



ADRIAN STEEL®

Cargo Management Solutions for Commercial Vehicles

RAIL KIT, PM HR 159X, DS

PRODUCT WEIGHT

9.14 LBS

VEHICLE

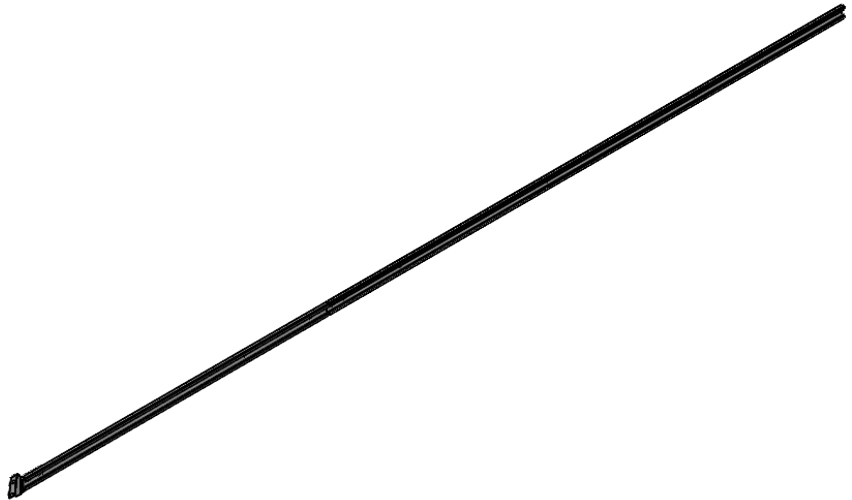
**Ram Promaster
ext. high roof
159" Wheel base**

CAPACITY

N/A

COLOR

GRAY



CATALOG NUMBER

ARKPMH159XDS

PRODUCT FEATURES

This product is designed for installation in the RAM Promaster Ext. High Roof 159" wheel base. It is optimized for use with the next generation shelving. The rail kits includes brackets that span the window cavities to support the AD mounting rail.

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



RAIL KIT, PM HR 159X, DS

CATALOG NUMBER **ARKPMH159XDS**

PRODUCT APPLICATION

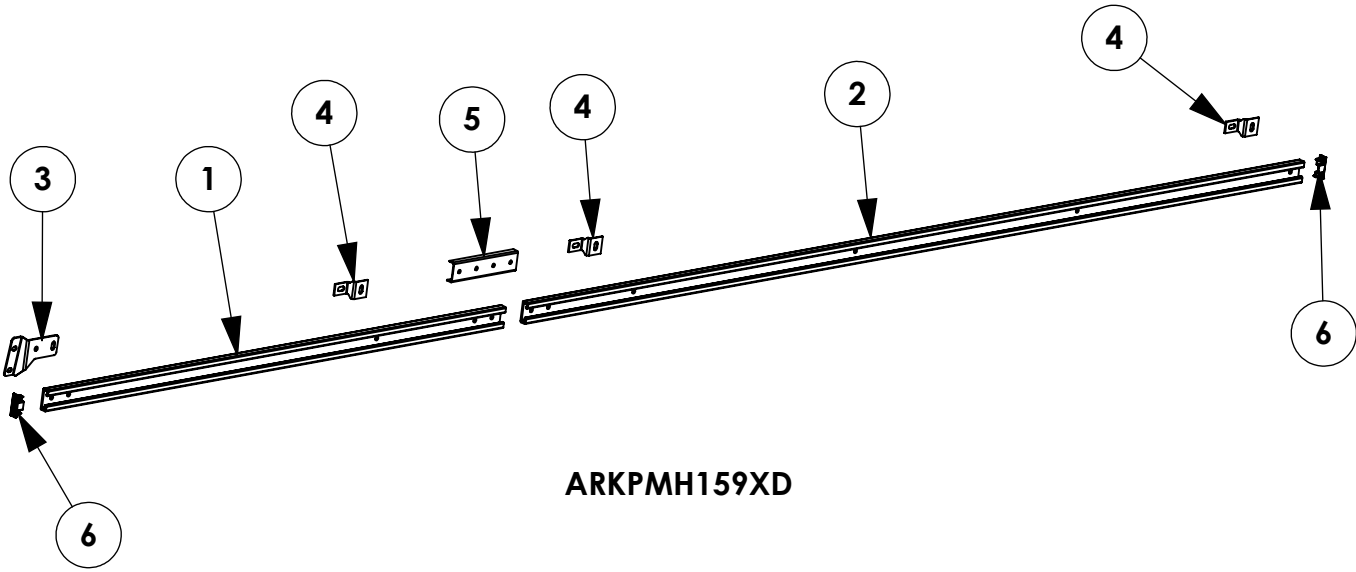
This product is design for installation in the RAM Promaster Ext. High Roof 159" wheel base. Optimized for use with the next generation shelving

All next generation shelving kits for promaster ext. high roof vans. See online fitment guide for full list of shelving units.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

