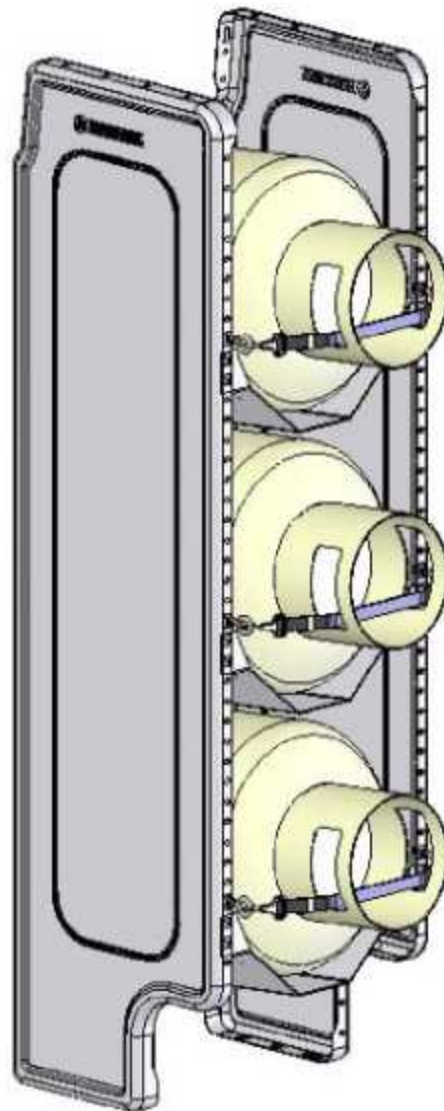




**ADRIAN STEEL®**

*Cargo Management Solutions for Commercial Vehicles*

## TH51FP Assembly/Installation Instructions



**TH51FP**  
**TANK HOLDER, TH51FP, NISSAN**

## - 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



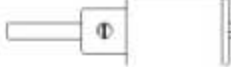
MEASURING TAPE

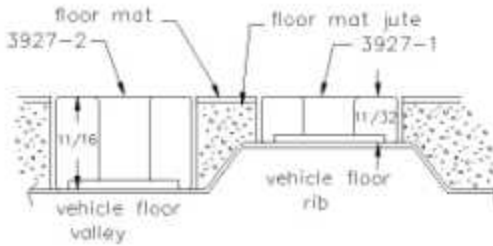
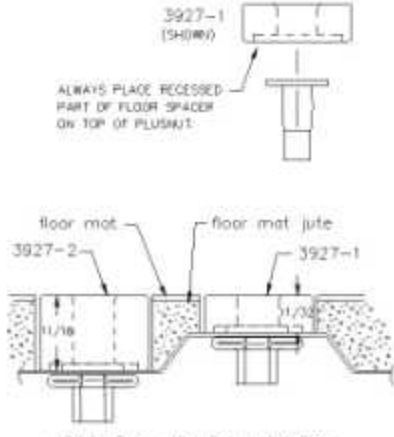
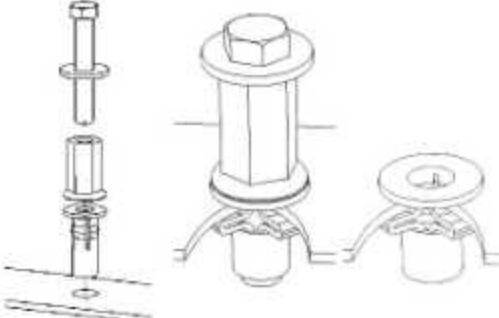
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

