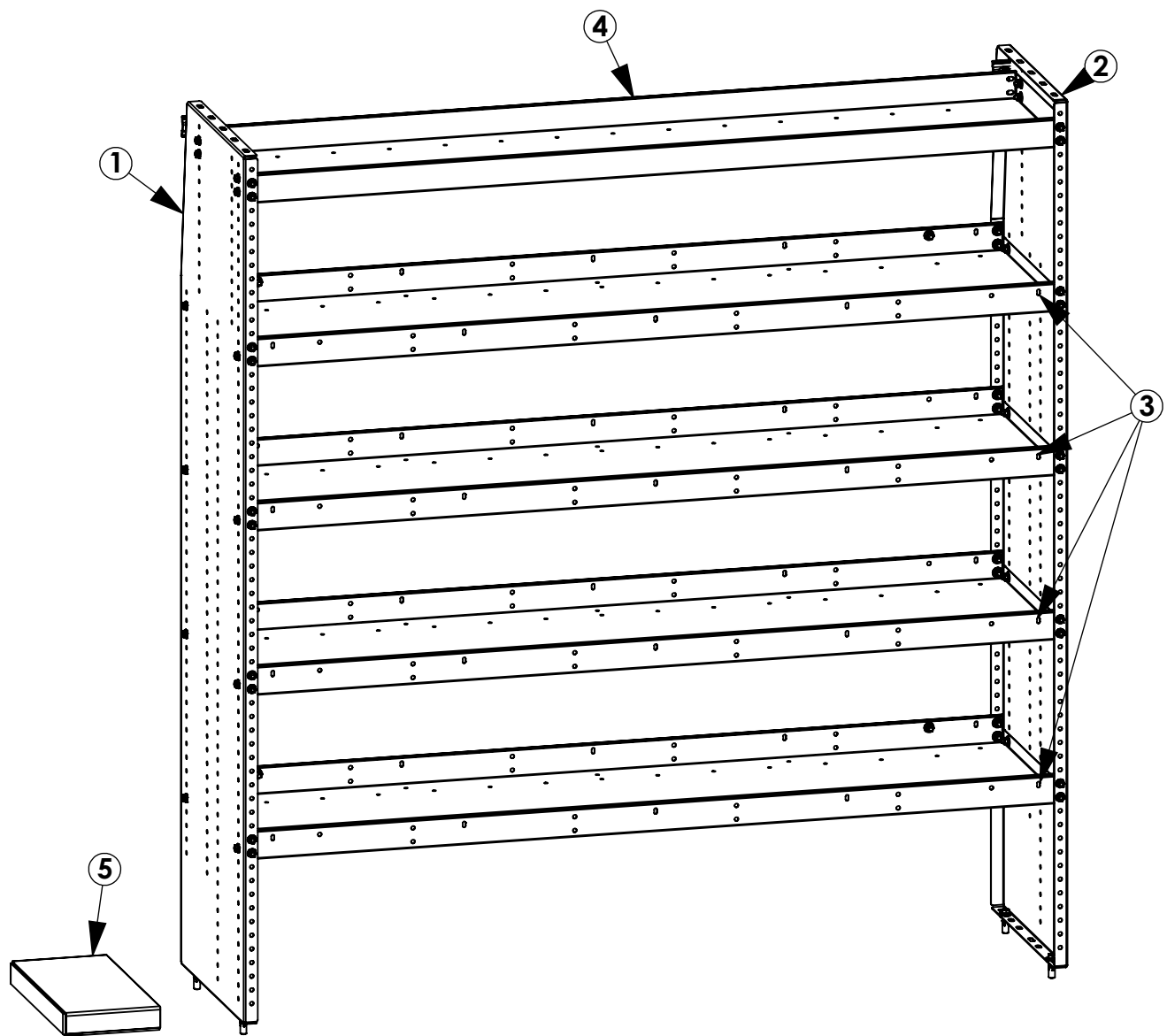


INSTR. NUMBER : <b>66861</b>	PG: <b>1</b>	REV: <b>A</b>	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER : <b>HD-1660HR</b>			1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
			2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
PART • KD UNIT 16X60X63 DESC. • FTMH/SPR			3	SF21660X-G	SHELF, STD, 2X16X60, GRAY	4
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

