



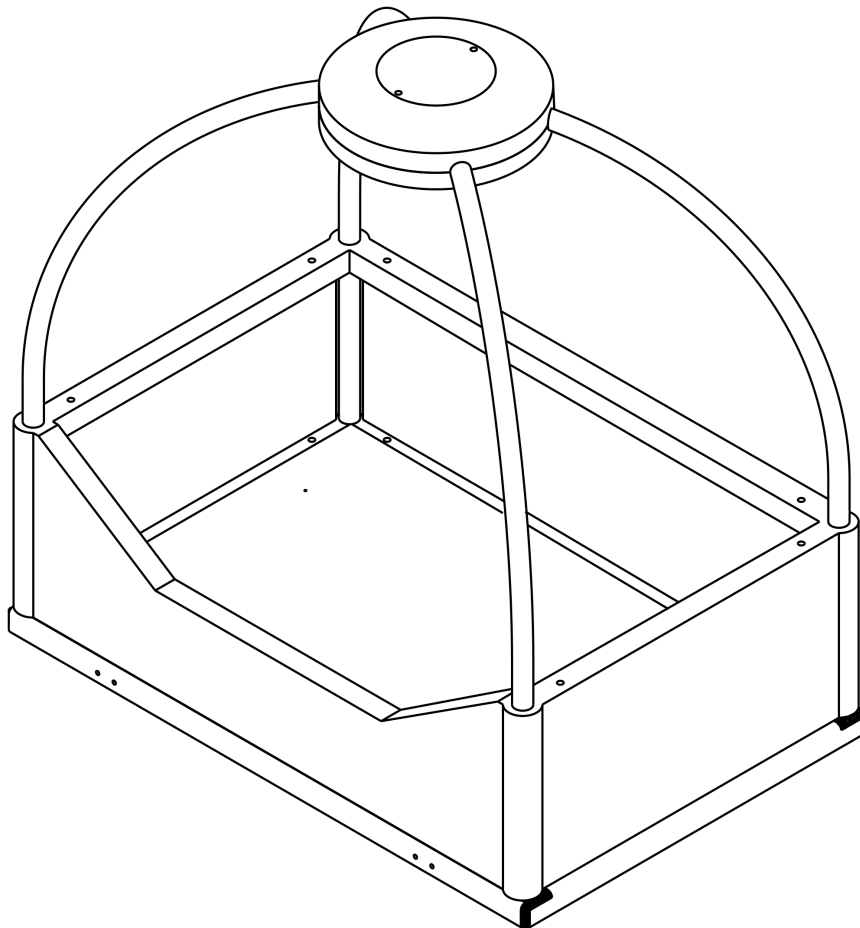
# Pillion Pooch<sup>®</sup>

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## Motorcycle Dog Carrier

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## Installation Manual



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# Warning

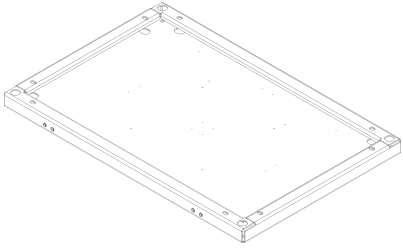
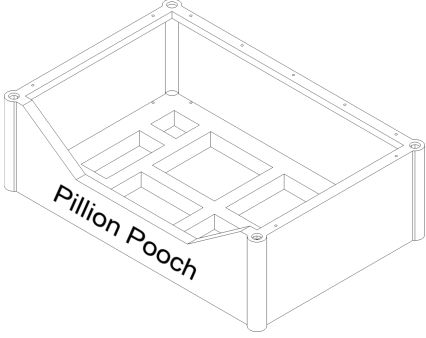
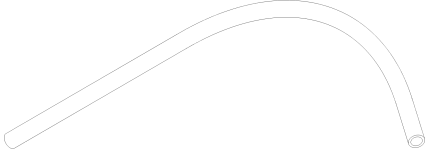
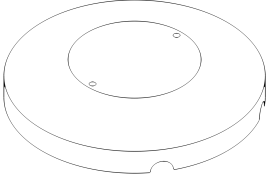
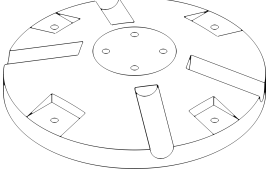
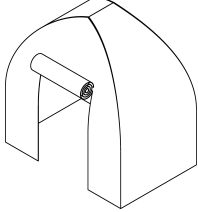
The Pillion Pooch Motorcycle Dog Carrier is not intended to be installed by the end user. We recommend a professional installation by a qualified motorcycle mechanic or equally qualified and skilled professional.

