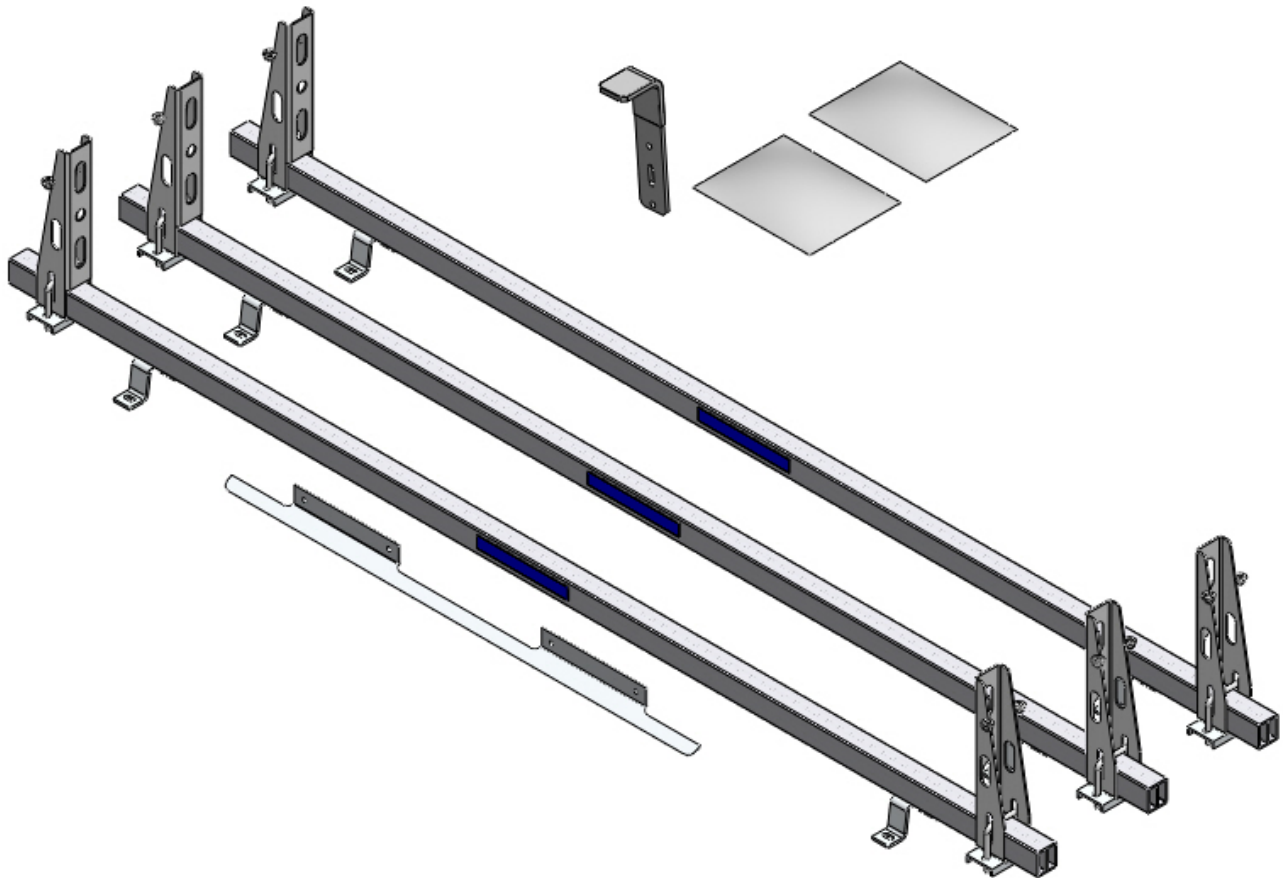




Assembly/Installation Instructions and Owners Manual



3BNLCV-W / 43849 SHOWN

**1BNLCV-B, -W, 2BNLCV-B, -W, 3BNLCV-B, -W,
43848, 43849, 43850, 43851
UTILITY RACKS FOR NISSAN LCV**

NOTE: 5 DIGIT PART NUMBERS ARE USED WHEN ORDERED WITH REAR ROLLER AS KIT

ADRIAN STEEL COMPANY • WWW.ADRIANSTEEL.COM • 906 JAMES STREET • ADRIAN, MI 49221 • 800-677-2726

- PRECAUTIONS -





 **CAUTION** 
**THE USE 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



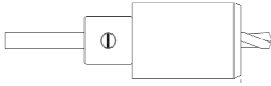


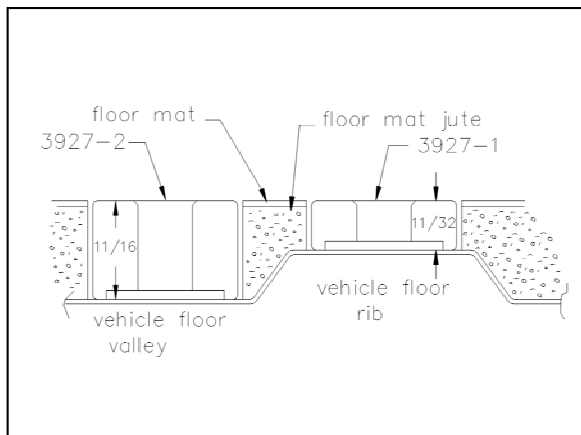
MEASURING TAPE

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



WHEN INSTALLING PLUSNUTS MAKE SURE YOU USE THE CORRECT DRILL BIT WITH A STOP!

PLUSNUT SIZE	DRILL BIT SIZE
1/4-20 PLUSNUT, FAS0052	USE A 3/8" DIAMETER DRILL BIT WITH A STOP.
5/16-18 PLUSNUT, FAS0091	USE A 1/2" DIAMETER DRILL BIT WITH A STOP.
