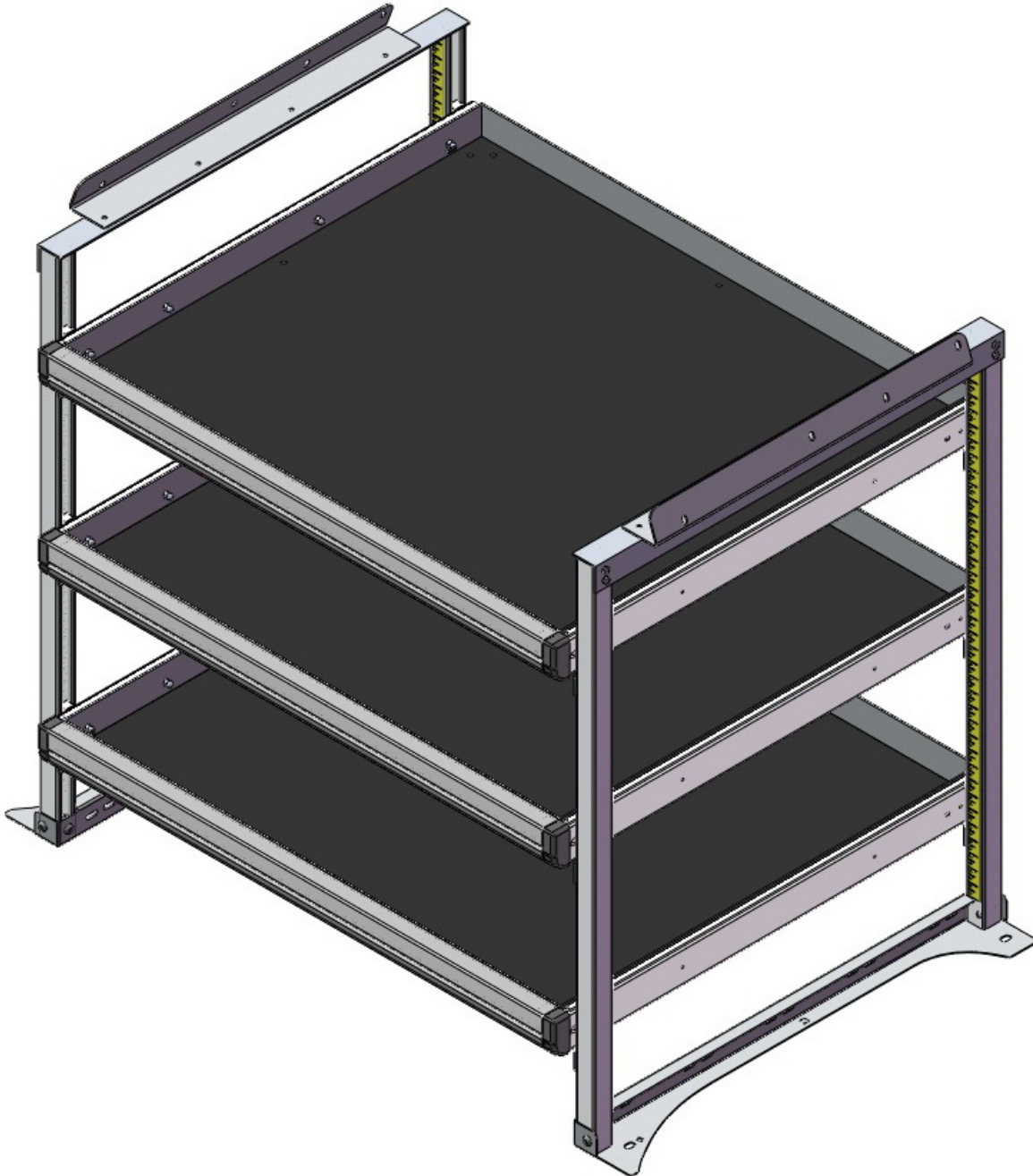


Ford Transit Connect

Assembly – Installation Instructions



BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED IN THE SPECIFIED ORDER TO ENSURE 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 ENVIRONMENT!



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 AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS COULD CAUSE FASTENER FAILURE!



THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THESE INSTRUCTIONS MAY VOID YOUR PRODUCT WARRANTY!



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



TOOL LIST



Safety glasses **MUST** be worn at all times!



Drill



5/16" & 3/8" Bits



1/2" Drill Stop



Ratchet Wrench



7/16", 1/2", 7/32" and 6mm
Allen Wrench Sockets
&
T45 TORX Bit with Misc.
Extensions



10" Drift Punch
(used in aligning bolt holes)



7/16" & 1/2"
Combination
End Wrenches






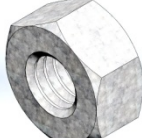

Rubber Mallet
and/or
Steel Hammer

RECOMMENDED:

- INCH-POUND TORQUE WRENCH
- PNEUMATIC PLUS NUT GUN

STEP – 1 Assemble Left/Right Side Frame Subassemblies

- If pre-assembled from manufacturer proceed to step 2

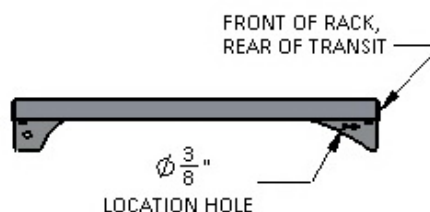
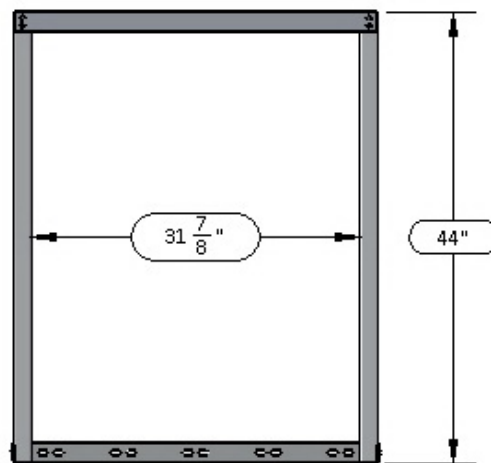
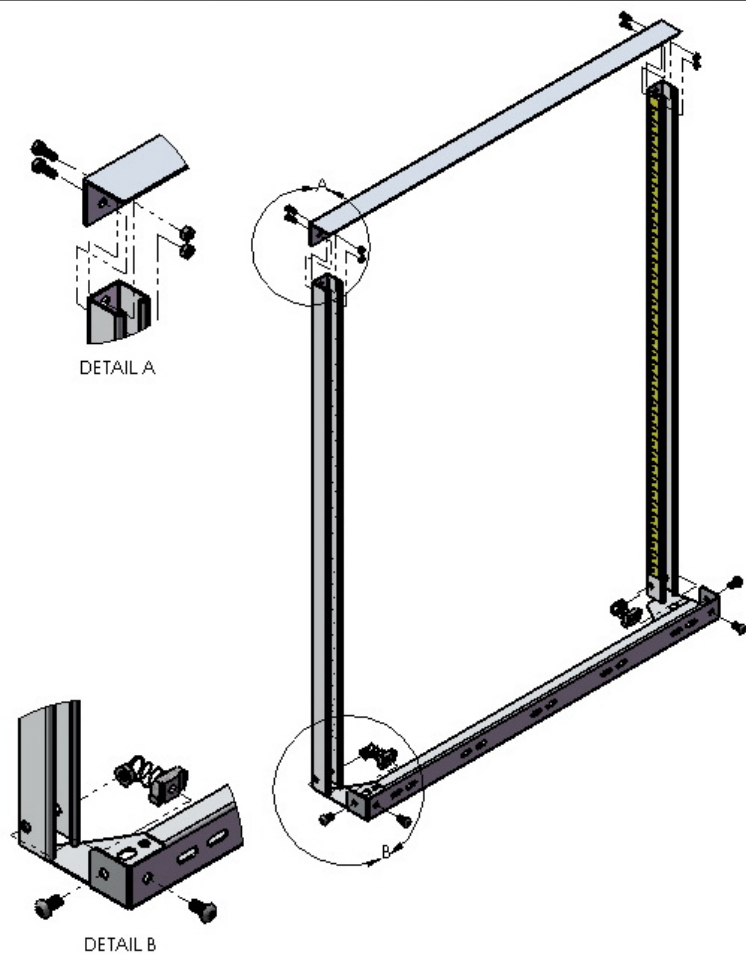
 <p>FAS 48603 STRUT NUT 3/8"-16 (QTY 4)</p>	 <p>FAS 37341 FLANGE LOCK NUT 3/8"-16 (QTY 4)</p>	 <p>FAS 10140022 TRUSS BOLT, TORX HEAD 3/8"-16 x 3/4" (QTY 8)</p>	 <p>FAS 1137018 NUT, NYLOCK 1/4"-20 (QTY 8)</p>	 <p>FAS 1119903 FLANGE BOLT 1/4"-20 x 3/4" (QTY 8)</p>
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-Assemble Strut channel into formed street and curb side base plates using (1) strut nut, (1) flange nut, and (2) truss bolts per corner.

