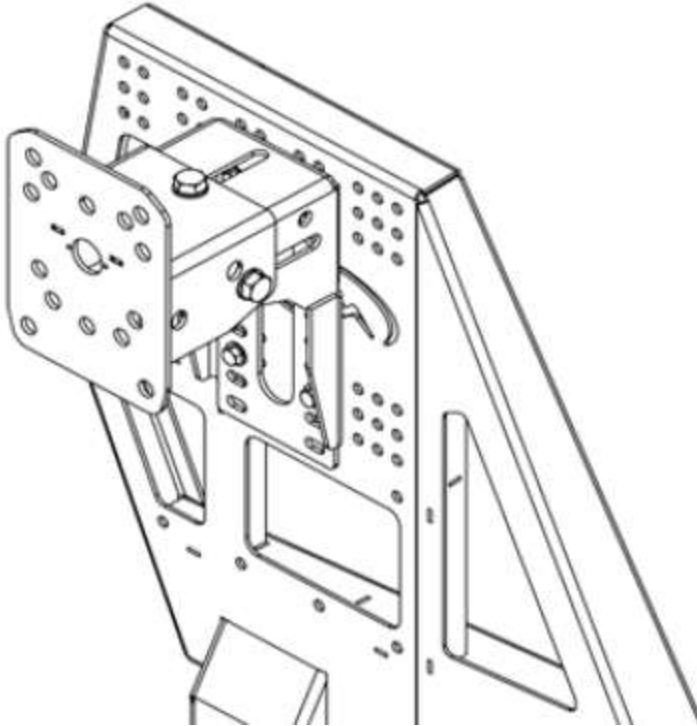




# UNIVERSAL TIRE CARRIER MOUNT



## INSTALL GUIDE

LAST UPDATE 6/7/24 v2

### PLEASE READ ENTIRE GUIDE BEFORE INSTALLATION

Recommended that you read this entire install guide before installation. Check that all hardware is present before starting or scheduling an install. This guide is supplemental to mechanical knowledge and ability. Anyone not familiar with automotive installation should seek professional installation.



# INSTALL GUIDE

## IMPORTANT INFO/FAQ

### INSTALL GUIDE

ALL

#### INSTALLATION HELP

Please review terms and conditions for details

Recommended purchaser review Welcome Guide at time of purchase for details

Care and Maintenance available at [www.exp-one.com/resources](http://www.exp-one.com/resources)

We do our best to offer timely assistance with your installation questions however as most of our team members are primarily engaged in the manufacturing process and packaging processes, we do not currently offer a tech for on-demand calls and inquiries. For the more technical installs or installs that are time-sensitive in nature, we would recommend our customers seek out the services of professional shops with experience specific to aftermarket bumpers that can better meet your needs. We are happy to make recommendations to you on shops familiar with our products in your area. We do our best to respond to installation questions within 24-48 hours of contact as much as possible. Long-distance problem assessment can be difficult, so photos and videos are often required for us to best assist you. We highly recommend your initial contact regarding installation questions include both close-up and full photos, detailed descriptions using our part descriptions as much as possible, and video. This enables us to better assist without having the ability to see the install difficulties directly and assist you as quickly as possible.

#### NOTE

Expedition One does not guarantee fitment with other aftermarket products, or reinstallation of take off OEM parts.

Expedition One is NOT RESPONSIBLE for damage to paint or powder coating, items assembled in error during installation or costs associated with install

OEM manufacture model refreshes/updates, factory build location and suppliers may cause variations in fitment or installation and can not be verified, vehicle to vehicle .

\*This product contains chemicals known to the state of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.gov](http://www.p65warnings.gov)\*

GSA# GS-30F-013CA

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\*This product contains chemicals known to the state of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.gov](http://www.p65warnings.gov)\*
















### INSTALL GUIDE

ALL

#### HARDWARE

Please review for details and installation. Figures or data may vary. Leave all accessible hardware loose for installation and tighten all hardware after everything is installed on the vehicle. Check and retighten all hardware after the first 100 miles and/or after off roading. **Some hardware locations do not require being tightened to spec due to there design, location or material attachment (including rubber, plastic, and aluminum).** Over tightening may break or damage parts. Torque spec may vary, amounts listed are generic.

