

Installation Instructions

TRUXmart Smart-Fold with Smart-Latch System

*for trucks without
factory utility tracks

***NOTE: This installation requires the use of some tools. If you are not familiar or comfortable with using basic tools please seek professional installation for best results.**

Tools Required for Installation

17MM Wrench or Ratchet

Scissors or Exacto Knife

Each TruXmart tonneau cover comes with its own serial number. This serial number uniquely identifies your cover. You must use this serial number when registering your product for warranty activation. Please register your products warranty online at www.Truxmartcovers.com. Failure to register your products warranty within 30 days of purchase will void your products warranty.

Contents

OPTIONAL / FREE GIFT

TruXmart Smart Light

Free LED light (batteries not included) to be used as portable truck bed light. Comes with adhesive backed Hook & Loop strips to fasten to inside of truck bed. Peel off as needed and use as a portable LED flashlight.

Set of 1

Tailgate Seal

To be used for around tailgate or sealing any gaps.

Set of 1

Front Clamp Pads

To be used as additional padding under front clamps.

Set of 2

Spare Hardware Kit

To be used to replace any broken nuts or bolts in front latch assembly.

Set of 2 Long
Set of 2 Short

REQUIRED FOR INSTALL

1A - Front Latch Knob

To be installed after front latch hook and used to tighten front latch hook to bed rail lip of truck. Not pre-installed to avoid knobs crossing cover during shipping.

Set of 2

1B - Plastic Shims

Adhesive backed shims to be used to level Smart Latch Brackets. Cut to length needed.

Set of 2

2A - Clamps

Used to install Smart Latch brackets to inside of truck bed. 17MM bolt used to tighten clamp.

Set of 4 (two per bracket)

2B - Smart Latch Brackets

These brackets are what the Smart Latches engage too. Have grooved front for clamps to grip too as well as foam padding on back of brackets to avoid damaging truck bed roll lip.

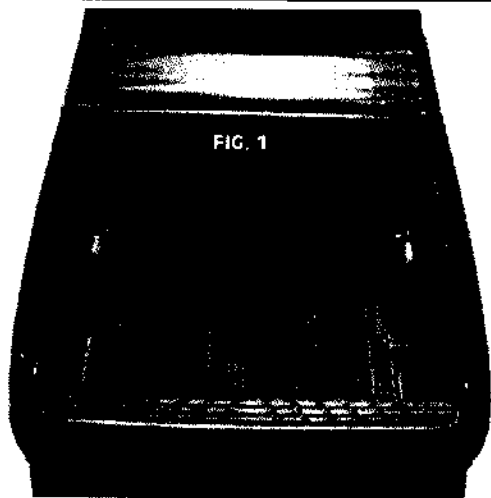
Set of 2

STEP 1

REMOVE TONNEAU COVER FROM PACKAGE. IF NOT INSTALLED, INSTALL FRONT LATCH KNOB (1A) ON FRONT LATCH ROD (FIGURE 2). TIGHTEN UNTIL THREADED ROD PASSES THROUGH THE BOTTOM OF THE KNOB.

NEXT, PLACE COVER IN FOLDED POSITION ON FRONT OF TRUCK BED (FIGURE 1). ENSURE THAT COVER IS SQUARE AND EVEN ON BOTH SIDES AND FRONT OF TRUCK BED. ADJUST COVER UNTIL IT IS COMPLETELY SQUARE ON FRONT OF TRUCK BED. ONCE THE TONNEAU COVER APPEARS TO BE PLACED SQUARELY ON TRUCK BED YOU MAY UNBUCKLE THE TWO SAFETY STRAPS SO COVER CAN BE UNFOLDED AND SECURED IN STEP 3.