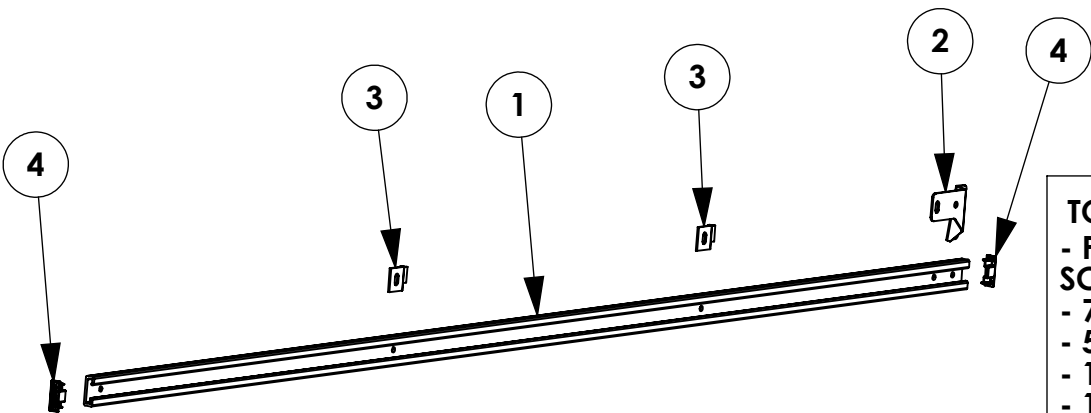
<i>CATALOG NUMBER</i>	<i>DESCRIPTION (smart)</i>
TDK	TIE DOWN SYSTEMS (1)

INSTR. NUMBER •INSARKPMH159X		PG: 1	REV: A	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER •ARKPMH159XDS •ARKPMH159XPS PART • RAIL KIT,PM 159X,DS DESC. • RAIL KIT,PM 159X,PS				1	45723	RAIL, 53.6" STRSD AD SERIES	1
				2	45719	RAIL, 91" STRSD AD SERIES	1
				3	45715-G	C-BRKT, SS, PROMASTER	1
				4	45718-G	RAIL MTG BRKT, PROMASTER	3
				5	45721-G	RAIL CONNECTING BRKT	1
				6	36496-0	END CAP, RAIL EXTR #2	2



ARKPMH159XD

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	45722	RAIL, 94" CRBSD AD SERIES	1
2	45716-G	C-BRKT, CS, PROMASTER	1
3	45718-G	RAIL MTG BRKT, PROMASTER	2
4	36496-0	END CAP, RAIL EXTR #2	2



ARKPMH159XP

- TOOLS NEEDED:**
- PHILPS HEAD SCREWDRIVER
 - 7/16 WRENCH
 - 5/16 ALLEN
 - 1/2 SOCKET
 - 1/2 DRILL STEP BIT
 - 1/2 DRILL STOP
 - 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 HARNESSES 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.

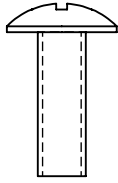
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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).

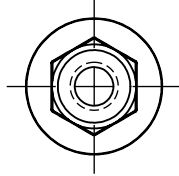
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS USED

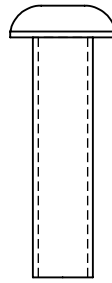
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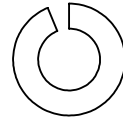
FAS0062
SCREW, THP,
1/4-20X.75, G5 ZP
QTY: 10



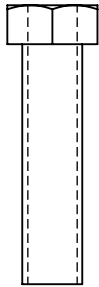
FAS0055
NUT, HEX NLK FLG,
1/4-20, ZP
QTY: 10



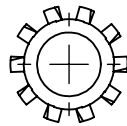
FAS0708
SCREW, BHCS,
5/16-18X1.25, ZN
QTY: 1



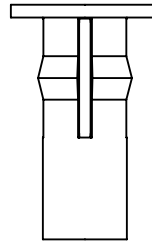
FAS0098
WASHER, LOCK, SPLIT
5/16, ZP
QTY: 6



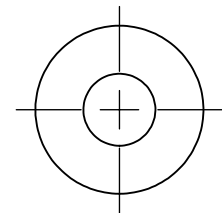
FAS0093
SCREW, HEX HD,
5/16-18X1.25
QTY: 6



FAS0085
WASHER, LCK EXT,
5/16, ZP
QTY: 1



FAS0091
PLUSNUT, 5/16
QTY: 7

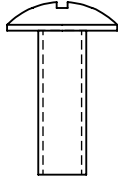


FAS0086
WASHER, FLAT USS
5/16, ZP
QTY: 6

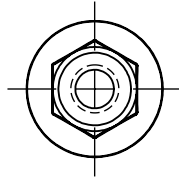
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FASTENERS USED

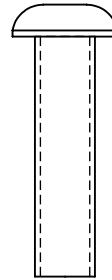
BAG REFERENCE: BAGARKPM159XP



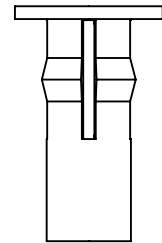
**FAS0062
SCREW, THP,
1/4-20X.75, G5 ZP
QTY: 4**



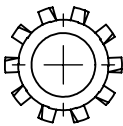
**FAS0055
NUT, HEX NLK FLG,
1/4-20, ZP
QTY: 4**



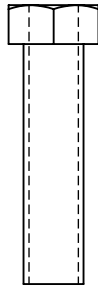
**FAS0708
SCREW, BHCS,
5/16-18X1.25, ZN
QTY: 1**



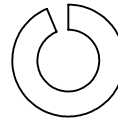
**FAS0091
PLUSNUT, 5/16
QTY: 5**



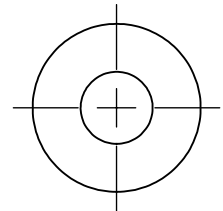
**FAS0085
WASHER, LCK EXT,
5/16, ZP
QTY: 1**



**FAS0093
SCREW, HEX HD,
5/16-18X1.25
QTY: 4**



**FAS0098
WASHER, LOCK, SPLIT
5/16, ZP
QTY: 4**



**FAS0086
WASHER, FLAT USS
5/16, ZP
QTY: 4**

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ARKPMH159XD - TO BE USE IN PROMASTER 159 EXT HIGH ROOF VAN

Step 1.1
PLACE RAILS
45723 & 45719
TOGETHER,
PLACE BRACKET
45721 BEHIND
THE RAILS AND
FULLY TIGHTEN
FAS0062 &
FAS0055 TO
SECURE ALL 3
TOGETHER.

