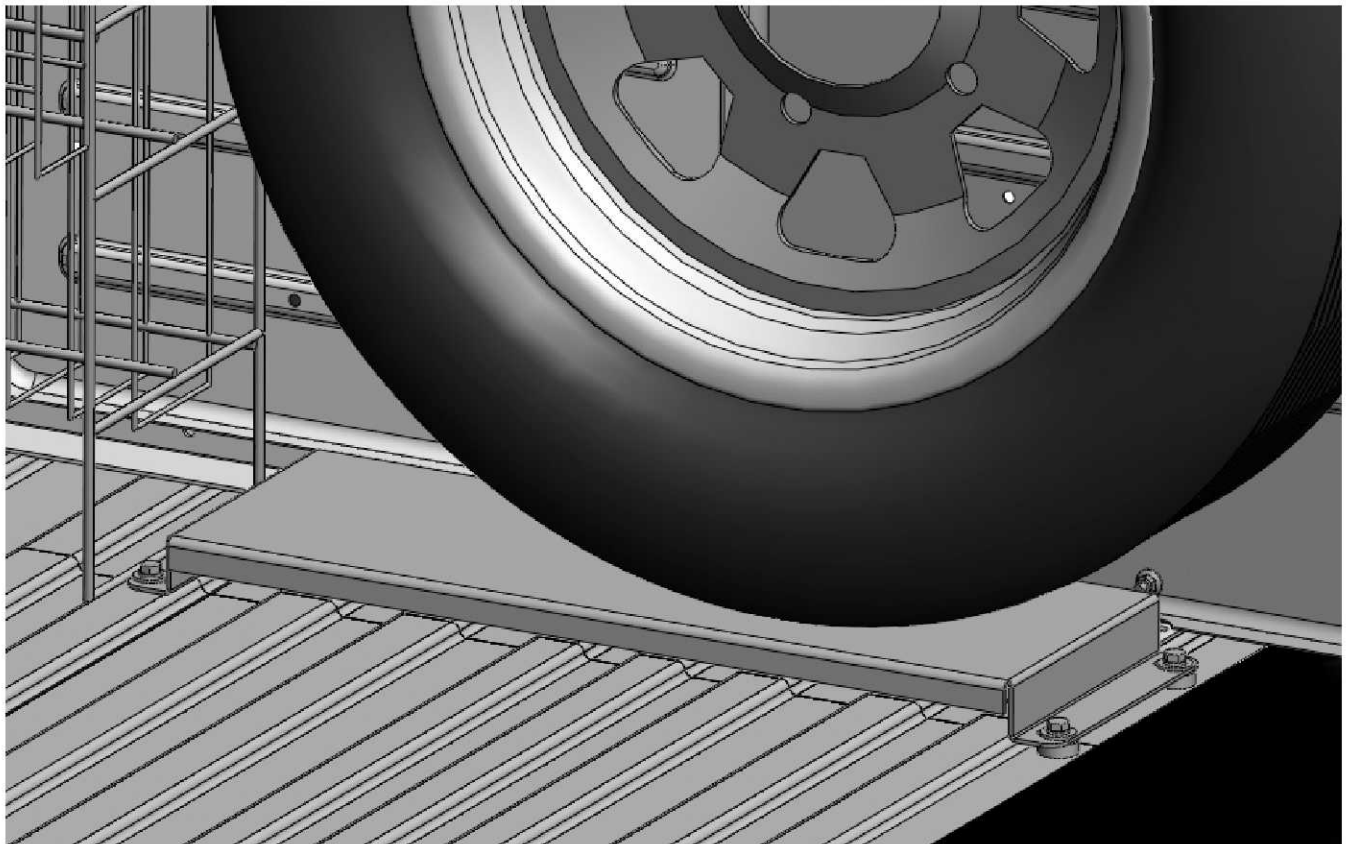


Introduction / Comments:

This is a storage bracket designed to raise the spare tire off the vehicle floor so you can store a two wheel hand cart with up to a 22" wide blade .

Note:

It is advised that all fasteners used in this assembly and installation should be checked for tightness at the following intervals: @ 2-weeks and again @ 6-weeks of operation. This preventive maintenance step must be completed to ensure your Product gives you long service life.



