



HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

3641X1 APR/2012	GUIDE FOR FOLD-A-COVER®: FD3734	TRUCK MODEL(S): 2009-up FORD F-150 (5'6" Box)
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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.

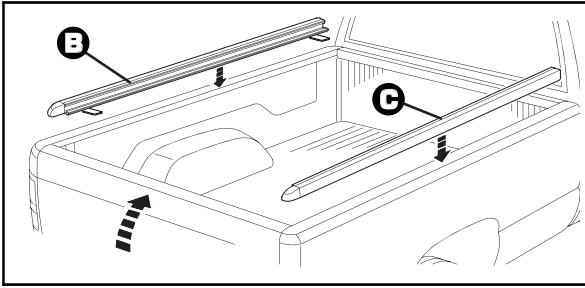
NOTES TO CUSTOMER:

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.

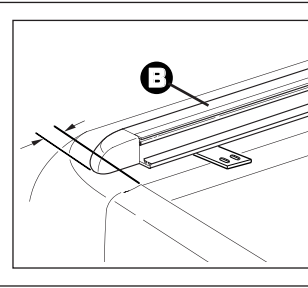
Fold-a-Cover® is a product of Steffens Automotive
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www.steffensautomotive.com



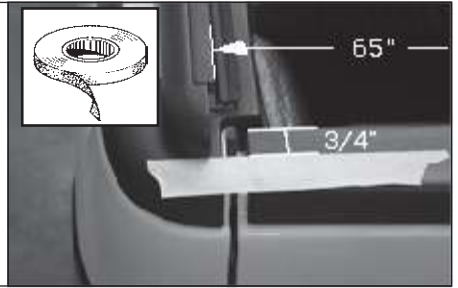
STEP ONE: POSITION WINDSEAL RAILS



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.



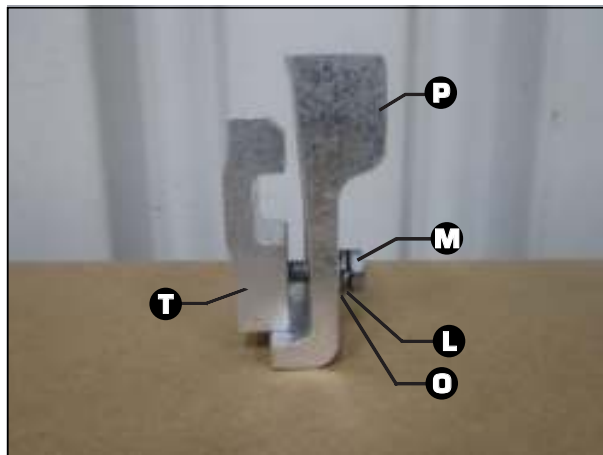
PROPERLY POSITION WINDSEAL RAILS:
Place the rear end of the windseal rails 3/4" past the inside edge of the top of the tailgate as shown above.



Place the inside edge of the windseal rail extrusion 3/4" away from the inside edge of the truck box as shown above.

The distance between the rails, measuring from the inside of the top rubber seals, should be 65".

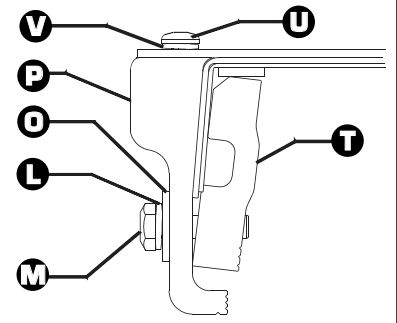
STEP TWO: POSITION & SECURE WINDSEAL RAILS



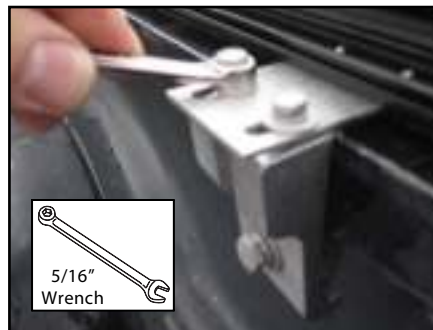
PRE-ASSEMBLE THE STRIKER CLAMP BRACKET ASSEMBLIES:

Pre-assemble the striker clamp bracket (P) and inner clamp brackets (T) with bolt and washers (M,L,O). Insert bolt and washers through slot in the striker clamp bracket, threading the bolt into the inner clamp bracket as shown. Start the bolt only a few threads. Assemble the four (4) striker clamp bracket assemblies.

