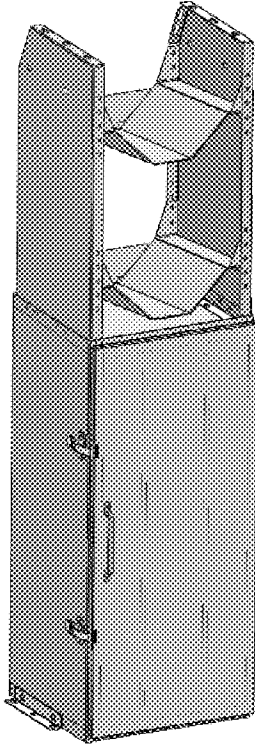




ADRIAN STEEL

Cargo Management Solutions for Commercial Vehicles

TANK CABINET & RACK ASM.



PRODUCT WEIGHT

55 lbs.

WIDTH x DEPTH x HEIGHT

16" x 15" x 48"

CAPACITY

**1 Torch Kit and 2
Tanks**

COLOR

GRAY

CATALOG NUMBER

MD538

PRODUCT FEATURES

SEALED AND VENTED TANK CABINET FOR CARRYING OXYGEN/ACETYLENE TORCH KITS OR SIMILAR PRODUCT WITH A 2 TANK RACK MOUNTED ON TOP. CABINET IS SUPPLIED WITH 4 FOAM BLOCKS FOR END USER TO INSTALL. LOCATION TO BE DETERMINED BY END USER DEPENDING ON TYPE OF UNIT BEING CARRIED. RACK IS SUPPLIED WITH 2 TIE STRAPS FOR RESTRAINING TANKS IN RACK. SEE TA21 CABINET AND TS2T RACK FOR ADDITIONAL INFO.

PAGE 1 of 1

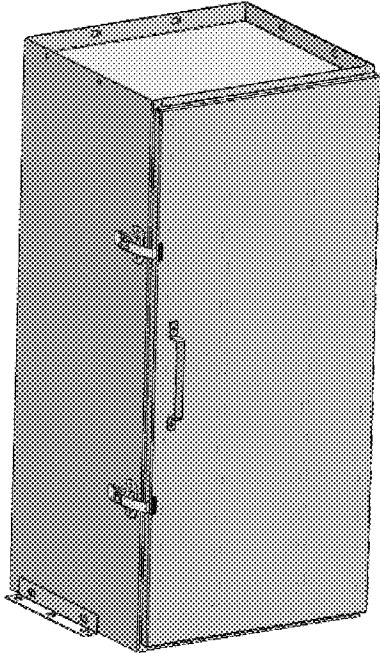
The information contained in this document is the sole property of ADRIAN STEEL COMPANY. ADRIAN STEEL COMPANY retains the right to modify and/or change the product of its design at any time without prior notification.



ADRIAN STEEL

Cargo Management Solutions for Commercial Vehicles

SEALED & VENTED TANK CABINET



PRODUCT WEIGHT

38 Lbs

WIDTH x DEPTH x HEIGHT

16" x 15" x 28 ½"

CAPACITY

1 TORCH KIT

COLOR

GRAY

CATALOG NUMBER

TA21

PRODUCT FEATURES

SEALED AND VENTED CABINET FOR CARRYING OXYGEN/ACETYLENE TORCH KITS OR SIMILAR PRODUCT. CABINET IS SUPPLIED WITH 4 FOAM BLOCKS FOR END USER TO INSTALL. LOCATION TO BE DETERMINED BY END USER DEPENDING ON TYPE OF UNIT BEING CARRIED. LOCATION OF VENT TO BE DETERMINED BY THE GAS BEING USED AND LOCATION IN VEHICLE. CAN BE COMBINED WITH A TS2T 2 TANK RACK TO CREATE AN MD538 CABINET AND RACK ASM.

PAGE 1 of 1

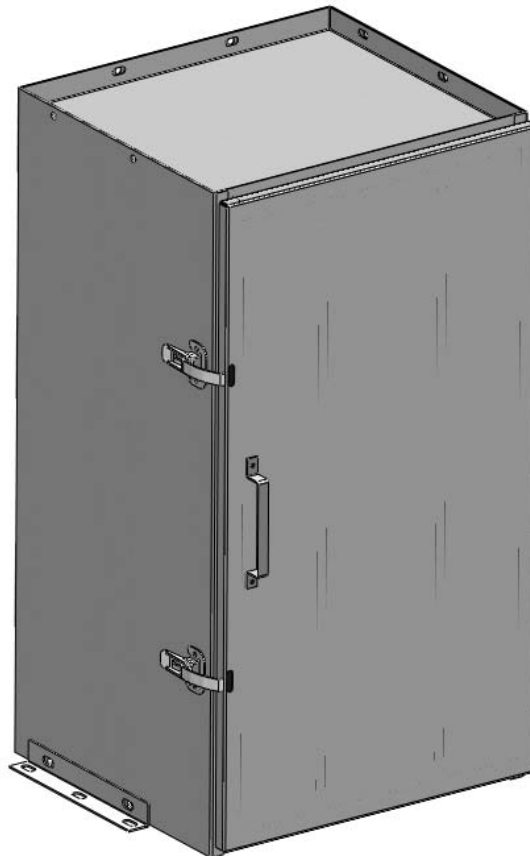
The information contained in this document is the sole property of ADRIAN STEEL COMPANY. ADRIAN STEEL COMPANY retains the right to modify and/or change the product of its design at any time without prior notification.

Introduction / Comments:

THIS CABINET IS DESIGNED TO STORE AND CARRY A LIGHT DUTY OXY/ACETYLENE TORCH KIT WITH TOTE. IT CAN BE COMBINED WITH TS2T TANK RACK TO CREATE AN MD538 CABINET AND RACK MODULE.

Note:

It is advised that all fasteners used in this assembly and installation of this Rack 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 package gives you long service life.



TA21 TANK CABINET

- 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

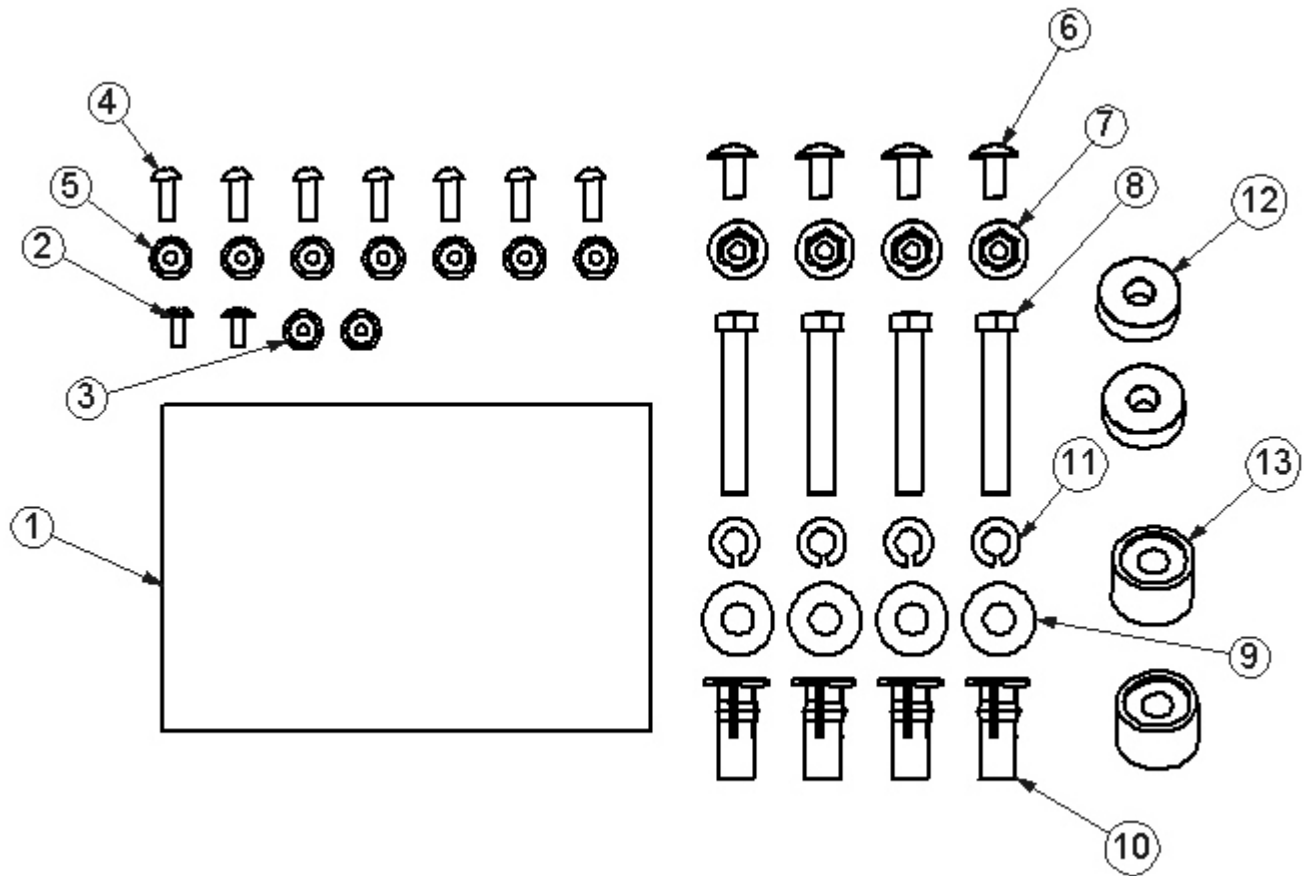


MEASURING TAPE

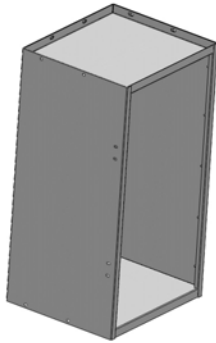
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

BAGTA19
FASTENER BAG, CABINET
NOTE : THERE MAY BE EXTRA FASTENERS

ITEM NO.	PART NUMBER	DESCRIPTION	99999-W/QTY.
1	BAG0509-A	5" x 9" 4MIL AUTOBAG	1
2	FAS0001	Screw, Truss Hd. Ph, #8-32x0.38	2
3	FAS0013	Nut, Hex Flange, #8-32	2
4	FAS0021	Screw, Round Phillips Head, #10-24x0.50	7
5	FAS0020	Nut, Hex Flange, #10-24	7
6	FAS0061	Screw, Truss Hd. Ph, 1/4-20x0.50	4
7	FAS0055	Nut, Hex Flange, Nylock 1/4-20	4
8	FAS0095	Screw, Hex Hd, 5/16-18x2.00 Zn Plate, Grade 8	4
9	FAS0086	Washer, Flat, 5/16, ZN	4
10	FAS0091 unclinched	Plusnut, 5/16	4
11	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	4
12	03927-1	Floor Spacer Short	2
13	03927-2	Tall Floor Spacer	2



MAJOR COMPONENTS REQUIRED



41812-G CABINET



41815-G DOOR ASM.