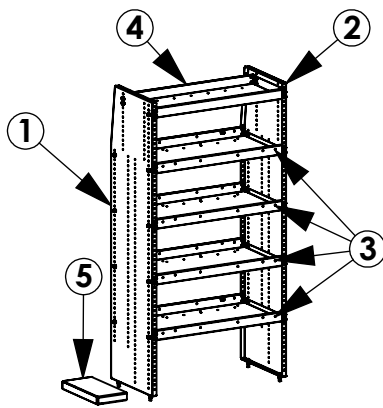
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**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).

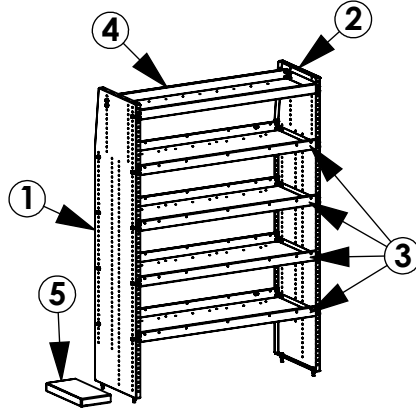
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

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

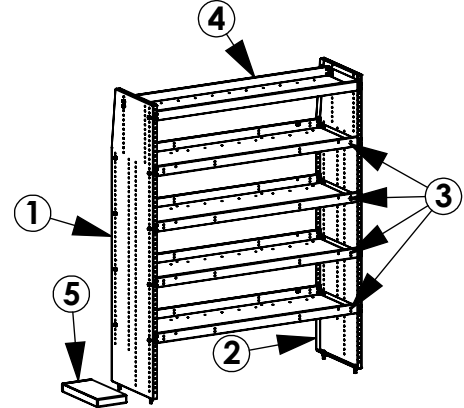
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1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21632X-G	SHELF, STD, 2X16X32, GRAY	4
4	SF21332X-G	SHELF, STD, 2X13X32, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1644HR**

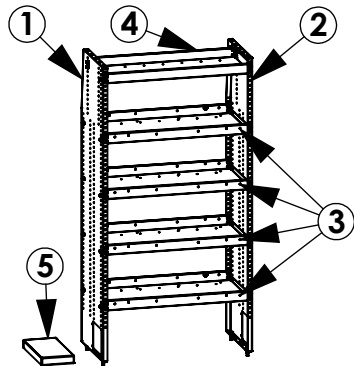
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21644X-G	SHELF, STD, 2X16X44, GRAY	4
4	SF21344X-G	SHELF, STD, 2X13X44, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1650HR**

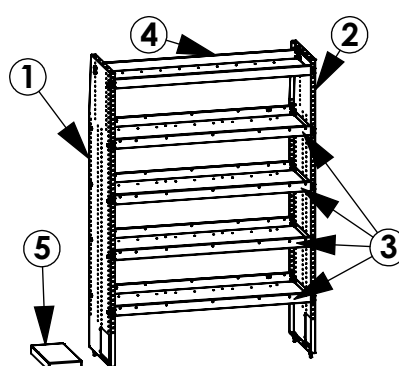
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRL	END PANEL,L,16X63,FTH\SPH, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21650X-G	SHELF, STD, 2X16X50, GRAY	4
4	SF21350X-G	SHELF, STD, 2X13X50, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1632HRC**

