WARNING:
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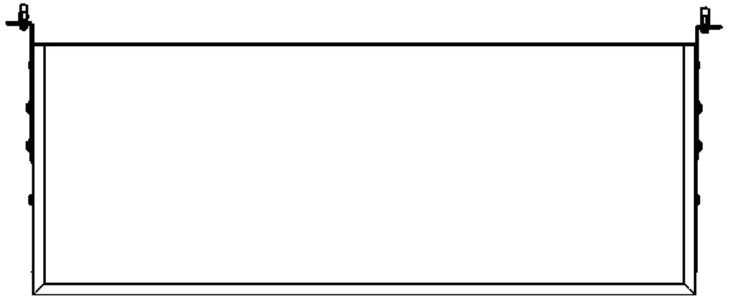
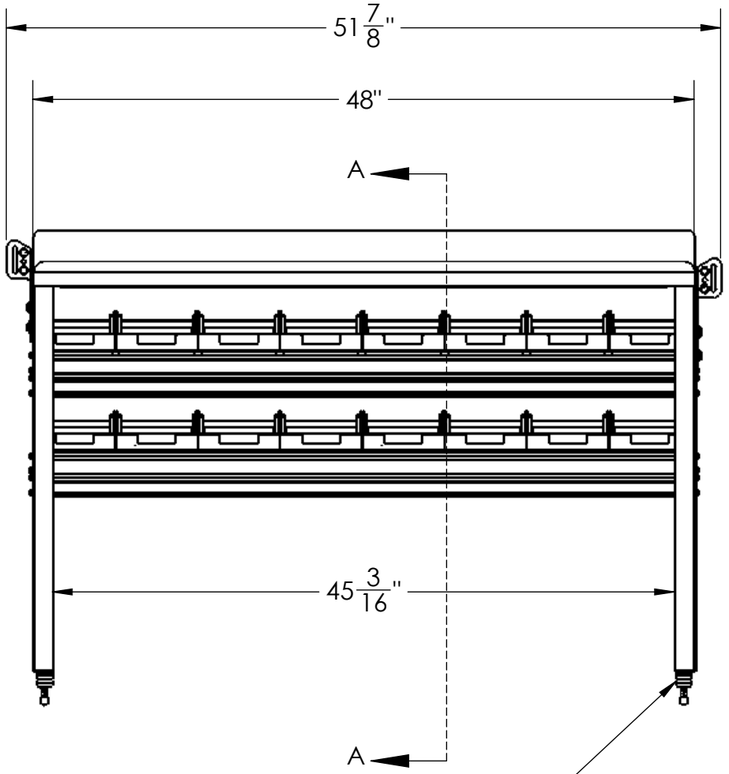
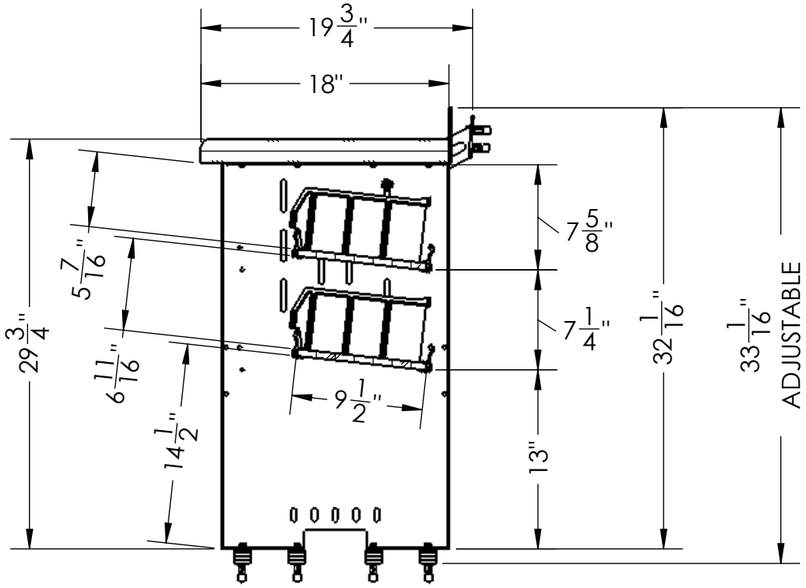
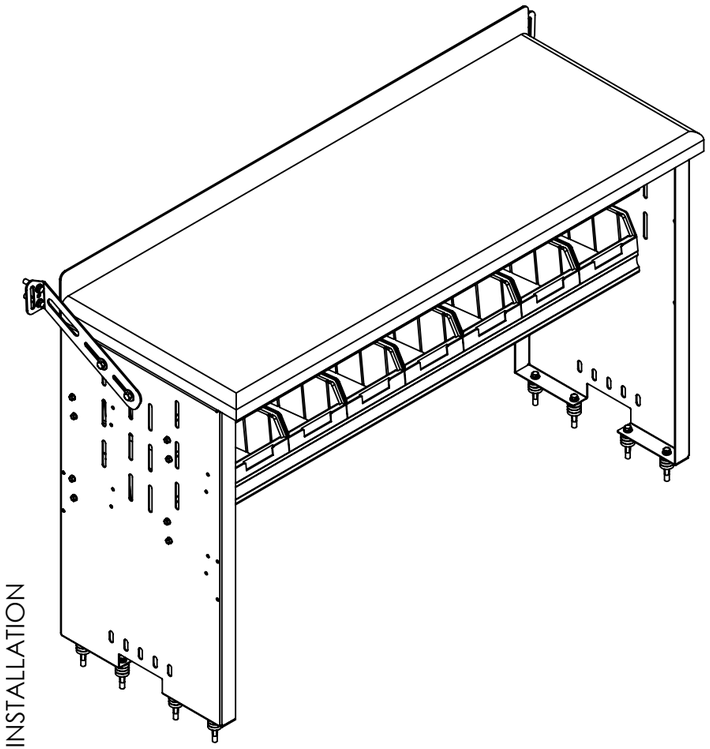