HCSB824—HAND CART STORAGE BRACKET GM FSV CNG

- PRECAUTIONS -



 **CAUTION** 
**THE USE OF AIR IMPACT TOOLS CAN
OVER-TORQUE FASTENERS AND
CAUSE FASTENER FAILURE!**



 **CAUTION** 
**ALL INSTALLATION HOLES SHOULD BE SEALED
WITH SILICON OR BUTYL SEALANT TO PREVENT
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



 **DANGER** 
**INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH
VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO
DRILLING TO AVOID DAMAGING CRITICAL VEHICLE SYSTEMS
OR INJURY TO INSTALLER DURING INSTALLATION PROCESS!**



 **CAUTION** 
**TO AVOID DAMAGING THE VEHICLE ALWAYS
USE DRILL STOPS WHEN DRILLING ANY IN-
STALLATION HOLES!**



- IMPORTANT WARRANTY REQUIREMENTS -

1. SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
2. ALL HOLES DRILLED INTO VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE.
3. ALL FASTENERS USED IN THE INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE TORQUE(S) SPECIFIED IN THESE INSTRUCTIONS.
4. THESE INSTRUCTIONS SHOULD BE KEPT WITH THE VEHICLE.

THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH
STOP



RATCHET, SOCKETS
AND/OR WRENCHES



SCREWDRIVERS



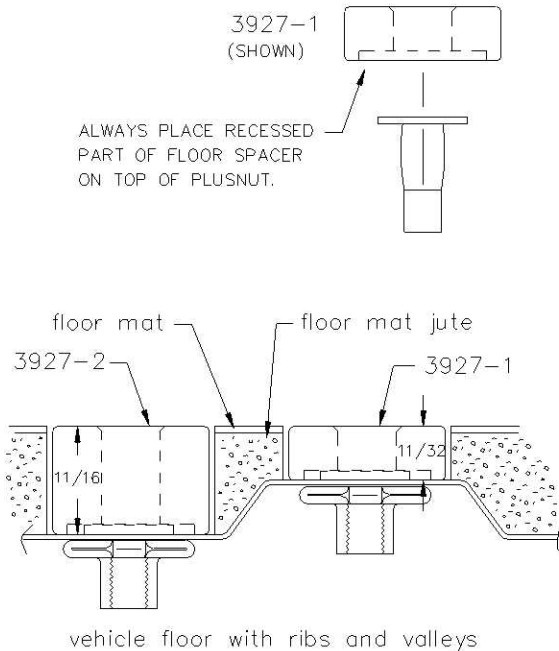
MEASURING TAPE

ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting location. Position the product to be installed into the vehicle and once you are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter (P/N: 31183-0). Select the appropriate floor spacers as shown in the illustration. Set those aside for use later into the installation process. Using the correct drill bit size for the selected plusnut, drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.

If you are thru-bolting at any of the locations simply drill a hole that is 1/16" larger than the bolt size(s) for those locations.

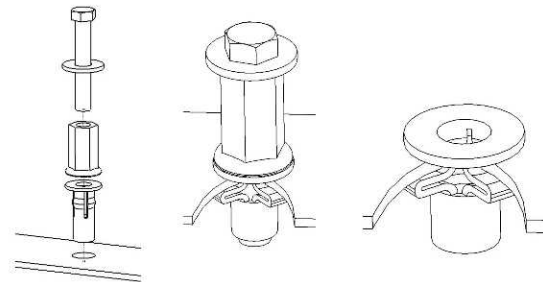
Once you have drilled the holes into the vehicle, the raw metal edges should be sealed using a self-etching primer to resist corrosion and potential fastener point failure.



A PLUSNUT (RIVNUT) SETTING TOOL IS REQUIRED FOR PLUSNUT (RIVNUT) INSTALLATION AND IS SUPPLIED WITH THIS KIT. OR USE AN AIR POWERED PLUSNUT SETTING GUN.