7/16 WRENCH
PHILPS HEAD
SCREWDRIVER

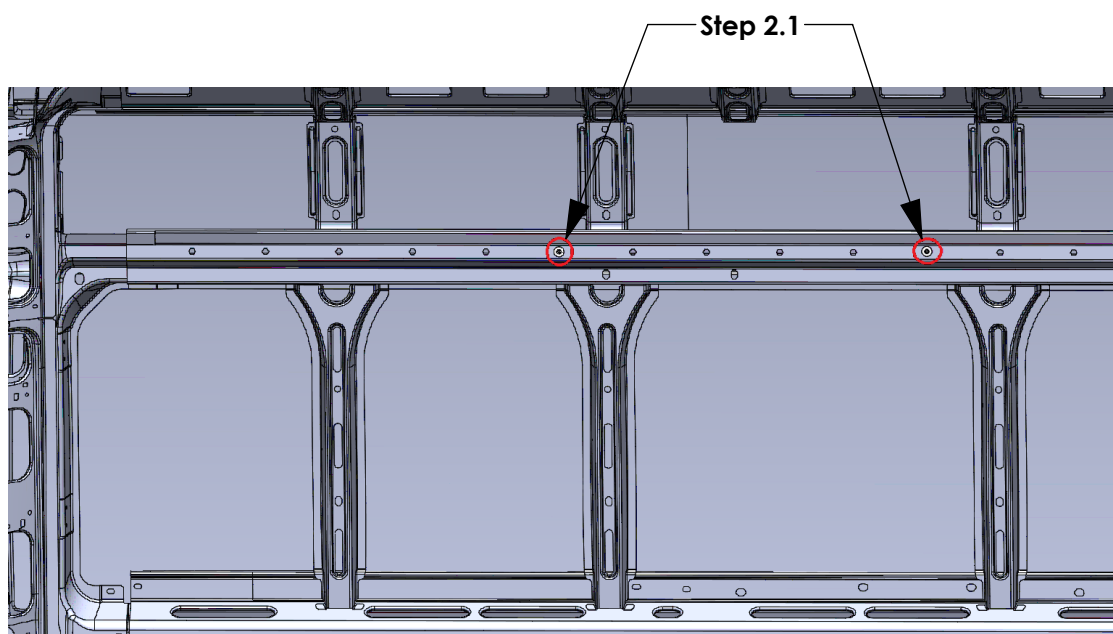
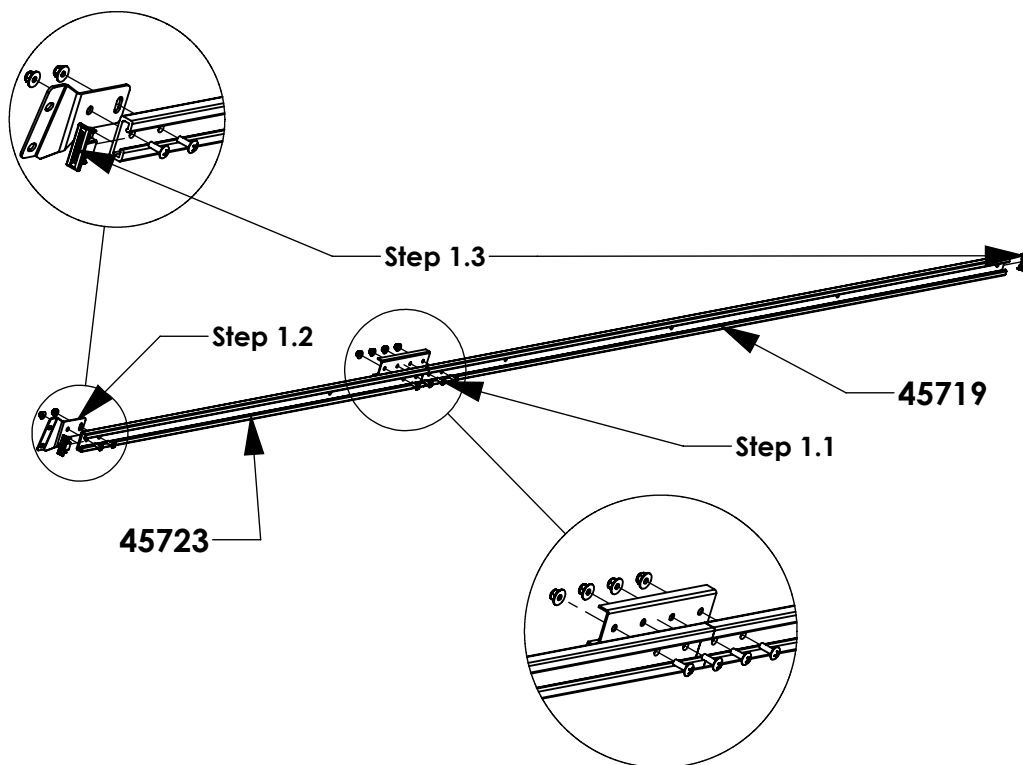
Step 1.2
PLACE BRACKET
45715-G AT END
OF 45723 AND
FULLY TIGHTEN
FAS0062 &
FAS0055 TO
SECURE 45715 TO
RAIL.