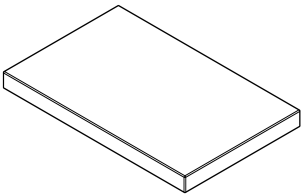
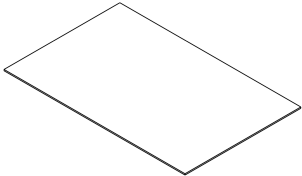
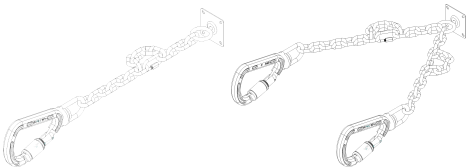
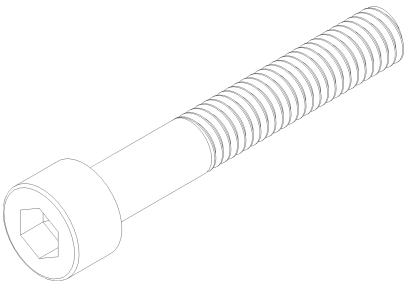
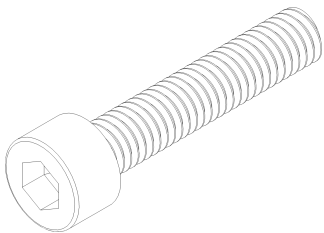
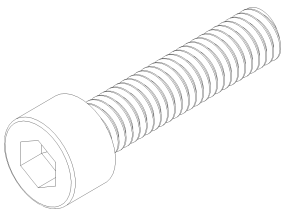
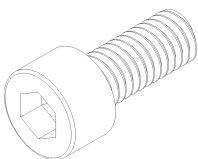
These instructions are intended for the installation of the Pillion Pooch. For user instructions please refer to the separate User Guide.

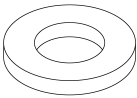
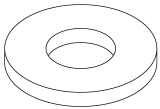
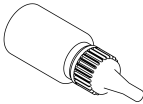
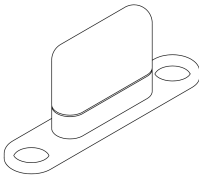
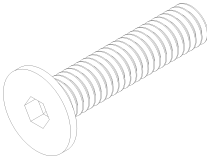
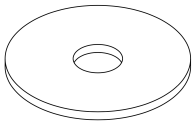
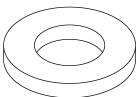
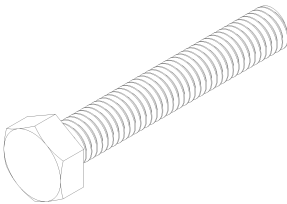
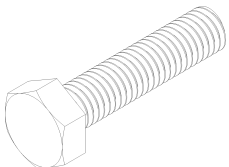

## Table of Contents

<b>Warning</b>	<b>3</b>
<b>In the box</b>	<b>4</b>
<b>Unboxing your Pillion Pooch</b>	<b>7</b>
<b>Preparing the Base</b>	<b>8</b>
Back Road Equipment and Tour-Pak Racks	8
Tubular Racks	8
Locating Securing Points	8
Drill Holes	10
Attaching to the Motorbike	11
Other Rack Systems	11
<b>Assembly</b>	<b>12</b>
Base and Tub	12
Roll Bars	13
Apex	14
Common Sense Twist Fasteners	15
<b>Flooring, Bed &amp; Cover</b>	<b>16</b>
<b>User Instructions</b>	<b>16</b>

## In the box

	1 x Base (Black)
	1 x Tub (Grey)
	4 x Roll Bars (Black)
	1 x Apex Top (Grey)
	1 x Apex Bottom (Grey)
	1 x PVC Canvas Cover

	1 x Dog Bed
	1 x Plastic False Floor (Black)
	1 x Harness Securing Hardware 1-Pup or 2-Pup
	4 x 40mm M6 Screws
	6 x 30mm M6 Screws
	4 x 25mm M6 Screws
	8 x 16mm M6 Screws