1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop
FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8
FAS0067 WASHER, FLAT, 1/4"ID
22200-0 PLUSNUT TOOL

5/16-18UNC Plusnut (FAS0091) Use 1/2" dia. drill w/stop
FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8
FAS0086 WASHER, FLAT, 5/16"ID
22200-0 PLUSNUT TOOL

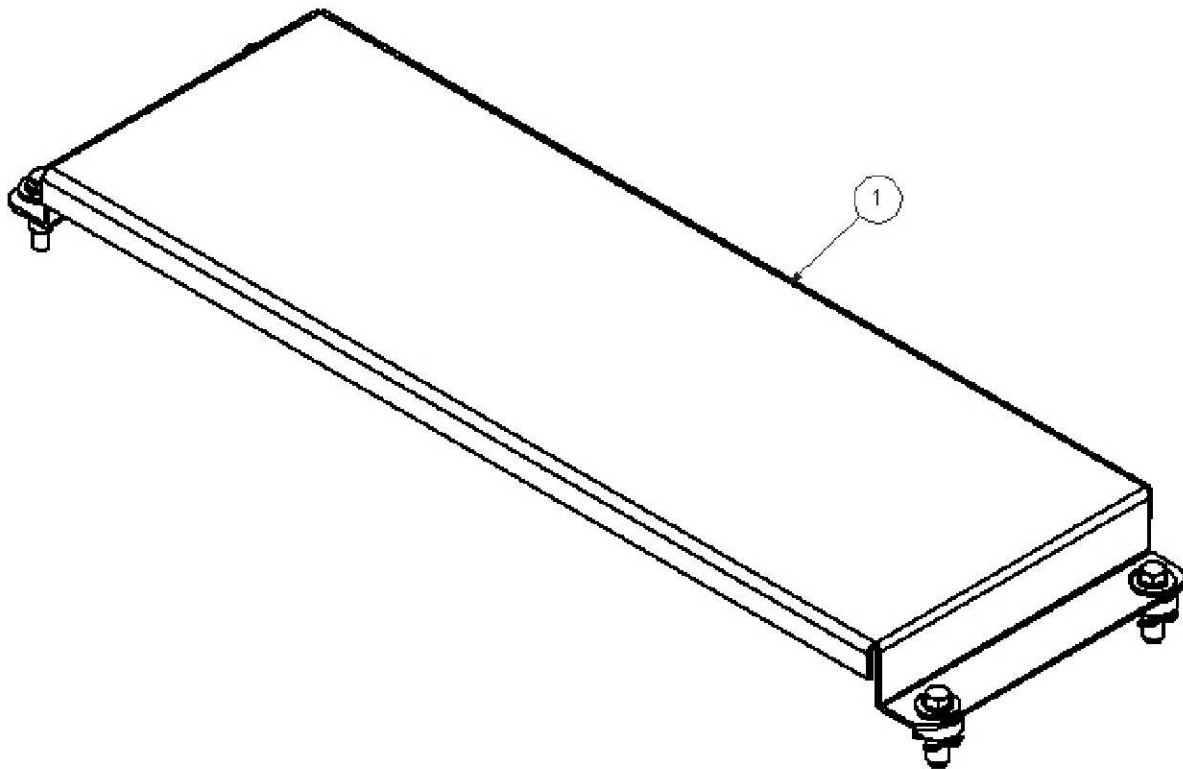


Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

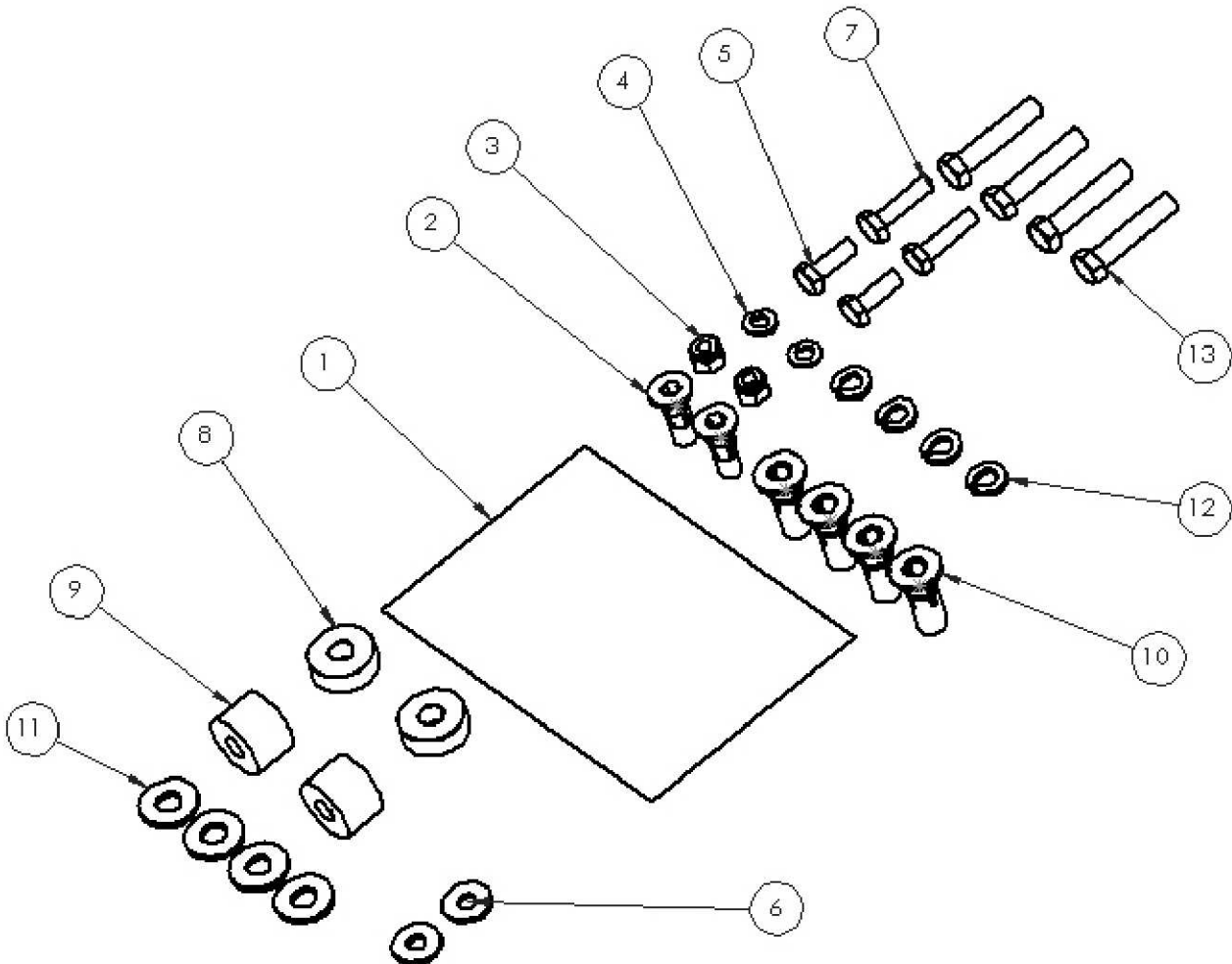
HCSB824 HAND CART STORAGE BRACKET, 8 X 24

ITEM NO.	PART NUMBER	DESCRIPTION	HCSB824/QTY.
1	45278-G	HAND CART STORAGE BRACKET	1
2	BAGINSTL-A	BAG FOR KD's INSTALL	1



BAGINSTL-A FASTENER BAG

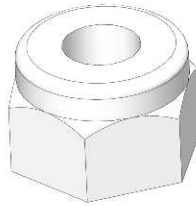
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BAG0406-A	4" X 6" 3MIL AUTOBAG	1
2	FAS 0052	Plusnut, 1/4	2
3	FAS0058	Nut, Nylon Insert Lock, 1/4-20	2
4	FAS0060rel	Washer, Lock, Split, 1/4	2
5	FAS0063	Screw, Hex Hd, 1/4-20x0.75 Zn Plate, Grade 5	2
6	FAS0067	Washer, Flat, 1/4	2
7	FAS0078	Screw, Hex Hd, 1/4-20x1.00 Zn Plate, Grade 8	2
8	Q3927-1	Floor Spacer Short	2
9	Q3927-2	Tall Floor Spacer	2
10	FAS 0091	Plusnut, 5/16	4
11	FAS0086	Washer, Flat, 5/16, ZN	4
12	FAS 0098	Washer, Lock, Split, 5/16, Zinc Plate	4
13	FAS0092	Screw, Hex Hd, 5/16-18x1.50 Zn Plate, G8	4



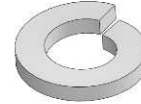
Individual Fastener Images & Descriptions



