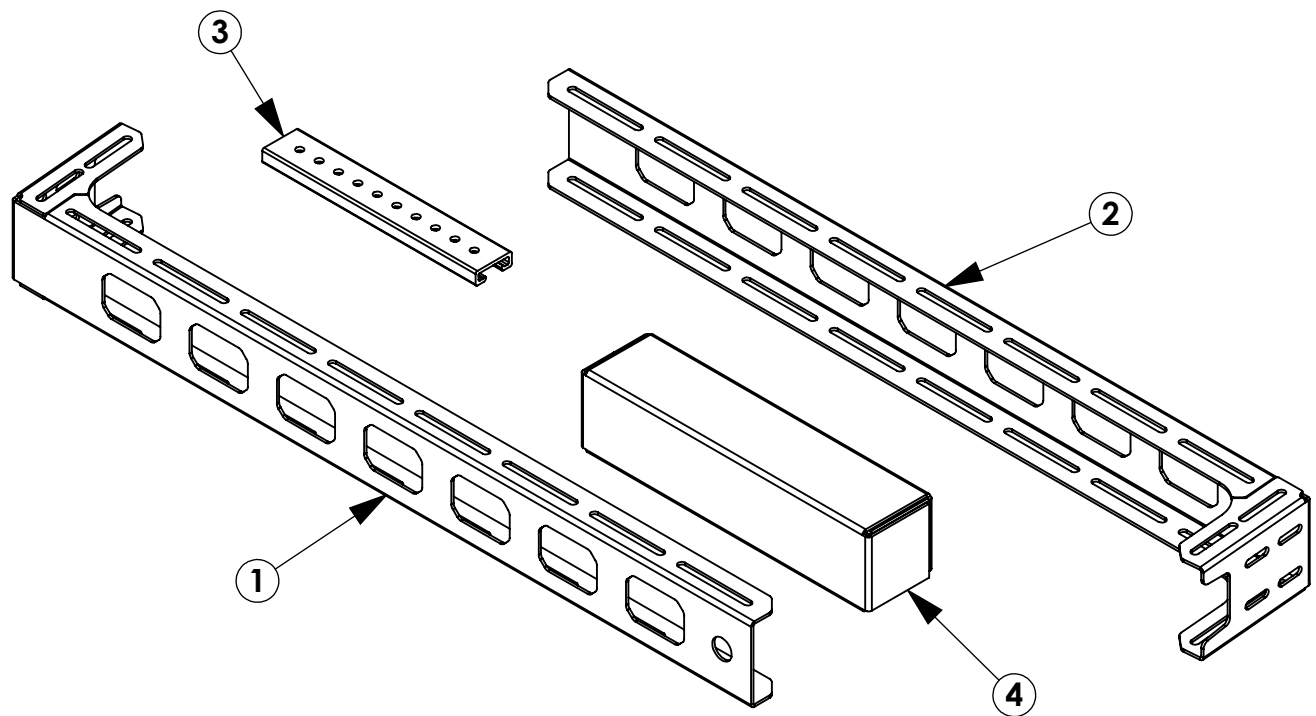


INSTR. : NUMBER : INSNGSCCB-AD	PG: 1	REV: A	NGSCCB-DD			
			ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART : NGSCCB-AD NUMBER :			1	81391-G	UPPER BRACE SECTION, D.S., GRAY	1
PART : CROSS-CAR BRACE (W / AD RAIL) DESC. :			2	81392-G	UPPER BRACE SECTION, P.S., GRAY	1
*FOR SUNRUN-SPECIFIC INSTRUCTIONS, GO TO PAGE 12			3	81394-0	RAIL AD, CROSS-CAR BRACE, DRILLED	1
			4	HDW81399	HDW FOR CROSS-CAR BRACE	1



