



2003 - 2006
Tundra, Stepside
Installation Guide

PRODUCT CODES:

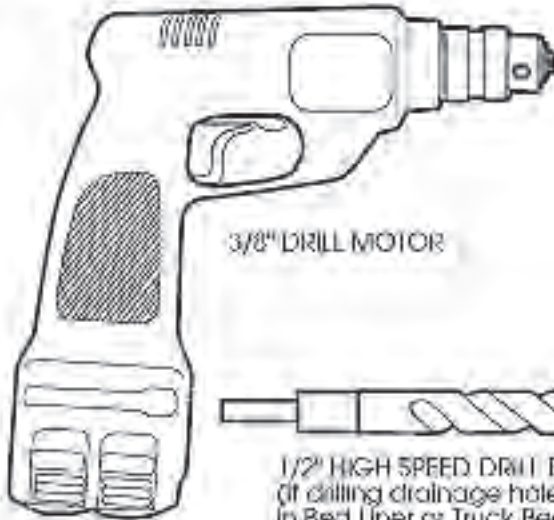
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Revised June 2007

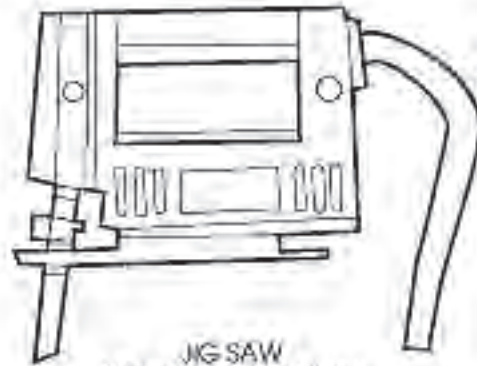
ROLL-N-LOCK CORPORATION
915 South Dixie Highway E • Pompano Beach, FL 33060
800-952-7655 • www.rollnlock.com

TOOLS REQUIRED FOR INSTALLATION



3/8" DRILL MOTOR

1/2" HIGH SPEED DRILL BIT
(if drilling drainage holes
in Bed Liner or Truck Bed)



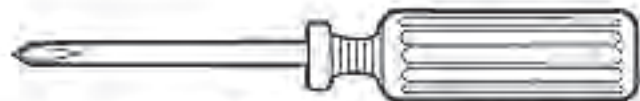
JIG SAW
(if Modifying bed liner)



1" WIDE MASKING TAPE



UTILITY KNIFE
(if MODIFYING BEDLINER)



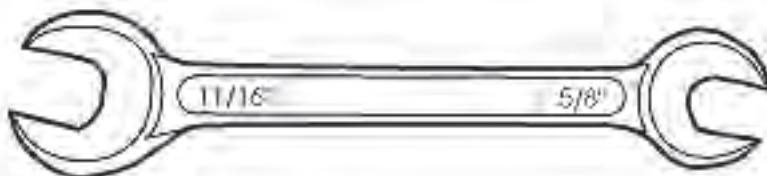
#2 PHILIPS HEAD SCREW DRIVER
MEDIUM LENGTH



7/16" OPEN END WRENCH



LONG 3/16" HEX KEY WRENCH
(if adjusting Spring)



(2) 11/16" TAPPET WRENCHES
(if adjusting Spring)

OVER THE RAIL BED LINER MODIFICATION

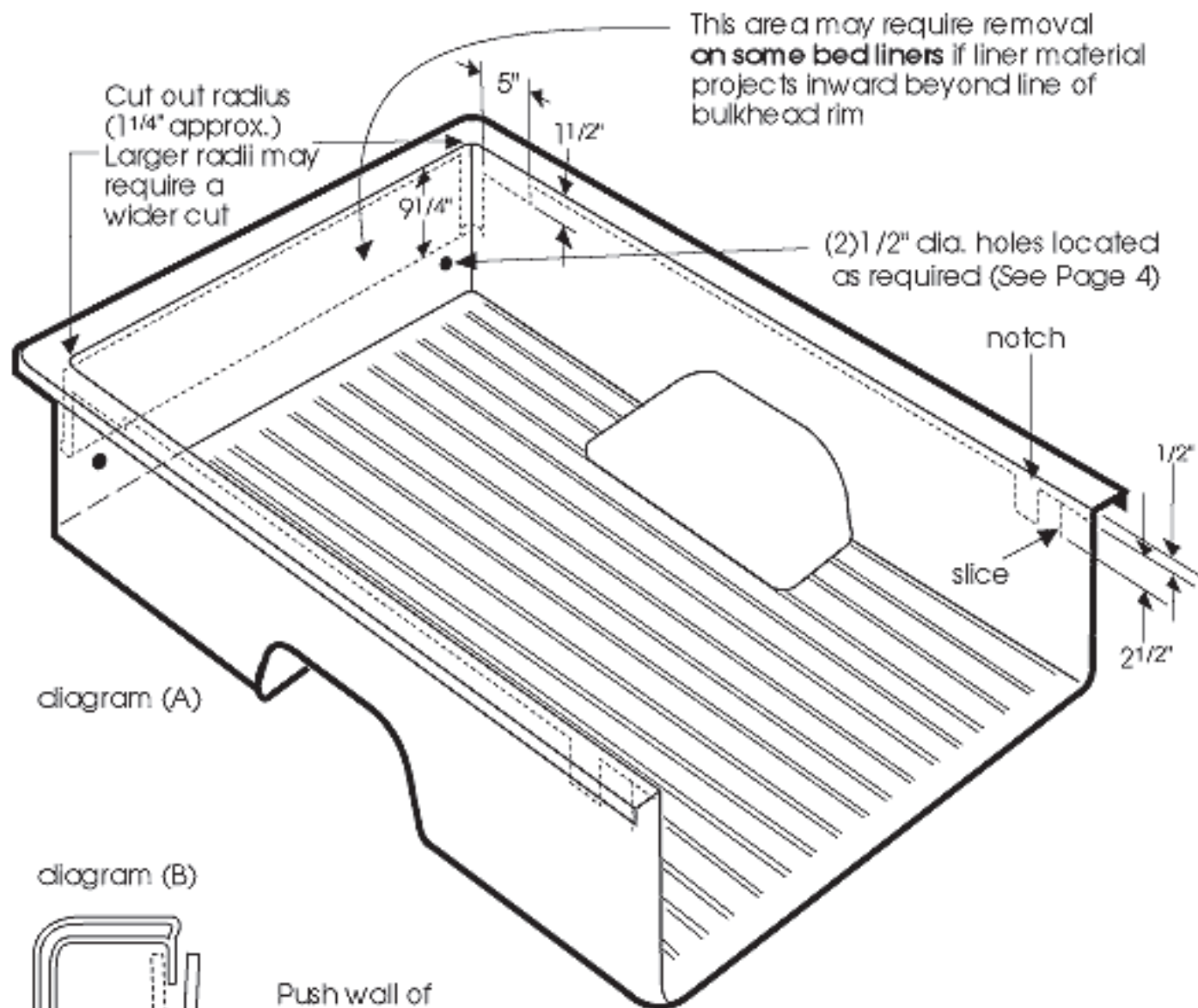
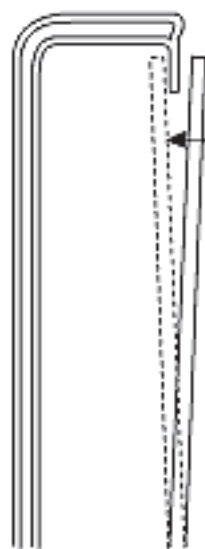


diagram (A)

diagram (B)

