

**Important:** Please read these instructions carefully and completely *before* starting the installation.

## TITAN™ Fuel Tanks

### INSTALLATION INSTRUCTIONS

#### Trail Trekker II™ Fuel Tank (4040287 and 4040387)

12 Gallon Fuel Tank for Jeeps®, Trucks and SUVs.



### Required Tools

- Ratcheting Socket Driver
- 9/16" Socket (14 mm)
- 5/8" Socket (16 mm)
- 3/4" Socket (19 mm)
- 5/8" End Wrench (16 mm)
- Lug Wrench
- Phillips Screwdriver
- T-27 Torx Screwdriver or Socket
- Red Threadlocker
- Torque Wrench

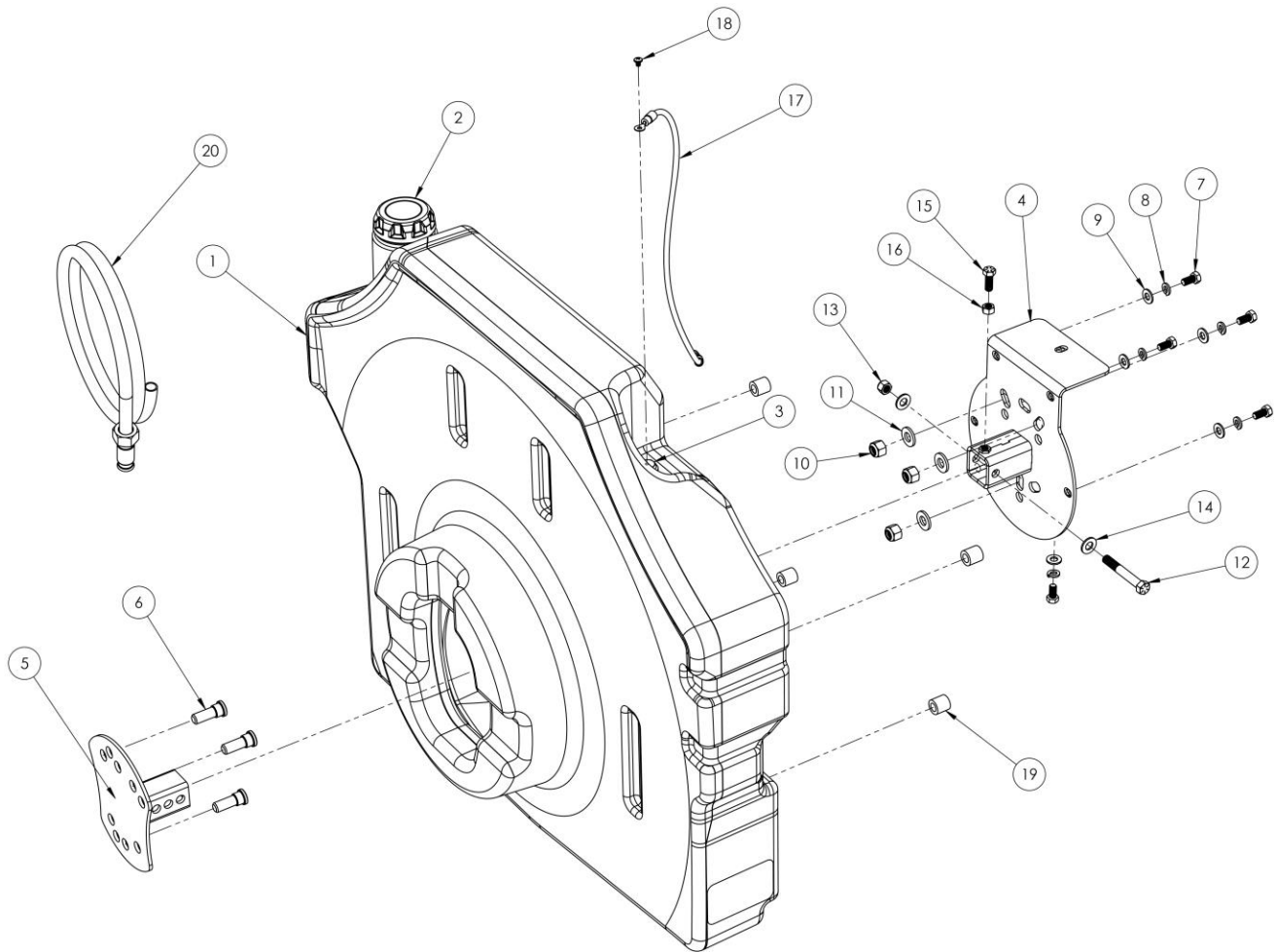
### Warning

**Do not store fuel in tank. This tank is designed for temporary storage only.**

**Full tank weighs approximately 100 lbs. (45 kg). It is the customer's responsibility to ensure the mounting point is sufficient for weight.**

