

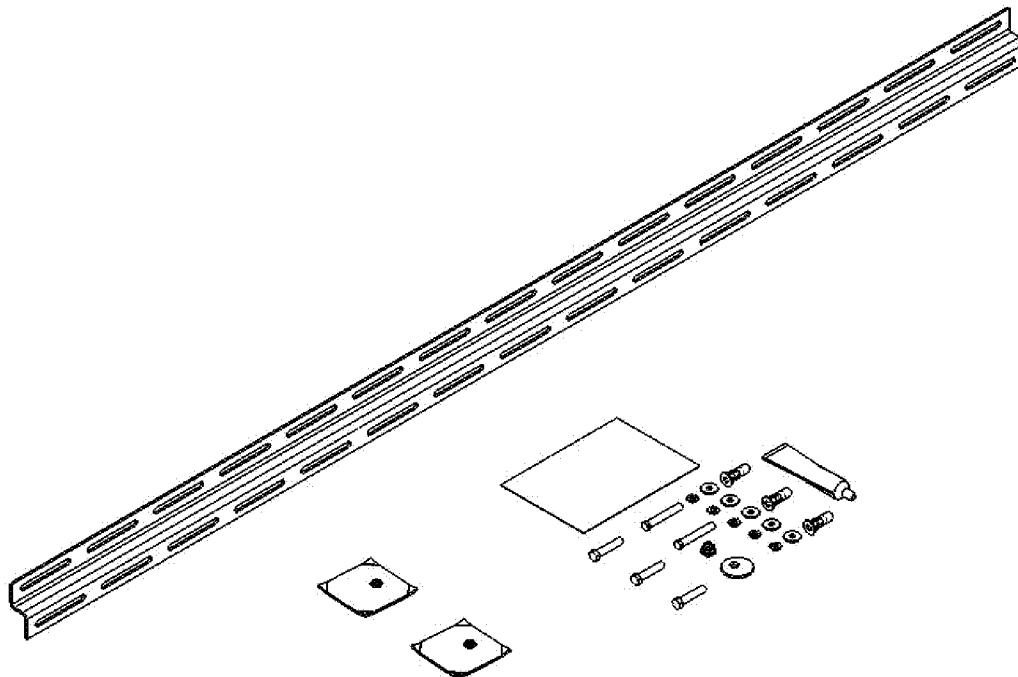


ADRIAN STEEL
VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

Installation Instructions

****FOR Z-RAIL LENGTHS 18" – 60"****



P.N.: 32298-0

ISSUE: C

CHK.BY: TW

REV.BY: DCS

DWG.BY: CRR

DATE: 11-29-2006



Z-RAIL KIT

BEFORE YOU START



IMPORTANT NOTES PERTAINING TO USER AND/OR PRODUCT SAFETY ARE DENOTED BY A STOP SIGN AND THEY MUST BE FOLLOWED IN ORDER TO COMPLETE A SAFE ASSEMBLY AND INSTALLATION!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

DRILL MOTOR, WITH 3/8" DRILL BIT & 3/4" STOP	7/16" OPEN END WRENCH FOR SETTING PLUSNUTS	LONG LEVEL OR STRAIGHT EDGE
7/16" OPEN END WRENCH	RATCHET WRENCH, WITH 7/16" SOCKET WARNING: DO NOT USE IMPACT TOOLS FOR ASSEMBLY!	

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO A TORQUE OF 12 FT. LBS.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!



FASTENER STANDARDS

- ❑ Proper fastening method of Adrian Steel products should always include good metal contact, using the supplied fasteners with prepackaged arrangements.
- ❑ A nut and bolt should always be used in all locations whenever possible.
- ❑ The use of plusnut(s) is intended for applications where a nut and bolt is not possible.
- ❑ All drilled holes in the vehicle should have the raw metal edges sealed to resist corrosion.



Important: To prevent exhaust fumes from entering the vehicle, all holes should be sealed at installation with Butyl or silicon sealant material, which will remain flexible for an extended period of time.



- ❑ Adrian Steel's blind fastener of choice is the plusnut. Adrian supplies two thread sizes, 1/4-20 and 5/16-18. 5/16-18 fasteners are used only as directed.
- ❑ After locating all positions that require a plusnut, drill the proper size hole (use a drill stop!) for the plusnut. A 1/4-20 plusnut uses 3/8" diameter drill (all locations), and the 5/16-18 uses 1/2" diameter drill (floor only).

FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

- ❑ Position each item in desired location inside the vehicle.



Important: Before marking each location with a center punch, move the item/jig and check for obstructions or hazards under the vehicle floor.



- ❑ Mark the floor mount locations.
Note: If a number of similar installations are being performed, it is recommended that a drilling template be used to ensure all installations are the same.
- ❑ Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.
- ❑ ***The location of various floor mounts will determine what spacer combination will be used. For example, an 11/32" spacer is used atop floor ribs, and an 11/16" high spacer is used atop floor valleys.***



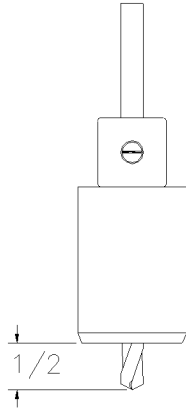
Note: The proper use of spacers is required when mounting over mat/carpet to ensure the metal-to-metal clamp-up, which will minimize component shifting in stressed conditions.



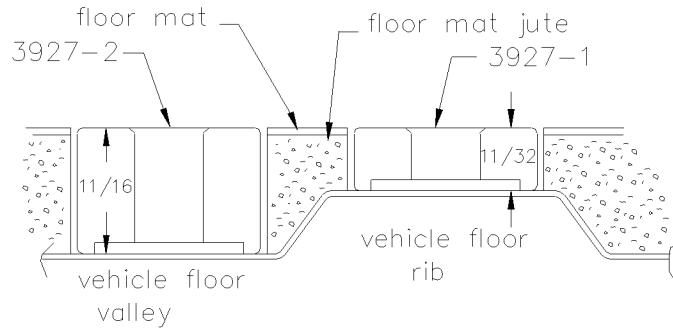
- ❑ Complete your installation using the additional instructions supplied with the equipment.



FASTENER STANDARDS cont'd.

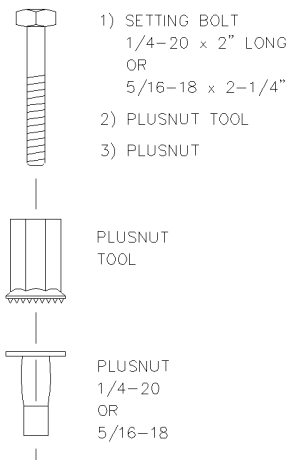


Placing the properly sized spacer on top of the vehicle floor pan will make your Adrian interior level, square, and sound. The view below shows the proper sized spacer for the different heights of the vehicle floor. Make sure to place the spacers with the plusnut relief surface down as shown.

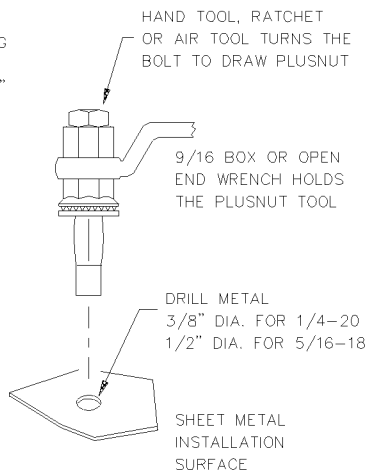


Plusnut Use and Installation

ASSEMBLE THE FOLLOWING

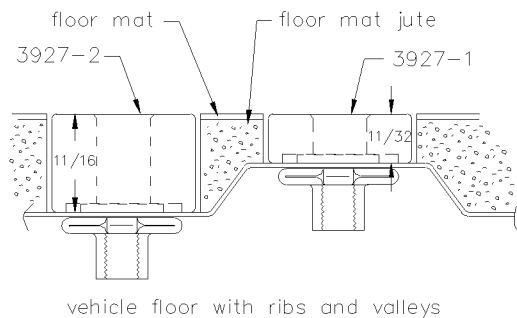
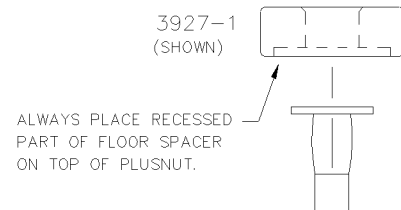


SETTING THE PLUSNUT



Set Plusnut till tight,
DO NOT OVERTIGHTEN.

Spacer Use and Installation



**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

STEP – 01**ATTACH Z-RAIL TO PRODUCT – PART 1**

NOTE: IF YOU ARE NOT ATTACHING THE Z-RAIL TO A KD UNIT, SKIP THIS STEP AND REFER TO STEP 07 .

FASTENERS NEEDED FOR THIS STEP:



FAS0061
1/4-20 x 1/2" SCREW
(2) REQUIRED



FAS0055
1/4-20" NUT
(2) REQUIRED

THE Z-RAIL IS INTENDED TO BE PRODUCT WIDTH SPECIFIC. FOR EXAMPLE, A 32" LONG Z-RAIL SHOULD BE USED WITH A 32" WIDE CABINET/SHELF (I.E., HD 32 WP). DEPENDING ON THE INSTALLATION AND LAYOUT, A LONGER Z-RAIL CAN BE USED WITH A NARROWER CABINET/SHELF, HOWEVER *THE Z-RAIL SHOULD NEVER BE INSTALLED WITH A NARROWER CABINET/SHELF (I.E., 32" LONG Z-RAIL WITH A HD 52 WP)!*



ADRIAN STEEL

VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

- 1) AFTER CABINET/SHELF ASSEMBLY, POSITION THE Z-RAIL TO TOP, BACKSIDE OF CABINET/SHELF, AS SHOWN IN FIGURE 1.

ALIGN Z-RAIL SLOT
WITH TOP HOLE ON
PRODUCT FOR BOTH
SIDES.

Z-RAIL
(32" LONG SHOWN)

SHELVING UNIT
(HD 32 WP SHOWN)

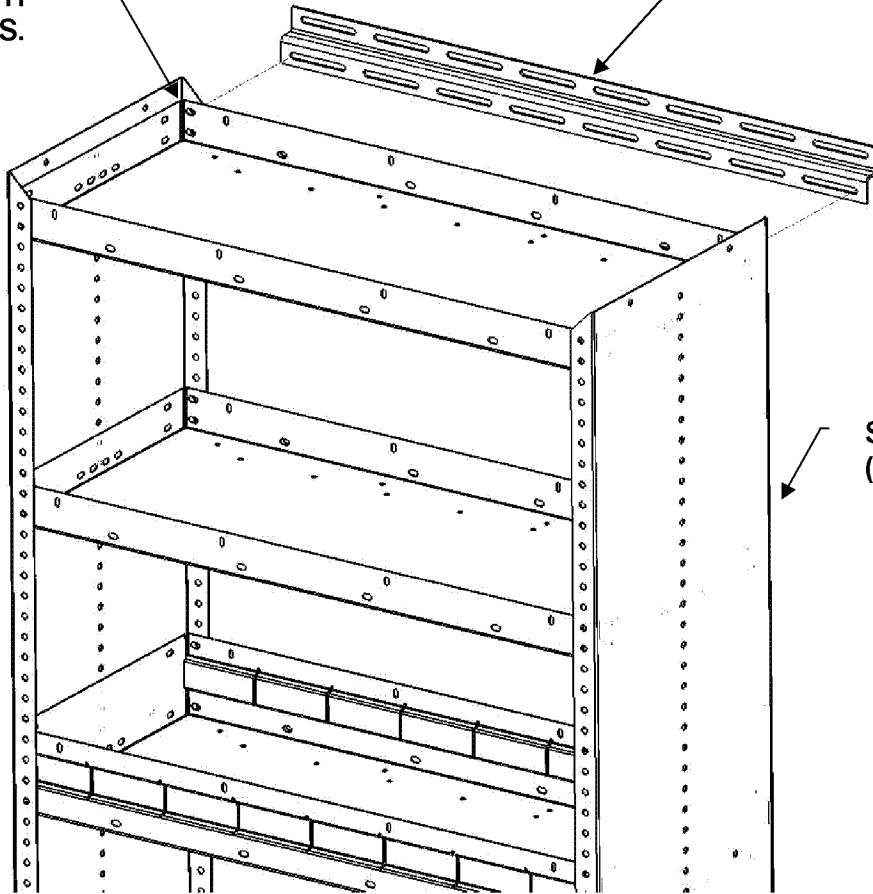


FIGURE 1. Z-RAIL PLACEMENT ON PRODUCT (KD UNIT SHOWN).