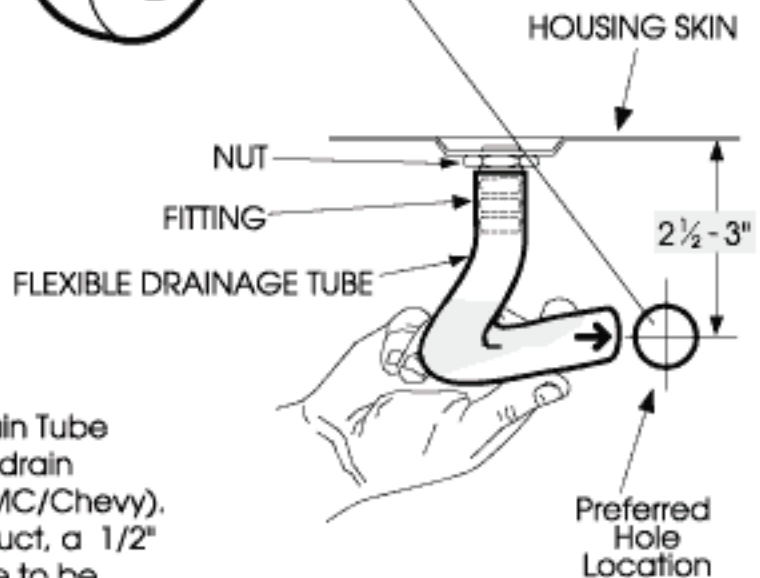
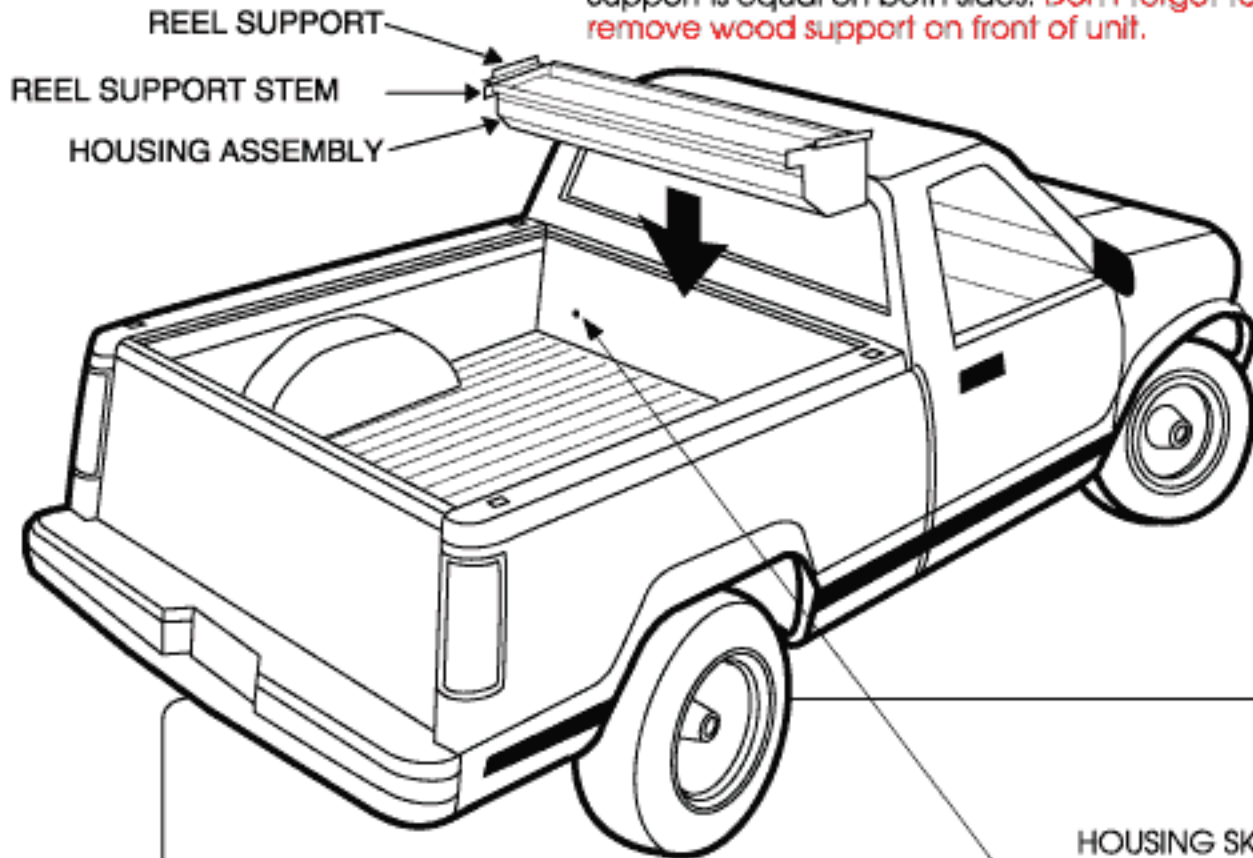


Push wall of modified liner under bed rail before installing cover

Dotted lines indicate areas to be cut. Remove the top lip and cut a notch and slice in each side of the bed liner (a jig saw with a medium tooth blade is best suited for this purpose). Locate Notches by placing the tracks on their respective bed rails and marking the position of the back clamps prior to removing the liner. Correct position of the track is with the black plastic track cap touching the tailgate (see page 6). Cut a 2 1/2" slice at the edge of the bed haunch to allow the liner to form around the haunch. When modification is complete, push wall of liner under the bed rail as shown in diagram (B).

STEP (1) POSITIONING HOUSING ASSEMBLY

Place Housing at front of Truck Bed as shown. Housing must be centered on Truck Bed. Check to be sure the distance from the Bed Rail to the Reel Support is equal on both sides. **Don't forget to remove wood support on front of unit.**



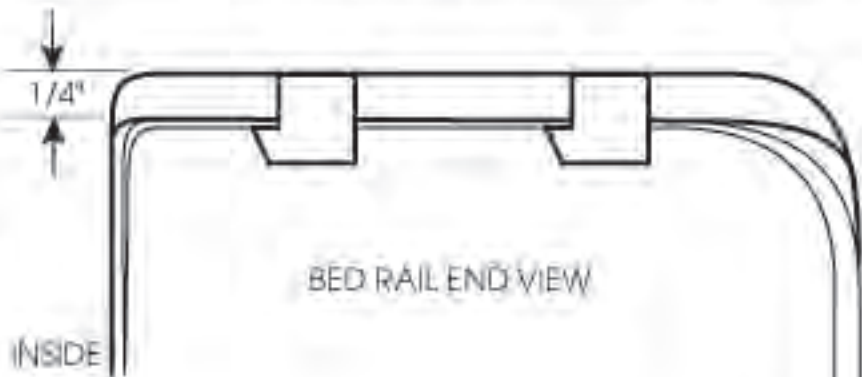
Apply Clear Plastic Drain Tube and insert into existing drain hole in Truck Bed (if GMC/Chevy). If Ford or Chrysler product, a 1/2" diameter hole will have to be drilled.

SPECIAL APPLICATION FOR 2001 TUNDRA WITH FACTORY BED RAIL CAPS

THIS STEP MUST BE PERFORMED PRIOR TO STEP (2) SHOWN ON PAGE 5.

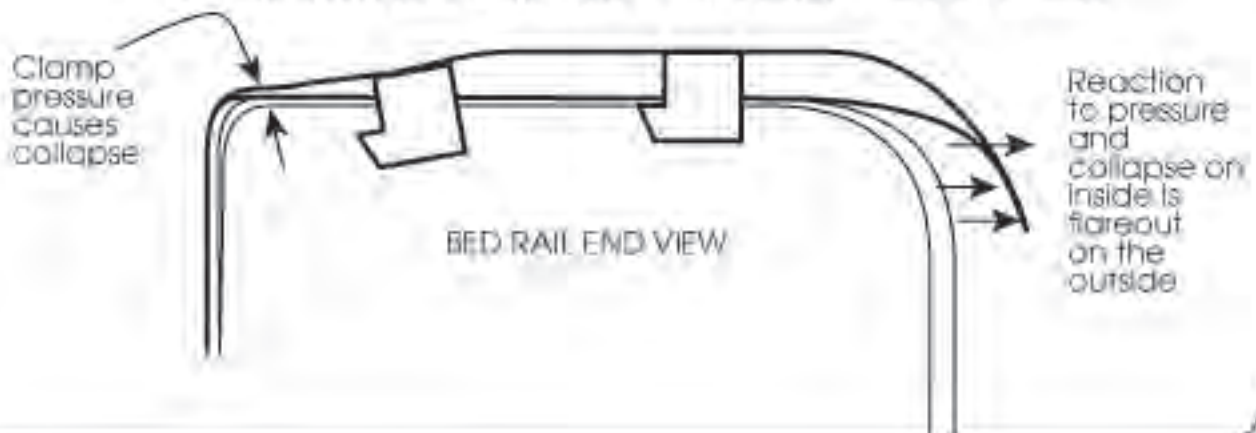
1. CONDITION:

