



Trailer Assembly Guide
Model MMT5X7
2050 GVWR All Steel Trailer

DETAIL K2 INC.

1080 Clay Ave., Unit #2
Burlington Ont. L7L 0A1
1-888-277-6960

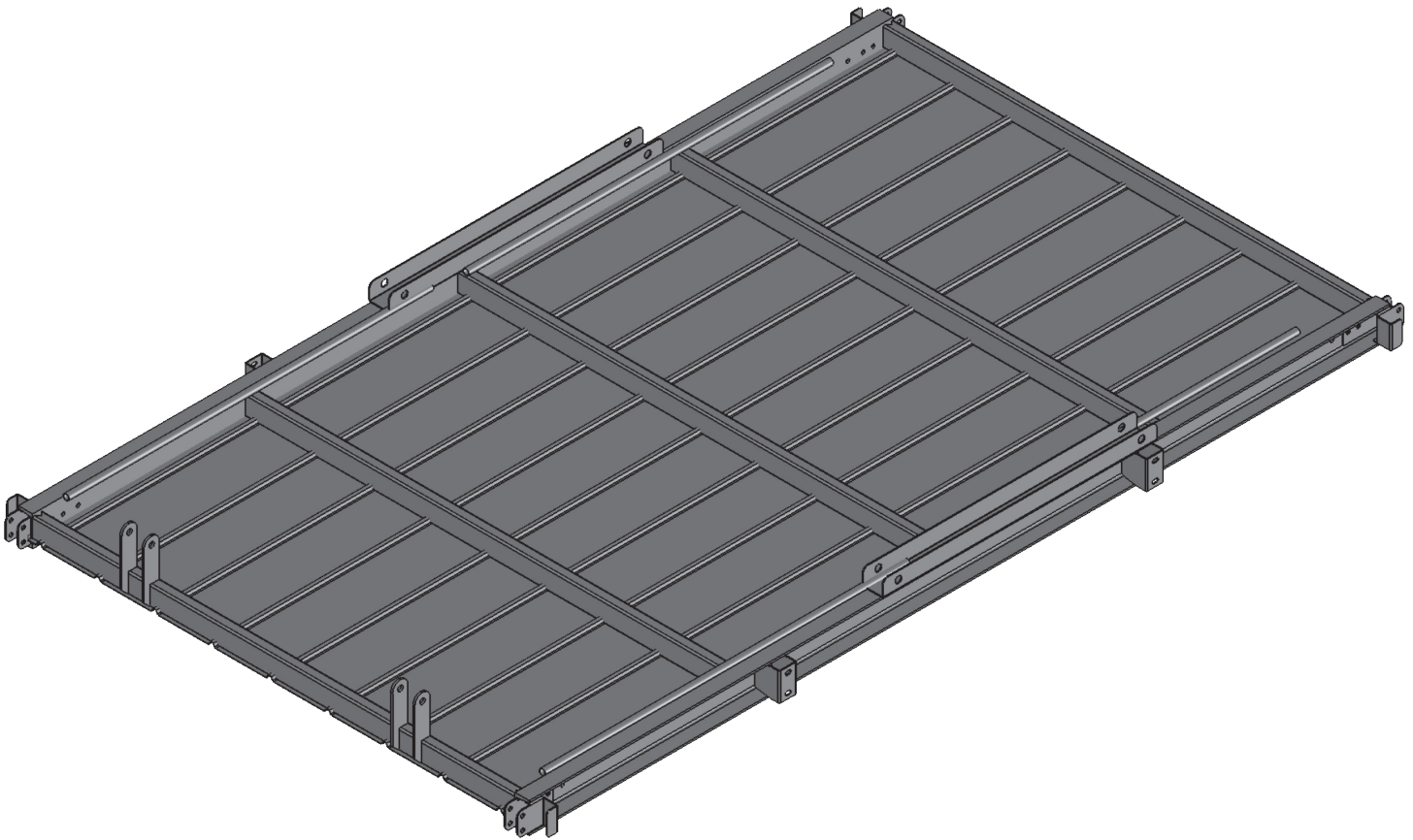
7.5 ft. (229 cm)
Utility
Trailer



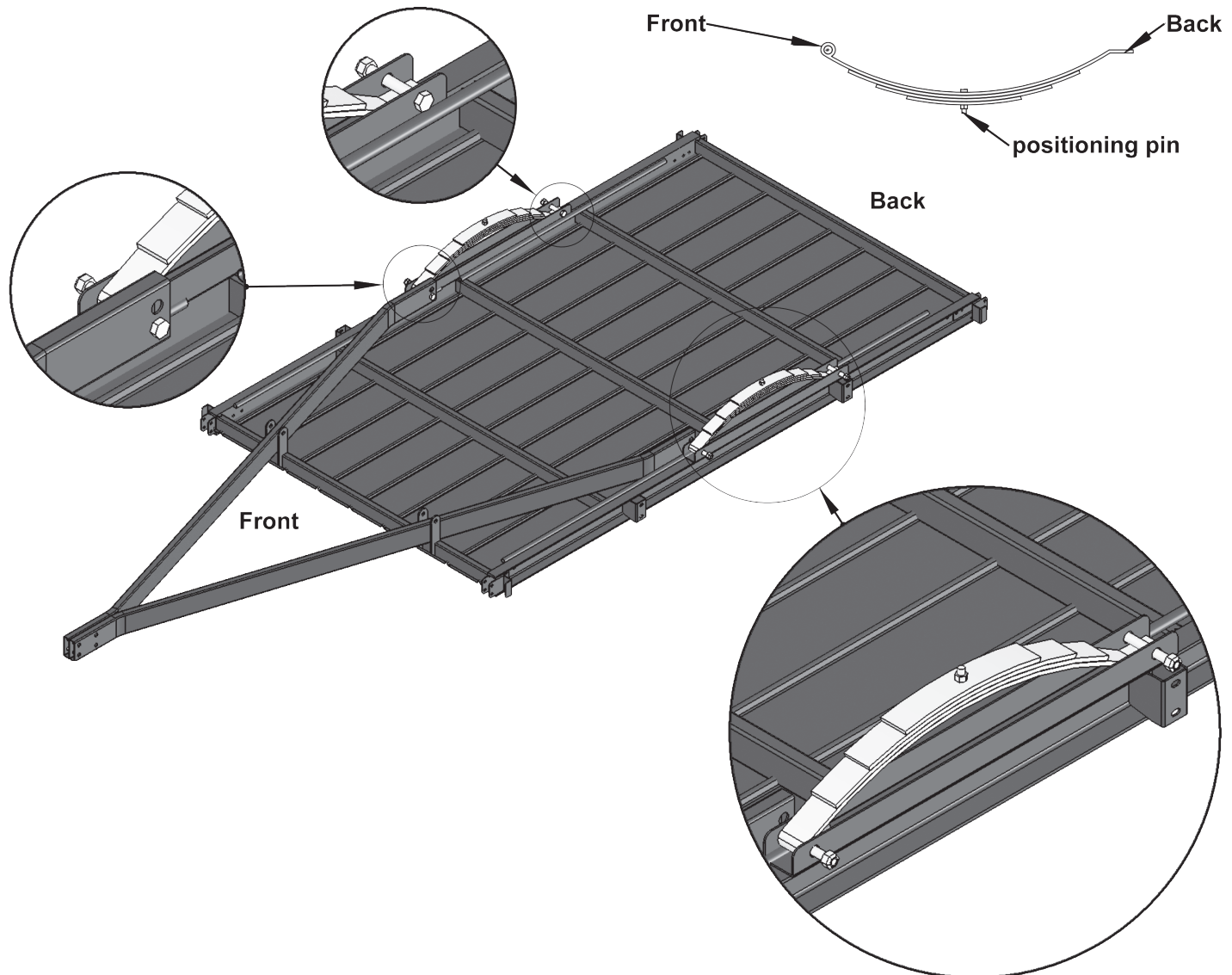
STEP 1

Open and unpack all items. Leave lots of working space as you will need to flip the trailer over later in the assembly.