	10 x M6 Form A Washers
	12 x M6 Form C Washers
	1 x 10g Ergo 4052 Thread Locking Fluid
	2 x Common Sense Twist Fasteners
	4 x 12mm M4 Screws
	4 x M8 Penny Washers (For BRE or Tour-Pak Rack installation)
	4 x M8 Form A Washers
	4 x 50mm M8 Bolts (For BRE Rack installation)
	4 x 30mm M8 Bolts (For Tour-Pak Rack installation)
	4 x M8 Nyloc Nut (For BRE or Tour-Pak Rack installation)

# Unboxing your Pillion Pooch

1. Be careful when opening your Pillion Pooch as the Cover is on top and can be easily scratched by a blade. Use a blunt metal object such as a flathead screwdriver or a key to cut the tape.
  2. When you first open the Pillion Pooch box you will see the Cover (logo facing out), under this is the Apex (pre assembled for shipping), the Roll Bars and the Harness Securing Hardware packaged with Screws, Nuts, Washers etc.
  3. The Cover, Apex and Securing Hardware are easily removed.
  4. The Apex must be disassembled before it can be used by removing the Screws and allowing the top and bottom Apex pieces to separate. Place the Screws and Washers aside ready for the installation.
  5. Removing the Roll Bars is a little awkward. Remove them one at a time by rotating each bar so that the bend arches out of the box and pushing the long straight section towards the bottom corner, this will allow the short straight section to come free out of the box followed by the rest of the bar. Repeat for all 4 Roll Bars.
  6. Remove the Dog Bed and False Floor.
  7. Lift the Grey Plastic Tub out of the box.
  8. Lastly, lift the Black Aluminium Tray out of the box.
-

# Preparing the Base

Before starting the installation, determine where the mounting hardware is to be attached and drill holes in the Base accordingly. Follow the steps below corresponding to your rack type and always ensure that the rack is sufficient for holding the combined weight of the Pillion Pooch and your dog(s).

## Back Road Equipment and Tour-Pak Racks

If you are using the Back Road Equipment or Harley Davidson Tour-Pak racks then simply open up the pre-drilled pilot holes that align with your rack using an 8mm drill bit.

## Tubular Racks

1. You will need a Chinagraph pencil and a ruler to measure and mark the exact locations you will need to drill.
2. You will need an electric drill with a drill bit to match the size of the U-bolts.
3. The recommended size of the U-bolt is an M8, in which case 4 u-bolts should be used. If using M6 u-bolts ensure that a minimum of 6 are used. **Do not use u-bolts smaller than M6.** Only use stainless steel u-bolts.
4. Always use some mechanism of nut locking, i.e. Thread Locking Fluid or Nyloc nuts.
5. Use a metal plate to spread the load on the inside on the Pillion Pooch Base and Washers on each leg. Follow similar logic when using other such mounting hardware to ensure a spread of load.

## Locating Securing Points

1. Using a Chinagraph and a ruler, draw 4 rectangles on the underside of the Base by connecting the 4 lots of 4 pin holes (16 in total).



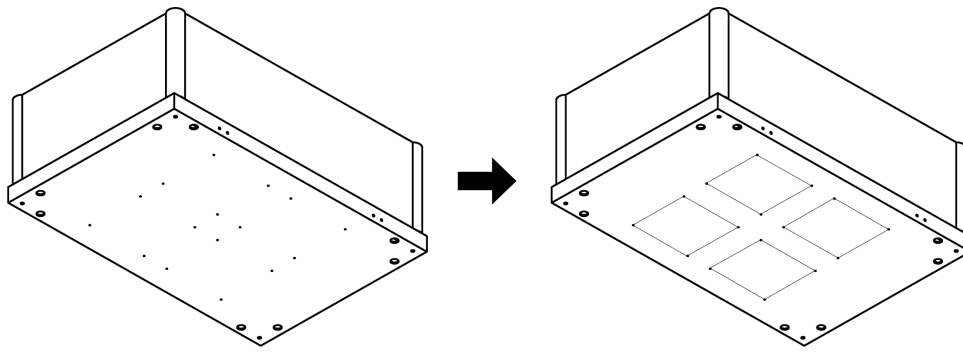


Figure 1. Drawing rectangular boxes on the underside of the Base Assembly  
To identify the internal ribs (you can drill inside those squares).