NOTE: USE SPACERS AS NEEDED AT INSTALLATION



SECTION A-A



ZONE	REV	DESCRIPTION	DATE (MM-DD-YYYY)	BY
	B	BOM UPDATED- ECN 1818	07-03-2014	CA

REVISIONS

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		MM-DD-YYYY
DESIGNED BY:	FG	10-06-2011
DRAWN BY:	CA	07-03-2014
VERIFIED BY:	AP	07-04-2014
APPROVED BY:	AP	07-04-2014

MATERIAL:

FINISH:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHS

GENERAL TOLERANCES
FRACTIONAL: ±1/32
DECIMAL: 0.000 = ±0.005
0.00 = ±0.01
0.0 = ±0.05
ANGULAR: ±0.1°
HOLE DIAMETER: ±0.005

BENDING TOLERANCES
BEND: ±0.010
ANGULAR: ±0.5°
HEM: ±0.015

THIRD ANGLE PROJECTION

RANGER DESIGN
Ranger Design inc.
19160 Cruickshank,
Baie d'Urfé,Québec,
Canada H9X 3P1

TITLE: WORKBENCH

SIZE	DWG. NO.	REV
B	7248	B

E.W.:	SCALE: 1:11	SHEET 1 OF 3

WARNING:
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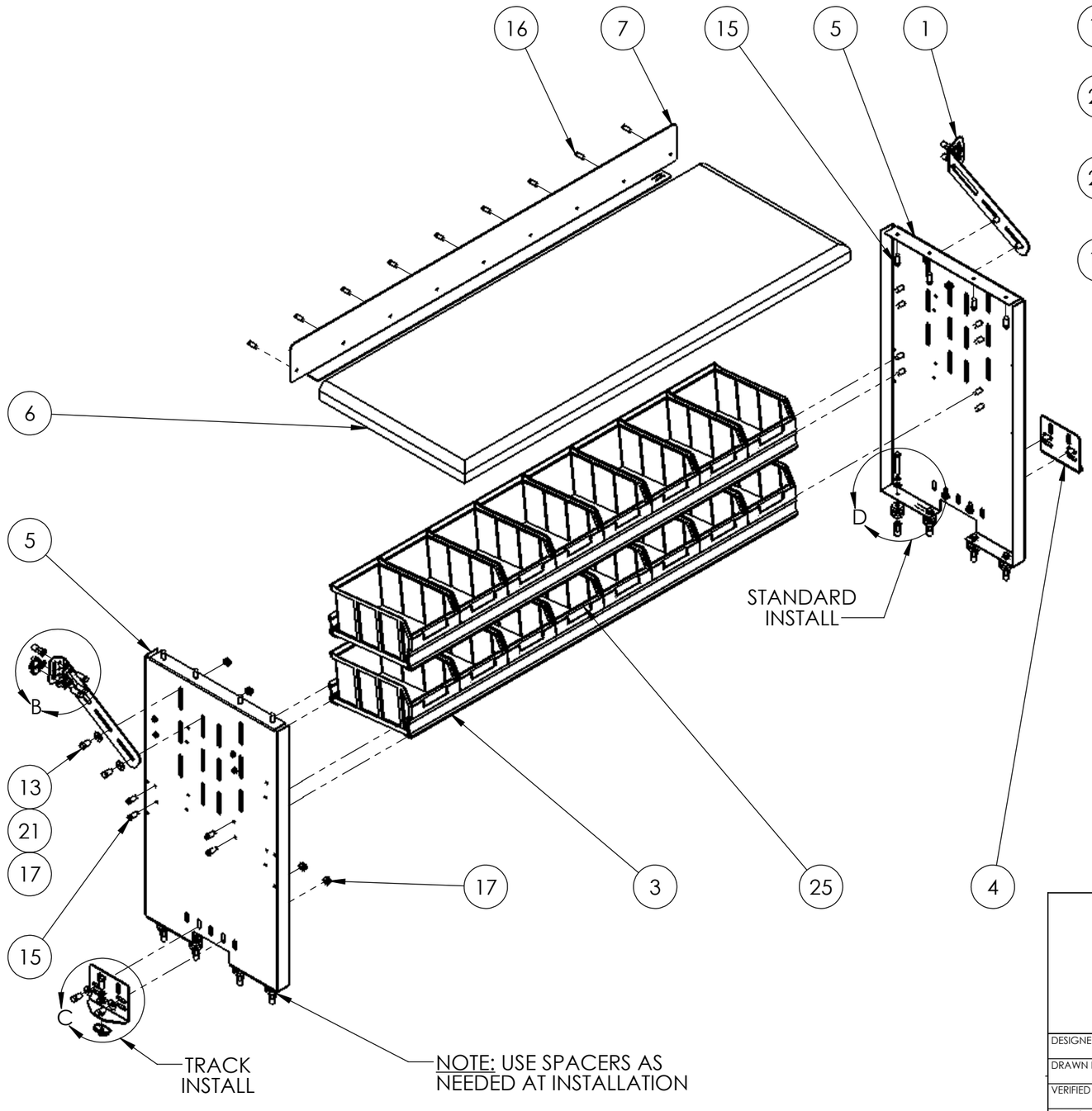
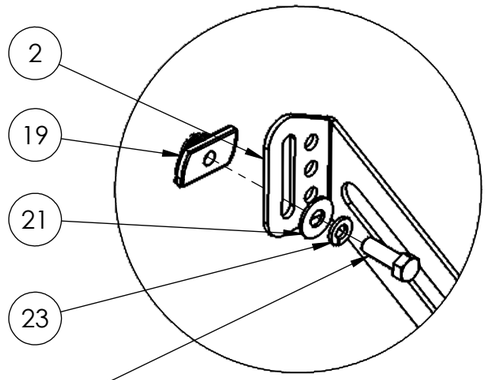
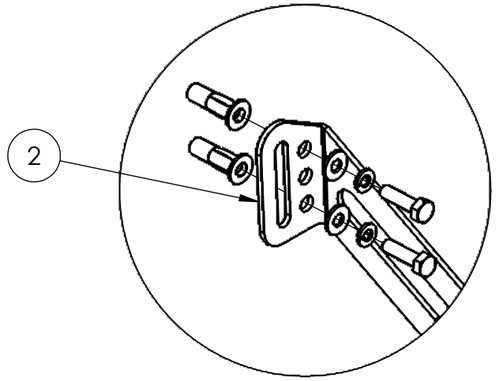
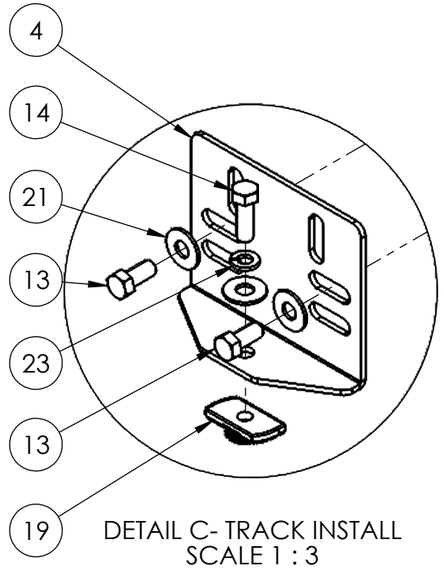