HARDWARE		TORQUE SPEC – FT.-LBS.	
SIZE	SOCKET WRENCH	GRADE 5 M- 8.8	GRADE 8 M – 10.9
#8	1/4"	X	
#10	5/16"		
1/4"	7/16"	6-8	9-10
5/16"	1/2"	13-14	18-20
3/8"	9/16"	23-26	33-37
7/16"	5/8"	37-41	52-58
1/2"	3/4"	57-64	80-90
9/16"	13/16"	X	
5/8"	15/16"		
3/4"	1-1/8"		
7/8"	1-5/16"		
1"	36MM		
M6	10MM	9-10	13-15
M8	13MM	22-24	32-35
M10	15MM	44-49	64-72
M12	18MM	76-83	112-123

TYPES OF HARDWARE		
		
HEX CAP BOLT	WASHER	NYLOC NUT
		
BUTTON HEAD BOLT	FENDER WASHER	HEX NUT
		
CARRIAGE BOLT	INTERNAL TOOTH	JAM NUT
		
SOCKET CAP BOLT	CLIP NUT	ACORN NUT
		
FLAT HEAD SCREW	RIVET NUT	COUPLING



GRADE5



CLASS8.8



GRADE8



CLASS10.9

**NOTE - Extra hardware may be left over due to model or option specific items that may not be required for the install.**

### INSTALL GUIDE

#### MOUNT LOCATIONING

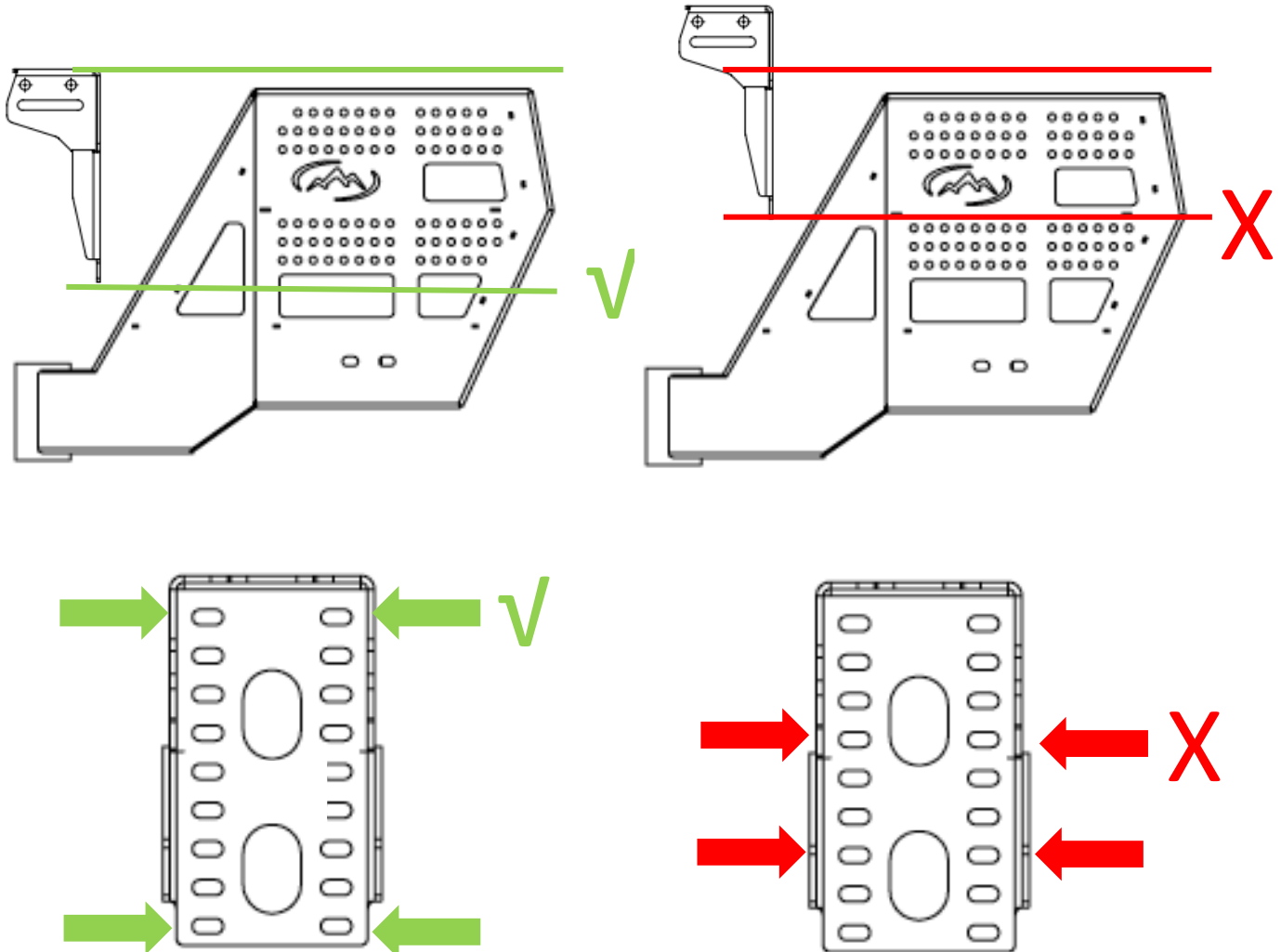
It is recommended the tire mount top be level with or just slightly past the top of the arm and that it go no further than the 3 bottom mounting hole row locations. Spread out the mounting hole locations as much as possible and use all 4 provided hardware in conjunction with the arm.