2001 Tundra has snap-on plastic bed rail caps which are elevated 1/4" from the metal bed rail.



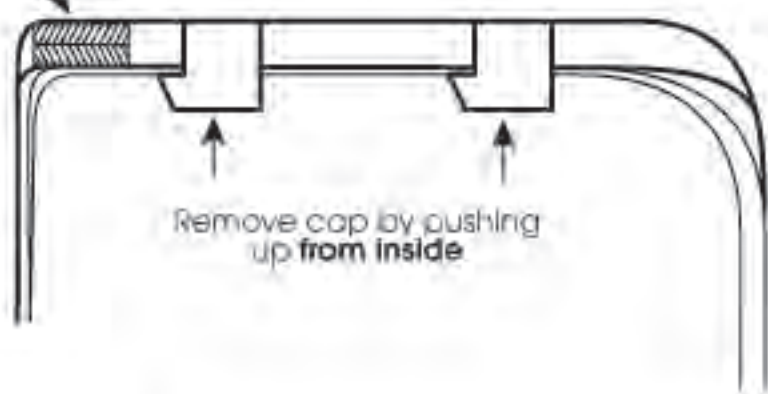
2. PROBLEM:

When clamping pressure is applied to inside corner, plastic cap collapses setting up stress which causes a flare on outside



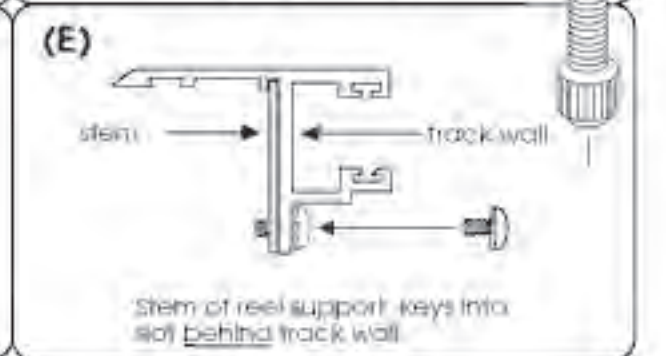
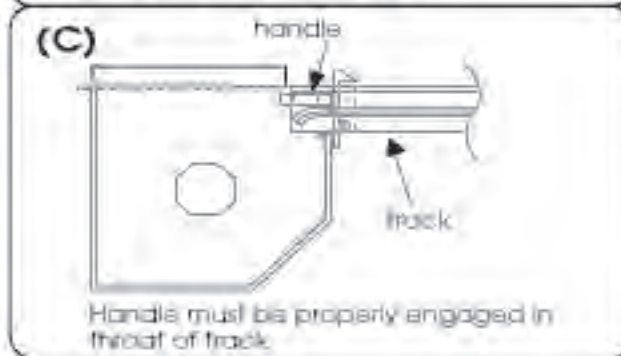
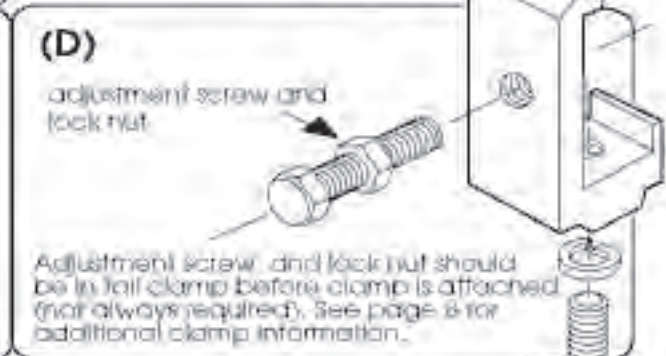
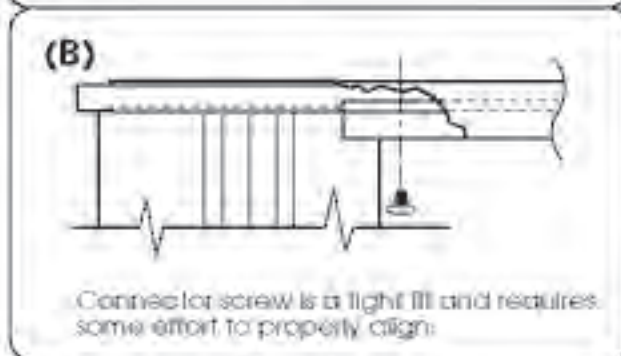
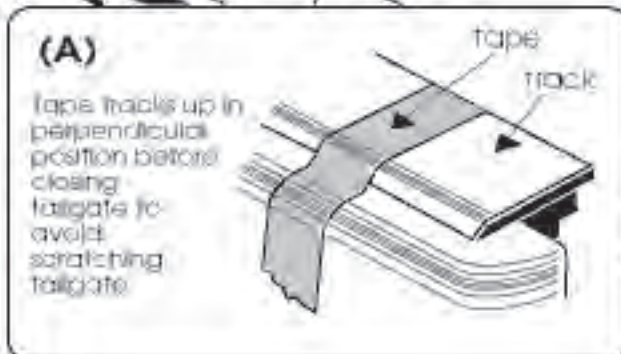
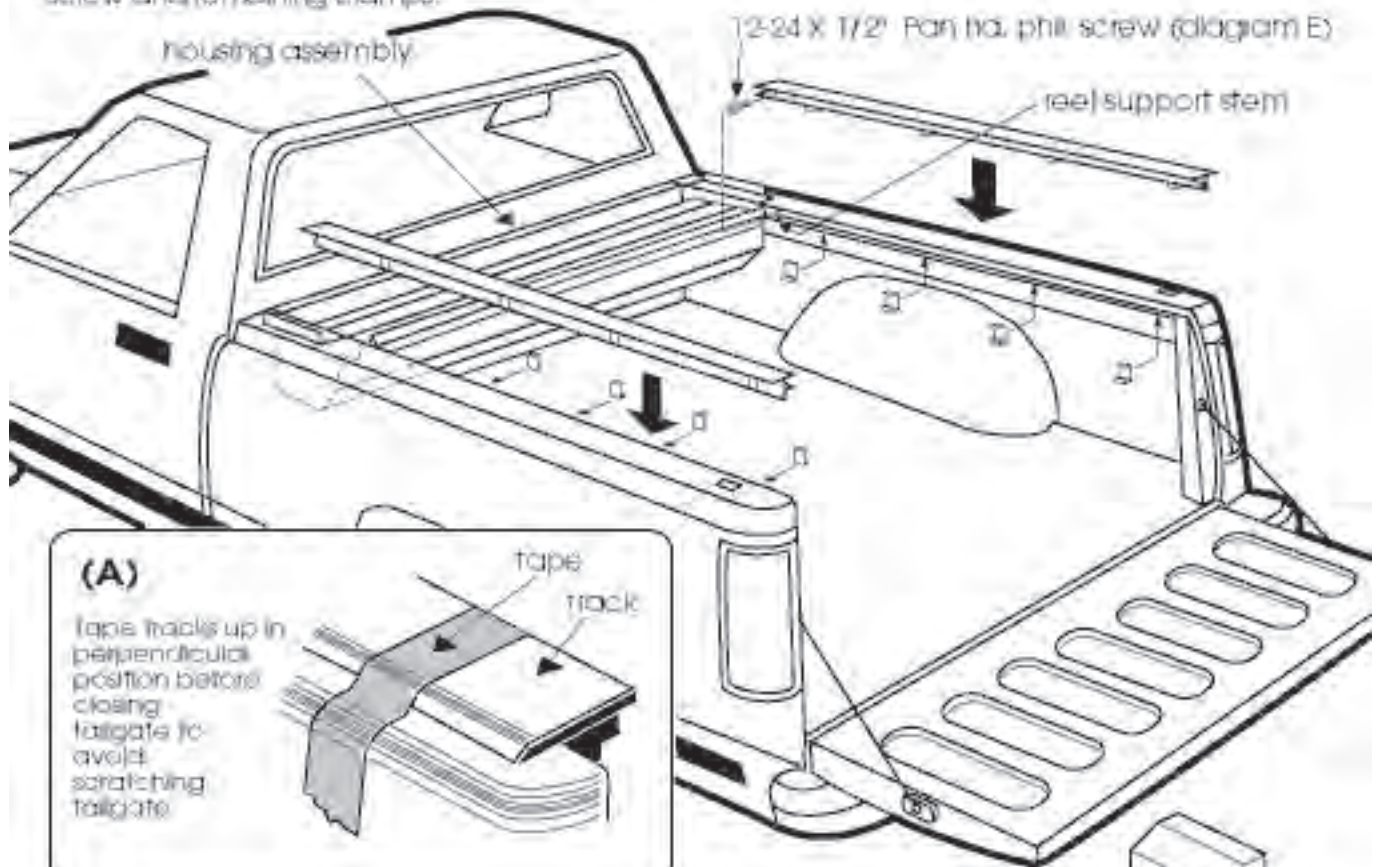
Shim blocks between plastic cap and metal rail at all clamp locations.