Z-RAIL KIT

- 2) USING THE $\frac{1}{4}$ -20 X $\frac{1}{2}$ " SCREWS AND NUTS, FASTEN BOTH ENDS OF Z-RAIL TO PRODUCT, AS SHOWN IN FIGURE 2.

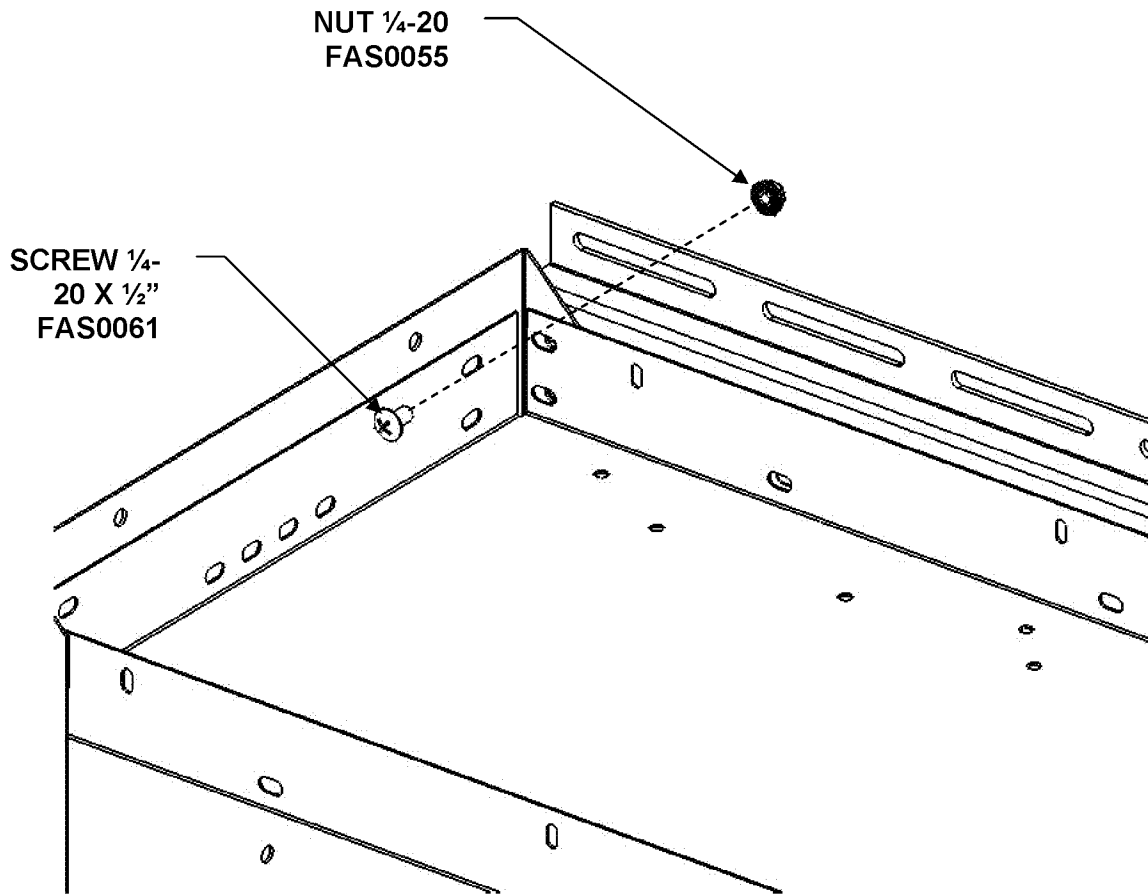


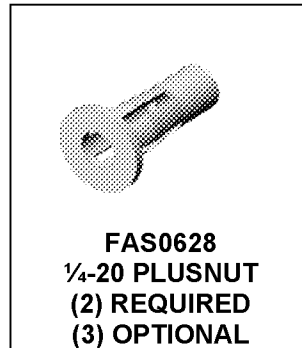
FIGURE 2. Z-RAIL FASTENING TO PRODUCT. ATTACH AS SHOWN TO BOTH SIDES.



STEP – 02

PRODUCT & Z-RAIL INSTALLATION – PART 1

FASTENERS NEEDED FOR THIS STEP:



- 1) POSITION PRODUCT IN TRAILER AT THE DESIRED LOCATION.
- 2) VISUALLY INSPECT THE TRAILER INTERIOR AND LOCATE THE STEEL STUD MEMBERS DIRECTLY BEHIND THE PRODUCT TO BE INSTALLED.

HELPFUL NOTE: STEEL STUD MEMBERS CAN BE DETERMINED FROM THE INTERIOR OF TRAILER BY LOCATING SCREWS USED TO ATTACH PLYWOOD SHEET WALLS.
NOTE THAT STUDS ARE LOCATED ON 16" CENTERS.

- 3) USING A LEVEL (OR OTHER LONG STRAIGHT EDGE), MARK A VERTICAL LINE ON THE PLYWOOD USING THE FURTHEST MOST SCREWS AT EACH END OF THE LEVEL. (THIS WILL DETERMINE THE "STUD LINE.") REPEAT FOR ALL REMAINING STUD MEMBERS DIRECTLY BEHIND THE PRODUCT TO BE INSTALLED.
- 4) POSITION THE PRODUCT UP AGAINST THE WALL SO THAT THE SLOTTED Z-RAIL FLANGE IS SEATED FLUSH AGAINST THE INTERIOR PLYWOOD WALL.

IMPORTANT NOTE: TRAILER INTERIOR PLYWOOD WALLS CONSIST OF SEVERAL SHEETS TO COVER ENTIRE WALL SURFACE AREA. THE SEAMS OF THE PLYWOOD JOINTS ARE TYPICALLY CONCEALED WITH NARROW 1/4" WOOD STRIPS. DO NOT SET PLUSNUTS THROUGH THESE STRIPS! REMOVE ANY STRIPS IN CONTACT WITH THE Z-RAIL BY SCORING WITH A UTILITY KNIFE AND REMOVING.

- 5) STARTING ON EITHER END OF THE Z-RAIL, MARK WHERE ALL PREVIOUSLY MARKED STUD LINES INTERSECT Z-RAIL SLOTS. FOR AN IDEAL INSTALLATION, THE STUD LINES SHOULD INTERSECT THE TWO OUTER MOST SLOTS OF THE Z-RAIL. DEPENDING ON INTERIOR LAYOUT LIMITATIONS, INNER SLOTS ARE ACCEPTABLE. HOWEVER, IF INNER SLOTS CAN ONLY BE USED, *THREE PLUSNUT SETTINGS AND FASTENERS SHOULD BE USED TO INSTALL THE PRODUCT. (SEE FIGURE 3.)*

HELPFUL NOTE: DEPENDING ON INTERIOR LAYOUT, THE PRODUCT CAN BE SHIFTED SIDE-TO-SIDE TO ACHIEVE IDEAL FASTENING POINTS.



Z-RAIL KIT

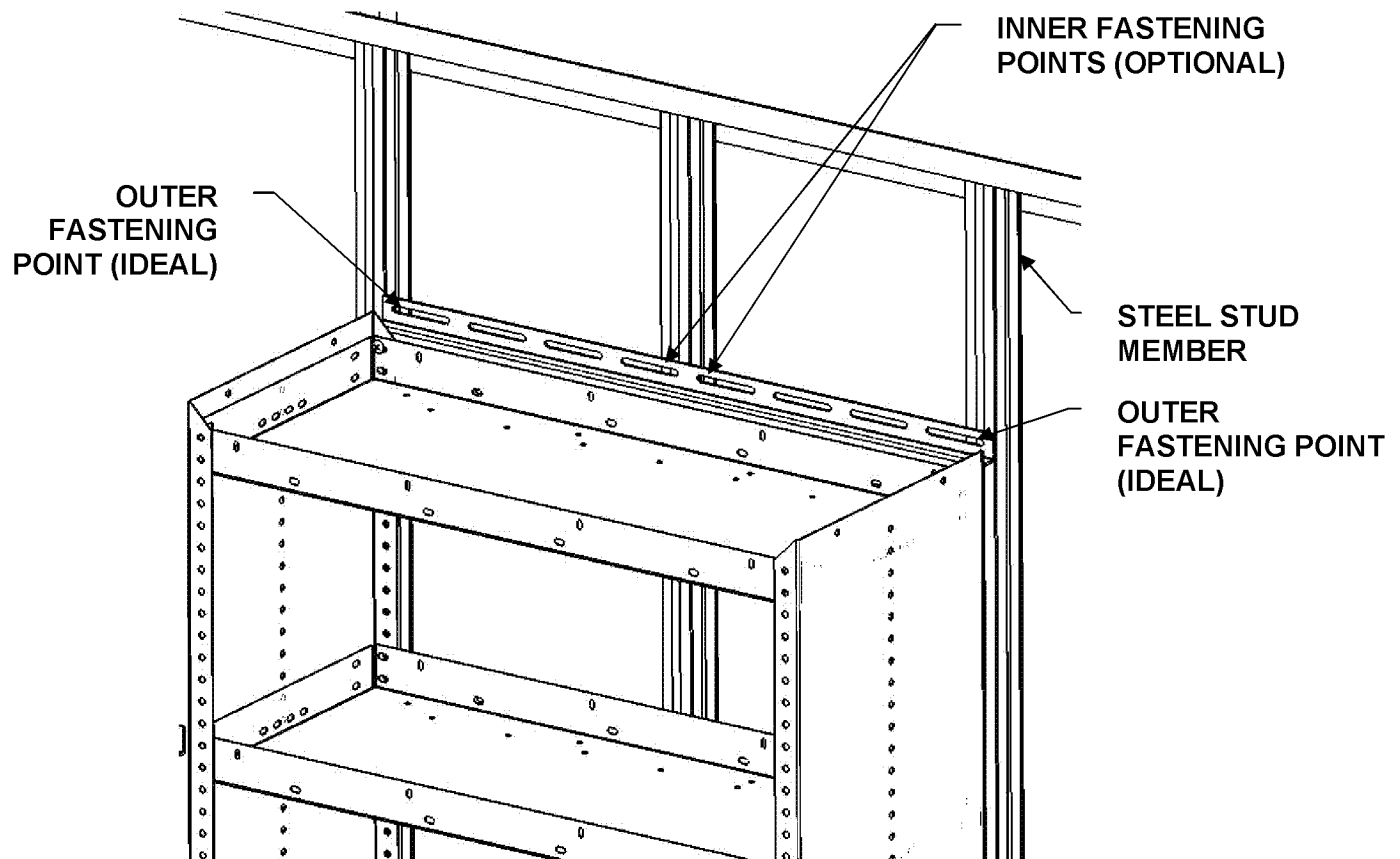


FIGURE 3. STUD LINE DETERMINATION. (INTERIOR PLYWOOD WALL REMOVED FROM FIGURE FOR STEEL STUD MEMBER VISIBILITY.)

- 6) AFTER STUD MEMBER FASTENING POINTS HAVE BEEN DETERMINED, TEMPORARILY MOVE PRODUCT AWAY FROM WALL. USING A DRILLMOTOR WITH 3/8" BIT & 3/4" STOP, DRILL THROUGH PLYWOOD SHEET AND STEEL STUD MEMBER AT ALL MARKED FASTENING POINTS.
- 7) MOVE PRODUCT BACK AGAINST WALL TO DESIRED LOCATION. RE-CHECK FASTENING POINTS, AND MOVE PRODUCT SIDE-TO-SIDE IF NECESSARY.
- 8) SET PLUSNUTS PER THE STANDARDS OUTLINED ON PAGES 3 & 4 OF THESE INSTRUCTIONS.



**DO NOT MOUNT PRODUCT TO WALL AT THIS POINT!
PROCEED TO NEXT STEP**



**ADRIAN STEEL**

VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

STEP – 03**FLOOR MOUNTING – PART 1**

- 1) WITH THE PRODUCT AGAINST INTERIOR PLYWOOD WALL AT THE DESIRED LOCATION, MARK THE PLYWOOD TRAILER FLOOR THROUGH THE FRONT, OUTER HOLES ON PRODUCT, AS SHOWN IN FIGURE 4.