Mounting the tire carrier in a high position may result in damage and will NOT be warranted.

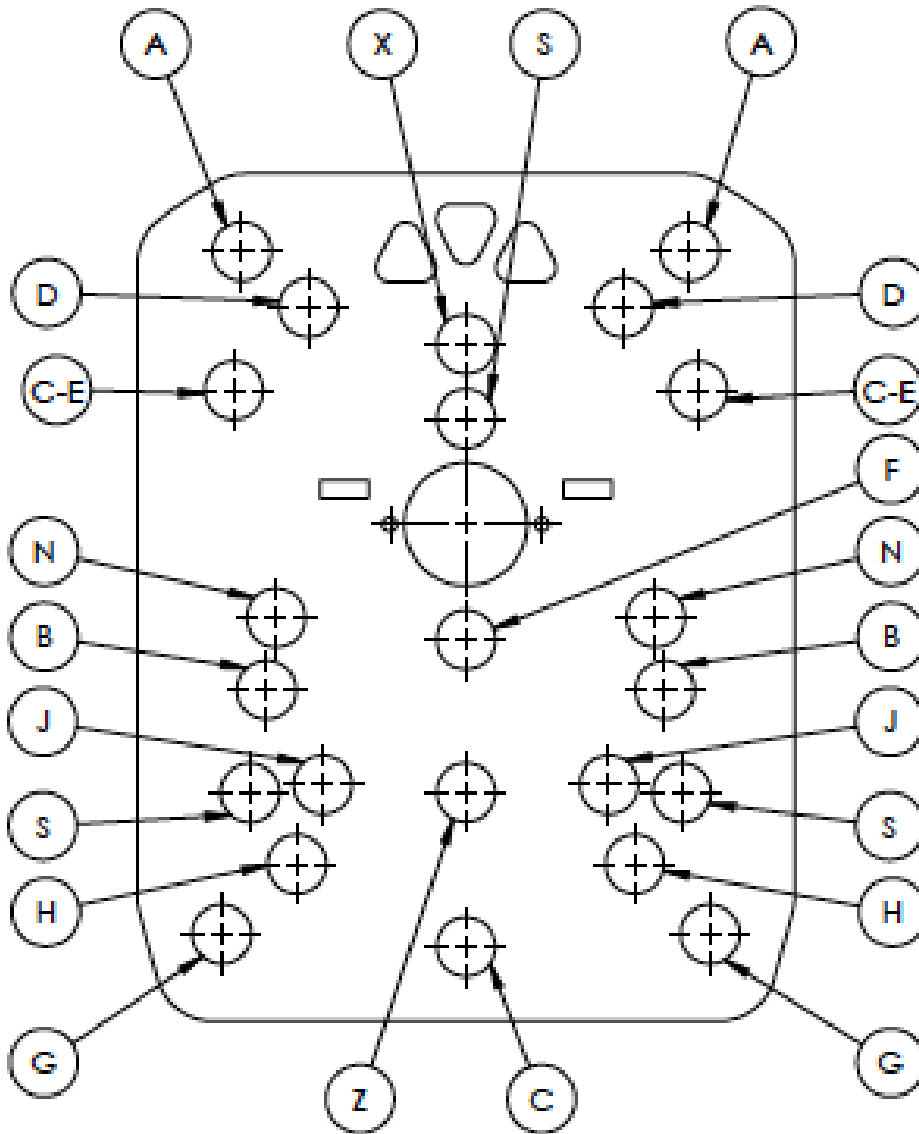
Mount as low and tight to the arm as possible.

