

**PRODUCT WEIGHT**  
**120 LBS**

**WIDTH x DEPTH x HEIGHT**  
**50" x 17" x 63.5"**

**CAPACITY**  
**125 LBS PER 16" SHELF**  
**75 LBS PER 13" SHELF**

**COLOR**

**GRAY**

**CATALOG NUMBER**

**HD-1650HRC**

**PRODUCT FEATURES**

HD series shelving units have solid end panels and 2" lipped shelves that can be installed with lips "up" or lips "down". Use lips up for cargo retention and lips down for installation of drawer unit accessories. The shelving units mount directly to the floor of the van for maximum weight distribution and directly to the AD rail at the top of the end panel for maximum vehicle securement. No additional mounting brackets are necessary. These shelving units are designed for the Ford Transit Medium and High roof vans, the Mercedes Sprinter High roof vans, and Ram Promaster Standard and High roof vans. The cutouts at the bottom of the end panels allow for a conduit tray to be installed under the shelving for maximum space utilization.

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



**CATALOG NUMBER      HD-1660HRC**

***PRODUCT APPLICATION***

**This product is designed to be installed using an upper AD rail kit in high roof vans.**

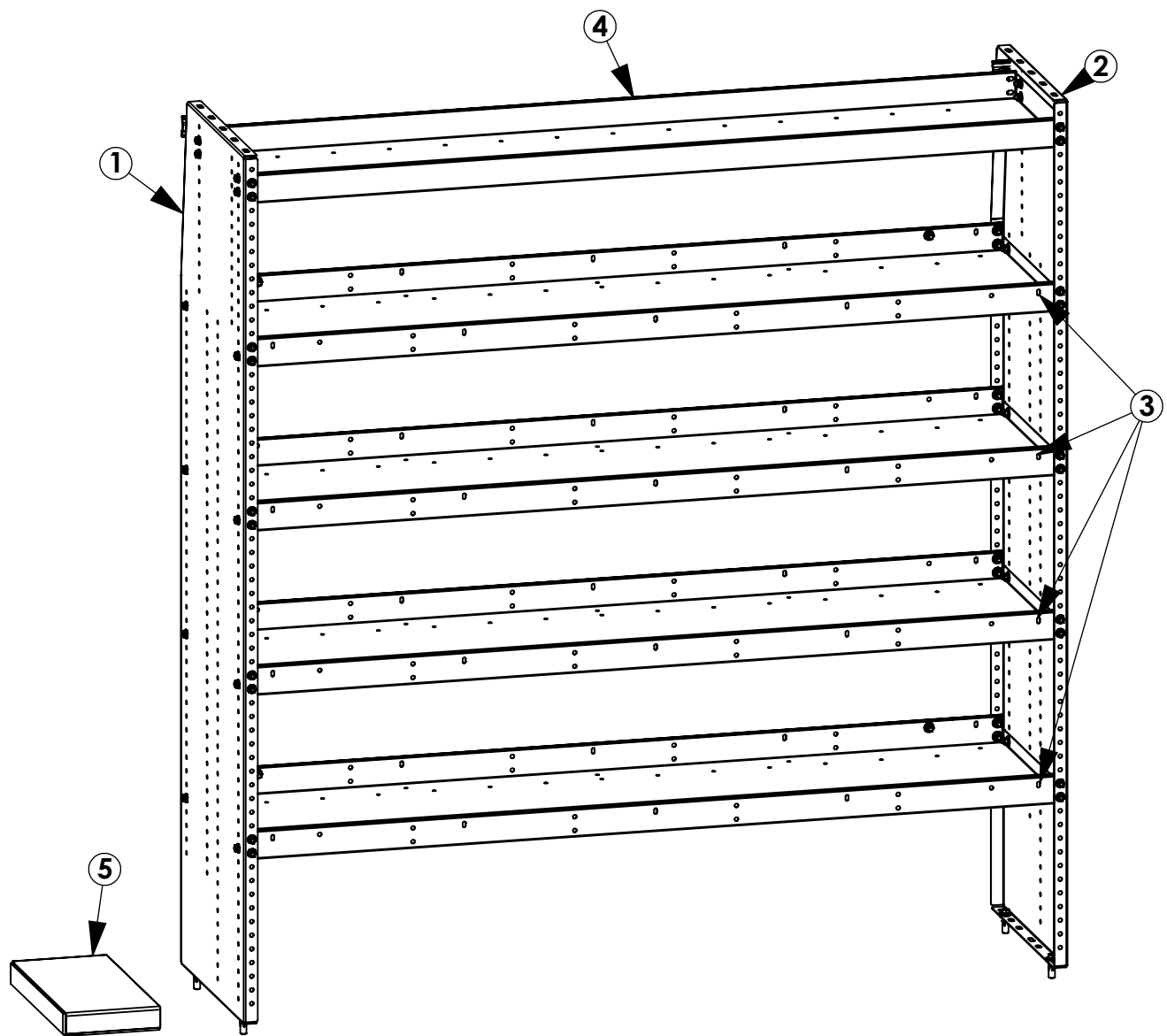
***ACCESSORIES THAT WILL WORK WITH THIS PRODUCT***