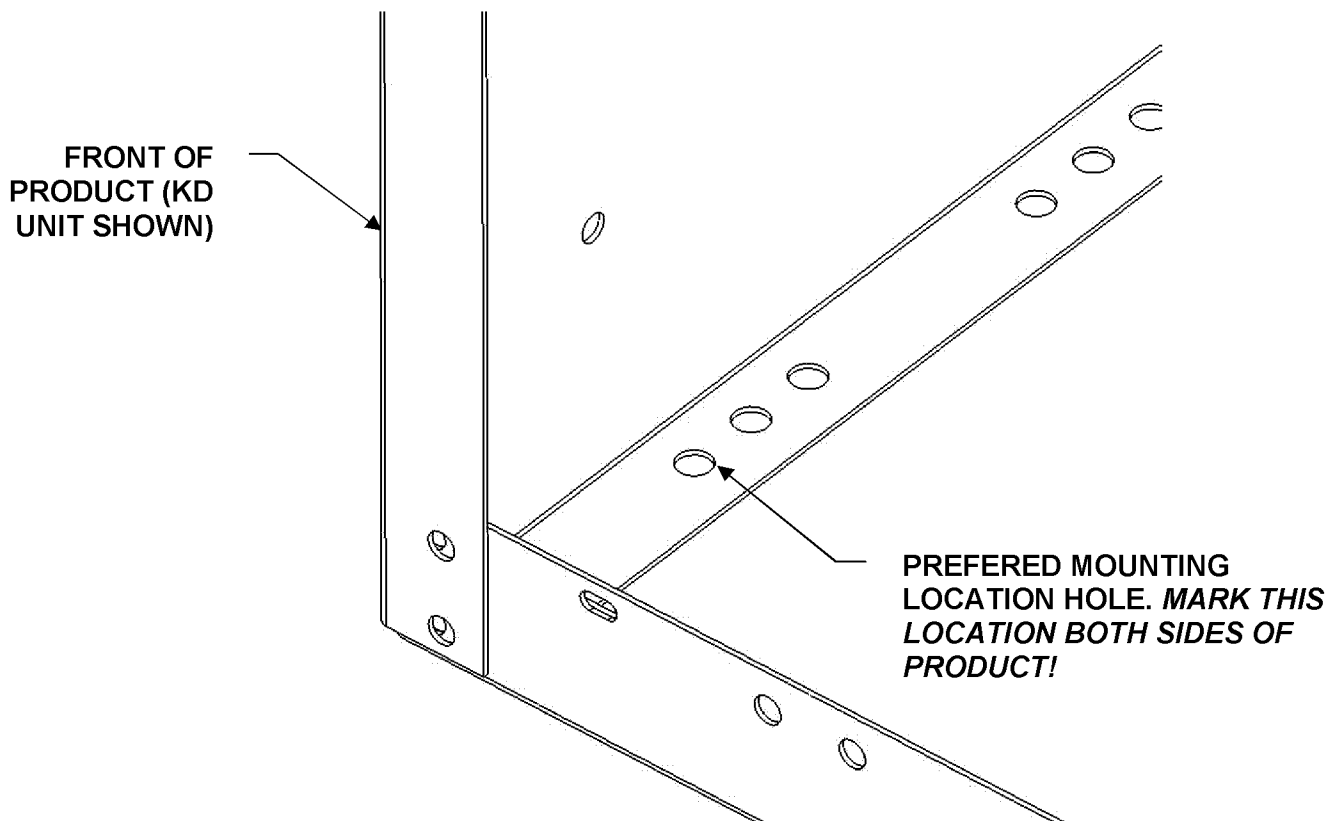


FIGURE 4. FLOOR MOUNTING LOCATIONS.

- 2) TEMPORARILY MOVE THE PRODUCT AWAY FROM THE WALL. USING A DRILLMOTOR WITH A 1/2" BIT, DRILL THROUGH PLYWOOD FLOOR AT BOTH MARKED POINTS.

NOTE: IF A STEEL FLOOR STRUCTURAL MEMBER IS PRESENT IN DRILLING LOCATION, SKIP TO STEP 06.

- 3) MOVE PRODUCT BACK AGAINST WALL TO PRE-DETERMINED LOCATION.



**DO NOT MOUNT PRODUCT TO FLOOR AT THIS POINT!
PROCEED TO NEXT STEP**



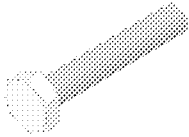
**ADRIAN STEEL**

VAN AND PICKUP EQUIPMENT

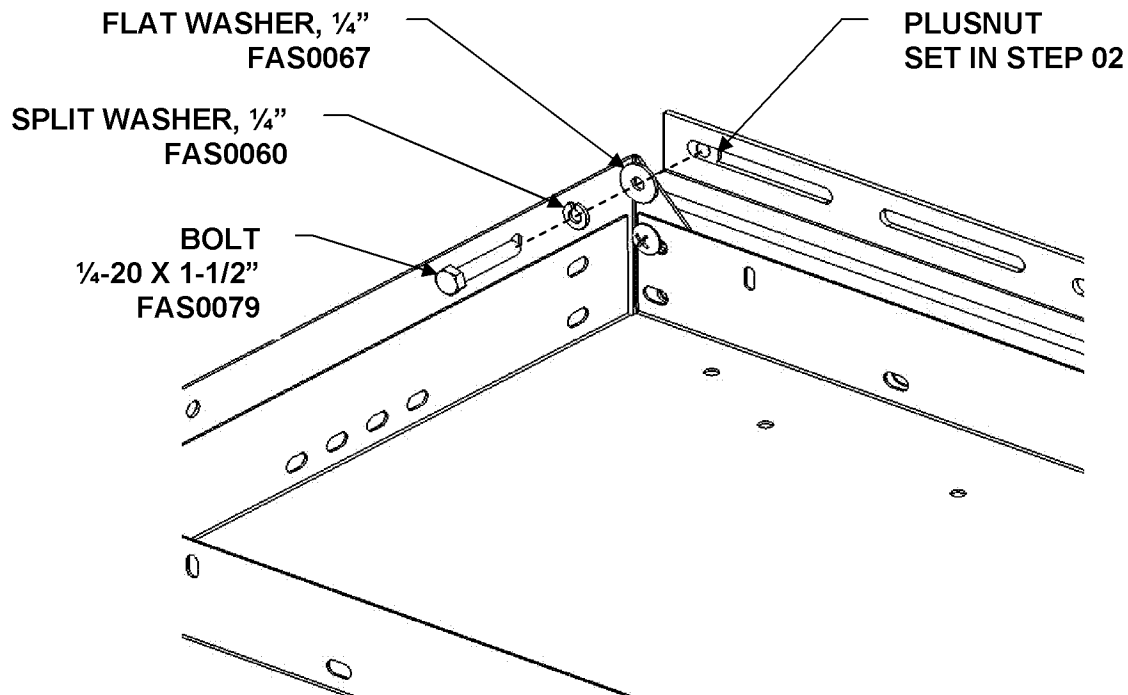
Z-RAIL KIT

STEP – 04**PRODUCT & Z-RAIL INSTALLATION – PART 2**

FASTENERS NEEDED FOR THIS STEP:

		
FAS0079 1/4-20 x 1-1/2" HH (2) REQUIRED (3) OPTIONAL	FAS0067 1/4" FLAT WASHER (2) REQUIRED (3) OPTIONAL	FAS0060 1/4" SPLIT LOCKWASHER (2) REQUIRED (3) OPTIONAL

- 1) WITH THE PRODUCT AGAINST WALL AT PRE-DETERMINED LOCATION, NOTE ALL FASTENING POINTS. *ENSURE THAT ALL FLOOR & WALL MOUNTING POINTS ADEQUATELY LINE-UP.* NEXT, FASTEN Z-RAIL TO WALL, AS SHOWN IN FIGURE 5.

**FIGURE 5. Z-RAIL FASTENING.**

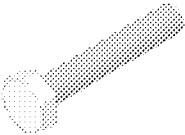
**ADRIAN STEEL**

VAN AND PICKUP EQUIPMENT

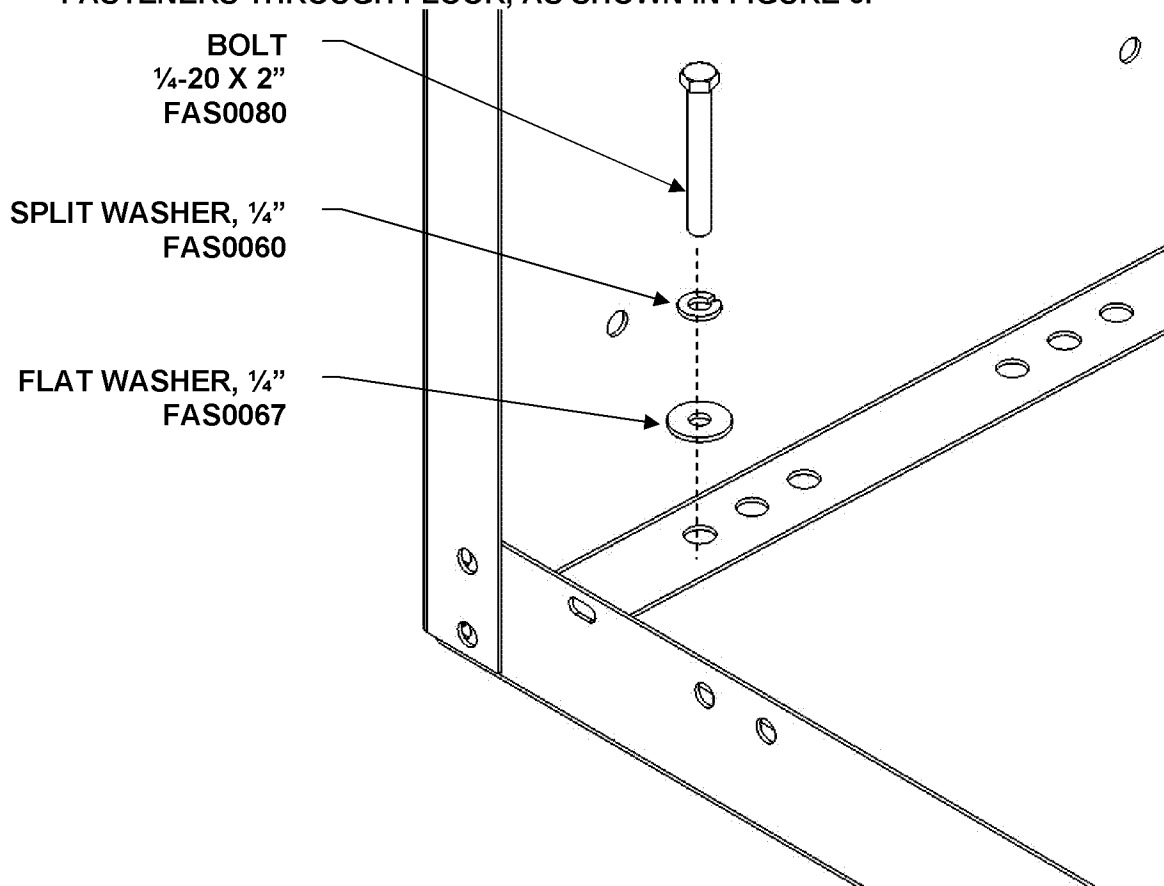
Z-RAIL KIT

STEP – 05**FLOOR MOUNTING – PART 2**

FASTENERS NEEDED FOR THIS STEP:

			
FAS0080 1/4-20 x 2" HH (2) REQUIRED	FAS0067 1/4" FLAT WASHER (2) REQUIRED	FAS0060 1/4" SPLIT LOCKWASHER (2) REQUIRED	32239-0 MOUNTING PLATE (2) REQUIRED

- 1) WITH PRODUCT SECURELY MOUNTED TO WALL, AS ILLUSTRATED IN STEP 04, INSERT FASTENERS THROUGH FLOOR, AS SHOWN IN FIGURE 6.

**FIGURE 6. FLOOR MOUNTING FASTENERS.**



Z-RAIL KIT

- 2) APPLY SILICONE SEALANT (INCLUDED) FULLY AROUND THE PERIMETER TO ONE SIDE OF EACH MOUNTING PLATE, AS SHOWN IN FIGURE 7.