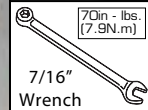
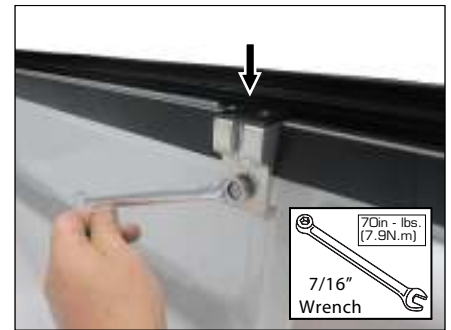
Striker Clamp Bracket Assembly (shown in application)



PLACE STRIKER CLAMP BRACKETS:
Move the striker clamp bracket assemblies into place allowing the inner clamp bracket to slip behind the vertical edge of the inner box rail. The outer clamp rests on the top and outside of the vertical edge of the inner box rail as shown above.



Insert the #10-24 x 1/2" HHCS (U) and one washer (V) through the wind seal rail bracket and into the striker clamp bracket. Tighten using a 5/16" wrench. Repeat for all brackets.



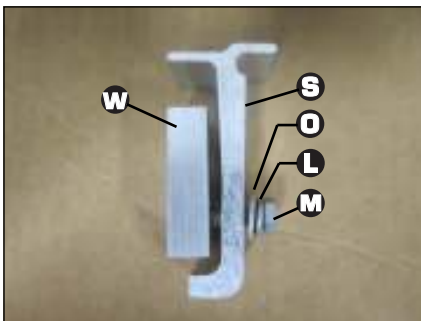
Using the 7/16" wrench, apply downward pressure to clamp assembly while tightening striker clamp bracket assembly to 70 in.lbs. (7.9 Nm). Repeat for all four clamp assemblies.

STEP THREE: ATTACH CENTER LATCH CLAMPS



POSITION CENTER LATCH BRACKETS:

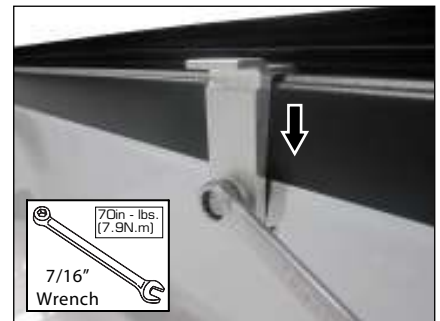
Use a tape measure to locate the center latch bracket (S). Beginning from the back edge of the striker clamp bracket mounted closest to the tailgate, locate the 24" mark on the tape measure. The rearward edge of the center latch bracket should be positioned at this point as seen in the images above.



PRE-ASSEMBLE CENTER LATCH BRACKETS:
Pre-assemble the center latch bracket (S) with a lock washer (L), a flat washer (O) and the inner clamp bracket (W).



POSITION CENTER LATCH BRACKETS:
Open the cover to its fully open position and install the center latch clamps as shown in the picture above.

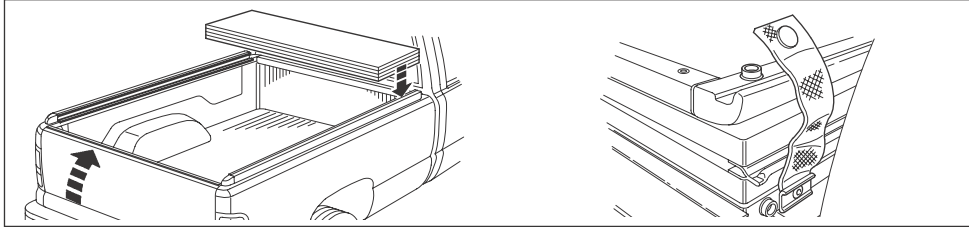


Using the 7/16" wrench, apply downward pressure to the clamp assembly while tightening center latch clamps to 70 in. lbs. (7.9 N. m.).