FIG. 1



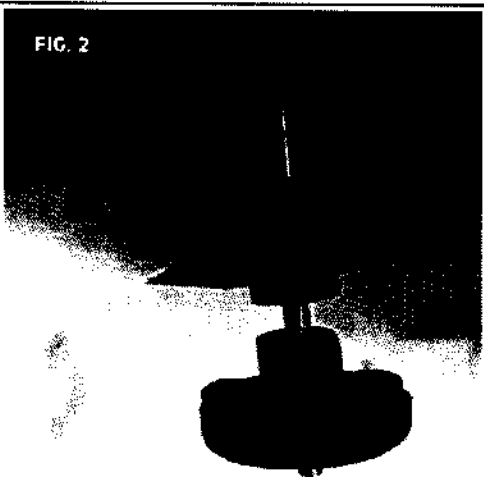
STEP 2

PLACE FRONT LATCH HOOK UNDER BED RAIL LIP (FIGURE 2) AND BEGIN TURN KNOB TO TIGHTEN FRONT LATCH HOOK TO THE TRUCKS BED RAIL LIP. TO TIGHTEN YOU MUST TURN KNOB CLOCKWISE (TO THE RIGHT) - TURN COUNTER CLOCKWISE (TO THE LEFT) TO LOOSEN. TIGHTEN UNTIL LATCH HOOK IS SNUG TO THE TRUCKS BED RAIL LIP. REPEAT THIS STEP FOR BOTH SIDES OF THE TONNEAU COVER.

NOTES - DO NOT OVER TIGHTEN FRONT LATCH - OVER TIGHTENING WILL DAMAGE THE COVER AND ITS FRAME. TIGHTEN ONLY UNTIL THE LATCH IS SNUG AND COVER IS FIRMLY ATTACHED TO THE TRUCKS BED.

-YOU MAY USE THE SUPPLIED CLAMP PADS IN PACKAGE. PLACE PAD BETWEEN TRUCK BED RAIL LIP AND THE FRONT LATCH HOOK. THE CLAMP PADS ARE PEEL AND STICK - SIMPLY PEEL OFF PLASTIC BACKING AND STICK TO LATCH HOOK BEFORE TIGHTENING.

FIG. 2



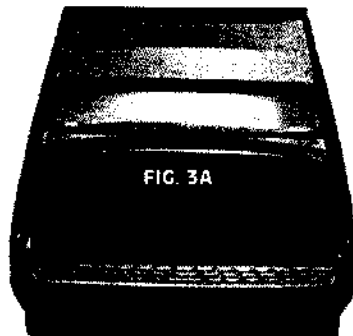
STEP 3

UN-FOLD TONNEAU COVER SO THAT IS COMPLETELY CLOSED (FIGURE 3A / 3B). INSPECT ALIGNMENT AND INSURE THAT IT IS INSTALLED COMPLETELY EVEN TO THE TOP OF YOUR TRUCK BED.

TO ADJUST SIMPLY FOLD UP (FIGURE 1), LOOSEN FRONT LATCH HOOKS, AND ADJUST COVER TO DESIRED POSITION ON TRUCK BED, THEN RE-TIGHTEN FRONT LATCH HOOKS.

REPEAT UNTIL COVER IS INSTALLED COMPLETELY EVEN ON ALL SIDES OF YOUR TRUCKS BED.

FIG. 3A



NEED MORE INFORMATION?

SMART FOLD INSTALLATION ON GMC SIERRA (VIDEO)

TRUXMART SMART LIGHT INSTALLATION (VIDEO)

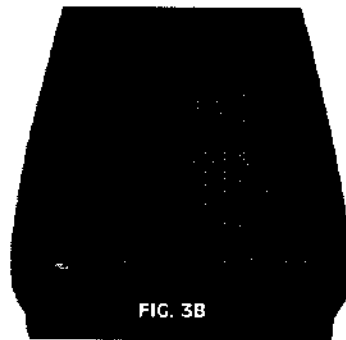
CHANGE THE POSITION OF YOUR FRONT LATCH ROD (VIDEO)

THEN GO TO OUR VIDEOS SECTION AT

WWW.TRUXMARTCOVERS.COM

OR SEARCH "TRUXMART" ON WWW.YOUTUBE.COM

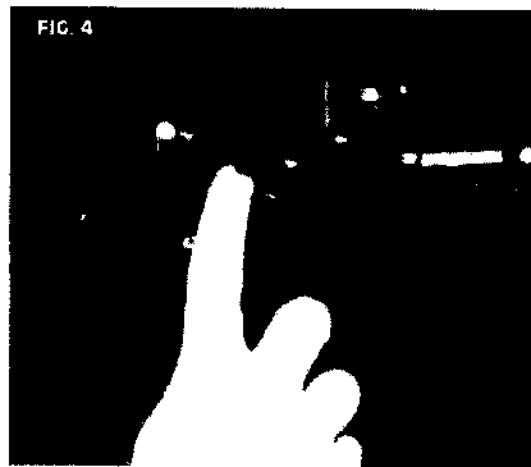
FIG. 3B



STEP 4

WITH THE COVER UN-FOLDED AND IN THE "CLOSED" POSITION. PUSH DOWN ON THE TOP OF THE COVER THEN REFERENCE AND MARK THE LOCATION OF THE SMART LATCHES ON THE TONNEAU COVER TOO YOU TRUCK BED RAIL LIP (FIGURE 4) . IT IS AS THIS LOCATION THAT YOU WILL BE INSTALLING THE SMART LATCH HARDWARE (BRACKETS 2B AND CLAMPS 2A). ENSURE THE LOCATION YOU MARK IS ACCURATE.

