



HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

3641XX APR/2012	GUIDE FOR FOLD-A-COVER®: TT6312, TT6314	TRUCK MODEL(S): 2005-up TOYOTA TACOMA
---------------------------	---	--

NOTES TO INSTALLER:

- Install Parts as shown in illustrations.
- Temperature should be no lower than 70°F when installing.
- Be sure the truck is setting on a level surface.
- Apply lock tight to each fastener during installation.
- **Some trimming of bed liner may be required for proper fit and function of cover.**
- Make sure the end user receives the warranty registration envelope, keys, and the operation instructions.



Truck model shown in image may or may not represent the truck referred to in this installation guide.

NOTES TO CUSTOMER:

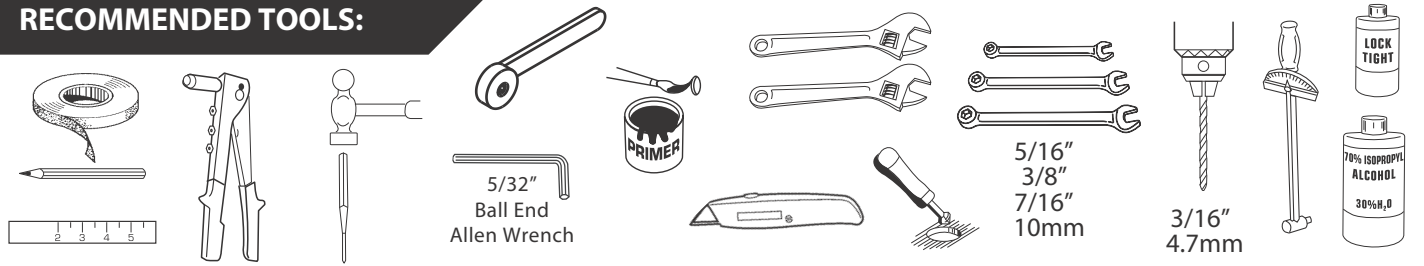
For proper use and maintenance, refer to the operation and care label located under the rearmost panel of the cover on the driver's side.

Fold-a-Cover® is a product of Steffens Automotive
4045 Karona Court, Caledonia, MI 49316
phone: (616) 656.6886 fax: (616) 656.3771
www.steffensautomotive.com



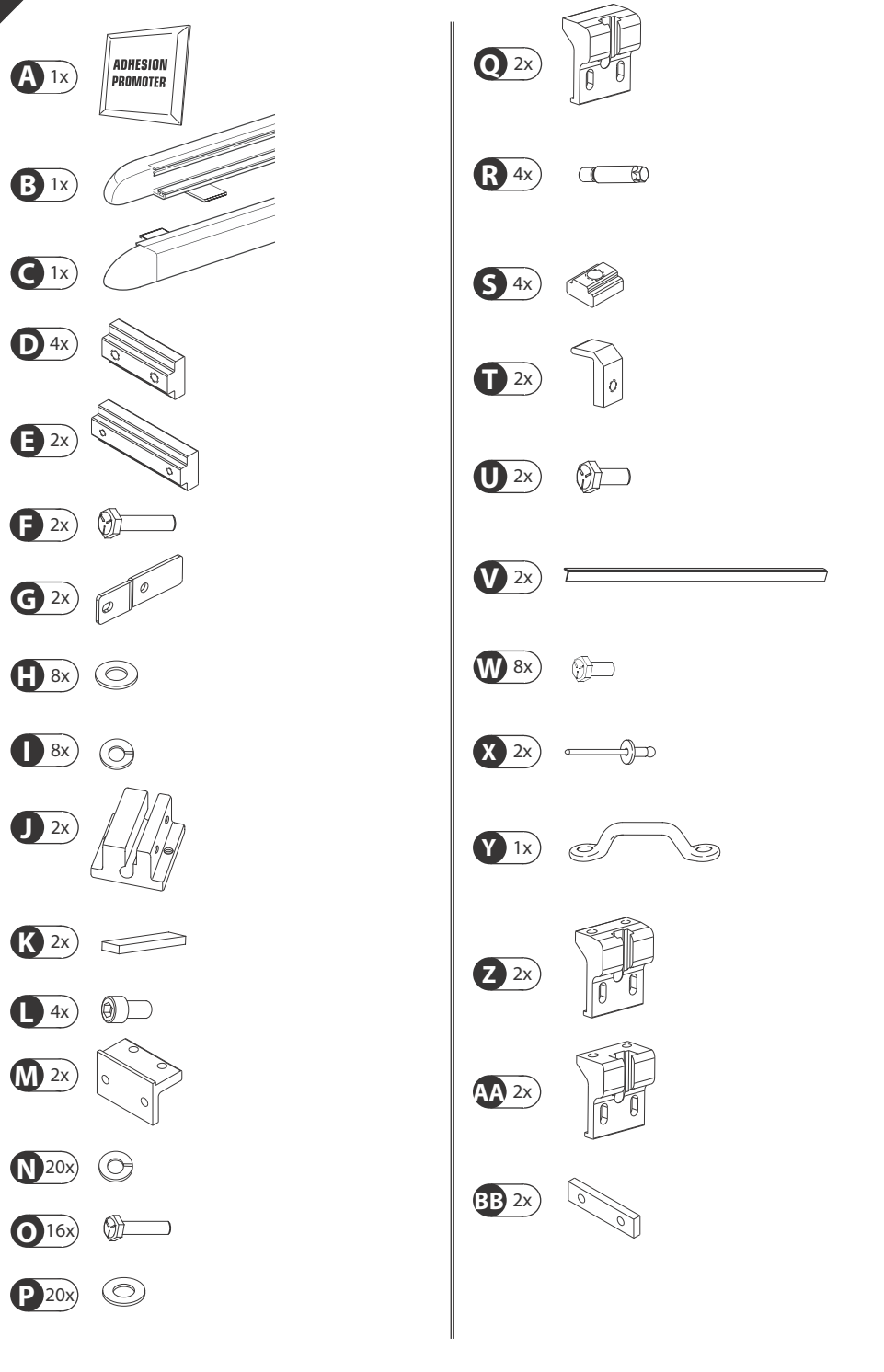
HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