2. To make sure that the Pillion Pooch is suitably positioned, you should first install your rack, though you will need to remove the rack again to best align the u-bolt holes.
3. Place the bike on its centre stand or alternative means of keeping it upright. If you will be riding with a human pillion, have them sit on the pillion seat in a comfortable riding position to determine how far forward the Pillion Pooch can sit. If you do not need to allow for a human pillion then Base the position of the Pillion Pooch on the rider. Ensure that there is a comfortable gap between the Pillion Pooch and rider or human pillion while avoiding excessive overhang at the rear.

Note: the Pillion Pooch alone weighs 15kg to which you need to add the weight of your dog, so it is important to keep the Pillion Pooch mounted as close to the centre of gravity of the motorbike as possible. The lighter the motorcycle the more important this is.

4. Use a tape measure to ensure the Pillion Pooch is square by checking the distance between the rear of the rack and the rear of the Pillion Pooch at extreme points along the rear edge.
5. Similarly use the tape measure to ensure the Pillion Pooch is centred on the rack by measuring the distance from the side edges of the rack to the sides of the Pillion Pooch, making sure both sides are equal.

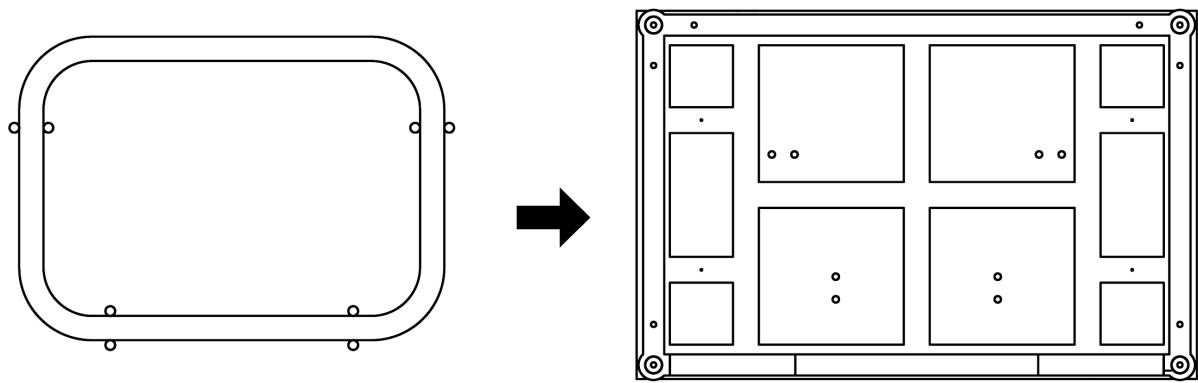


Figure 2. Position of the U-Bolts within the Base Assembly.

6. All bars or mounting points used on your rack must fall within the rectangles drawn earlier to ensure mounting hardware does not interfere with the internal ribs of the Base. **There is, however, sufficient tolerance within the provided area to allow u-bolts to cross the line and still avoid these ribs.**
7. Once you have positioned the Pillion Pooch mark the Base of the Pillion Pooch with the provided Chinagraph by drawing lines along the rear and sides of the rack.

## Drill Holes

1. Next you'll need to remove the rack from the bike. Place the Base of the Pillion Pooch upside down on a table and place the rack upside down against the bottom of the Pillion Pooch within the marking. Ensure that the rack is facing the same direction as the Pillion Pooch, i.e. the front of the Pillion Pooch corresponds to the front of the rack.

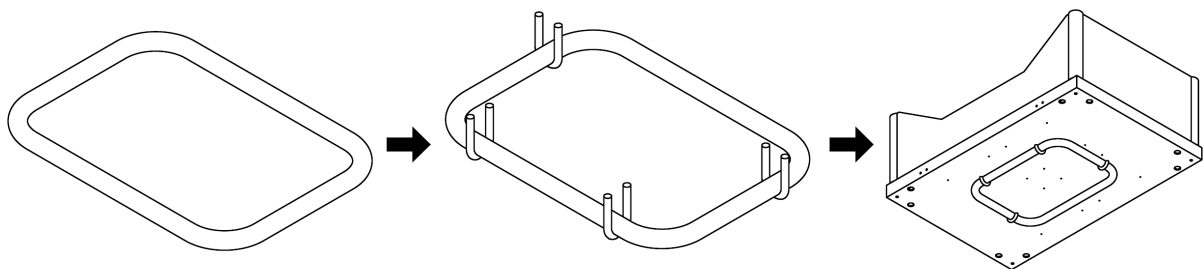


Figure 3. Ideal layout of U-Bolts on Tubular Rack System.