FIG. 4



STEP 5

AT THE LOCATION MARKED IN STEP 4, TAKE THE SUPPLIED BRACKET 2B AND HOLD AGAINST TRUCK BED RAIL LIP. PLACE BRACKET SO THAT THE TOP OF THE BRACKET IS SLIGHTLY HIGHER THAN TOP OF BED RAIL (FIGURE 5). THE PADDED SIDE OF THE BRACKET IS TO BE AGAINST TRUCK BED RAIL LIP AND GROOVED SIDE IS TO FACE TOWARDS THE INSIDE OF YOUR TRUCK BED.

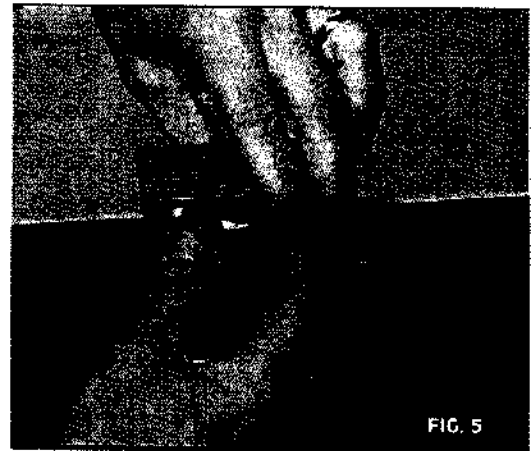


FIG. 5

STEP 6

WHILE HOLDING BRACKET IN PLACE TAKE TWO OF THE FOUR SUPPLIED CLAMPS 2A AND PLACE THEM SO THEY CAN CLAMP BRACKETS 2B TO THE BED RAIL LIP. SLIDE ONE CLAMP ON BRACKET 2B AND FINGER TIGHTEN CENTER BOLT (IF POSSIBLE) UNTIL IT REMAINS ATTACHED. IF YOU ARE UNABLE TO TIGHTEN THE CENTER BOLT BY HAND PLEASE USE A 17MM WRENCH OR RATCHET. THEN ATTACH SECOND CLAMP NEXT TO PREVIOUSLY INSTALLED CLAMP AND FINGER TIGHTEN CENTER BOLT UNTIL IT REMAINS IN POSITION (FIGURE 6A)

REPEAT THIS STEP FOR BOTH SIDES OF THE TRUCK.

NOTES

- MAKE SURE TOP OF BRACKET 2B IS SLIGHTLY HIGHER THAN TOP OF BED RAIL LIP.
- MAKE SURE ALL CLAMPS AND BRACKETS ARE STRAIGHT AND NOT INSTALLED ON AN ANGLE (FIGURE 6B SHOWS PROPERLY INSTALLED BRACKETS AND CLAMPS)
- INSTALL CLAMPS 2A AS HIGH UP THE BASE OF BRACKETS 2B AS POSSIBLE SO THAT BRACKETS ARE HELD IN PLACE PROPERLY (FIGURE 6A & 6B)
- ***DO NOT TIGHTEN CLAMPS YET***