FAS0052
PLUSNUT, 1/4-20



FAS0058
NYLOCK NUT 1/4-20



FAS0060
WASHER, SPLIT, 1/4



FAS0063
SCREW, HEX HEAD
1/4-20 X 3/4" LG



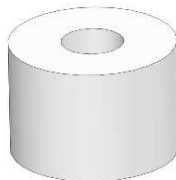
FAS0067
WASHER, FLAT, 1/4



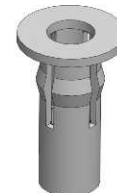
FAS0078
SCREW, HEX HEAD
1/4-20 X 1" LG



03927-1
FLOOR SPACER, SHORT



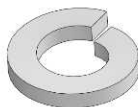
03927-2
FLOOR SPACER, TALL



FAS0091
PLUSNUT, 5/16-18



FAS0086
WASHER, FLAT, 5/16

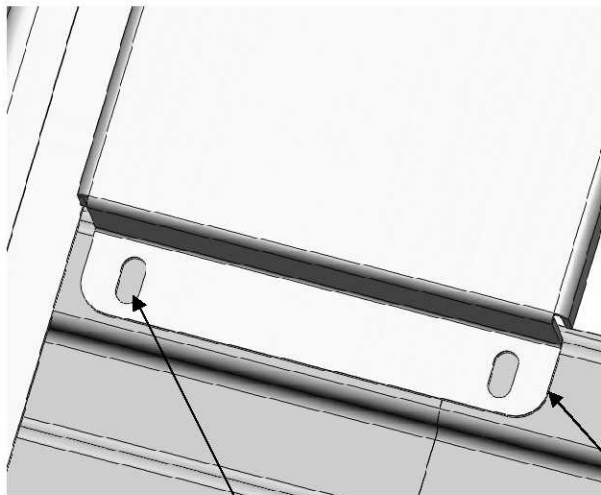
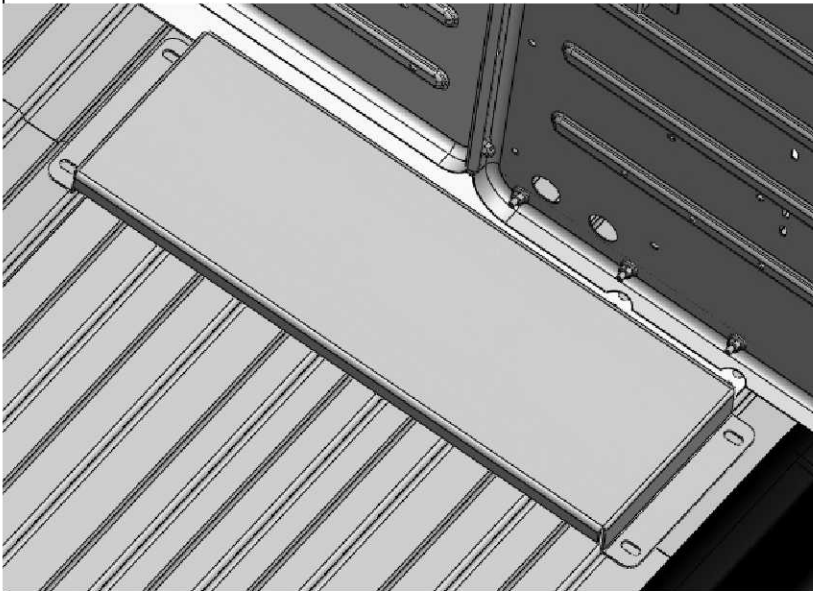


FAS0098
WASHER, SPLIT, 5/16



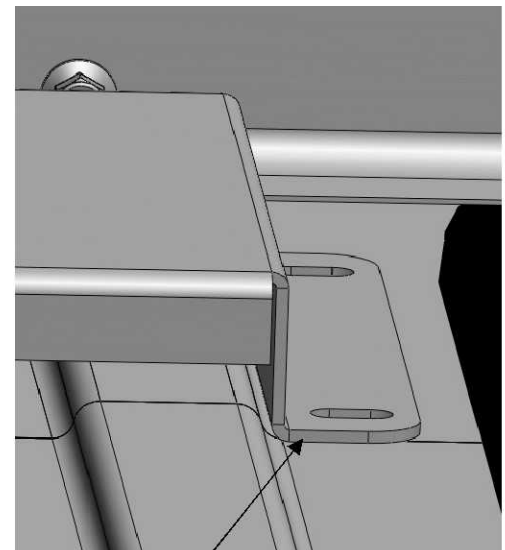
FAS0092
SCREW, HEX HEAD
5/16-18 X 1.5" LG