3. SOLUTION: Remove rail caps by pushing up on snaps with a blunt object. **DO NOT** pull caps off from outside, as you may permanently deform them. Place (stack) two 1/8" stick-on shims on the metal bed rail exactly where clamps locate. Snap rail caps back on and install Roll-N-Lock.



STEP (2) POSITIONING TRACKS

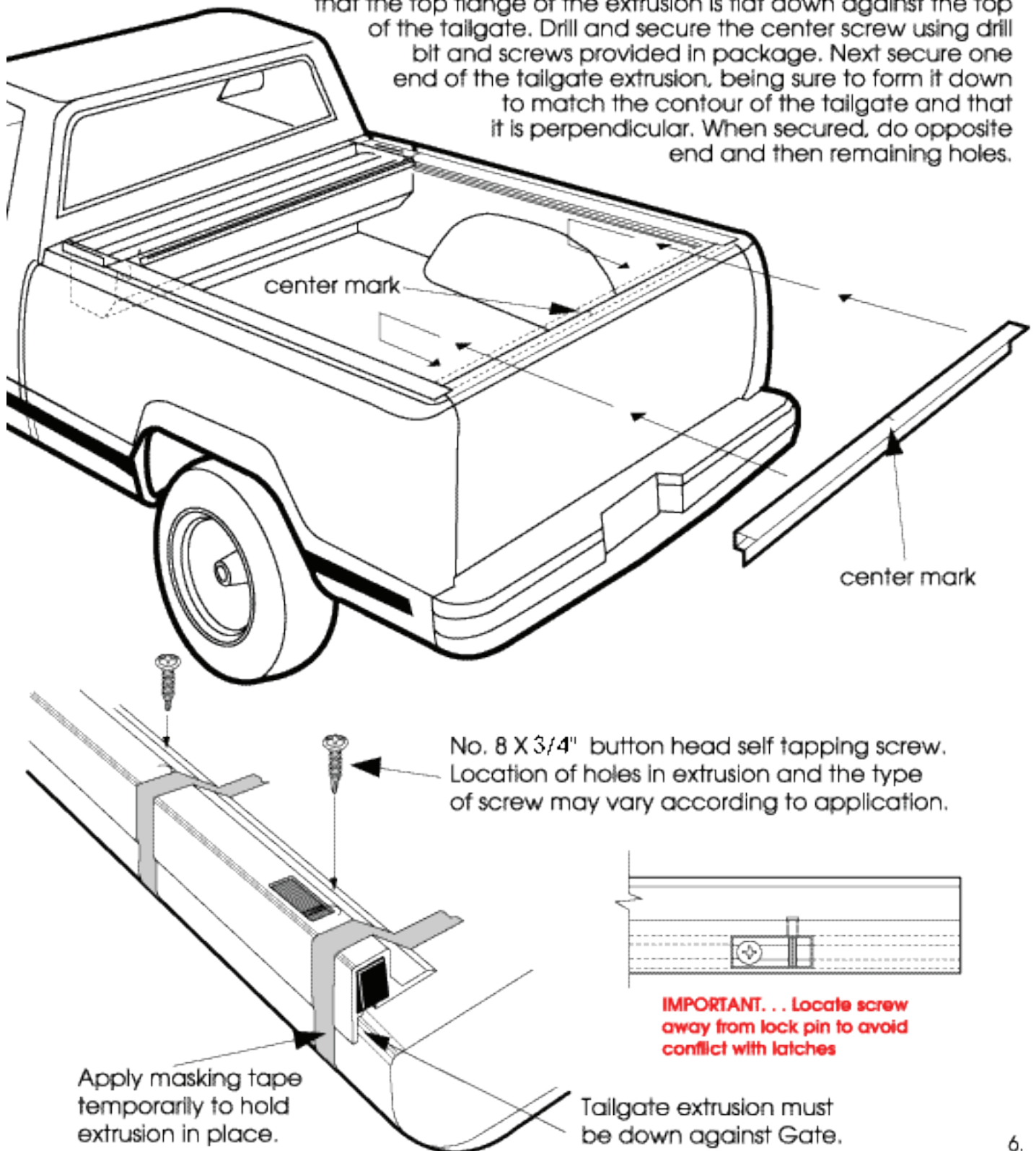
Place tracks on bed rails and key on to reel support stems as shown in diagram (B) and (E) below, being sure that handle is properly positioned as shown in diagram (C). Attach back clamp very loosely to track to be sure that track does not fall off bed rail while securing 10-24 X 1/2" connector screw and remaining clamps.



STEP (3) POSITIONING AND ATTACHING TAILGATE EXTRUSION

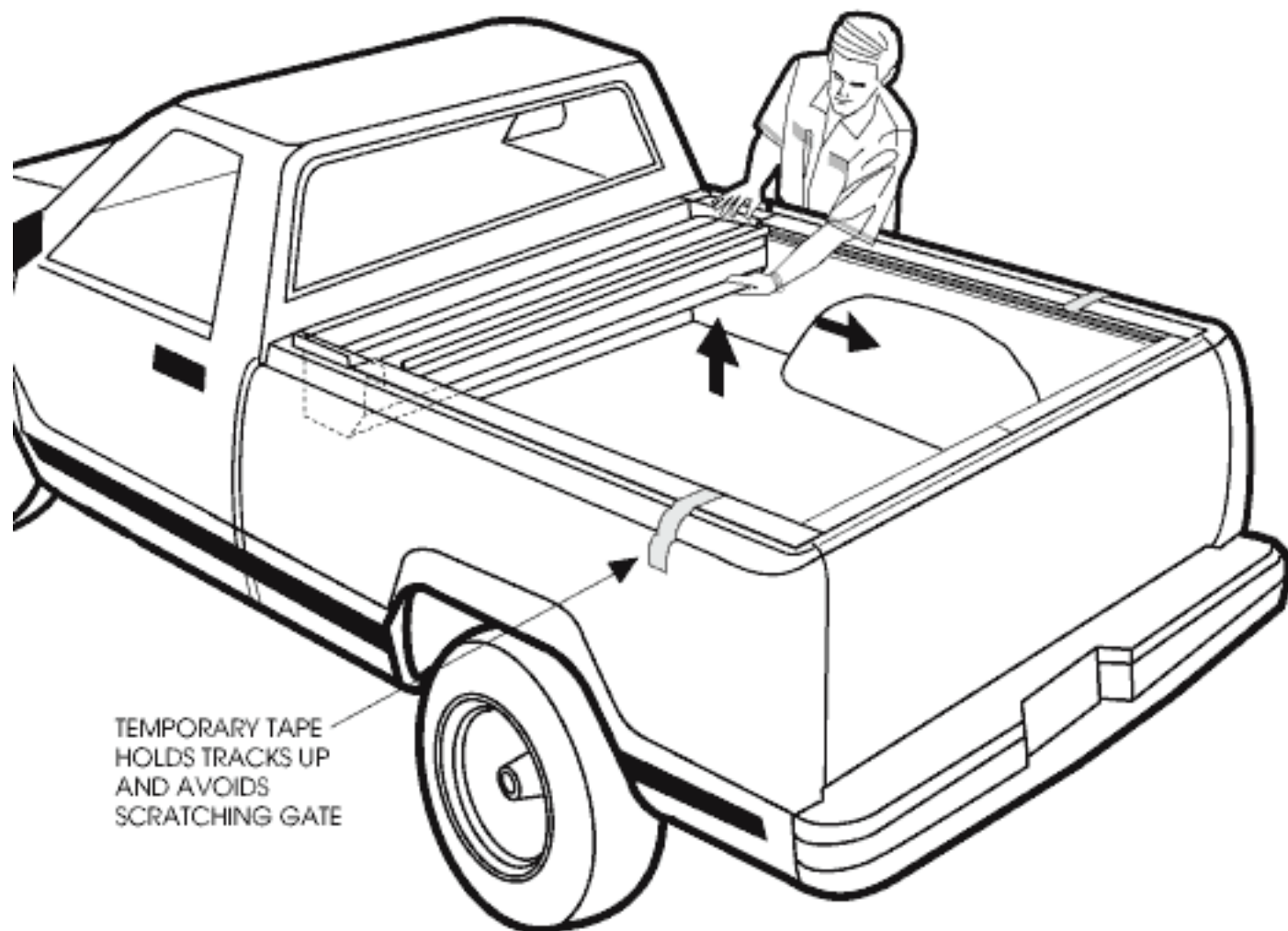
To position tailgate extrusion, place a mark at exact center of the tailgate and exact center of the tailgate extrusion as shown below. Center the tailgate extrusion on the tailgate and temporarily tape the extrusion to the gate. Next, lower the tailgate.