HARD FOLDING TONNEAU COVER INSTALLATION GUIDE

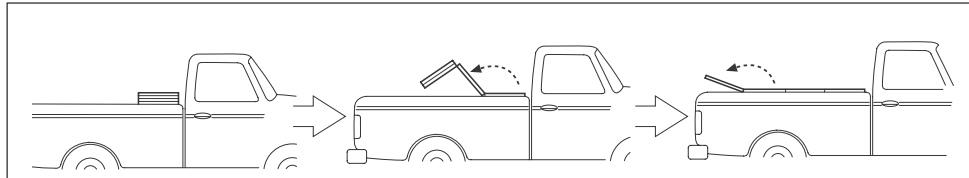
STEP FOUR: COVER ALIGNMENT

NOTE: Assistance may be required to perform this step.

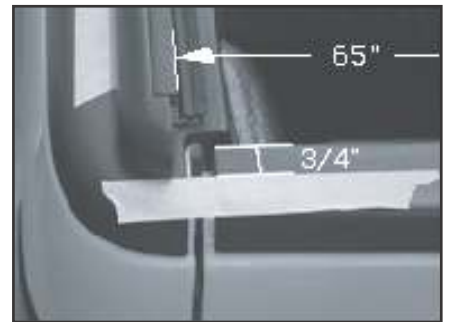
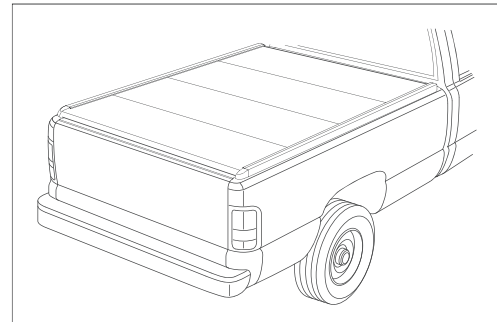


Carefully remove the folded cover from the shipping box and remove the packing materials from the corners of the cover. Place the cover between the windseal rails and release the snap restraints as shown in the images above.

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.

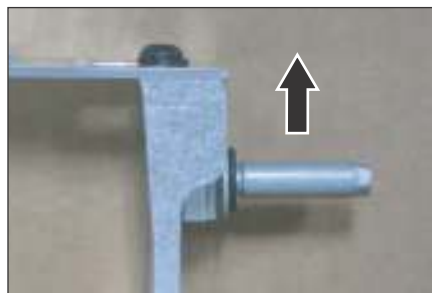


ADJUST PLACEMENT OF COVER:
Adjust the front and rear placement of the cover. Center the cover evenly and squarely from side to side on the truck bed.

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.

Recheck the position of the rails. To adjust the rails, loosen the bolts holding the striker clamp to the windseal rails. Loosen only enough to allow the rail to be shifted slightly. Once the rail is in the desired position, retighten these bolts.

STEP FIVE: INSERT STRIKER BOLTS



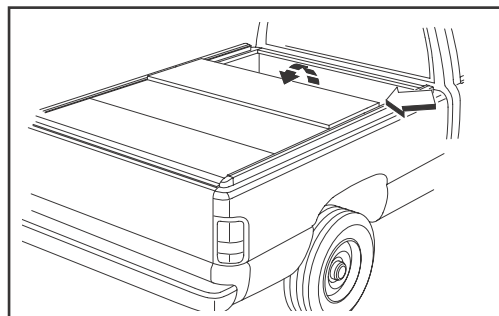
INSERT AND SECURE STRIKER BOLTS:
Pre-assemble the striker bolt (Q) with two flat washers (O) and the T-nut (R).

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

Finger tighten the striker bolt 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 as shown in the picture above.

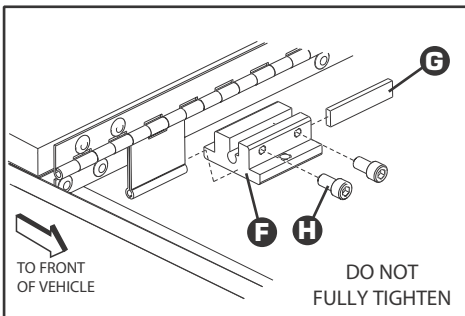
STEP SIX: SECURE COVER TO TRUCK BED



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.