2. Take your u-bolts or other such mounting hardware and determine the best position for them to attach. Take the position of cross members into consideration when making this determination and attach U-Bolts to at least one set of cross bars perpendicular to another to avoid the Pillion Pooch sliding.
3. Mark either side of the bar at each point where a u-bolt is to be used, making sure that the distance between the centre of the marks matches the distance between the centre of the u-bolt legs. Use centre punch to mark the centre point for drilling and proceed to drill.
4. Once all holes are drilled, test that all the u-bolts fit within their corresponding holes and make adjustments as required.

### Attaching to the Motorbike

1. Reinstall the rack as per the manufacturer's instructions.
2. Put the Pillion Pooch in place and loosely fit the u-bolts.
3. Once all u-bolts are in place, slide on the Washers and Nuts. Tighten the nuts by concentrating on a pair of legs at a time and evenly tightening by turning each Nuts a couple of times and moving to the other. Each Nuts needs to be tightened such that there is no movement of the u-bolt or the Pillion Pooch and then each a fraction more. The nut locking mechanism will keep them in place and the system tight.

### Other Rack Systems

The Pillion Pooch can be made to work with a range of other racks using similar techniques to those described above. Always seek professional advice on what rack system to use and how to fit the Pillion Pooch to your current rack system or contact us for advice.

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# Assembly

## Base and Tub

You will need:

- Plastic Tub
- Base
- Thread Locking Fluid
- 8 x 16mm M6 Screws
- 8 x Form C M6 Washers
- Thread Locking Fluid

1. Before starting the installation, determine where the mounting hardware is to be attached and drill holes in the Base accordingly. If you are using the Back Road Equipment or Harley Davidson Tour-Pak racks then simply open up the pre-drilled pilot holes that align with your rack using an 8mm drill bit.
2. Place the Grey Plastic Tub on top of the Base, ensuring the moulded pockets sit inside the Base and that the moulded “Pillion Pooch” text is on the same side as the 4 x M4 threaded inserts in the metalwork (these inserts are where the common sense twist fasteners will be screwed as a final step).

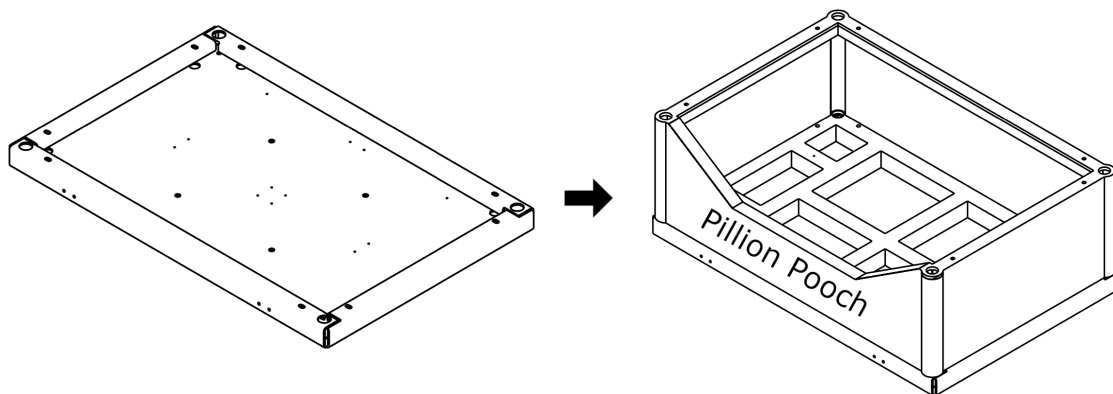


Figure 4. Pillion Pooch Tub sitting inside the Base.

3. Carefully rotate the whole assembly onto its back such that the moulded “Pillion Pooch” text is facing up.

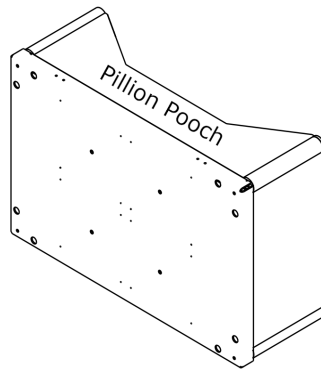


Figure 5. Pillion Pooch Tub and Base turned onto its back.