IE-Think of your tire as yourself carrying a heavy box. Carrying it close and level to you is better than carrying it while above and away from you.

#### EXAMPLE



# BOLT PATTERN



HOLE PATTERN ID	BOLT PATTERN	VEHICLE
A - Z	8 ON 6.5"	RAM 2500 - 3500
B - X	6 ON 120mm	COLORADO / CANYON
C (3X)	8 ON 170mm	FORD SUPERDUTY
D - Z	5 ON 5.5"	RAM / CHEV / GMC 1500
E - Z	6 ON 5.5"	TOYOTA / RANGER
J - X	5 ON 5"	JEEP JK / JL / JT
G - X	8 ON 180mm	CHEV / GMC 2500 - 3500
H - X	5 ON 150mm	07 TUNDRA
S	6 ON 130mm	SPRINTER
A - F	6 ON 135mm	F150 - BRONCO RPTR
N - C	6 ON 4.5"	FRONTIER

NOTE - May NOT work with all patterns, wheels, or lug combinations or some aftermarket wheels

# STUD MOUNTING



WS327B  
10.9

**B**



WS327S  
10.9

**S**



**12X1.5**



**14X1.5**

**12 X 1.5**

**14 X 1.5**

## NOTE

- Studs can be pressed in using a press
- Manually by putting the stud through the opening and placing the lug upside down with the large washer over the threaded end. Screw the wheel nut on with an impact, it will pull the stud through. There are various forums, websites and how to videos (YouTube) on this. It is **RECOMMENDED** that you read or watch these before installing your lugs this way. Incorrectly installed lugs or damage during the install will **NOT** be warranted
- Use the provided tear drop spaces on the press to counter shallow offset wheels.