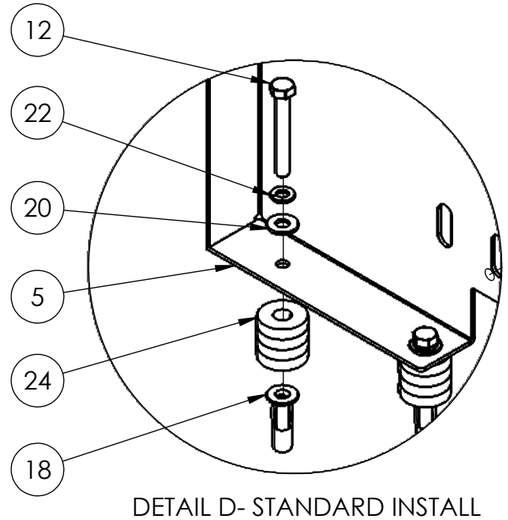
DETAIL B- TRACK INSTALL
SCALE 1 : 3



DETAIL B- STANDARD INSTALL
SCALE 1 : 3



DETAIL C- TRACK INSTALL
SCALE 1 : 3



DETAIL D- STANDARD INSTALL
SCALE 1 : 3

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HOLE DIAMETER: ±0.005	

THIRD ANGLE PROJECTION

RANGER DESIGN
Ranger Design inc.
19160 Cruickshank,
Baie d'Urfé,Québec,
Canada H9X 3P1