RECOMMENDED TOOLS:

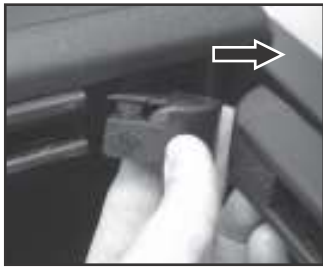


PARTS LIST:

A	2095	Adhesion Promoter
B	3682-10L	LH Wind Seal
C	3682-10R	RH Wind Seal
D	3687C	T-Nut, Short
E	3687A	T-Nut, Long
F	3713	M6-1 x 25mm HHCS
G	3716	Striker Clamp Adapter
H	3732	#10 Flat Washer
I	3738	#10 Split Washer
J	3410	Hinge Bracket
K	3411	Hinge Bracket Shim
L	3509	#10-32 x 1/2 SHCS
M	3413D	Mounting Bracket
N	3510	1/4" Lock Washer
O	3504	1/4-20 x 1 HHCS
P	3658	1/4" Flat Washer
Q	3717	Striker Clamp Bracket
R	3651	Striker Bolt
S	3656	5/16-18 T-Nut
T	3654C	Center Latch Clamp
U	3697	1/4-20 x 1/2" HHCS
V	3540-61	L-Seal
W	3733	#10-24 x 1/2" HHCS
X	2069	3/16 x 3/8 SST Rivet
Y	2070	Footman's Loop Catch
Z	3717A	Striker Clamp, Style A
AA	3717B	Striker Clamp, Style B
BB	3737	Rail Bracket Spacer



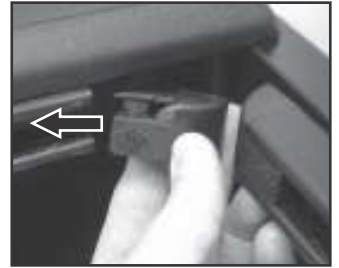
STEP ONE: CLAMP BRACKET INSTALLATION



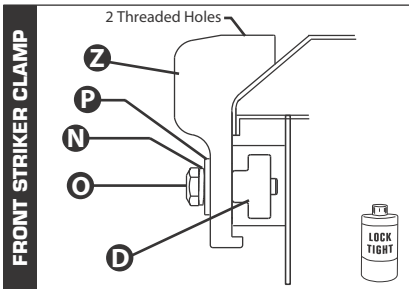
REMOVE TRACK END CLIP
Remove the plastic end cap from the track system as shown above.



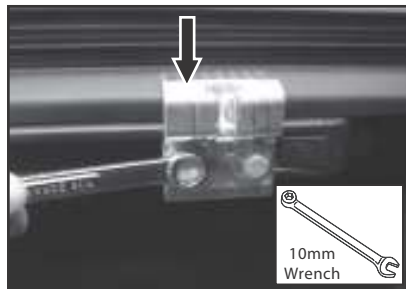
INSERT MOUNTING BRACKET T-NUTS INTO TRACK SYSTEM
Insert one 2-inch T-Nut (D) in each track from the cab side as shown above. Then insert one 2-1/2-inch T-Nut (E) into each track. Insert one 2-inch T-Nut (D) in each track.



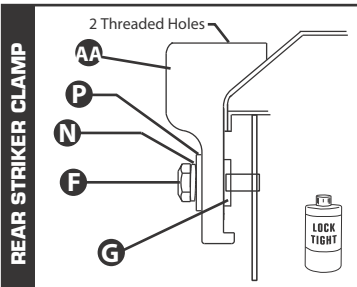
REPLACE TRACK END CLIP
Replace plastic end cap back into the track system.



PRE-ASSEMBLE FRONT STRIKER CLAMP
Insert bolt (O) washers (N, P) through the striker clamp (Z) and into the most cab-forward t-nut (D).