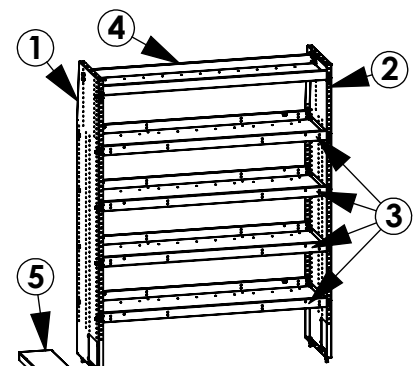
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21632X-G	SHELF, STD, 2X16X32, GRAY	4
4	SF21332X-G	SHELF, STD, 2X13X32, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

**HD-1644HRC**

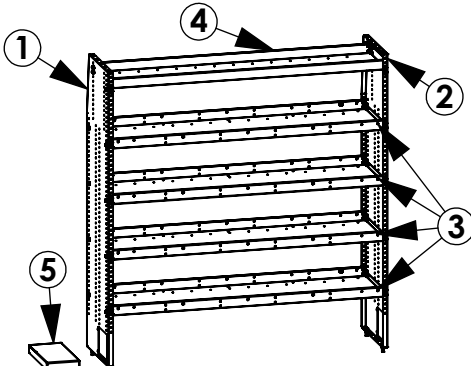
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1	EP1663HRLC	END PANEL,L,16X63,FTH\SPH W/CONDUIT, GRAY	1
2	EP1663HRR	END PANEL,R,16X63,FTH\SPH	1
3	SF21644X-G	SHELF, STD, 2X16X44, GRAY	4
4	SF21344X-G	SHELF, STD, 2X13X44, GRAY	1
5	HDW66859	HDW KIT FOR 16" HR SHELVING	1

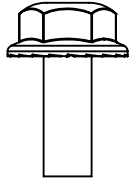
**HD-1650HRC**

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

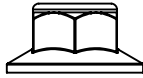
**HD-1660HRC**

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

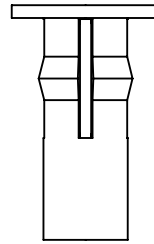


**FASTENERS USED**

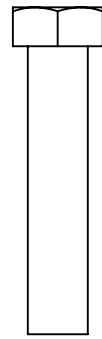
FAS0018  
SCREW,HFLNG 1/4-20X.62  
QTY: 68



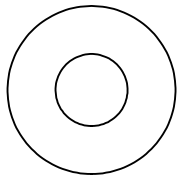
FAS0055  
NUT,HEX NLK FLG 1/4-20  
QTY: 68



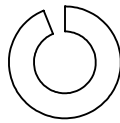
FAS0091  
PLUSNUT,5/16-18  
QTY: 04



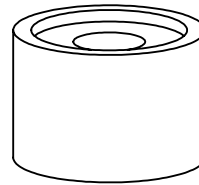
FAS0092  
SCREW,HH 5/16-18X1.5  
QTY: 04



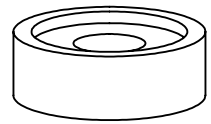
FAS0086  
WASHER,FLAT USS 5/16  
BAG QTY: 04  
RAIL KIT QTY: 02



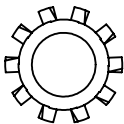
FAS0098  
WASHER,LCK SPLIT 5/16  
QTY: 04