-Using provided 2"x 2" aluminum angle, align holes with the holes in the strut channel. Use (2) flange bolts and (2) nylock nuts, per strut channel to fasten securely.



NOTICE: Check that the frame is square during assembly!



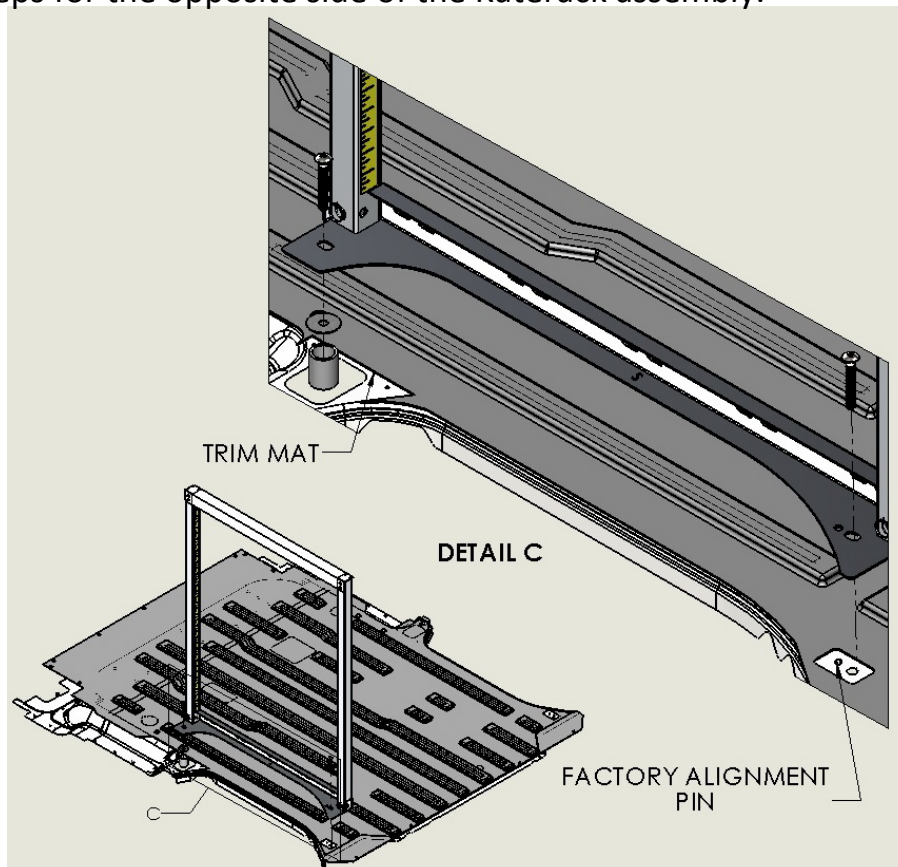
STEP – 2 Side Frame Subassemblies into Transit





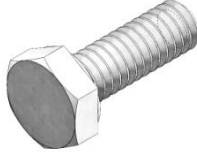

-Trim mat around depression in transit floor just to the rear of the sliding door and remove rear D-ring bolt (save bolt).