# TH51FP Assembly/Installation Instructions



**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. |
|  <b>OR</b>  <b>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.</b> |                                            |
| <b>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.</b>                                                                                                                                                                                                                                         |                                            |
| <b>1-3/16" DIAMETER CARPET CUTTER P.N. 31183-0.</b>                                                                                                                                                                                                                                                    |                                            |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>Step 01</b><br/><b>Optional</b></p> <p>If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations. <b>(if not, skip to STEP 02)</b></p> <p>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.</p> <p>Once you have prepared the carpet/floor mat for</p>                                                                                                                                                                                                                                                                          |
|   | <p><b>Step 02</b><br/><b>Prepare Mounting Locations</b></p> <p>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.</p> <p>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.</p> <p>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.</p>                                                                                                                                                                                                                                                                                          |
|  | <p><b>Step 03</b><br/><b>Setting Plusnuts</b></p> <p>Use a Air Powered Plusnut Setting Gun to "set the plusnut" or if installing manually with hand tools, assemble the following:</p> <p><b>1/4-20UNC Plusnut (FAS0052)</b><br/>FAS0080 SCREW, HXHD, 1/4-20UNCx2.00, G8<br/>FAS0067 WASHER, FLAT, 1/4"ID<br/>22200-0 PLUSNUT TOOL</p> <p><b>5/16-18UNC Plusnut (FAS0091)</b><br/>FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8<br/>FAS0086 WASHER, FLAT, 5/16"ID<br/>22200-0 PLUSNUT TOOL</p> <p>Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.</p> <p>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).</p> <p>Remove hex bolt, washer, and plusnut. Inspect installation.</p> |

# TH51FP Assembly/Installation Instructions



**FAS0055**  
NUT, HXFLNG,  
NYLON LOCK,  
1/4-20UNC



**FAS0061**  
SCREW, THP,  
1/4-20UNC x 1/2"



**FAS0060**  
EYEBOLT, 1/4-20UNC,  
5X 185X1"



**29895-0**  
TIE DOWN ASM, WTR



**FAS0067**  
WASHER, FLAT  
1/4"



## BAGRKA1-4 "BAG, HDW, RKA1 SET OF 4 QTY = 1 total)

| P/N       | PART DESCRIPTION            | QTY |
|-----------|-----------------------------|-----|
| BAG0505-A | 5" X 5" 3 MIL AUTOBAG       | 1   |
| FAS0086   | WASHER, FLAT, 5/16"ID       | 4   |
| FAS0098   | WASHER, SPLITLOCK, 5/16"ID  | 4   |
| FAS0165   | SCREW, HH, 5/16-18UNCx 5/8" | 4   |
| 35335-0   | SLIDE-AD RAIL               | 4   |
| 36793-0   | INSTRS, AD ACC MTG, RKA1    | 1   |



**EPS1451LH**  
END PNL, LH, 14" x 51"

## BAGTST4 "BAG, HDW, TST4" (QTY = 1 total)

| P/N       | PART DESCRIPTION            | QTY |
|-----------|-----------------------------|-----|
| BAG0507-A | 5" X 7" 3 MIL AUTOBAG       | 1   |
| FAS0050   | EYEBOLT, 1/4-20 X 5X.99     | 8   |
| FAS0055   | NUT, HXFLNG, NYLCK, 1/4-20  | 40  |
| FAS0061   | SCREW, THP 1/4-20UNC X .50" | 32  |
| FAS0067   | WASHER, FLAT, 1/4           | 8   |