The trailer frame is shipped upside down as shown. Leave the frame on the cardboard and use it as your work surface.



STEP 2

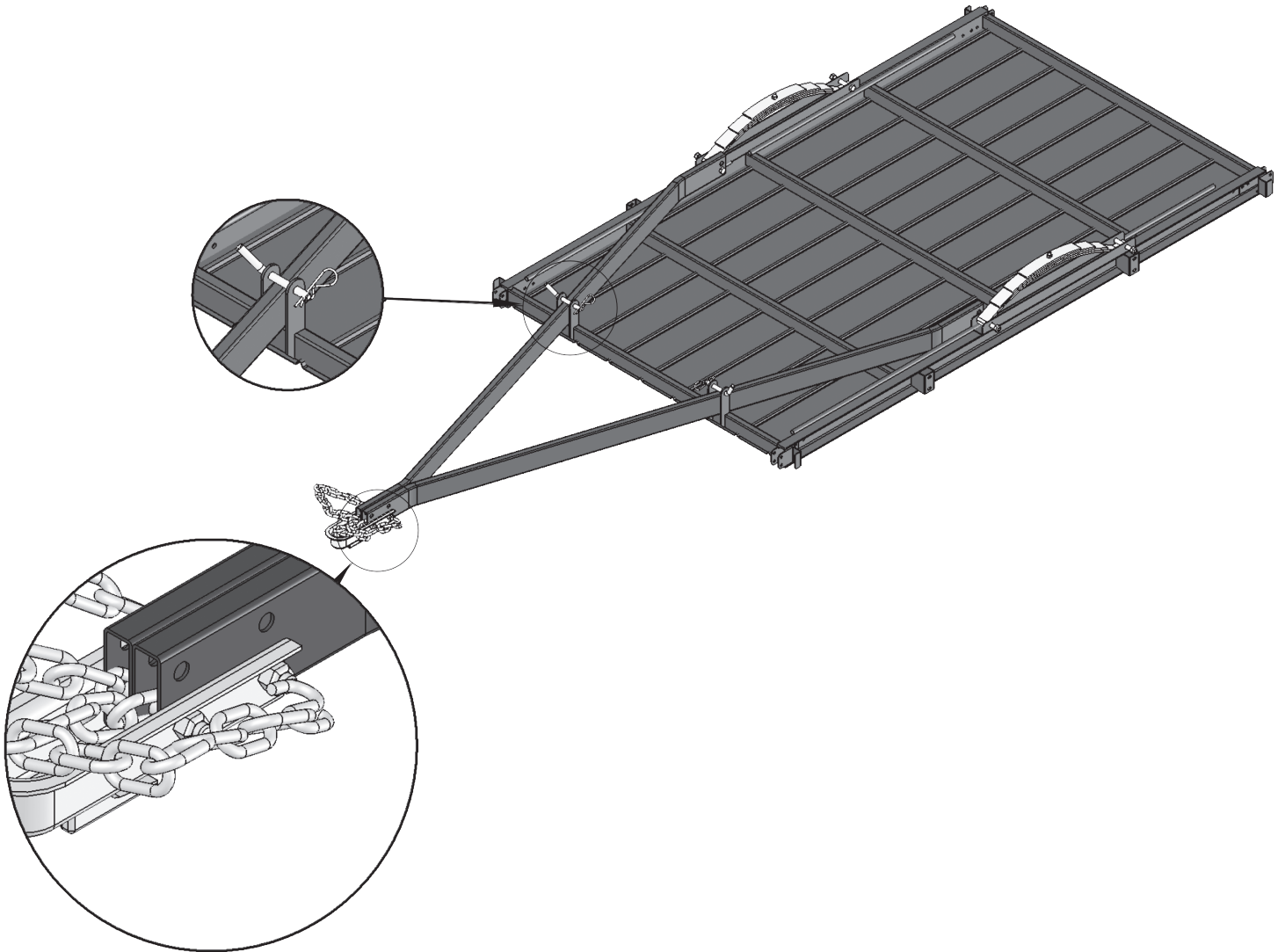


Place springs and tongue tubes as shown, the hub end of the spring faces towards the front of the trailer, insert the two M12 x 115 mm bolts from inside out through the tongue tube then the spring hub on the front. Use the M12 x 90 mm bolts at the back, again inserted from the inside out ward. Install the M12 lock nuts finger tight on the outside of the frame.

Tighten until spring is secure. Do not over-tighten as it will collapse spring channel.

STEP 3

Insert the two 1/2" hitch pins as shown.



Install the coupler and safety chains using the M12 x 75 mm bolts and M12 lock nuts provided.

The front bolt passes through the end link of the each safety chain as it is inserted through the tongue tubes. One safety chain in the end of the left hand tube, one in the right hand tube. Tighten both bolts.

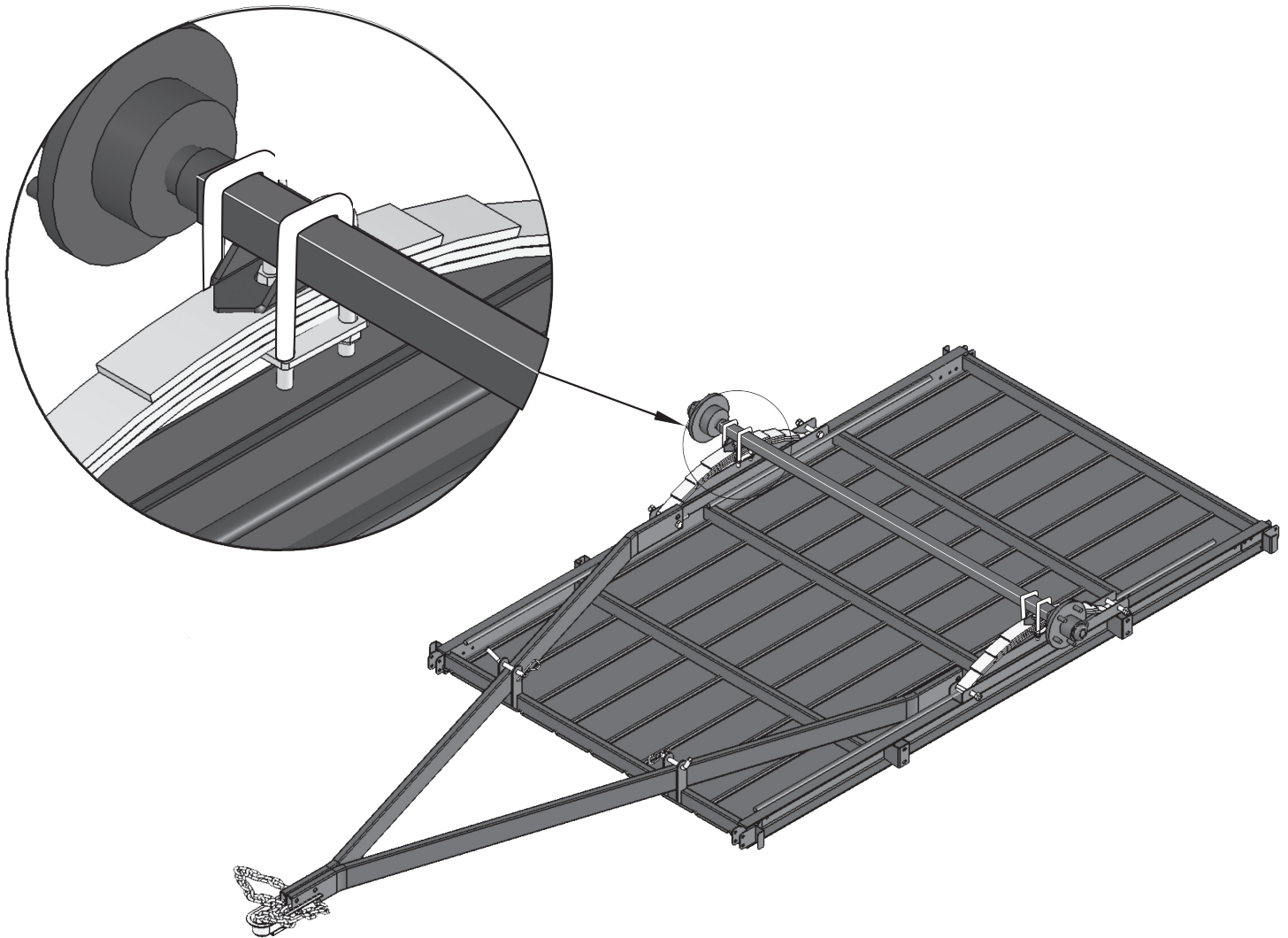
STEP 4

Lay the axle across the springs. Mount the axle to the springs with the M10 U – Type bolts, left spring plate, M10 washers, and M10 nylock nuts.