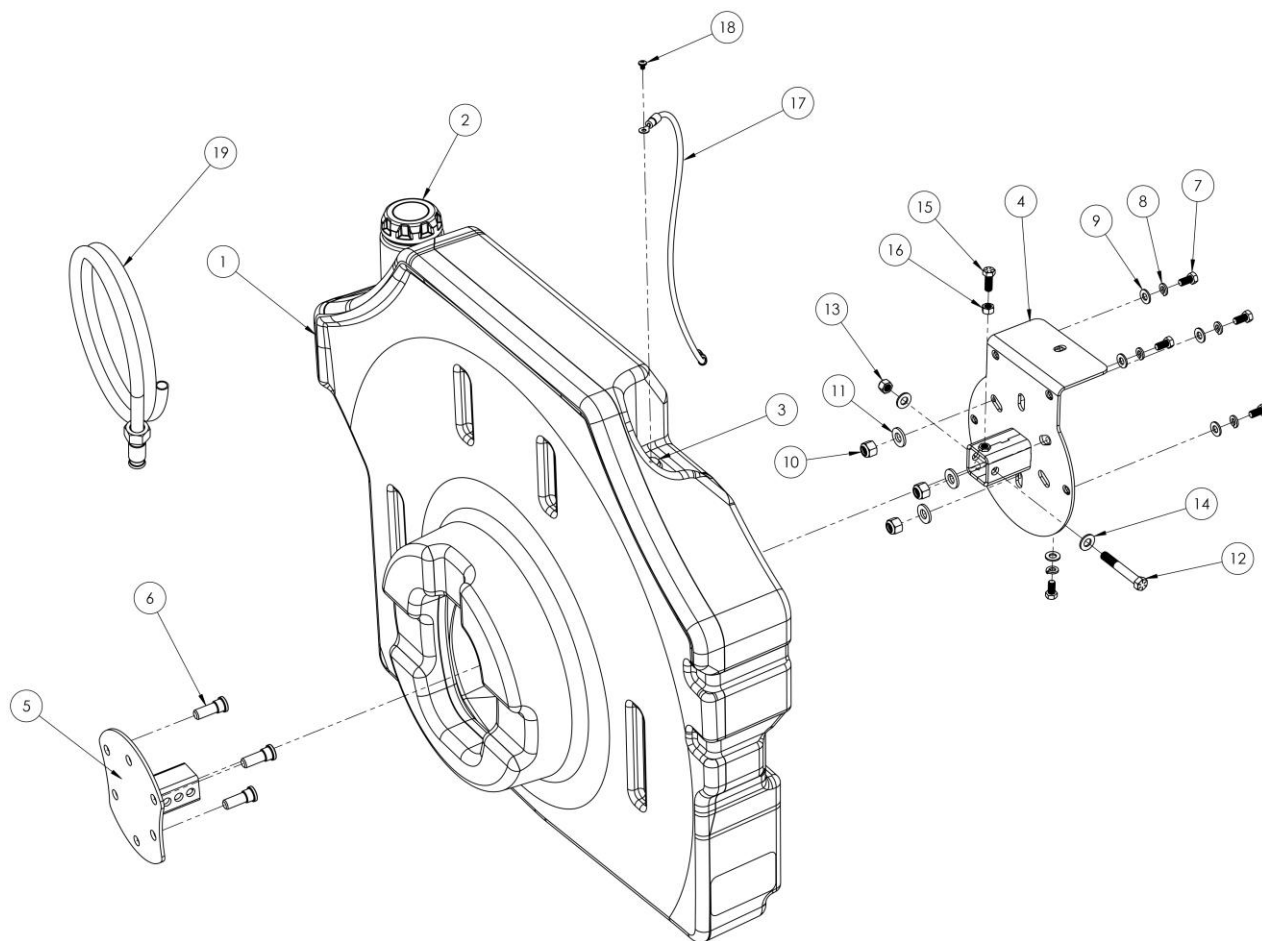
Tank must be properly grounded at all times. Always use a proper siphon pump. Never siphon fuel by mouth. Gasoline is extremely flammable. Keep away from flames, sparks and other ignition sources. Store only in a well ventilated area. Use out-doors only. Always wear eye protection when filling. Avoid prolonged breathing of vapors. Keep out of reach of children. Gasoline is known by the state of California to cause cancer.

## Trail Trekker II™ for Jeep® Wrangler, 5 Stud Wheels (4040287)



| Ref. No. | Part                          | Part Number  | Quantity |
|----------|-------------------------------|--------------|----------|
| 1        | Tank Body                     | 99 0000 0669 | 1        |
| 2        | Fuel Cap, Pre-Installed       | 99 0000 0628 | 1        |
| 3        | Grounding Stud, Pre-Installed | 99 0165 0000 | 1        |
| 4        | Tank Mounting Bracket, 5 Stud | 99 0000 0674 | 1        |
| 5        | Tire Mounting Bracket, 5 Stud | 99 0000 0675 | 1        |
| 6        | Wheel Stud, 1/2"-20           | 99 0000 0676 | 3        |
| 7        | 3/8"-16 X 3/4" Bolt           | 99 0000 0683 | 5        |
| 8        | 3/8" Lock Washer              | 99 0000 0111 | 5        |
| 9        | 3/8" Flat Washer              | 99 0000 0682 | 5        |
| 10       | 1/2"-20 Lock Nut              | 99 0000 0684 | 3        |
| 11       | 1/2" Flat Washer              | 99 0000 0685 | 3        |
| 12       | 7/16"-14 X 3" Bolt            | 99 0000 0677 | 1        |
| 13       | 7/16"-14 Lock Nut             | 99 0000 0678 | 1        |
| 14       | 7/16" Flat Washer             | 99 0000 0679 | 2        |
| 15       | 3/8"-16 X 1" Bolt             | 99 0000 0680 | 1        |
| 16       | 3/8"-16 Hex Nut               | 99 0000 0681 | 1        |
| 17       | Grounding Wire                | 99 0164 0000 | 1        |
| 18       | 10-24 X 1/4" Machine Screw    | 99 0000 0540 | 1        |
| 19       | Rubber Bumper                 | 99 0000 0689 | 4        |
| 20       | Shaker Siphon Assembly        | 99 0153 0000 | 1        |

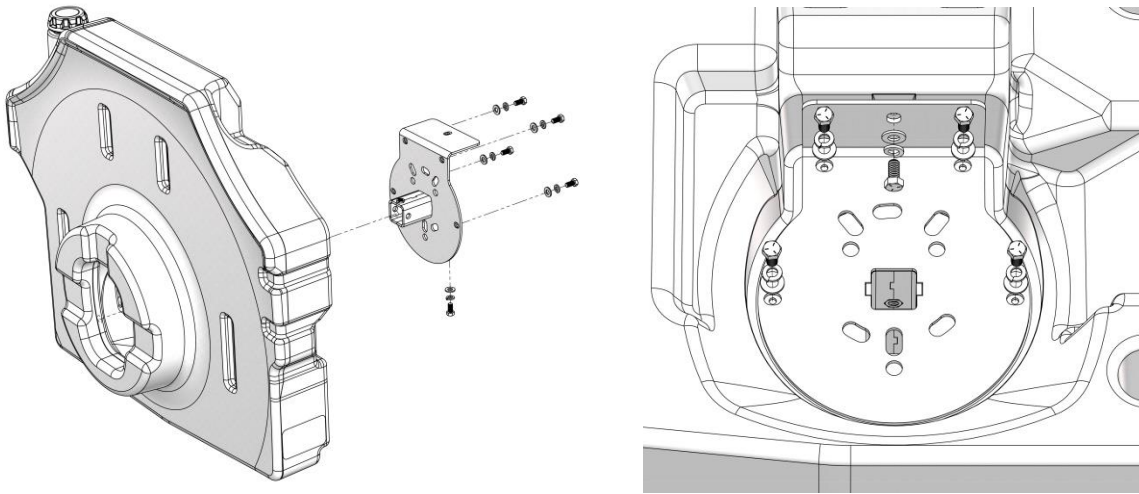
## Trail Trekker II™ for Vehicles with 6 Stud Wheels (4040387)