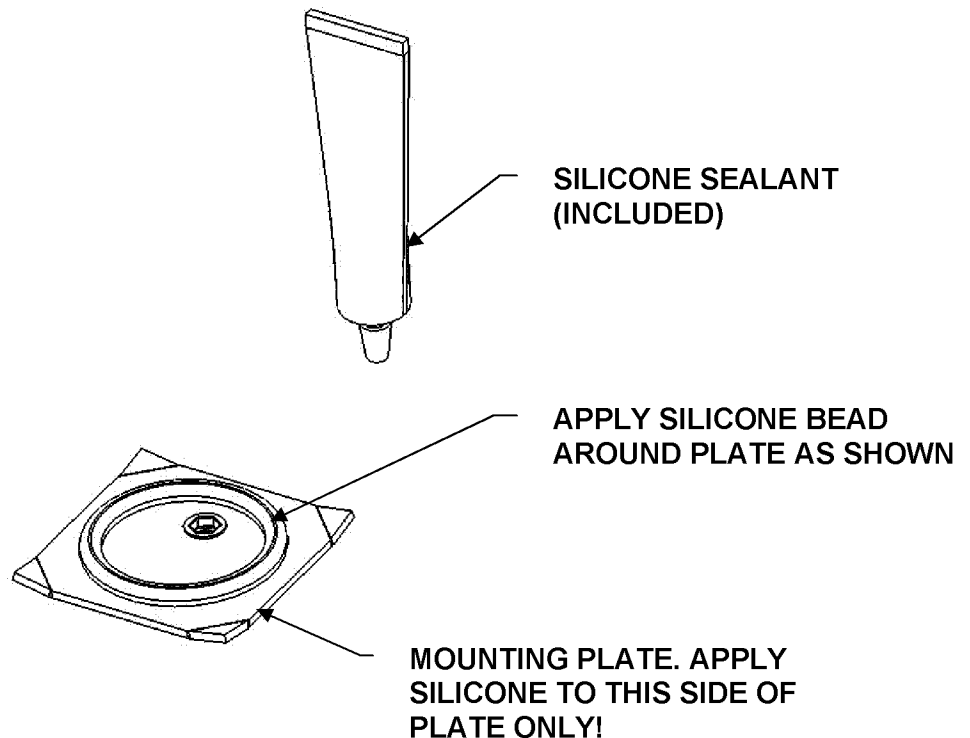


FIGURE 7. SILICONE SEALANT APPLICATION TO MOUNTING PLATE.

- 3) GO BENEATH TRAILER TO PRODUCT BEING INSTALLED. LOCATE THE TWO BOLTS PETRUDING THROUGH THE FLOOR. SCREW THE MOUNTING PLATES ON THE BOLTS UNTIL THE SHARP CORNERS OF THE MOUNTING PLATES "BITE" THE UNDERSIDE OF PLYWOOD FLOOR.

HELPFUL NOTE: IT MAY BE NECESSARY TO HOLD THE BOLT END WITH ONE HAND WHILE APPLYING A DOWNWARD FORCE TO PREVENT THE BOLT FROM SPINNING WHILE MOUNTING PLATE IS THREADED UP TO PLYWOOD FLOOR.

- 4) GO BACK TO TRAILER INTERIOR AND SECURELY TIGHTEN THE FLOOR FASTENERS AS OUTLINED ON PAGES 2 THROUGH 4 OF THESE INSTRUCTIONS.

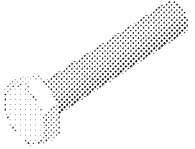
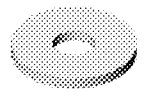
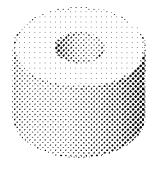
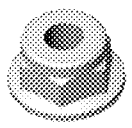


STEP – 06

FLOOR MOUNTING – PART 3

NOTE: IF YOU DID NOT ENCOUNTER A STEEL FLOOR STRUCTURAL MEMBER, SKIP THIS STEP.

FASTENERS NEEDED FOR THIS STEP:

				
FAS0634 1/4-20 x 2-1/2" HH (1) REQUIRED	FAS0067 1/4" FLAT WASHER (1) REQUIRED	FAS0060 1/4" SPLIT LOCKWASHER (1) REQUIRED	SPACER 11/16" (1) REQUIRED	NUT, NYLOCK 1/4-20 (1) REQUIRED

COMMON TRAILER STEEL FLOOR STRUCTURAL MEMBERS ARE EITHER "Z" CHANNELS OR "C" CHANNELS. WHICHEVER CHANNEL IS APPLICABLE TO YOUR INSTALLATION, MOUNTING TO THE CHANNEL FLANGE MAY BE NECESSARY. TRAILER STEEL FLOOR CHANNELS ARE TYPICALLY LOCATED ON 24" CENTERS. *THIS STEP ASSUMES THAT THE INSTALLER HAS ALREADY DRILLED THROUGH THE TRAILER PLYWOOD FLOOR UPON DETECTION OF THE STEEL CHANNEL.*

- 1) WITH A DRILL MOTOR AND 1/2" DRILL BIT, DRILL THROUGH THE STEEL CHANNEL FLANGE.
- 2) WITH A DRILL MOTOR AND 1" HOLE SAW, BORE PLYWOOD FLOOR TO STEEL FLANGE.
- 3) APPLY A GENEROUS BEAD OF SILICONE SEALANT (INCLUDED) ALONG THE BOTTOM OF THE HOLE. *(IMPORTANT: THIS WILL SEAL THE EXPOSED PLYWOOD FROM PENETRATING MOISTURE THROUGH TRAILER UNDERCARRIAGE!)*
- 4) PLACE 11/16" SPACER IN HOLE AND POSITION PRODUCT TO BE INSTALLED IN DETERMINED LOCATION.
- 5) INSERT FASTENERS THROUGH FLOOR AS SHOWN PREVIOUSLY IN FIGURE 6.
- 6) GO BENEATH TRAILER TO THE LOCATION WHERE THE PRODUCT IS BEING INSTALLED. LOCATE THE BOLT PROTRUDING THROUGH THE STEEL CHANNEL FLANGE.
- 7) ATTACH FASTENERS AS SHOWN IN FIGURE 7 AND SECURE PER FASTENER STANDARDS AS OUTLINED ON PAGES 2 & 3 OF THESE INSTRUCTIONS.

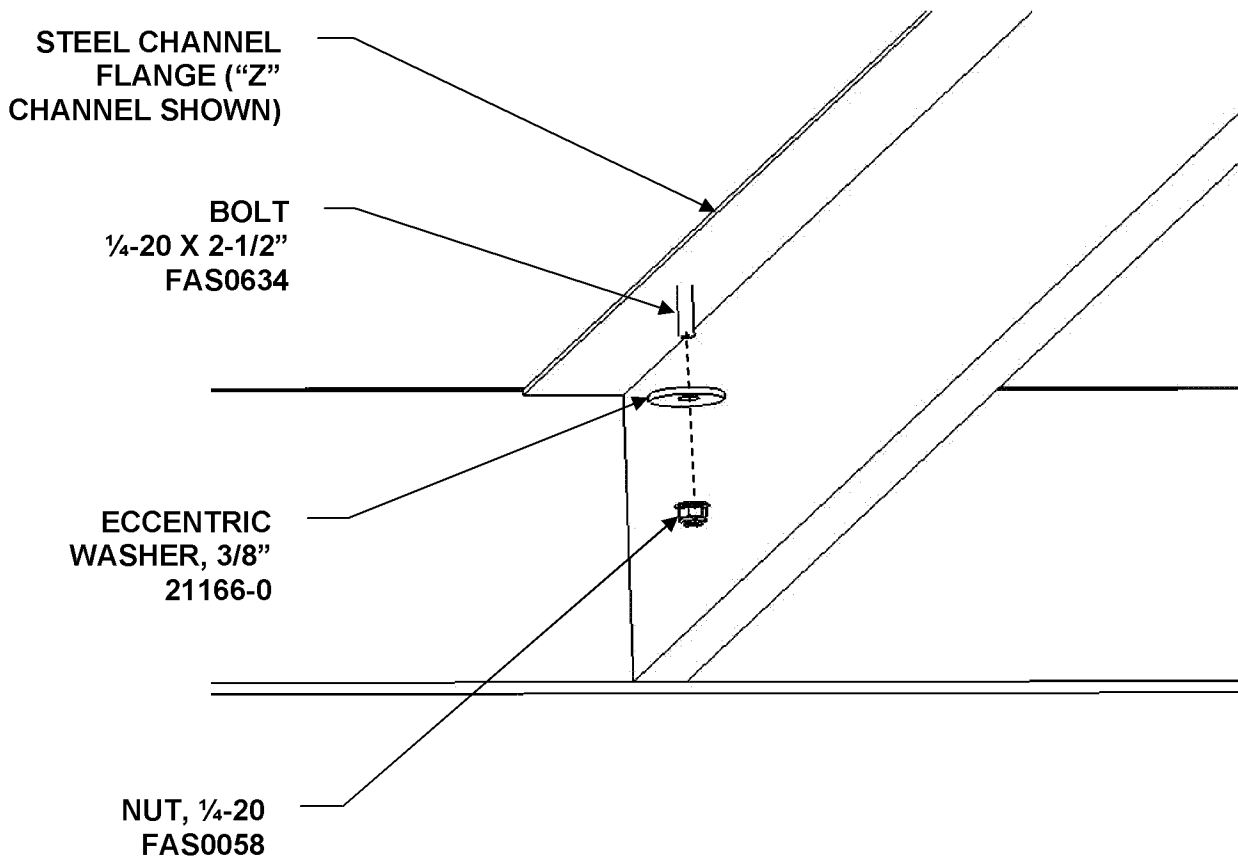


FIGURE 7. BOLT THROUGH STEEL CHANNEL FLANGE.

**ADRIAN STEEL**

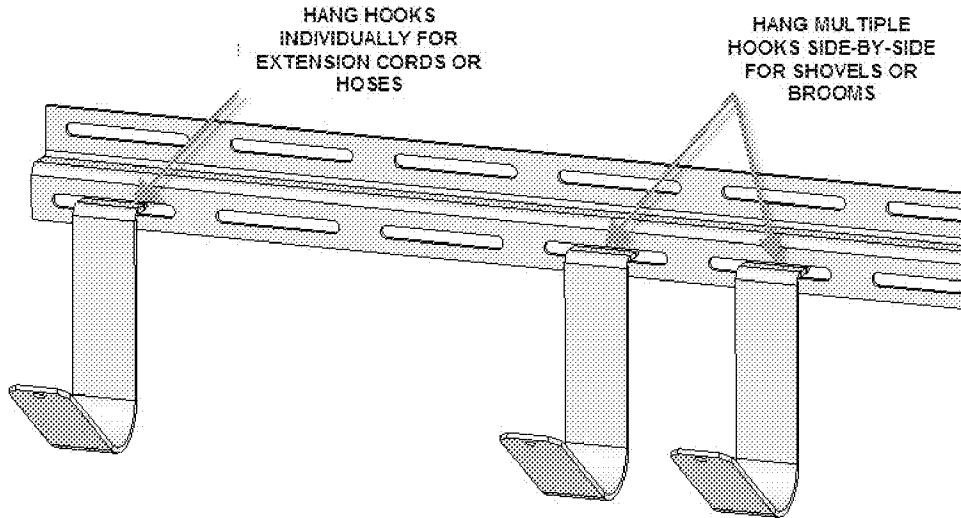
VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

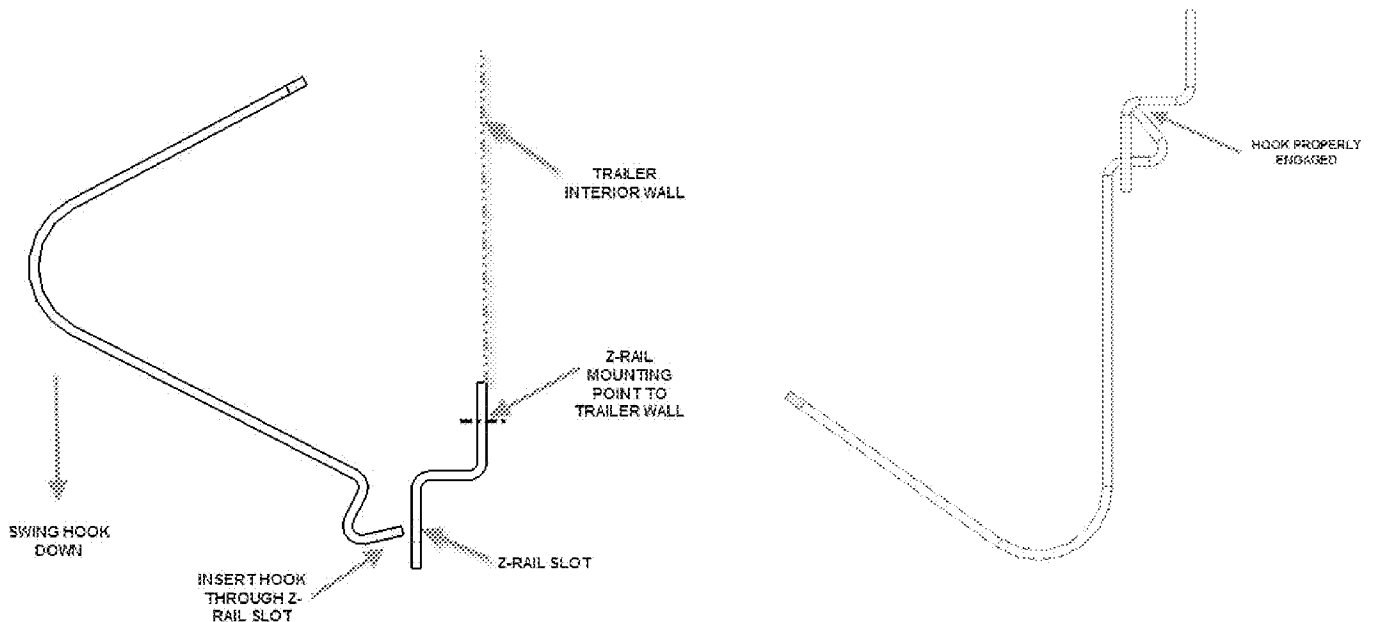
STEP – 07**Z-RAIL ACCESSORY HOOKS**

NOTE: IF YOU DO NOT HAVE Z-RAIL ACCESSORY HOOKS, SKIP TO STEP 09.

