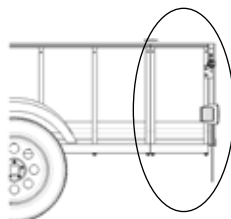


# LittleGiant Trailer™ Harley Hauler Kit

## User Assembly Manual

### One Foot Extension Installation

The 1' Extension is a bolt together add-on, and installs at the rear of the trailer.



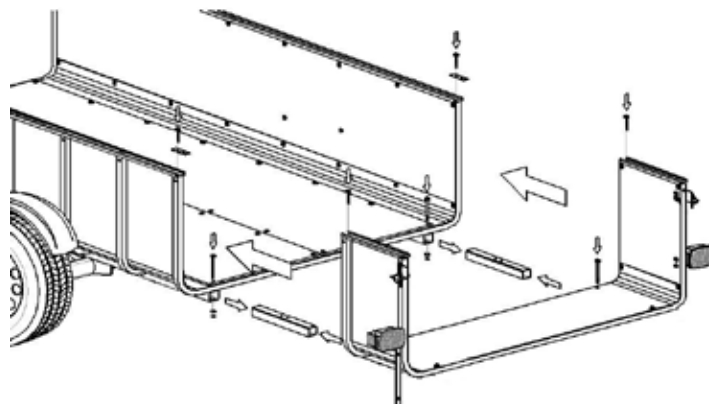
#### Installation

Qty    Description

- 1    Base Panel
- 2    Side Panel
- 2    Corner Cove
- 2    Inside Frame Telescope Tube
- 2    Outside Frame Telescope Tube
- 2    C-Channel Extension
- 2    C-Channel Tie Plate
- 1    #9 U-Tube (Body Style)
- 1    #10 U-Tube (End Gate Style)
- 4    Pin Nut Assembly (M8x25 fine thread bolt, lock washer and flat washer)
- 4    M8 x 50 bolt
- 4    M8 Split lock washer
- 4    M8 x 25 Fender washer
- 12    K-Lath Phillips Tek screw
- 12    Star washer
- 12    M5 x 25 flat washer
- 2    12" Wire Harness Extension with attached butt connectors
- 2    1/2" Ribbed cable protector
- 2    3/8" Ribbed cable protector splice
- 2    Ring Connector
- 4    1/4" split lock washer
- 2    Zip tie

#### Tools Needed

- Variable speed drill
- 13 mm socket
- 13 mm wrench
- 10 mm wrench
- Phillips power bit
- Wire Stripper/crimper



#### **Step 1    Remove Hardware**

Remove rear end gate supports and hardware from rear of trailer body to include latches, brackets, and tail light assemblies. Set aside.



#### **Step 2    Install Extension Tubes**

Locate two M8 x 50 bolts, two flat washers, and two lock washers, and install the two Inside Frame Telescope Tubes. Slip the two Outside Frame Telescope Tubes over the Inside Tubes but do not secure.



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## Step 3 Install U-Tubes

Place the Body Style U-Tube on the Frame Tubes and keep in place using two M8 x 50 bolts. Place the End Gate Style U-Tube on the Frame Tubes as shown. Keep it in place using the two End Gate Support Bracket bolts removed earlier.



## Step 4 Insert Pin Nuts

Slip the four Pin Nuts into the holes near the tops of the Frame Tubes. Hang the two Side Panels on the U-Tubes. You will want the Pin Nuts to protrude slightly through the Side Panels.



## Step 5 Attach C-Channel Extensions

Attach the two C-Channel Extensions to the rear (#10 U-Tube) Pin Nuts using two M8 x 25 bolts, two lock washers, and two flat washers. Leave the front end of the C-Channel Extension unsecured.



## Step 6 Attach Tie Plates

Remove the two M8 x 25 bolts from the #8 U-Tube Pin Nuts. Slip the two C-Channel Tie Plates into the C-Channel and secure with four M8 x 25 bolts, 4 lock washers, and four flat washers, using two sets that were removed and two sets from your extension kit. You may wish to use a clamp of the type shown to aid in assembly.



## Step 7 Install Base Panel

Remove the four bolts previously inserted to keep the U-Tubes in place on the Outside Frame Tubes. Place the Base Panel onto the U-Tubes. Reinsert the bolts removed along with flat washers, lock washers and nuts, but do not tighten.



