



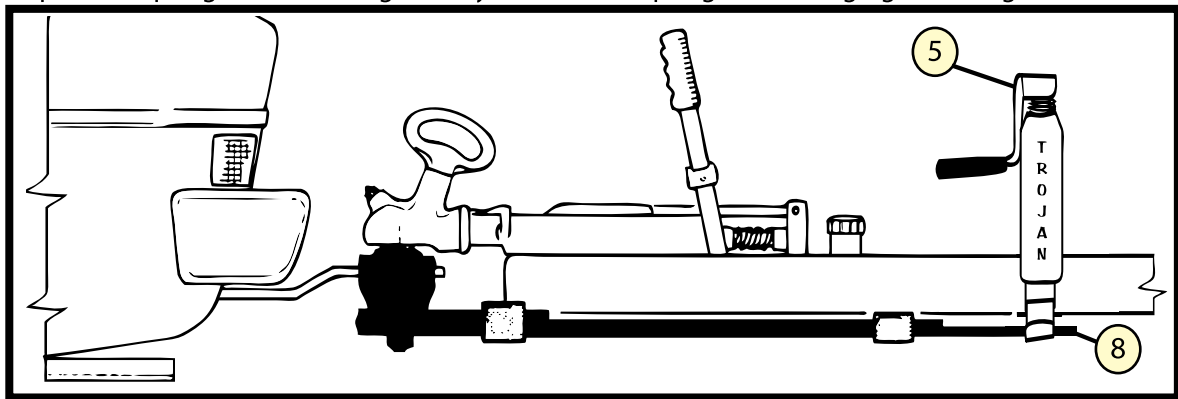
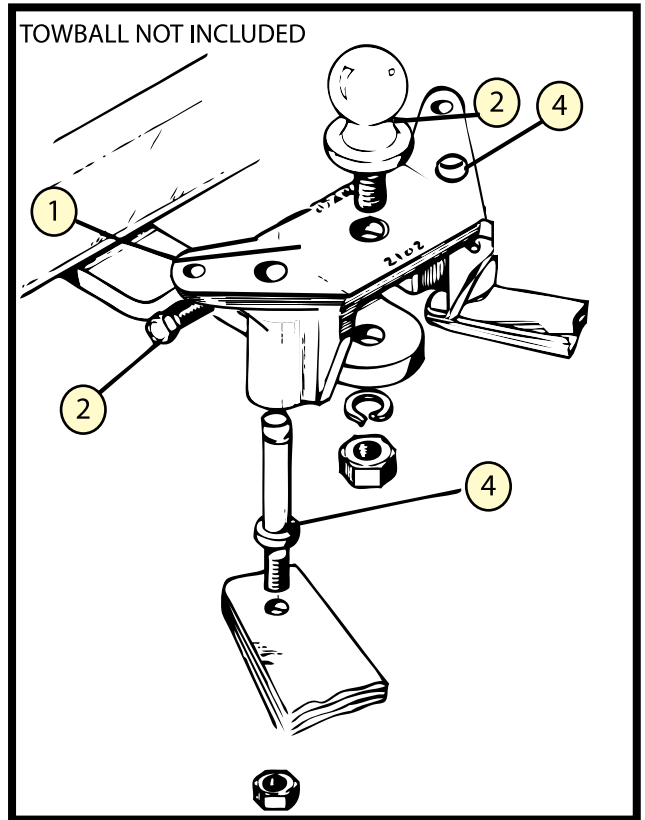
TROJAN