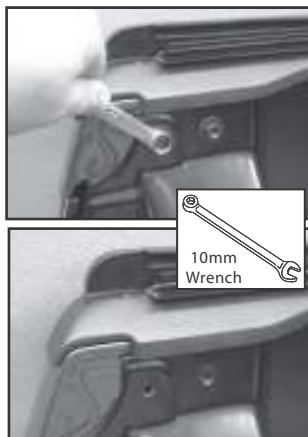


DO NOT TIGHTEN CLAMP
Snug the bolt up but do not tighten it as its position may be adjusted in a later step.

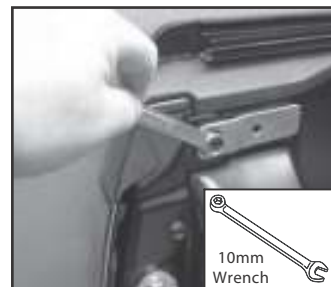


PRE-ASSEMBLE REAR STRIKER CLAMP
Insert bolt removed from truck body, washers (N, P) through the striker clamp bracket (AA) and striker clamp adapter (G) and into the truck body.

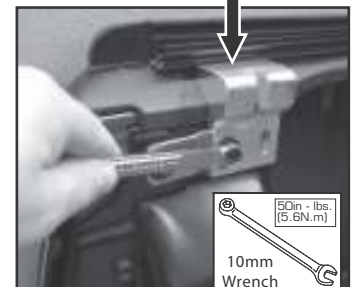
NOTE: Make sure the bottom lip on the striker clamp is positioned below the striker clamp adapter bracket.



REMOVE BOLTS
Using a 10mm wrench, remove the two bolts as shown above.



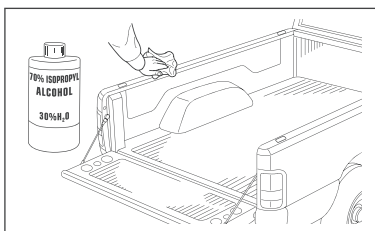
ADD BRACKET
Reuse one of the bolts that was just removed and insert it through the rear hole in the striker clamp adapter (G) and thread it back into the rear hole position as shown above. Do not fully tighten it at this time



ADD STRIKER CLAMP
Insert bolt (F) with washers (N, P) through the hole in the striker clamp bracket (AA). Then pass it through the remaining hole in the striker clamp adapter and thread it into the truck.

Apply downward pressure to the striker clamp bracket while tightening both bolts to 50 in.lbs. (5.6 N.m).

STEP TWO: SURFACE PREPARATION



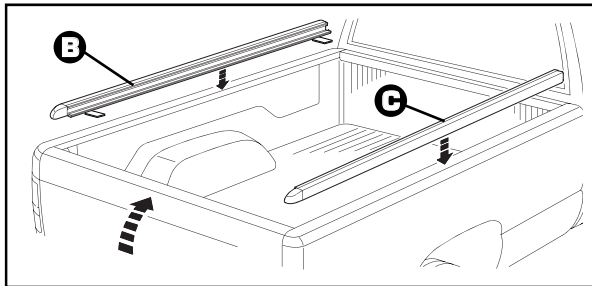
WIPE DOWN BOTH SIDE RAILS
Using a clean cloth and 70% Isopropyl Alcohol, wipe down both side rails to ensure a clean surface for installation.



REMOVE PROTECTIVE BACKER
Remove the protective film from the foam tape on the passenger and driver side windseal rails (B, C).

NOTE: The foam tape is for surface protection and moisture sealing on this application and is not adhesive.

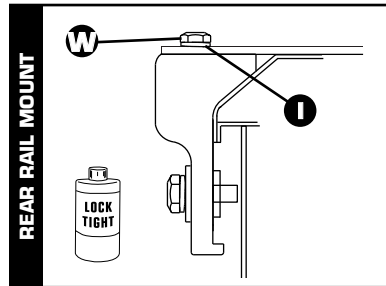
STEP THREE: POSITION & SECURE WINDSEAL RAILS



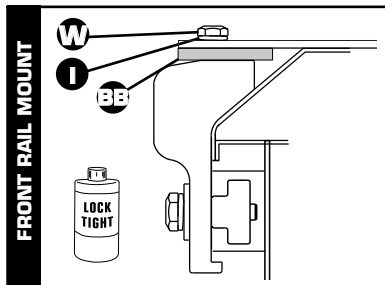
PLACE WINDSEAL RAILS ON TRUCK BOX:
Position the left and right windseal rails (B, C) on the truck box as pictured above. The attached flat brackets should be pointing toward the inside of the truck box.



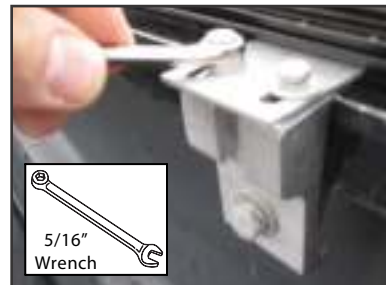
ALIGN RAILS TO REAR BRACKETS
Each bracket should be lined up with the striker clamps already installed on the truck bed. Align the slots in the windseal bracket with the threaded holes on the striker clamps.