- TOOLS NEEDED:**
- 1/2" WRENCH
 - 7/16" ALLEN
 - 1/2" DRILL BIT
 - PLUSNUT TOOL
 - DRILL

GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

SEAL ALL EXTERIOR HOLES - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

CONTROL DRILL DEPTH - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

ALWAYS ADD PRIMER - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

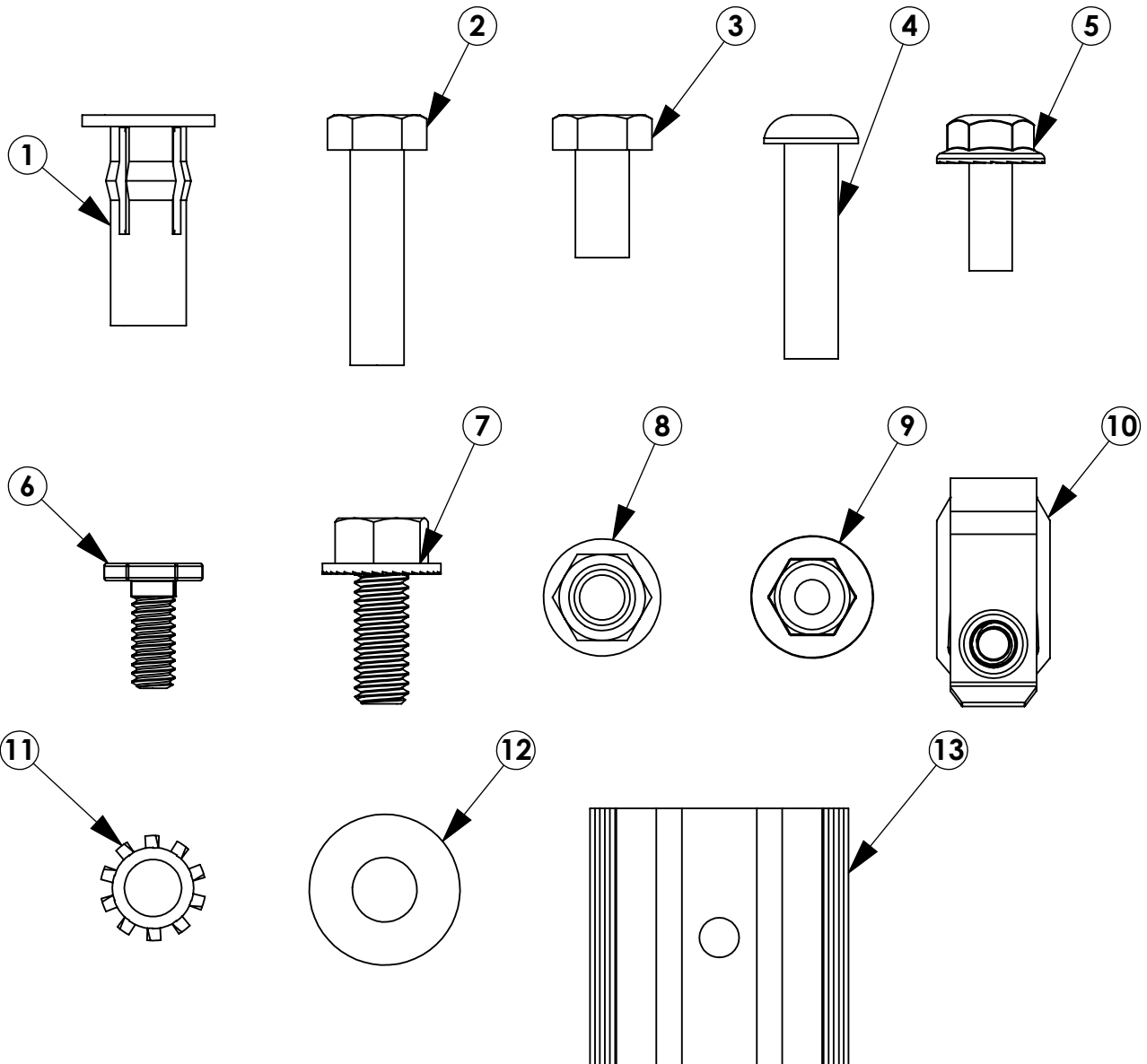
PAGE:

3

FASTENERS USED

BAG REFERENCE: BAG81398

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FAS0091	PLUSNUT, 5/16	8
2	FAS0587	SCREW,HH 5/16-18X1.25G5ZN	8
3	FAS0165	SCREW,HH 5/16-18X.62 ZN	8
4	FAS0708	SCREW,BHCS 5/16-18X1.25ZN	4
5	FAS0018	SCREW,HH SFLNG 1/4-20X.62 ZP	8
6	FAS0924	BOLT,CRG 1/4-20X.62 FH ZP	12
7	FAS0438	SCREW,HFLNG 5/16-18X.75 ZP	16
8	FAS0440	NUT,HEX NLK FLG 5/16-18 - ZP	16
9	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	12
10	FAS0994	U-NUT, 1/4-20, BO	8
11	FAS0085	WASHER,LCK EXT 5/16 ZP	12
12	FAS0086	WASHER,FLAT USS 5/16 ZP	8
13	35335-0	SLIDE, 1.5" / AD RAIL	8