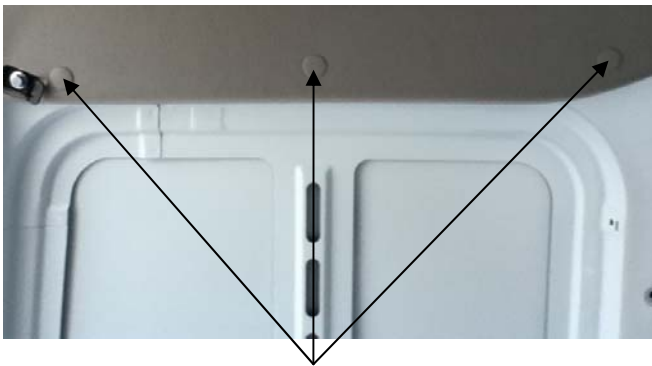
-Using the supplied hardware, place support tube and washer under the side frame assembly into the depression on the transit as shown. Use factory alignment pin to locate the side frame assembly. Reuse D-ring bolt to secure the base plate at this alignment pin location and the supplied cap screw to securely fasten the Katerack side frame at the opposite end.

-Repeat above steps for the opposite side of the Katerack assembly.

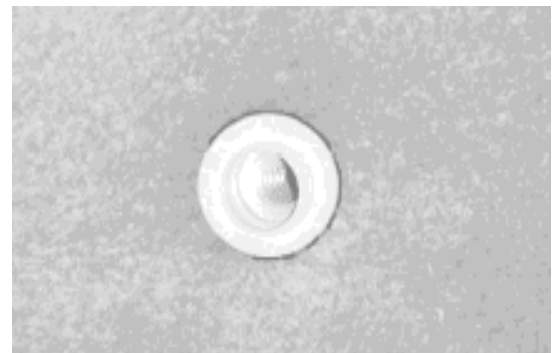


STEP 3A – Install Upper Mounting Bracket to Side Frames

 <p><u>FAS 12319-00491</u> PLUS NUT 1/4"-20 (QTY 8)</p>	 <p><u>FAS 13007</u> HEX BOLT 1/4"-20 x 1 1/4" (QTY)</p>	 <p><u>FAS 1129174</u> HEX HEAD BOLT 1/4" x 20 x 3/4" (QTY 8)</p>	 <p><u>FAS 1137018</u> NUT, NYLOCK 1/4"-20 (QTY 8)</p>
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1. Remove fasteners to locate mounting holes. (Remove strap if necessary.)

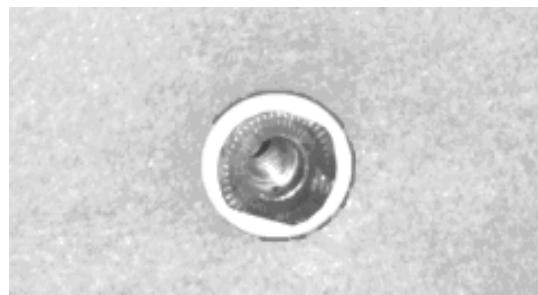


2. Using a utility knife, trim liner to expose metal. A 1" hole cutter or hole saw is preferred.

- Three of the four holes in the mounting bracket line up with the locations of the previously removed fasteners. Using the mounting bracket as a drilling guide drill a 3/8" diameter hole into the Transit's headliner for a fourth plus nut.



Before continuing on with installation, refer to the next page for proper installation of the plus nuts!

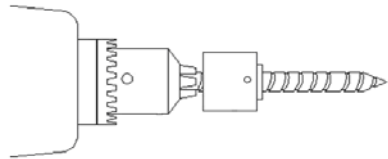


3. Use plus nut gun to install plus nut or next page for plus nut installation instructions.

STEP – 3B Install Plus Nuts for Upper Mounting Bracket (two methods)

BEFORE DRILLING

Check all mounting locations to prevent penetration of:
gas lines, gas tanks, break lines, wiring or any other structure
of the vehicle



USE DRILL STOP TO PREVENT DAMAGE TO VEHICLE

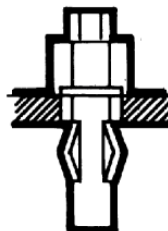
FIRST METHOD: MANUAL



1) The plus nut is pre-bulbed for easy installation.