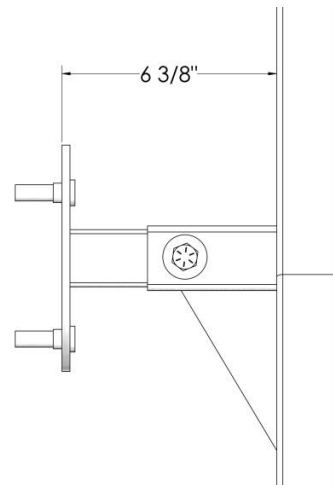
| Ref. No. | Part                          | Part Number  | Quantity |
|----------|-------------------------------|--------------|----------|
| 1        | Tank Body                     | 99 0000 0669 | 1        |
| 2        | Fuel Cap, Pre-Installed       | 99 0000 0628 | 1        |
| 3        | Grounding Stud, Pre-Installed | 99 0165 0000 | 1        |
| 4        | Tank Mounting Bracket, 6 Stud | 99 0000 0809 | 1        |
| 5        | Tire Mounting Bracket, 6 Stud | 99 0000 0810 | 1        |
| 6        | Wheel Stud, M12-1.5           | 99 0000 0811 | 3        |
| 7        | 3/8"-16 X 3/4" Bolt           | 99 0000 0683 | 5        |
| 8        | 3/8" Lock Washer              | 99 0000 0111 | 5        |
| 9        | 3/8" Flat Washer              | 99 0000 0682 | 5        |
| 10       | M12 X 1.5 Lock Nut            | 99 0000 0812 | 3        |
| 11       | M12 Flat Washer               | 99 0000 0813 | 3        |
| 12       | 7/16"-14 X 3" Bolt            | 99 0000 0677 | 1        |
| 13       | 7/16"-14 Lock Nut             | 99 0000 0678 | 1        |
| 14       | 7/16" Flat Washer             | 99 0000 0679 | 2        |
| 15       | 3/8"-16 X 1" Bolt             | 99 0000 0680 | 1        |
| 16       | 3/8"-16 Hex Nut               | 99 0000 0681 | 1        |
| 17       | Grounding Wire                | 99 0164 0000 | 1        |
| 18       | 10-24 X 1/4" Machine Screw    | 99 0000 0540 | 1        |
| 19       | Shaker Siphon Assembly        | 99 0153 0000 | 1        |

## Installation Instructions

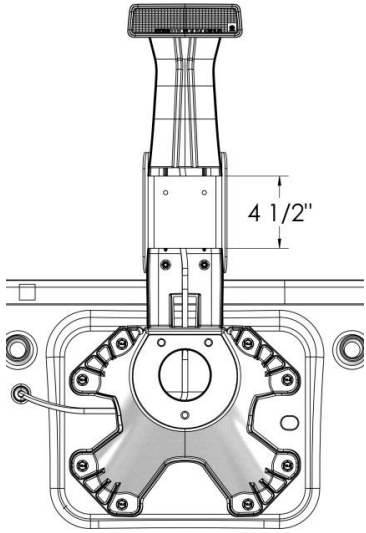
1. Fasten tank mounting bracket to rear of tank body using five 3/8" bolts, lock washers and flat washers. Apply thread locker to bolts and torque to 17 lb. ft. (23 N-m). **DO NOT OVERTORQUE.**



2. If mounting the tank to a tire carrier with an adjustable mount, position the tire carrier so the mounting plate is 6-3/8" (162 mm) from the tire carrier frame. *Note: If installing the tank onto Teraflex's Adjustable Spare Tire Carrier the wheel studs need to be placed in the Teraflex mount in the middle, or 35" tire position. If installing the tank onto Poison Spyder's Rock Brawler Rear Bumper with Tire Carrier, the tire mount channel must be trimmed so it sits flush with the tire mounting plate. The Poison Spyder license plate mount cannot be used.*



3. If mounting the tank to a stock Jeep® JK (2007-Current) tire carrier the 3<sup>rd</sup> brake light must either be extended 4-1/2" (114 mm) or removed. TITAN offers an optional kit #9901660 which correctly extends and secures the brake light. If extending the brake light without TITAN's kit, cut and extend the mount directly below where the brake light attaches to the tire carrier.



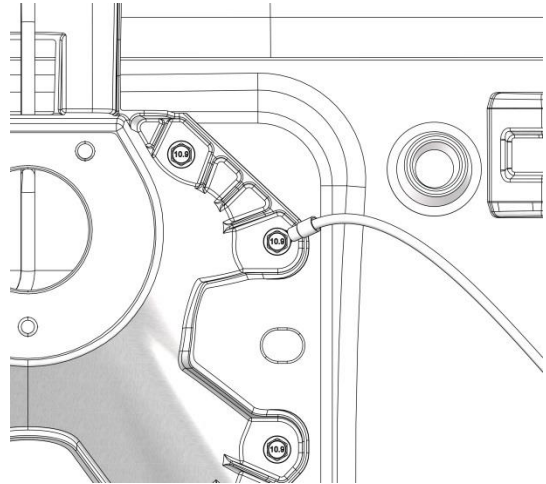
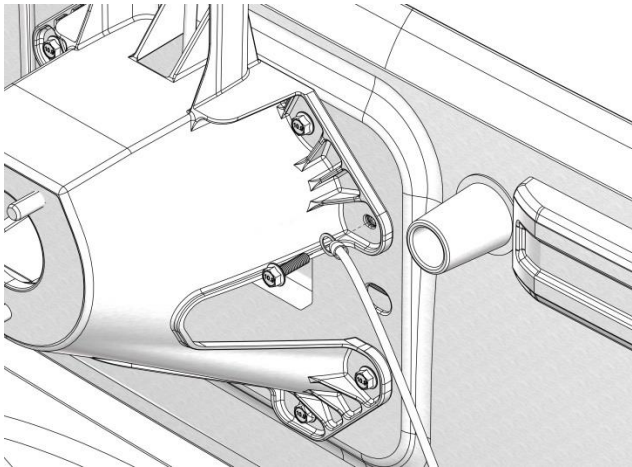
4. If mounting the tank to a stock Jeep® YJ (1987-1996) or TJ (1997-2006) tire carrier, remove the 3<sup>rd</sup> brake light if the vehicle is equipped with one. Using a torx driver, remove the stock bumpers on the tailgate. Attach the provided rubber bumpers in place of the stock bumpers using the OEM hardware. Any bumpers not on the tailgate may remain in place.