15682-0 HOSE (3')



31472-0 FOAM BLOCK
4 REQ'D

CONTENTS OF HDW-TA21 HARDWARE BOX



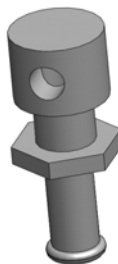
CLAMP ASM.. 2 REQ'D



16590-0 HANDLE



31451-0 FLOOR BRKT.



16599-0 VENT FITTING



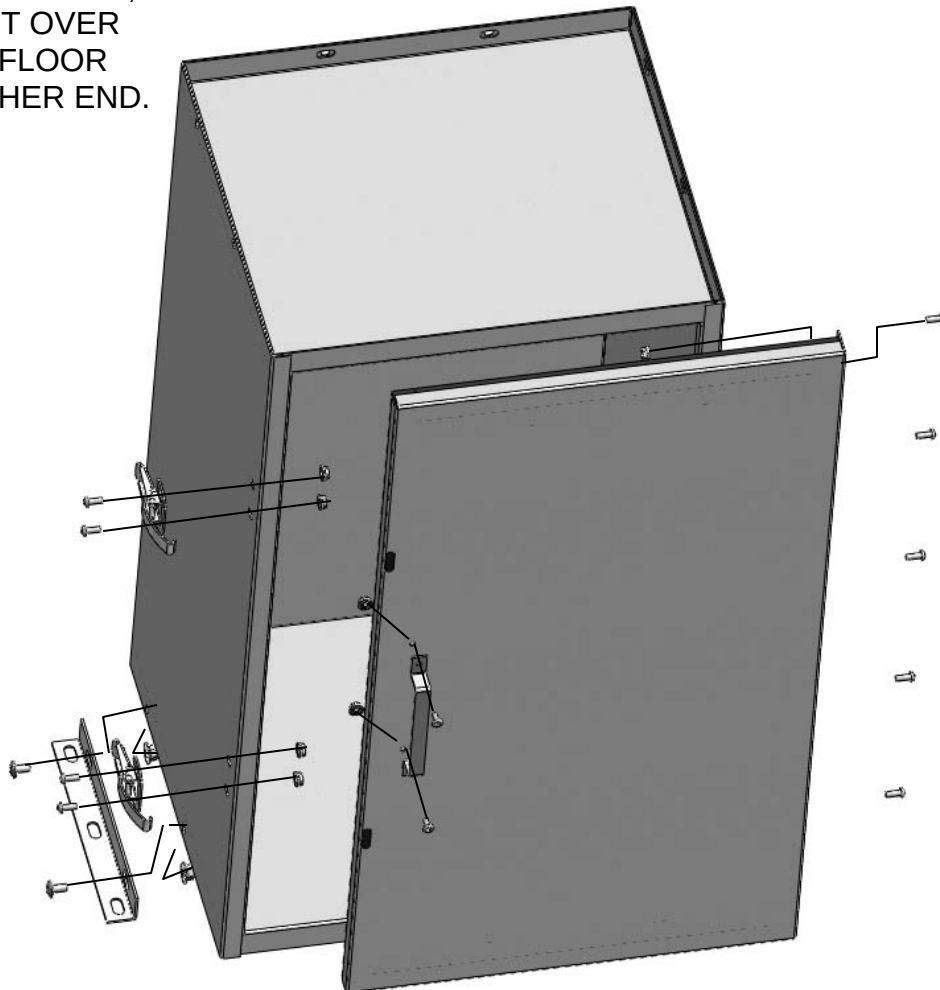
16600-0 CABINET VENT
FITTING

ATTACH HANDLE TO DOOR USING 2) FAS0001 #8-32 SCREWS AND 2) FAS0013 HEX FLANGE NUTS. ATTACH 2) CLAMP ASSEMBLIES TO CABINET USING SCREWS AND NUTS INCLUDED. ATTACH DOOR HINGE TO CABINET USING 5) FAS0021 #10-24X.50 ROUND PHILLIPS HEAD SCREWS AND 5) FAS0020 HEX FLANGE NUTS. ADJUST CLAMPS AND HINGE TO ACHIEVE BEST SEAL CONDITION OF DOOR TO CABINET. TIGHTEN ALL FASTENERS.

DEPENDING ON APPLICATION AND LOCATION, ATTACH 1 OR 2 OF THE 31451-0 FLOOR BRACKETS TO THE CABINET USING 2) FAS0061 1/4-20X.5 TRUSS HEAD SCREWS AND 2) FAS0055 HEX FLANGE NUTS. REFER TO PDS SHEET AND INSTRUCTIONS.

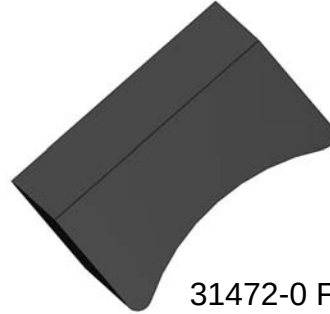
DETERMINE BEST LOCATION FOR VENTING. FOR OXY/ACETYLENE TORCH, VENT SHOULD BE AT TOP OF CABINET THRU SIDE OR BACK PANEL OF CABINET. LOCATE AND DRILL A 1" HOLE THRU THE CABINET WALL AND INSTALL THE 16600-0 PLASTIC FITTING. LOCATE AND DRILL A 3/4" HOLE THRU SIDE OF VEHICLE AND INSTALL THE 16599-0 FITTING WITH THE VENTS IN THE HEAD OF THE FITTING POINTED DOWN. NOTE, THE VENT THRU THE SIDEWALL OF THE VEHICLE NEEDS TO BE ABOVE THE FITTING IN THE CABINET. CUT AN APPROPRIATE LENGTH OF HOSE AND INSTALL BETWEEN BOTH FITTINGS. MOUNT CABINET IN VEHICLE ACCORDING TO THE PDS SHEET. LEAVE THE 4 FOAM BLOCKS AND FOAM BLOCK INSTALLATION INSTRUCTION SHEET IN THE CABINET FOR THE END USER.

NOTE : FOR LEFT HAND HINGE APPLICATIONS, TURN CABINET OVER AND ATTACH FLOOR BRKTS TO OTHER END.



Introduction / Comments:

FOAM BLOCKS TO BE INSTALLED INSIDE CABINET BY END USER.



31472-0 FOAM BLOCK
SET OF 4



BLOCKS ARE PEEL AND STICK. LOCATION DETERMINED BY THE UNIT BEING CARRIED AND THE ORIENTATION IT IS BEING CARRIED IN. EXAMPLE AT LEFT SHOWS A VICTOR CUTSKILL UNIT IN CABINET. 2 BLOCKS ARE PLACED BEHIND THE UNIT, ONE LOW AND ONE HIGH. 2 BLOCKS ARE PLACED IN FRONT OF UNIT (LEFT) TO LIMIT MOVEMENT. THE UPPER BLOCK IS POSITIONED SO THAT IN THE EVENT OF THE UNIT TIPPING, THE FOAM PROTECTS THE VALVES & GAUGES FROM POSSIBLE DAMAGE. SEE BELOW.

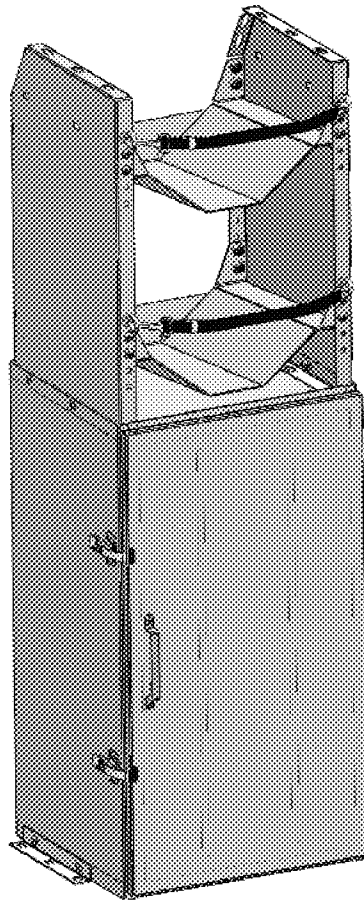


Introduction / Comments:

THIS CABINET AND RACK ASM IS INTENDED TO CARRY A LIGHT DUTY OXY/ ACETYLENE TORCH KIT WITH TOTE IN CABINET AND 2 REFRIDGERANT TANKS ON RACK. CABINET IS SEALED AND VENTED AT INSTALLATION. END USER NEEDS TO INSTALL FOAM BLOCKS (INCLUDED) INSIDE CABINET TO PROTECT TORCH KIT.

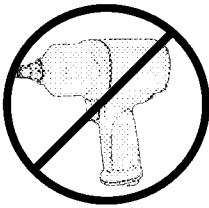
Note:

It is advised that all fasteners used in this assembly and installation of this Rack 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 package gives you long service life.

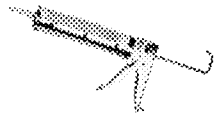
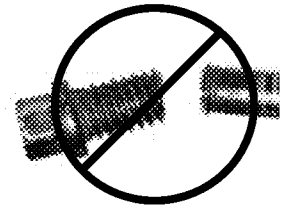


MD538 STORAGE CABINET & RACK ASM.

- 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.

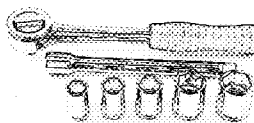
THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



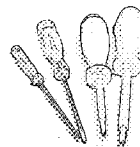
DRILL



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.