<b>CATALOG NUMBER</b>	<b>DESCRIPTION</b>
DV16	DIVIDER, 16" HD SHELF
DV13	13 INCH DIVIDER, GRAY
35319-G	BACK PANEL 50", GRAY
80-FSV	16 INCH SHELVING CONDUIT
DK4808	8" DOOR KIT
DK4810	10" DOOR KIT

***SPECIAL APPLICATION NOTES***

INSTR. NUMBER : <b>66861</b>	PG: <b>1</b>	REV: <b>A</b>	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER : <b>HD-1660HR</b>			1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
			2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
PART • KD UNIT 16X60X63 DESC. • FTMH/SPR			3	SF21660X-G	SHELF, STD, 2X16X60, GRAY	4
			4	SF21360X-G	SHELF, STD, 2X13X60, GRAY	1
			5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**THIS INSTRUCTION IS FOR ALL SHELVING VARIATIONS OF THE HIGH ROOF 16" DEEP SHELVING. THIS INCLUDES 60" (SHOWN BELOW), 50", 44", AND 32". ADDITIONALLY, THIS INSTRUCTION COVERS THE INSTALLATION OF THE CONDUIT CARRIER VARIATION OF THE SHELVING. THE INSTALLATION OF THESE SHELVES IS NOT DEPENDANT ON THE SHELF LENGTH OR IF THE END PANELS HAVE THE CONDUIT CARRIER ACCESS HOLE. SEE PAGE 3 FOR A BREAKDOWN OF THE OTHER SHELVING UNITS.**



**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.

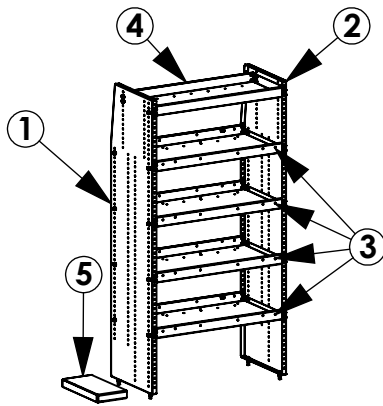
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**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).

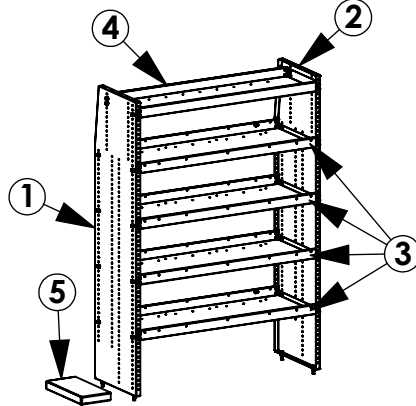
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

