TONNEAU INSTALLATION GUIDE

Warranty, Care & Maintenance

Model 4080 Toyota Tundra Crew Max
5.5' Short Bed 2007-Current
Includes additional Hardware Kit to install with Deck Rail System.

EASY AS 1-2-3!
NORMAL INSTALLATION TIME 30 MINUTES

For Warranty Issues, Contact UnderCover Directly
(866) 900-8800 www.undercoverinfo.com

FORM # IG4080HH
Modified Jan 2010
**PRE-INSTALLATION NOTES**

1. Be sure to use only cleaners, waxes, etc., which are labeled ‘Safe for Plastics’. Make sure that chemicals or substances, which are not labeled ‘safe for plastics’, do not come in contact with your Undercover. Failure to do so could cause discoloration and/or structural damage to your Undercover and will void your warranty.

2. Paint rubbing of the truck is normally not a problem, but is always a possibility with any tonneau. To ensure less chance of possible paint rubbing of the truck, it is suggested to install a tailgate protector and adhere Cab Skin®, Scotch Cal®, or similar product to the truck bed. These products can provide added assurance against paint rubbing.

3. Undercover Tonneaus are designed from trucks that do not have a bed liner (spray-in bed liners pose no problem). Trucks that do have under-the-rail or over-the-rail bed liners will require some minor trimming of the bed liner to ensure proper placement of the mounting brackets. Due to the wide variety of bed liner manufacturers, the modifications will vary slightly between different brands. Any modifications must be made to the bed liner and NOT to the Undercover mounting hardware. Modifications to the mounting hardware will result in improper installation and will void your warranty.

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**INSTALLATION KIT CHECKLIST**

- A: 2 Hydraulic Struts
- B: 2 Forward Mounting Brackets
- C: 2 Rear Mounting Brackets
- D: 4-Bar Hinge with Twist Knobs (mounted to the Cover)
- E: 2 J-Hooks & Wall Mounting Screws
- F: 8 Clamps with 5/16” x 1 1/4” Stainless Steel Bolts, 5/16” Washers and 5/16” Lock Washers

G: Extra parts for Deck Rail System (packaged separately). See page 7 for installation.

8 1-inch Bolts
8 Square Nut Plates
Use Washers and Lock Washers from original kit.

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UNDERCOVER INSTALLATION TOOLS NEEDED

NO DRILLING!

3/8” WRENCH OR SOCKET

1/2” WRENCH OR SOCKET

NORMAL INSTALLATION TIME

30 MINUTES

QUICK REMOVAL & REINSTALL REVIEW

Note: If your Tonneau has already been installed, skip to Page 13 for removal and reinstallation instructions.

Off your truck and on your wall in less than one minute!
EASY AS 1-2-3
UNDERCOVER INSTALLATION INSTRUCTIONS

A) Place the rear bracket according to the measurements on Page 4, Figure 1, Pictures A & B.

B) Use two of the holes in rear bracket which are unobstructed by the truck bed, (there will be four to choose from), one hole as far forward as possible and one hole as far back as possible (this will vary depending upon truck model) Page 4, Figure 2.

C) Place a 5/16” x 1 1/4” bolt with a 5/16” lock washer and a 5/16” washer through the hole in bracket Page 4, Figure 3. Place clamp on backside of bracket behind the bed lip of the truck. Thread the bold into the clamp and tighten being careful to not let the clamp twist while tightening. Make sure bracket is held down tightly against truck bed rail before tightening. Repeat procedure for second clamp. Mounting bracket bolts must be tightened down without bending the bracket. Keep the clamps straight and do not let them turn while tightening Page 4, Figure 3, Picture C & D.

Note: If truck is equipped with the Deck Rail system see supplemental instructions pages 7 & 8.

WARNING! Do not over tighten and distort the brackets. Bolts must be checked for tightness periodically. Failure to do so could cause serious damage to both the truck and/or your UnderCover.

D) Repeat Steps A through C for opposite side of the truck bed.

Footnote: The bolts should be tightened securely, stop tightening at the first sign of the bracket distorting.
Toyota Tundra 5.5' Short Bed 2007-Current. Proper position for Bolt Screws and Clamps.