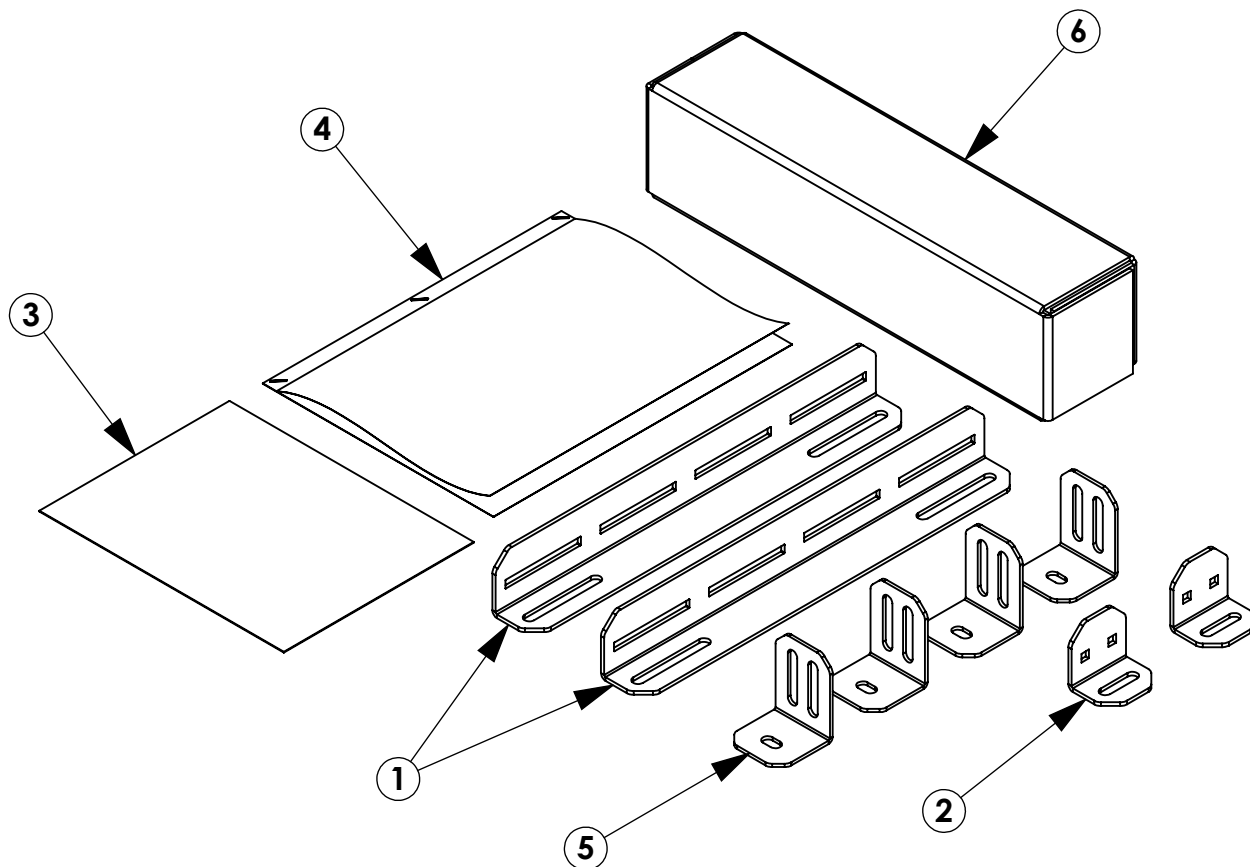
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BEST PRACTICE: ORGANIZE ALL HARDWARE PCS. & VERIFY THAT ALL ARE ACCOUNTED FOR

PAGE:

5**HARDWARE USED****HDW KIT REFERENCE: HDW81398**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81396-A	END PANEL SUPPORT, LONG, ASC BLUE	2
2	81397-A	END PANEL SUPPORT, SHORT, ASC BLUE	2
3	BAG81398	FAS BAG FOR NGSCCB	1
4	INSNGSCCB	ASSM INS FOR NGSCCB	1
5	81395-A	BRACE HEADER BRACKET, ASC BLUE	4
6	CRT57972	CARTON, 57971	1



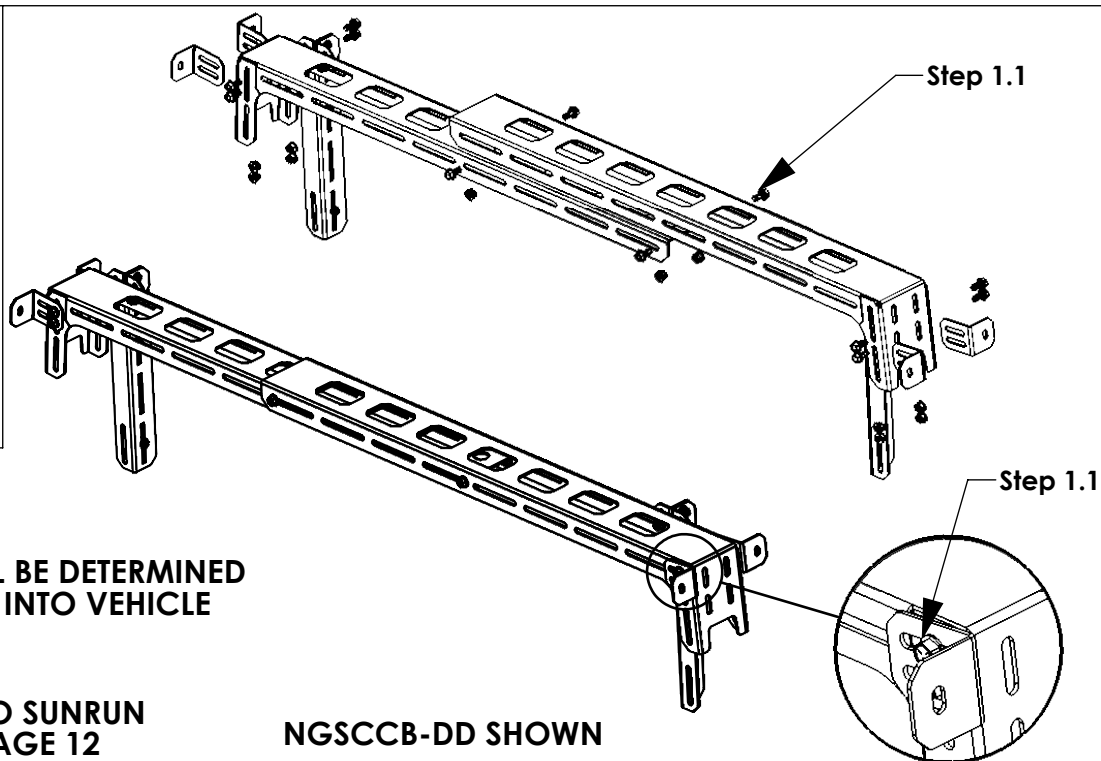
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STEP 1 - PRE-BUILDING BRACE INSTRUCTION IS THE SAME FOR NGSCCB-DU