DEPENDING ON YOUR STORAGE NEEDS, THE Z-RAIL HOOKS CAN BE PLACED IN THE Z-RAIL SLOTS INDIVIDUALLY (I.E., EXTENSION CORDS) OR IN MULTIPLES CONFIGURATIONS SIDE-BY-SIDE (I.E., BROOMS), AS ILLUSTRATED BELOW.

**STEP – 08****HANG THE Z-RAIL HOOK**

AS ILLUSTRATED BELOW, INSERT HOOK(S) THROUGH Z-RAIL SLOTS AT DESIRED LOCATIONS. AFTER INSERTING HOOK THROUGH Z-RAIL SLOT, “SWING” THE OPPOSITE HOOK END DOWNWARD TO ENGAGE.



**ADRIAN STEEL**

VAN AND PICKUP EQUIPMENT

Z-RAIL KIT

STEP – 09**ADDITIONAL/OTHER PRODUCT INSTALLATION GUIDELINES**

CARGO TRAILER UPFITS ARE RATED FOR THE EXPERIENCED INSTALLER. WITH PRODUCT AND INSTALLATION KNOWLEDGE LIBERTIES CAN BE TAKEN TO ACHIEVE A SECURE INSTALLATION. FOLLOW THESE GENERAL GUIDELINES WHEN INSTALLING ADDITIONAL/OTHER PRODUCT:

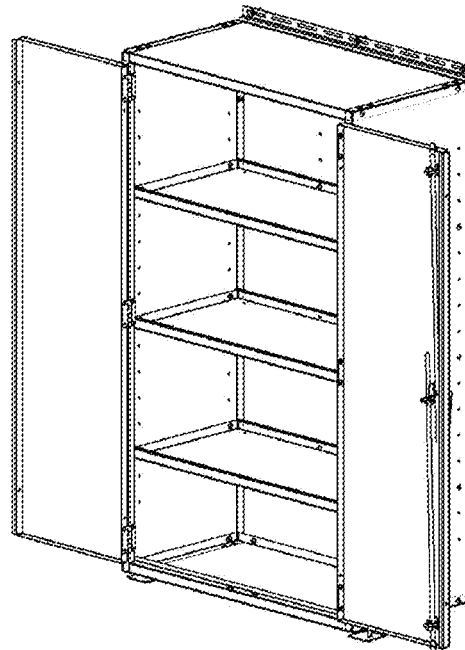
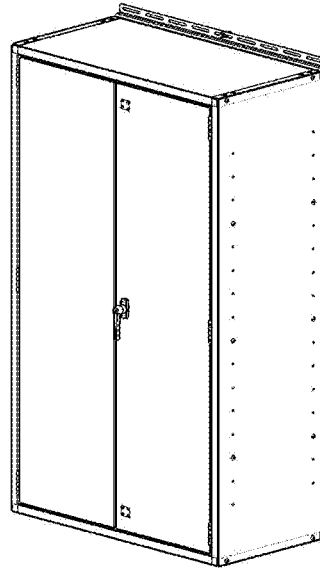
- 1) FOR ADDITIONAL SUPPORT, IT IS RECOMMENDED THAT ADJACENT PRODUCT BE THRU-BOLTED TOGETHER.
- 2) WHEN INSTALLING MODULAR UNITS MD701T & MD702T, ATTACH Z-RAIL TO TRAY TOP IN THE SAME MANNER AS THE KD UNIT OUTLINED IN STEP 01 (DRILLING THE PRODUCT TO ATTACH THE Z-RAIL WILL BE REQUIRED).
- 3) WHEN INSTALLING A WORKBENCH MODULE MD705T, DRILL CLEARANCE HOLES ON THE REAR TABLE TOP FLANGE AT THE THREE Z-RAIL SLOT LOCATIONS, THEN THROUGH BOLT AS OUTLINED IN STEP 01.
- 4) WHEN INSTALLING TANK RACKS, THE Z-RAIL CAN BE USED IN CONJUNCTION WITH STANDARD STRAP BRACKETS ATTACHED TO THE PRODUCT. TANK RACKS CAN ALSO BE USED WITHOUT THE Z-RAIL BY BOLTING THROUGH FLOOR *AND* ADJACENT PRODUCT.
- 5) WHEN INSTALLING CABINETS (NO FLOOR SUPPORT/MOUNTING) ATTACH THE Z-RAIL TO THE TOP AND BOTTOM OF CABINET (DRILLING THE PRODUCT TO ATTACH THE Z-RAIL WILL BE REQUIRED), THEN MOUNT BOTH Z-RAILS TO TRAILER STEEL STUD MEMBERS AS OUTLINED IN THESE INSTRUCTIONS.



ADRIAN STEEL®
VAN AND PICKUP EQUIPMENT

UTILITY TRAILER LOCKER CABINET

Utility Trailer Locker Cabinet "CL1860" Assembly / Installation Instructions



P.N.: 33239-0

ISSUE: D

CHK.BY: TW

REV.BY: DCS

DWG.BY: DCS

DATE: 01-05-2007



ADRIAN STEEL®

VAN AND PICKUP EQUIPMENT

UTILITY TRAILER LOCKER CABINET

BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED AS SPECIFIED IN ORDER TO ENSURE A PROPER INSTALLATION AND MUST BE FOLLOWED IN ORDER TO MAINTAIN YOUR PRODUCT WARRANTY!



CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIROMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

#2 AND #3 PHILLIPS SCREWDRIVER
3/8", 11/32", 7/16", 1/2", 9/16" COMBINATION END WRENCHES
DRILL MOTOR, WITH 3/8" DRILL BIT, SAFETY GLASSES
RATCHET WRENCH, WITH 3/8, 11/32", 7/16", 1/2" & 9/16" SOCKETES
TORQUE WRENCH, 1/8" BALL END ALLEN WRENCH

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



WARNING



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS ALONG WITH PROPER INSPECTION FOR GAS TANK, GAS LINES, BRAKE LINES AND ELECTRICAL LINES PRIOR TO DRILLING ANY MOUNTING HOLES IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!



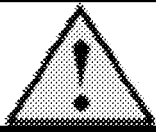
THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THE INSTRUCTION (S) MAY VOID YOUR PRODUCT WARRANTY!

ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!

ADRIAN STEEL COMPANY • 906 JAMES ST. • ADRIAN, MI. 49221 • (517) 265-6194

**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

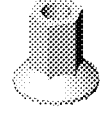
UTILITY TRAILER LOCKER CABINET

TO PREVENT EXHAUST FUMES FROM ENTERING THE VEHICLE,
ALL HOLES SHOULD BE SEALED AT INSTALLATION WITH
BUTYL OR SILICON SEALANT MATERIAL.



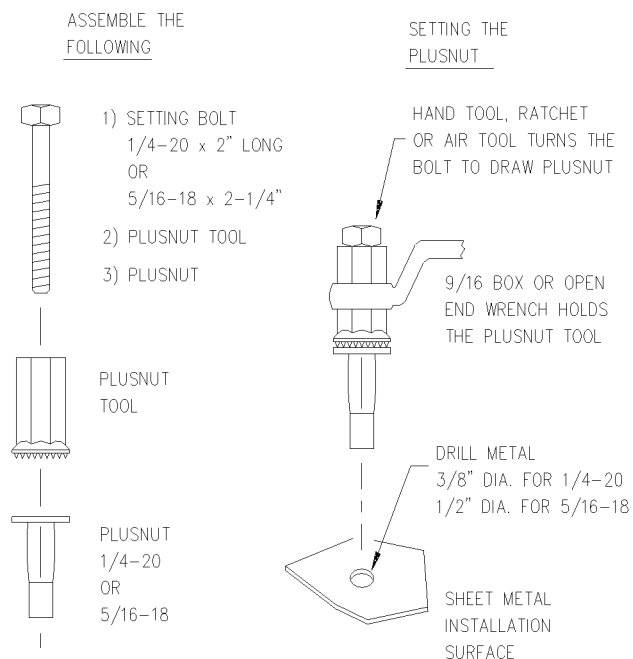
Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE		DRILL SIZE <i>(with stop)</i>
1/4-20 PLUSNUT, FAS0052		3/8" DIAMETER
5/16-18 PLUSNUT, FAS0091		1/2" DIAMETER

 FAS0067 WASHER, FLAT, 1/4" ID (1) REQUIRED	 FAS0628 1/4-20UNC PLUSNUT (3) REQUIRED	 FAS0080 BOLT, HEX HD, 1/4-20UNC X 2", ZN, G8 (1) REQUIRED	 22200-0 PLUSNUT TOOL	NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291-0
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Using 3/8" drill bit with drill stop
drill holes at the marks you made in
the utility trailer sidewall vertical
supports.

Clean up debris from drilling and
install a 1/4" plus nut into each hole
and set the plusnut as shown in
illustration.