QUALITY TRAILER COMPONENTS

F159

TROJAN LOAD-LEVELLER FITTING INSTRUCTIONS

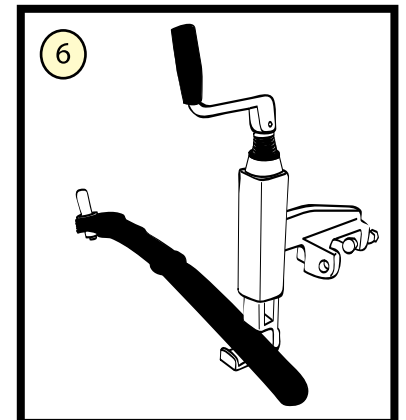
- (1) Fit mounting bracket onto the car towbar tongue with set screws nearest vehicle.
- (2) Place shank of tow ball down through mounting bracket casting and tow bar tongue, ensure that the bracket is square across the tow bar tongue and lock in this position by way of the set screws either side of the bracket, tighten the lock nuts. With the spring washer in place under the tow tongue tighten the tow ball retaining nut. Due to the extra thickness of the Load Leveller bracket it will be necessary to use a towball with a longer shank than normal. Trojan part number 541024 (1 78" ball size) or part number 540079 (50mm ball size) these are available from your stockist.
- (3) Hitch caravan to towball making sure that the tow vehicle and caravan are in a straight line and on level ground.
- (4) Grease the pivot pins on the end of the Load Leveller Spring and locate the pins up through the holes each side of the mounting bracket. (To remove the springs rotate the spring parallel to the back of the tow vehicle and they will drop out).
- (5) Position Chassis Brackets on either side of the drawbar (spring foot facing outwards) so that when fitted 60 - 70mm of spring will be past the spring foot. When the correct position is established, tighten the security bolts to the draw bar. CAUTION - If the end of the spring is not past the spring foot far enough it may slide off the spring foot during tight turning.



- (6) Wind the adjusting handles on the Chassis Brackets so they are wound fully down, lift the Load Leveller Springs onto the spring foot.
- (7) To adjust the Load Leveller, wind the handles on the Chassis Brackets to apply tension to the springs. (Use the indicator lines to insure that the same load is applied to each spring).
- (8) Minimum overhang 40mm, maximum overhang 65mm.

If difficulty is experienced in tensioning the springs to the higher loading once the trailer is connected to the tow vehicle, use the trailer jockey wheel to raise both the rear of the tow vehicle and the front of the trailer simultaneously, this will make the springs easier to tension.

NOTE: Every tow vehicle and caravan combination is different, therefore, it may be necessary to further adjust spring tension after road-testing.



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THE HAZARDS OF TAIL SAG

Any time you add extra weight to the back end of your car, which happens when towing a caravan or trailer, it forces the front end of your car up. This means that the front wheels lose much of that all important contact with the road.

This creates a potentially dangerous situation as stability, braking efficiency and directional control can be seriously affected and this is one of the main causes of sway. Your headlights can lose contact with the road and blind on coming traffic

THE IDEAL SOLUTION

The **TROJAN LOAD-LEVELLER** is a weight distribution hitch that can re-distribute the added draw-bar weight onto the towing vehicle's front and rear wheels, and in doing so restores full control of steering and braking. Trojan "ANTI SWAY CONTROL" device part number 993936 can easily be fitted to make towing your caravan safer.

The **TROJAN LOAD-LEVELLER** is fully adjustable for any weight caravan or trailer and is quick to fit and remove. Restore control, safety and comfort whenever your towing, by fitting a **TROJAN LOAD-LEVELLER** and **TROJAN ANTI SWAY DEVICE** to your caravan or trailer.

- Distributes extra weight evenly for level ride.
- Restores directional control and braking for safer towing.
- Reduces the chance of dangerous swaying.
- Gives greater passenger comfort and lessens driver fatigue
- Quick and easy to install and remove.
- Adjustable for all sizes of loads
- Suitable for use with Trojan override braking systems.**
- Manufactured from durable high quality materials.

**Note - The sway control unit cannot be used in conjunction with override brakes.

SPECIFICATIONS:

SPRING DEFLECTION		SPRING EFFORT (PAIR)	
25mm	(1")	40kg	(90lb)
50mm	(2")	80kg	(180lb)
75mm	(3")	135kg	(300lb)
100mm	(4")	190kg	(425lb)
125mm	(5")	245kg	(550lb)
150mm	(6")	300kg	(720lb)

- MATERIALS** All castings are high grade malleable iron.
Springs are five leaf progressive rate with high tensile mounting pins.
- ADJUSTMENT** Manually adjusting screws.
- WEIGHT** 30.5kg.
- FINISH** All components painted or plated.

NOTE: NOT RECOMMENDED FOR OFF ROAD USE