**ADDITIONAL SHELVING OPTIONS****HD-1632HR**

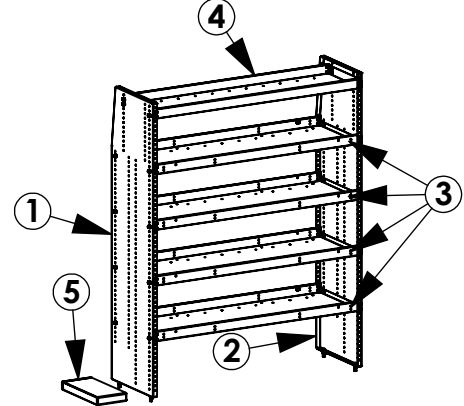
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1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21632X-G	SHELF, STD, 2X16X32, GRAY	4
4	SF21332X-G	SHELF, STD, 2X13X32, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1644HR**

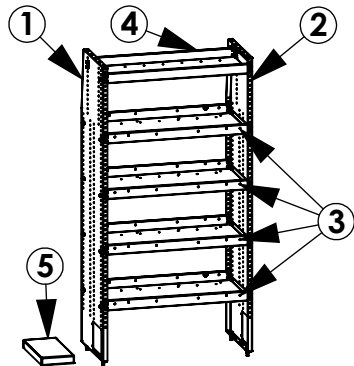
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21644X-G	SHELF, STD, 2X16X44, GRAY	4
4	SF21344X-G	SHELF, STD, 2X13X44, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1650HR**

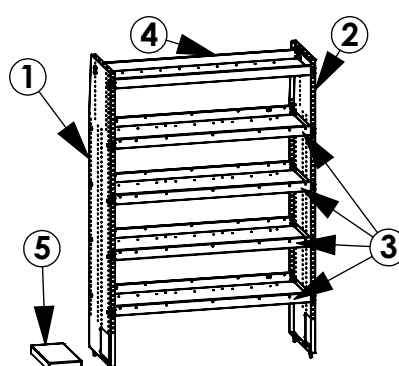
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21650X-G	SHELF, STD, 2X16X50, GRAY	4
4	SF21350X-G	SHELF, STD, 2X13X50, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1632HRC**

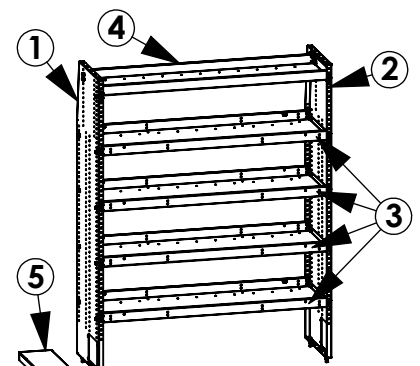
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21632X-G	SHELF, STD, 2X16X32, GRAY	4
4	SF21332X-G	SHELF, STD, 2X13X32, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1644HRC**

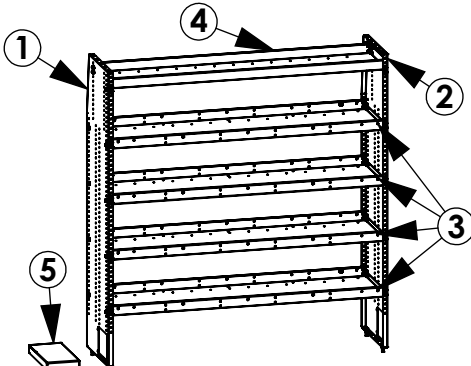
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21644X-G	SHELF, STD, 2X16X44, GRAY	4
4	SF21344X-G	SHELF, STD, 2X13X44, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

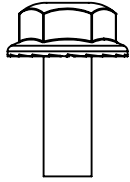
**HD-1650HRC**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21650X-G	SHELF, STD, 2X16X50, GRAY	4
4	SF21350X-G	SHELF, STD, 2X13X50, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

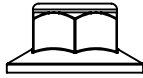
**HD-1660HRC**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21660X-G	SHELF, STD, 2X16X60, GRAY	4
4	SF21360X-G	SHELF, STD, 2X13X60, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