 OR  NOTE: A PLUSNUT SETTING TOOL IS REQUIRED FOR PLUSNUT INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL (P.N. 22200-0) OR USE AN AIR POWERED PLUSNUT SETTING GUN.	
NOTE: If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations using a 1-3/16" carpet cutter.	1-3/16" DIAMETER CARPET CUTTER P.N. 31183-0. 

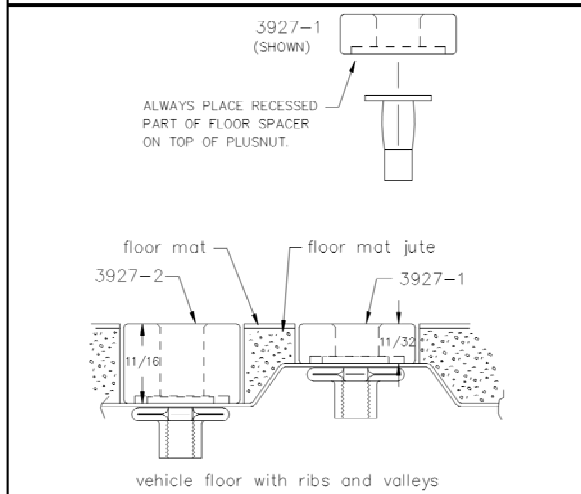


Step 01
Optional Based on Vehicle

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations. **(if not, skip to STEP 02)**

Position the product to be installed into the vehicle and once you are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter. Select the appropriate floor spacers as shown in the illustration to the left. Set those aside for use later into the installation process.

Once you have prepared the carpet/floor mat for mounting, proceed to **STEP 02**.