2) The plus nut is pre-assembled with hex cap and hex bolt. Then it is inserted into a pre-drilled hole.

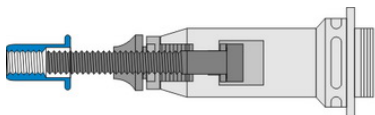


3) As the bolt is tightened, the plus nut upsets and provides outstanding blind fastening holding power.

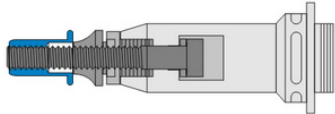


4) Fully upset plus nut provides a reliable nut plate for fastening.

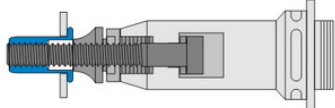
SECOND METHOD: AUTOMATIC (REQUIRES PNEUMATIC PLUS NUT GUN)



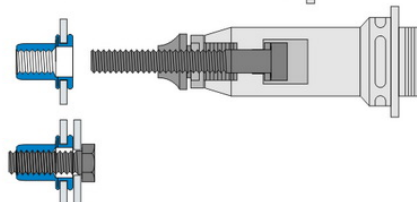
1. Thread plus nut onto plus nut gun.



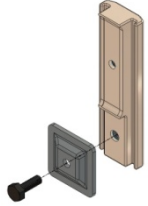



2. Insert plus nut into hole. Engage plus nut gun to upset plus nut.



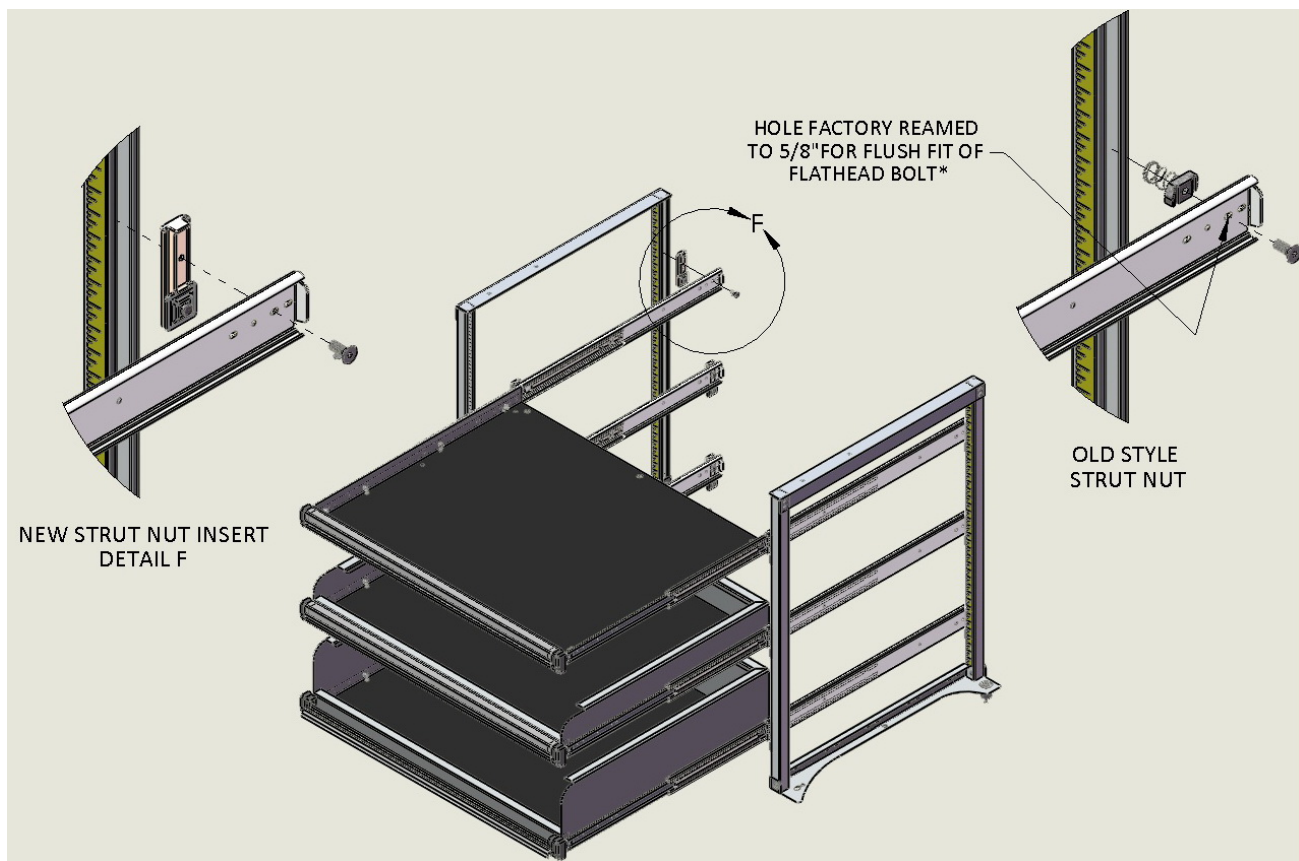
3. When plus nut is fully upset and expanded, remove plus nut gun.