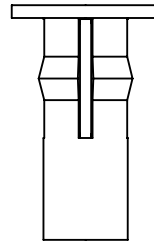


**FASTENERS USED**

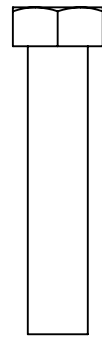
FAS0018  
SCREW,HFLNG 1/4-20X.62  
QTY: 68



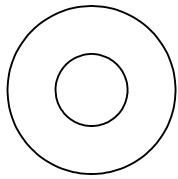
FAS0055  
NUT,HEX NLK FLG 1/4-20  
QTY: 68



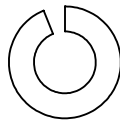
FAS0091  
PLUSNUT,5/16-18  
QTY: 04



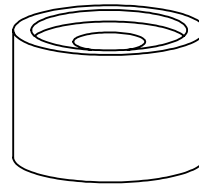
FAS0092  
SCREW,HH 5/16-18X1.5  
QTY: 04



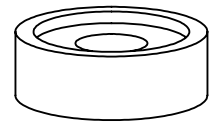
FAS0086  
WASHER,FLAT USS 5/16  
BAG QTY: 04  
RAIL KIT QTY: 02



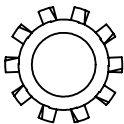
FAS0098  
WASHER,LCK SPLIT 5/16  
QTY: 04