7/16 WRENCH
PHILPS HEAD
SCREWDRIVER

Step 1.3
PLACE (2) 3163-0
AT THE ENDS OF
RAIL KITS

Step 2.1
LOCATE OEM
HOLES SHOWN
TO BE OPENED UP
TO 1/2 DIA HOLE

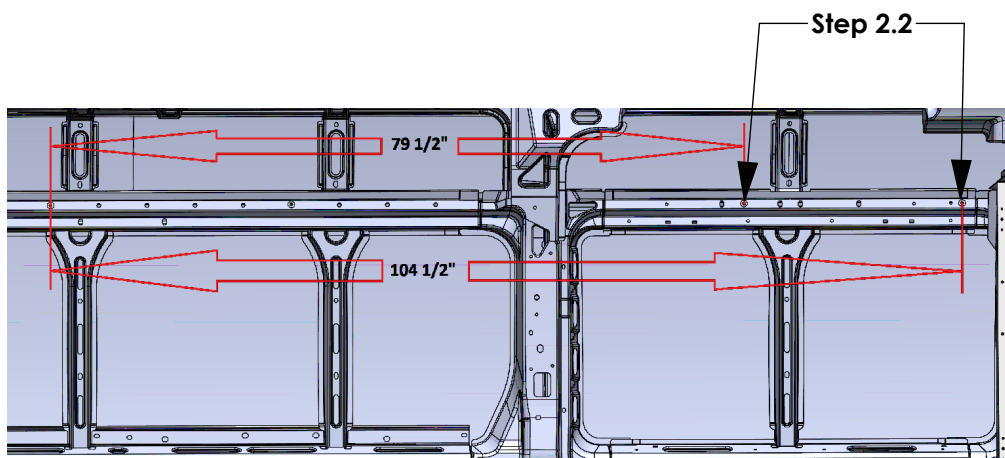
1/2 DRILL STEP BIT
DRILL STOP
DRILL



ARKPMH159XD - TO BE USE IN PROMASTER 159 HIGH ROOF VAN

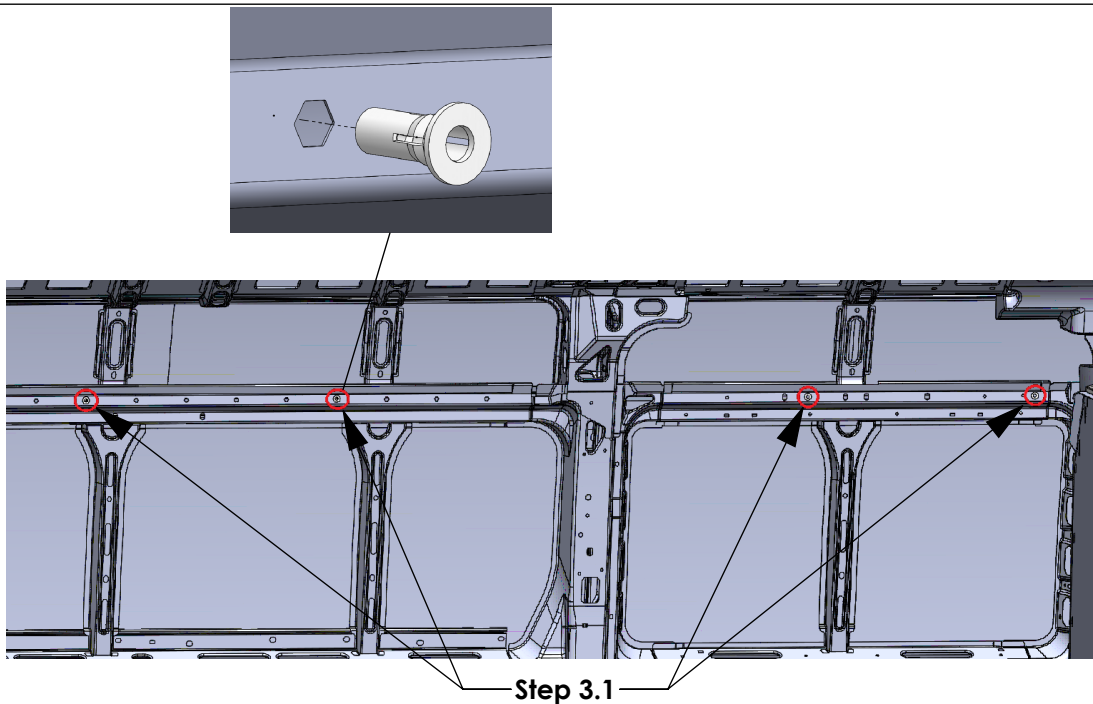
Step 2.2
USE
MEASUREMENTS
TO DRILL (2) 1/2
DIA HOLES FROM
OEM HOLES
FROM Step 2.1

1/2 DRILL STEP BIT
DRILL STOP
DRILL



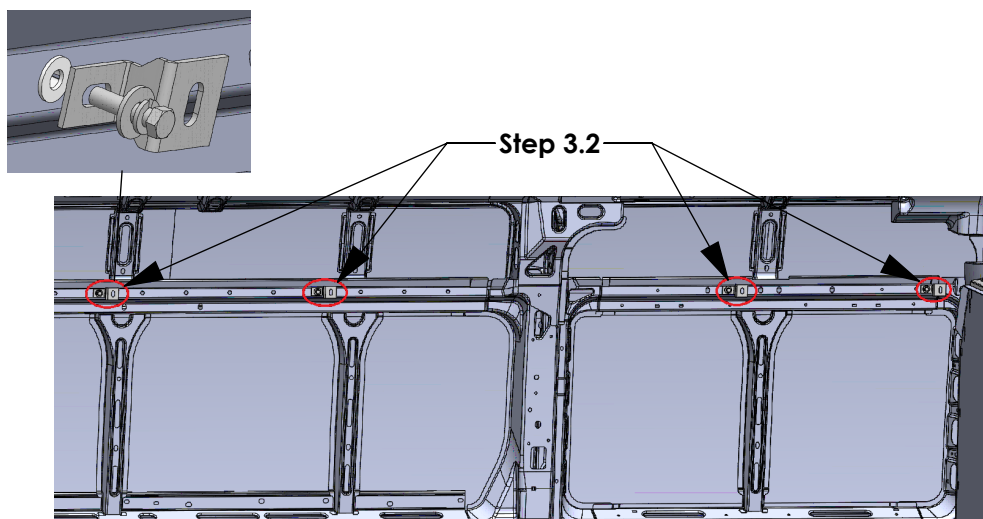
Step 3.1
AFTER HOLES
HAVE BEEN
DRILL, PLACE
FAS0091 INTO
HOLES AND USE
PLUSNUT TOOL
TO SECURE
THEM TO WALL