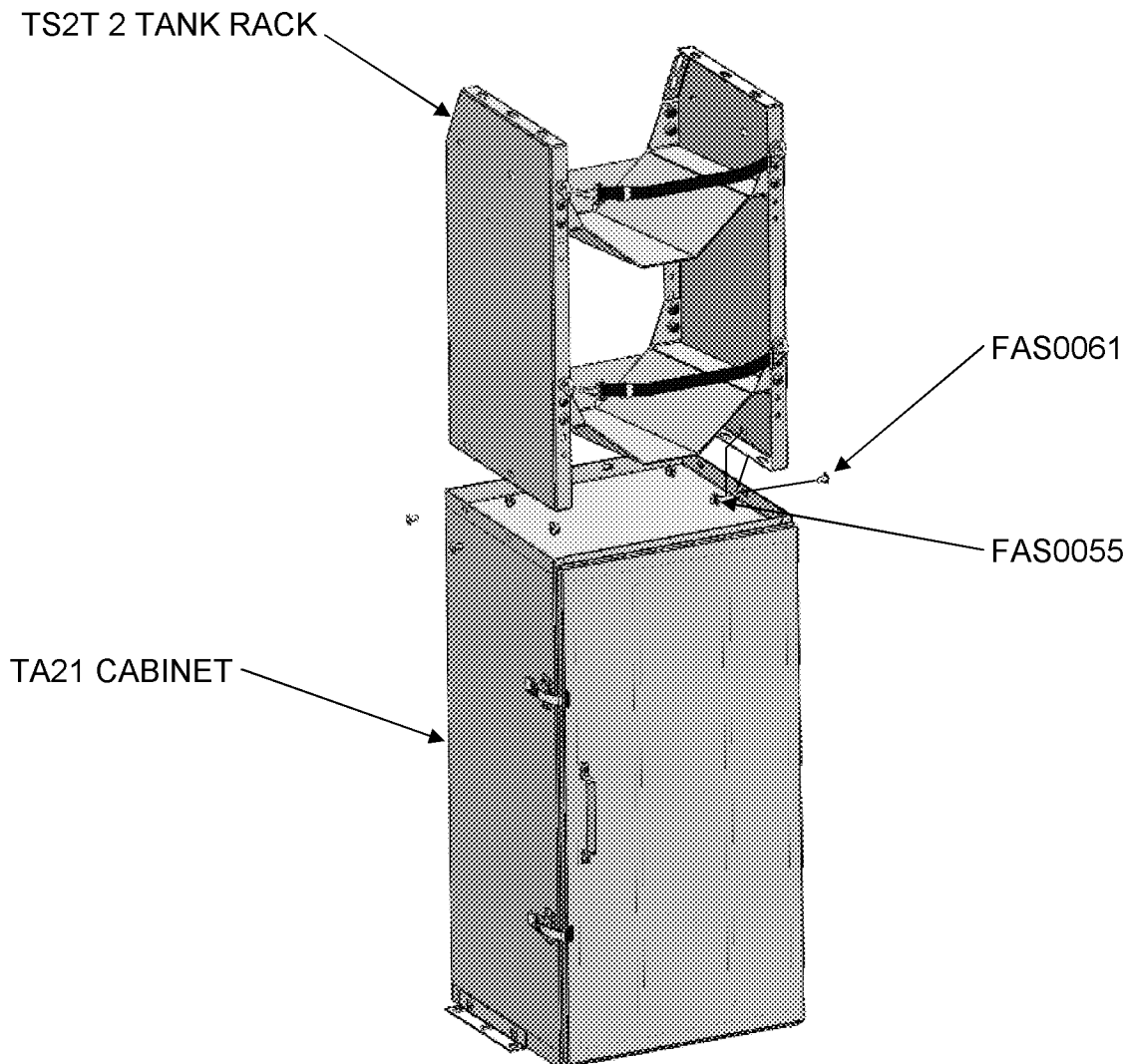
SET TANK RACK INSIDE TOP OF CABINET AND FASTEN WITH (4) FAS0061 1/4-20 TRUSS HEAD SCREWS AND (4) FAS0055 1/4-20 HEX FLANGE LOCKNUTS AS SHOWN.

NOTE : FOR OPPOSITE HAND HINGE, TURN CABINET OVER.

MOUNT IN VEHICLE UTILIZING STANDARD PRACTICES. MOUNT BOTH SIDES OF CABINET TO FLOOR, OR ONE SIDE TO FLOOR OR RAIL AND OPPOSITE SIDE TO CABINET OR SHELF THAT IT IS BESIDE. ATTACH TOP OF CABINET TO ADJACENT UNIT THRU HOLE THAT ATTACHES RACK AND CABINET AND/OR TO SIDE WALL OF VEHICLE. ATTACH TOP OF RACK TO VEHICLE SIDE WALL OR RAIL USING STANDARD BRACKETS ON BOTH SIDES, OR ATTACH WITH BRACKET TO ONE SIDE AND TO ADJACENT CABINET OR SHELF UNIT ON OPPOSITE SIDE.

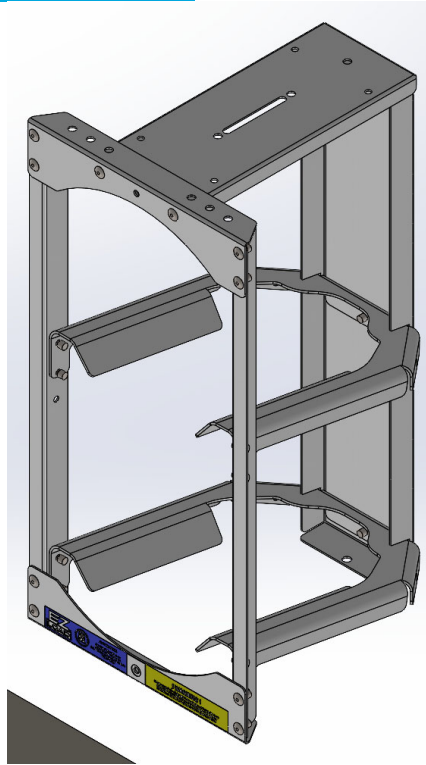
SEE 41888 INSTRUCTIONS FOR VENTING OF CABINET.

SEE PDS SHEET FOR INSTALLATION LOCATION AND INSTRUCTIONS.





EZLoad Tank Rack, 30lb. (2)



PRODUCT WEIGHT

18.47 LBS

WIDTH x DEPTH x HEIGHT

11.84" x 12.82" x 23.68"

CARRYING CAPABILITY

2-30lb. Tanks

COLOR

GRAY

CATALOG NUMBER

230TR

PRODUCT FEATURES

230TR is designed to fit two thirty pound freon tanks.

Mounting Rack on an angle you will need

- Mercedes metris or Transit = HDWTRMMTR
- Sprinter or GM = HDWTRSPGM
- Transit Connect = HDWTRTC

When mounting over an AD Rail kit use provided spacers to level rack above the rail (no additional mounting kits are required).

TRSHELF30 (1" lip) & TR4SHELF30 (4" lip) are accessory shelves that mount to the top of this rack.

If you want to level the shelf so that it doesn't sit on the 10 degree angle you will also need TRSHLFBRKT.

STACKING TANK RACKS - You must use one of the flat topped rack options on the bottom. (130TR, 150TR, 230TR, 250TR. You will also need BAGSTEPRD).

Tank Racks can be stacked on top of one another for mid & high roof vehicles as long as the shelf end panel next to it is 1/2 or more the height of the second rack when stacked. The tank rack must be properly secured to the shelf end panel, tank rack, and wall of vehicle for both racks.

Some drilling may be required.

SEE PAGE 2 FOR APPLICATION NOTES AND ACCESSORIES, OTHER PRODUCTS THAT WORK WITH THIS UNIT.



CATALOG NUMBER 230TR

PRODUCT APPLICATION

The TR tank racks are designed to fit most all vehicles

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION
TRSHELF30	TANK RACK 30LB, SHELF - 1" Lip Shelf
TR4SHELF30	TANK RACK 30LB, 4" SHELF - 4" Lip Shelf
DVTR4SHELF	TANK RACK, 4"SHELF DIVIDER - Works with TR4SHELF30
TRSHLFBRKT	TANK RACK SHELF BRACKET
BAGSTEPRD	To stack tank racks
HDWTRMMTR	ANGLED TANK RACK HARDWARE – Works for Mercedes Metris & Transit
HDWTRSPGM	ANGLED TANK RACK HARDWARE – Works for Sprinter & GM
HDWTRTC	ANGLED TANK RACK HARDWARE – Works for Transit Connect

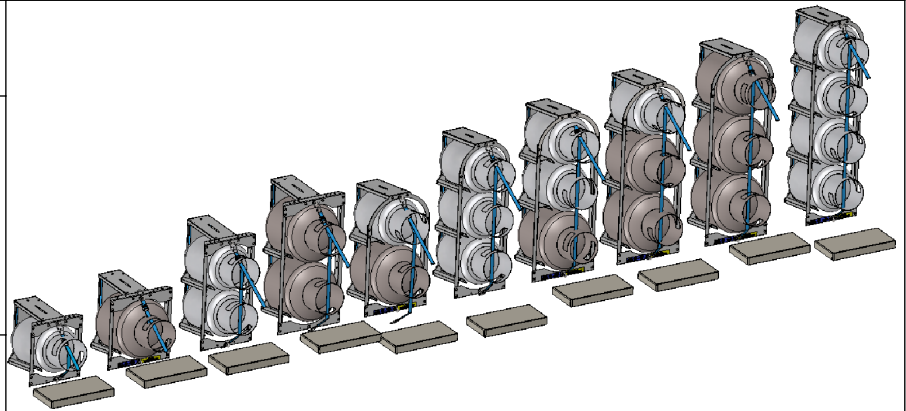
SPECIAL APPLICATION NOTES

INSTR.
NUMBER : **65482**

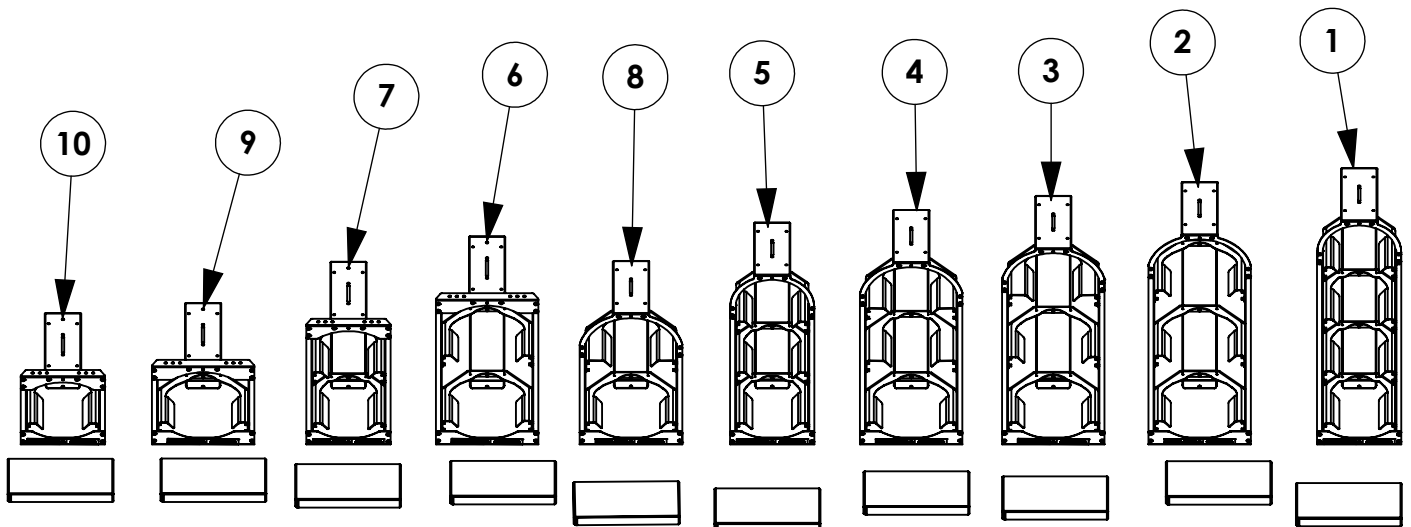
PG: **1** REV: **D**

PART NUMBER • **130TR** **350TR**
• **150TR** **130250TR**
• **230TR** **230150TR**
• **250TR** **430TR**
• **330TR** **130150TR**