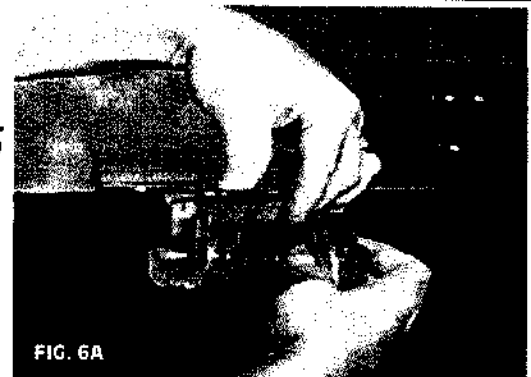


FIG. 6A

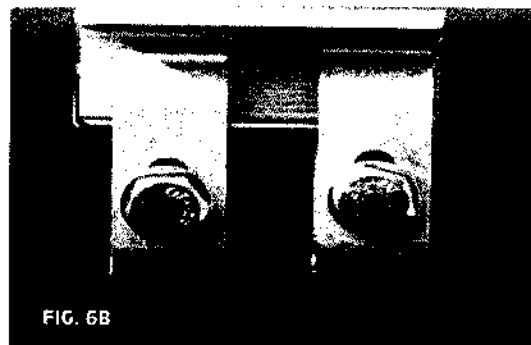


FIG. 6B

STEP 7

SOME INSTALLATIONS WILL REQUIRE THE USE OF THE SUPPLIED PLASTIC SHIMS 1B. THE PLASTIC SHIMS ARE TO BE USED TO KEEP THE TOP OF BRACKETS 2B LEVEL TO TOP OF YOUR TRUCKS BED RAIL LIP. THESE SHIMS ARE TO BE CUT TO LENGTH AND HAVE AN ADHESIVE BACKING SO THAT THEY CAN BE PEELED AND ADHERED TO YOUR TRUCKS BED RAIL LIP. IF THE BRACKETS ARE NOT PROPERLY SHIMMED THE SMART LATCH SYSTEM WILL NOT FUNCTION PROPERLY.

THE TOP OF BRACKET 2B MUST BE SLIGHTLY HIGHER THAN THE TOP OF THE TRUCKS BED RAIL AND CANNOT BE ANGLED DOWNWARDS TOWARDS THE INSIDE OF YOUR TRUCKS BED (FIGURE 7A). IF THE TOP OF BRACKET 2B IS ANGLED DOWNWARDS THE SMART LATCH WILL NOT BE ABLE TO ENGAGE TOO IT OR IT WILL REQUIRE EXCESSIVE PUSHING ON THE COVERS FRAME TO SUCCESSFULLY ENGAGE. FIGURE 7B SHOWS THAT BY PLACING STRIPS OF SHIMS AT THE BASE OF THE BRACKET IT WILL LEVEL THE BRACKET SO THAT THE SMART LATCHES CAN EASILY ENGAGE TO THE BRACKETS. TRUCKS WITHOUT PLASTIC BED RAIL CAPS WILL SOMETIMES REQUIRE UP TO THREE STRIPS OF SHIMS TO BE INSTALLED AT THE BASE OF THE BRACKET. TRUCKS WITH PLASTIC BED RAIL CAPS WILL USUALLY REQUIRE ONLY ONE SHIM TO BE USED (FIGURE 7C). BEFORE ADHERING SHIM STRIPS TO YOUR TRUCKS BED RAIL LIP, PLEASE THOROUGHLY CLEAN YOUR TRUCKS BED RAIL LIP SO THAT SHIMS CAN ADHERE PROPERLY, ALLOW 5-10 MINUTES FOR ADHESIVE TO SETTLE PRIOR TO INSTALLING CLAMPS.

BARE METAL BED RAIL

BRACKET INSTALLED WITH NO SHIMS.

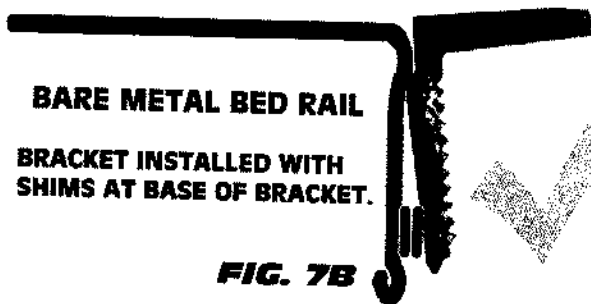
FIG. 7A



BARE METAL BED RAIL

BRACKET INSTALLED WITH SHIMS AT BASE OF BRACKET.

FIG. 7B



BED RAIL WITH PLASTIC BED RAIL CAP INSTALLED.

TRUCKS WITH PLASTIC BED CAPS WILL REQUIRE FEWER SHIMS TO BE INSTALLED, IF ANY.