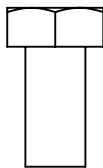
03927-2  
SPACER, 11/16"  
QTY: 04



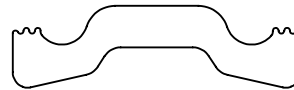
03927-1  
PACER, 11/32"  
QTY: 04

**INCLUDED IN VEHICLE RAIL KIT**

FAS0085  
WASHER,LCK EXT 5/16  
QTY: 02



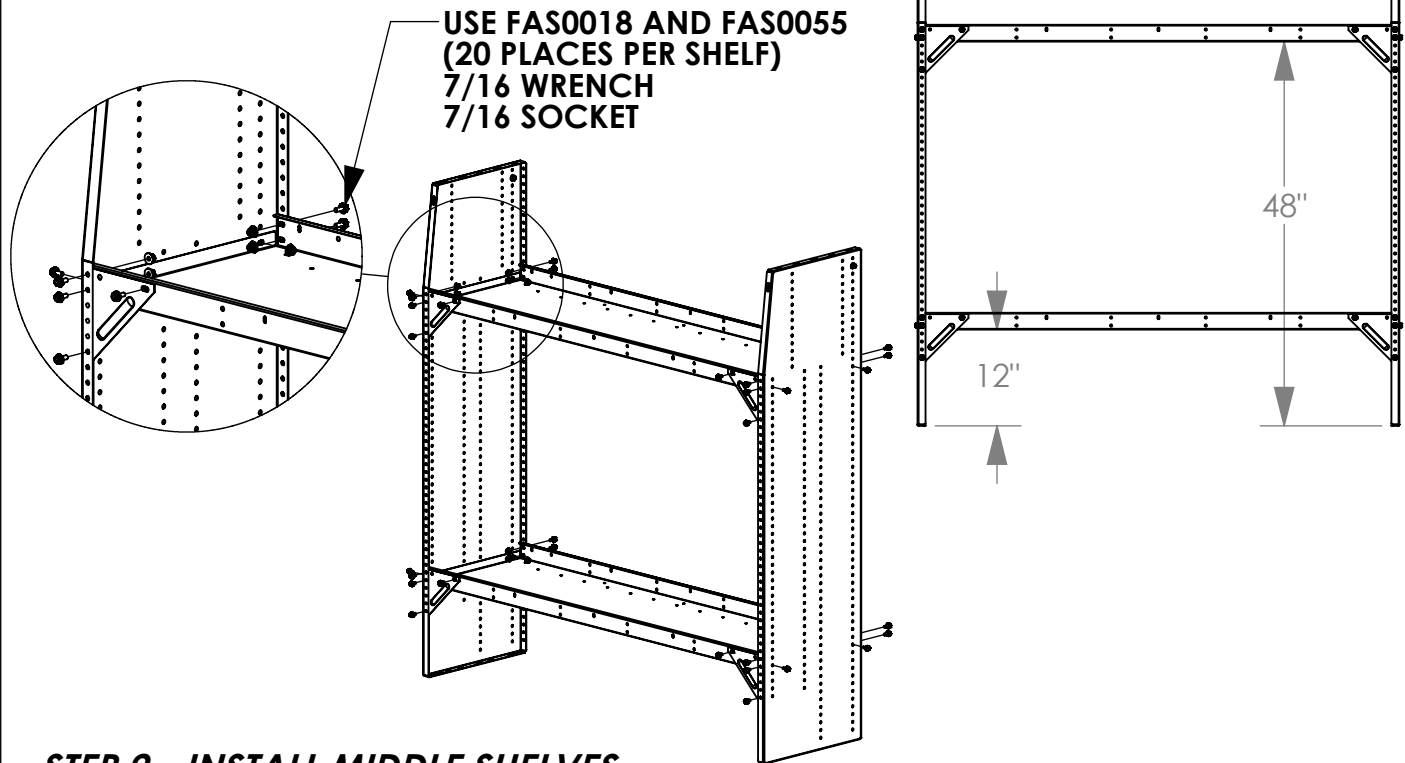
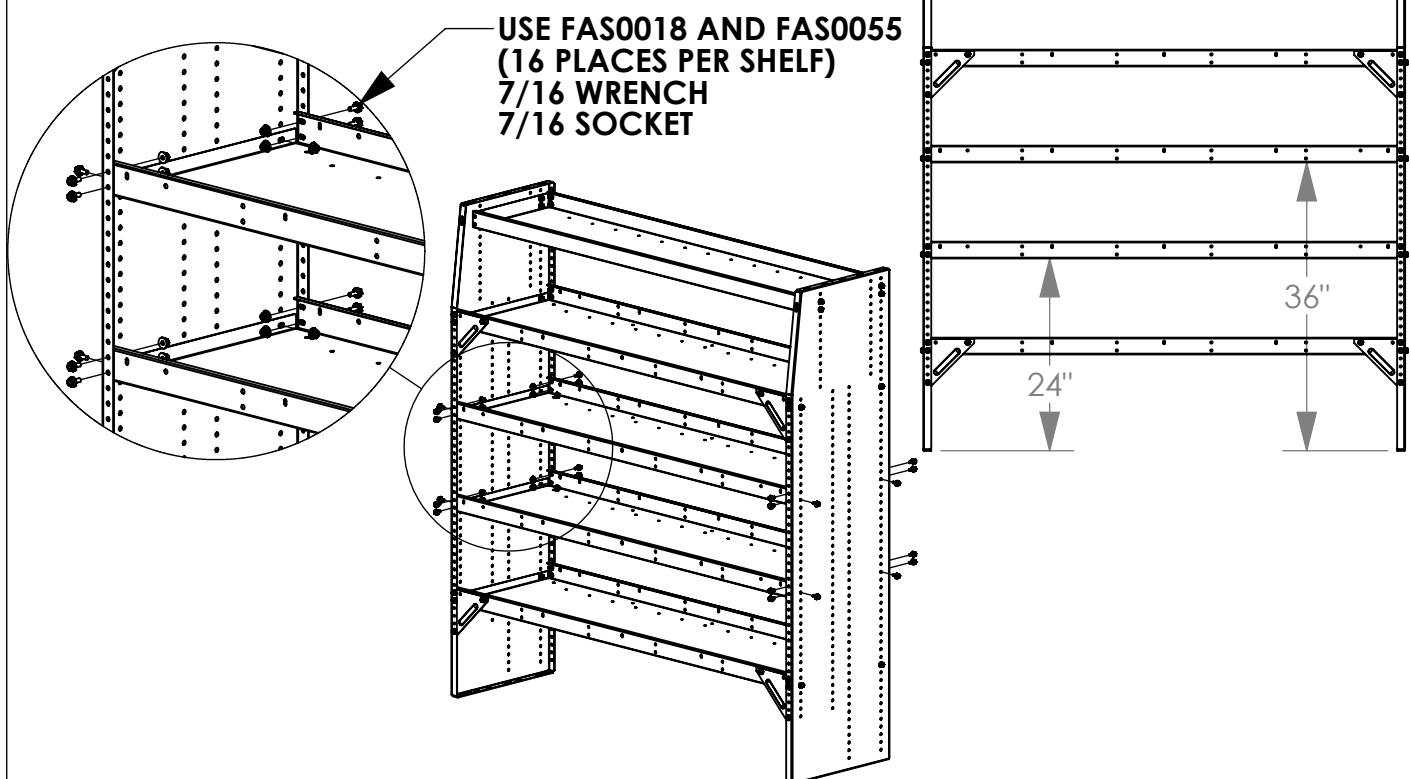
FAS0165  
SCREW,HH 5/16-18X.62  
QTY: 02