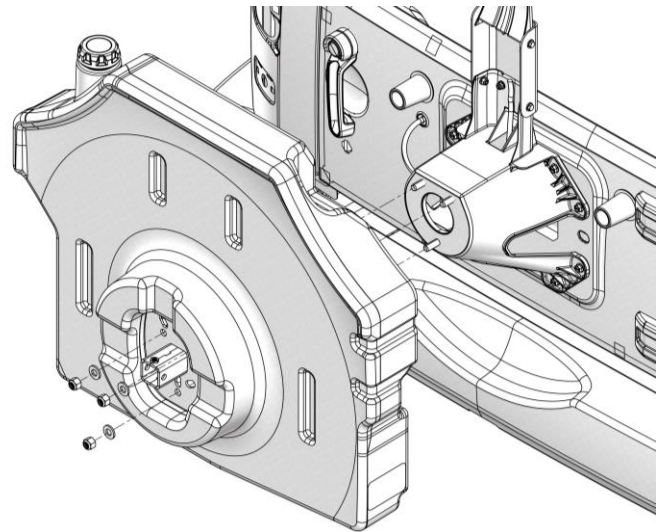
**NOTE:** The Jeep JL has two factory rear tire carrier options. If your Jeep JL came equipped with 285/70R17 tires or larger (Willys, Rubicon, Recon models, etc.), you will need to make a slight modification to the tire carrier. A small cut must be made to provide clearance for the Trail Trekker shown below in red.



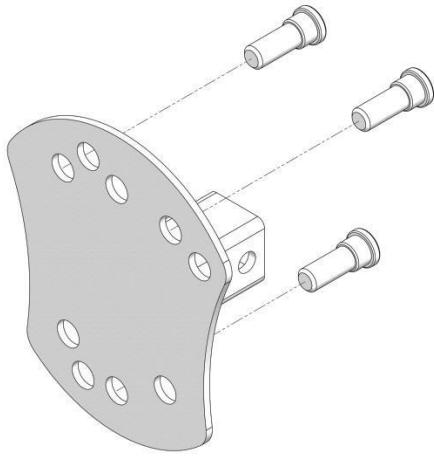
5. Attach the large ring terminal of the grounding wire to a mounting bolt. Be sure the bolt is connected to a metallic part of the vehicle's body or frame.



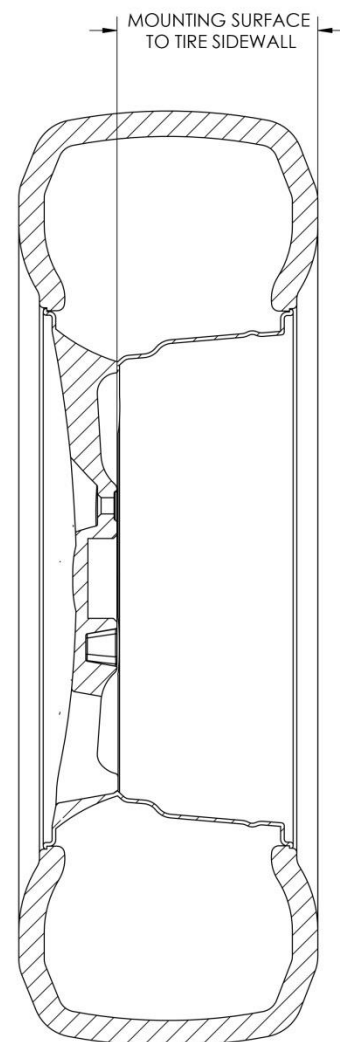
6. Attach the tank body to the tire carrier by securing the tank mounting bracket to the tire carrier wheel studs. Refer to the Mounting Templates on pages 10 and 11 of these instructions to determine which set of holes to use for your application. Secure with flat washers and lock nuts. Torque to 55 lb. ft. (75 N-m). Full tank weighs approximately 100 lbs (45 kg). Be sure mounting point is sufficient for weight.



7. Press the provided wheel studs into the tire mounting bracket. Refer to the Bolt Pattern Templates on pages 12 and 13 of these instructions to determine which three holes to use for your vehicle.

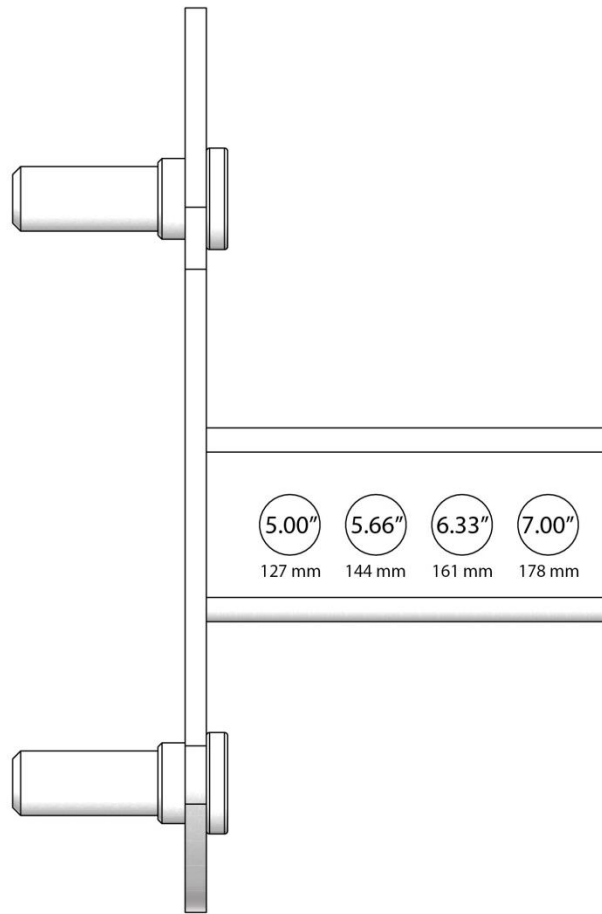


8. Measure the distance from the wheel mounting surface to the bulge in the tire sidewall. Subtract  $\frac{1}{4}$ " (6 mm) from this measurement and record the result.