**EPS1451RH**  
END PNL, RH, 14" x 51"  
Qty = 1

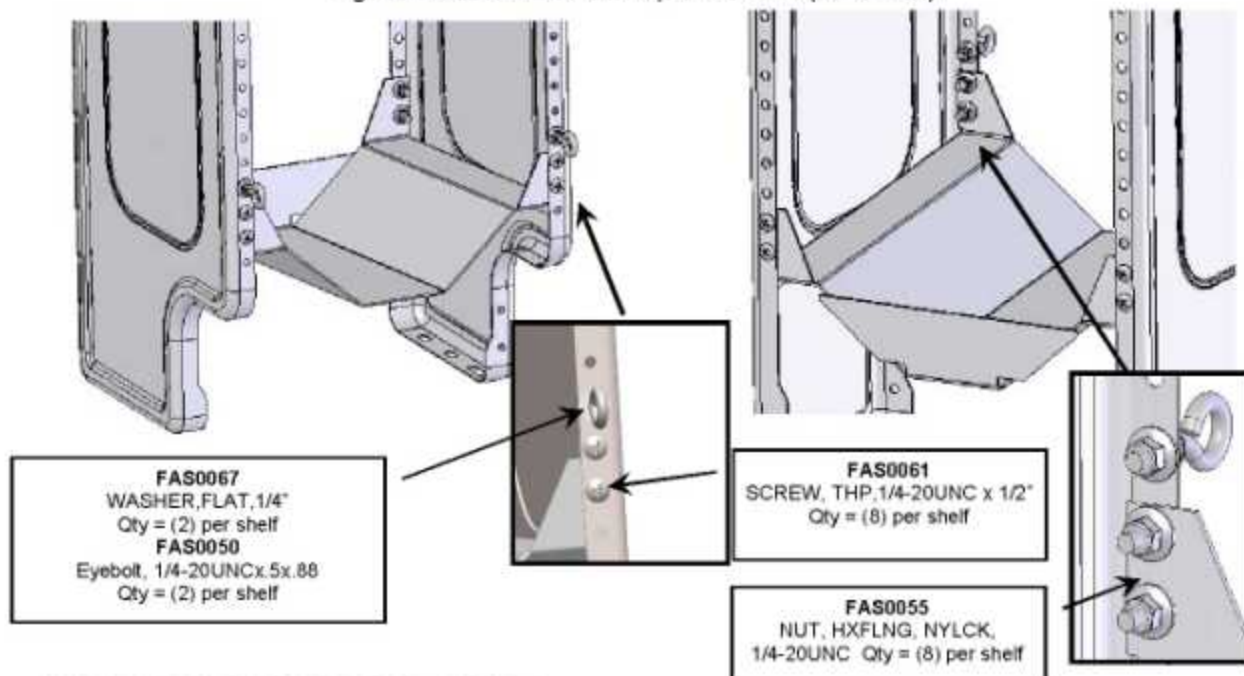


**39570-G**  
SHELF, TANK HOLDER, TH51FP  
Qty = 3

## INSTRUCTIONS FOR STEP 04

Assembly bottom tank holder shelf to LH & RH end panels, note hole end and hole spacing on front and back detail views. Next install eyebolts to LH & RH end panels as shown below.

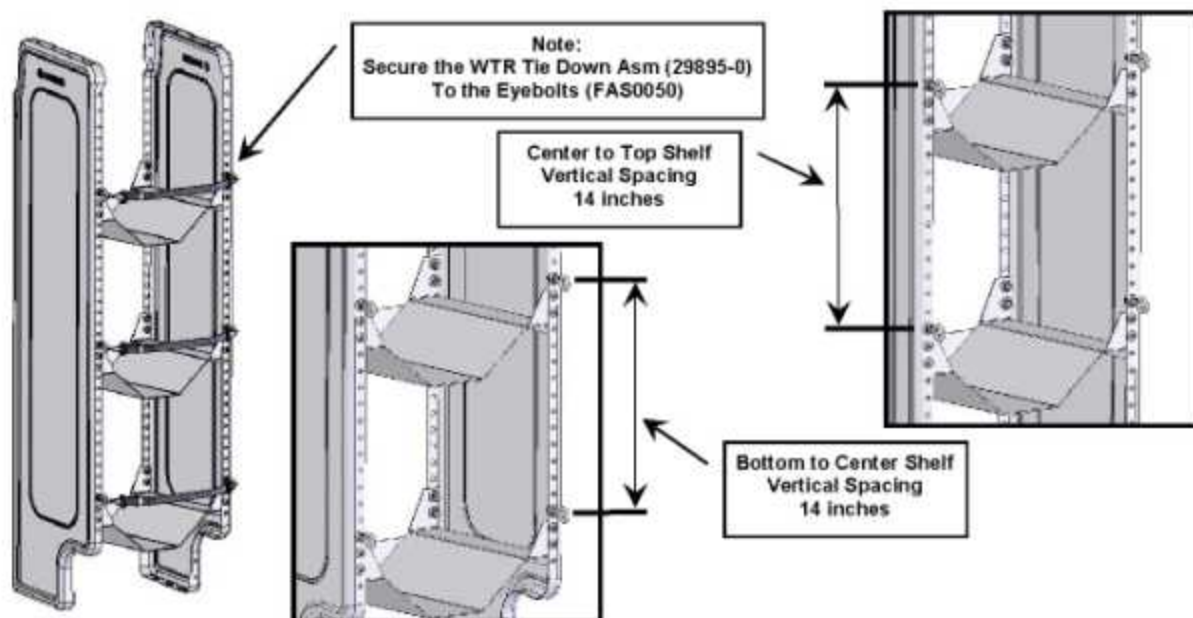
Tighten to recommended torque of 8 ft-lbs (+/- 2 ft-lbs)