NOTE: *Insert the raised point on the spring into the concave on the axle.*

Make sure that the axle is in the right position.

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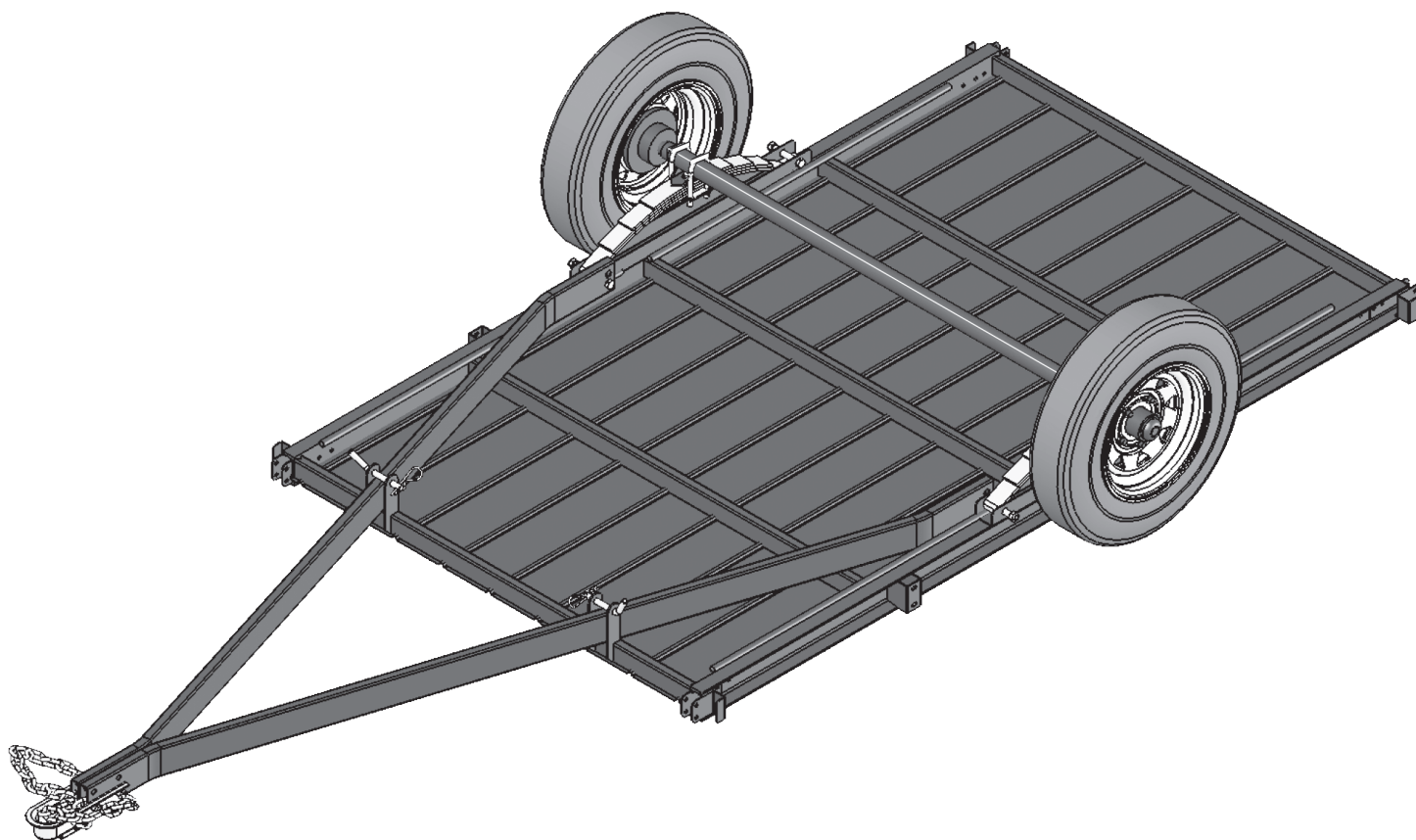


STEP 5

Install the tires. Snug all ten wheel nuts provided.

The wheel nuts will need to be torqued after the trailer is flipped over and the wheel can be better held.

NOTE: *Tapered ends of wheel nuts face inward toward wheel.*



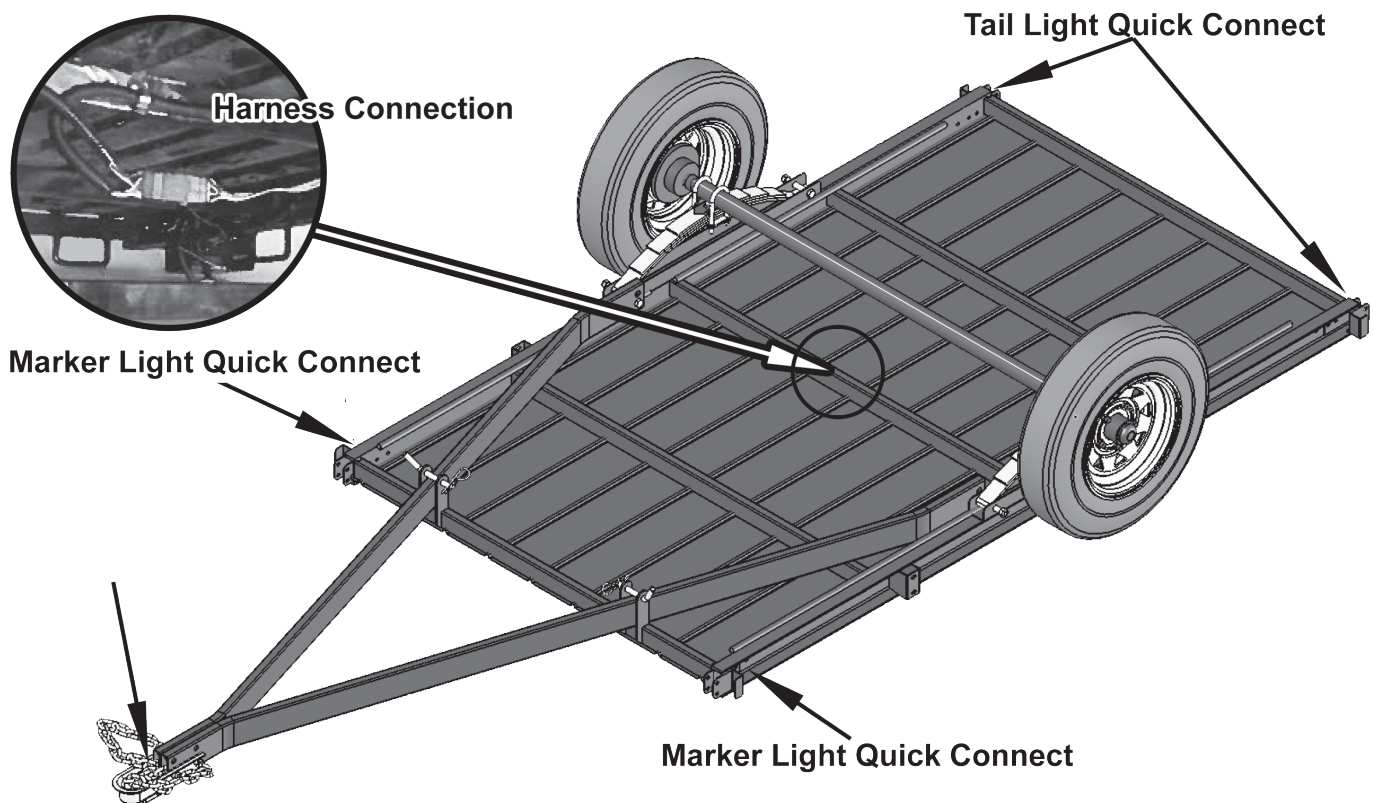
STEP 6

Pre-Wiring

The wire harness are pre-assembled under the frame. The pre-assembled wiring harness is pre-mounted on the trailer and must be connected to the harness that goes to the front of the trailer tongue.