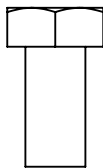
03927-2  
SPACER, 11/16"  
QTY: 04



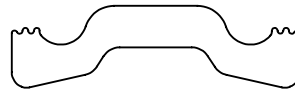
03927-1  
PACER, 11/32"  
QTY: 04

**INCLUDED IN VEHICLE RAIL KIT**

FAS0085  
WASHER,LCK EXT 5/16  
QTY: 02



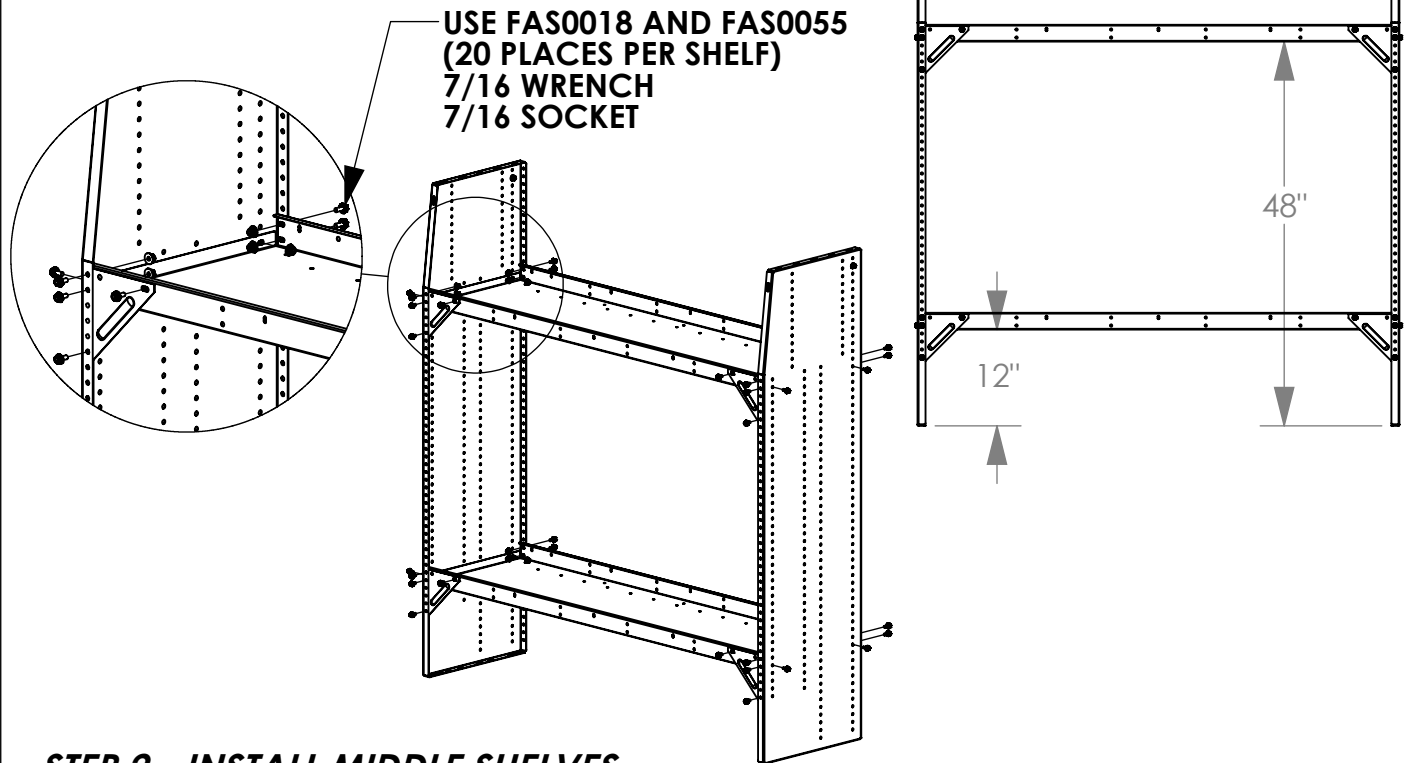
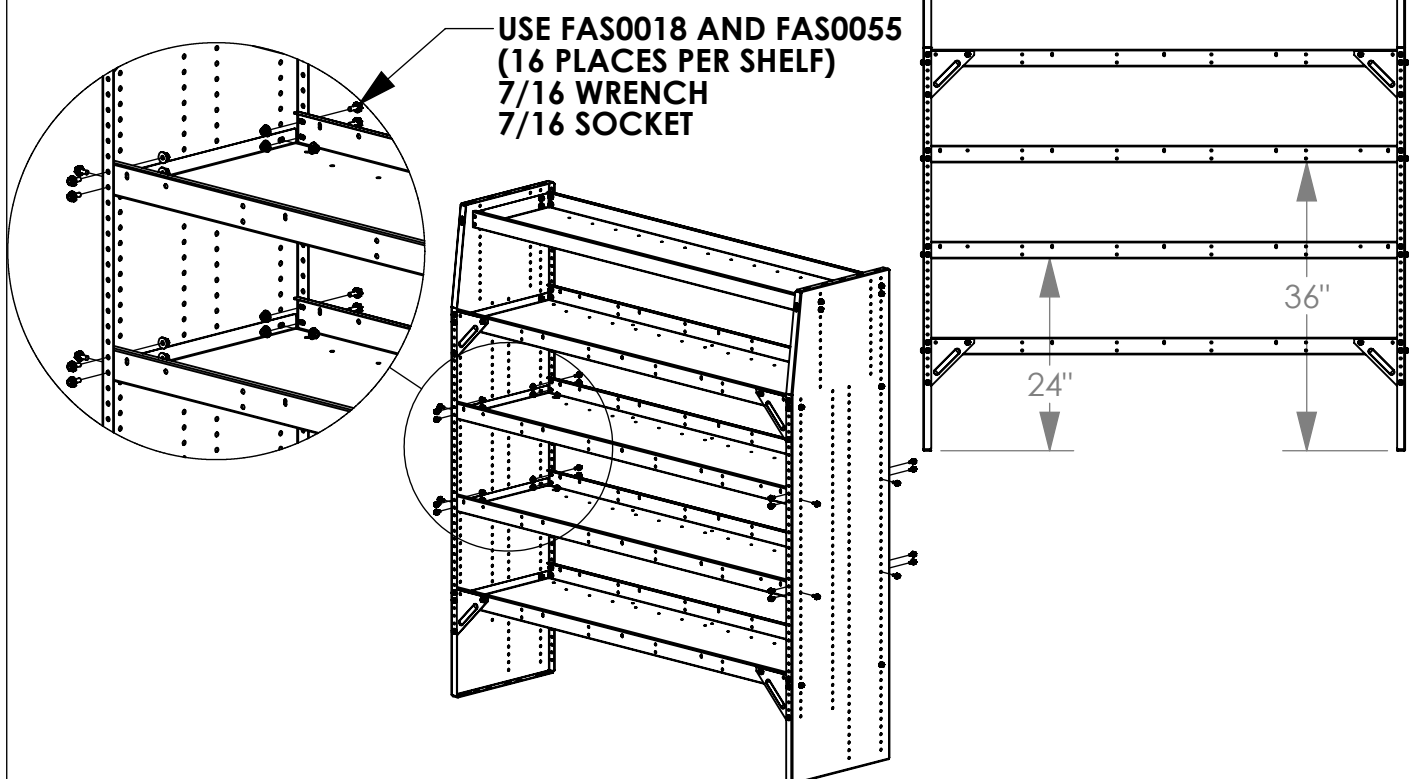
FAS0165  
SCREW,HH 5/16-18X.62  
QTY: 02