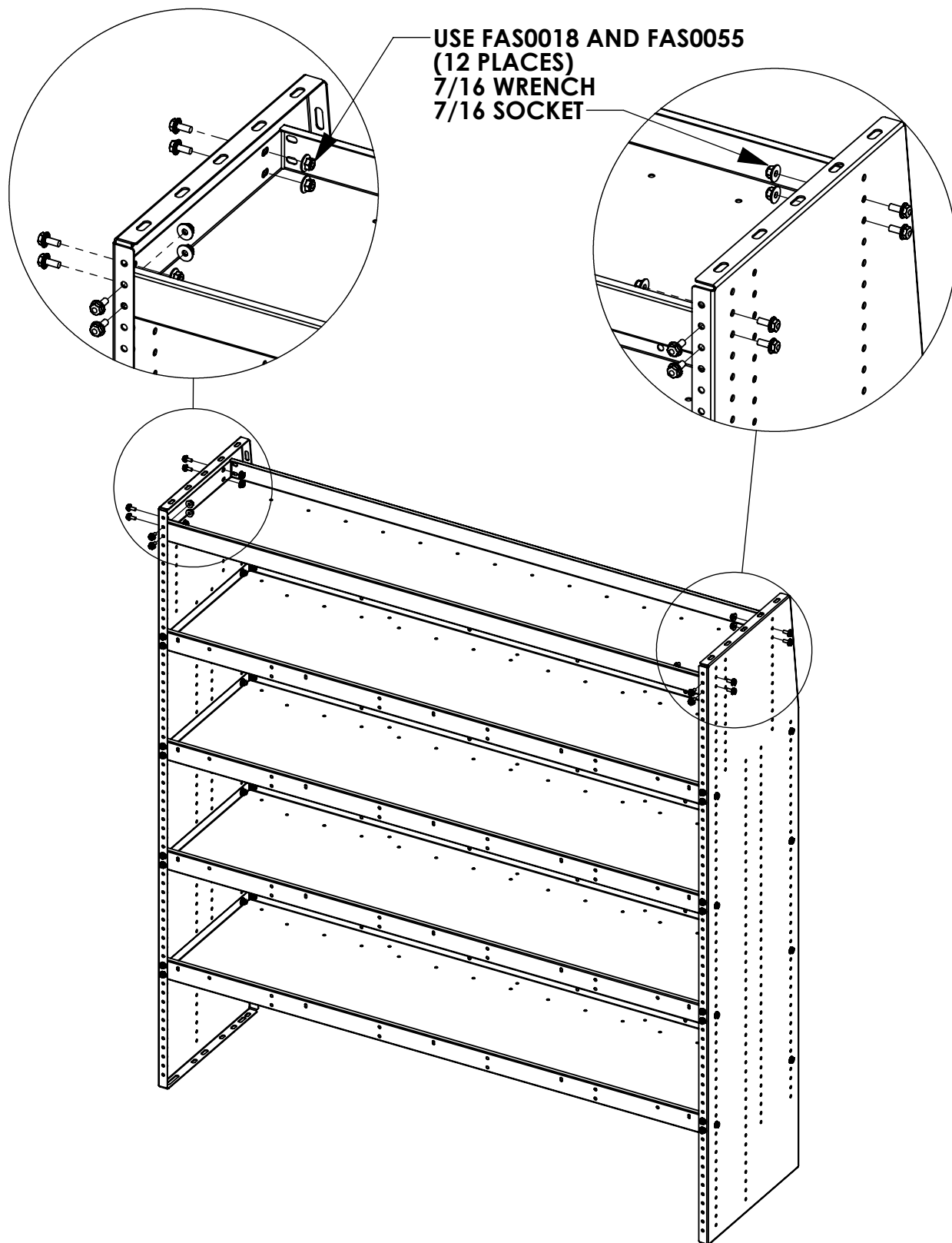


35335-0  
SLIDE,1.5"/ AD RAIL  
QTY: 02

**BEGIN ASSEMBLY****STEP 1 - INSTALL SHELVES WITH GUSSETS**

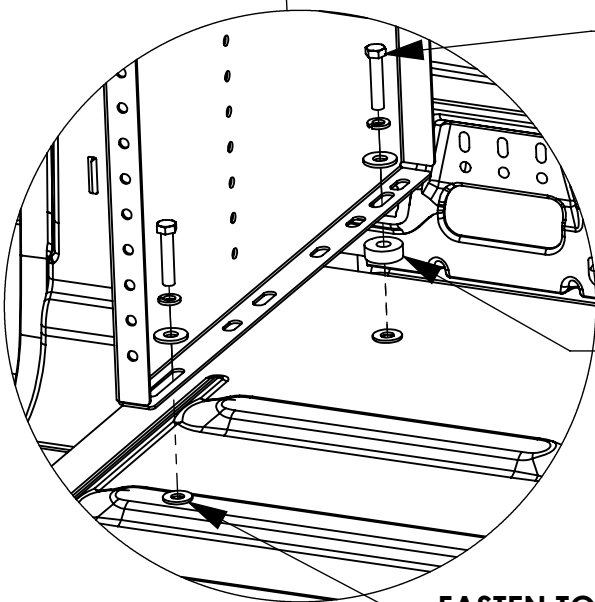