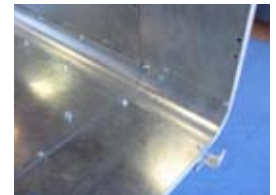
## Step 8 Install Corner Covers

Place the Corner Covers under the Base Panels (against the bolt shafts) and against the Side Panels as shown. Secure them along the top using four K-Lath Phillips Teks crews, four star washers, and four M5 X 25 flat washers. Tighten the nuts on the two End Gate Support Bracket bolts and the two M8 x 50 bolts.



## Step 9 Finish Base Panel Tightening

Finish securing the Base Panel using the six K-Lath Phillips Teks crews, six star washers, and six M5 X 25 flat washers.



## Step 10 Install End Gate Latches

Install the two end gate latches near the top of the #10 U-Tube. These are the latches removed and set aside in step one.



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## Step 11 through 16 Extend & Install Wiring

**Step 11** Carefully remove the wiring from the tail lights and cut the ends so that they are approximately the same length. Strip  $\frac{1}{2}$ " of insulation from the end of each of the six wires.



**Step 12** Take the Wire Harness Extension and crimp each butt connector to its counterpart on the trailer's wire harness. The yellow wire will connect to the green trailer wire when working on the passenger side.



**Step 13** Reattach the two tail light brackets. Determine how much of the extended wire harness to remove and make the necessary cuts. Again, strip about  $\frac{1}{2}$ " insulation from each wire, and thread into the corresponding holes on the rear of the tail light.



**Step 14** Cut two 2" lengths of electrical tape (not supplied) and apply over the wiring and against the back of each tail light to secure the wiring in the groove. Insert tail light studs through their respective brackets, place a lock washer and nut on outside studs and tighten.



**Step 15** Crimp a Ring Terminal on each white wire and place over inside studs followed by lock washers and the remaining nuts. Tighten the nuts.



**Step 16** Slip the two Ribbed Cable Protector Splices onto the wiring and halfway into the existing cable protector as shown. Slip the 1' lengths of ribbed cable protector onto the wiring and over the splices. Cut to length. Secure the wiring to inside of LGT frame with zip ties.



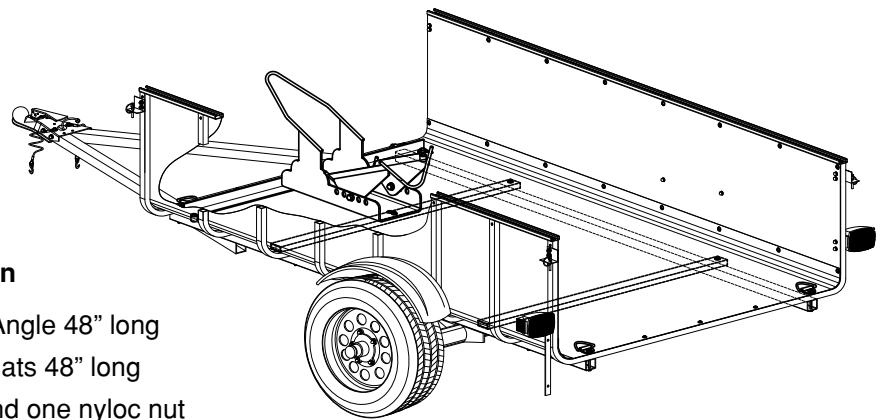
Replace the end gate.