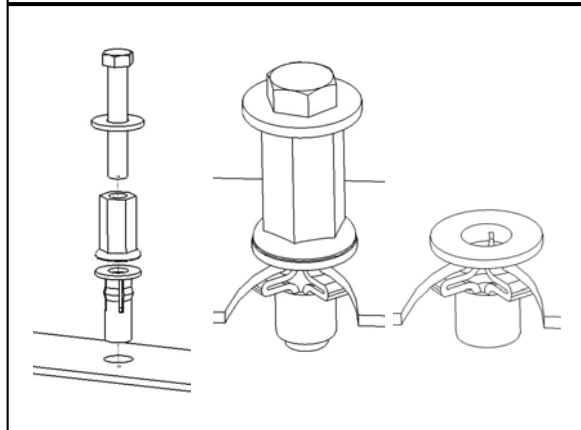


Step 02
Prepare Mounting Locations

Using a drill and drill bit (see table at top of page for correct size) drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.

If you are thru-bolting at any of the locations simply drill a hole that is 1/16" larger than the bolt size(s) for those locations.

Once you have drilled the holes into the vehicle, the raw metal edges should be sealed using a self-etching primer to resist corrosion and potential fastener point failure.



Step 03
Setting Plusnuts



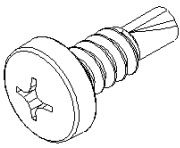
Use a Air Powered Plusnut Setting Gun to "set the plusnut" or if installing manually with hand tools, assembly the following.

- 1/4-20UNC Plusnut (FAS0052)
- FAS0080 SCREW, HXHD, 1/4-20UNCx2.00, G8
- FAS0067 WASHER, FLAT, 1/4"ID
- 22200-0 PLUSNUT TOOL
- 5/16-18UNC Plusnut (FAS0091)
- FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8
- FAS0086 WASHER, FLAT, 5/16"ID
- 22200-0 PLUSNUT TOOL

Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

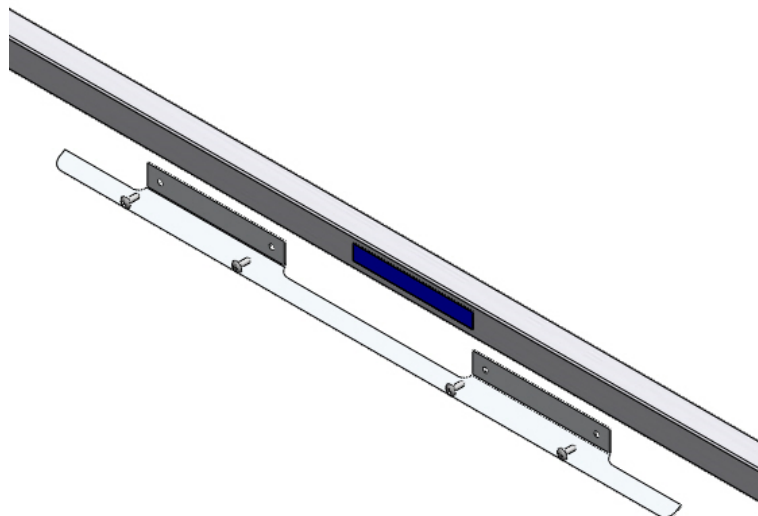
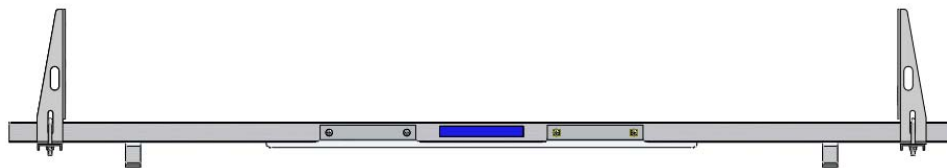
Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

Remove hex bolt, washer, and plusnut. Inspect installation.

PARTS YOU WILL USE FOR STEP 04	CROSSBAR ASM. (1) REQUIRED	SPOILER (1) REQUIRED	FAS0360 SCREW (4) REQUIRED	
				

Instructions for Step 04

NOTE: 5 DIGIT PART NUMBERS ARE USED WHEN ORDERING THE 2BARRNV-W/B AND 3BARRNV-W/B.