PART • TANK RACK, 1-30LB TANK
DESC. • TANK RACK, 1-50LB TANK
• TANK RACK, 2-30LB TANK
• TANK RACK, 2-50LB TANK
• TANK RACK, 3-30LB TANK
• TANK RACK, 3-50LB TANK
• TANK RACK, 1-30LB 2-50LB TANK
• TANK RACK, 2-30LB 1-50LB TANK
• TANK RACK, 4-30LB TANK
• TANK RACK, 1-30LB 1-50LB TANK



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	430TR	TANK RACK 4-30lb TANKS	1
2	350TR	Tank Rack, 3-50lb Tanks	1
3	130250TR	TANK RACK, 1-30lb 2-50lb TANKS	1
4	230150TR	Tank Rack, 2-30lb 50lb Tanks	1
5	330TR	Tank Rack, 3-30lb Tanks	1
6	250TR	TANK RACK, 2-50lb TANKS	1
7	230TR	Tank Rack, 2-30lb Tanks	1
8	130150TR	TANK RACK, 30LB & 50LB TANK	1
9	150TR	TANK RACK, 1-50lb TANK	1
10	130TR	Tank Rack, 1-30lb Tank	1



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.

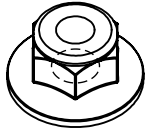
MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

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.

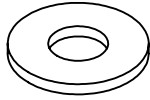
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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).

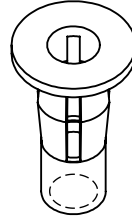
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS USED

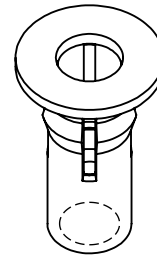
FAS0055
1/4-20 ZP NLK
FLG HEX NUT
QTY: 7



FAS0124
1/4 ZN
FLATWASHER
QTY: 2



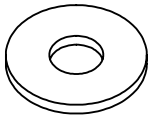
FAS0052
1/4-20 PB DC
PLUSNUT
QTY: 2



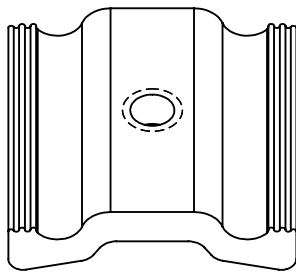
FAS0091
5/16-18 PB DC
PLUSNUT
QTY: 3



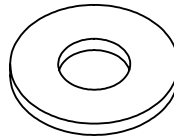
FAS0060
1/4 ZP
SPLIT LCK WASHER
QTY: 2



FAS0067
1/4 ZP
FLAT WASHER
QTY: 7



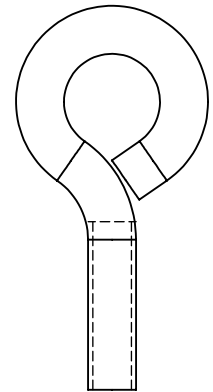
35335-0
1.5" AD SLIDE
QTY: 1



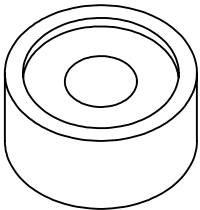
FAS0086
5/16 ZP
FLAT WASHER
QTY: 4



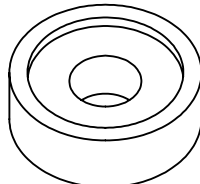
FAS0165
5/16-18X.62 ZN
HH SCREW
QTY: 1



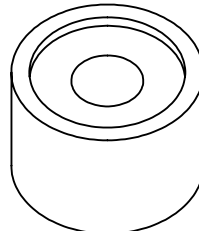
FAS0050
1/4-20X.5X.88 ZP
EYEBOLT
QTY: 2



FAS0831
1/2 ZP
FLR SPACER
QTY: 3



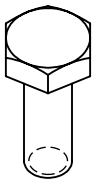
03927-1
11/32 ZP
FLR SPACER
QTY: 3



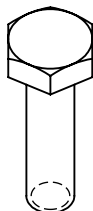
03927-2
11/16 ZP
FLR SPACER
QTY: 5



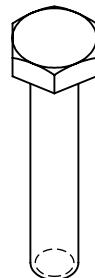
FAS0098
5/16 ZP
SPLIT LCK WASHER
QTY: 4



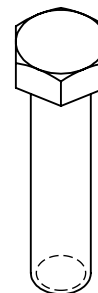
FAS0063
1/4-20X.75 G5 ZN
HH SCREW
QTY: 3