Beginning at center, hold the extrusion in a perpendicular position being sure that the top flange of the extrusion is flat down against the top of the tailgate. Drill and secure the center screw using drill bit and screws provided in package. Next secure one end of the tailgate extrusion, being sure to form it down to match the contour of the tailgate and that it is perpendicular. When secured, do opposite end and then remaining holes.

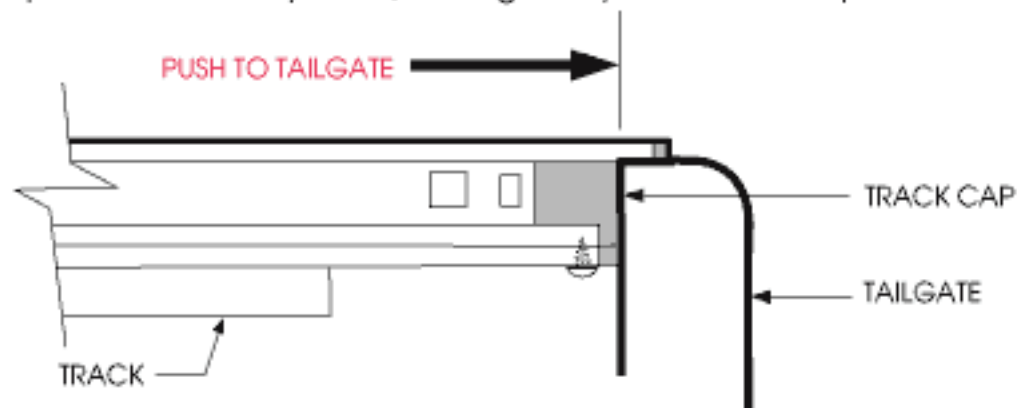


STEP (4) ORIENTING TRACKS TO TAILGATE

Close Tailgate being careful not to hit the Tracks and scratch the Top of the Gate.



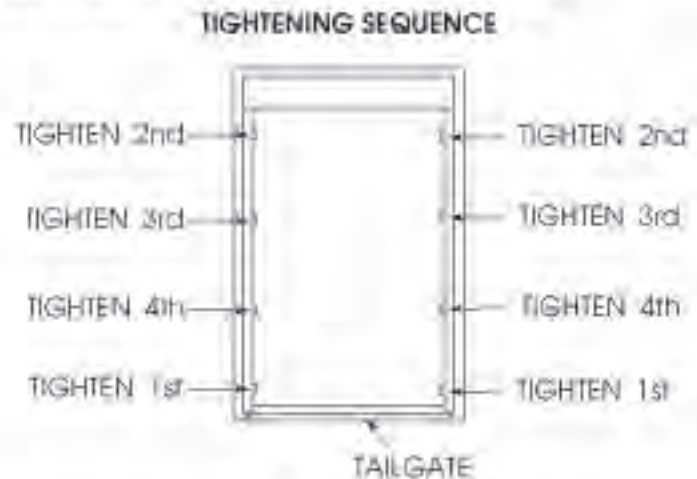
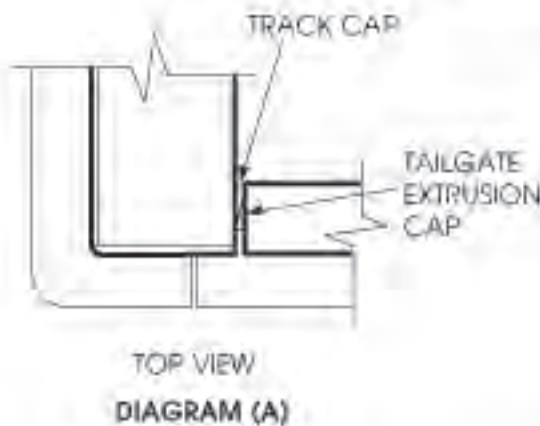
Also make sure Gate is in full closed position. Lift up slightly and shift system back until the Plastic Track End Caps contact the Gate as shown in diagram below. Be sure there is no pressure against Tailgate and that the Tailgate Closure is not inhibited. If Clamps are not entirely loose, shifting the system will be impossible.



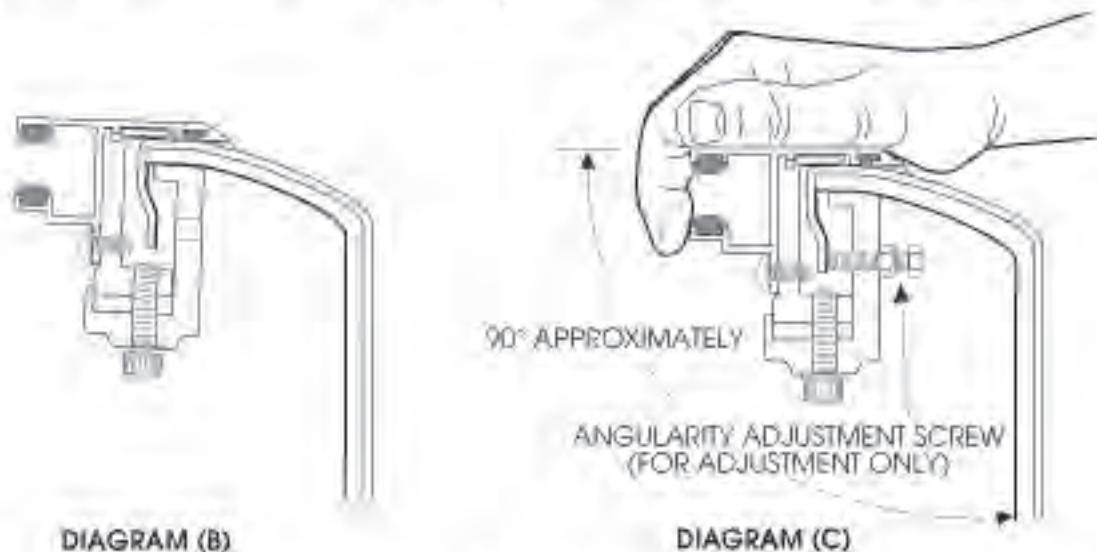
STEP (5) POSITIONING AND TIGHTENING TRACK CLAMPS

Starting on either side, shift the Track over so that the Black Plastic Track Cap contacts the Black Plastic End Cap on the Tailgate Extrusion as shown in Diagram (A). Hold the track firmly in this position and snug the back Clamp **being careful not to over tighten*** (see Tightening Sequence). If Track rolls upward as shown in Diagram (B) simply rotate the Track over until reasonably straight and tighten Angularity Adjustment Screw until it biases against the Bed Rail Lip as shown in Diagram (C).

***Over tightening Track Clamp can cause an indentation in Bed Rail**



When Back Clamp is secure, move to the Front Clamp as shown in Tightening Sequence. Before tightening this Clamp, **pull Track outward slightly**, away from center of the Bed to relieve inward distortion caused by the weight of the Housing Assembly. When secure, move to Position 3, again pull outward and tighten Clamp.



Position 4 should be O.K. to tighten as is, if position 2 and 3 have been properly located. Some vehicles may require Angularity Adjustment Screws at tightening sequence positions 3 and 4 depending on contour of Bed Rail.