PLUSNUT TOOL



Step 3.2
PLACE 45718-G
BRACKETS WITH
PLUSNUTS,
LIGHTLY TIGHTEN
FAS0093,
FAS0098, &
FAS0086. KEEP
BRACKETS
PARALLEL WITH
FLOOR. FULLY
TIGHTEN AFTER
STEP 5.1

1/2 SOCKET
DRILL

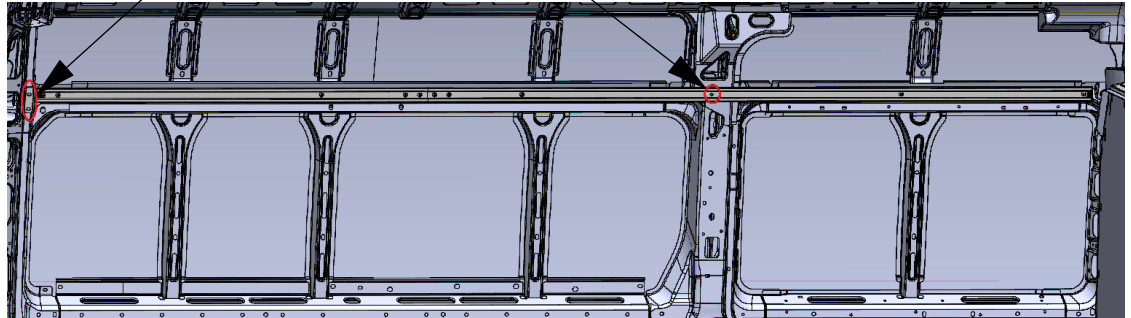


**ARKPMH159XD - TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

Step 4.1
PLACE
ASSEMBLED RAIL
KIT FROM Step 1.1
AGAINST THE
WALL. ALIGN
WITH INSTALLED
BRACKETS. MARK
HOLES SHOWN TO
DRILL 1/2 DIA
HOLES