NOTE: *Make sure all connections are accessible for light mounting when trailer is flipped over.*

Mount the light assemblies onto the side of the rear portion of the frame using the M6 square neck bolts, M6 washers and M6 nylock nuts. Plug the light connector into the wire harness. Mount the side marker onto the side of the front portion of the frame using the self-tapping screws. Plug the light connector into the wire harness.



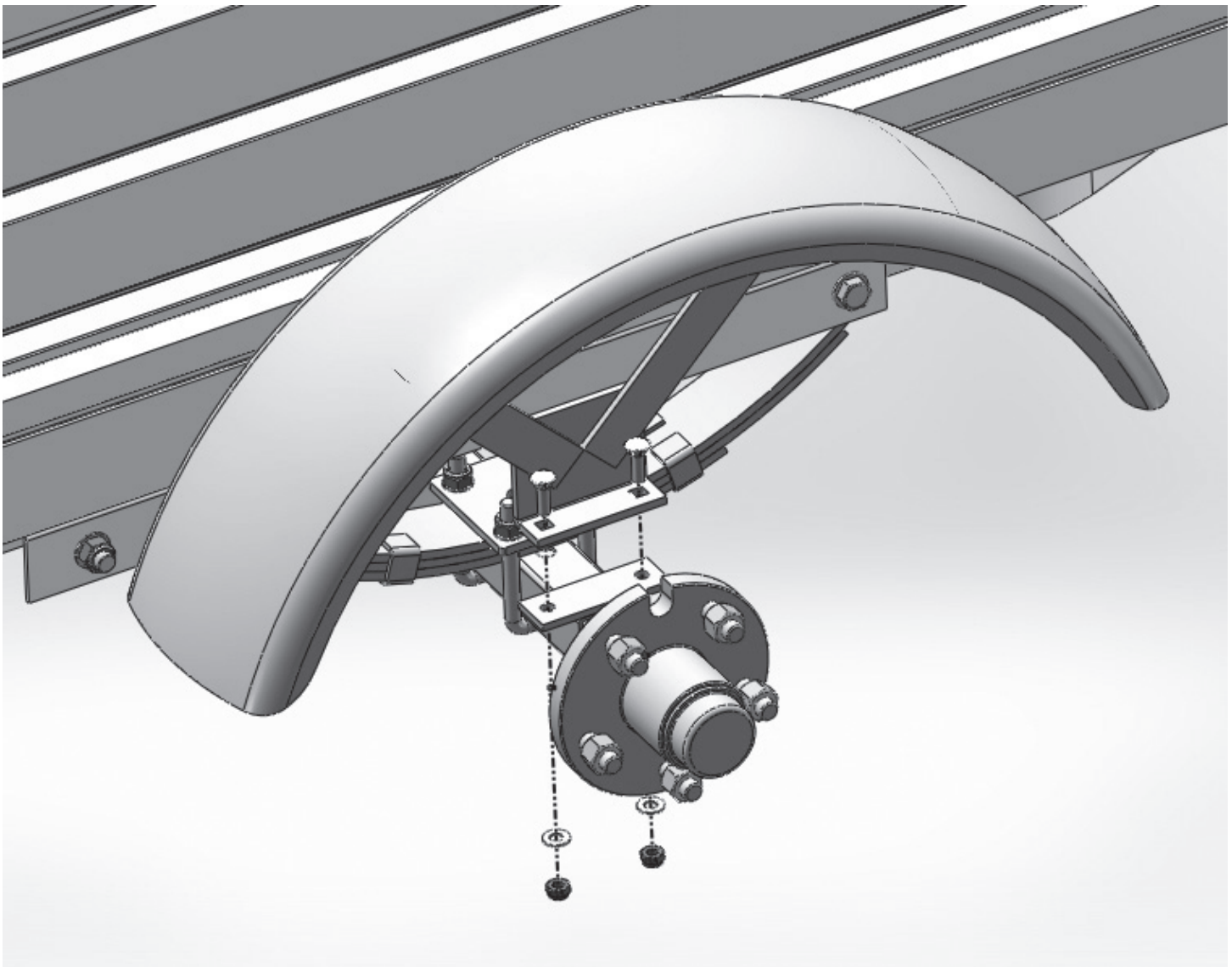
STEP 7

Flip the trailer over and install the fenders



CAUTION! *Rolling the trailer over will require assistance. The trailer at this point weighs an estimated 400 lb. (181.4 kg).*

The fenders now need to be assembled. Secure each fender by fastening the nuts and bolts provided with the fender to the rectangular plate on the axle. You may have to temporarily remove each wheel and support the axle while mounting each fender in turn.