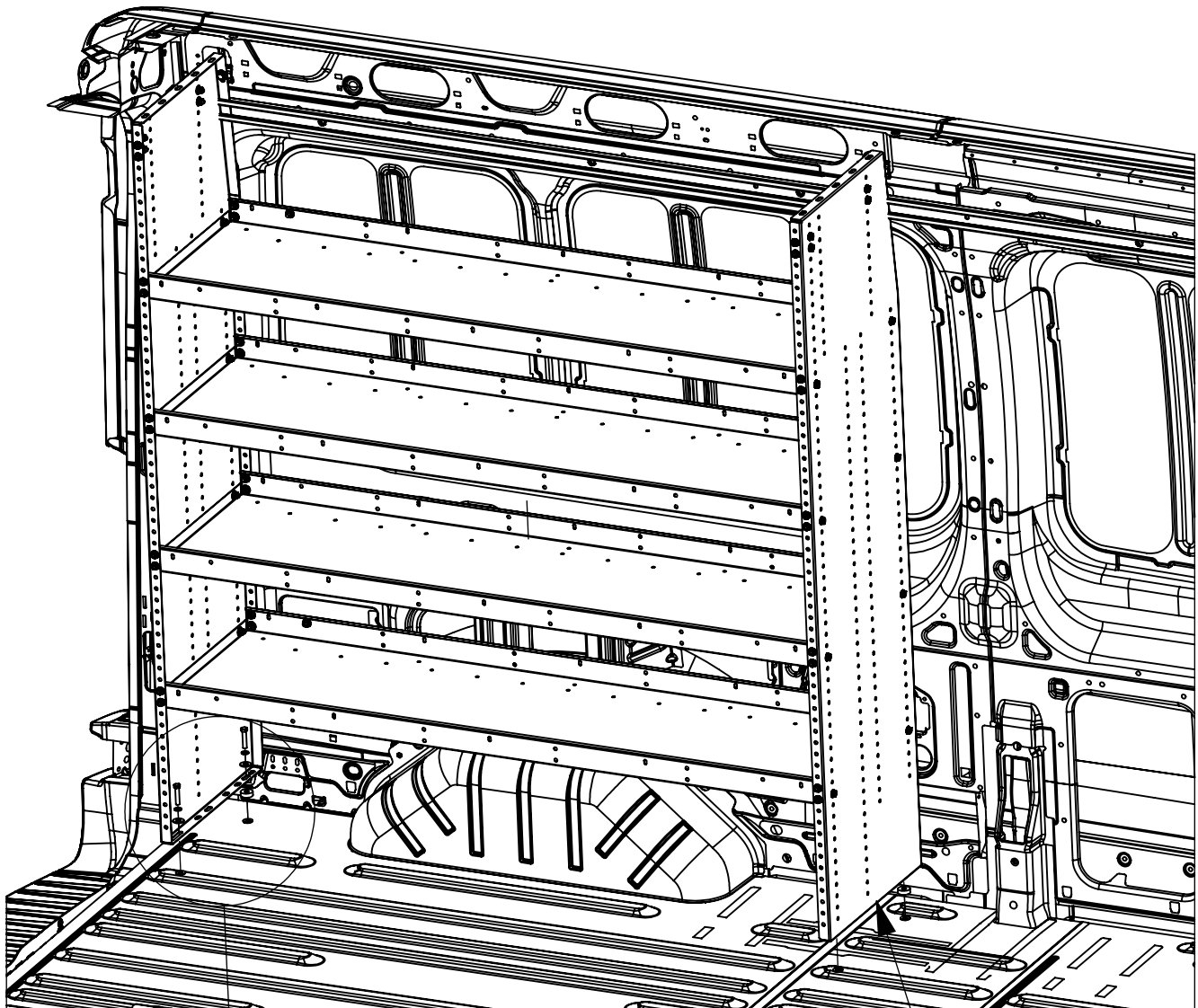
**NOTE: THIS IS STANDARD SHELF SPACING. SHELVES MAY BE INSTALLED AT OTHER SPACING DEPENDING ON THE END USER'S NEED.**