1/2 DRILL STEP BIT
DRILL STOP
DRILL

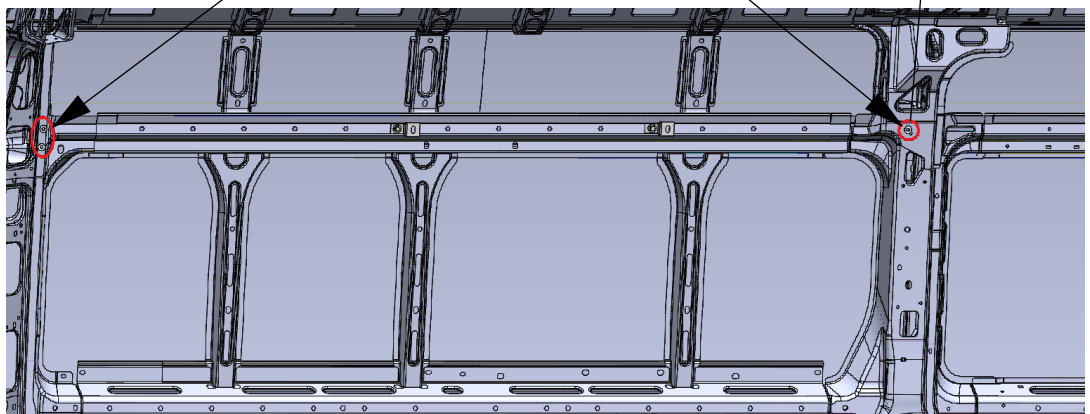
Step 4.1



Step 4.2
AFTER HOLES
HAVE BEEN
DRILLED, PLACE
FAS0091 INTO
HOLES AND USE
PLUSNUT TO
SECURE TO
WALL

PLUSNUT TOOL

Step 4.2



**ARKPMH159XD TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

Step 5.1
RETURN RAIL KIT,
FULLY TIGHTEN
FAS0062 &
FAS0055 TO
SECURE RAIL TO
BRACKETS

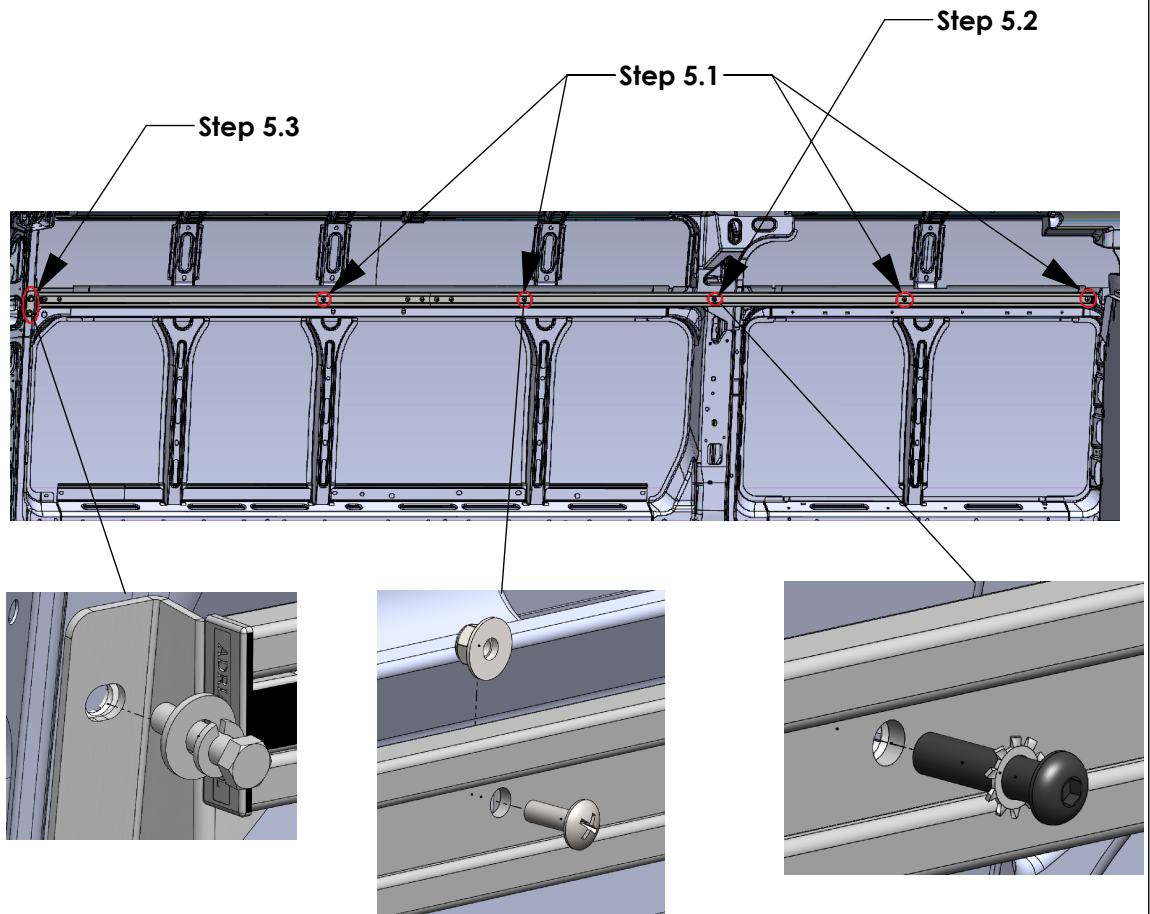
7/16 WRENCH
PHILP HEAD
SCREW DRIVER

Step 5.2
FULLY TIGHTEN
FAS0708 &
FAS0085
ALIGNED WITH
FAS0091

3/16 ALLEN

Step 5.3
FULLY TIGHTEN
FAS0093,
FAS0098, &
FAS0086 TO
BRACKET ON D-
PILLAR

1/2 SOCKET
DRILL

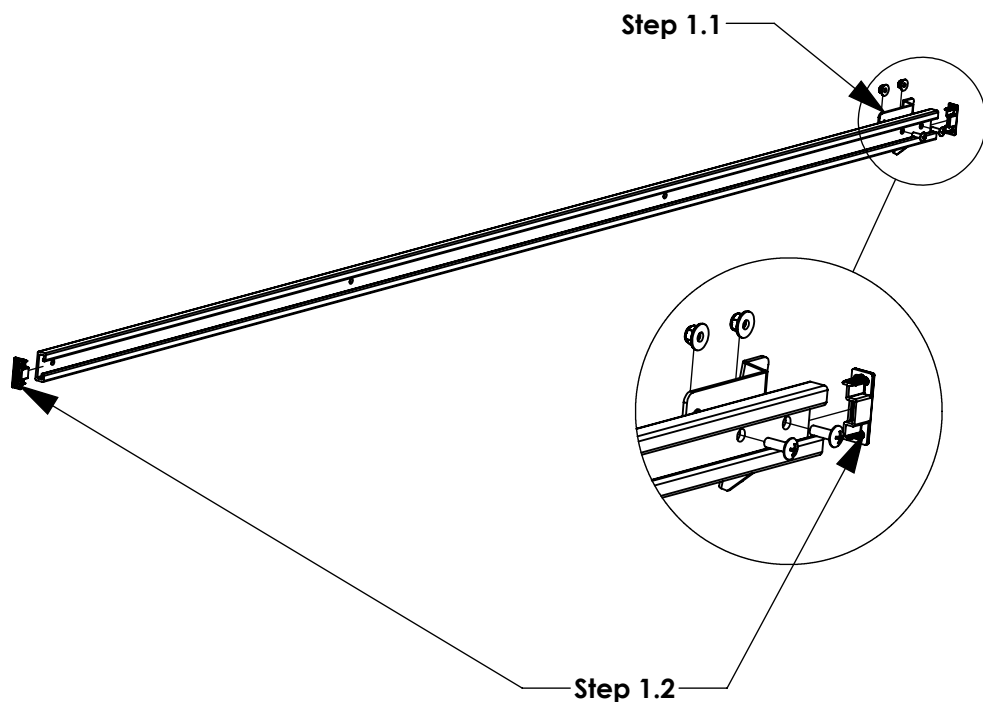


**ARKPMH159XP - TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

Step 1.1
PLACE BRACKET
45716-G AT END
OF 45722 RAIL
AND FULLY
TIGHTEN FAS0062
& FAS0055 TO
SECURE 45715 TO
RAIL.