TITLE: WORKBENCH

SIZE	DWG. NO.	REV
B	7248 Workbench	B
E.W.:	SCALE: 1:11	SHEET 2 OF 3

ITEM NO.	NUMBER	DESCRIPTION	QTY.
1	40-442	BRACKET - ANGLED "L", LEFT	1
2	40-443	BRACKET - ANGLED "L", RIGHT	1
3	59-9.375x48	BIN SHELF TRAY	2
4	70-610	INSTALL TRACK ATTACHMENT BRACKET	2
5	70-805	UNIVERSAL WORKBENCH END PANEL	2
6	70-810	WORK TOP	1
7	70-811	PANEL	1
8	79-043	BOX, CARDBOARD (64" Cube), sleeve w/ caps, 17 1/2" x 8 1/4" x 64"	1
9	79-914	RANGER PROLINE BUBBLE STICKER	1
10	79-940	Carton label, 8.5x11, Proline	1
11	90-114	BOLT HEX HEAD 1/4"-20 X 1" GR-5 ZINC	4
12	90-130	BOLT HEX HEAD 1/4"-20 X 2" FULL THREAD GR-5 ZINC	8
13	90-204	BOLT HEX HEAD 5/16"-18 X 3/4" GR-5 ZINC	8
14	90-208	BOLT HEX HEAD 5/16"-18 X 1" GR-5 ZINC	4
15	92-102	HEX WASHER HEAD TAPPING SCREW, 0.250 X 1 ZINC	38
16	92-140	SCREW FL-HD SQ-DR TYPE A #10 X 1" ZINC	9
17	94-116	5/16"-18 SERRATED FLANGE NUT, ZINC	8
18	94-130	PLUS NUT .250	12
19	94-150	CHANNEL NUT 5/16-18	4
20	98-106	WASHER FLAT 1/4" SAE ZINC	12
21	98-116	WASHER FLAT 5/16" USS ZINC	12
22	98-118	WASHER LOCK SPRING REGULAR 1/4" ZINC	12
23	98-122	WASHER LOCK SPRING REGULAR 5/16" ZINC	4
24	98-157	SPACER 0.375" ID X 1.0" OD X 0.25" LONG, NYLON	32
25	6221	MEDIUM BIN	16

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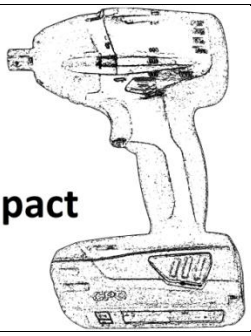
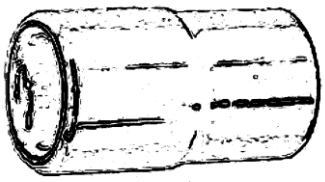
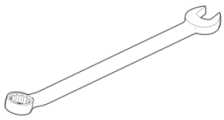
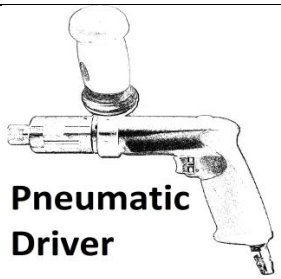
THIRD ANGLE PROJECTION

RANGER DESIGN
Ranger Design inc.
19160 Cruickshank,
Baie d'Urfé,Québec,
Canada H9X 3P1

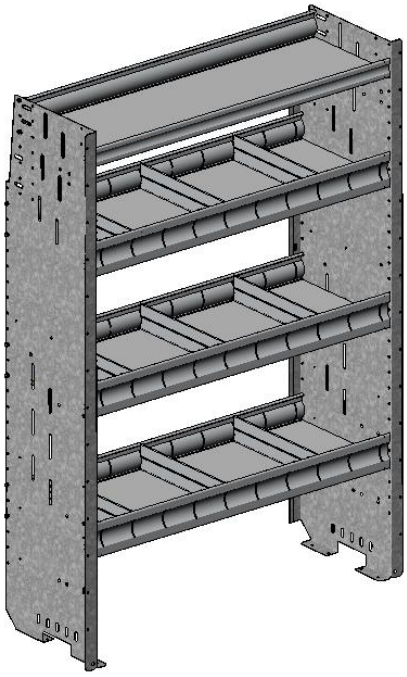
TITLE: WORKBENCH

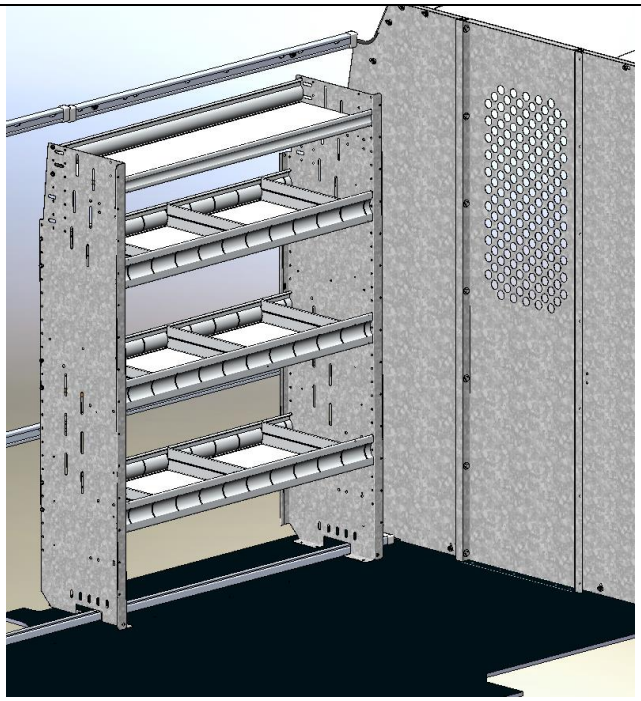
SIZE	DWG. NO.	REV
B	7248	B

E.W.: | SCALE: 1:11 | SHEET 3 OF 3

Required Installation Tools	
 Impact	 1/2" Socket
 1/2" Wrench	 Pneumatic Driver
3/8 Nut Driver	

Installed View	A.

Step #1 Assemble unit as shown in Drawing	 B.

Step #2	
Place unit in vehicle with bottom notch over track.	C.

Step #3	
Bolt each Lower Bracket to the Unit using two 5/16 bolts with flat washers and flange nuts and to the Floor Track using one 5/16 bolt with lock washer, flat washer and spring nut.	D.