Step 1.1
HAND TIGHTEN
 81391-G,
 81392-G &
 (4)81395-A WITH
 (12)FAS0438 &
 (12)FAS0440

1/2" WRENCH

**FULLY TIGHTEN
 AFTER Step 2.7**



NOTE:
 FULLY LENGHT WILL BE DETERMINED
 WHEN INSTALLING INTO VEHICLE

NOTE:
 IF INSTALLING INTO SUNRUN
 VEHICLE GO TO PAGE 12

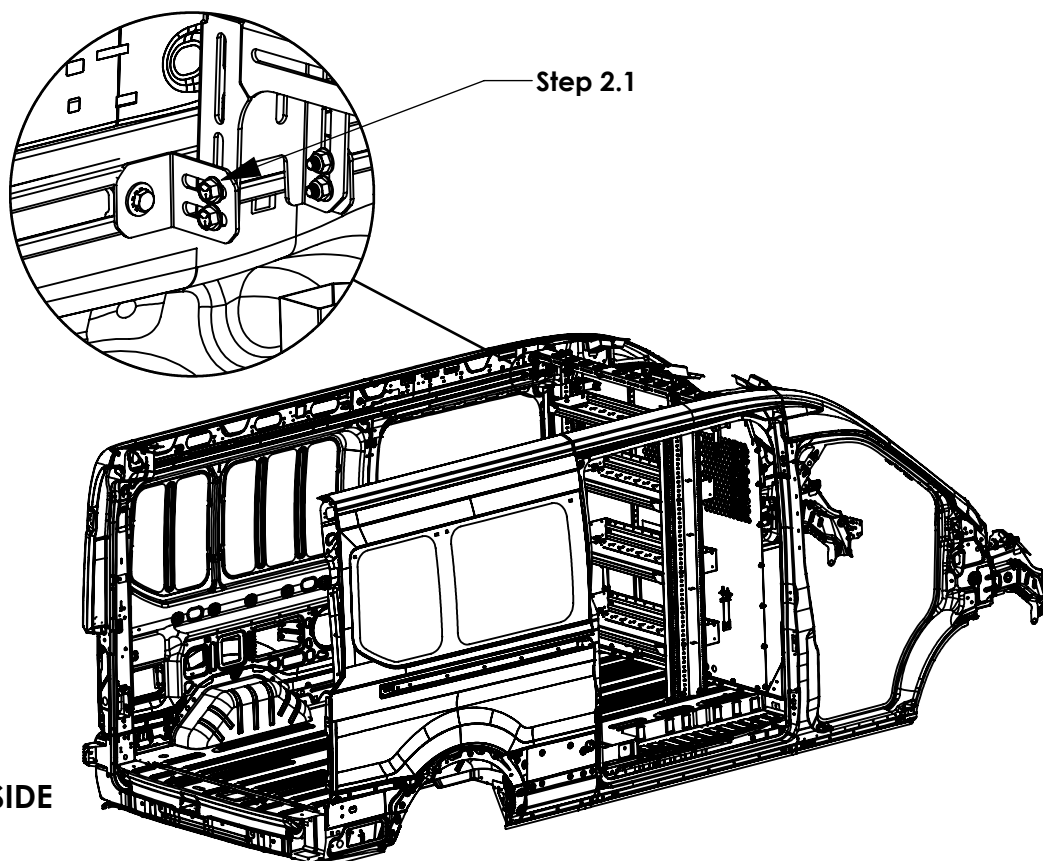
NGSCCB-DD SHOWN

STEP 2 - INSTALLING BRACE INTO VEHICLE

Step 2.1
AFTER FINDING
SHELVING
LOCATION, SLIDE
35335-0 INTO
EXISTING RAIL.

PLACE
PRE- ASSEMBLED
BRACE AGAINST
RAIL, HAND
TIGHTEN
 (4)FAS0165,
 (4)FAS0085 &
 (4)FAS0086

1/2" WRENCH



NOTE:
 MOUNTING TO DRIVER SIDE
 IS THE SAME FOR BOTH
 CROSS-CAR BRACES

STEP 2 - INSTALLING BRACE INTO VEHICLE

Step 2.2
HAND TIGHTEN
(2)FAS0055 &
(2)FAS0924 TO
81397-A &
81396-A.