Figure 1
- SIDE RAIL
- REAR BRACKET
- BALL STUD
- STRIKER
- FRONT BULKHEAD
- 38 3/4" TO BRACKET EDGE

Figure 2
- BEDRAIL
- REAR BRACKET
- LOCK STRIKE
- BALL STUD
- HOLES 2 or 3 which ever fits better
- LIGHT WELL/STAKE POCKET
- TAIL GATE

Figure 3
- REAR BRACKET
- TRUCK BED RAIL
- BED LIP
- CLAMP
- 5/16" LOCK WASHER
- 5/16" WASHER

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EASY AS 1-2-3
UNDERCOVER INSTALLATION INSTRUCTIONS

STEP 2
Front Mounting Bracket

A Install your front mounting bracket using the measurements on Page 6, Figure 4. Using a tape measure place the rear end of the front bracket 17” from the inside wall of the bulkhead. Follow the same steps on the opposite side.

B Now using C clamps provided place 5/16 x 1 1/4” bolt with 5/16” lock washer and 5/16” washer through the hole in the front bracket and thread in the C clamp as shown on Page 6, Picture A. Each side will require 2 clamps. Do not completely tighten down the clamps at this point, rather insure that they are secure using a ½”socket or wrench. You may need to make some slight adjustments once the cover is in place in order to line up the cover with the bed and avoid rubbing. After you have test fit the cover and feel that the brackets do not require any further adjustment you should then tighten down front bracket clamps to the proper tightness (See footnote below). On Page 8 you can find instructions as to how best to test fit your cover and how to make any adjustments to your front brackets (if necessary).

C You are now ready to install your cover and test for proper fit with the bed rails of your truck. Mounted to your covers are both a left and right 4 bar hinge. See Page 6, Figure 5, Picture B. With some assistance, lift the cover up and over the bed bringing the 4 bar hinges over the front brackets see Page 6, Figure 5, Picture C. Your front brackets have 2 mounting posts, see Page 6, Figure 5, Picture D. The 4 bar hinges attached to your cover have 2 slots on each that slide over the mounting post fixed to the bracket on your truck. Set the cover down sliding the slots over the post on both sides. See Page 6, Figure 6, Picture E.

D The cover should be resting on the bed rail of your truck with a larger than normal overhang at the tail gate. See Page 9, Picture F. From the rear of the truck you should now be able to push the cover forward sliding the mounting post into the slots of the 4 bar hinge. See Page 9, Picture G. Your cover should now be locked into place and you are ready to tighten the twist knobs on the 4 bar hinge into the front brackets. Only hand tighten this and secure as much as possible. See Page 9, Picture H. You may need to remove the cover to make adjustments to the front bracket to line up the cover with the bed.

Footnote: The bolts should be tightened securely, stop tightening at the first sign of the bracket distorting.
FRONT MOUNTING BRACKET INSTRUCTIONS

Figure 4

TRUCK BED TOP VIEW

- FRONT BRACKET
- SIDE RAIL
- REAR BRACKET
- BALL STUD STRIKER
- FRONT BULKHEAD
- TAIL GATE

PASSENGER SIDE

Figure 5

MOUNTING POSTS

PASSENGER SIDE

Figure 6

- FRONT BRACKET MOUNTED TO BED RAIL
- MOUNTING POST
- HINGE SLOTS
- 4-BAR HINGE PRE-MOUNTED TO COVER
- TWIST KNOB

PASSENGER SIDE
PRE-INSTALLATION NOTES

![NOTE: Supplemental Instructions, only for trucks equipped with Deck Rail System.]

Additional Hardware Kit is provided with your installation package. Use the included 1" bolts and the square nut plates in place of the traditional 1 1/4" bolts and c-clamps. Use the washers and lock washers from the traditional kit.

DECK RAIL INSTALLATION INSTRUCTIONS

Bracket Installation with Toyota Deck Rail System

1. You must remove Deck Rail end caps before installing the UnderCover hardware. See Page 8, Picture A. If you have Tundra accessories such as tie-down cleats, you can slide them to the center of the deck rail or you may remove them prior to installing the UnderCover bracket system. (Page 8, Picture B shows the proper position of the cleats once you have installed UnderCover Hardware.)

2. Follow the instructions for installing the Rear Mounting Brackets on Page 3, Step 1. Use the square nut plates in place of the clamps. Slide the square nut plates into the Deck Rail track and attach the rear bracket using the 1" bolts, washers, and lock washers. See Page 8, Picture C & D. If you have not already installed your cleats, you may wish to do so now, before installing your front bracket.

3. Follow the instructions for installing the front mounting brackets on Page 5, Step 2. Use the square nut plates in place of the clamps. Slide the square nut plates into the Deck Rail track and attach the front bracket using the 1" bolts, washers, and lock washers. See Page 8, Picture E & F.