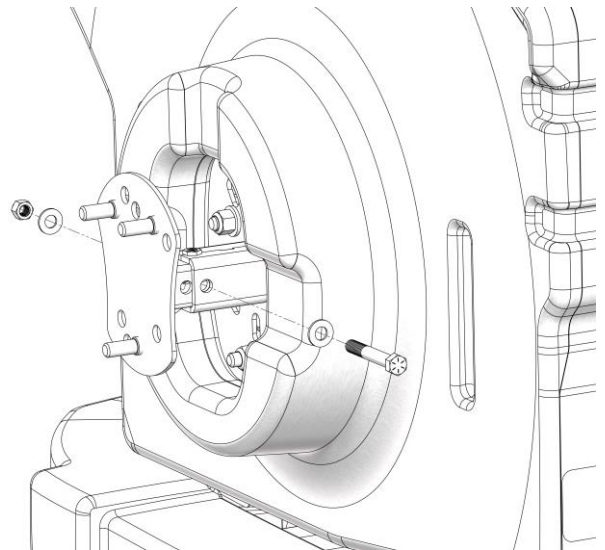


9. Determine which hole of the tire mounting bracket to use. The image below shows the distance from the wheel mounting surface to the tank for each mounting hole. Choose the hole with the value just smaller than the

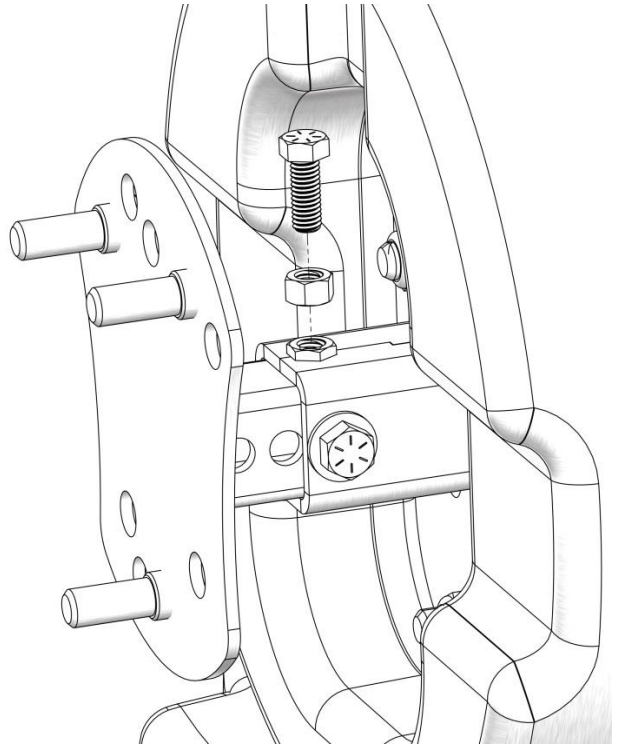
measurement from the previous step. When mounted, the tire should be tight against the tank, and the tank should be tight against the tire carrier. Test fit the tire mounting bracket and spare tire to ensure proper fitment.



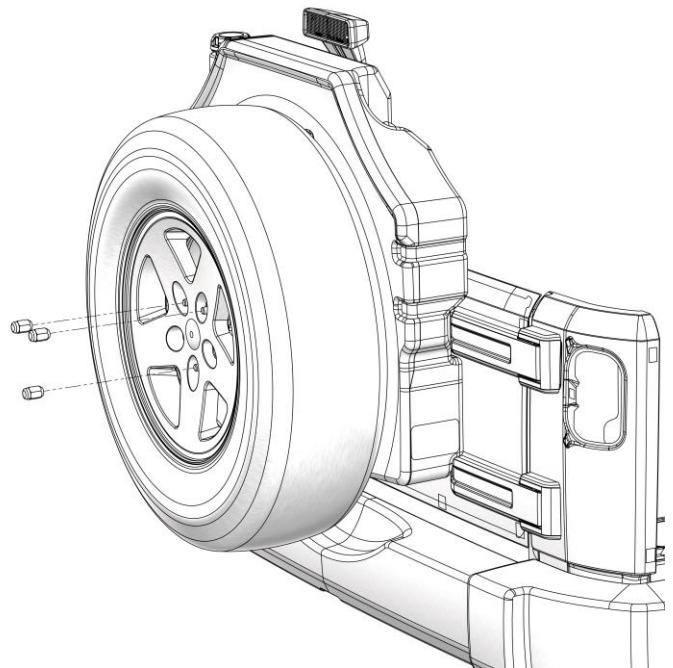
10. Slide the tire mounting bracket into the tank mounting bracket and secure with a 7/16" bolt, washers and locknut. Install the bolt through the hole in the tire mounting bracket determined in the previous step. Torque to 40 lb. ft. (54 N-m).



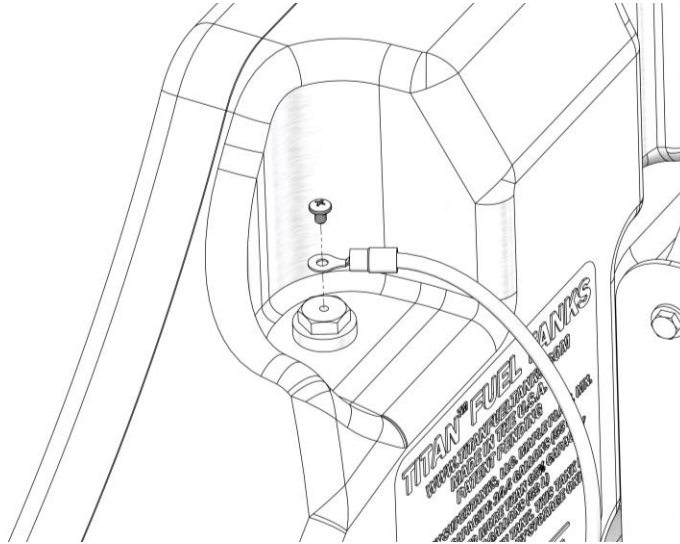
11. Thread the 3/8" X 1" bolt and hex nut into the weld nut on the tubing of the tank mounting bracket. Tighten the bolt and jam nut to 20 lb. ft. (27 N-m).



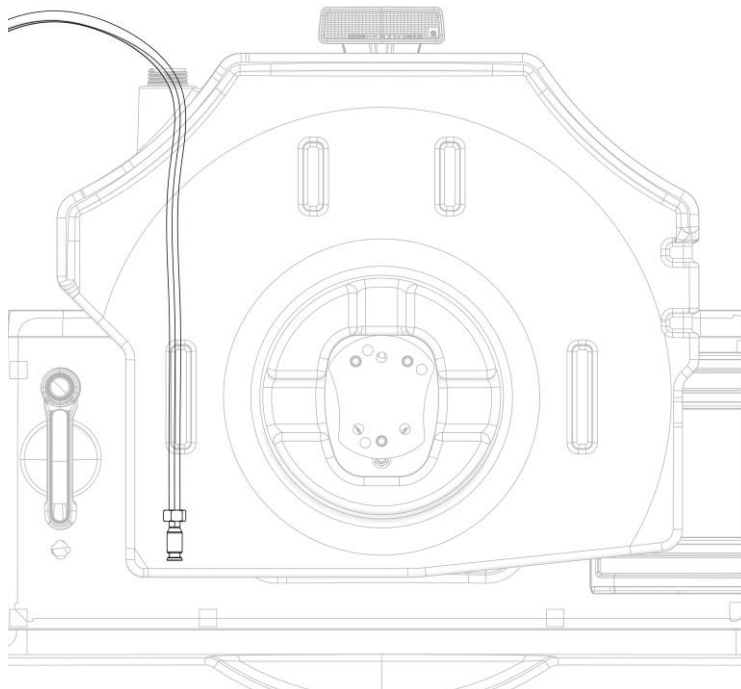
12. Install the spare tire onto the tire mounting bracket using the original lug nuts. Torque to 65 lb. ft. (88 N-m).