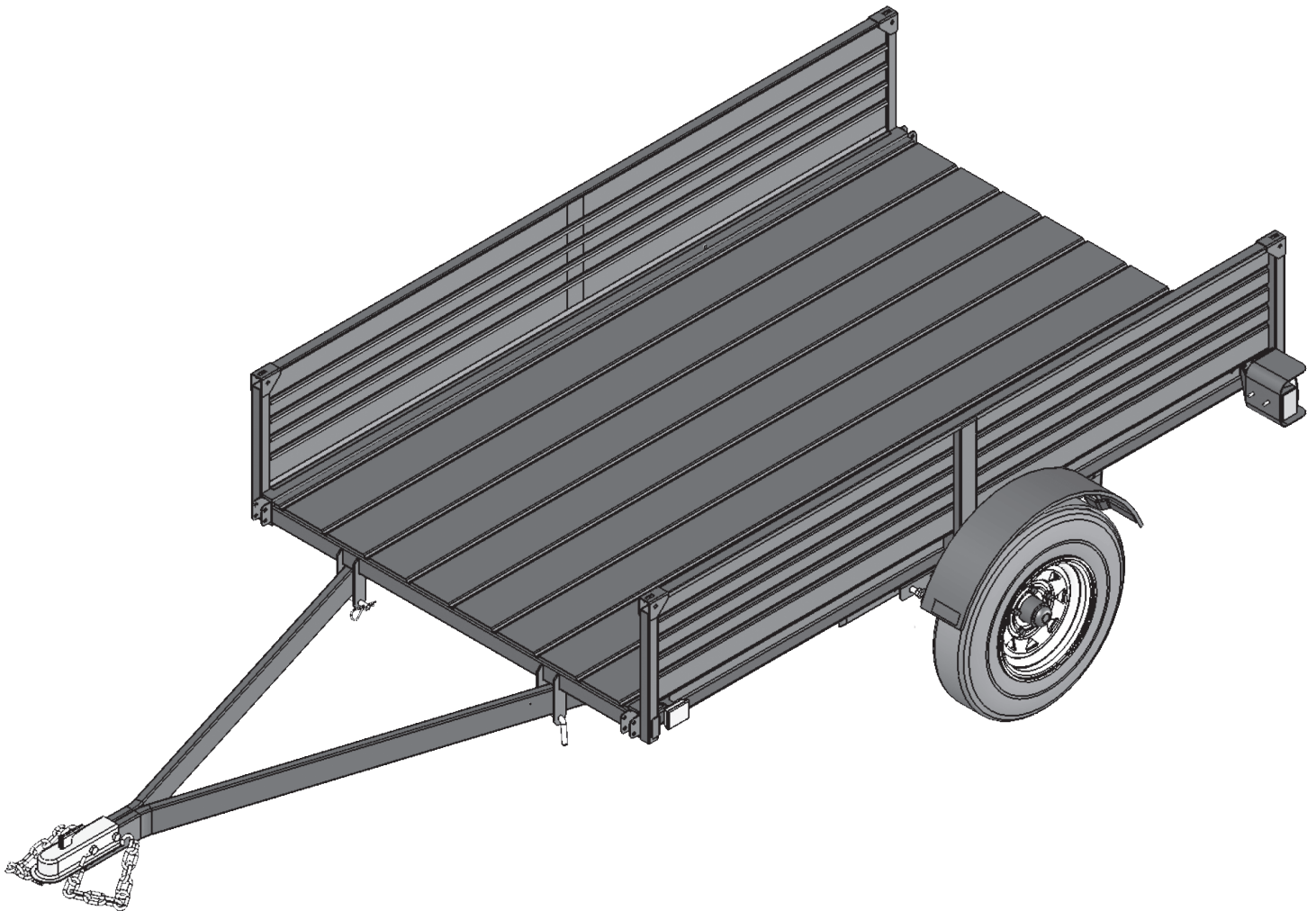


STEP 8

Install side panels.

Insert and tighten the eight (four on each side) M8 x 20 mm bolts and M8” lock nuts provided.

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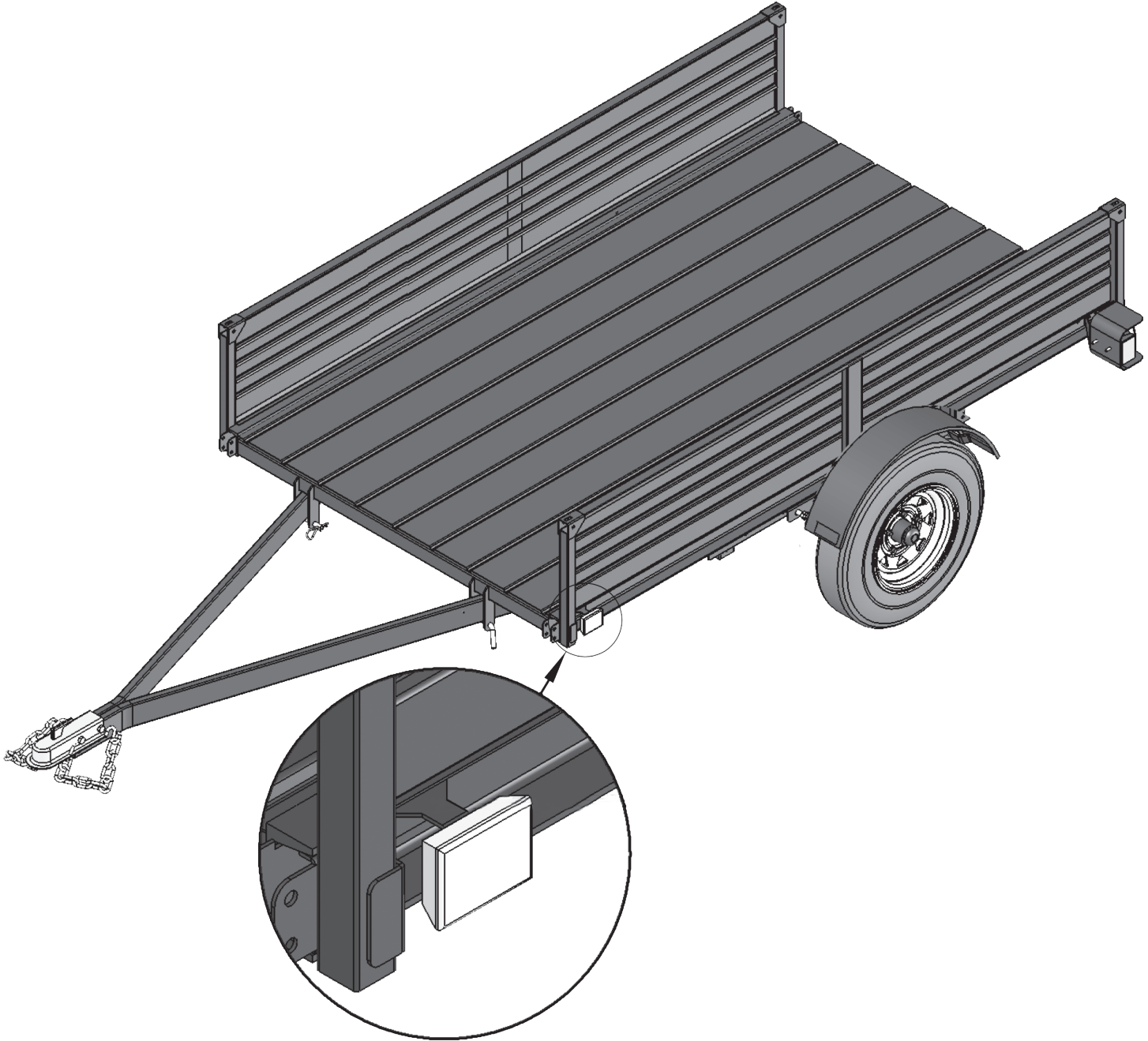


STEP 9

Install lights.

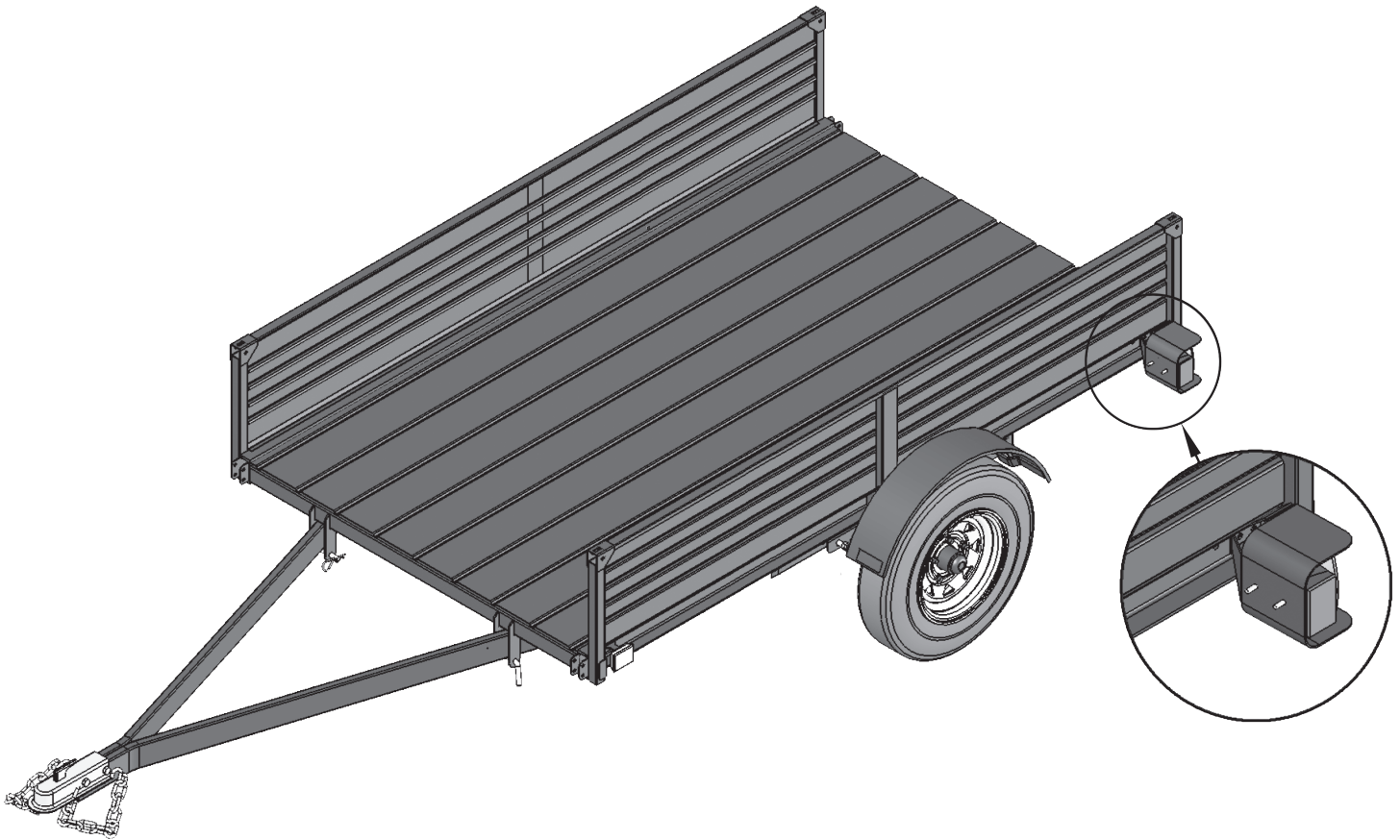
Installing the lights and completing the wiring.