## INSTRUCTIONS FOR STEP 05

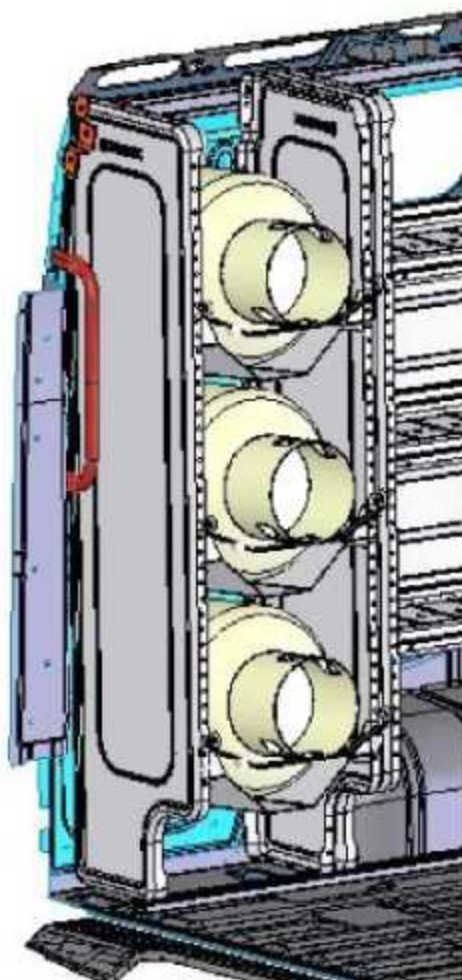
Assembly center and top tank holder shelves to LH & RH end panels, note hole end and hole spacing on front detail views. Installation fasteners are same as outlined above in step 04.

Tighten to recommended torque of 8 ft-lbs (+/- 2 ft-lbs)

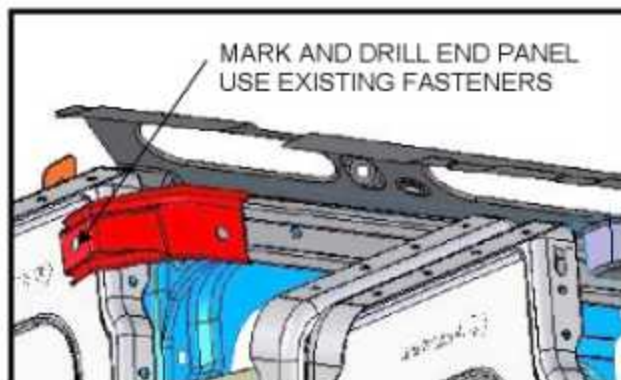


## Typical Installation in LCV Nissan (Light Commercial Vehicle)

Position the TH51FP in vehicle per PDS package specifications and secure in place as instructed in the Nissan Rail Kit Installation instructions.

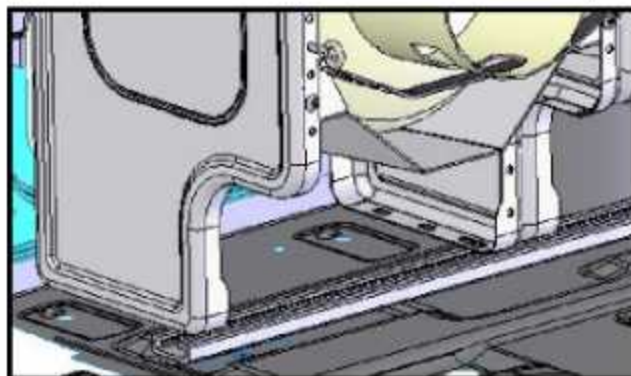


TYPICAL REAR STREETSIDE  
(DRIVERS SIDE) INSTALLATION



For detailed installation instructions of the TH51FP refer to the following:

**RKLCV "Rail Kit,  
Nissan, LCV, LWB"**



**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE SURE THAT  
ALL FASTENERS ARE TIGHTENED TO RECOMMENDED SPECIFICATIONS**

**YOUR INSTALLATION IS NOW COMPLETE!  
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCE!**