FIG. 7C

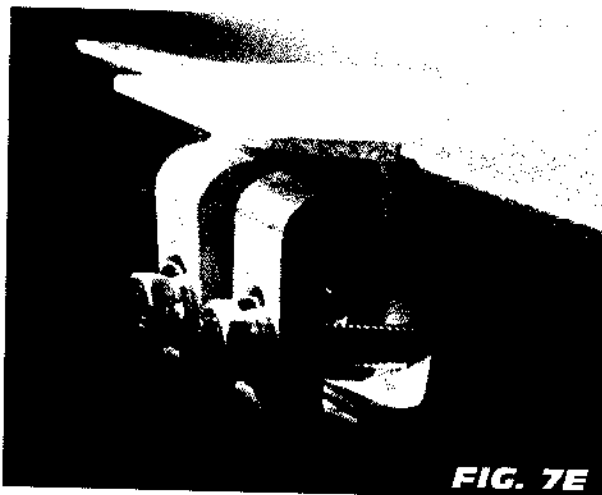
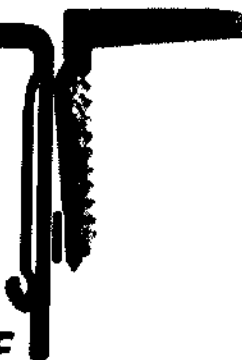


FIG. 7E

NOTES

REFERR TO FIGURE 7E FOR AN EXAMPLE OF PROPERLY INSTALLED BRACKET ON A NEWER DODGE RAM 6.5' BED.

IT IS COMMON TO HAVE TO "PUSH" ON THE FRAME OF THE TONNEAU COVER TO GET THE SMART LATCHES TO ENGAGE WHEN THE COVER IS NEWLY INSTALLED. THE VINYL COATED TARP ON THE TRUXMART SMART FOLD IS DESIGNED TO BE TIGHT SO TO AVOID FLAPPING AND WIND NOISE. THE COVER WILL ACCLIMATE OVER A PERIOD OF ONE TO THREE MONTHS. OVER THIS TIME IT WILL BECOME EASIER TO OPEN AND CLOSE.

TRUXMART SMART FOLD COVERS CAN BE CLOSED WITH THE TAILGATE UP OR DOWN. HOWEVER, IT IS EASIER TO CLOSE WITH THE TAILGATE DOWN (OPENED). TO CLOSE YOUR TRUXMART COVER IT IS SUGGESTED TO PUSH DOWN FROM THE TOP OF THE TONNEAU COVER DIRECTLY ON THE ALUMINUM CROSSMEMBER BAR THAT THE SMART LATCHES ARE ATTACHED TOO. (FIGURE 7D).

WHEN INSTALLING BRACKETS 2B IT IS RECOMMENDED TO ADD SHIMS TO THE BASE OF THE BRACKET BEFORE RAISING THE ACTUAL HEIGHT OF THE BRACKET, WHEN NECESSARY. SHIMMING THE BASE OF THE BRACKET WILL RAISE THE TOP EDGE OF THE BRACKET WHILE STILL KEEPING THE BRACKET REASONABLY FLUSH TO THE TOP OF YOUR TRUCKS BED RAIL. YOU MAY RAISE HEIGHT OF BRACKET IF REQUIRED IF YOU NO LONGER WISH TO ADD ANY MORE SHIMS TO THE BASE OF BRACKET 2B.



FIG. 7D

STEP 8

ONCE BRACKETS ARE INSTALLED AND SHIMMED (IF NECESSARY) PLEASE MAKE SURE BRACKETS AND CLAMPS ARE STRAIGHT AND EVEN AND BEGIN TO TIGHTEN THE 17MM CENTER BOLTS ON EACH BRACKET. TIGHTEN ALL FOUR BRACKETS ON BOTH SIDES OF YOUR TRUCK. DO SO ONLY ONCE YOU'VE INSTALLED BRACKETS CORRECTLY. TIGHTEN BOLTS UNTIL BRACKETS ARE FIRMLY IN PLACE. DO NOT OVER TIGHTEN. (FIGURE 8A)



NOTE THAT YOU MAY SLIDE THE SMART LATCHES IN OR OUT BY SIMPLY LOOSENING THE TWO PHILLIPS HEAD SCREWS LOCATED IN THE BODY OF THE LATCH. THIS ALLOWS YOU TO MAKE MINOR ADJUSTMENTS AS REQUIRED SO THAT THE SMART LATCHES CAN FULLY ENGAGE TO THE BRACKETS. (FIGURE 8B)