STEP (6) INSTALLING LID

Turn Lock Set to closed position and pull Cover to first partial closed position. Set the Lid down over the Reel Support Flanges with the Lock Pocket facing toward Tailgate and check to be sure the Side Tracks are properly seated in the Lid Notches. If the Tracks are not correctly seated, the first two Clamps on each side should be loosened and moved out until the Lid Notches seat down correctly over the Tracks as shown in Diagram (A). Next, align the holes in the sides of the Lid and secure Black Countersunk 1/4"-20 Lid Screws snugly, as shown in Diagram (B). **Do not overtighten! Do not use Power Tool!**

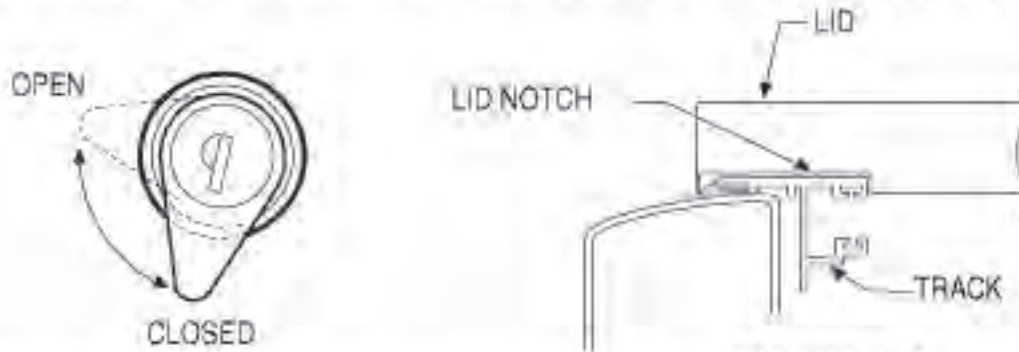


DIAGRAM (A)

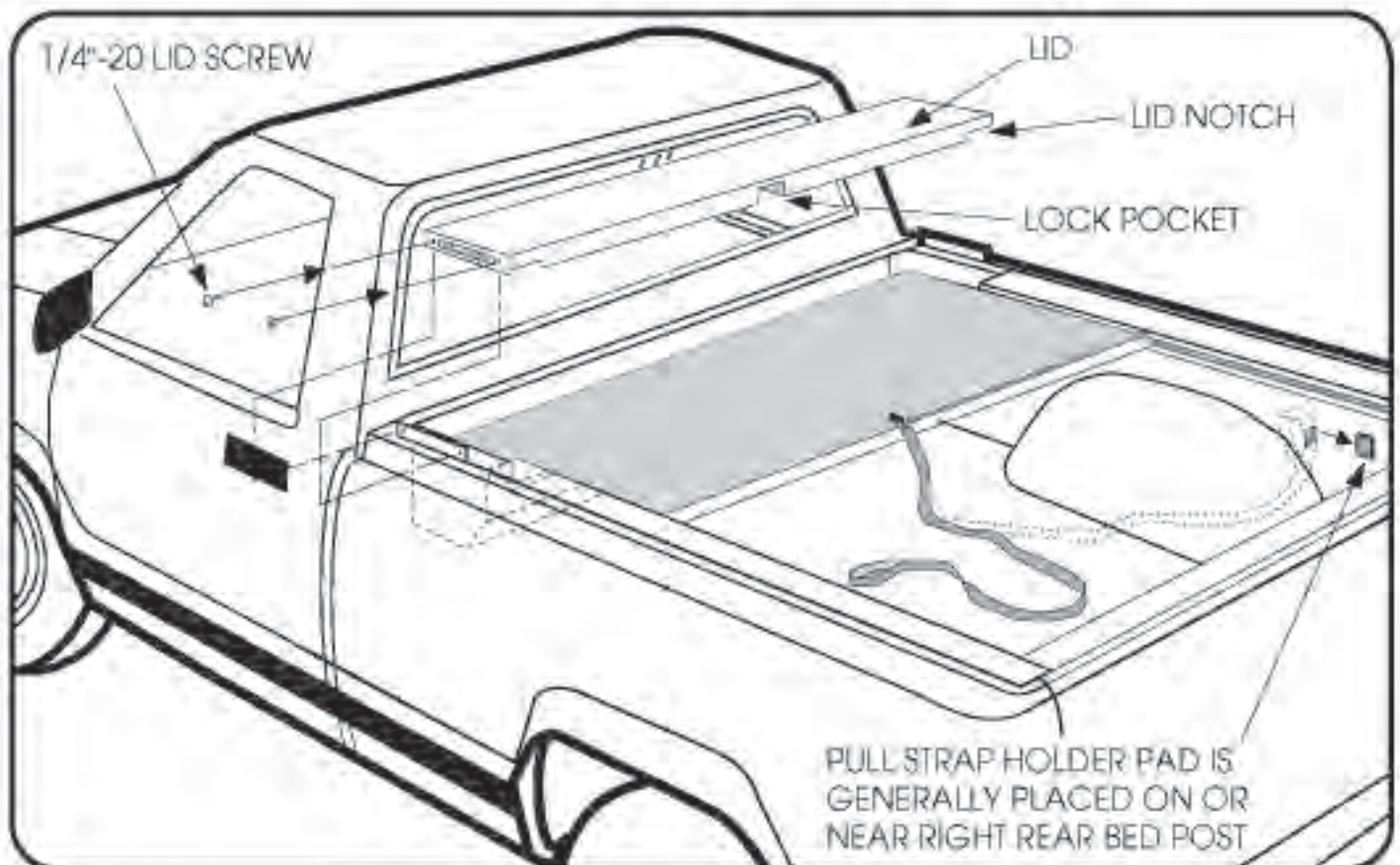
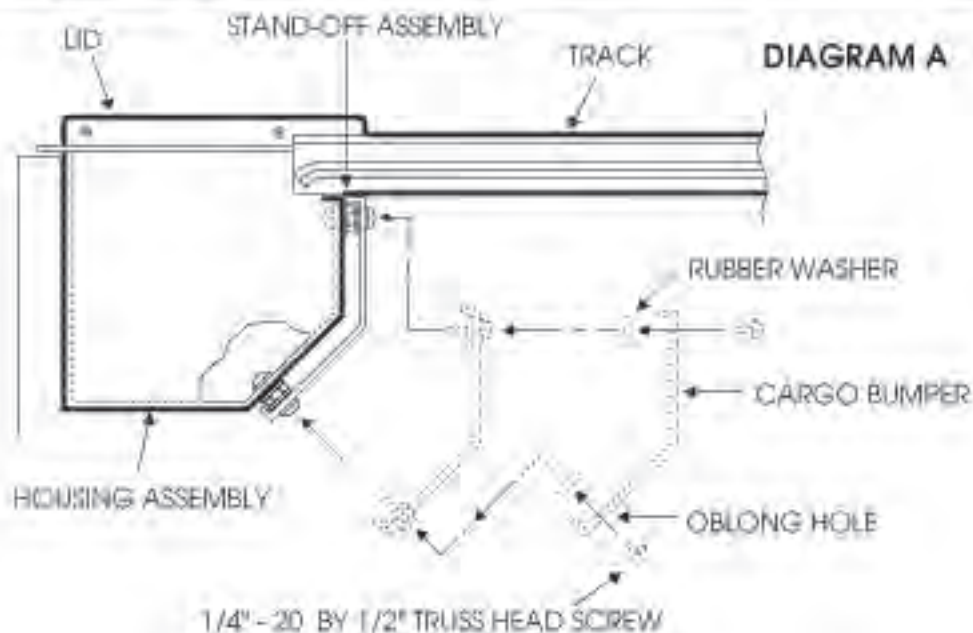
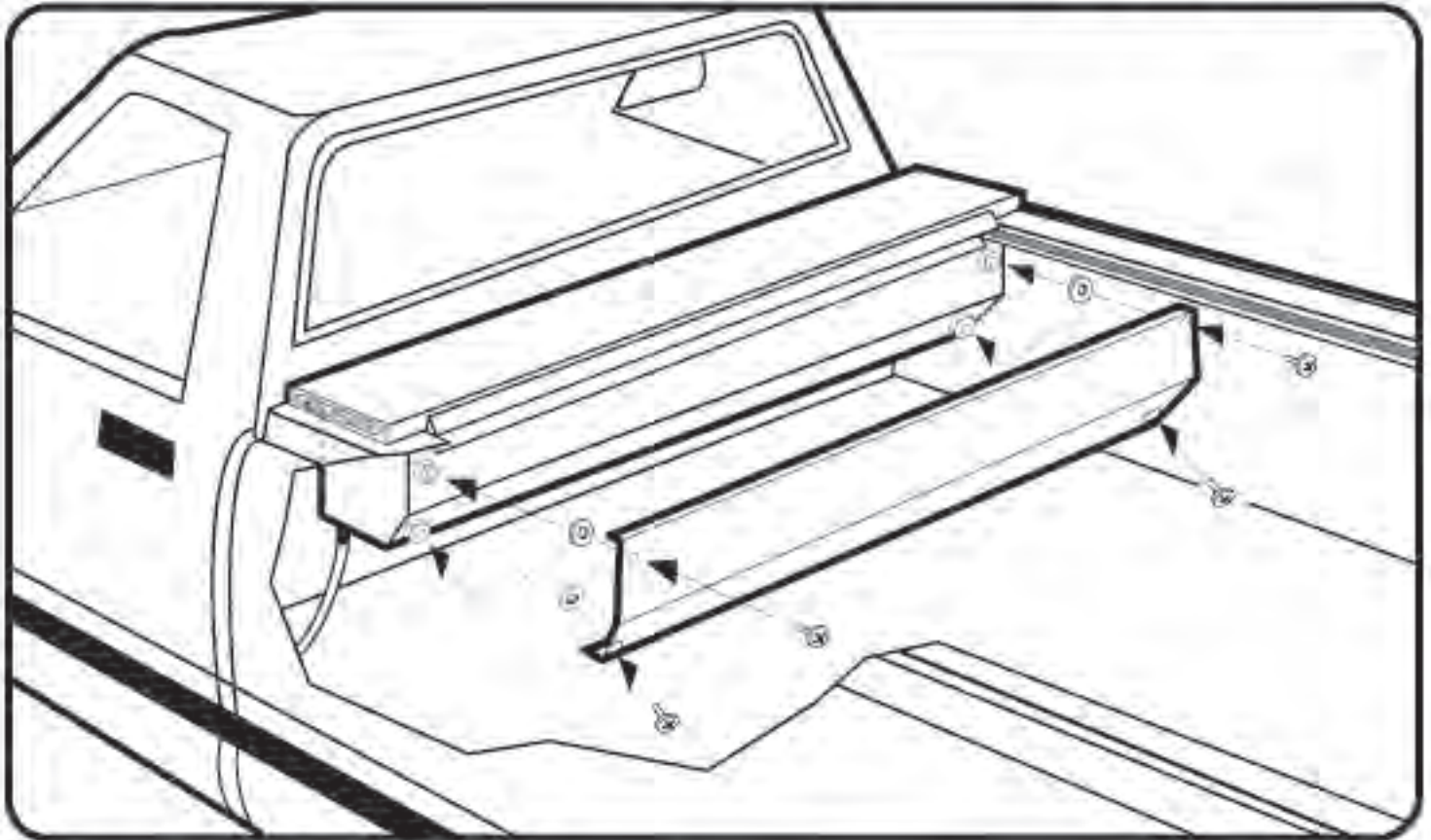