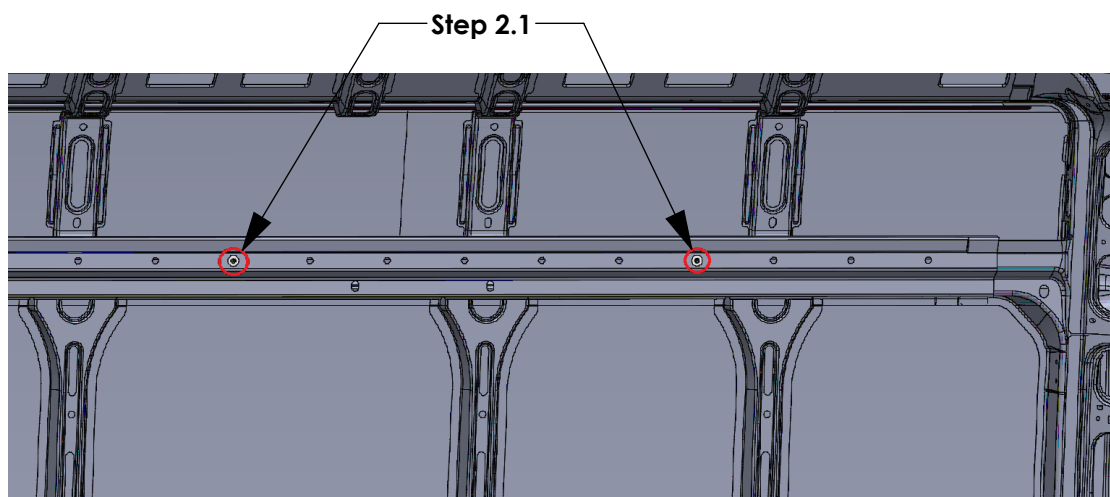
7/16 WRENCH
PHILPS HEAD
SCREWDRIVER

Step 1.2
PLACE (2) 3163-0
AT THE ENDS OF
RAIL KITS



Step 2.1
LOCATE OEM
HOLES SHOWN
TO BE OPENED UP
TO 1/2 DIA HOLE

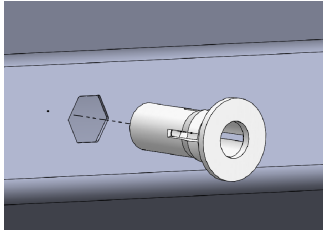
1/2 DRILL STEP BIT
DRILL STOP
DRILL



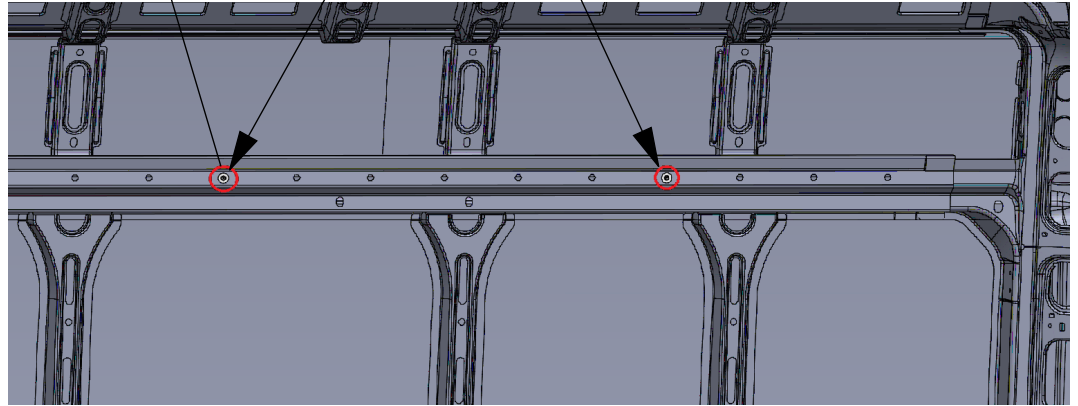
**ARKPMH159XP - TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

Step 2.1
AFTER HOLES
HAVE BEEN
DRILL, PLACE
FAS0091 INTO
HOLES AND USE
PLUSNUT TOOL
TO SECURE
THEM TO WALL

PLUSNUT TOOL

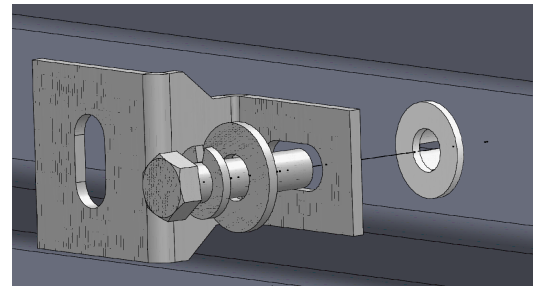


Step 2.2

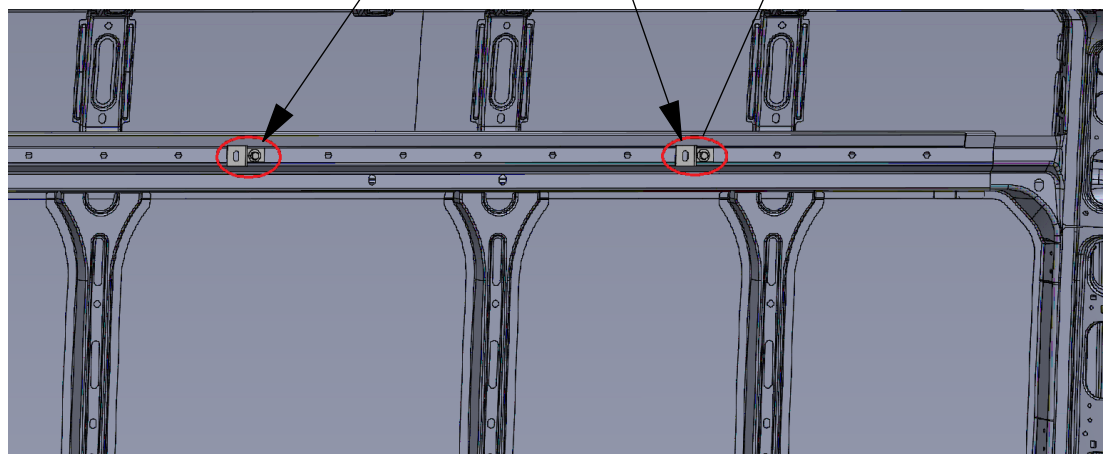


Step 3.1
PLACE 45718-G
BRACKETS WITH
PLUSNUTS,
LIGHTLY TIGHTEN
FAS0093,
FAS0098, &
FAS0086. KEEP
BRACKETS
PARALLEL WITH
FLOOR. FULLY
TIGHTEN AFTER
STEP 5.1