Mount the side marker onto the side of the front portion of the frame using the self tapping screws. Plug the light connector into the wire harness.



NOTE: Use Dielectric grease on each connector for corrosion prevention

STEP 9 (CONTINUED)



Attach rear light brackets and install light assemblies. Connect light assembly to wiring harness.

The driver's side light is the one with the clear lenses on the bottom, the licence plate bracket needs to be installed on the driver's side as well at the same time of assembly. Attach all necessary wiring and fasten lights to side of trailer.

STEP 10

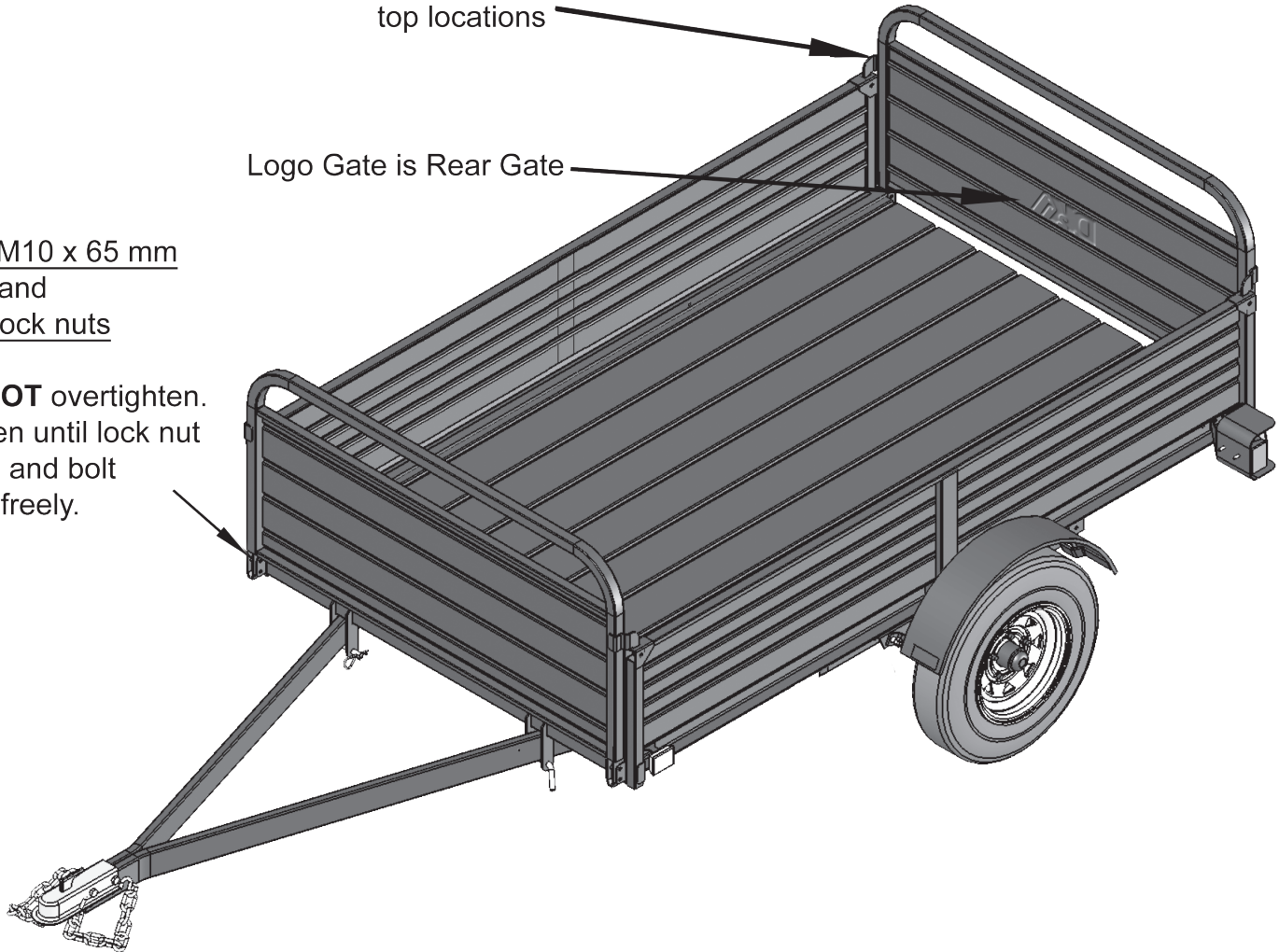
Install gates

Pins to be used at
top locations

Logo Gate is Rear Gate

Four M10 x 65 mm
bolts and
M10 lock nuts

DO NOT overtighten.
Tighten until lock nut
grabs and bolt
turns freely.