# LittleGiant Trailer™ Harley Hauler Kit

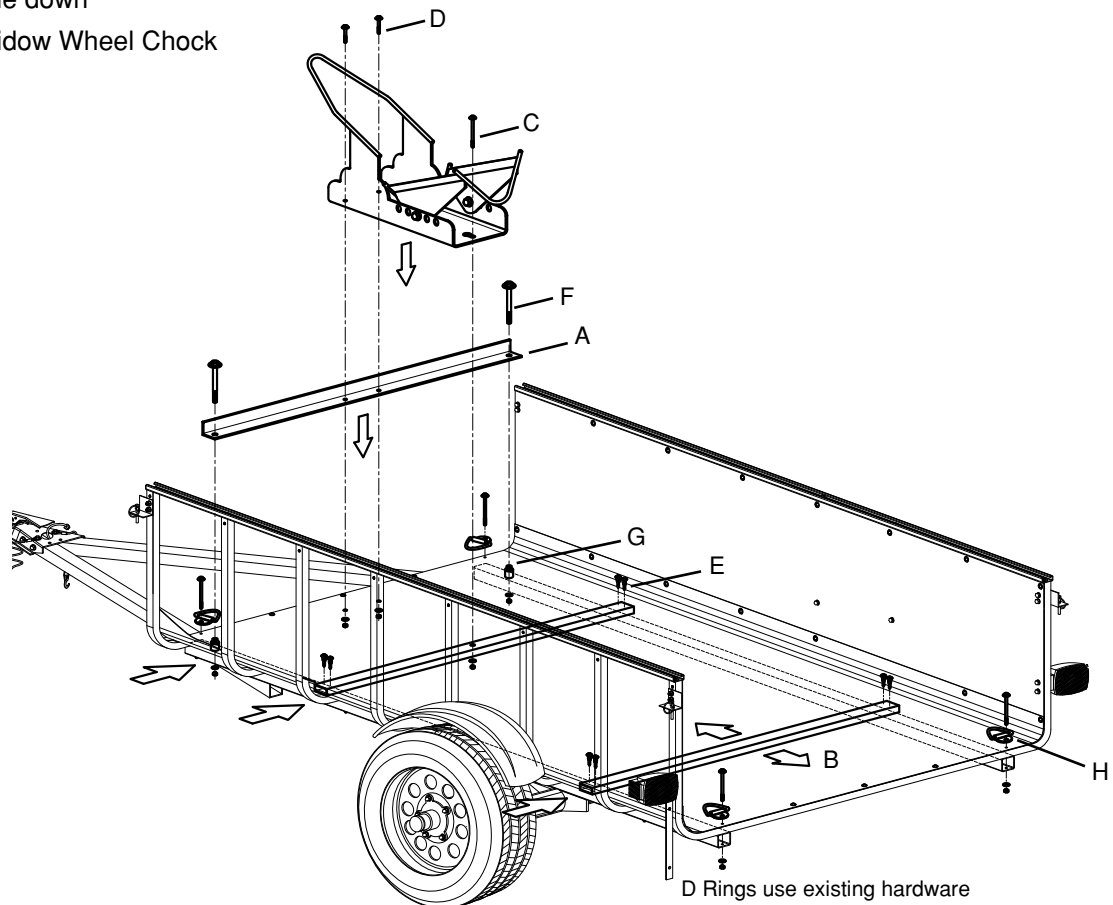
## User Assembly Manual

### Motorcycle Transporter Hardware Kit Installation



#### Parts List Overview

Item	Qty	Description
A	1	2" x 2" x 3/16" black powder coated Angle 48" long
B	2	1" x 2" x 16 gauge galvanized tube slats 48" long
C	1	3/8" x 1 1/2" bolt, with two washers and one nyloc nut
D	2	3/8" x 1.25" bolt, with four washers and two nyloc nuts
E	8	1/4" stainless steel Tec self tapping screw and four external tooth washers
F	2	4" x 1/2" bolts with four washers and two nyloc nuts
G	2	1" x 1/2" Bushing
H	4	D-Ring tie down
I	1	Black Widow Wheel Chock



D Rings use existing hardware from the trailer assembly.

## Assembly

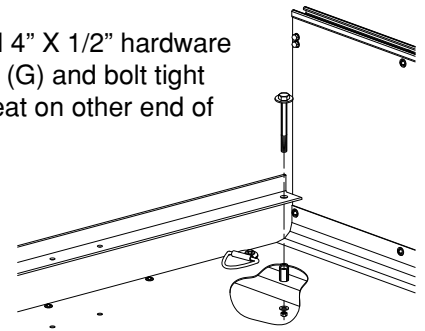
### Step 1: Angle Install - Measure, Mark and Drill

Along the center line of the trailer Frame Tube, as measured 4.25" back from the front edge of the #1 U-Tube, drill a 1/2" hole through the floor, cove and 2" Frame tube



### Step 2: Install 4" X 1/2" Hardware and Angle

Position Angle, Install 4" X 1/2" hardware (F) through Bushings (G) and bolt tight to 50 ft pounds. Repeat on other end of Angle.