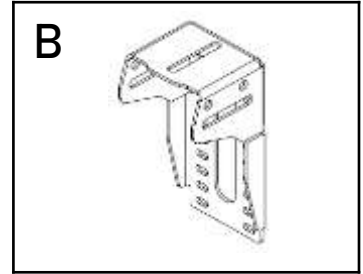
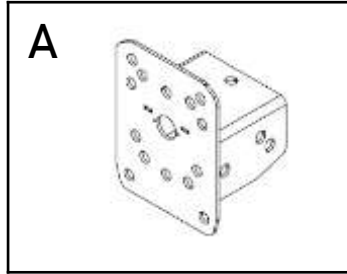
# INSTALL GUIDE

## HARDWARE GUIDE

### BUMPER SPECIFIC HARDWARE

A TIRE MOUNT 1

B CARRIER MOUNT 1



### HARDWARE

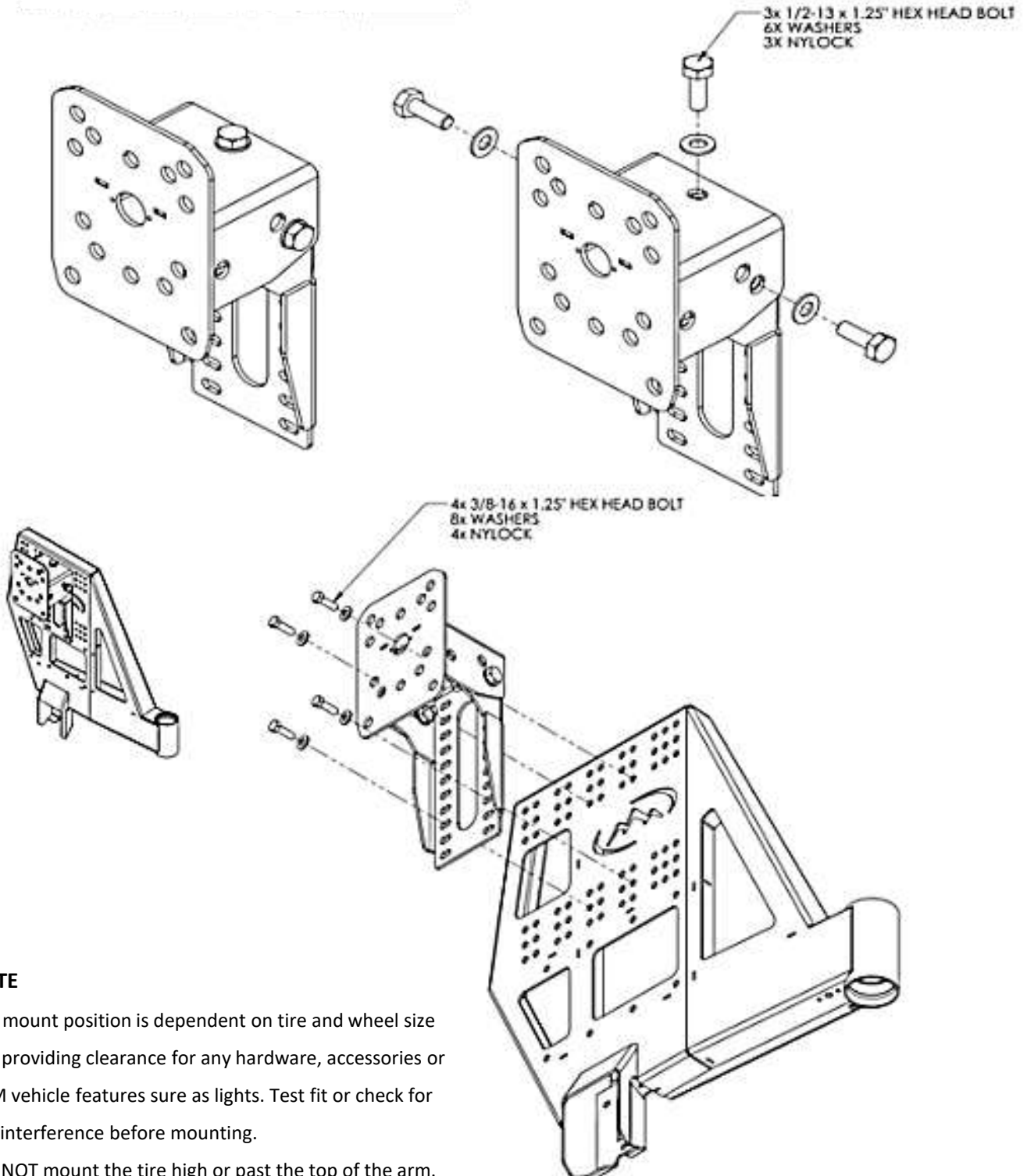
3/8"-16 X 1 1/4" Hex Cap Bolt	4
3/8"-16 Nyloc Nut	4
3/8" USS Washer	4
1/2"-13 X 1 1/4" Hex Cap Bolt	4
1/2"-13 Nyloc Nut	4
1/2" USS Washer	8