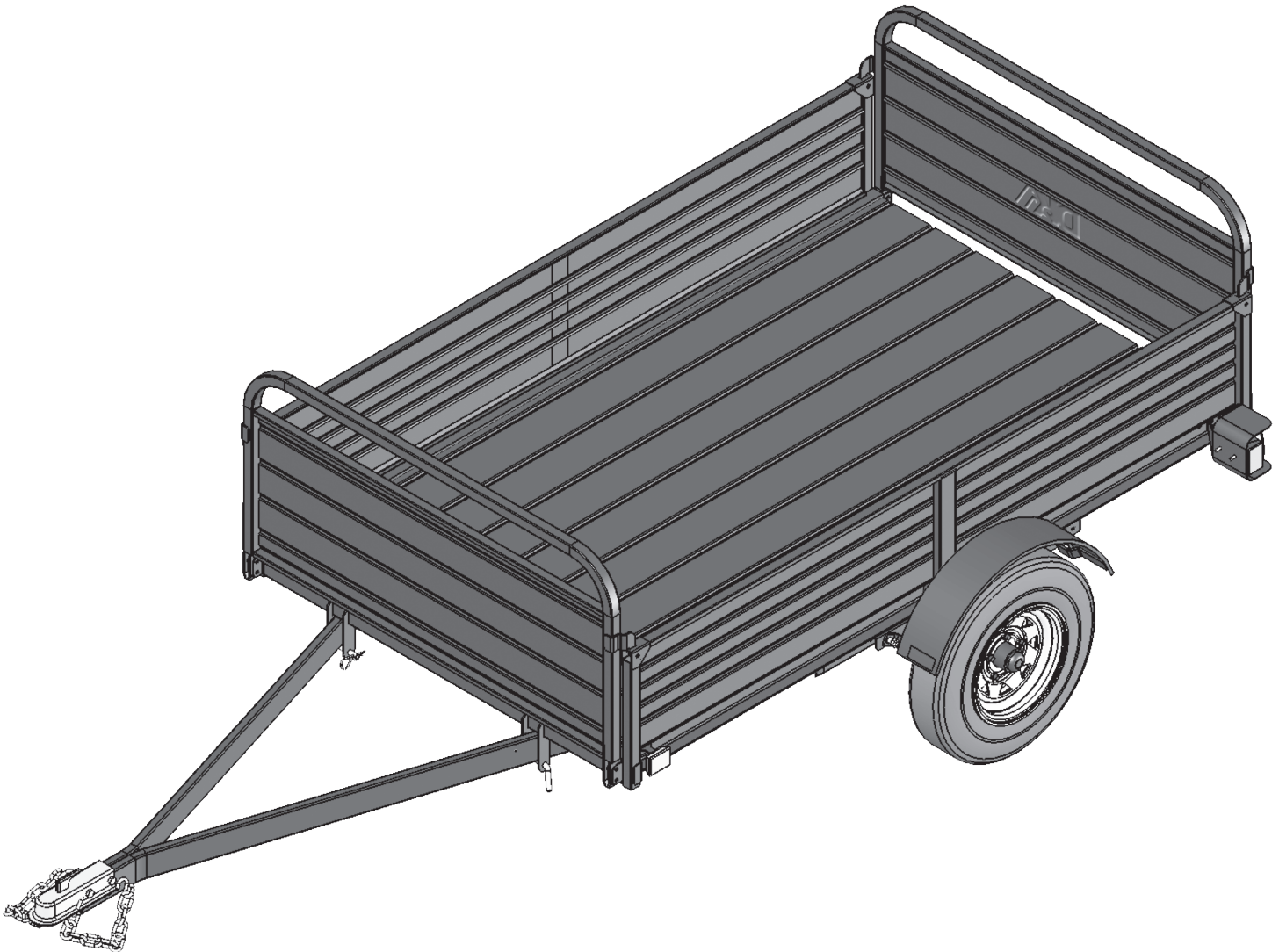
FINAL STEPS

MUST TORQUE WHEEL NUTS TO 80 lb.

Connect to vehicle to confirm all lights are working correctly.

Inspect trailer once more to make sure all steps were completed properly. Remember to recheck all nuts before use to make sure they are all properly tightened.

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CAUTION: *It is the trailer owner's responsibility to periodically check all hardware is secure and fastened properly*



MMT5X7 Owner's Manual

DETAIL K2 INC.

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Read the owner's manual over carefully before you begin using your trailer.

**7.5 ft.
Utility
Trailer**



The following pages contain the assembly diagrams and complete parts list

IMPORTANT SAFETY CHECK LIST

Trailers are generally not used everyday. Your trailer may sit for extended periods of time between uses making it very important to check all components thoroughly before each use. Following these simple instructions will maximize the life of your trailer and help you safely transport your cargo.

DO NOT ABUSE THE TRAILER. Trailer performance is best if you follow the guidelines set forth in this manual. Do not force the trailer to do a job it's not designed for. Know your trailer; learn its applications and limitations.

1. Make sure the towing vehicle as well as the hitch is capable of towing the trailer. Check your vehicle owner's manual for trailering ratings.
2. Inspect the trailer and all of its parts before each use.
3. Check the operation of all lights. Operating lights are mandatory on a trailer.
4. Check to ensure Wheel Bolts are tight. Torque to 80 ft.-lbs. Re-tighten after the first 50 miles or 80 kilometers.
5. Check the tire pressure. Maximum 80 PSI (552 KPA) when carrying the maximum rated load.
6. Re-pack the wheel bearings every 2000 miles or 3200 kilometers or a minimum of once every year.
7. Check that the trailer coupler is fastened securely onto the trailer ball. The trailer ball must be a 2" ball.
8. Make sure the safety chain is attached to the trailer and the towing vehicle.
9. If your trailer has an optional side kit, make sure all bolts and pins are in place before transporting your trailer.
10. Do not exceed the Gross Vehicle Weight Rating (G.V.W.R.) which is shown on the trailer serial / certification label.
11. Balance and secure the load on the trailer. See "Trailer Loading" section in this manual.
12. Lubrication of the coupler, springs and the tilt mechanism should be done periodically to stop corrosion and keep parts moving freely.



DANGER

- **KEEP CHILDREN AWAY.** Be sure children are kept a safe distance from the trailer operating area.
- **NEVER SIT OR RIDE ON THE TRAILER.** Serious injury or death could occur.
- **EXERCISE EXTREME CAUTION WHEN TILTING THE TRAILER.** There are many areas of the trailer where injury can occur if used improperly. The trailer may tilt quickly and unexpectedly during the loading and unloading process. The tilt option should not be used for heavy loads.
- Ramps should be used for loading heavy items.
- **DO NOT** drive with the trailer in the tilted position.
- **DO NOT** load more than one all-terrain vehicle on to this trailer.
- If the trailer is incorrectly attached to the vehicle, it could pull away from the vehicle and fall off.
- Secure trailer to the towing vehicle before transportation. Make sure coupler is locked and the safety chains are attached to the trailer and the vehicle.
- Secure your cargo into the trailer properly and in compliance to local laws.
- When driving do not exceed the speed limit. Braking time can be considerably longer when a vehicle is towing a loaded trailer.
- Any modifications made to the trailer or parts of the trailer will void the trailer warranty and release Detail K2 Inc. of any responsibility for damages, injuries or accidents incurred.

Replacement Lenses

Rear Red Lens (Large)	41237
Rear Red Lens (Small)	41238
Marker Lens (Orange)	41239

- **ONLY USE ORIGINAL EQUIPMENT PARTS AND ACCESSORIES.** Consult **Detail K2 Inc.** for the recommended accessories. The use of improper accessories may cause hazards or injuries.

LIGHTING & WIRING MAINTENANCE

WIRING LEGEND

Symbol	Color	Description	Operation	
G	Green Wire	Passenger Side (Right)	Right Signal	Brake
B	Brown Wire	Running Lights	Tail light marker	Yellow Front Side Markers
Y	Yellow Wire	Driver Side (Left)	Left Signal	Brake
W	White Wire	Ground	Trailer Ground	

- **NOTE:** Brake light goes out on the side that is signaling.
- Lower filament (Brighter light) = Brake & Signal
- Higher Filament (Dimmer Light) = Running Lights

To test vehicle wiring;

You will need a 12v light tester. Attach the wire clamp of the tester to the ground wire on the vehicle plug. Then touch the tester pin into one of the vehicle plug contacts. Turn on the corresponding vehicle operation i.e. Running lights. This will illuminate the tester light if the vehicle wiring is correct. Follow this same procedure for the signal and brake lights.

To test the Trailer wiring;

Once you have confirmed that the vehicle trailer plug is operating properly, connect the trailer plug to your vehicle. Proceed to test each of the lights and power leads using your 12v light tester. Follow the wiring legend and diagram to test each corresponding wire for power when trailer light is not operating. Always be sure to check your brake, running and signal lights before each use. Make sure that all of your connections are solid and that all wiring is in good condition.

Note: Bare, stripped or pinched wire will cause a short in the trailer, which will cause the vehicle fuse to blow. A solid ground is required for your lights to work properly. All contacts must be to bare metal. Light covers should be well maintained and kept clean. Be sure that your lights are always visible, not obstructed by your load.

LOADING YOUR TRAILER

A/B. Distribute the weight evenly.

- C. Center the load over the axle, keeping about 10% of the weight on the tongue. (If vehicle wheels are not on a crossbeam you will need to add wood to the floor to support each axle).
- D. Center the load from side to side.
- E. Always secure your cargo into the trailer properly and in compliance to local laws.



CAUTION

Do not build your trailer load higher than 3'. Higher loading will affect trailer handling due to increased wind resistance. This may cause violent movements, accidents and serious injury.