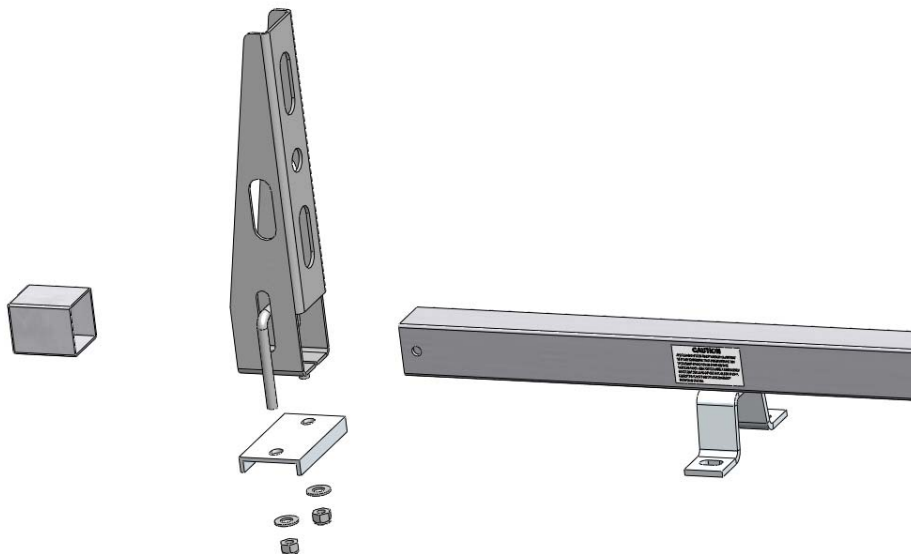
THIS STEP APPLIES TO 2 AND 3 BAR RACKS ONLY

CENTER SPOILER ON FRONT BAR ASM END TO END, LOCATE TOP TRIM LINE OF SPOILER APPROX 1/4" BELOW TOP SURFACE OF BAR AND MARK HOLE LOCATIONS. DRILL (2) 0.188 DIA. HOLES THROUGH FRONT SURFACE OF BAR ONLY.





ATTACH SPOILER TO BAR ASM WITH (4) FAS0360 SCREWS AS SHOWN.

PARTS YOU WILL USE FOR STEP 05	CROSSBAR ASM. (1) REQUIRED	UPRIGHT (2) REQ'D PER BAR	BOLT PLATE (2) REQ'D PER BAR	FAS0598 U-BOLT (2) REQ'D PER BAR
				
	FAS0248 5/16-18 LOCK-NUT (4) REQ'D PER BAR	FAS0552 5/16 FLAT WASHER (4) REQ'D PER BAR	48939 BLUE VINYL COVER (2) REQ'D PER BAR	
				