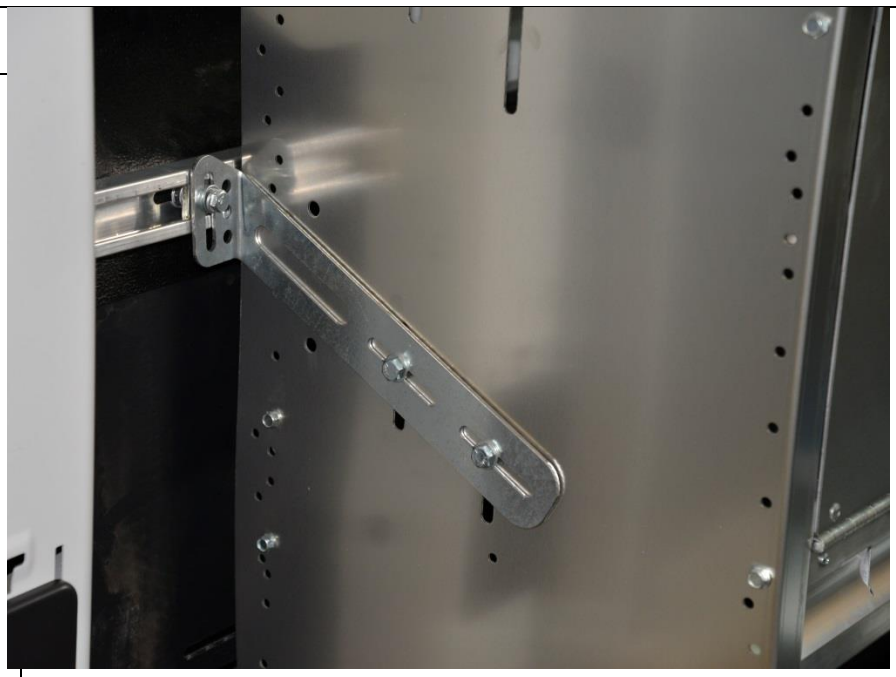
Step #4

Bolt each Upper Bracket to the Unit using two 5/16 bolts with flat washers and flange nuts and to the Wall Track using one 5/16 bolt with lock washer, flat washer and spring nut.

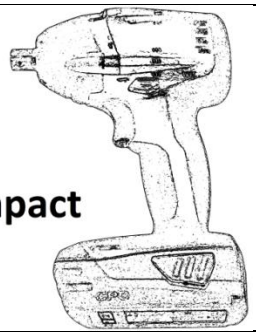
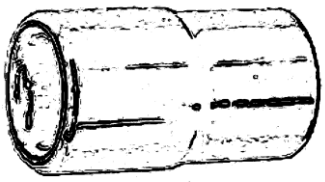
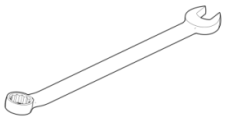
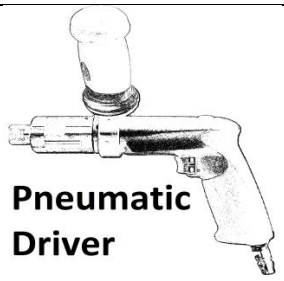
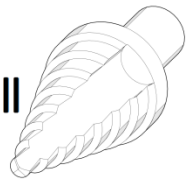
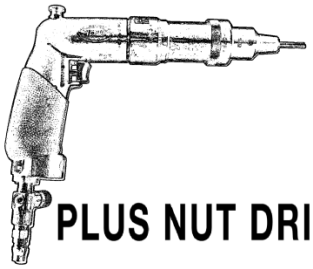
E.

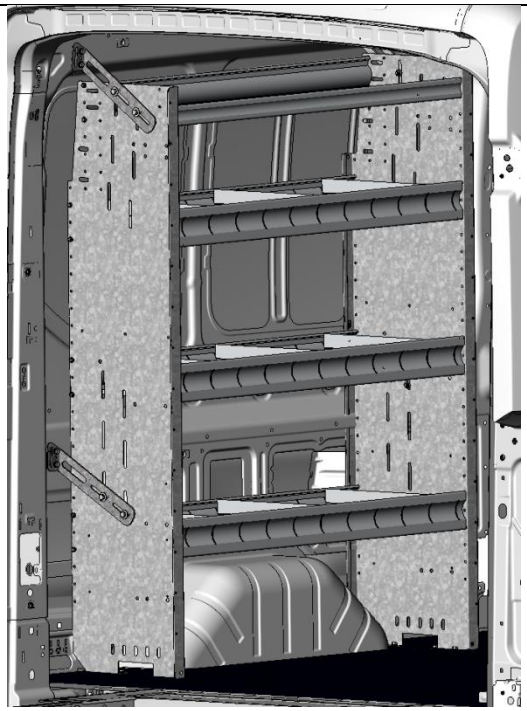
Step #5

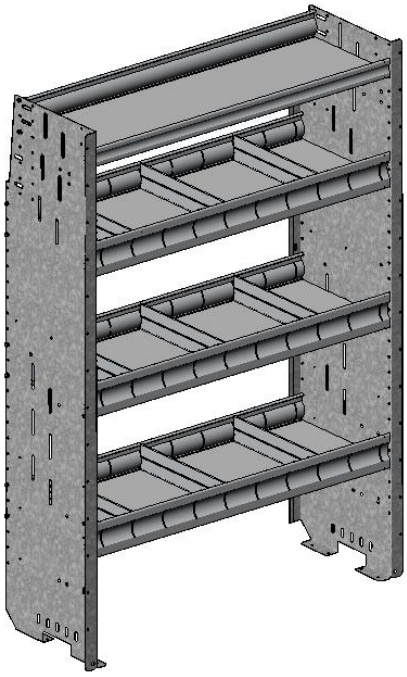
For vehicles with a mid position mounting track bolt additional Bracket to the Unit using two 5/16 bolts with flat washers and flange nuts and to the Wall Track using one 5/16 bolt with lock washer, flat washer and spring nut.