REAR RAIL MOUNT
SECURE RAILS TO BRACKETS
Insert a #10-24 x 1/2" HHCS (W) and one washer (I) through the windseal rail bracket and into the striker clamp bracket. Finger tighten.



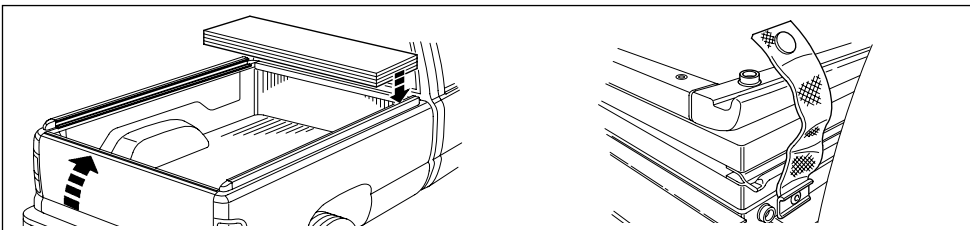
FRONT RAIL MOUNT
ALIGN FRONT STRIKER TO BRACKET
Each striker clamp bracket in the front may need to be moved to line up with the windseal rail bracket. Align the threaded holes in the striker clamp with the slots in the windseal bracket.



SECURE RAILS TO BRACKETS
Insert a #10-24 x 1/2" HHCS (W) and one washer (I) through the windseal rail bracket and rail bracket spacer (BB) and into the striker clamp bracket. Finger tighten.

STEP FOUR: INITIAL COVER PLACEMENT

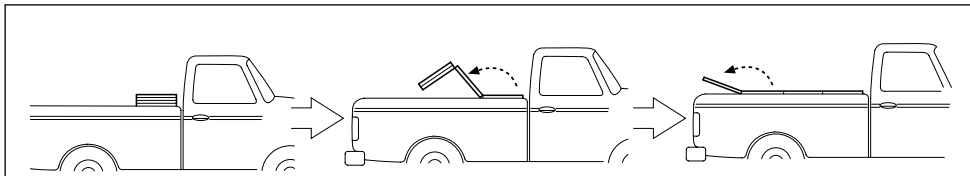
NOTE: Assistance may be required to perform this step.



Carefully remove the folded cover from the shipping box and remove the packing materials from the corners of the cover. Place the cover between the windseal rails and release the snap restraints as shown in the images above.



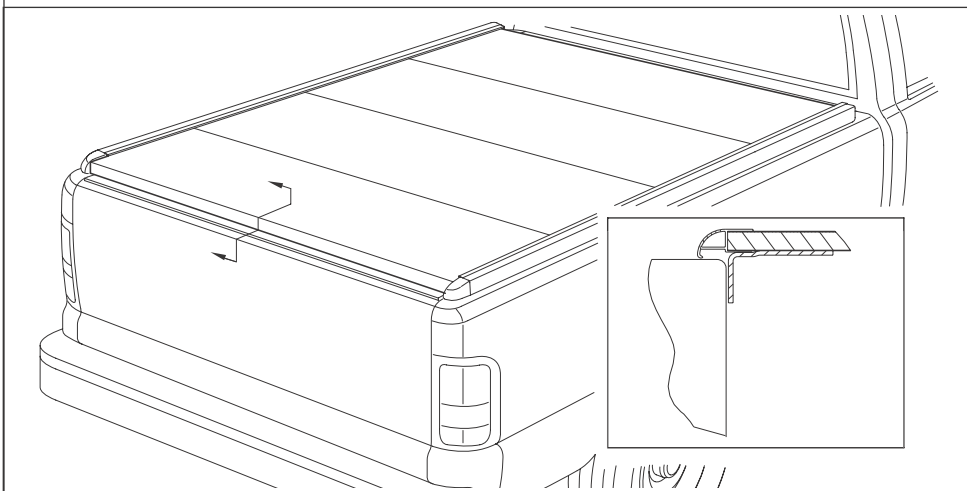
NOTE: Retain two of the foam corners for a later step.



Unfold the cover between the windseal rails on the truck bed. It may be necessary to adjust the windseal rails for the cover to fold out flat and sit between the windseal rails. It may be necessary to adjust the position of the windseals to allow the cover to sit properly.



STEP FIVE: FINALIZE COVER PLACEMENT



ADJUST PLACEMENT OF COVER:

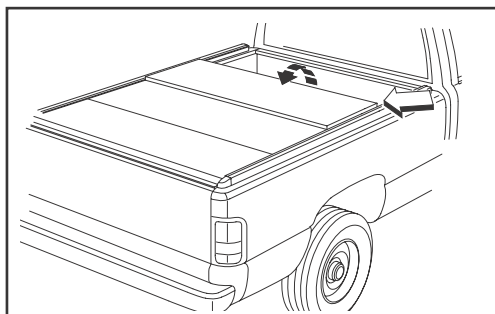
Adjust the front to rear placement of the cover. Slide the cover rearward until the tailgate catch tab makes contact with the tailgate. Then move the cover forward approximately 1/16". See the cross-section inset view above. Open and close the rear panel to make sure there is no interference with the tailgate.