DIAGRAM (B)

STEP (7) INSTALLING CARGO BUMPER

To attach the Cargo Bumper, remove the four Truss Head Screws from the Hexagonal Stand-Offs located on the face of the Housing. It will be necessary to hold the Stand-Offs with a 5/8" open end wrench when removing the Screws. **Do not allow the Stand-Offs to turn.** Place the screws through the holes in the Cargo Bumper and press or thread the Rubber Washers onto the screw threads on the back side of the Bumper as shown in DIAGRAM A. Align the Bumper Assembly on the Stand-offs (Oblong Holes Down) and snug the screws being careful not to cross thread.

Do not over tighten!!!

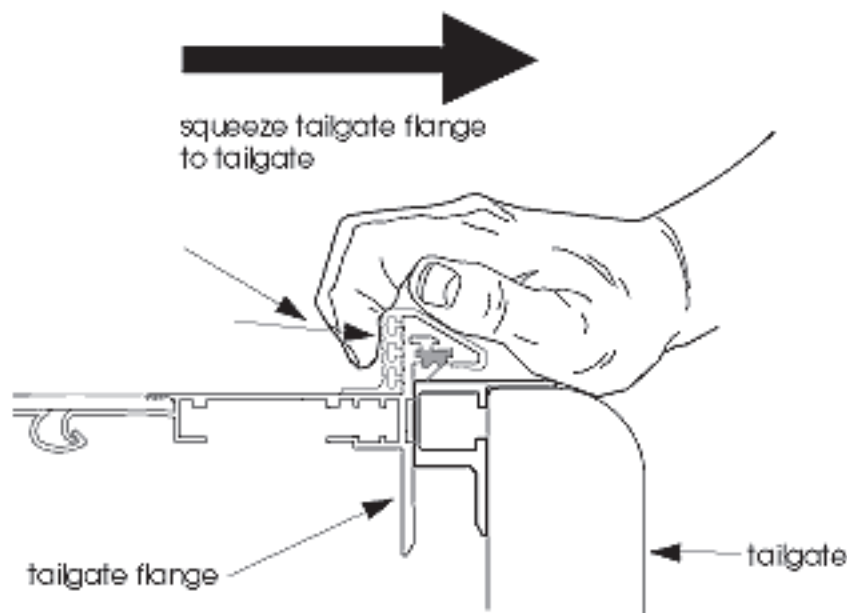


STEP (8) TESTING YOUR ROLL-N-LOCK FOR PROPER OPERATION

Standing at the tailgate, use the pull strap to pull the cover back toward the tailgate. The cover should travel smoothly and should retract freely at any point along the track unless engaged at a lock point. If it does not travel freely, it is likely that track clamp tightening sequence positions (2) and (3) will have to be moved out away from the center of the bed. This can easily be determined by checking to see if the leading edge of the cover can be moved laterally (shifted from side to side) about

1/8" at the tight spot. If it cannot, the tracks must be moved out until 1/8" of play is established. If it does move laterally but doesn't operate freely, it is possible that the tracks are tilted upward due to bed rail contour and require adjustment screws as described in step (5) page 8.

When the cover is pulled to the fully closed position, the tailgate latches should snap into position capturing the tailgate lock pins. Squeeze the cover closed rather than slamming it.



To open the cover, squeeze the handle to the tailgate to remove pressure from the lock mechanism and turn the lock set clockwise, all the way to the left. Holding one hand on the pull strap, give the cover a slight push and control its speed on the way back by braking the pull strap as it slides through your fingers. Shoving the unit back at high speed, allowing it to slam into the Housing could eventually cause a problem.

If the cover spring tension is properly set, you should hear a uniform sound as the cover is retracted - tat, tat, tat, tat, tat, tat, tat retracted. If however, you hear - tat, tat, tat, tat, flup, flup, the spring tension must be increased. If the cover flies back, is difficult to restrain on the way back and slams into the housing, it is too tight. Increasing and decreasing the spring tension is explained on page 12.