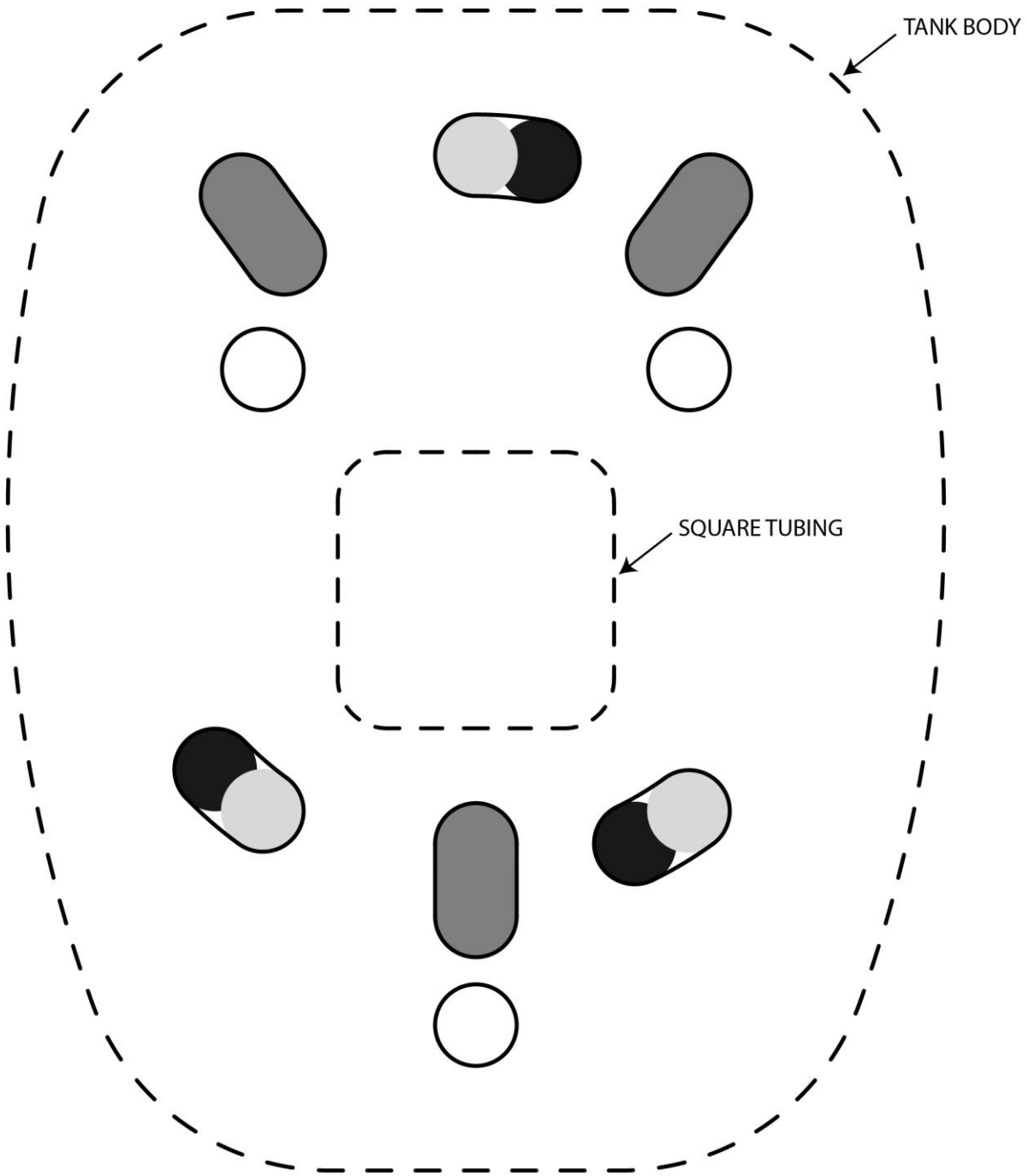
13. Secure the small ring terminal of the grounding wire to the grounding stud using the provided 10-24 machine screw.

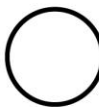


14. To transfer fuel from the Trail Trekker II™ to the vehicle place the shaker siphon into the fill neck of the Trail Trekker II™ tank. Ensure that the shaker siphon reaches the bottom of the tank. Feed the other end of the hose into the filler neck of the vehicle. Feed as much hose into the filler neck as you can to ensure complete drainage of the Trail Trekker II™. Shake the siphon pump to begin fuel transfer. Once a siphon is achieved fuel will automatically transfer until the shaker siphon is removed from the tank. If your vehicle is equipped with an anti-siphon flapper, disable the flapper with a slotted screwdriver and ensure there are no kinks in the hose before siphoning fuel. The shaker siphon comes packaged in an 8 mil reclosable plastic bag. Store shaker siphon in this bag when not in use. *Note: If transferring fuel to a Jeep® JK you should be able to feed 22" (560 mm) of hose into the filler neck without it kinking.*