FULLY TIGHTEN
(2)FAS0055 &
(2)FAS0924

Step 2.3
REMOVE & KEEP
EXISTING
FAS0055 FROM
SHELVING, THEN
SLIDE 81396-A
AGAINST END
PANEL,

RETURN FAS0055
BACK IN PLACE
AND HAND
TIGHTEN ALONG
WITH (2)FAS0055
& (2)FAS0440

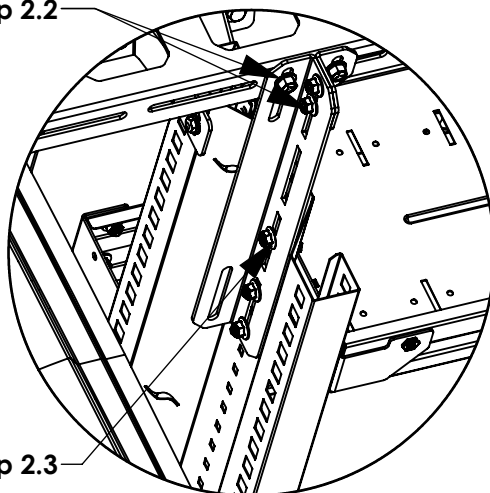
Step 2.4
EXTEND BRACE
UP TO
PASSENGER SIDE
WALL, AND
PLACE 81394
RAIL AGAINST
PASSENGER SIDE
WALL, TO MARK
(4) HOLES TO
DRILL

**1/2" DRILL BIT
DRILL**

Step 2.5
DRILL 1/2"
HOLES FOR
PLUSNUTS, AND
PLACE
(4)FAS0091 INTO
HOLES

PLUSNUT TOOL

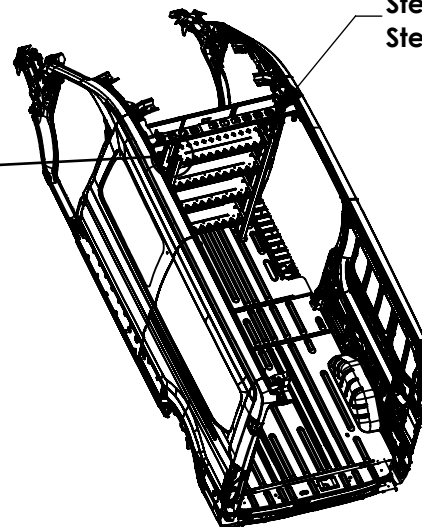
Step 2.2



Step 2.3

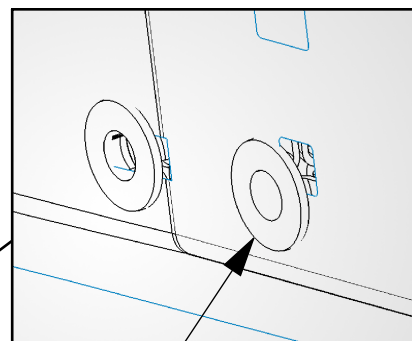
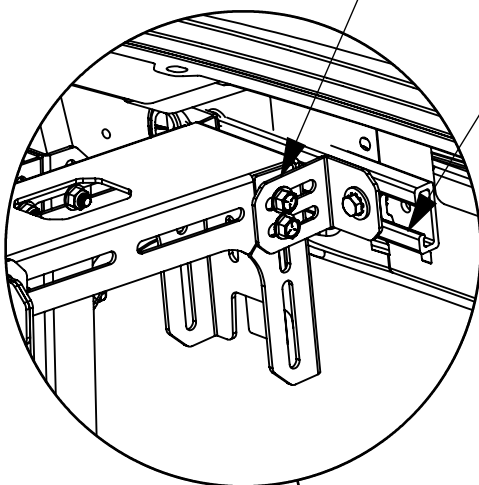
NOTE:
REPEAT ON PASSENGER SIDE

Step 2.2 &
Step 2.3

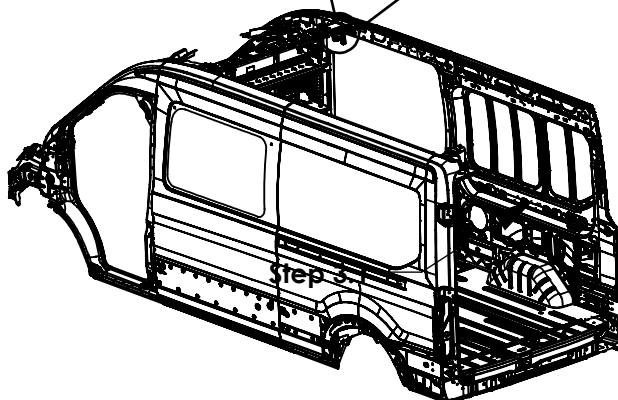


NOTE:
SHOWN NGSCCB-DU

Step 2.4



Step 2.5



STEP 2 - INSTALLING BRACE INTO VEHICLE

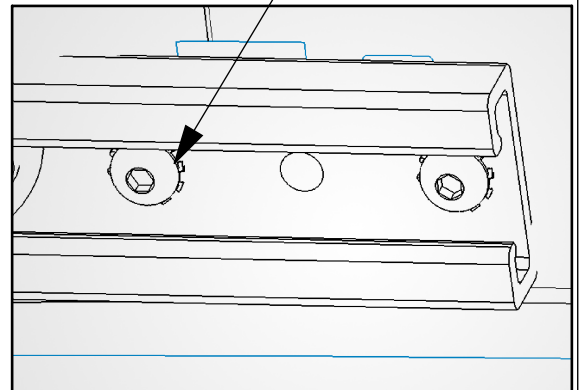
Step 2.6
PLACE 81394-0
AGAINST
FAS0091, FULLY
TIGHTEN
(4)FAS0708 &
(4)FAS0085