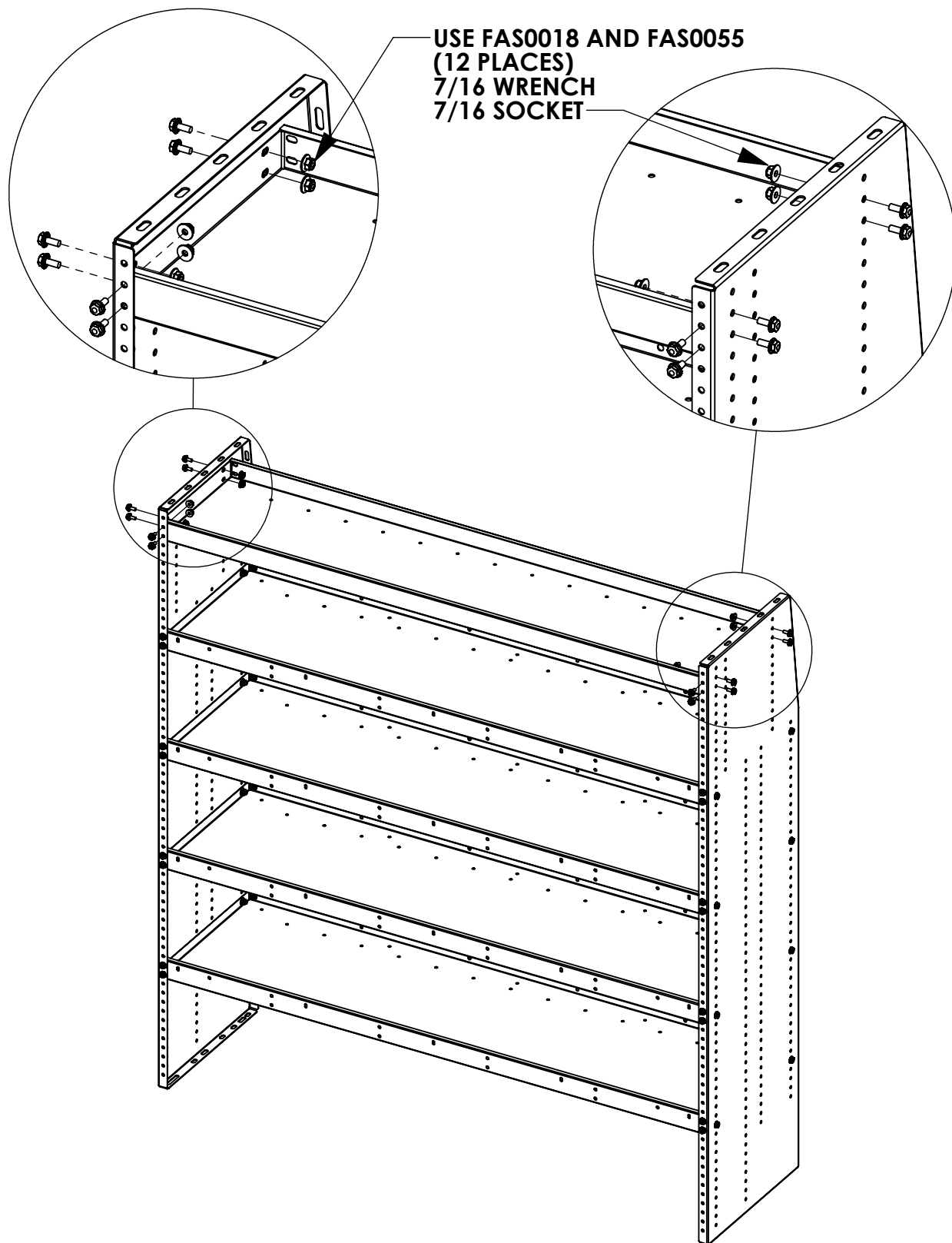


35335-0  
SLIDE,1.5"/ AD RAIL  
QTY: 02

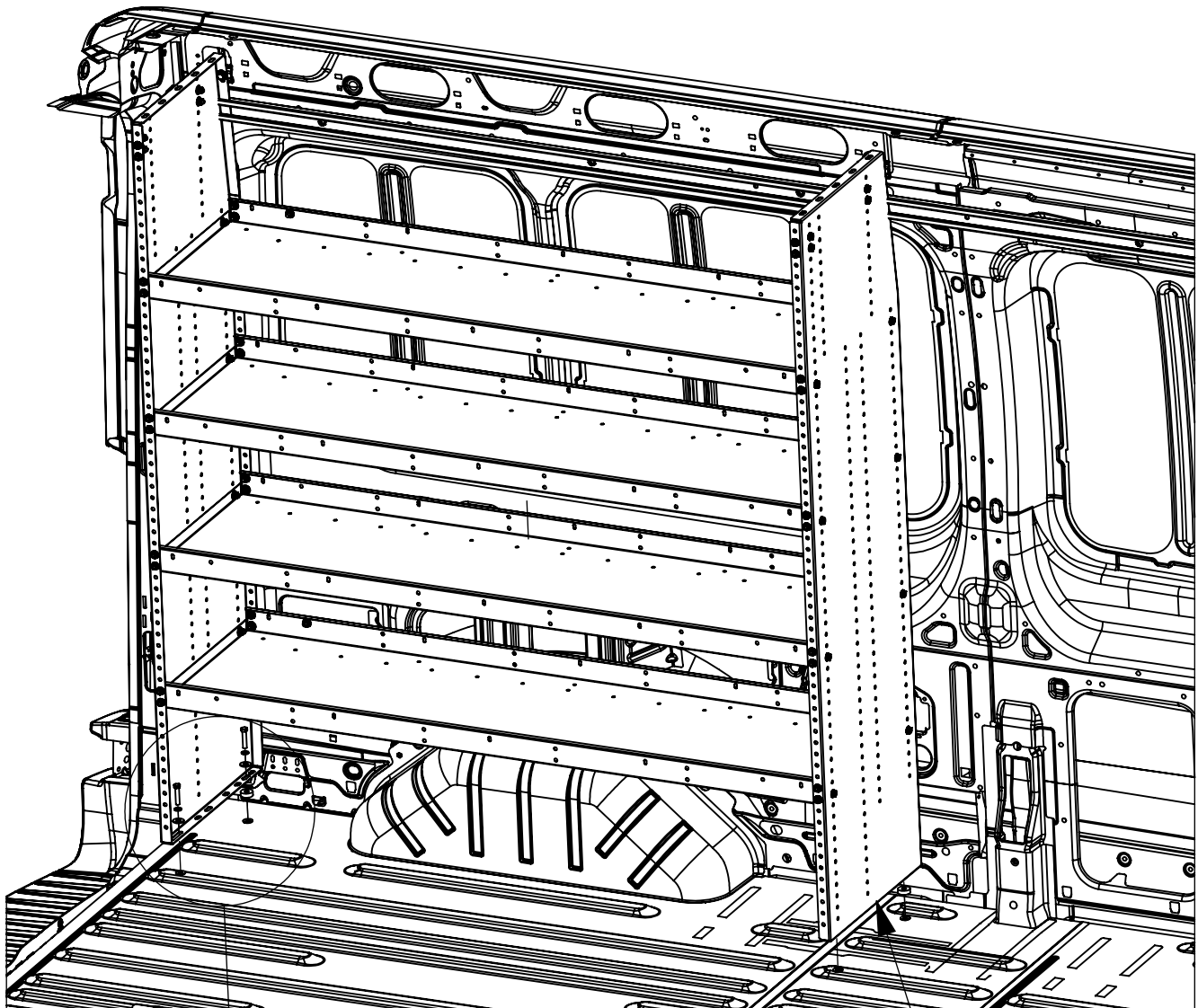
**BEGIN ASSEMBLY****STEP 1 - INSTALL SHELVES WITH GUSSETS**

**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

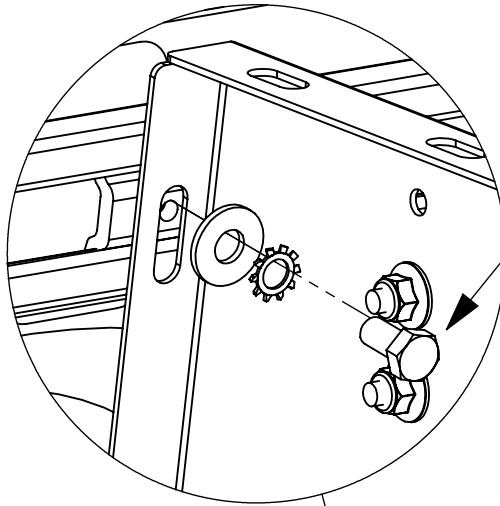
REPEAT ON OTHER  
END PANEL

USE THE APPROPRIATE SPACER TO  
LEVEL THE SHELVEING

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