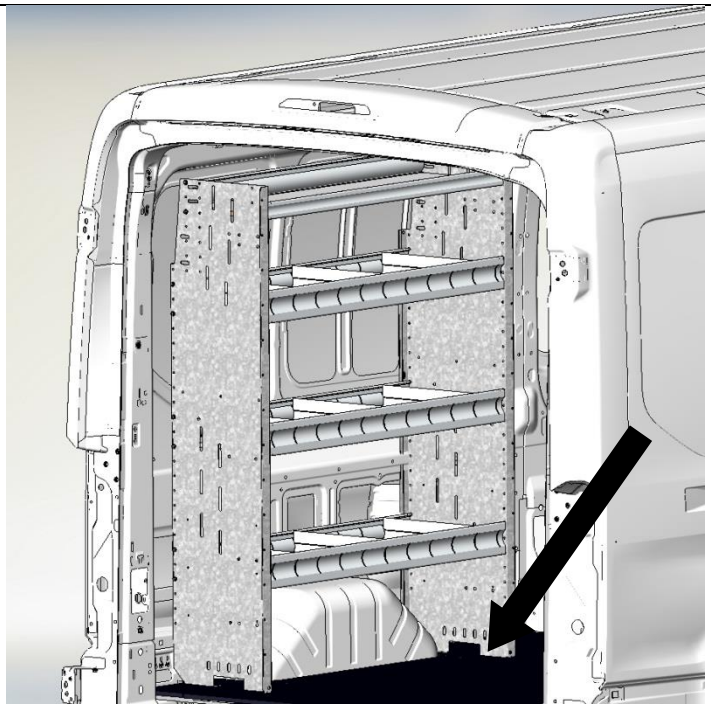


F.

Required Installation Tools	
Impact 	 1/2" Socket
 1/2" Wrench	Pneumatic Driver 
3/8 Nut Driver	Step Drill 
Cordless Drill	1 1/8” Hole Saw
 PLUS NUT DRIVER	

Installed View (F38-X shown)	 A.

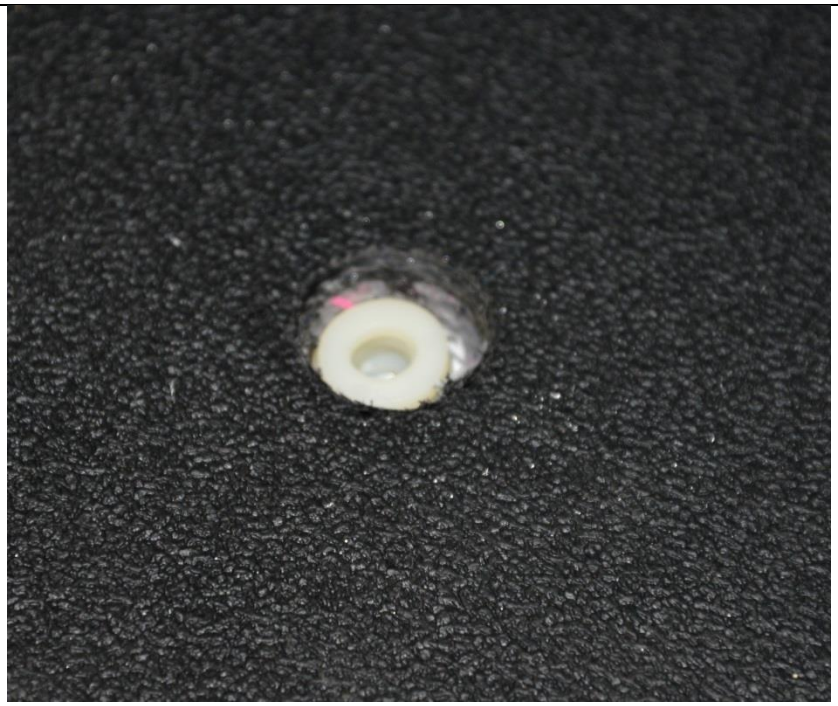
Step #1 Assemble unit as shown in Drawing	 B.