3/16 ALLEN

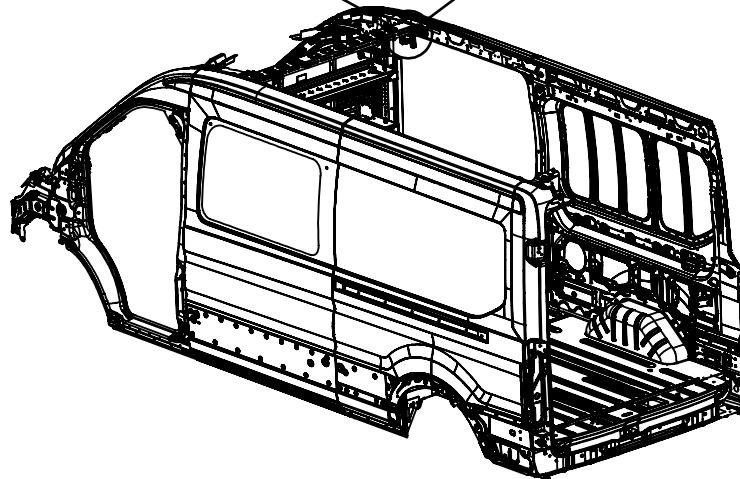
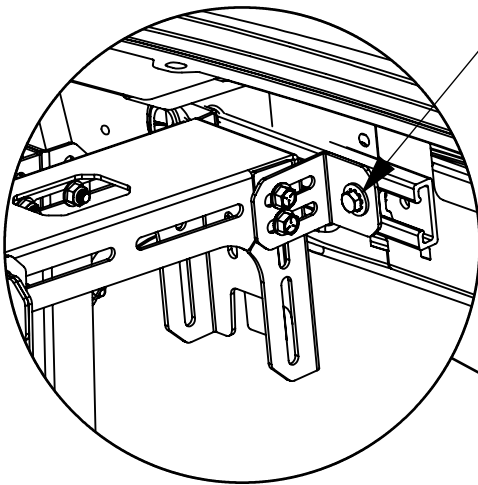
Step 2.7
SLIDE (4)35335-0
INTO RAIL,
EXTEND BRACE
AGAINST 81394-0,
FULLY TIGHTEN
(4)FAS0165,
(4)FAS0085 &
(4)FAS0086

1/2" WRENCH

Step 2.6



Step 2.7



STEP 3 - MOUNTING TO VEHICLE WITHOUT RAILS (INSTRUCTION ALSO WORK FOR NGSCCB-DU)

Step 3.1
ON BOTH
DRIVER AND
PASSENGER
SIDE, THAT DOES
NOT HAVE
RAILS.

EXTEND BRACE
OUT TO TOUCH
WALLS TO MARK
(4)HOLES.