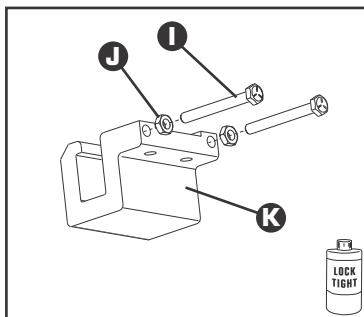
ASSEMBLE HINGE BRACKET

Assemble driver side and passenger side hinge brackets (F, G, H) finger tight as shown in the diagram and picture above.



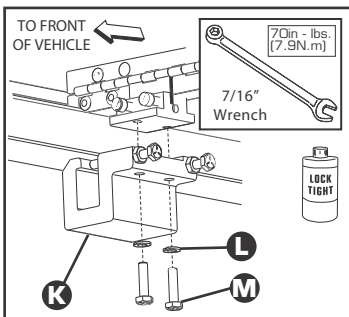
LOCK TIGHT

5/32" Ball End Allen Wrench



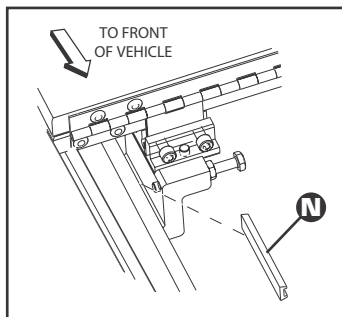
PREPARE C-CLAMP ASSEMBLY

Assemble driver side and passenger side C-clamp units (I, J, K). Thread the jam nut (J) all the way onto bolt (I) and thread them into C-clamp (K) as shown in diagram above.



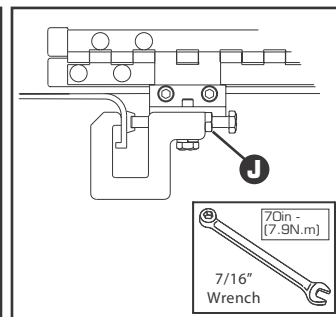
INSTALL C-CLAMP ASSEMBLY

Using bolts (M) attach the C-clamp units to the hinge brackets and tighten the bolts to 70 in. lbs. (7.9 N. m.).



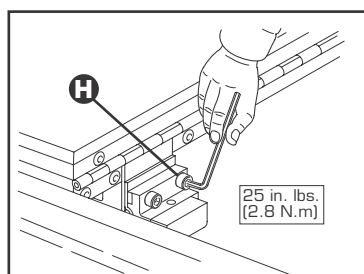
INSERT C-CLAMP SHIM

Insert the C-clamp shims (N) as shown in the diagrams above and thread the C-clamp bolts finger tight until the bolt contacts the center groove in the shim.



TIGHTEN BOLTS AND JAM NUTS

Make sure both C-clamp bolts contact the shim. The C-clamp assembly and shim should be parallel with the top of the truck bed. Avoid downward pressure on the C-clamp assembly as it is tightened. Check shim alignment and tighten the bolts to 70 in. lbs (7.9 N. m.). Tighten the jam nuts (J).



25 in. lbs. (2.8 N.m)



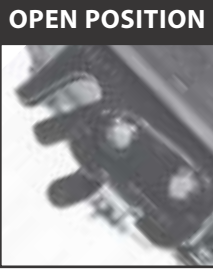
5/32" Ball End Allen Wrench

SECURE HINGE BRACKET BOLTS

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

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

STEP SEVEN: ALIGN & ADJUST ROTARY LATCHES



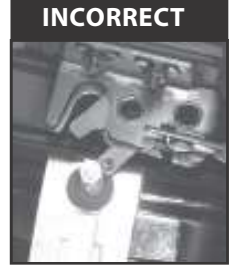
Open the tailgate of the truck. Make sure the rotary latches are in their open position on both panels.



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.