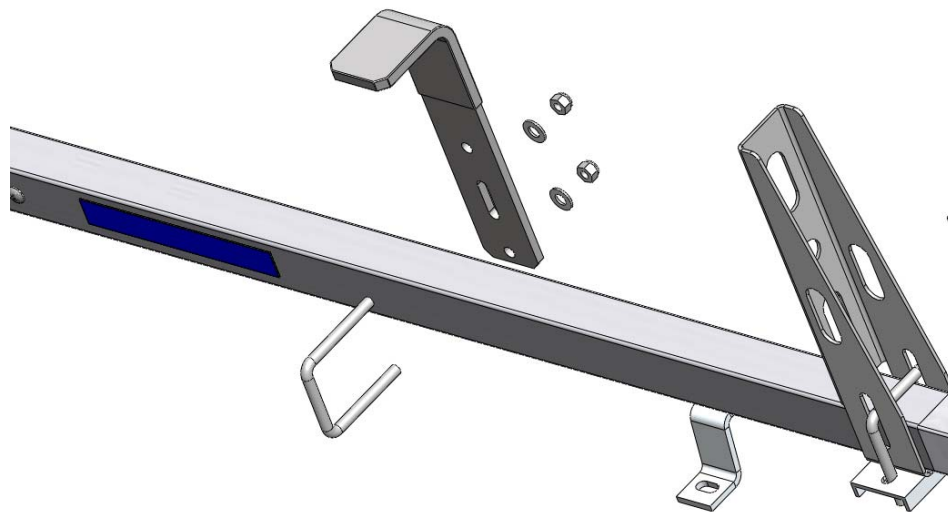
Instructions for Step 05



INSERT U-BOLT INTO UPRIGHT AND SLIDE ONTO BAR. PLACE BOLT PLATE ONTO U-BOLT AND INSTALL FLAT WASHERS AND LOCKNUTS. TIGHTEN TO 12 FT.LBS. TORQUE. PLACE BLUE COVER OVER END OF BAR AND SLIDE COMPLETELY ON. COVER MAY HAVE TO BE WARMED IF COLD AS IT IS A STRETCH FIT ONTO BAR. REPEAT ON ALL ENDS.

PARTS YOU WILL USE FOR STEP 06	LADDER STOP (1) REQUIRED	FAS0598 U-BOLT (1) REQUIRED	FAS0248 5/16-18 LOCK-NUT (2) REQUIRED	FAS0552 5/16 FLAT WASHER (2) REQUIRED
				

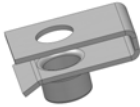



Instructions for Step 06



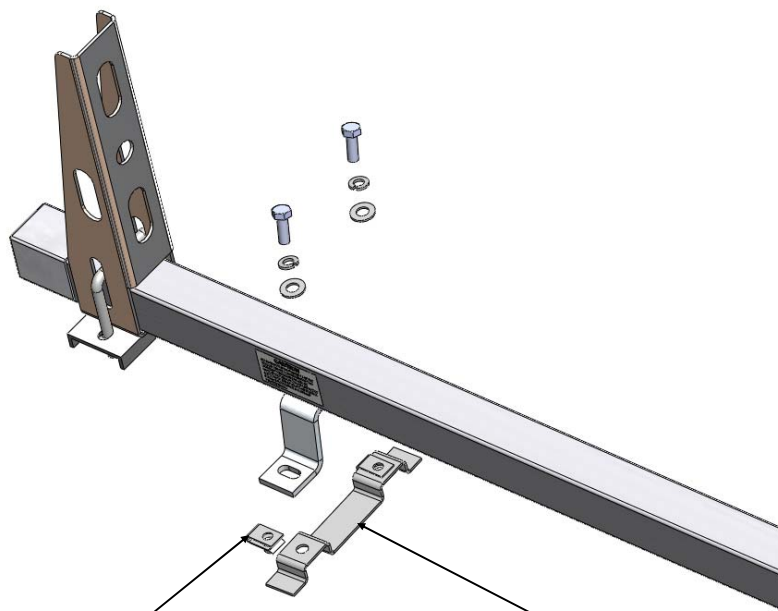
THIS STEP APPLIES TO 2 AND 3 BAR RACKS ONLY.

ADDITIONAL LADDER STOPS ARE AVAILABLE THROUGH YOUR DISTRIBUTOR.

IF DESIRED, ATTACH LADDER STOP TO FRONT CROSSBAR USING U-BOLT, FLAT WASHERS AND LOCKNUTS AS SHOWN. LOCATION AND HEIGHT ARE ADJUSTABLE. TORQUE NUTS TO 12 FT.LBS.