Step 01 Locate Hand cart storage bracket as shown, mark hole locations, drill and set four (4) 5/16 plusnuts



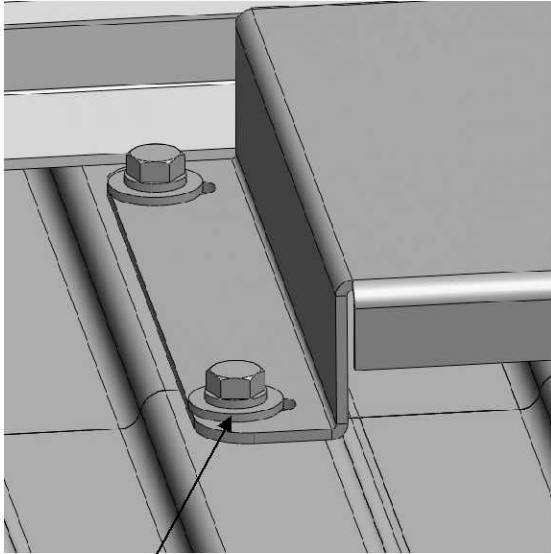
APPROXIMATELY 1/4" GAP
FROM ASCO PARTITION
FLOOR RAIL

CENTERED ON TALL OEM
FLOOR RIB

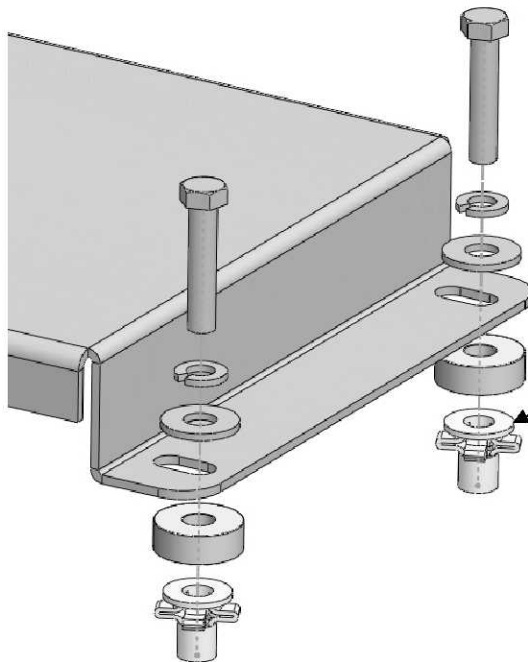
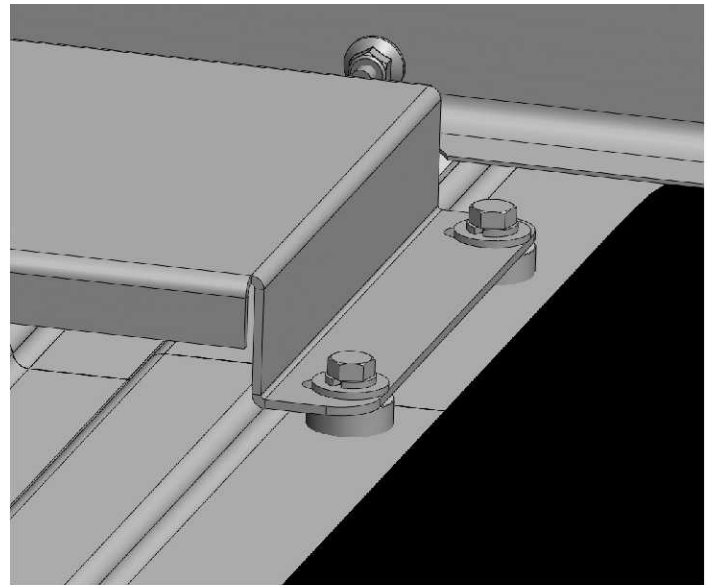