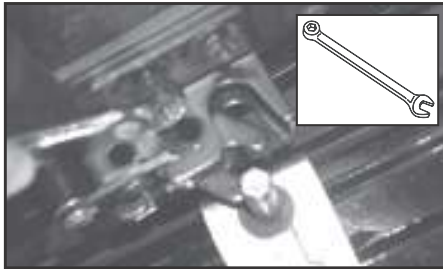


CORRECT



INCORRECT

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.



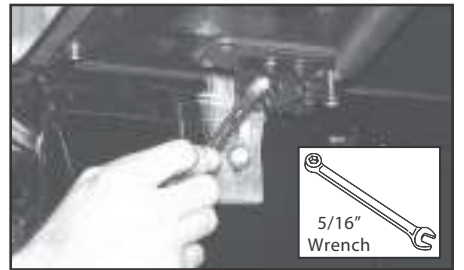
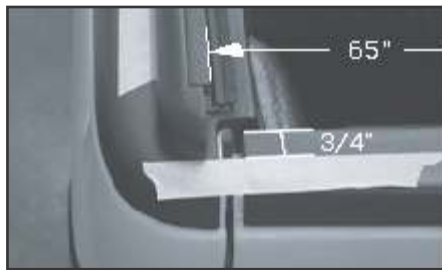
NOTE: (If the rotary latch can not be properly adjusted check the position of the striker clamp assemblies. Additional adjustment is available by loosening and repositioning the striker clamp bracket assembly)



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



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.



Return the cover to the closed position to make the vertical adjustment of the striker bolts. Use the 5/16" wrench to adjust the striker bolt height as shown in the picture above.



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)

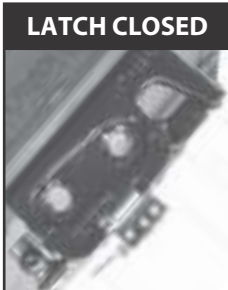


NOTE: Striker bolt setting may require readjustment after blade seals are installed in Step Ten.

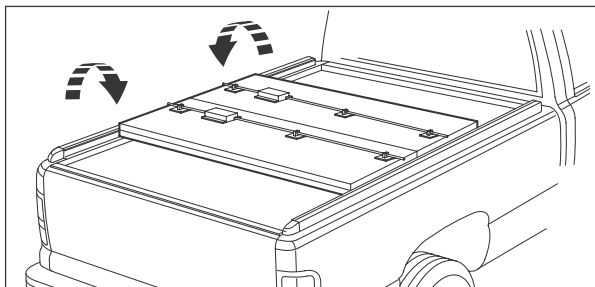
STEP EIGHT: ADJUST LATCH TIMING



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.

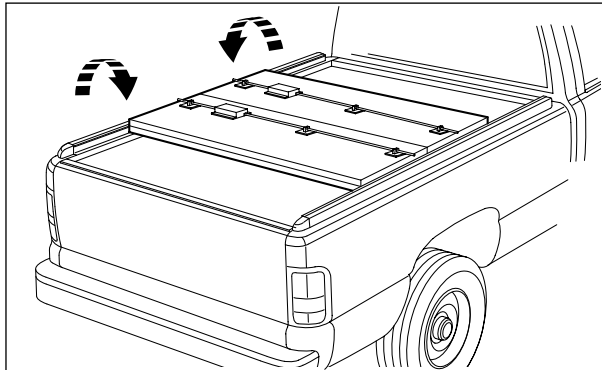
STEP NINE:

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.

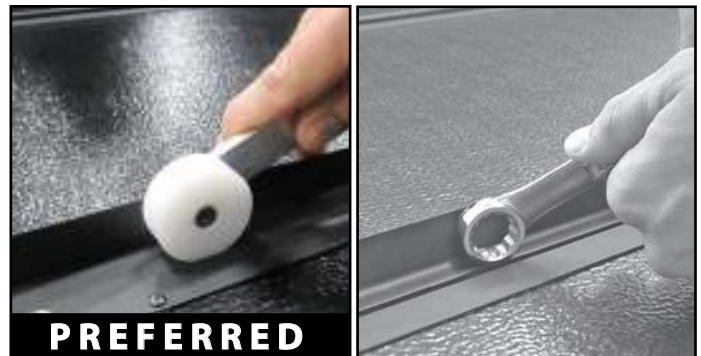


INSTALLATION OF NEW BLADE SEAL(S)

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.