CENTER the cover **EVENLY & SQUARELY** from side to side on the truck bed.

ALIGN LH & RH WINDSEAL RAILS TO COVER:

Make sure the upper rubber seal of the windseal rails are evenly spaced 1/32" to 1/16" from the top edge of the cover for the entire length of the cover, front to back on both sides. Also align the rear of the windseal rails with the rear panel of the cover on both sides.

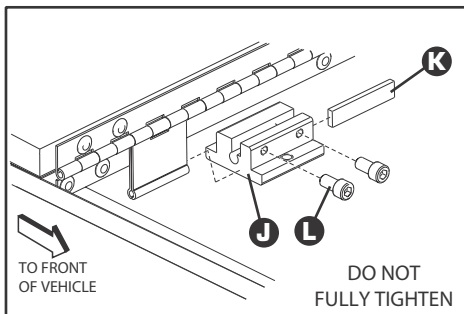
STEP SIX: ATTACH HINGE CLAMPS



FOLD BACK FRONT PANEL

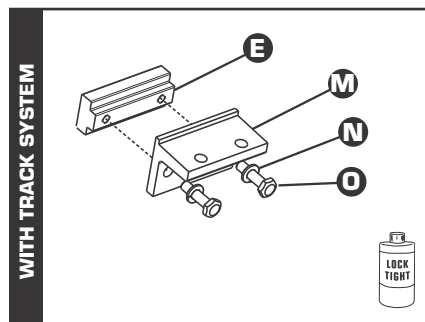
Carefully fold back the front panel, located directly behind the cab.

NOTE: Make sure cover does not move from its centered position on the truck bed.



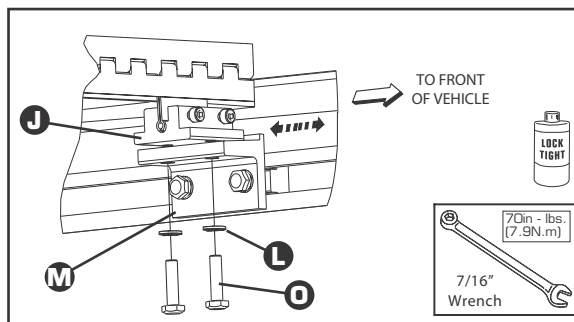
ASSEMBLE HINGE BRACKET

Assemble driver side and passenger side hinge brackets (J, K, L) finger tight as shown in the diagram and picture above.



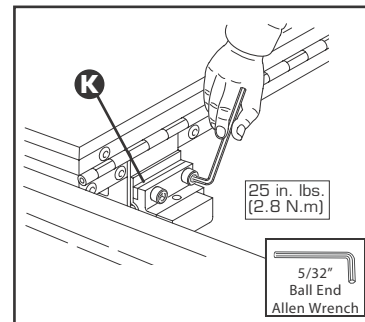
WITH TRACK SYSTEM
PREPARE HINGE CLAMP ASSEMBLY

Using bolt (O) and washer (N) attach hinge clamp bracket (M) to the Mounting Bracket T-Nut (E) that was installed into the track in an earlier step. Tighten the bolts finger tight allowing the assembly to slide in the track.



INSTALL HINGE CLAMP ASSEMBLY

Slide the clamp along the track and position it under the hinge bracket (M) as shown above. With the bolt holes aligned, insert bolt (O) and washer (L) through the hinge clamp mounting bracket from the bottom. Tighten the four fasteners (O) to 70 in. lbs. (7.9 N. m.). Repeat for both driver & passenger side.



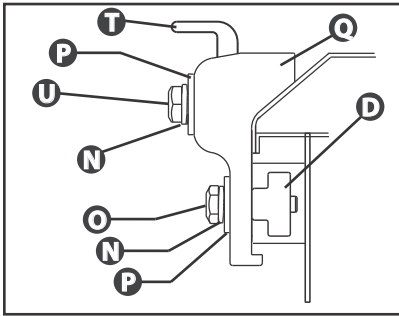
SECURE HINGE BRACKET BOLTS

Tighten hinge bracket set bolts to 25 in. lbs. (2.8 N. m.)

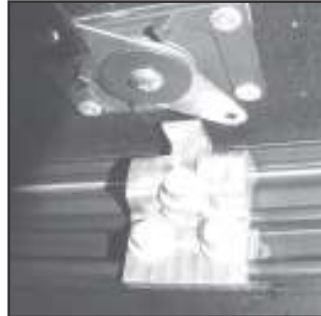
NOTE: Make sure hinge bracket shim (K) is seated to bottom of receiver groove in the hinge bracket.

HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

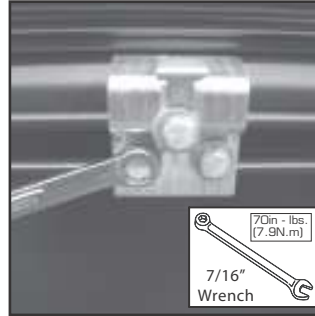
STEP SEVEN: ATTACH CENTER LATCH CLAMPS



PRE-ASSEMBLE CENTER CLAMPS
Insert bolt (O) washers (N, P) through center latch (T) and striker clamp (Q). Secure to the 2" t-nut (D) placed in the track system. Do not tighten. Leave it loose for easy positioning.

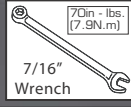


With the tailgate open and the rear cover panel closed, locate the center latch mechanism on the bottom of panel number three. Slide the clamp assembly so it is centered along the mechanism.

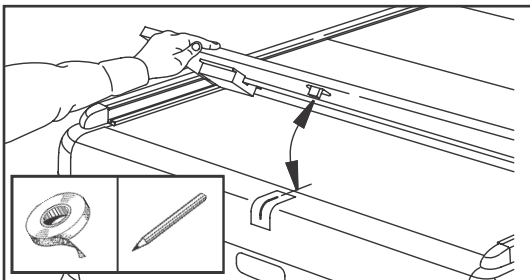


Open the cover to its fully open position and use a 7/16" wrench to secure. Apply downward pressure to the clamp assembly while tightening the center latch clamps to 70 in.lbs. (7.9 N.m.)

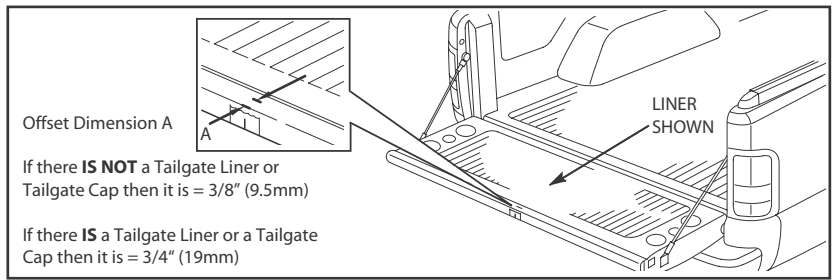
FOR PROPER OPERATION:
To insure proper operation of the center latch mechanism always open and fold the rear panel of the cover to its fully open position before starting any folding motion of the second or third panels, continue the opening sequence by folding the second and third panel to the fully open position and secure the docking straps. To close the cover, reverse these steps in the same order, making sure to close the rear panel last.



STEP EIGHT: FOOTMAN'S LOOP INSTALLATION

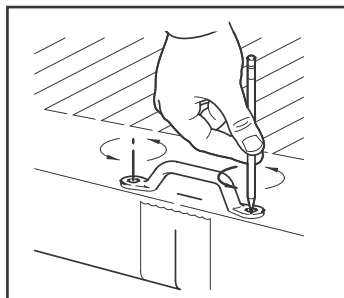


IDENTIFY CENTER OF TAILGATE
Use maskingtape and a pencil to locate the center of the tailgate catch tab in relation to the top of the tailgate as shown above.



LOCATE CORRECT VERTICAL PLACEMENT
See the drawing above for the correct placement of the footman's loop on relation to the top of the tailgate.

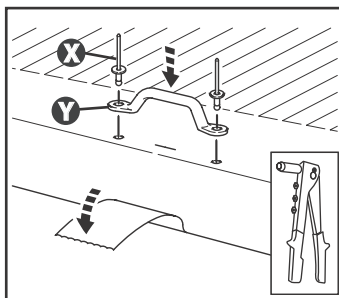
Offset Dimension A
If there **IS NOT** a Tailgate Liner or Tailgate Cap then it is = 3/8" (9.5mm)
If there **IS** a Tailgate Liner or a Tailgate Cap then it is = 3/4" (19mm)



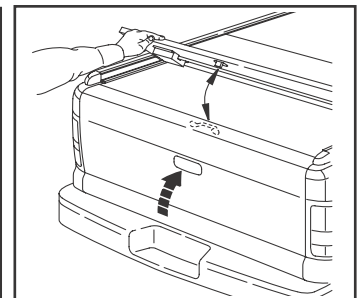
MARK LOCATION OF DRILL HOLES
Use a pencil to locate the location of the footman's loop (Y) as shown above.



!! DO NOT DRILL THROUGH !!
DRILL HOLES IN TAILGATE
Use the center punch to start the holes and prevent the drill from slipping on the surface of the tailgate. Drill a 3/16" hole at each marked location.



RIVET FOOTMAN'S LOOP
Remove tape from the tailgate. Insert rivet (X) through the holes in the footman's loop (Y) and secure to the tailgate.

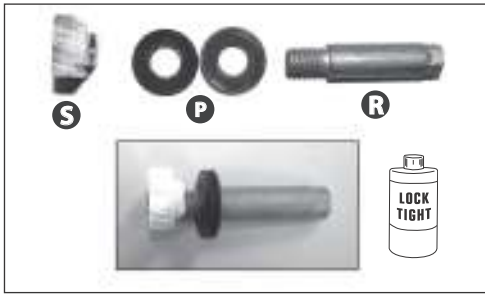


TEST OPERATION
Close the open panel carefully the first time. Check for interferences from the lock tab on the panel. If needed, adjust the cover forward or backward slightly.

HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

STEP NINE:

INSERT STRIKER BOLTS



INSERT AND SECURE STRIKER BOLTS:

Pre-assemble the striker bolt (R) with 2 washers (P) and thread it into the T-nut (S).

With the front and rear panels still in their fully open positions, install the striker bolts, T-nuts and washers (P, R, S).

Tighten the striker bolt finger tight and repeat this step for all four of the striker clamp brackets.

Slide the T-nut assembly into the T-slot in the striker clamp bracket from the bottom as shown in the picture above.

STEP TEN:

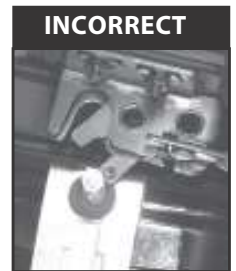
ALIGN & ADJUST ROTARY LATCHES



OPEN POSITION



CORRECT

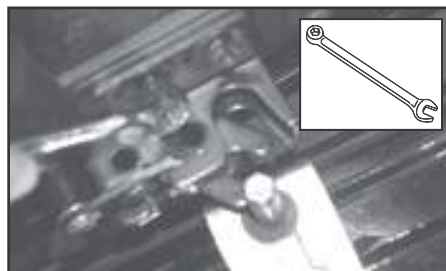


INCORRECT

Open the tailgate of the truck. Make sure the rotary latches are in their open position on both panels.

Gently lower either the front or the rear panel toward its closed position making careful note of the alignment of the striker bolts on the truck and the U-shaped striker bolt receiver in the rotary latch on the cover.

The U-shaped groove on the latch should be centered directly over the striker bolt.



If the striker bolt is not centered adjust it as follows. Loosen the 3/8" nuts on the latch assembly to slide the latch fore or aft until it is centered over the striker bolt on the truck.



NOTE: (If the rotary latch can not be properly adjusted check the position of the striker clamp assemblies. Additional adjustment is available by loosening and repositioning the striker clamp bracket assembly)

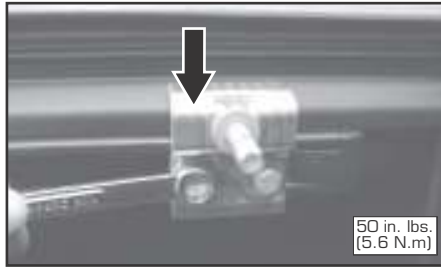


Repeat until all four latches are centered over their respective striker bolts.

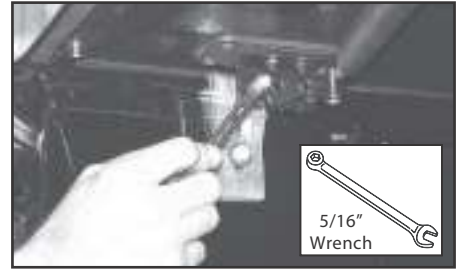
STEP ELEVEN: ALIGN & ADJUST ROTARY LATCHES



Close the tailgate of the truck and return the cover to its fully closed position on both the front and rear panels. Re-check the spacing and alignment of the wind seal rails with the cover.



Open the front and rear panels to expose the striker clamps. Apply downward pressure to the striker clamp bracket while tightening the bolts to 50 in. lbs. (5.6 N.m.)



Return the cover to the closed position to make a vertical adjustment to the striker bolts. Use a 5/16" wrench to adjust the striker bolt height.



With the front and rear panels in their closed positions the top of the cover should be adjusted flush with the top of the windseal rails. Tighten the four striker bolts to 70 in. lbs. (7.9 N. m.).



To close and latch the front or rear panels simply use a smooth, firm downward pressure on the panel. (Start the downward closing motion approximately 12 inches before the panel reaches its closed position)

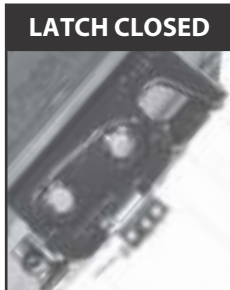


NOTE: Striker bolt setting may require readjustment after blade seals are installed in Step Ten.

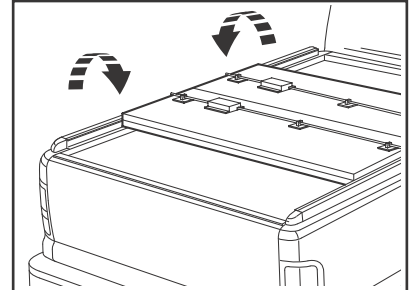
STEP TWELVE: ADJUST LATCH TIMING



Hold the rear panel in an open position at approximately a 45 degree angle with one hand. With your other hand manually close both the driver and passenger side rotary latches.