PARTS YOU WILL USE FOR STEP 07	FAS0759 5/16-18 U-NUT (4) REQ'D PER BAR	FAS0771 5/16-18x.875 HEX HEAD SCREW (4) REQ'D PER BAR	FAS0588 5/16 LOCK WASHER (4) REQ'D PER BAR	FAS0552 5/16 FLAT WASHER (4) REQ'D PER BAR
				

Instructions for Step 07



5/16 U-NUT

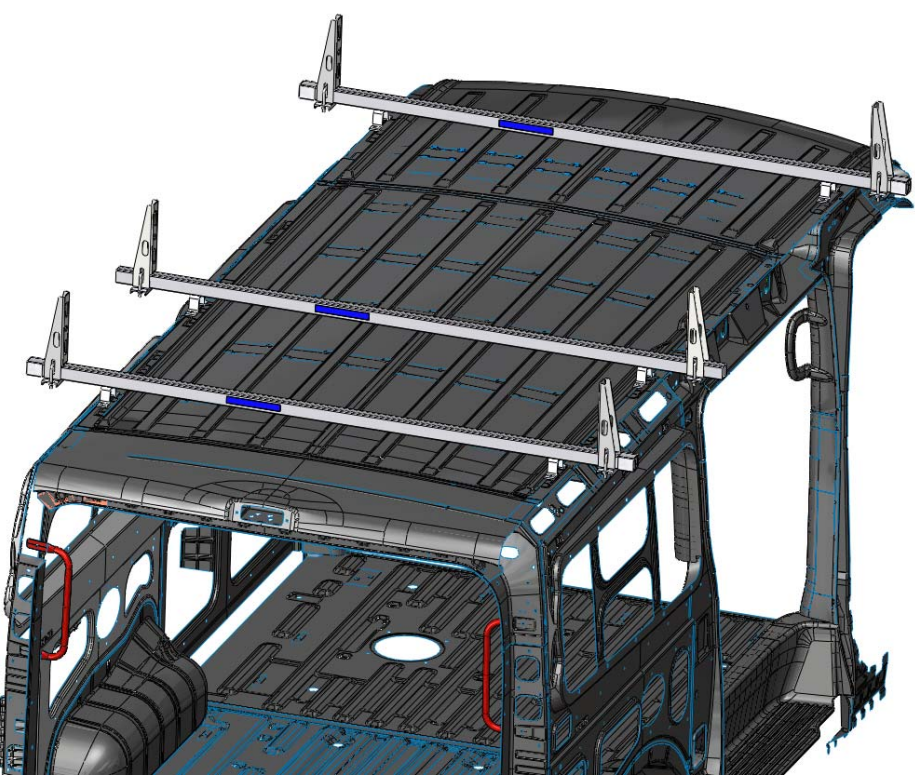
BELT LOOP MOUNT
ON ROOF OF VAN
(REFERENCE)

PLACE U-NUTS ONTO BELT LOOP FEATURES ON ROOF OF VAN IN LOCATIONS DESIRED. ATTACH CROSSBAR ASSEMBLIES USING SCREWS, LOCK AND FLAT WASHERS AS SHOWN. TORQUE TO 12 TO 15 FT. LBS.

THE FRONT CROSSBAR ASSEMBLY WILL HAVE THE SPOILER ATTACHED AND THE SPOILER FACES FORWARD.

NUMBER OF CROSSBAR ASSEMBLIES CAN RANGE FROM THE 2 INCLUDED IN THE 2BNLCV AND 43850/43851 RACKS UP TO 5 WITH INSTALLATION OF ADDITIONAL CROSSBAR ASSEMBLIES. THE GREATER THE WEIGHT TO BE CARRIED, THE MORE CROSSBARS SHOULD BE UTILIZED.

Instructions for Step 08



FOR THE NISSAN PROGRAM RACK, 3BNLCV-W / 43849, MOUNT THE FRONT BAR ASSEMBLY TO THE FRONT SET OF MOUNTING POINTS, THE REAR BAR ASSEMBLY TO THE REARMOST SET OF MOUNTING POINTS, AND THE THIRD BAR ASSEMBLY TO THE CENTER SET OF MOUNTING POINTS AS SHOWN AT LEFT.