STEP 4 – Drawer Installation

STRUT NUT INSERT HARDWARE		STRUT NUT HARDWARE	
			
<u>AUST MBH-1179-A01</u> STRUT NUT INSERT (QTY 4)	<u>FAS 29055</u> PAN HEAD SCREW #10-32 x 5/8" (QTY 4)	<u>FAS 1124286</u> FLATHEAD BOLT 3/8-16 x 1" (QTY 4)	<u>FAS 48603</u> STRUT NUT 3/8"-16 (QTY 4)

*Quantity per drawer assembly.



NOTICE: The vertical adjustment of the shelves must be done with the assistance of a second person. Drawers should also be EMPTY to perform this operation.



STEP 4 – Drawer Installation continued...

STRUT NUT INSERT

- Insert the strut nut assembly into the strut channel and snug down 1/4"-20 hex bolts with supplied wrench. Align all (4) strut nut inserts vertically.
- Extend drawer fully to the lock out position. Once in position this will allow access to the predrilled holes in the slides. Using supplied #10-32 x 5/8" pan head screw securely attach slides to inserts (see detail).
- Close and place drawer at desired height. Finish tightening the 1/4"-20 hex bolts to 80 in-lbs.

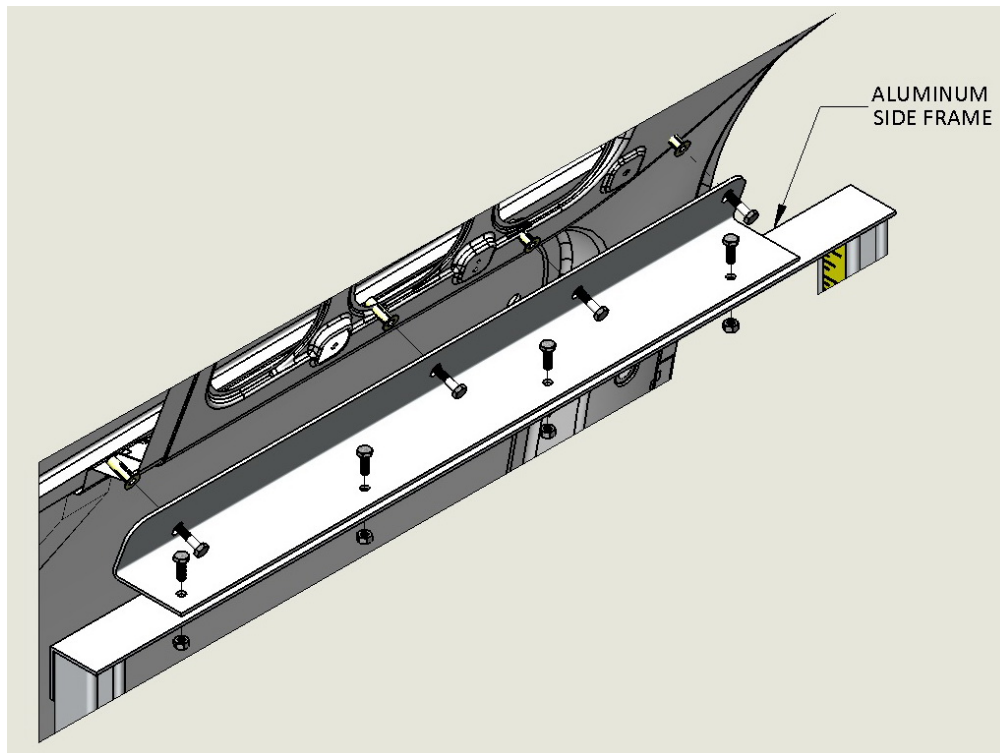
ADJUSTMENT OF INSERT

- Leaving drawer closed loosen all (4) 1/4"-20 hex bolts, moving drawer parallel to floor place at desired height and tighten bolts to 80 in-lbs.

STRUT NUT

- Insert strut nut into the strut channel (spring will hold it in place). Align all (4) strut nut inserts vertically.
 - Extend drawer fully to the lock out position. This position will allow access to the predrilled holes in the slides. Using supplied 1/4"-20 x 1" flathead bolt, tighten or leave loose for final vertical adjustment. Then tighten all (4) bolts.
- * If 5/8" hole is present you cannot upgrade to the new strut nut without replacing the drawer slides.

