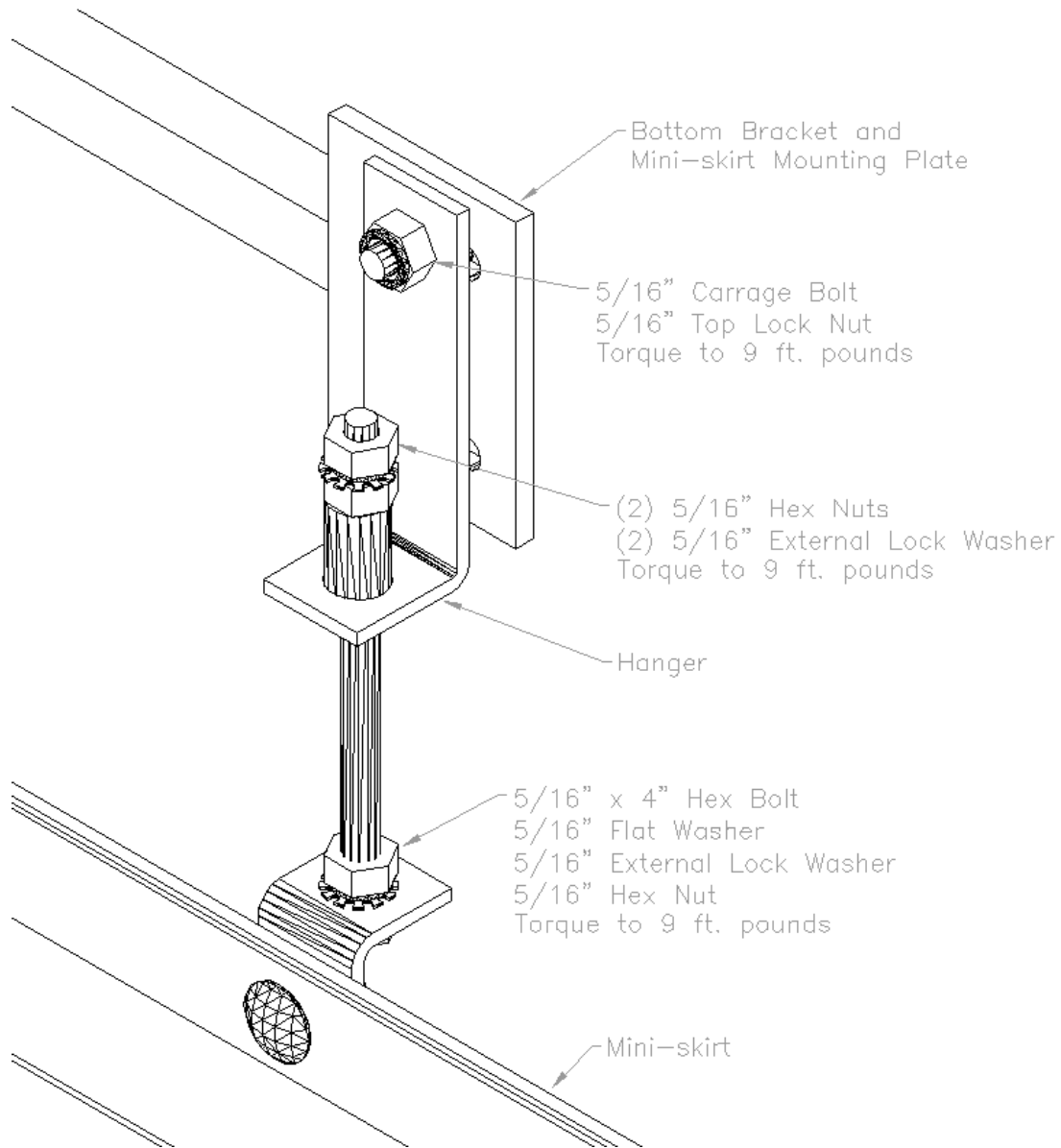


15. Double check the Mini-skirt heights and tighten the upper 5/16" nuts together on both sides. Torque to 9 ft. pounds.



16. Bounce the Mini-skirts up and down a few times on the 4" bolts to align the inside hangers, ensure the 4" bolts are straight down, then tighten the inner top 5/16" nuts to the bracket. Torque to 9 ft. pounds.

17. Zip tie any electrical lines that needed to be moved.



Recommended installation time: 1.5 hour.