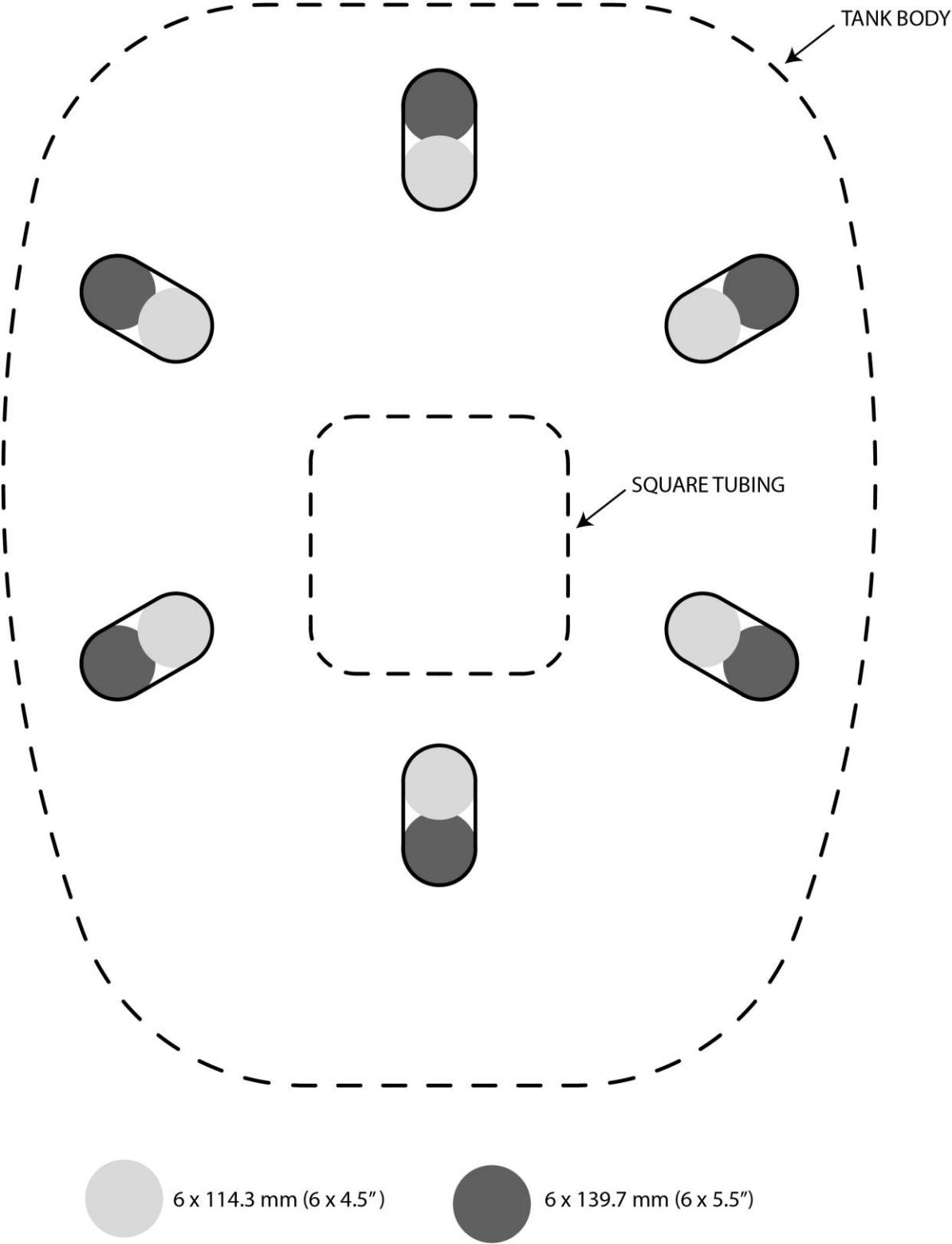


5 STUD MOUNTING PLATE ORIENTATION TEMPLATE

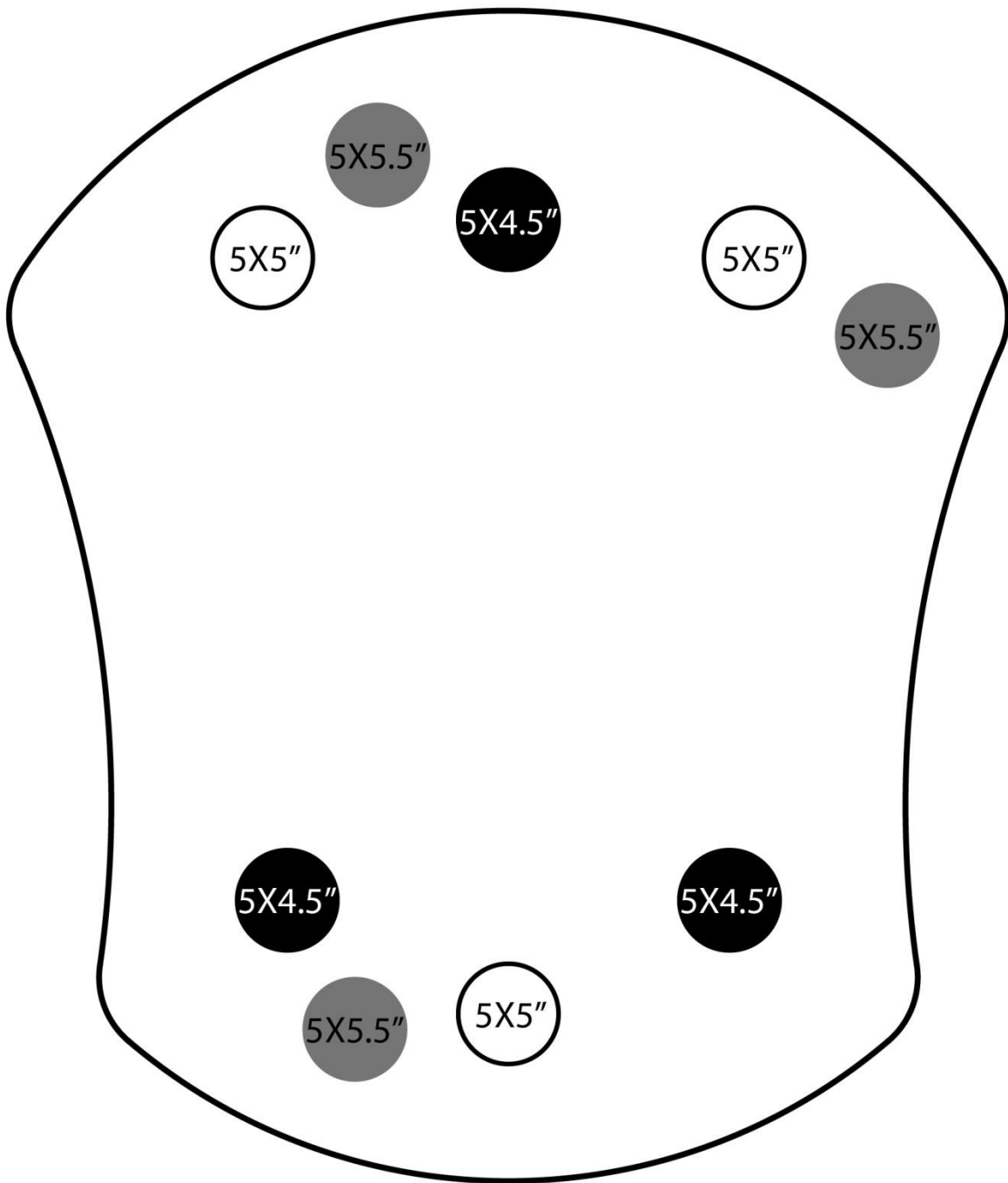


- |                                                                                                           |                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|  STOCK JK TIRE CARRIER |  5 x 4.5", 5 x 5" AND 5 x 5.5" |
|  5 x 5" INVERTED       |  POISON SPYDER 5 x 5"          |