STEP 5 – Attach Mounting Bracket to Katerack Side Frame



- Firmly fasten the mounting bracket to the transit connect with the 1/4"-20 x 1 1/4" hex bolts into the previously installed plus nuts.
- Center the Katerack assembly with the transit connect.
- Using clamps, if necessary, square up the Katerack assembly.
- Use the mounting plate as a drill template and drill (4) 5/16" holes into the top of the side frame.
- Attach the mounting bracket to the side frame with the 1/4"-20 x 3/4" hex bolts.
- Test the drawers for proper function.

INSTALLATION COMPLETE

Bill of Material

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MRK 02B700	SUPPORT TUBE	2
2	FAS 1133221	3/8" FENDER WASHER	2
3	FAS 0154382	M10-1.5 60mm BTN HEAD, SOC. CAP	2
4	FAS 1129174	BOLT, HEX HEAD 1/4-20 x 3/4"	8
5	FAS 1137018	1/4-20 NYLOCK	16
6	FAS 12319-00491	PLUS NUT 1/4-20	8
7	FAS 13007	BOLT, HEX 1/4-20 x 1 1/4"	8
8	PRO 001IM150I	MEASURE TAPE PAPER	4
9	DTC 0213-001	TOP BRACE, ROADISDE	1
10	FAS 48603	STRUT NUT, 3/8"-16 TALL SPRING (FRAME)	4
	FAS 48603	STRUT NUT, 3/8"-16 TALL SPRING(PER DRAWER)	4
11	FAS 10140022	3/8-16 x 3/4" TRUSS HEAD TORX BOLT	8
12	FAS 1119903	1/4-20 x 3/4" FLANGE BOLT	8
13	FAS 37341	3/8-16 FLANGE LOCK NUT	4
14	ALM 502-2	ALUMINUM ANGLE 2 x 2 x .125	2
15	AUST TB9002	STRUT CHANNEL	4
16	AUST MBH-1179-A01	STRUT NUT INSERT	12
17	FAS 1124286	OLD VERSION: FLAT HEAD BOLT, 3/8"-16 x 1"	12
17a	FAS 29055	NEW VERSION: #10-32 x 5/8" MACHINE SCREW	12
18	DTC 0211-004	BASEPLATE, KATERACK, RS	1
19	DTC 0213-002	TOP BRACE, CURBSIDE	1
20	DTC 0211-003	BASEPLATE, KATERACK, CS	1
21	CRC 01-2100-001	3" DEEP DRAWER ASSY.	1
22	CRC 01-2200-001	6" DEEP DRAWER ASSY.	1
23	CRC 01-2300-001	10" DEEP DRAWER ASSY.	1