Note: With the exception of Pages 7 & 8 the installation instructions are the same for both with and without the Deck Rail System. Be sure bolts are tightened properly before proceeding.
TOYOTA TUNDRA DECK RAIL SYSTEM

A. Remove End Caps before inserting Cleats (if you wish to use them), then Square Nut Plates.
B. How to position Cleats before installing Brackets.
C. Slide Square Nut Plates in place for Rear Bracket.
D. Install 1-inch bolt and washers into square nut plates.
E. Insert square nut plates for front mounting bracket.
F. Insert 1-inch bolt and washers, and tighten.

Cleats
Rear Bracket
UNDERCOVER INSTALLATION INSTRUCTIONS

Slots on 4 bar hinge should be sitting on mounting post ready to be pushed into position.

Push 4-bar hinge slots into mounting post securing hinge system.
Very Important: Periodically check your truck for rubbing. Make slight adjustments when necessary.

The measurements given for the front brackets on step 2 are just a starting point. These measurements will work for a large percentage of trucks. Unfortunately not all truck beds are assembled 100% square, so some adjustments may be necessary.

With your cover closed, take a quick inspection to make sure that it is not touching the bed on either side or the tailgate. If it appears square or close to square go on to Step 3, pages 11 and 12. If it is making contact with the side of the truck or the tailgate, you may wish to make some adjustments before going to the final step.

To adjust the cover front to back evenly, move both of the front brackets forward or backward accordingly. To adjust one side or the other, move the front brackets forward or backward independently.

Any questions you can call tech assistance Monday through Friday, 8 a.m. – 5 p.m. Central Time (866) 900-8800.
FACT:
In less than one minute, you can both take on and off the Undercover tonneau. Fastest removal system in the industry.

A. Install hydraulic struts making sure LARGE end of strut is attached to the tonneau, and SMALL or rod end is attached to the ball stud on rear bracket Page 12, Figure 7, Picture A.

B. Be sure that the front flap seal hangs over the bulkhead of the truck and is not rolled under the tonneau after installation. If flap seal is rolled under the tonneau, open the tonneau, and from the inside push the flap seal out from under the tonneau and over the bulkhead Page 12, Figure 8, Picture B.

C. Close tonneau and check length on the truck. There should be 1/8" -to- 3/8" gap between the tailgate and the tonneau. If this is not correct, adjust by moving front brackets forward or backward to achieve correct length. Front brackets may also have to be adjusted independently to “square-up” tonneau on some truck beds.

D. Adjust lock strikes Page 12, Figure 9, Picture C. When adjusted properly you should be able to turn the key to the locked position without having to push down on the tonneau. There should be a very slight amount of play between the lock cam and lock strike. A good rule of thumb is to adjust the lock to have approximately 1/8" gap between the cam and lock strike with the truck tailgate down. This usually gives you the proper adjustment after the tailgate is shut Page 12, Figure 9, Picture D.

WARNING: It is very important to be able to turn the key without any resistance. Do not try to force the lock cam to turn if you encounter resistance. This could result in a broken key or broken lock. Adjustment may be necessary to the lock strike plate to achieve a smooth turn without any resistance.
Congratulations! Your 30-minute installation job is now complete. Now, in less than one minute, you will be able to put on and take off your tonneau cover.

UNDERCOVER REMOVAL & REINSTALLATION INSTRUCTIONS

1 Minute Removal

**STEP 1** Release strut off of ball stud *Picture B*. Holding tonneau up with one hand, place loose end of strut on storage clip *Picture C*. Repeat for the other side.

**STEP 2** Turn twist knobs until they release *Picture A*.

**STEP 3** Go to the rear of the truck and pull Tonneau cover back, releasing the post from the hinge slot, *Picture D*. You are now ready to lift the cover off.

1 Minute Re-Install

**STEP 1** Place tonneau on the truck and follow instructions on *Page 7*.

**STEP 2** Be sure that the front flap seal is hanging over the bulkhead and not rolled under, see *Picture E* on this page.

**STEP 3** Reinstall struts as seen in pictures *Pictures F and G* on this page.
Prior to removing the tonneau, mount the two J-Hooks provided on the garage wall. The hooks must have a minimum height from the floor of 84", and be 32" on center horizontally apart Picture A & B.

Remove your tonneau from the truck bed according to instructions on Page 13.

Hang tonneau vertically on the wall-mounted J-Hooks, with the underside against the wall inserting J-Hooks into the holes provided in Picture C & D.
Congratulations! You’ve just installed the fastest-selling, highest-quality tonneau in the industry. Thank you very much for your purchase of UnderCover!

David Wells
President
UnderCover, Inc.

For any Warranty issues, contact UnderCover directly.