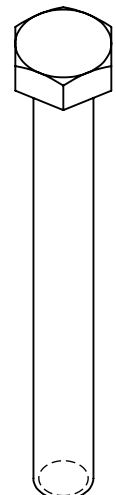
FAS0078
1/4-20X1 G8 ZP
HH SCREW
QTY: 2



FAS0079
1/4-20X1.5 G8 ZP
HH SCREW
QTY: 4

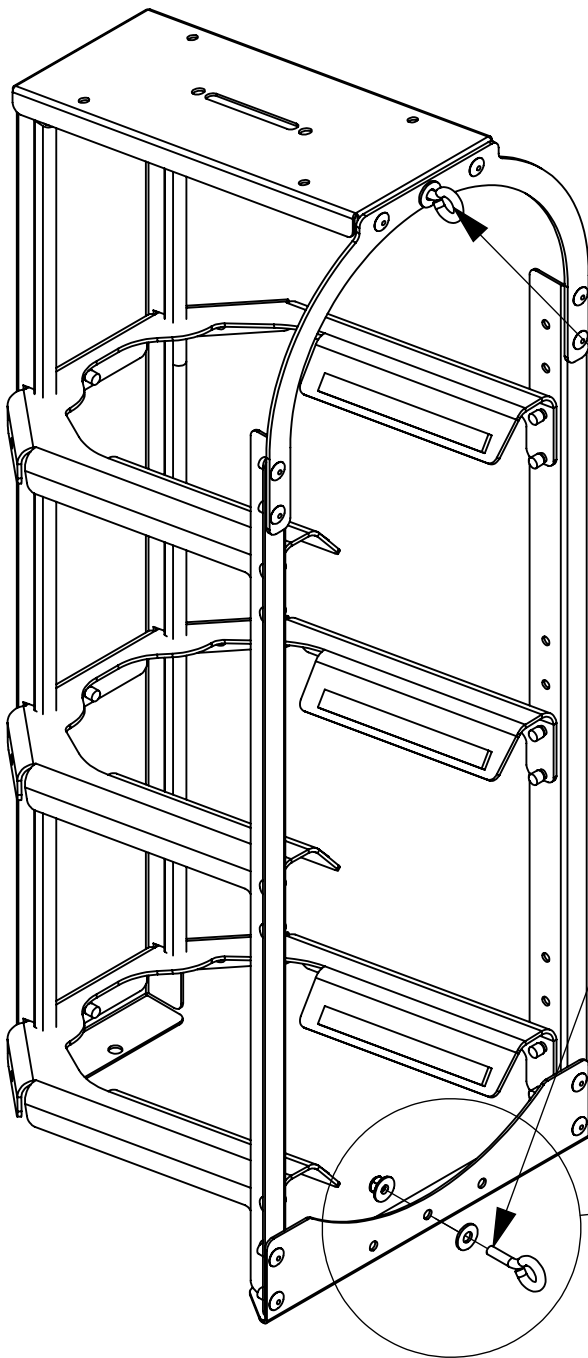


FAS0092
5/16-18X1.5 G8ZP
HH SCREW
QTY: 3

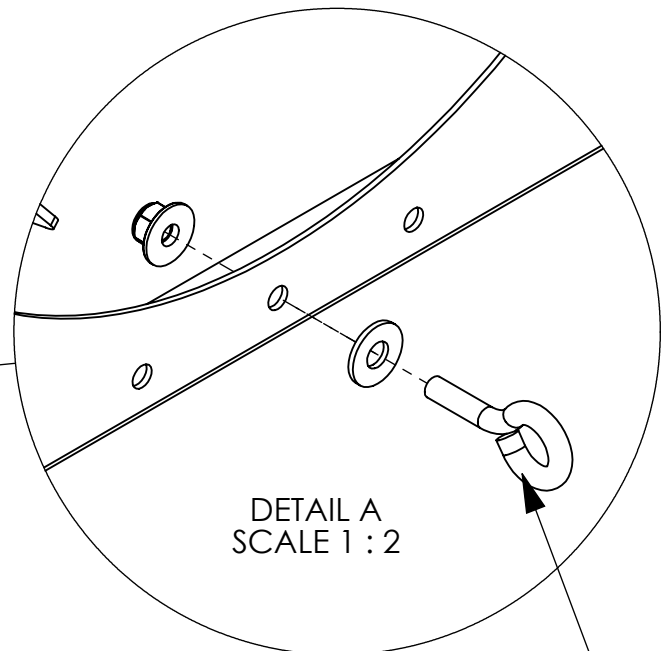


FAS0524
5/16-18X3 G5 ZP
HH SCREW
QTY: 3

BEGIN ASSEMBLY
STEP 1 - INSTALL EYEBOLTS



**EYELET INSTALLED VERTICALLY
FOR EASY STRAP INSTALL**



DETAIL A
SCALE 1 : 2

**USE FAS0050, FAS0124 AND FAS0055
(2 PLACES ALL RACKS)
PHILLIPS SCREW DRIVER
7/16 WRENCH**

STEP 3 - ASSEMBLE PINCHWELD

**TRIM PINCHWELD WITH
TIN SNIPS TO FIT RACK
LENGTH**

INSTALL PINCHWELD

10" PINCHWELD-44175

2 PLACES - 130TR

4 PLACES - 230TR

6 PLACES - 330TR

4 PLACES - 230150TR

2 PLACES - 130250TR

8 PLACES - 430TR

13" PINCHWELD-57974

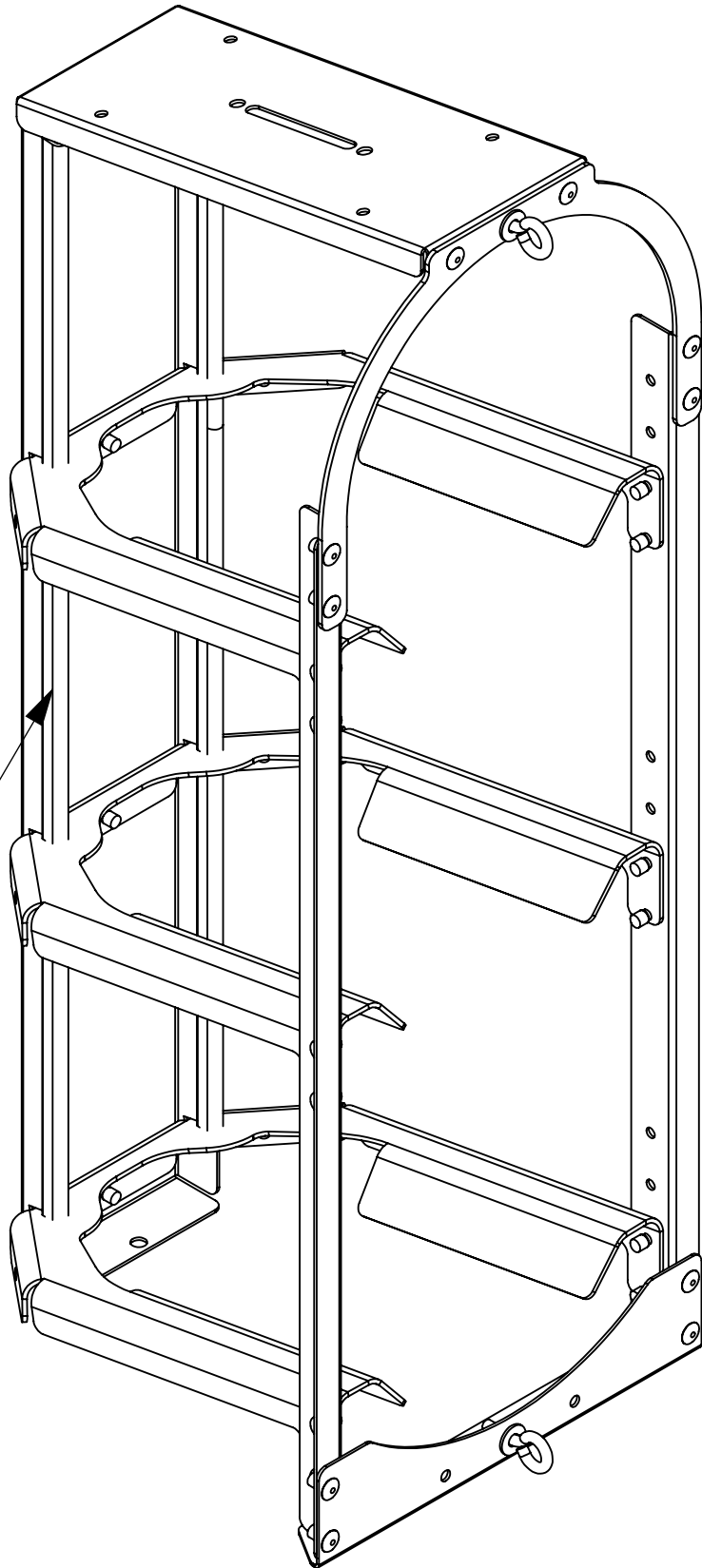
2 PLACES - 150TR

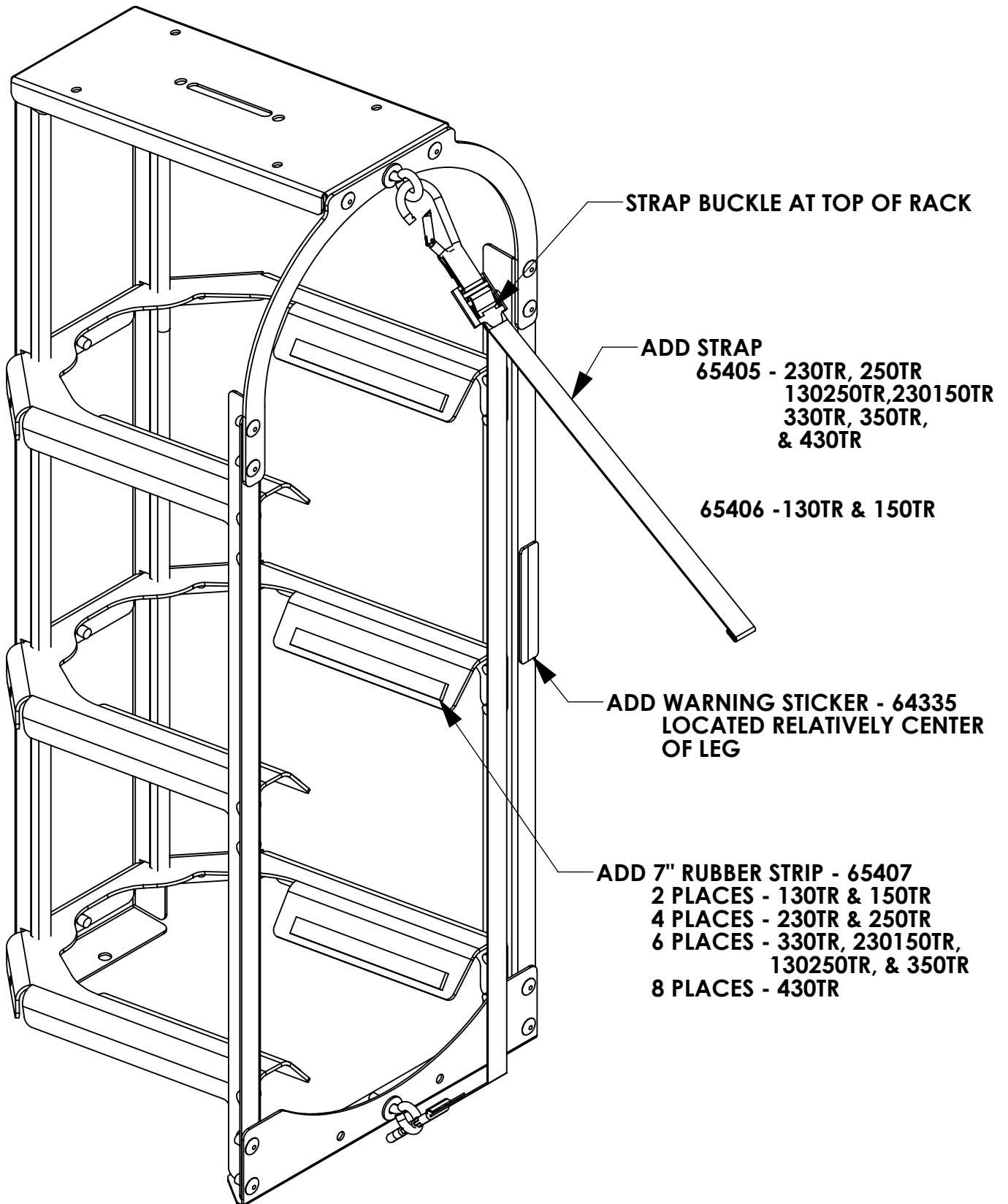
4 PLACES - 250TR

2 PLACES - 230150TR

4 PLACES - 130250TR

6 PLACES - 350TR



STEP 4 - ASSEMBLE 7" RUBBER STRIP AND STRAP

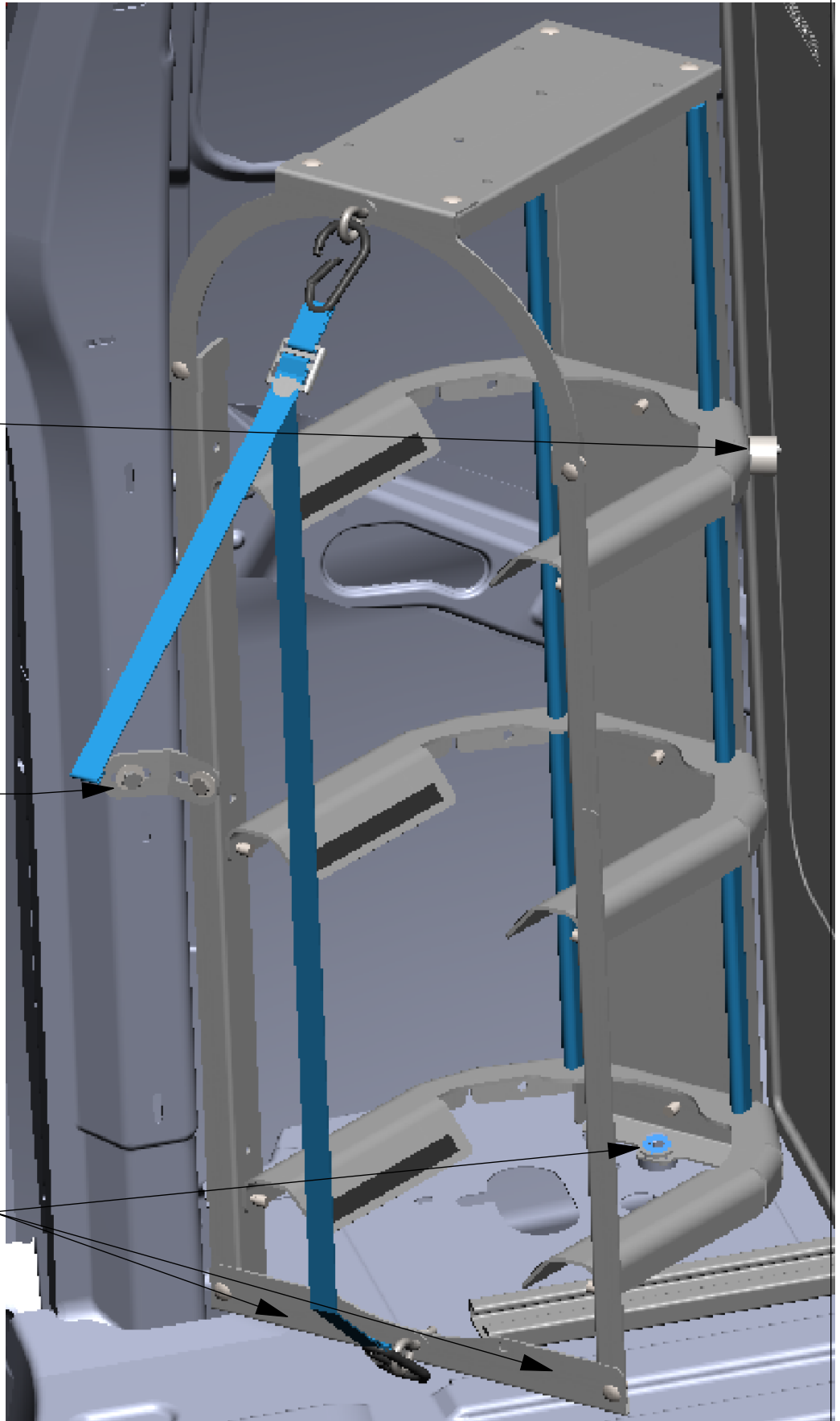
MOUNTING TANK RACK IN REAR OF VEHICLE AT 45 DEGREE ANGLE