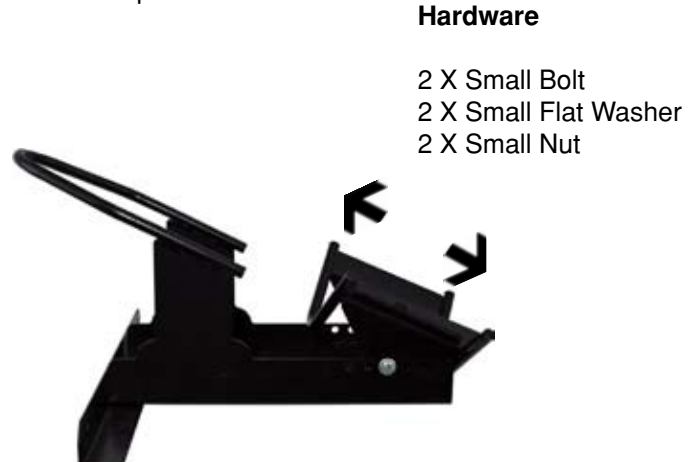


## Wheel Chock Assembly

1. Lower the rear Cradle into the desired hole location on the Chock Base, secure with two large bolts, washers and nuts.



2. Adjust rear Cradle angle tilting down for optimal wheel entrance.



#### Hardware

- 2 X Small Bolt
- 2 X Small Flat Washer
- 2 X Small Nut

## Safe Loading Procedure

When loading, ensure the rear Cradle is in the right position for the size of tire being loaded into the wheel chock. Proper caution should be taken when dismounting the bike and securing with cam bickle or ratchet straps.

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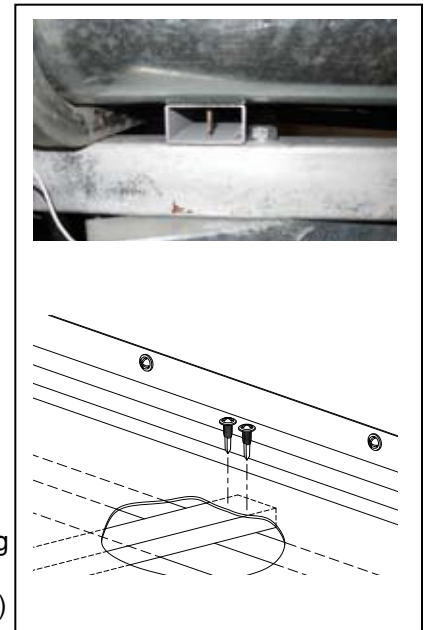
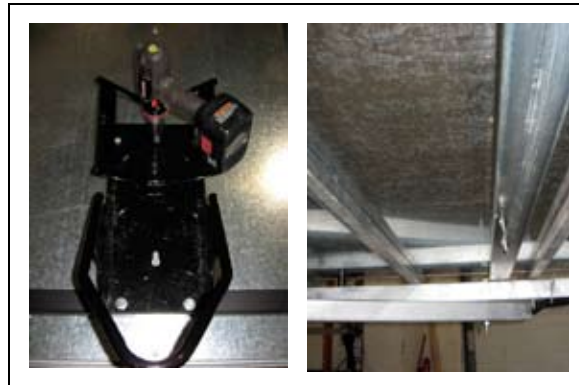


## Step 3: Drill 3/8" Hardware Hole

Using the two existing 3/8" holes in the center of the Angle, drill through the floor sheet. Insert 3/8" X 1.25" hardware (D) and bolt tight.

## Step 4: Install Front Slat

Position front Slat (B) against the rear A-Frame Bolts, and between the trailer Frame tube and floor. Using the existing hole in the wheel chock, drill a 3/8" hole through the floor and through the sub-floor Slat. Install the 3/8" x 1.50" hardware (C) and tighten. Secure the Slat with four self tapping Tec screws (E) as shown.



## Step 5: Install Rear Slat

Position the rear Slat so that it provides load bearing support directly under the motorcycles rear tire. Secure the Slat with four self tapping Tec screws (E) as shown.

## Step 6: Install D-Ring to downs

Using existing bolt holes and hardwares in the trailer floor, install D-Rings at each corner as shown in the diagram.



**For Assistance, contact** Let's Go Aero at 877-464-2376 or 719-630-3800, or [Support@LetsGoAero.com](mailto:Support@LetsGoAero.com).

Visit our website at [www.LetsGoAero.com](http://www.LetsGoAero.com)