### VEHICLE DEPENDENT HARDWARE - METRIC 12 or 14

STUD	3
LUG NUT	3
TEAR DROP SPACER	3
LARGE WASHER	1

# TIRE CARRIER ASSEMBLY

Assemble the tire mount as shown by sliding the tire carrier over the top of the swing arm mount loosely mount with the 1/2" hardware as shown below. Mount in the desired position on either swing arm using the 3/8" hardware provided.



## NOTE

Tire mount position is dependent on tire and wheel size and providing clearance for any hardware, accessories or OEM vehicle features such as lights. Test fit or check for any interference before mounting.

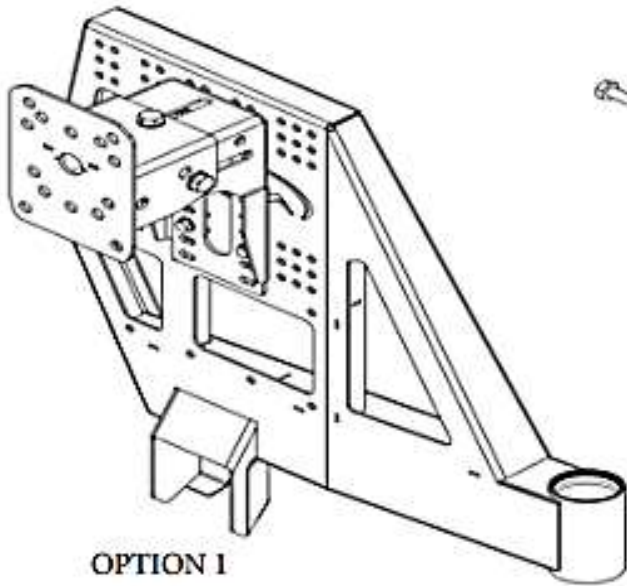
DO NOT mount the tire high or past the top of the arm.