FIG. 8B

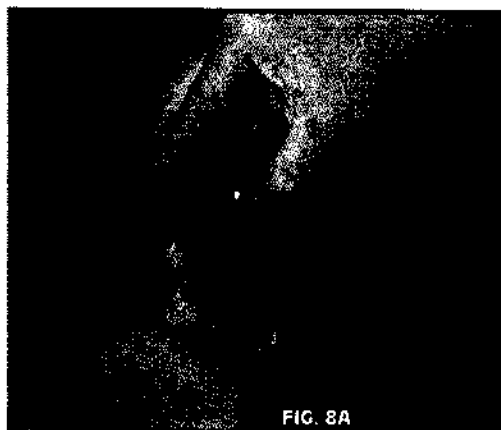


FIG. 8A

STEP 9

TEST THE INSTALLATION BY CLOSING YOUR TONNEAU COVER AND PUSHING DOWN ON THE TOP OF THE COVER TO ENGAGE THE LATCHES (FIG. 7D). PLEASE NOTE THAT YOU WILL HAVE TO PUSH DOWN ON EACH SIDE OF THE TRUCK TO SECURE THE COVER IN THE "CLOSED" POSITION. AS THE TARP OF THE COVER ACCLIMATES, YOU MAY BE ABLE TO SLAM THE COVER SHUT. ALWAYS ENSURE THAT THE LATCHES ARE FULLY ENGAGED AND SECURE WHEN COVER IS CLOSED PRIOR TO DRIVING.

IF YOU ARE EXPERIENCING DIFFICULTY PLEASE REFER TO THE TECHNICAL ASSISTANCE SECTION BELOW.

Technical Assistance

SMART LATCHES DO NOT REACH ONE OR BOTH BRACKETS

-SLIDE LATCHES OUT BY LOOSENING THE TWO PHILLIPS (STAR) HEAD SCREWS IN THE CENTER OF THE LATCHES. TIGHTEN SCREWS AFTER ADJUSTMENT IS MADE (FIGURE 8B)

COVER IS HARD TO LATCH SHUT

-IF THE COVER IS NEW, ALLOW 30-90 DAYS FOR COVERS TARP TO ACCLIMATE. IF PROBLEM PERSISTS, ADD ADDITIONAL SHIMS TO BASE OF BRACKET TO RAISE BRACKETS HEIGHT. IF NO MORE SHIMS CAN BE ADDED RAISE BRACKET(S) VERY SLIGHTLY UNTIL COVER IS EASIER TO CLOSE.

COVER IS TOO HIGH / NOT MAKING ADEQUATE SEAL AT REAR (TAILGATE END)

-BRACKETS HAVE BEEN INSTALLED TOO HIGH EITHER REMOVE SHIMS FROM BASE OF BRACKET(S) OR LOWER POSITION OF BRACKET(S) UNTIL COVER MAKES ADEQUATE SEAL.

WATER COMING INTO TRUCK BED FROM CORNERS

-USE "FREE TAILGATE SEAL" FOAM TAPE TO SEAL ANY GAPS IN COVERS CORNERS. SEAL CAN BE CUT WITH REGULAR SCISSORS.

HARD TO OPEN WHEN PULLING RELEASE CABLE

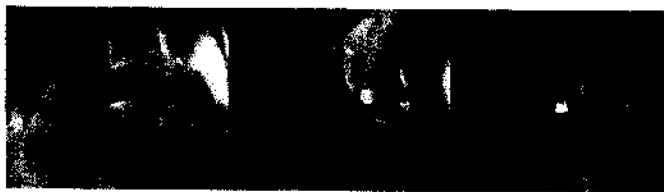
-IF YOU FEEL YOU HAVE TO PULL TOO HARD ON THE RELEASE CABLE TO OPEN YOUR COVER, PLEASE PUSH DOWN ON THE COVER WHILE PULLING THE CABLE. THE TENSION IS CAUSED BY THE PRESSURE OF THE LARGE RUBBER O-SEALS BEING COMPRESSED ON COVER TO KEEP THE ELEMENTS OUT.

ONE SIDE LATCH NOT FULLY ENGAGING

-MAKE SURE THAT YOUR COVER IS SQUARE ON TRUCK BED. LOOSEN FRONT CLAMPS AND ADJUST ALIGNMENT AS NEEDED. IF PROBLEM PERSISTS SLIDE SMART LATCH OUT AS NEEDED BY LOOSNING PHILLIPS (STAR) SCREWS IN LATCH BODY (FIGURE 8B).

***NOTE**

WHEN YOUR COVER IS FOLDED IN THE "OPEN POSITION" PLEASE USE BOTH STRAPS AND BUCKLES TO HOLD THE COVER OPEN. ONCE BUCKLED, PULL ON THE LOOSE END OF THE STRAP TO TIGHTEN ANY SLACK AND TO KEEP YOUR COVER DOWN. THIS WILL REDUCE RESISTANCE AND THE POSSIBILITY OF YOUR COVER BLOWING OFF.



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