4. Take one 16mm M16 Screw and one Form C Washer, apply a small drop of Thread Locking fluid to the end of the Screws thread.
5. Locate the 8 large access holes in the bottom of the Base and taking the 16mm M16 and Form C Washer combination, place it through one of these access holes and into the threaded insert in the Tub (do not completely screw in as you need to have some movement when installing the Roll Bars).
6. Repeat the above two steps for the other 7 holes.

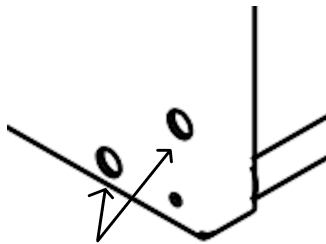


Figure 6. Base access holes for Tub securing points.

7. With the 8 Screw and Washer sets all loosely inserted, return the assembly to the upright position.

## Roll Bars

You will need:

- 4 x Roll Bars
- 4 x 25mm M6 Screws
- 4 x Form C M6 Washers
- Thread Locking Fluid

1. Slide the 4 Roll Bars into the 4 large holes in each corner of the Base Assembly.

Note: these holes are intentionally tight to aid in the structural integrity of the entire system and reduce vibrations. The plastic should have enough give to allow the Roll Bars to slide in, but if required, you can open the holes up bit by bit using a large drill

bit (8 or 10mm or similar) to skim around the inside of the hole and use a silicone based lubricant can.

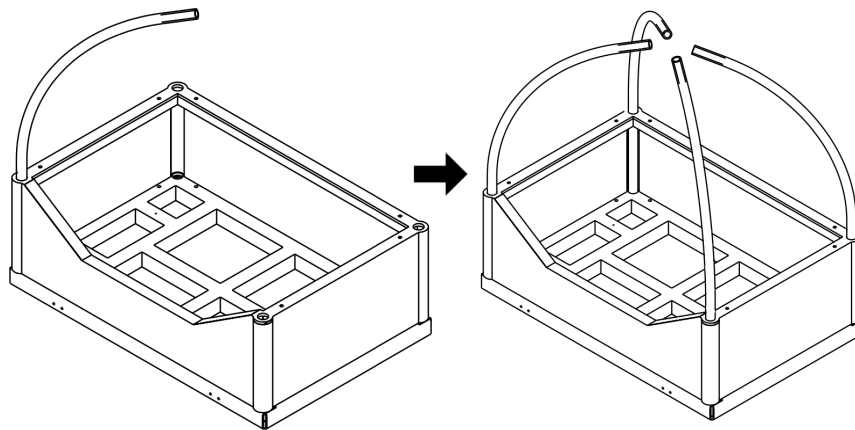


Figure 7. Insertion of Roll Bars into Tub and Base assembly.

Note: you may need to move the Tub and Base around to allow the holes to align, ensuring the Roll Bar is fully inserted to the bottom of the Base.

2. With all Roll Bars inserted, return the Pillion Pooch to its back.
3. Tighten all 8 Screws left loose from steps 4 to 6 in the previous section.
4. Using the 20mm M6 Screws, each with a drop of Thread Locking Fluid and a Form C Washers, loosely secure the bar in place by screwing through the corner holes on the bottom of the Base. Leave these loose until the Apex pieces are tightened in position.

## Apex

You will need:

- Apex Bottom
- Apex Top
- 6 x 30mm M6 Screws
- 6 x Form A M6 Washers
- Harness Securing Hardware
- 4 x 40mm M6 Screws
- 4 x Form A M6 Washers
- Thread Locking Fluid

1. Take the Bottom Apex piece and place it on the underside of where the 4 Roll Bars meet allowing the Roll Bars to sit within the recesses.