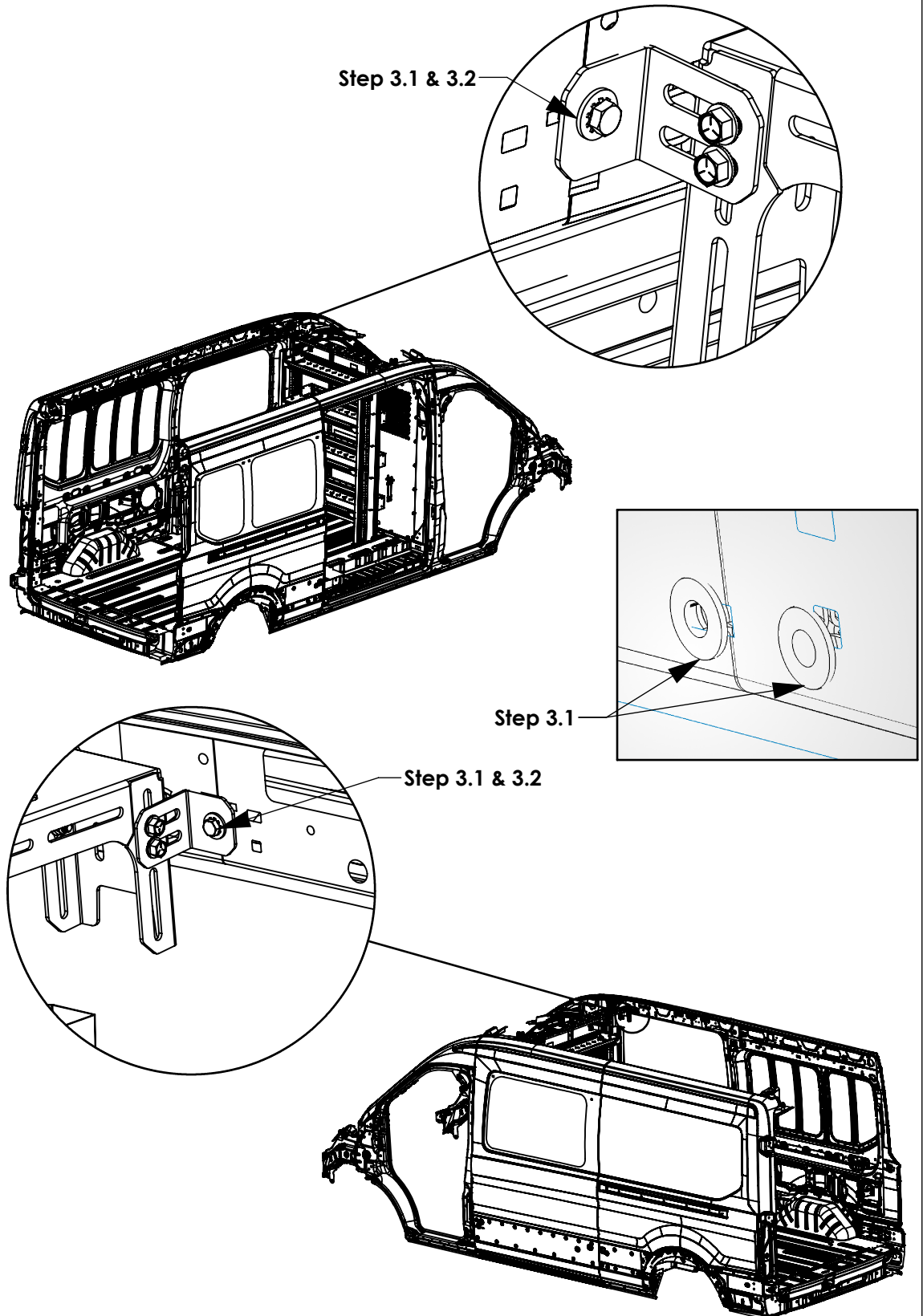
DRILL 1/2"
HOLES AND
PLACE
(4)FAS0091

PLUS NUT TOOL

Step 3.2
EXTEND BRACE
BACK TO SIT
OVER FAS0091,

FULLY TIGHTEN
(8)FAS0165,
(8)FAS0085 &
(8)FAS0086

1/2" WRENCH



STEP 4 - MOUNTING TO OUTER SLOTS ON END PANELS

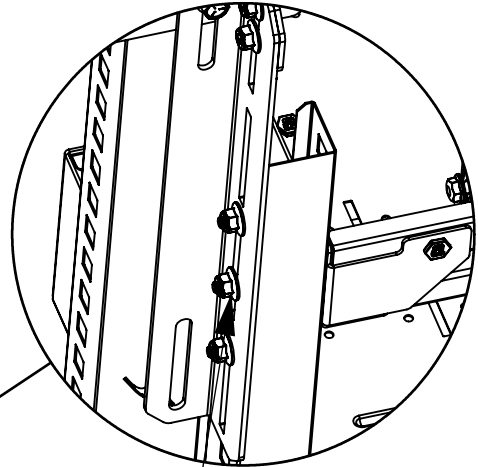
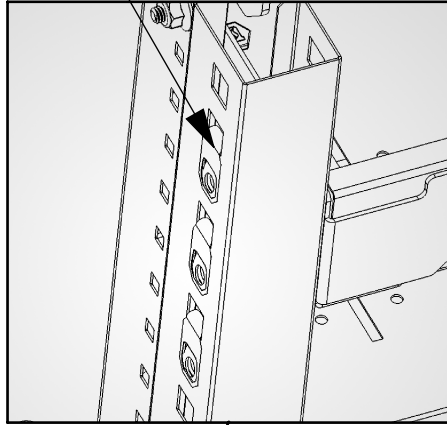
Step 4.1
PLACE
(3)FAS0994 INTO
SLOTS IN THE
END PANELS.