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VAN AND PICKUP EQUIPMENT

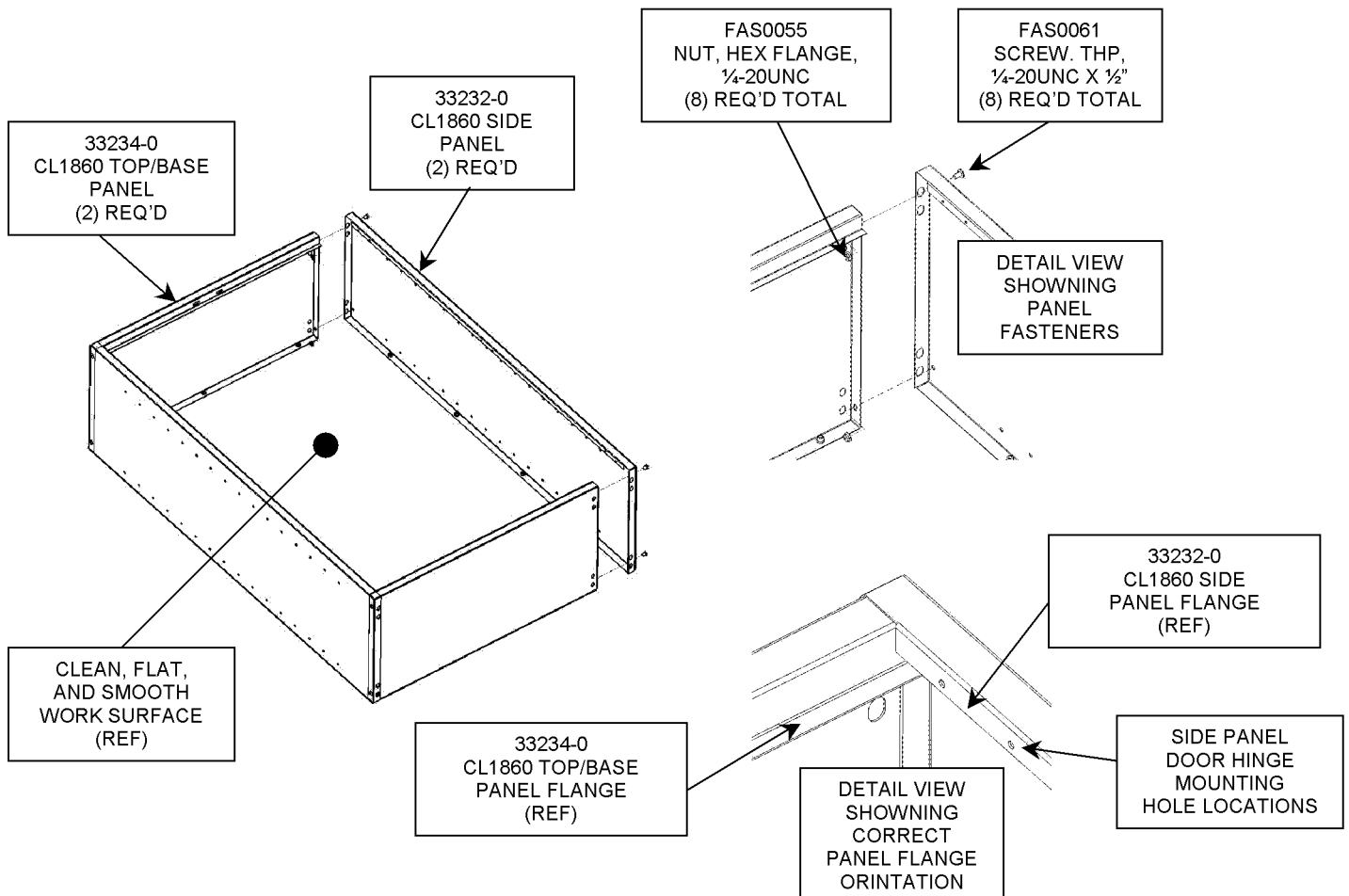
UTILITY TRAILER LOCKER CABINET**STEP – 01****CABINET LOCKER TOP, BASE, & SIDE PANEL ASSEMBLY**

**USE CAUTION WHEN REMOVING NESTED COMPONENT
CABINET SHELFs, TOP/BOTTOM AND SIDE PANELS FROM
BOXING TO PREVENT DEFORMING PANEL FLANGES.**



 FAS0061 SCREW, THP, 1/4-20UNC x .50" (8) REQ'D	 FAS0055 NUT, HEX FLANGE, 1/4-20UNC (8) REQ'D 8 FT-LBS +/- 2 FT-LBS	 33234-0 CL1860 BASE/TOP PANEL (2) REQ'D	 33232-0 CL1860 SIDE PANEL (2) REQ'D
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On a clean flat work surface, position the BASE/TOP PANEL ASSY & SIDE PANEL ASSY components as shown in left detail view below. Proper BASE/TOP PANEL to SIDE PANEL flange orientation is shown in the lower right view below. Be sure both side panels have the correct orientation before securing together with the fasteners listed above. Tighten all fasteners at this time to 8 ft-lbs +/- 2 ft-lbs at this time.

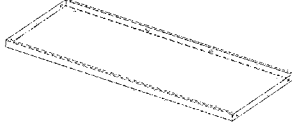


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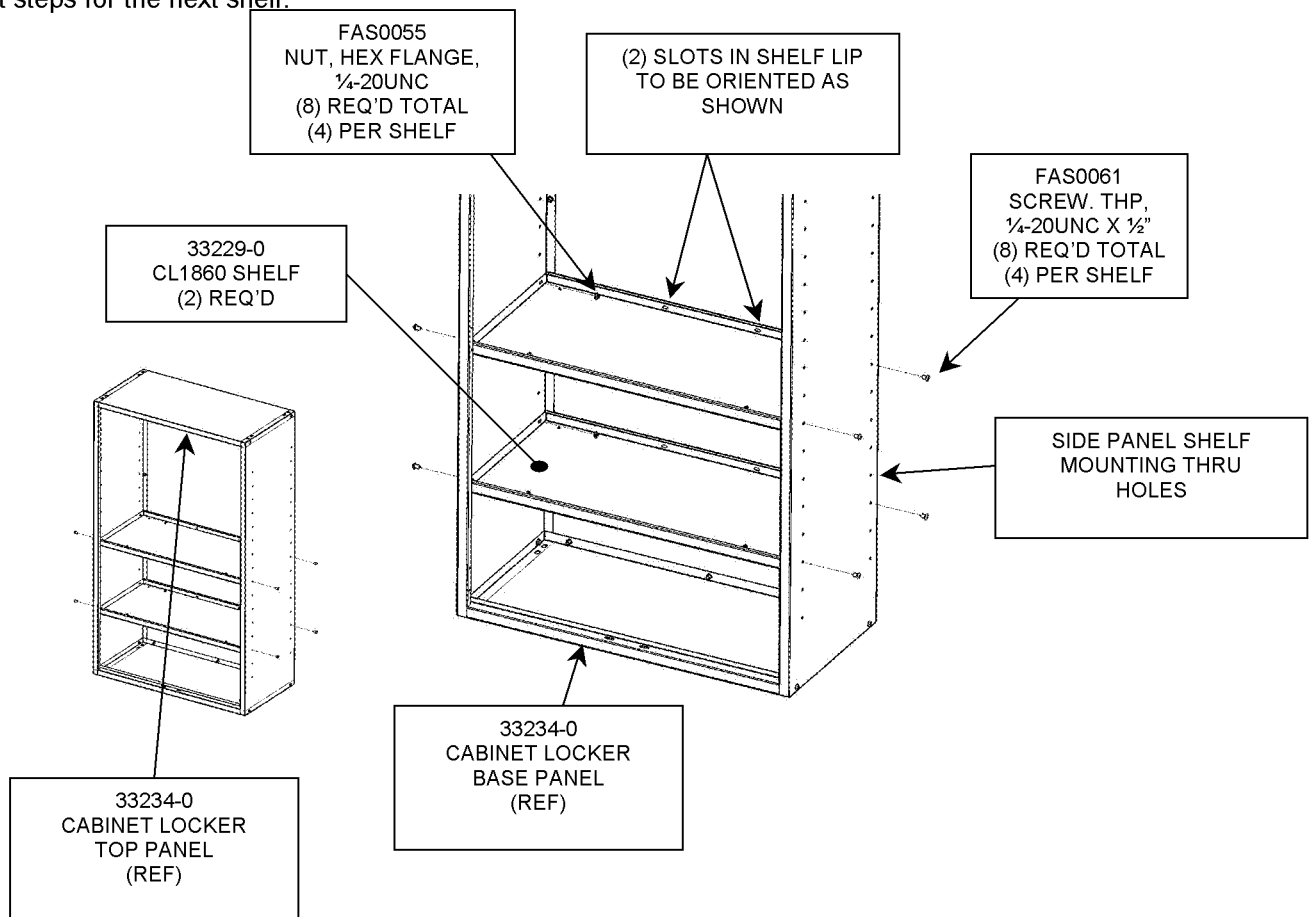
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VAN AND PICKUP EQUIPMENT

UTILITY TRAILER LOCKER CABINET**STEP – 02****LOWER (2) CABINET SHELF INSTALLATION**

 FAS0061 SCREW, THP, 1/4-20UNC x .50" (8) REQ'D	 FAS0055 NUT, HEX FLANGE, 1/4-20UNC (8) REQ'D 8 FT-LBS +/- 2 FT-LBS	 33229-0 CL1860 SHELF (2) REQ'D
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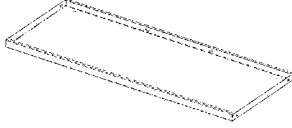
Reposition the completed TOP/BASE & SIDE PANEL subassembly into the vertical position as shown below. Position the lower of the two shelves inside the cabinet locker ensuring that the shelf flanges are pointing up toward the "Top Panel". The (2) slots located in the shelf lip (long axis) are to be orientated as shown below. Align the shelf end lip mounting slots with the through holes located in the SIDE PANEL and install fasteners. Exact height of the lower shelf from the "Base Panel" to be determined by the end user. Tighten the (4) fasteners to 8 ft-lbs +/- 2 ft-lbs. Repeat steps for the next shelf.



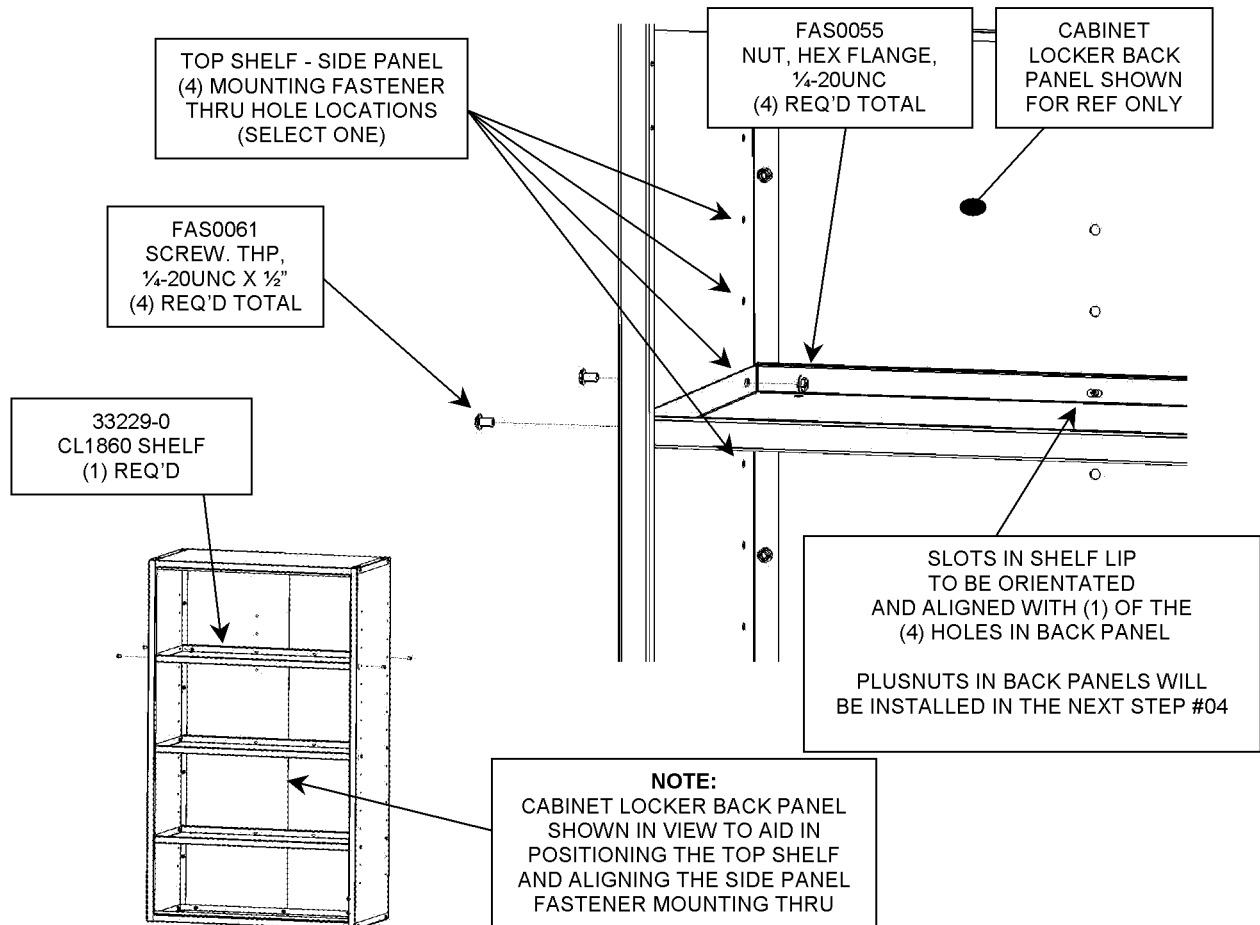
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UTILITY TRAILER LOCKER CABINET**STEP – 03****TOP CABINET SHELF INSTALLATION**

 FAS0061 SCREW, THP, 1/4-20UNC x .50" (4) REQ'D	 FAS0055 NUT, HEX FLANGE, 1/4-20UNC (4) REQ'D 8 FT-LBS +/- 2 FT-LBS	 33229-0 CL1860 SHELF (1) REQ'D
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Position the upper shelf inside the cabinet locker ensuring that the shelf flanges are pointing up toward the "Top Panel". The (2) slots located in the shelf lip (long axis) are to be aligned with (1) of the four thru holes located in the back panel shown in views below. These slots will have fasteners installed thru the shelf lip into a plus nut mounted on each cabinet back panel, providing cabinet rigidity during installation in utility trailer. Align the shelf end lip mounting slots with the through holes located in the SIDE PANEL and install fasteners. The exact height of the lower shelf from the "Base Panel" is to be determined by the end user. Tighten the (4) fasteners to 8 ft-lbs +/- 2 ft-lbs. Note: the top shelf can be readily repositioned by the end user at any time after installation in utility trailer.