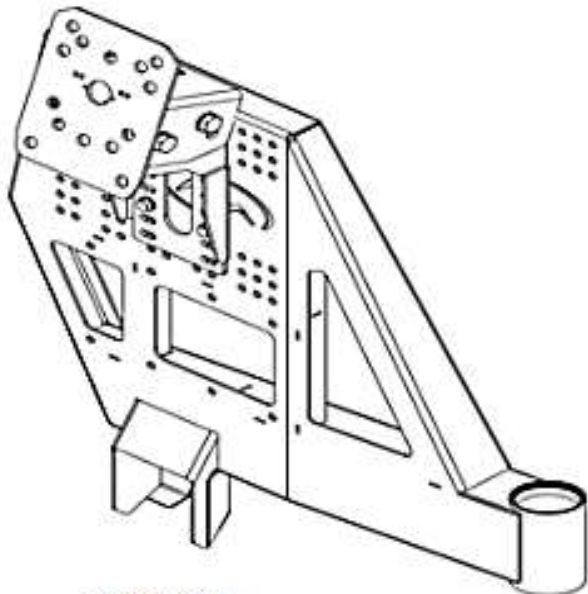
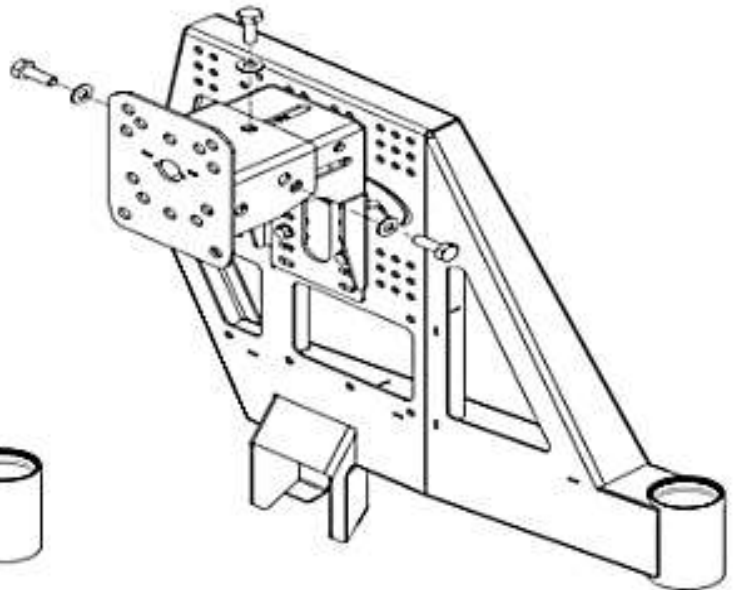
## TIRE CARRIER PLACEMENT

Attach the tire mount in the desired position and mount using the provided 1/2" hardware

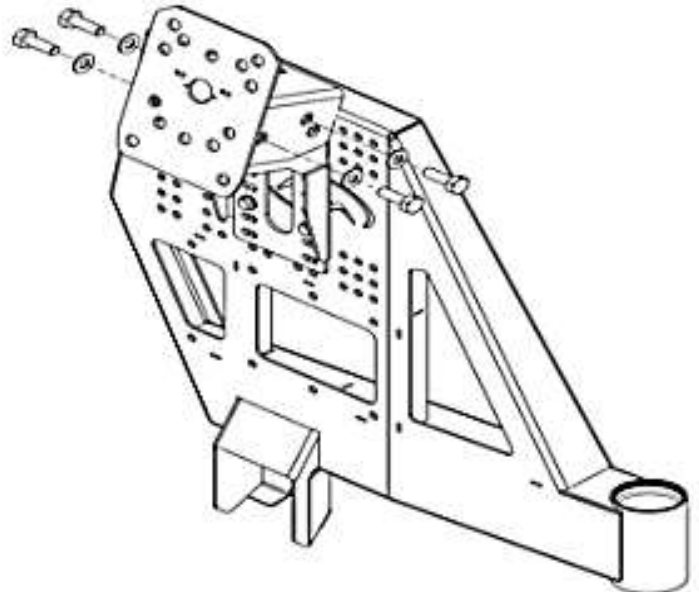
SEE INFO PAGE FOR CORRECT POSITIONING



OPTION 1



OPTION 2



### NOTE

May not work with all tire and wheel combinations or vary per vehicle

OPTION 2 – Will only work with certain vehicles and tire sizes

## TIGHTEN HARDWARE

Check that all hardware is tightened including all brackets and mounting locations.. Check that everything is working and adjust if needed before driving on the road.

### ADDITIONAL LINKS

<https://www.exp-one.com/wp-content/uploads/2016/10/Proper-Care-and-Maintenance.pdf>

<https://www.exp-one.com/wp-content/uploads/2016/10/Paint-touch-up-instructions.pdf>

<https://www.exp-one.com/wp-content/uploads/2018/02/Exp-One-2016-TC-word-doc.pdf>

**TIGHTEN ALL HARDWARE AFTER EVERYTHING IS INSTALLED ON THE VEHICLE.  
CHECK AND RETIGHTEN ALL HARDWARE AFTER THE FIRST 100 MILES AND  
AFTER OFF ROADING. CHECK REGULARLY**