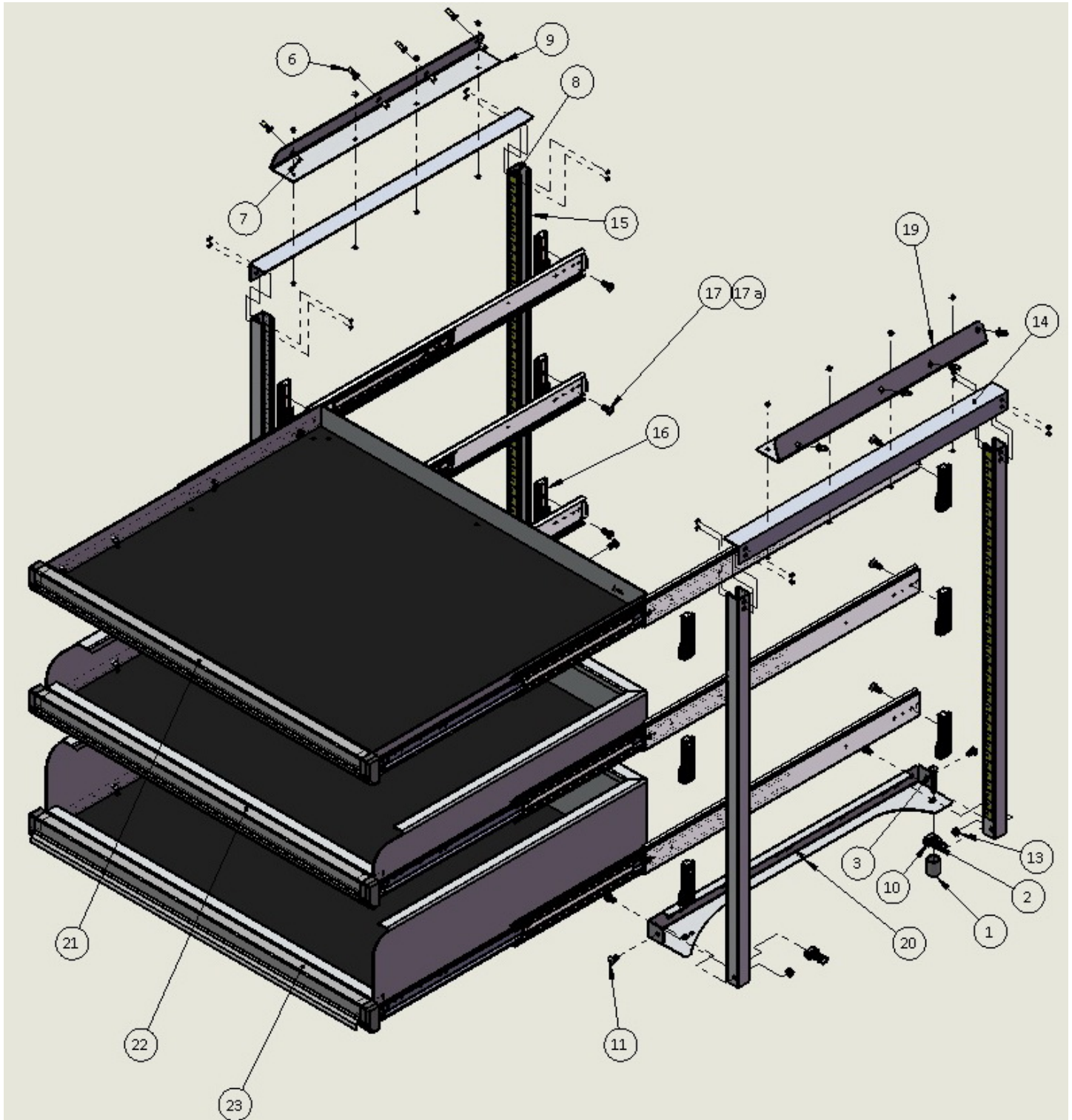
New Strut Nut Insert Hardware

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. PER DRAWER
1	AUST MBH-1179-A01	STRUT NUT INSERT	4
2	FAS 29055	#10-32 x 5/8" PAN HEAD SCREW	4

Old Strut Nut Hardware

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. PER DRAWER
1	FAS 1124286	3/8-16 x 1" FLATHEAD BOLT	4
2	FAS 48603	3/8-16 STRUT NUT	4

Exploded View
See Bill of Material on Previous Page



Katerack Inspection Dimensions