6 STUD MOUNTING PLATE ORIENTATION TEMPLATE



## 5 STUD WHEEL BOLT TEMPLATE

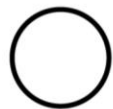
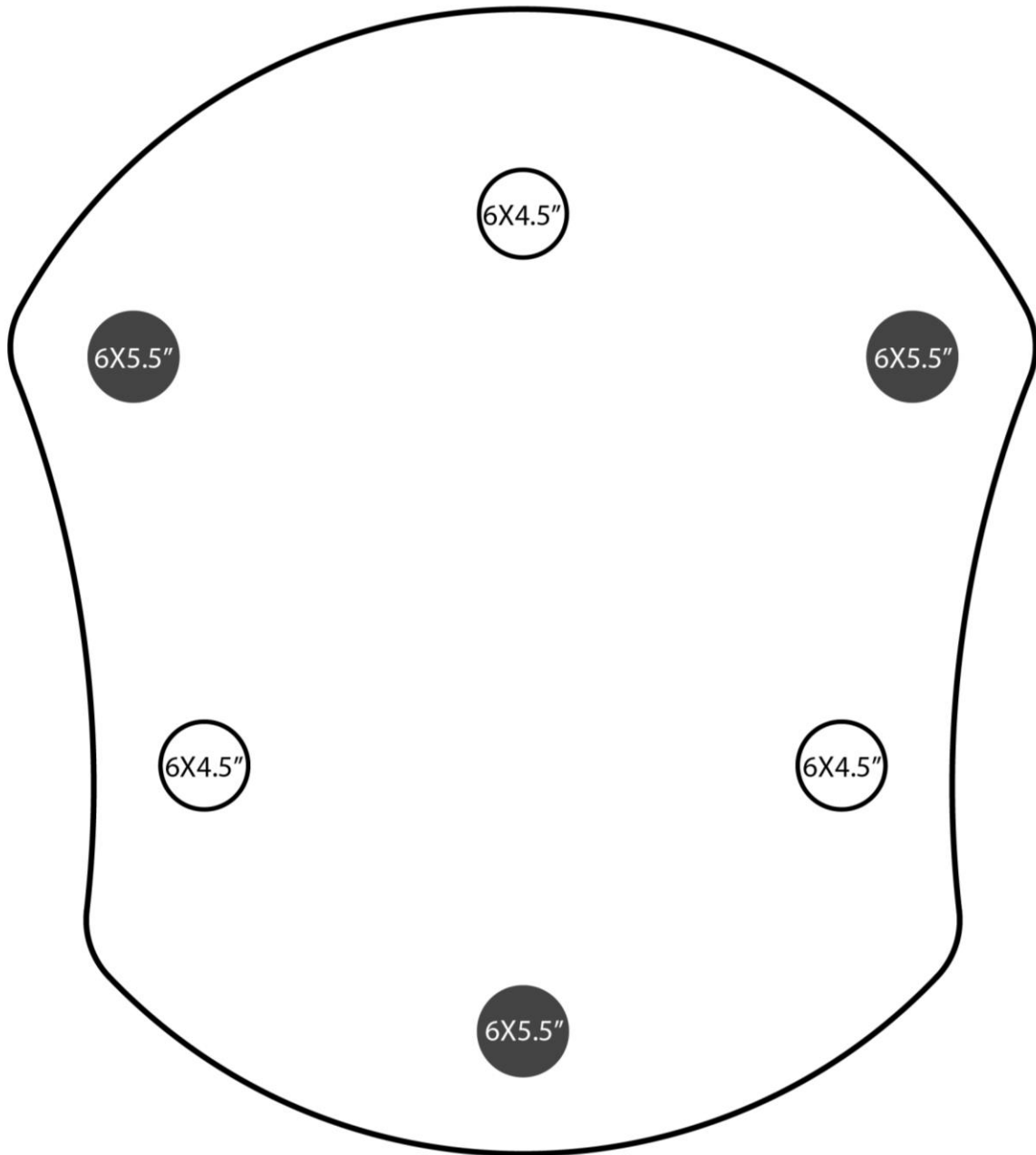


**5 X 4.5"** - Jeep YJ (1987-1996), Jeep TJ (1997-2006)

**5 X 5"** - Jeep JK (2007-Current)

**5 X 5.5"** - Jeep CJ

## 6 STUD WHEEL BOLT TEMPLATE



6 x 114.3 mm (6 x 4.5")



6 x 139.7 mm (6 x 5.5")

## FJ CRUISER SPECIAL INSTRUCTIONS

If installing the Titan Tanks Travel Trekker II on the stock tire carrier of a Toyota FJ Cruiser, modifications will be necessary for proper fitment. Using a cut-off wheel, carefully trim the stock tire carrier to allow clearance for the Travel Trekker II. Use the reference photos below to match the trimming shape and ensure proper alignment and clearance.



## **WARNING**

**Do not store fuel in tank. This tank is designed for temporary storage only.**

**Full tank weighs approximately 100 lbs. (45 kg). It is the customer's responsibility to ensure the mounting point is sufficient for weight.**

Tank must be properly grounded at all times. Always use a proper siphon pump. Never siphon fuel by mouth. Gasoline is extremely flammable. Keep away from flames, sparks and other ignition sources. Store only in a well ventilated area. Use out-doors only. Always wear eye protection when filling. Avoid prolonged breathing of vapors. Keep out of reach of children. Gasoline is known by the state of California to cause cancer.

Be sure to return the completed warranty registration for your new Trail Trekker Tank. Warranty form must be filled out and returned within sixty days of receipt for warranty to be valid.

The serial number is etched into the tank body. It is located in a text box on the rear of the tank below the cutout for the grounding stud.

## **Patent Pending**

Jeep® is a registered trademark of Fiat Chrysler Automobiles N.V., and has no affiliation with TITAN Fuel Tanks.



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**TITAN Part No. 99 0000 0833**

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