With the cover in this suspended position operate the latch release handle. Both latches should open at the same time about half way through the travel of the latch release handle. If both latches release simultaneously no further adjustment is required, and you may tighten the cable end jam nuts as pictured below.



TO TIGHTEN CABLE END JAM NUTS: Before tightening the jam nuts, lay the panel down in the open position to make it easier to work on.



IF ADJUSTMENT IS REQUIRED: Adjusting the cable length can be done with your fingers, as shown.

To make the latch release earlier, turn the cable end nut clockwise.

To make the latch release later, turn the cable end nut counter-clockwise.

Use two small adjustable wrenches. One will hold the cable end nut in its current position. The other wrench will turn the jam nut so the cable end nut remains locked in position.

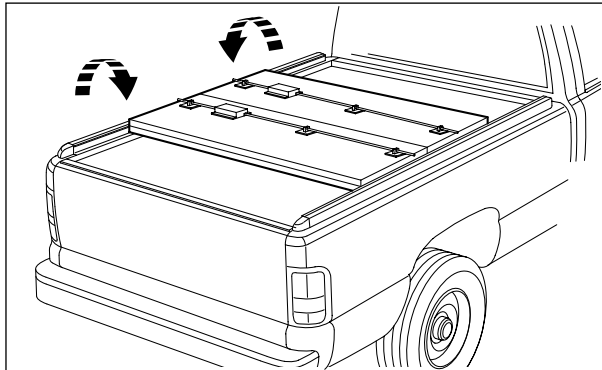
Repeat as needed for the other latches.

STEP THIRTEEN: INSTALL WEATHER SEALS

NOTE: Rear Seal shown in pictures for these instructions. Front seal is applied using the same steps.

SURFACE TEMP
70°F
OR ABOVE

Surface temperatures below 70 degrees F will adversely effect the bond strength of the seal adhesive.



OPEN COVER TO EXPOSE SEAL LOCATIONS
Place two of the foam corner packing blocks from the packaging on the cover. Open the front and rear panels so they rest on these foam blocks.



CLEAN PANEL CONTACT SURFACE
For proper adhesion of the blade seal it is important to clean the seal mating surfaces with either isopropyl or denatured alcohol before applying the adhesion promoter.



APPLY ADHESION PROMOTER
Open the adhesion promoter packet provided in your hardware kit and apply it to the contact surface with a thin, even layer. Too much promoter will reduce the adhesion strength.
Allow it to dry thoroughly before attaching the blade seal.

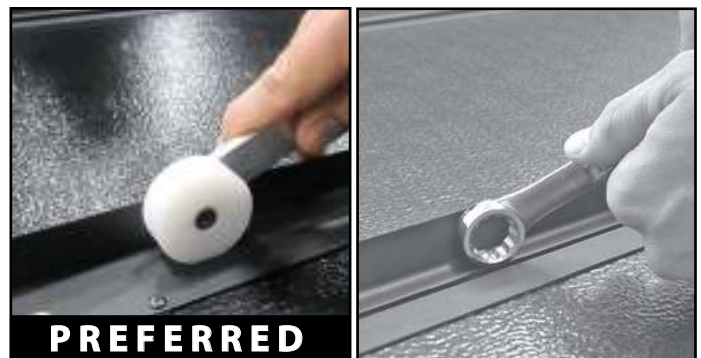


INSTALLATION OF NEW BLADE SEAL(S)

FRONT: The front seal should be inset 1/2 inch off each end.

REAR: Rear seal should cover the entire width of the rear panel.

Remove a small section of the red backing from the adhesive tape on the blade seal. Position the seal with the blade toward the outside edge of the panel (see images and profiles above) and work across the panel exposing small sections of the adhesive at a time. Carefully trim any excess material using a razor blade.



APPLY PRESSURE TO INSURE ADHESION

Before proceeding, use a cloth covered in Armor All® and wipe the exposed surface of the seal. This will allow the tools mentioned below to slide smoothly over the surface of the seal.

The adhesive used on the blade seal is pressure sensitive. Finger pressure is not enough and will not properly transfer the adhesive to the panel. To insure a proper transfer, apply firm pressure using a roller wheel (preferred), a combination wrench or other smooth tool. Begin on one end and work across its length using a firm, even pressure.

Repeat several times from end to end over its entire surface area.

HARD FOLDING TONNEAU COVER INSTALLATION GUIDE



1
To open the cover lift the latch release handle and open the rear panel to the fully open position.



2
To insure proper operation of the center latch mechanism always open and fold the rear panel of the cover to its fully open position before starting any folding motion of the second or third panels.



3
Continue the opening sequence by folding the second and third panel to the fully open position.



4
With the cover in the fully open and stacked position secure all three docking straps. It is important to secure the docking straps at all times when the cover is in the fully open position.



5
To close the cover, reverse these steps in the same order, making sure to close the rear panel last.

Note: Only operate the vehicle with the cover in the closed and latched position or the fully open position with the docking straps securely fastened. Operation of the vehicle with the cover in partially opened positions can cause severe damage to the cover and possibly the vehicle.