NOTE: PROMASTER 136WB CANNOT BE MOUNTED AT A 45 DEGREE ANGLE

FASTEN TO END PANEL
03927-2
FAS0079
FAS0067
FAS0055

WING BRACKET 46768-G
FAS0052
FAS0067
FAS0060
FAS0079

3 PLACES
FAS0092
FAS0098
FAS0086
USE SPACERS AS REQUIRED

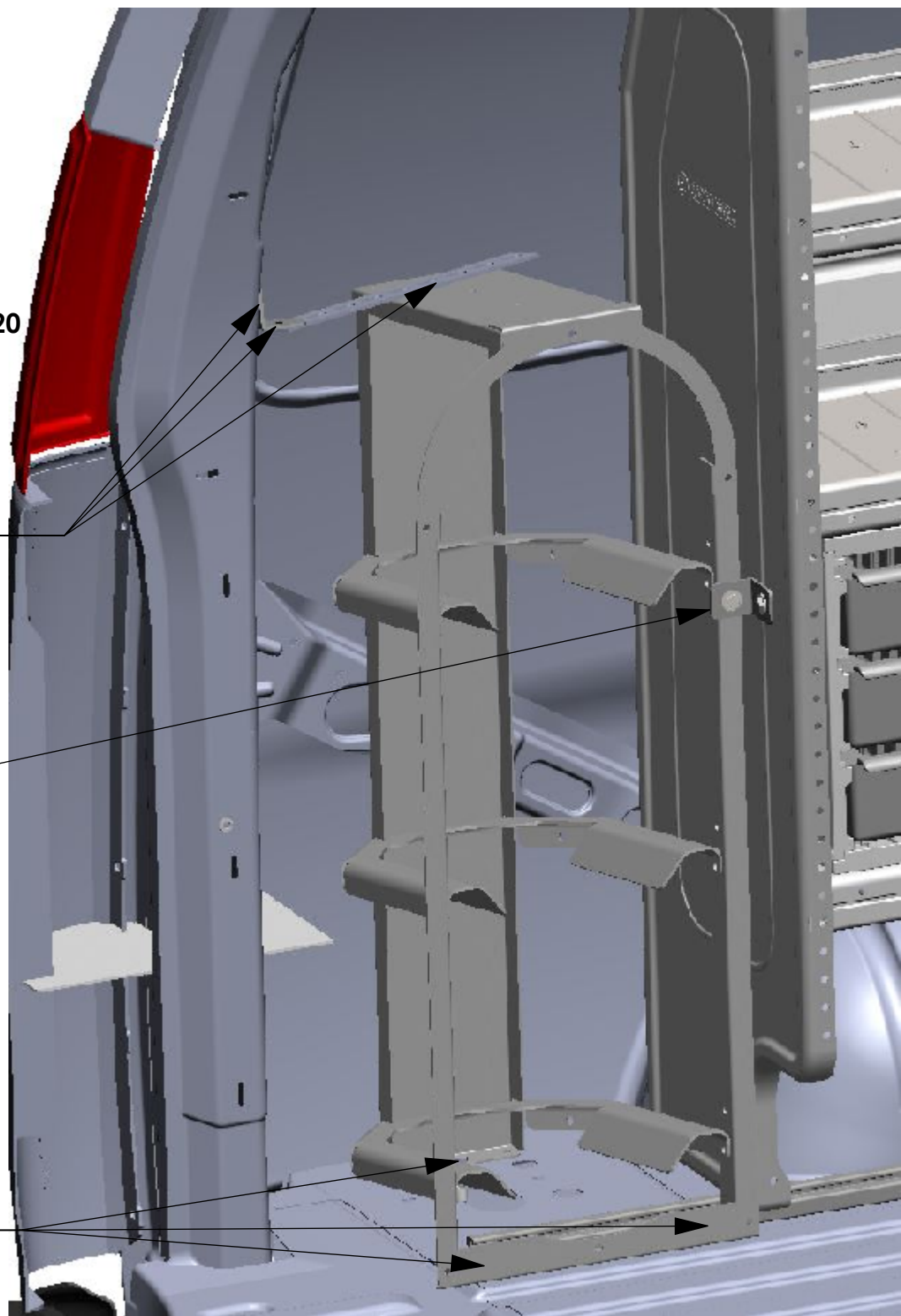


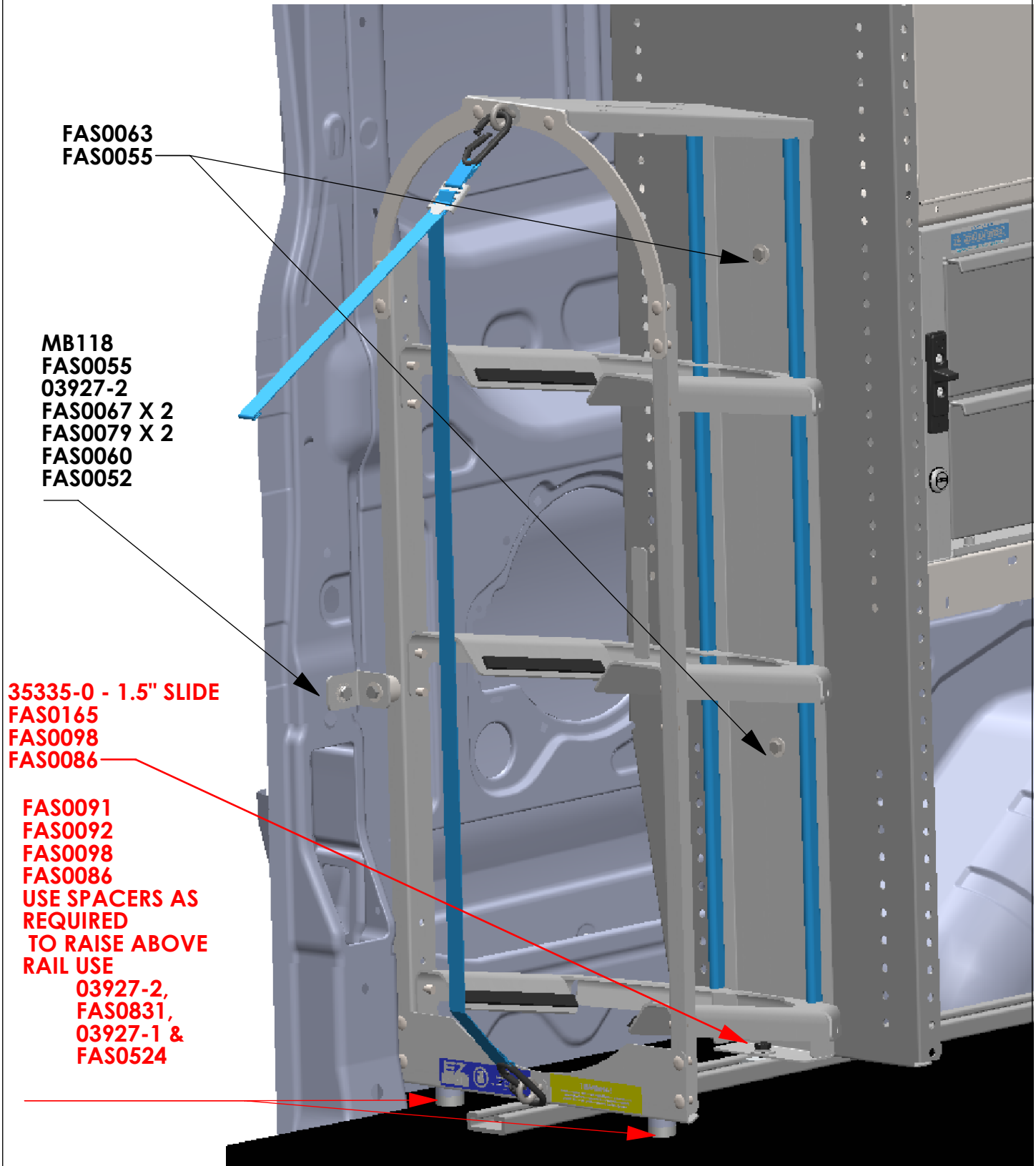
VEHICLE INSTALL BACK DOOR FACING INWARDS

MB118
MB120
FASTEN TO D-PILLAR
FAS0052
FAS0067
FAS0060
FAS0079
FASTEN MB118 TO MB120
FAS0078
FAS0067
FAS0055
FASTEN TO TANK RACK
FAS0063
FAS0067
FAS0055