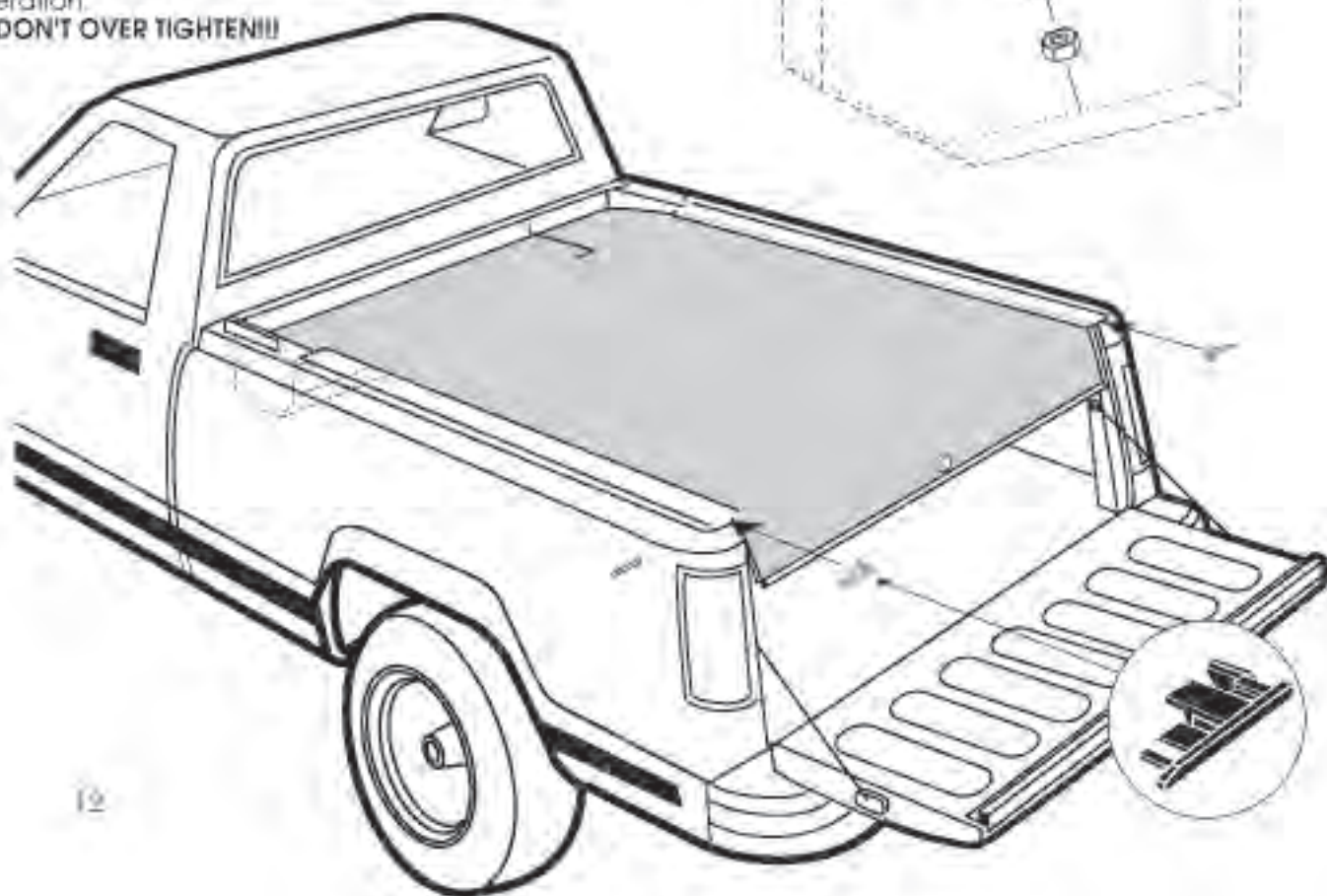
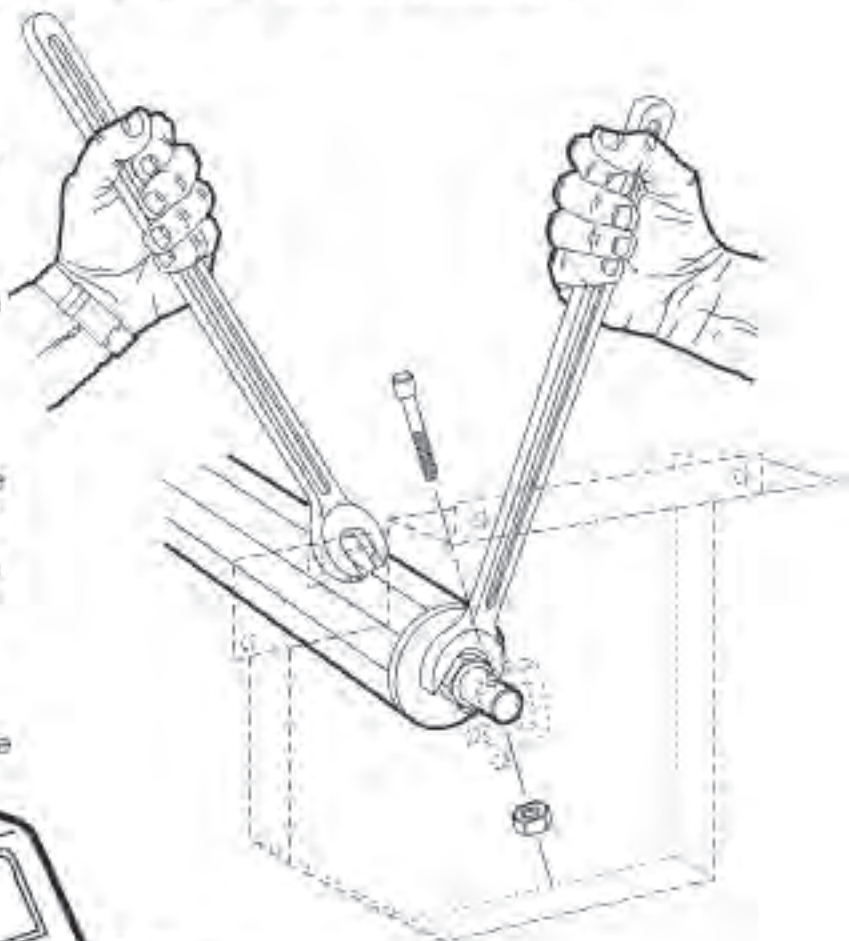
ADJUSTMENT OF SPRING. IMPORTANT...
SPRING IS UNDER TENSION. DO NOT PROCEED
WITH ADJUSTMENT UNTIL YOU ARE
COMPLETELY FAMILIAR WITH INSTRUCTION
BELOW!!!

Spring tension of the Cover has been factory set. However, adjustment can be made with the use of (2) 11/16" wrenches. To adjust the Spring, lower the Tailgate and remove the Lid and Black Plastic Track Caps. Pull the Cover all the way back until the first Slats extend beyond the Tracks and hang the Slats over the end of the Tracks to prevent the Cover from retracting.

With the Cover in this position, the Spring Fitting and Spring Fitting Screws are accessible. Tension can be increased or decreased by placing a 11/16" wrench on the Fitting and removing the Fitting Screw (use 11/16" wrench to relieve pressure on bolt and 3/16" hex key wrench to remove Screw). **DO NOT REMOVE THE 11/16" WRENCH!** When the Screw has been removed, turn the wrench in the desired direction to either increase or decrease tension, alternating with a second 11/16" wrench and always holding one wrench on the Fitting. One full revolution of the Fitting will have a significant impact on the operation.

DON'T OVER TIGHTEN!!!

SPRING ADJUSTMENT



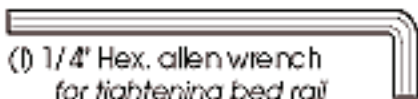
HARDWARE COMPONENTS & DESCRIPTION



(2) Keys
to secure latch
in locked position



(4) 1/4"-20 by 5/8" flat hd. phil. undercut
lid screws (black)
for attachment of lid to housing assembly.



(1) 1/4" Hex. allen wrench
for tightening bed rail
clamps and reel support
screws



(5) No. 8 X 3/4" button head self tapping screws
for attachment of tailgate extrusion to tailgate.

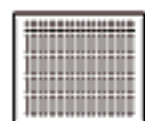


303 for
Vinyl "V" Series,
to preserve finish.

DO NOT USE SILICONE ON VINYL!!!



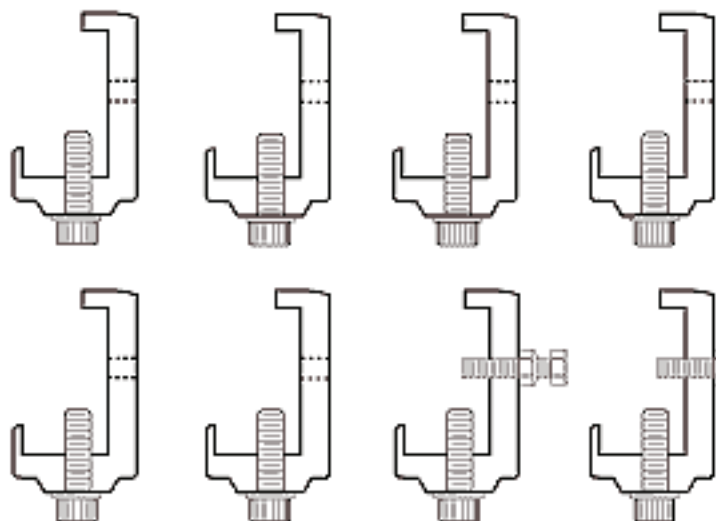
(2) No. 12-24 by 1/2" Pan hd. phil. undercut screw
for attachment of track to reel support.



(1) Pull strap holder pad
for securement of pull strap to rear of bed.



(2) Drainage tubes
For drainage of housing,
in left and right corners.



(8) Track clamp assemblies
for attachment of tracks to bed rails.

(8) 5/16"-24 by 1" S.S.
Socket hd. cap screws and lock washers
for attachment of back clamp.

(2) 1/4"-20- by 1" S.S.
Hex hd. cap screws and nuts
for adjustment of track clamps.

Clamp design may vary with different trucks. Refer to track schematic.