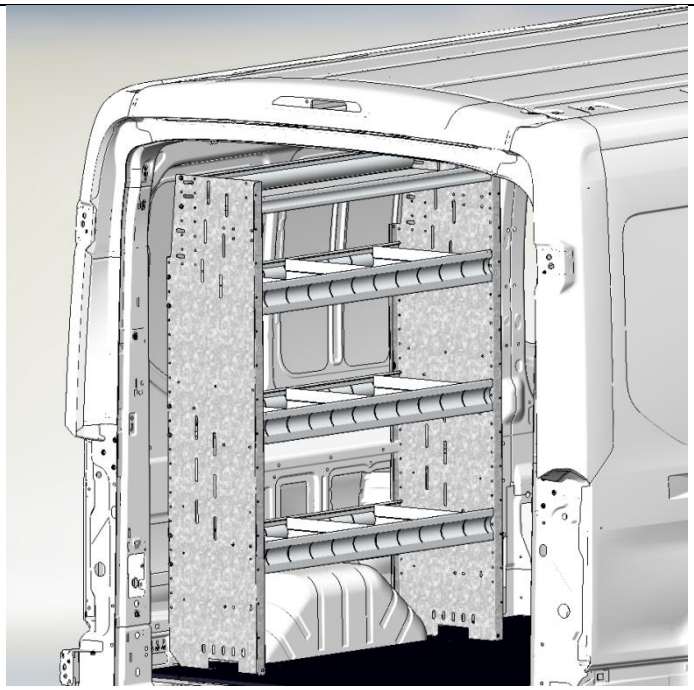
Step #2	
Place unit in vehicle in desired position and mark fastener locations on floor. (CAUTION: check for clearance under vehicle before Drilling)	 C.

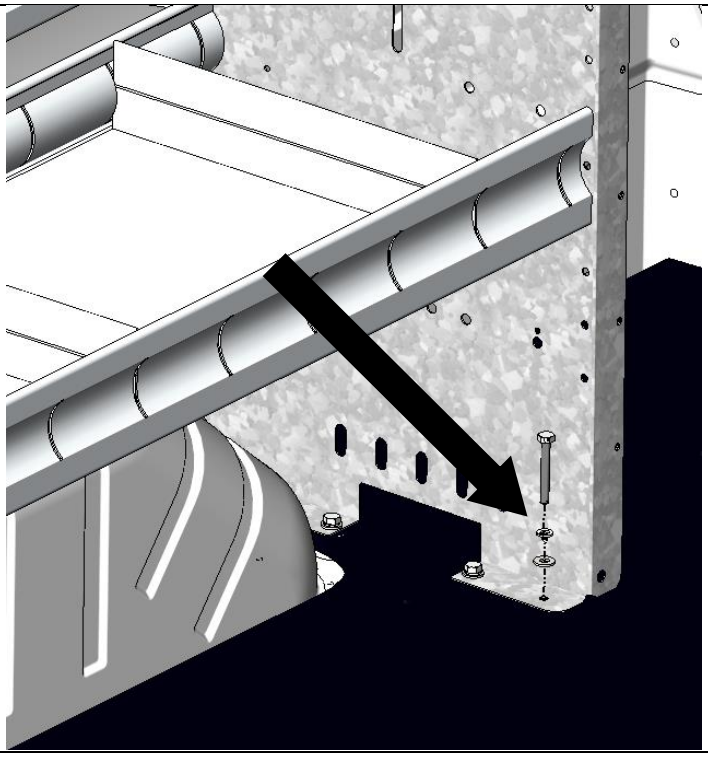
Step #3	
Use a 1 1/8 hole saw to cut through the Rubber mat or other floor covering at each location. Drill through the sheet metal with the pilot bit only. (Use caution to avoid damaging the sheet metal at the outer edges of the hole)	D.

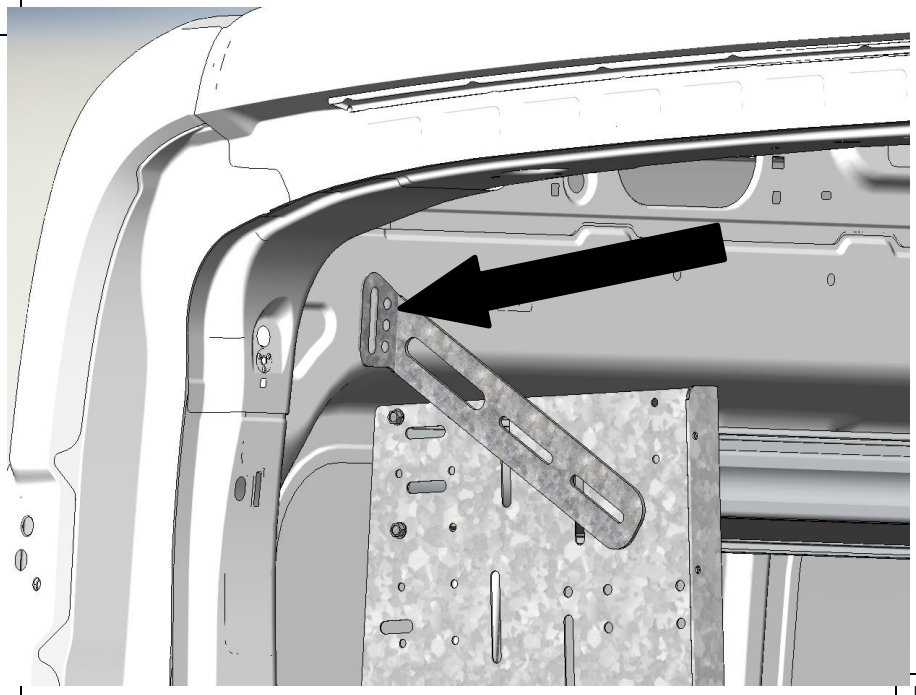
Step #4	
Use a step drill to enlarge the holes in the sheet metal to 3/8”.	E.