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UTILITY TRAILER LOCKER CABINET**STEP – 04****BACK PANELS AND Z-RAIL INSTALLATION**

FAS0052
PLUSNUT
1/4-20UNC
(2) REQ'D



FAS0061
SCREW, THP,
1/4-20UNC x .50"
(13) REQ'D
8 FT-LBS +/- 2 FT-LBS



32235-0
Z-RAIL, 36" LONG
(1) REQ'D

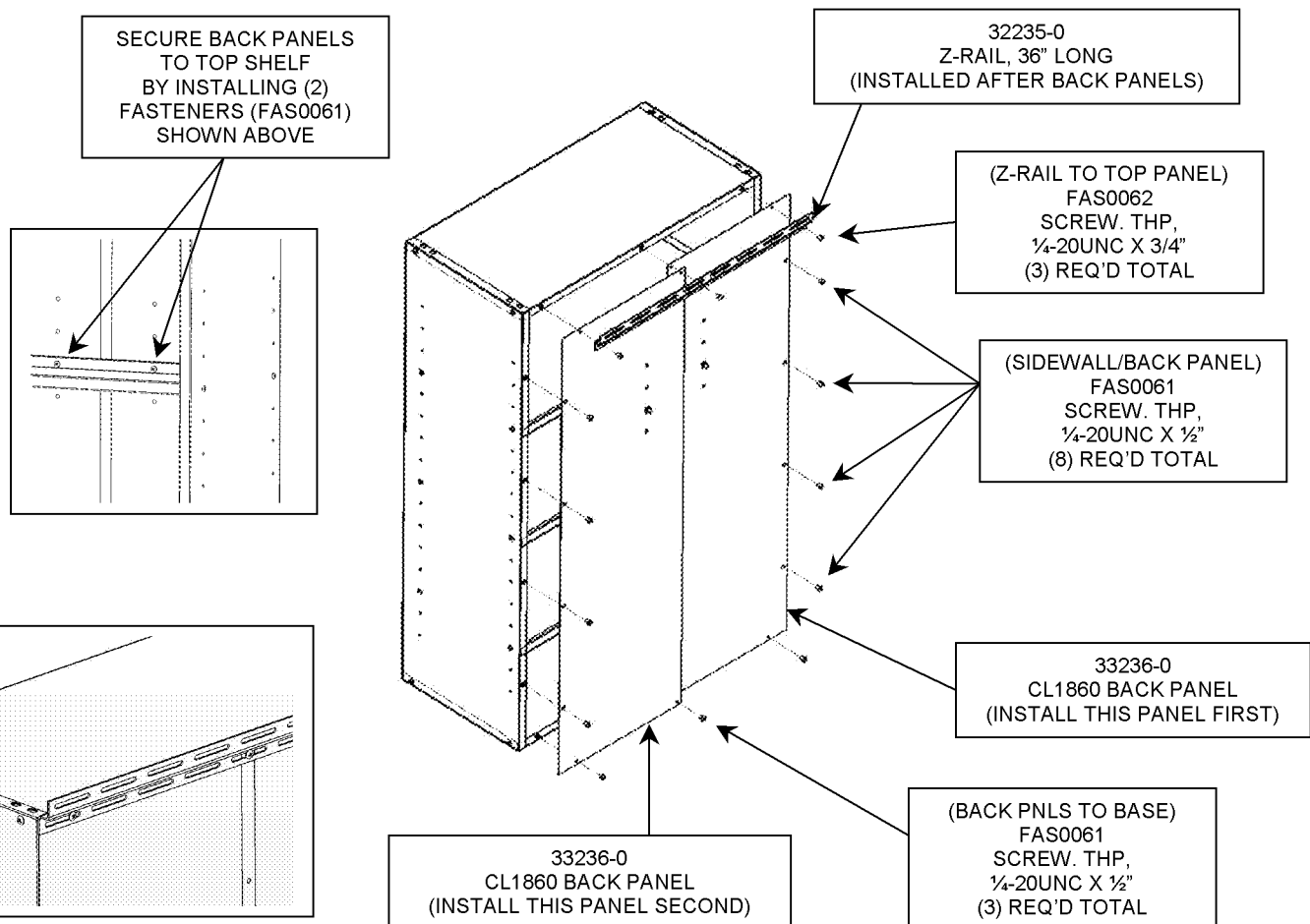


33236-0
CL1860 BACK
PANEL
(2) REQ'D



FAS0062
SCREW, THP,
1/4-20UNC x .75"
(3) REQ'D
8 FT-LBS +/- 2 FT-LBS

Install (2) 1/4-20UNC Plusnuts (one into each back panel) such that they align with the top cabinet locker shelf previously installed in step 05. Refer to plusnut installation instructions in the front section of this document. After the plusnuts have been installed, align the first back panel with the back flanges of the cabinet locker top/bottom/side panels. Secure panel in place by installing the fasteners thru the back panel along into the rivnuts press fit into the side wall panel flanges, tighten to 8 ft-lbs +/- 2 ft-lbs. Position the second panel on cabinet locker and repeat previous outlined steps. After both back panels have been secured to the side wall panels position the Z-RAIL as shown in lower left hand detail view. Secure the Z-RAIL to the Top Panel by inserting (3) fasteners thru the Z-RAIL, BACK PANELS, and into the rivnuts of the top panel, tighten fasteners to 8 ft-lbs +/- 2 ft-lbs.



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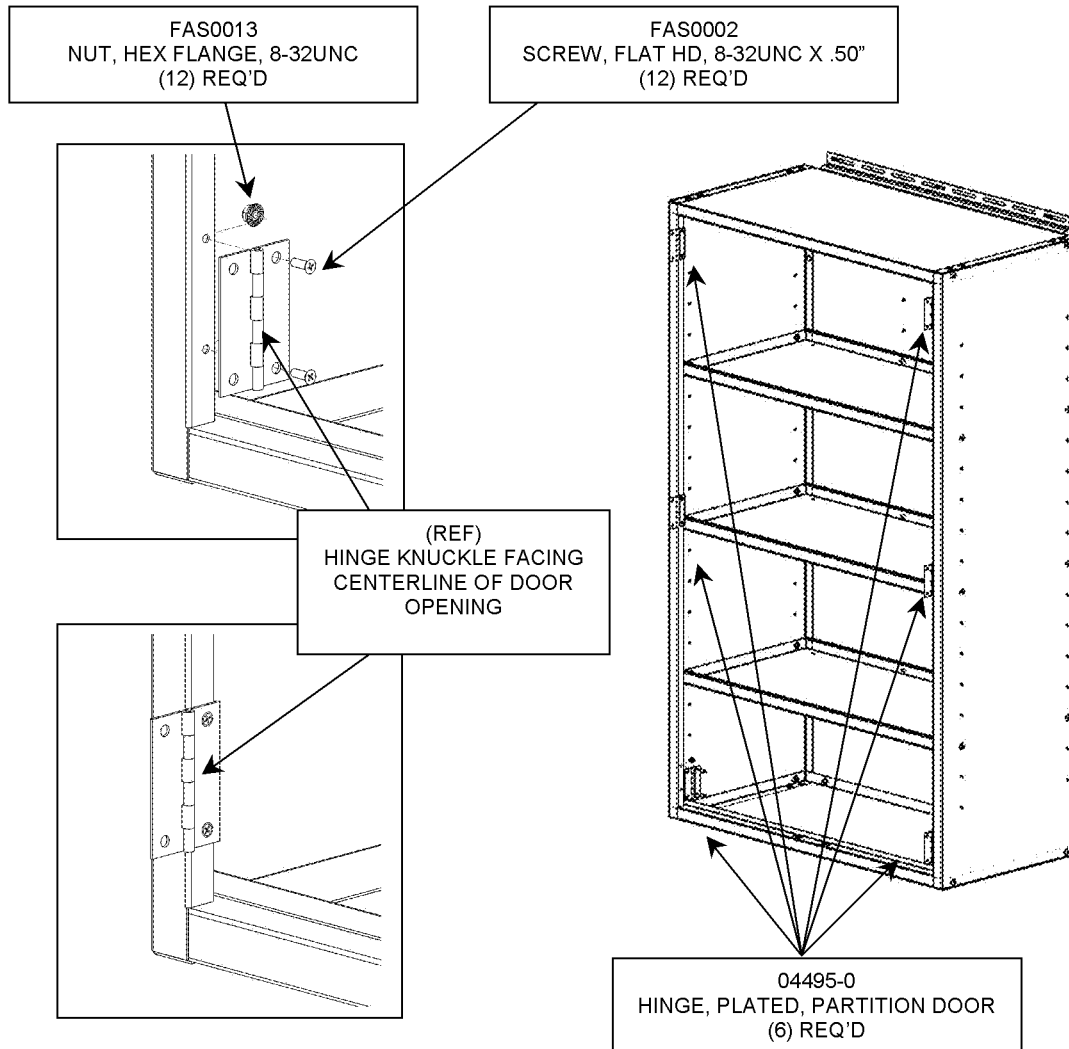
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UTILITY TRAILER LOCKER CABINET**STEP – 05****DOOR HINGE TO SIDE PANEL INSTALLATION**

 04495-0 HINGE, PLATED, PARTITION DOOR (6) REQ'D	 FAS0002 SCREW, FLAT HD, PHPS, 8-32UNC x .50" (12) REQ'D	 FAS0013 NUT, HEX FLANGE, 8-23UNC (12) REQ'D 20 IN-LBS +/- 3 IN-LBS
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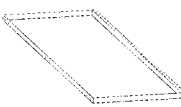
Install (6) DOOR HINGES (three per side panel) by aligning the hinge mounting holes with the side wall hinge mounting holes as shown below in top left detail view. The hinge knuckle must be facing toward the center of the door opening as shown in the top and bottom left detail views below. Secure each hinge to the side panel with the fasteners listed above; tighten all fasteners to 20 in-lbs +/- 3 in-lbs.



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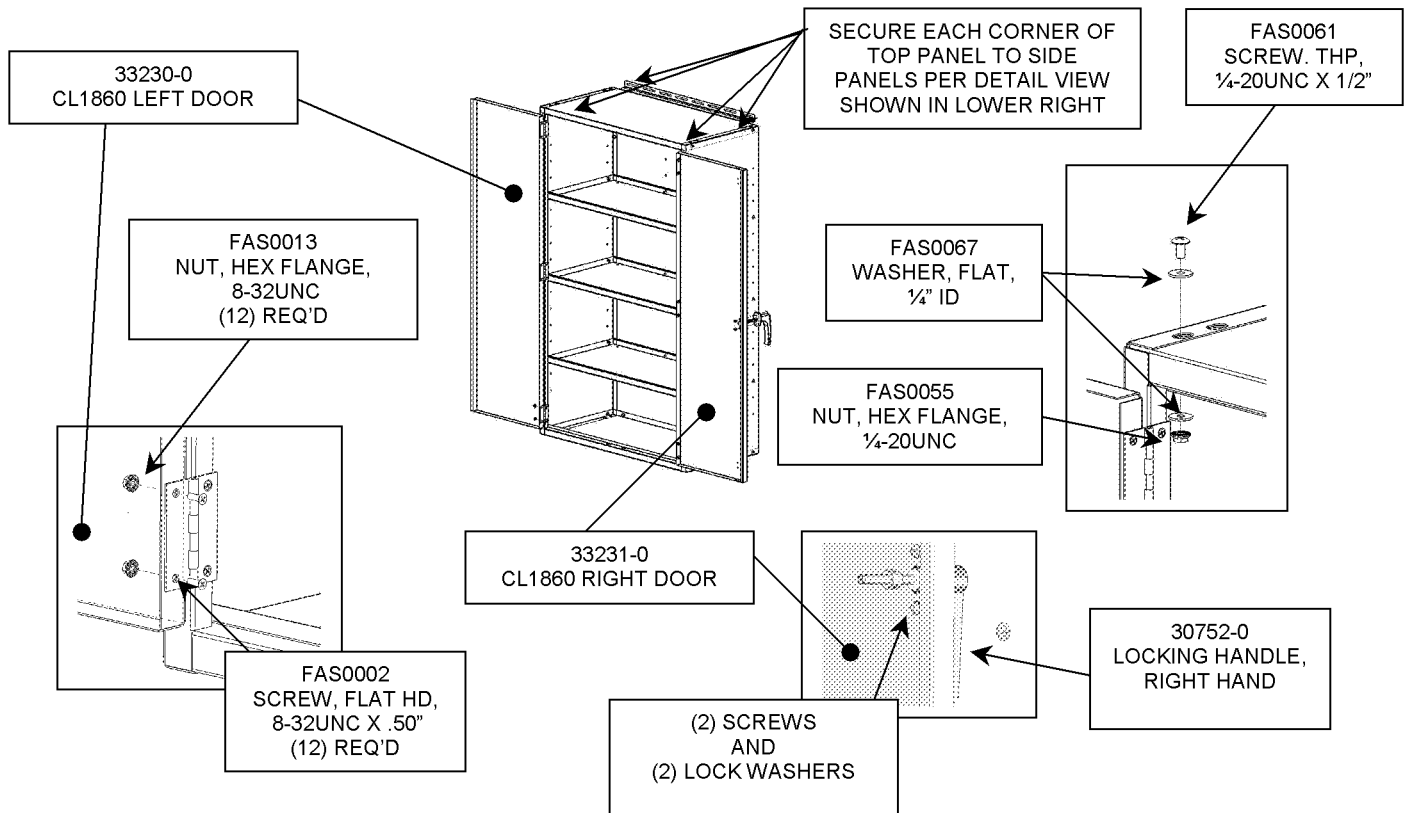
VAN AND PICKUP EQUIPMENT