TRAILER CAPACITY:

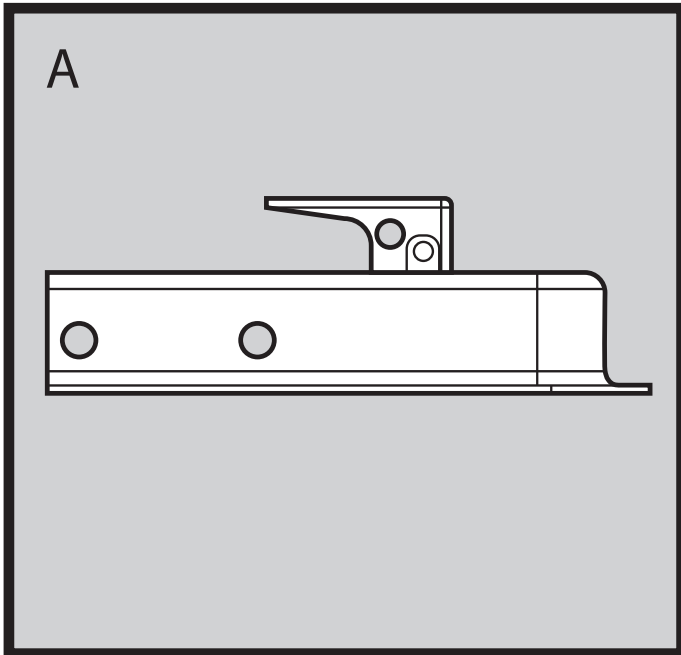
- Never overload your trailer. Each trailer has a maximum payload that should not be exceeded. Overloading your trailer could cause serious damage to your trailer as well as the towing vehicle. Please refer to your trailer serial / certification label located on the frame of the trailer for capacity details.
- The Gross Vehicle Weight Rating (G.V.W.R.) is:
The Weight of the Trailer + The Maximum payload the trailer can carry. The trailer weight and the payload must not exceed this (G.V.W.R.) weight rating.
- Be sure that any load carried in your trailer does not extend beyond the frame of your trailer. Never place loads on one side only.

Tongue Weight

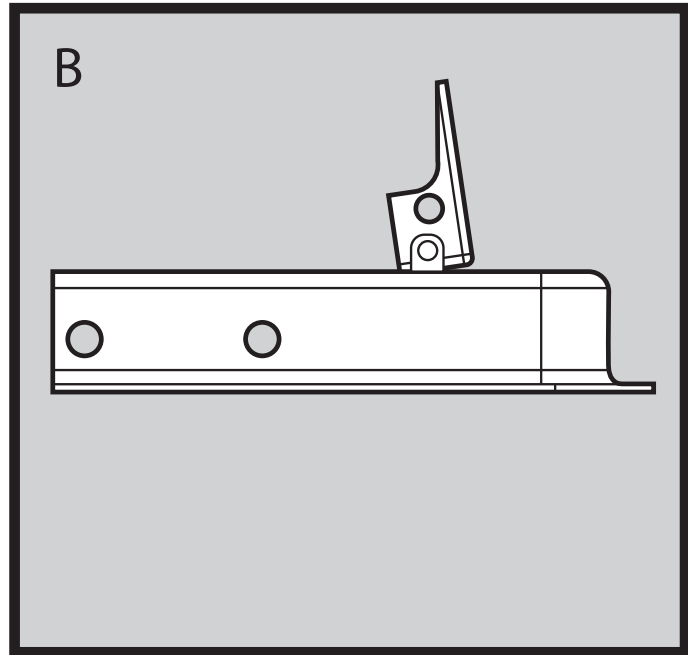
- The tongue weight is 10% of the load (this does not include the weight of the trailer).
- The load is divided so that 90% of the load is over the axle and 10% is over the tongue.

TRAILER COUPLER

A = Locked



B = Unlocked



To adjust coupler to ball;

Set coupler and tongue on to the 2" trailer ball on your vehicle.

Raise the locking lever, push up on channel lock and turn nut to tighten or loosen the coupler.

Proper adjustment is obtained when coupler is as tight as possible on the ball and locking lever can still be opened and closed.

Before towing your trailer be sure to check the capacity of your trailer hitch on your vehicle (never exceed this or your trailers capacity). The Detail K2 Trailer is equipped with a 2" coupler and must be used with a 2" trailer ball. Make sure that the trailer ball is completely engaged in the coupler ball

WHEEL BEARING & HUB ASSEMBLY

NOTE: Bearings should be re-packed every 2000 miles or 3200 kilometers.

Item #	Description	Qty.
1	1" Axle Bearing Kit	1
1A	Bearing Cup (press fit)	2
1B	1" Bearing Cone	2
1C	Grease Seal	1
1D	2" Axle Dust Cup	1

Item #	Description	Qty.
1E	1" Axle Castle Nut	1
1F	3/16" Cotter Pin	1
2	Hub (bare) with bearing race	1
3	Axle c/w hubs and bearings	1

Part # _____ Axle Bearing Kit includes all parts 1A to 1E.

Note: Part 1A Bearing Race is press fit into the Hub and may not need to be replaced when changing bearings.

Re-packing Wheel Bearings

1. Loosen wheel bolts (Do not remove!).
2. Support trailer so the wheel is off the ground. (jack stand – floor jack – block)
3. Remove nuts and wheel.
4. Disassemble hub
5. Clean hub and pack bearings with wheel bearing grease.
6. Re-install bearings, nut and cotter pin.

Caution: DO NOT over tighten nut. The hub must turn freely and without play.

7. Re-attach bolts and wheel. (Torque to 80 lbs.)

TRAILER LICENSING

The Detail K2 kit trailer **MUST BE CERTIFIED** after assembly by a local garage which is approved and holds a license to provide safety certificates for roadway vehicles.

In order to register your trailer with the Department of Motor Vehicles or Ministry of Transportation and obtain a license plate you will need to have either the NVIS form in Canada or the Manufacturers Certificate of Origin in the US filled out and signed by the dealer transferring ownership to you. This form is found in your trailer manual package. Take this form along with the bill of sale (cash register receipt) and safety certificate to your local Department of Motor Vehicles or Ministry of Transportation licensing office. Once you pay the appropriate fees you will be issued a title or registration and license plate to be attached to the trailer.

US Residents

To Contact National Highway Traffic Safety Administration

If you believe that your vehicle has a defect, which could cause an accident, personal injury or death, immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Detail K2

If NHTSA receives similar complaints, or finds safety defects existing in a group of vehicles it may open an investigation or order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Detail K2.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, DC area) or write to: NHTSA, U.S. Department of Transportation, Washington, DC 20590.

PARTS LIST

Part No.	Specification	Qty
1	Body	1
2	Side Gate	2
3	Front gate	2
4	Antivibration Steel Plate	2
5	Axle	1
6	Fender Assembly	2
7	Wheel	2
8	Wheel Nut	10
9	Coupler	1
10	M12 x 80 Hexagon Bolt	4
11	Φ 12 Flat Washer	12
12	M12 Locknut	6
13	Chain	2
14	Φ 10 x 1.5 Flat Washer	8
15	M10 Locknut	8
16	Trailer Pin	6
17	Axle Dead Plate	2
18	M10 U Shape bolt	4
19	M8 Locknut	16
20	Φ 8 Flat Washer	28
21	M8 x 40 Hexagon Bolt	8
22	License Plate Lamp Box	1
23	Tailight Plate	1
24	Tailight	2
25	Fixed Part for License Plate	1
26	Front Directional Light	2
27	Square Tube End Shield	4
28	M8 x 65 Hexagon Bolt	4
29	M6 Locknut	4
30	Φ 6 Flat Washer	4
31	M6 x 60 Square Neck Bolt	4
32	M8 x 25 Square Neck Bolt	4
33	M12 x 110 Hexagon Bolt	2
34	Left Tube	1
35	Right Tube	1

SCHEMATIC DRAWING