SLIDE 81396-A
AGAINST END
PANELS, FULLY
TIGHTEN
(3)FAS0018

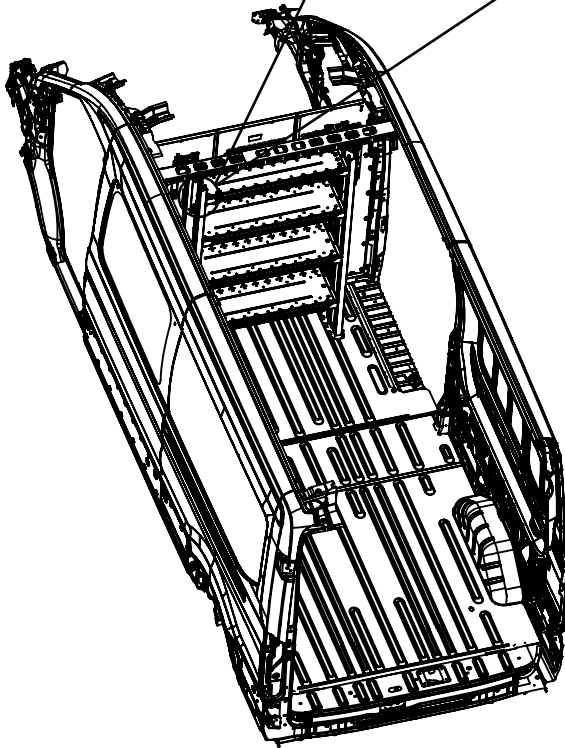
1/2" WRENCH

(REPEAT ON
OTHER SIDE)

Step 4.1



Step 4.1



STEP 2A - INSTALLING BRACE INTO SUNRUN VEHICLE

Step 2.1A
WHEN PLACING
SHELVING INTO
VEHICLE,
MEASURE TO THE
HIGHLIGHTED
SLOT LOCATION.

MARK LOCATION
TO BE 14-1/4"
FROM PARTITION
TO CENTER OF
SLOT.

MEASURE FROM
THE HIGHLIGHTED
MOUNTING-SLOT
- MARK 12-1/8"
FROM EDGE OF
FLOOR TO
SLIDING DOOR

Step 2.2A
HAND TIGHTEN
(2)FAS0055 &
(2)FAS0924 TO
81397-A &
81396-A.

FULLY TIGHTEN
(2)FAS0055 &
(2)FAS0924

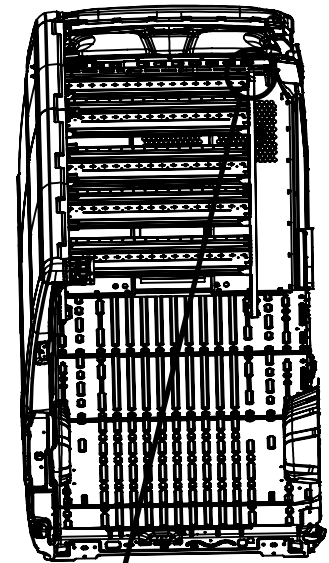
Step 2.3
REMOVE & KEEP
EXISTING
FAS0055 FROM
SHELVING, THEN
SLIDE 81396-A
AGAINST END
PANEL,

RETURN FAS0055
BACK IN PLACE
AND HAND
TIGHTEN ALONG
WITH (2)FAS0055
& (2)FAS0440

FULLY TIGHTEN
AFTER Step 2.6A

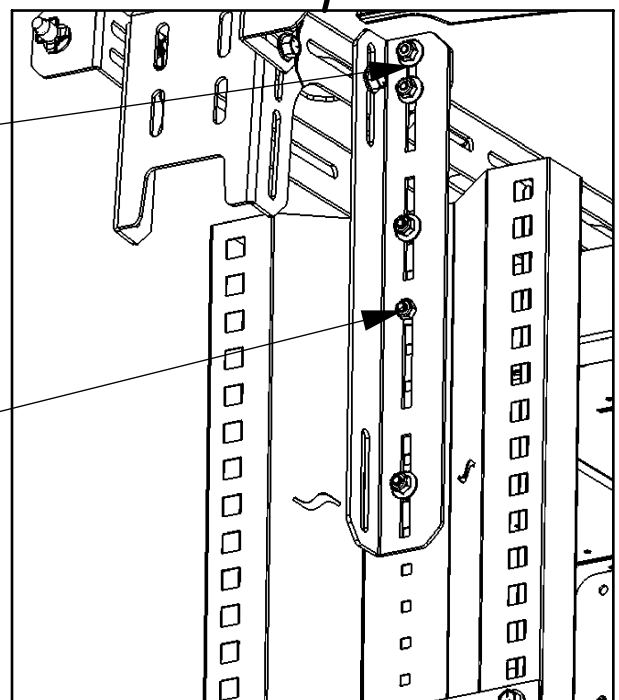


Step 2.1A



Step 2.2A

Step 2.3A



NOTE:
MOUNTING TO PASSENGER
SIDE IS THE SAME FOR BOTH
CROSS-CAR BRACES

STEP 2A - INSTALLING BRACE INTO SUN RUN VEHICLE

Step 2.4A
EXTEND BRACE
UP TO DRIVER
AND PASSENGER
SIDE WALL, AND
PLACE 81394
RAIL AGAINST
PASSENGER SIDE
WALL, TO MARK
(4) HOLES TO
DRILL

1/2" DRILL BIT
DRILL

Step 2.5A
DRILL 1/2"
HOLES FOR
PLUSNUTS, AND
PLACE
(4)FAS0091 INTO
HOLES

PLUSNUT TOOL

Step 2.6A
EXTEND BRACE
BACK TO SIT
OVER FAS0091,

FULLY TIGHTEN
(8)FAS0165,
(8)FAS0085 &
(8)FAS0086

1/2" WRENCH

FULLY TIGHTEN
ALL FASTENERS