1/2 SOCKET
DRILL



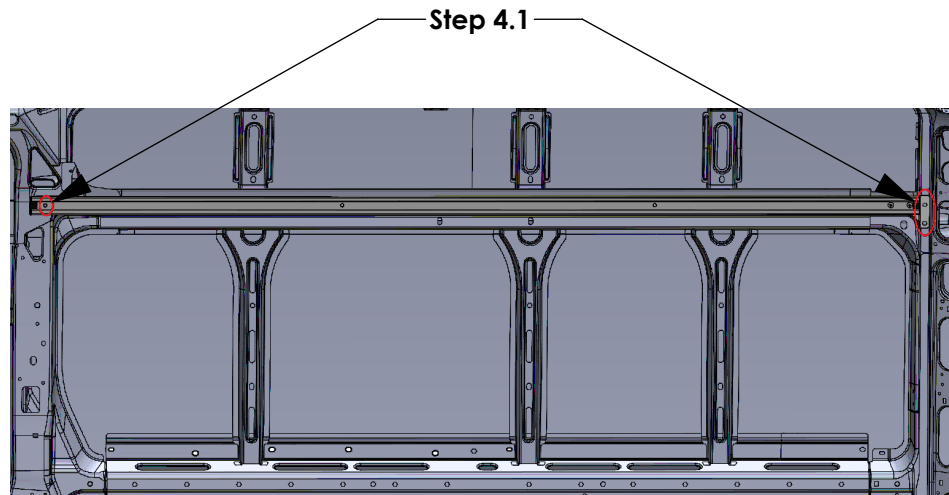
Step 3.1



**ARKPMH159XP - TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

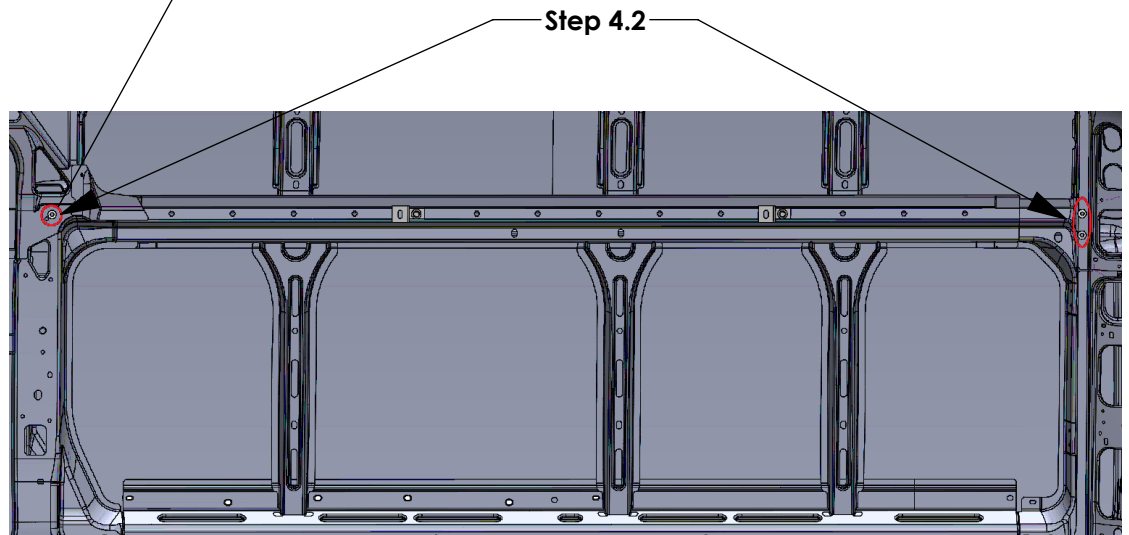
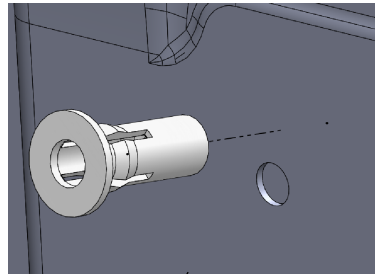
Step 4.1
PLACE
ASSEMBLED RAIL
KIT FROM Step 1.1
AGAINST THE
WALL. ALIGN
WITH INSTALLED
BRACKETS. MARK
HOLES SHOWN TO
DRILL 1/2 DIA
HOLES

1/2 DRILL STEP BIT
DRILL STOP
DRILL



Step 4.2
AFTER HOLES
HAVE BEEN
DRILLED, PLACE
FAS0091 INTO
HOLES AND USE
PLUSNUT TO
SECURE TO
WALL

PLUSNUT TOOL



**ARKPMH159XP - TO BE USE IN PROMASTER 159 HIGH
ROOF VAN**

Step 5.1
RETURN RAIL KIT,
FULLY TIGHTEN
FAS0062 &
FAS0055 TO
SECURE RAIL TO
BRACKETS

7/16 WRENCH
PHILP HEAD
SCREW DRIVER

Step 5.2
FULLY TIGHTEN
FAS0708 &
FAS0085
ALIGNED WITH
FAS0091

3/16 ALLEN

Step 5.3
FULLY TIGHTEN
FAS0093,
FAS0098, &
FAS0086 TO
BRACKET ON D-
PILLAR

1/2 SOCKET
DRILL