UTILITY TRAILER LOCKER CABINET**STEP – 06****LEFT / RIGHT DOOR & DOOR HANDLE INSTALLATION**

 FAS0002 SCREW, FLAT HD, PHPS, 8-32UNC x .50" (12) REQ'D	 FAS0013 NUT, HEX FLANGE, 8-23UNC (12) REQ'D 20 IN-LBS +/- 3 IN-LBS	 33231-0 CL1860 RIGHT DOOR	 FAS0061 SCREW, THP, 1/4-20UNC x .50" (4) REQ'D 8 FT-LBS +/- 2 FT-LBS
 33230-0 CL1860 LEFT DOOR	 30752-0 LOCKING HANDLE, RIGHT HAND	 FAS0055 NUT, HEX FLANGE, 1/4-20UNC (4) REQ'D 8 FT-LBS +/- 2 FT-LBS	 FAS0067 WASHER, FLAT, 1/4" ID (8) REQUIRED

Position the LEFT DOOR against previously installed door hinges and secure door to all (3) hinges with the fasteners listed in the lower left hand detail view, tighten to 20 in-lbs +/- 3" in-lbs. Repeat procedure for the RIGHT DOOR as outlined for the left door. Now close the LEFT DOOR followed by the RIGHT DOOR to check for correct operation.

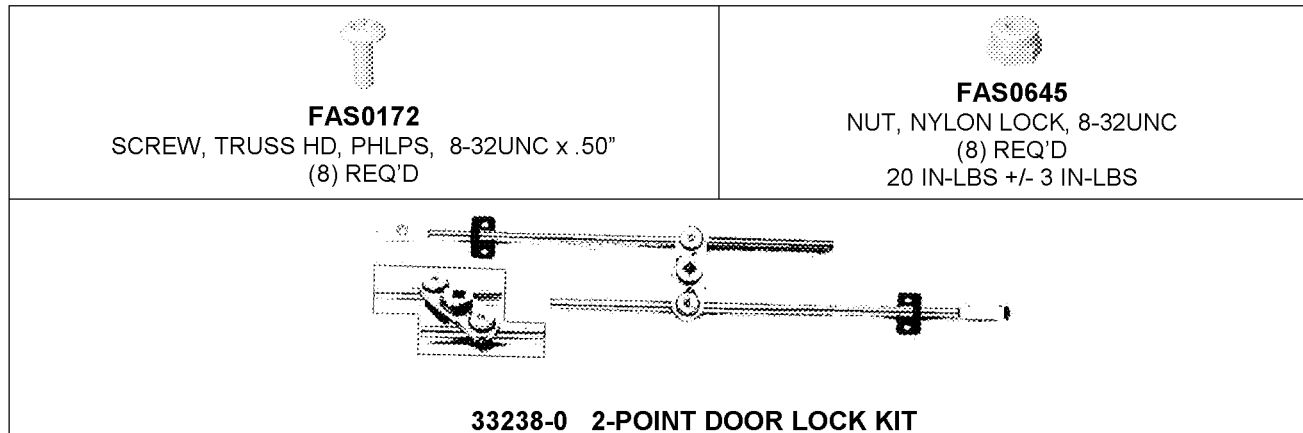
Position the LOCKING HANDLE into the RIGHT DOOR as shown in the lower right hand detail view shown below. Secure the LOCKING HANDLE in the right door panel with the fasteners listed; tighten to 32 in-lbs +/- 3" in-lbs.



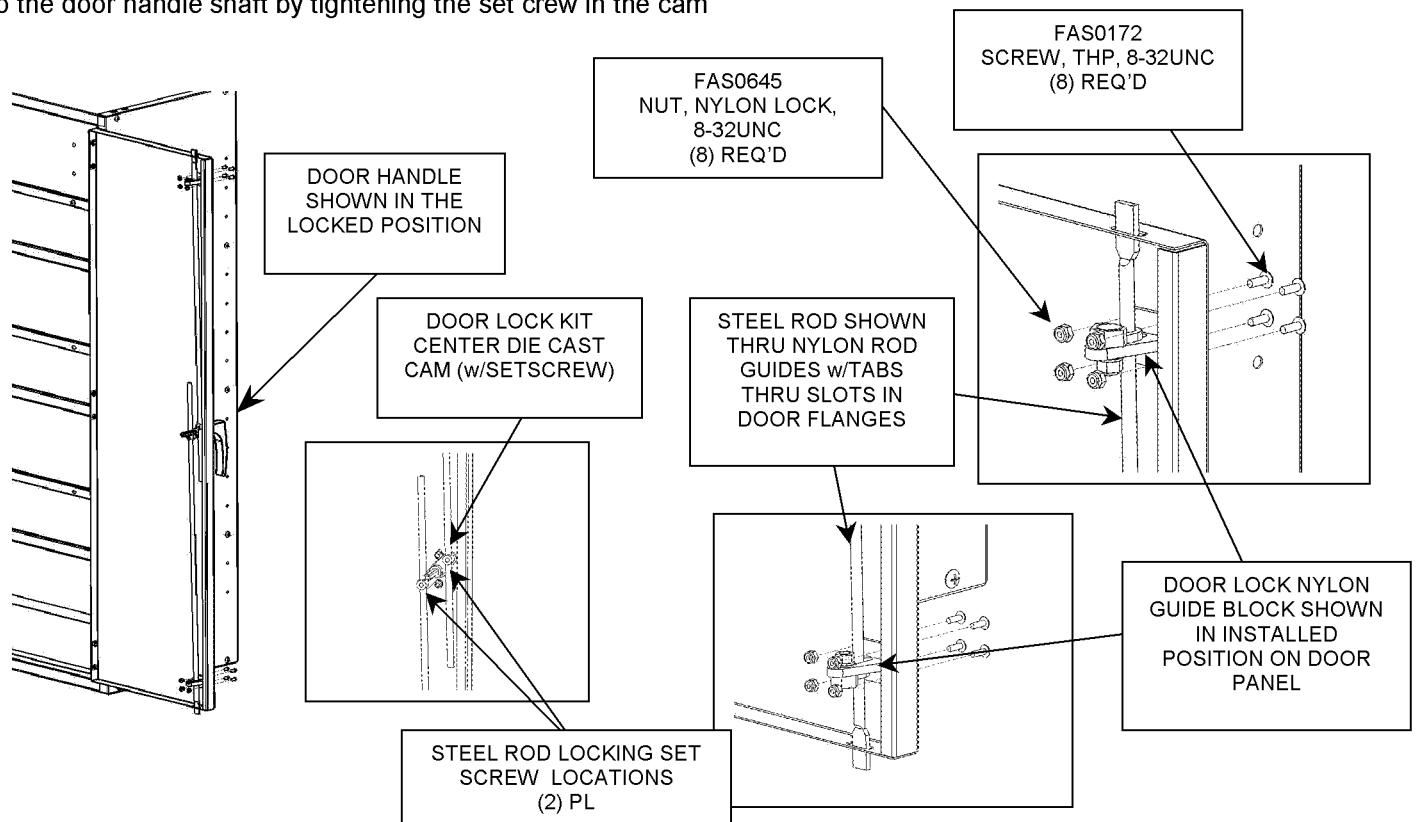
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UTILITY TRAILER LOCKER CABINET**STEP – 07****2-POINT DOOR LOCK KIT / RIGHT DOOR INSTALLATION**

Assemble the 2-POINT DOOR LOCK KIT prior to installing into the RIGHT DOOR panel. Place the Nylon rod guides on the steel rods prior to placing the rods into the center die cast cam. Do not tighten the center die cast cam set screws that hold the 36" long steel rods. Install the 2-POINT DOOR LOCK KIT center die cast cam by positioning the square hole in the cam over the square shaft of the door handle and sliding down until as shown in the center detail view below. Final positioning will be completed after the nylon guide blocks have been attached to the RIGHT DOOR panel. Secure the upper and lower NYLON GUIDE ROD GUIDES to the door panel with the fasteners listed. Install the locking tab on the end of both steel rods into the slots in the top and bottom flange of the door panel. Allow approximately 7/8 to 1.00" to extend beyond the top of the door flange, secure the steel rod position by tightening the (2) setscrews in the center die cast cam. Secure the die cast cam to the door handle shaft by tightening the set crew in the cam



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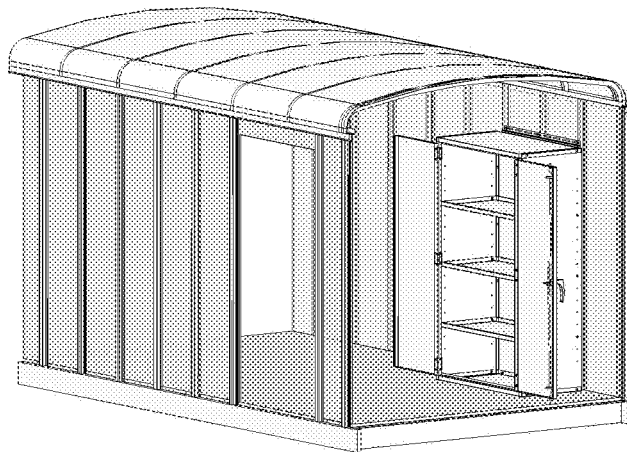
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UTILITY TRAILER LOCKER CABINET**STEP – 08****CABINET LOCKER UTILITY TRAILER INSTALLATION**

 FAS0628 PLUSNUT 1/4-20UNC (3) REQ'D	 FAS0060 WASHER, SPLIT LOCK, 1/4"ID (5) REQ'D	 FAS0080 SCREW, HEX HD, 1/4-20UNC X 2" ZN G8 (2) REQ'D 8 FT-LBS +/- 2 FT-LBS	 FAS0058 NUT, NYLON LOCK 1/4-20 (2) REQ'D	 FAS0067 WASHER, FLAT, 1/4" ID (5) REQ'D
 33239-0 MOUNTING PLATE, W/RIVNUT (2) REQ'D	 32298-0 Z-RAIL KIT INSTALLATION INSTRUCTIONS	 FAS0079 SCREW, HEX HD, 1/4-20UNC X 1.5" ZN G8 (3) REQ'D 8 FT-LBS +/- 2 FT-LBS	 21166-0 WASHER, 3/8 ECCENTRIC (2) REQ'D	 26618-0 SILICONE 1 OZ TUBE

Place assembled cabinet locker into utility trailer at desired location. Follow the general instructions found in 32298-0 for proper installation of the Z-Rail Bracket and securing the cabinet locker base in your utility trailer floor.



**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE
SURE THAT ALL FASTENERS ARE TIGHTENED TO
SPECIFICATIONS!**



**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE
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