Step #5	
Install Plusnuts	F.

Step #6	
Use spacers as necessary to fill hole in flooring	 G.

Step #7	
Locate unit over holes in floor	 H.

Step #8	
Bolt unit to the floor with 1/4 -20 x 2” bolts with lock washers and flat washers	 I.

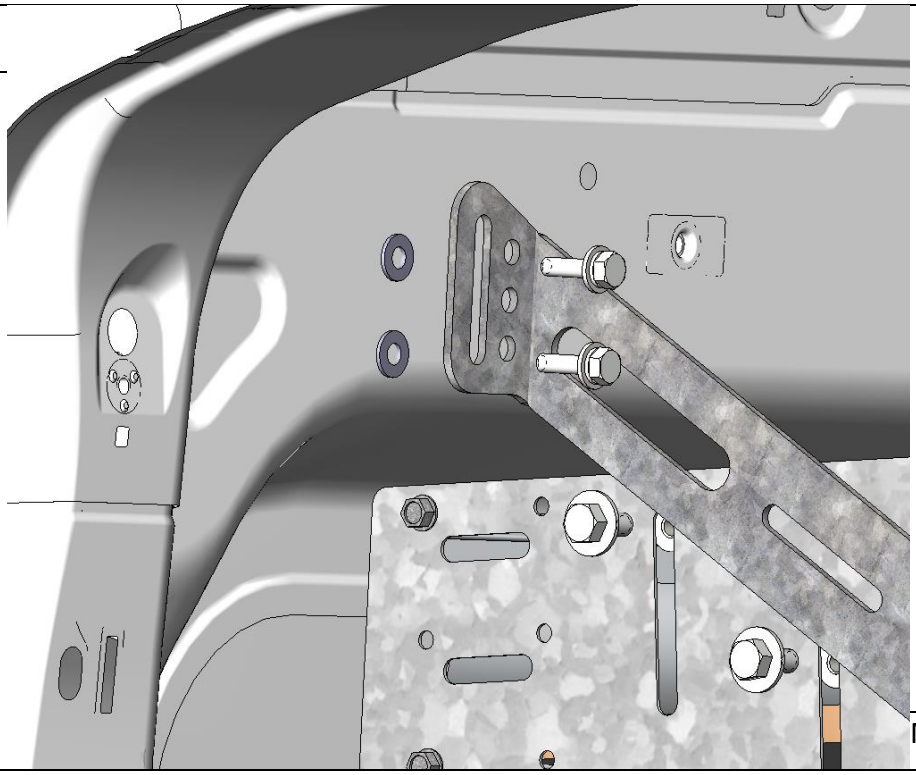
Step #9	
Hold bracket in place and marker upper hole locations	 J.

Step #10	
Drill 3/8” dia. holes	K.

Step #11	
Install Plusnuts	L.

Step #12

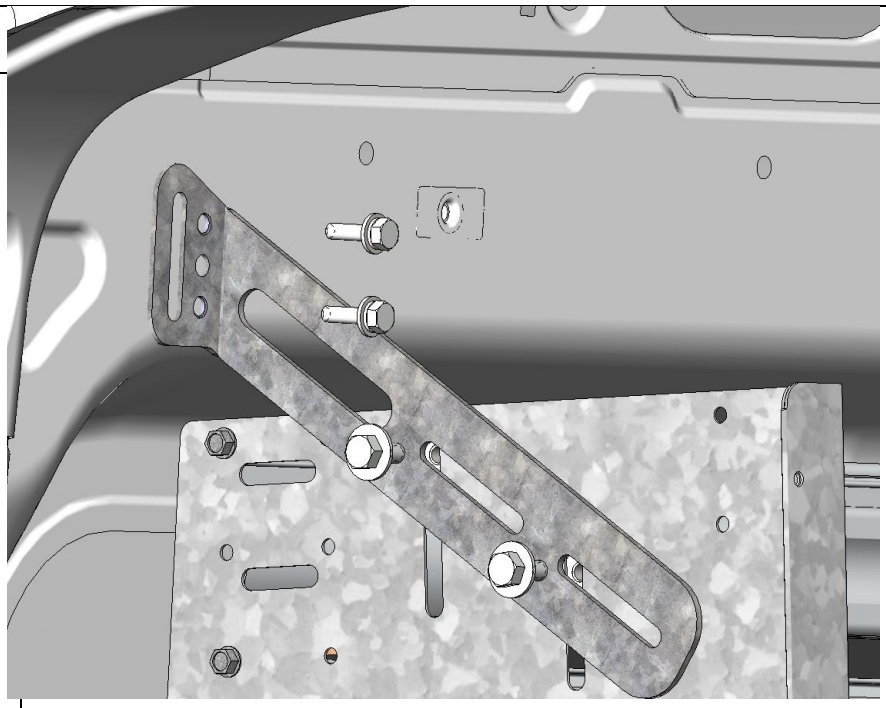
Bolt Bracket to the Unit using two 5/16 bolts with flat washers and flange nuts and to the plusnuts using two 1/4" bolts with lock washer and flat washer.



M.

Step #13

Repeat steps 9 through 11 for each additional bracket.



N.