ON THE RECESSED OEM
FLOOR RIB

Step 02 Fasten Hand cart storage bracket to the vehicle

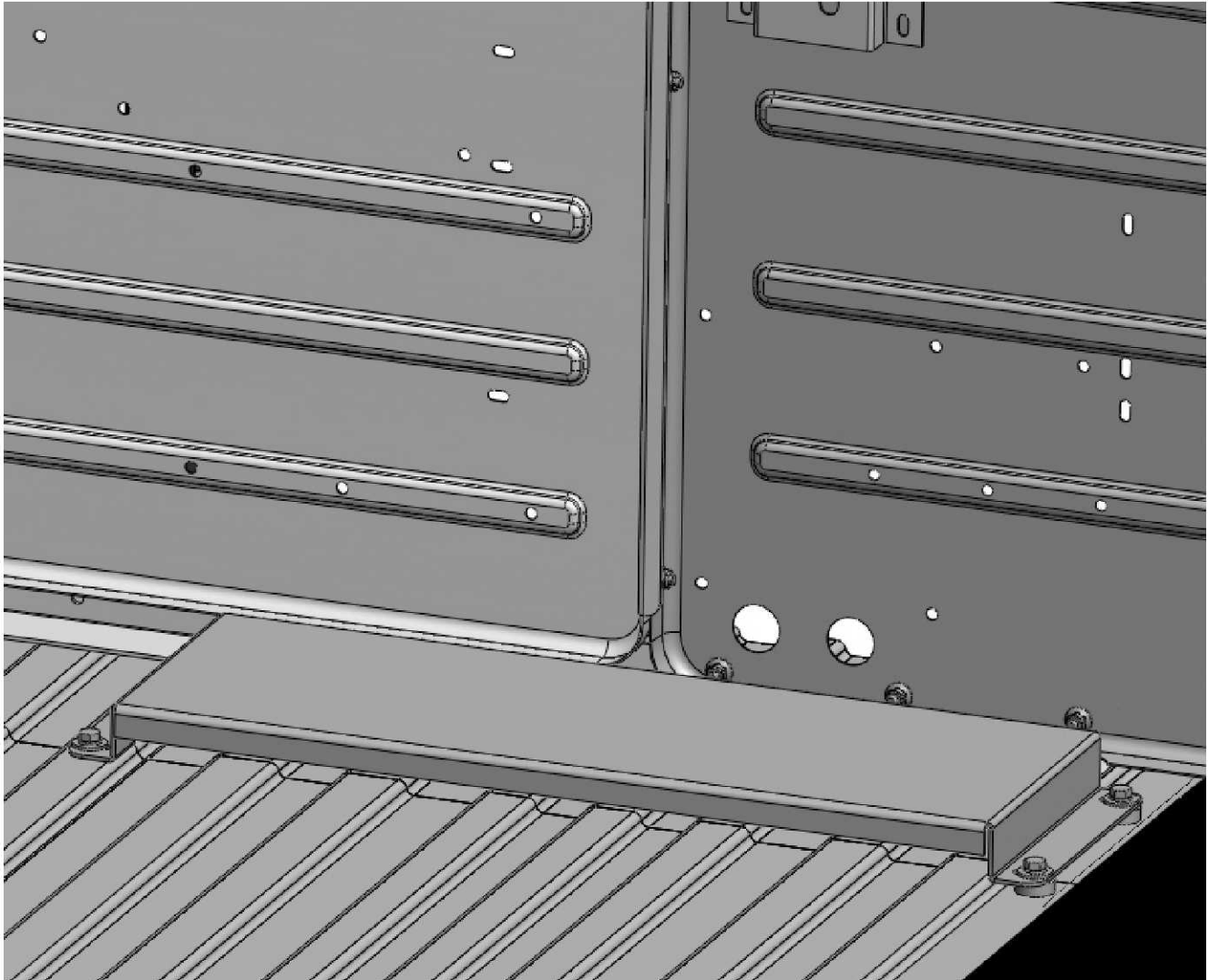


FAS0091— 5/16 Plus nut
FAS0086 Flat Washer
FAS0098 Lock Washer
FAS0092 Hex cap screw
15 ft-lb torque (+/- 2 ft-lbs)



FAS0091— 5/16 Plus nut
039827-1 short spacer
FAS0086 Flat Washer
FAS0098 Lock Washer
FAS0092 Hex cap screw
15 ft-lb torque (+/- 2 ft-lbs)

YOUR INSTALLATION IS NOW COMPLETE
You will have extra fasteners when your installation is complete
because we used an existing fastener bag for this installation.



**DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL
FASTENERS ARE TIGHTENED TO SPECIFICATIONS.
YOUR INSTALLATION IS NOW COMPLETE!
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!**