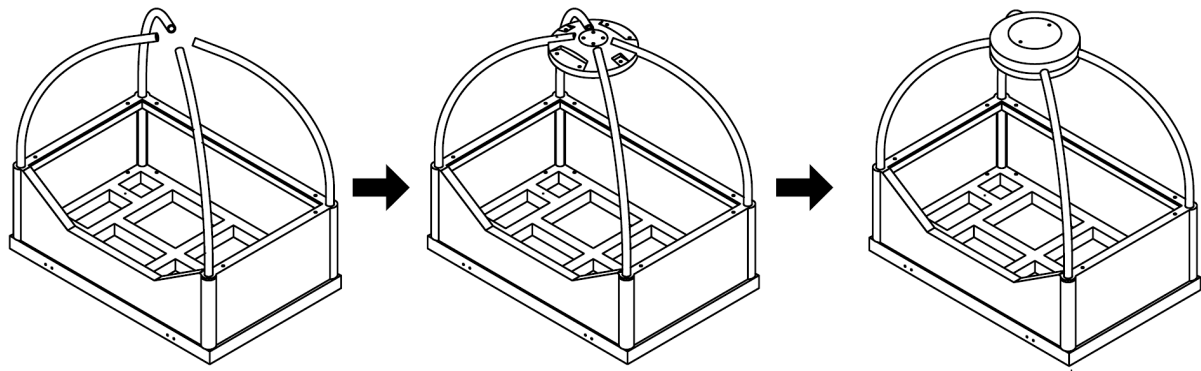


Figure 8. Assembly of Roll Bars and Apex Linkage.

2. Feed a 30mm M6 Screw with Thread Locking Fluid and a Form A Washer through one of the outer holes.
3. Place the Apex Top piece on top such that the recesses match and loosely fasten with the Screw, feed another 30mm M6 Screw with Thread Locking Fluid and a Form A Washer through the hole on the opposite side of the Apex and loosely fasten. Repeat until all 6 outer fastening points are attached.
4. Take the Swivel Eye Plate and place it in the central cavity and using 4 x 40mm M6 Screws with Thread Locking Fluid and a Form A Washers, loosely secure it in position.
5. Once all Screws are in place, start tightening the 6 outer Screws on the Apex followed by the 4 Harness Securing Point Screws.
6. Finally tighten the 4 Roll Bar retaining Screws.
7. Conduct a final check to ensure all the Screws are sufficiently tight.

Note: The chain length can be altered by cted via this Removable Link to provide the optimal length changing the position of the midpoint Removable Link on the chain. Simply adjust the links which are connected for your dog's comfort and safety.

## Common Sense Twist Fasteners

You will need:

- Thread Locking Fluid
- 2 x Common Sense Twist Fasteners
- 4 x M4 Countersunk Screws
- Thread Locking Fluid

1. Rotate the Pillion Pooch onto its back.
2. Place one twist fastener on the Black Metal Tray lining up the holes.

3. Take two M4 Screws with Thread Locking Fluid and Screw in each of the holes.

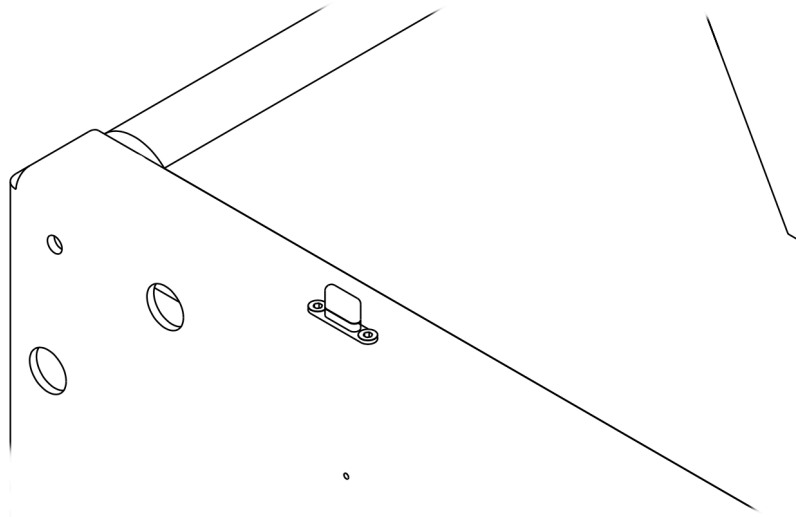


Figure 9. Twist fastener in position.

4. Repeat for the other twist fastener.

## Flooring, Bed & Cover

1. Place the false Flooring inside the Pillion Pooch Base.
2. Place the Dog Bed on top of the False Floor.
3. Place the Cover over the frame with the front door on the same side as the Pillion Pooch text on the Tub.
  - a. Ensure the twist fasteners are locked in place.
  - b. Ensure the elastic on the back 2 corners is tucked under the Base.

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## User Instructions

Please ensure the end user reads and thoroughly understands all aspects of the User Guide before using this product.



Enjoy the ride together!

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