MB118
FAS0078
FAS0067 X 2
FAS0055 X 2
FAS0063

3 PLACES
FAS0091 X1
FAS0092 X 1
FAS0086 X 1
FAS0098 X 1
USE SPACERS AS
REQUIRED



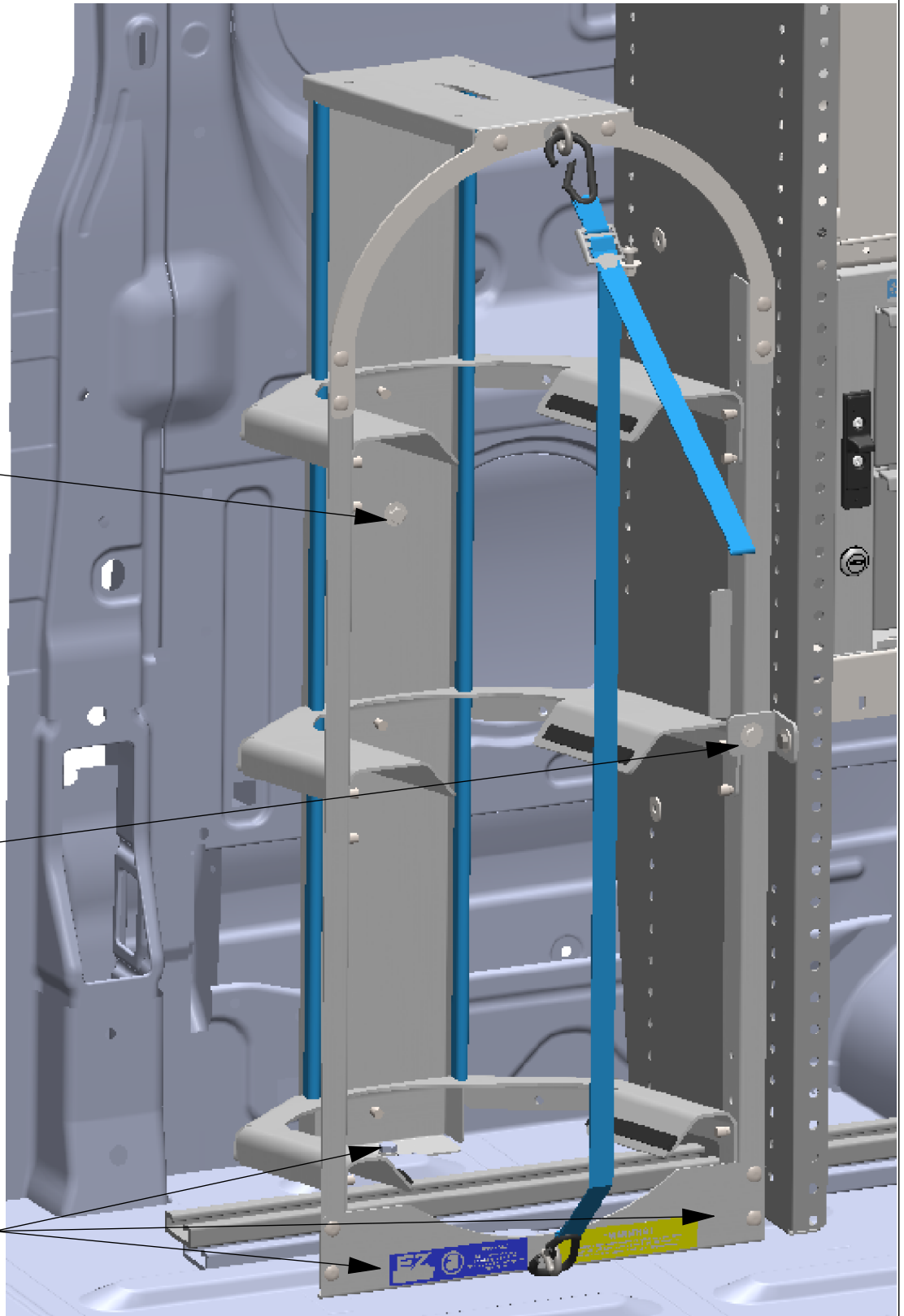
VEHICLE INSTALL SIDE DOOR FACING FORWARDS

VEHICLE INSTALL SIDE DOOR FACING INWARD

FAS0052 X 1
FAS0067 X 1
FAS0060 X 1
FAS0078 X 1

MB118
FAS0055 X2
FAS0067 X 2
FAS0078
FAS0063

3 PLACES
FAS0091 X1
FAS0092 X 1
FAS0086 X 1
FAS0098 X 1
USE SPACERS AS
REQUIRED



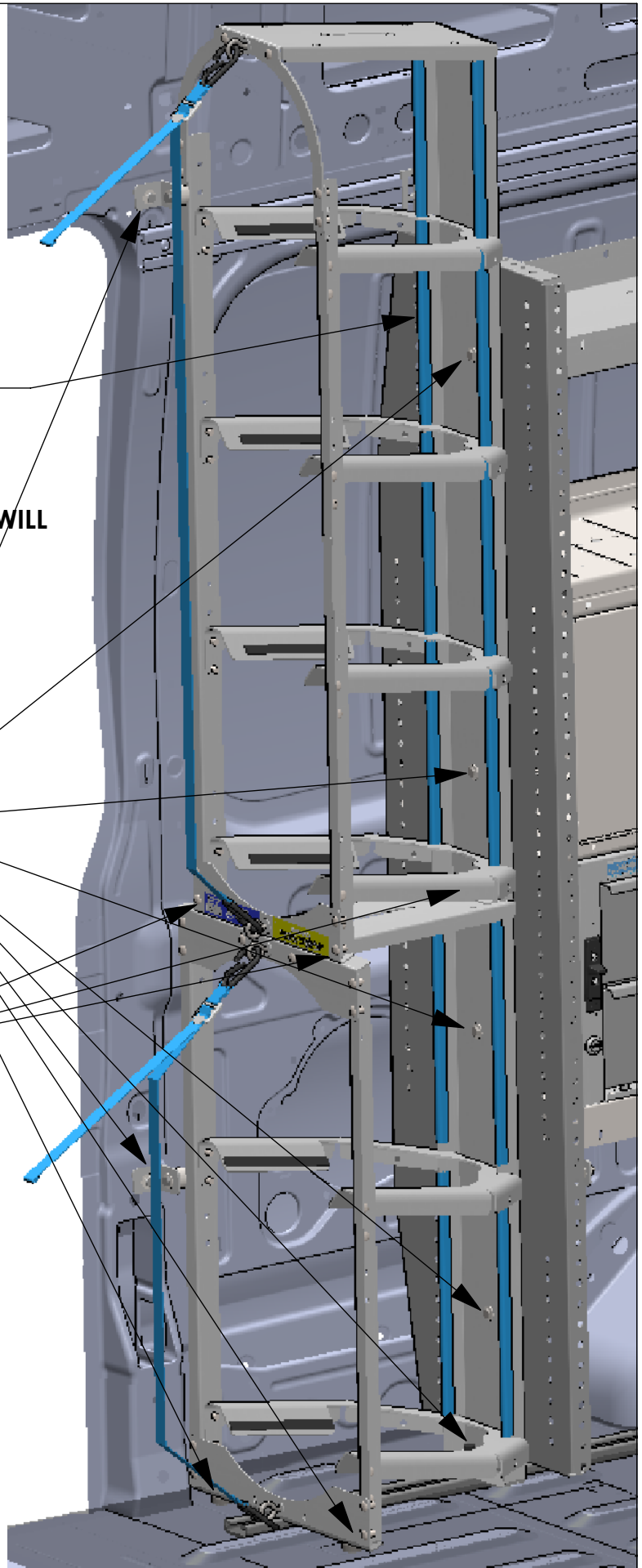
NOTE:

SHELF END PANEL MUST BE AT LEAST HALF THE HEIGHT OF THE SECOND STACKED TANK RACK IN ORDER TO STACK THEM. THIS GIVES PROPER SECURING & FASTENING ATTACHMENTS

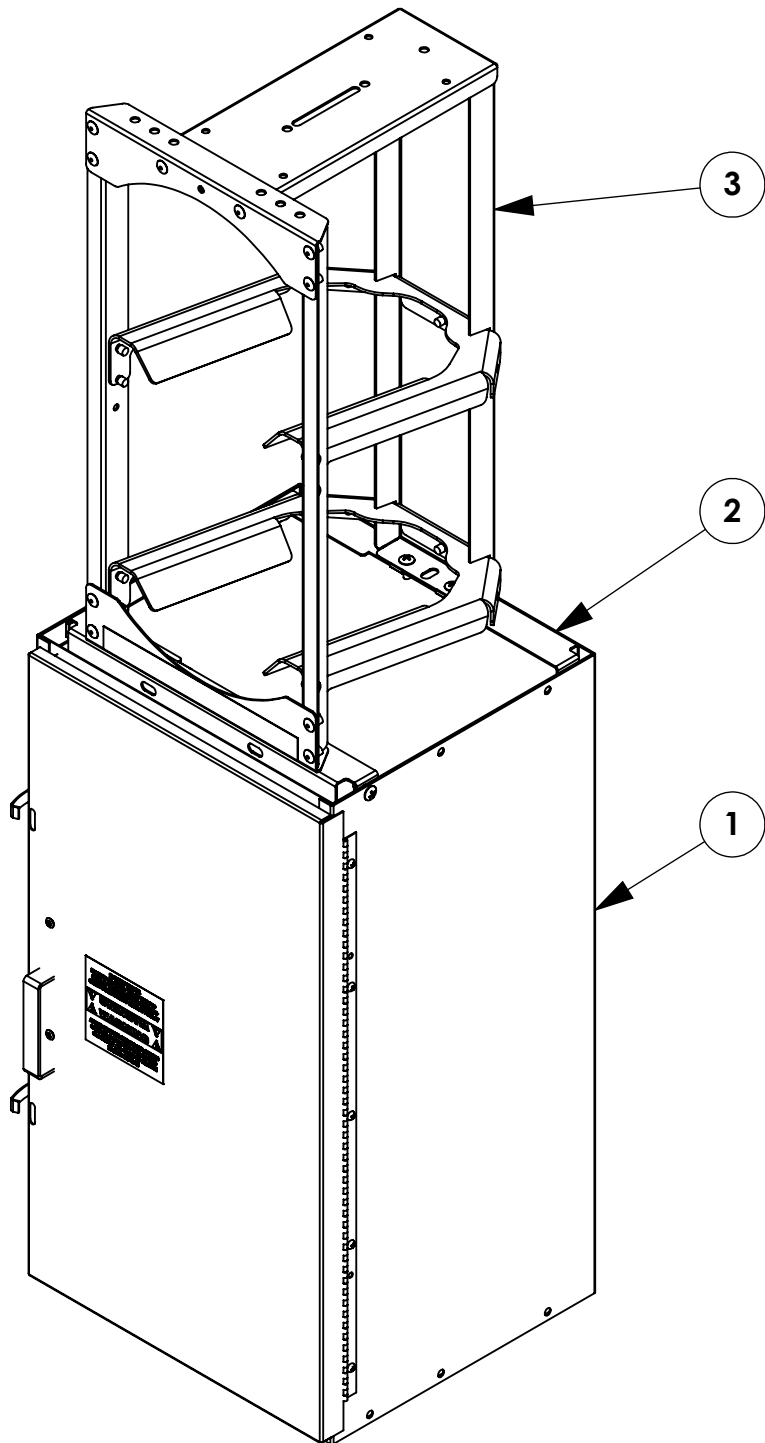
IF YOU WANT TO STACK THE RACKS YOU WILL ALSO NEED BAGSTEPRD

BE SURE TO INSTALL
HARDWARE BRACKETS &
FASTENING PER RACK. SEE
PAGES 7-10 FOR
INSTALLATION

BAGSTEPRD
FAS0438 X 3
FAS0440 X 3



<i>INSTR. NUMBER</i> : INS82552 <i>PART NUMBER</i> : MD538 <i>PART DESC.</i> • TANK CABINET & RACK <i>DESC.</i> • ASSM	<i>PG:</i> 1	<i>REV:</i> A	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
			1	TA21	CAB, OXY/ACETYLENE KIT	1
			2	82552	KIT, TANK RACK RISERS	1
			3	230TR	TANK RACK, 2-30 LB TANK	1



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.