**STEP 2 - INSTALL MIDDLE SHELVES**

**STEP 3 - INSTALL TOP SHELF**



# **STEP 04 - INSTALL PLUSNUTS FOR FASTENING THE END PANEL BOTTOM AND MOUNT SHELF TO THE VAN**



USE FAS0091, FAS0086,  
FAS0098, AND FAS0092  
(04 PLACES)  
1/2 WRENCH  
1/2 SOCKET

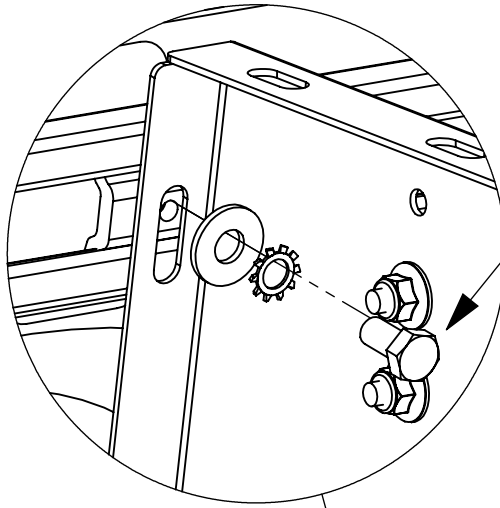
REPEAT ON OTHER  
END PANEL

USE THE APPROPRIATE SPACER TO  
LEVEL THE SHELVING

FASTEN TO FLOOR RIBS WHERE POSSIBLE

**STEP 05 - MOUNT THE TOP OF THE END PANEL TO THE AD RAIL.**

**NOTE:**  
TOP SHELF HIDDEN  
FOR VISIBILITY



USE FAS0165, FAS0086,  
FAS0085, AND 35335-0  
(02 PLACES)  
1/2 WRENCH OR 1/2 SOCKET

REPEAT ON OTHER  
END PANEL