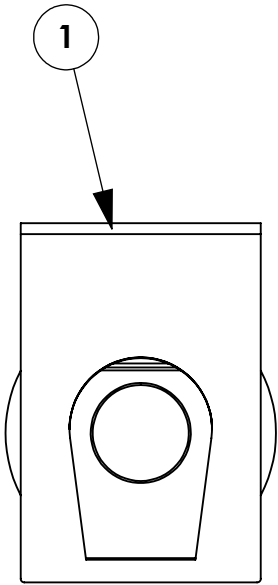
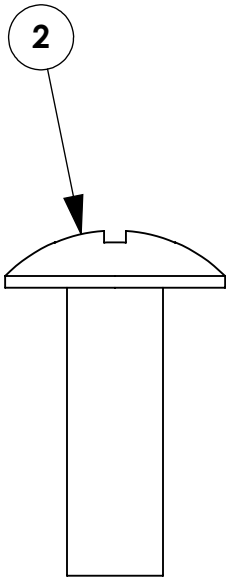
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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.

FASTENERS USED
BAG REFERENCE: BAG82552

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FAS1005	U-NUT,1/4-20, PHOSPHATE, .150 MAX MAT THK	8
2	FAS0062	SCREW,THP 1/4-20X.75 G5ZP	8

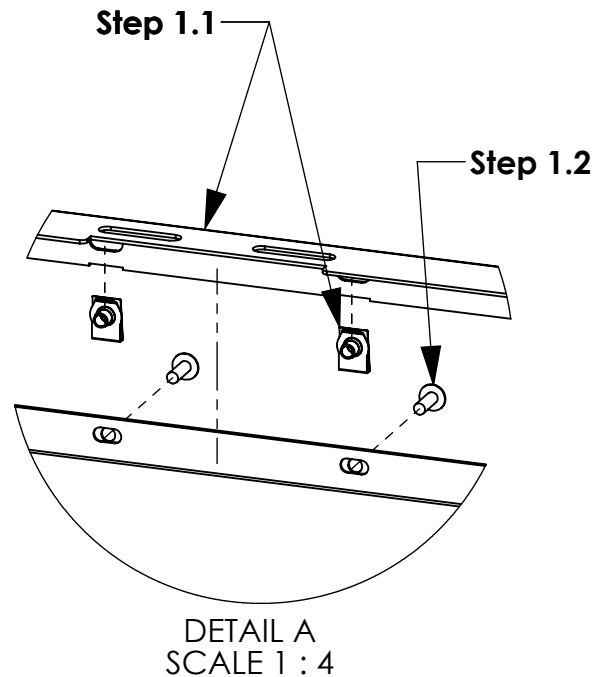
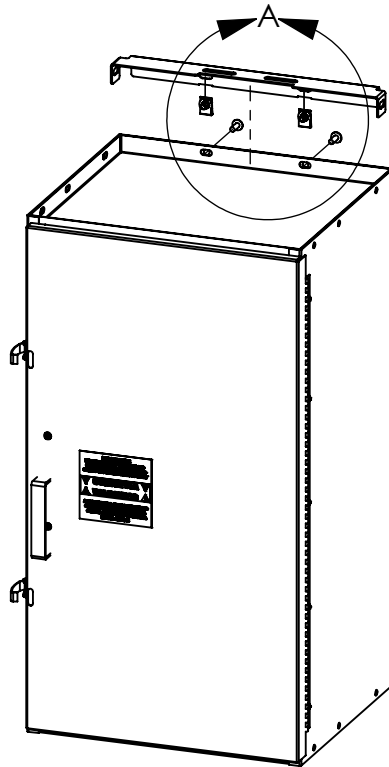


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STEP 1 - ATTACH FIRST RISER TO CABINET

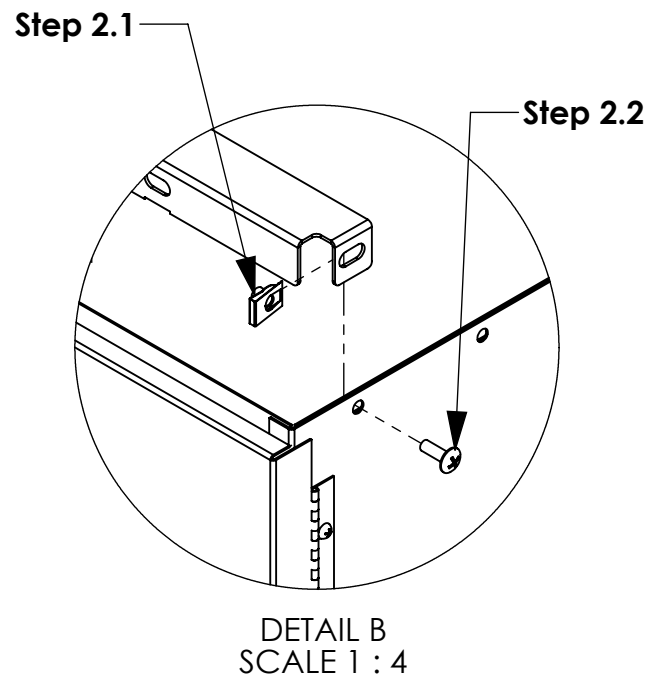
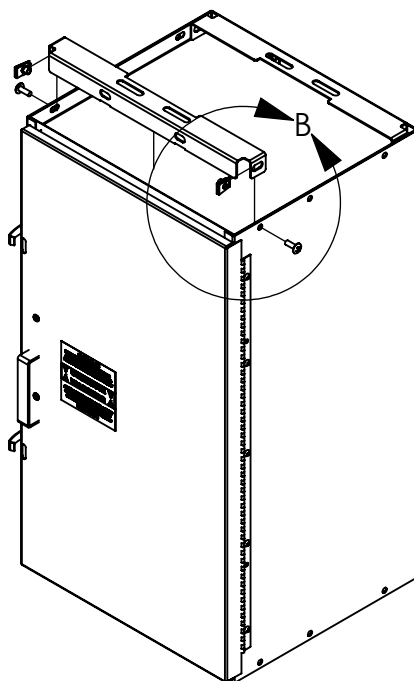
Step 1.1
Slide FAS1005 (x2) into slot cutouts on Riser. Ensure long side of fastener faces inward. Place Riser against cabinet flange.

Step 1.2
Insert FAS0062 (x2) from outside cabinet flange. FULLY TIGHTEN.

**STEP 2 - ATTACH SECOND RISER TO CABINET**

Step 2.1
Slide FAS1005 (x2) over holes in Riser side flanges. MATCH SLIDE DIRECTION AND ORIENTATION IN DETAIL VIEW. Place Riser lined up with cabinet holes closest to door.

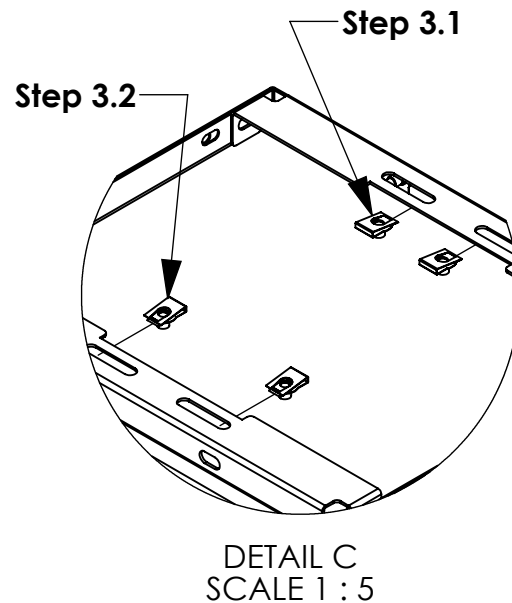
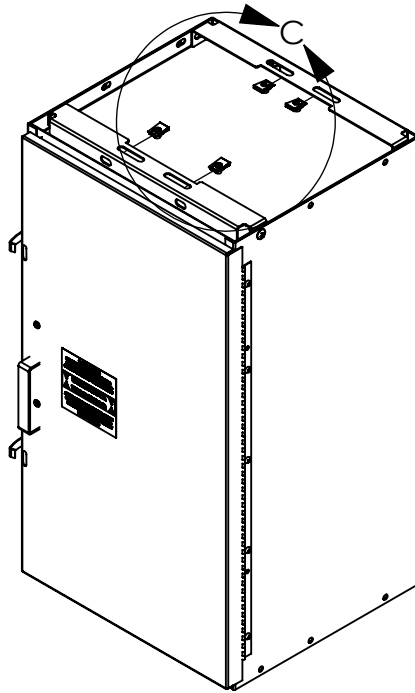
Step 2.2
Insert FAS0062 (x2) from outside cabinet flanges. DO NOT FULLY TIGHTEN.



STEP 3 - PREPARE RISERS FOR TANK RACK

Step 3.1
Slide FAS1005 (x2) over top slots on Riser opposite of cabinet door. These nuts sit on inner side of slots, close to each other. (SEE DETAIL C)

Step 3.2
Slide FAS1005 (x2) over top slots on Riser closest to cabinet door. These nuts sit on outer side of slots, far from each other. (SEE DETAIL C)

**STEP 4 - ATTACH TANK RACK TO RISERS**

Step 4.1
Place Tank Rack onto Risers. Insert FAS0062 (x4) into designated fastener holes. To make fasteners closest to door easiest, use holes closest to middle. FULLY TIGHTEN.

Step 4.2
FULLY TIGHTEN FASTENERS FROM STEP 2.

CHECK AND ENSURE ALL FASTENERS ARE FULLY TIGHTENED.

