Breckland Trading Company Ltd
www.brecklandtrading.co.uk
Fishley Lane, South Walsham Rd, Acle, Norwich, NR13 3ES
Tel: 01493 751620 Fax: 01493 754081

BTC DRIVER QR STABILISER

FOR CARAVANS AND TRAILERS

INTRODUCTION

The **DRIVER QR STABILISER** for caravans and trailers is one of the most effective anti-snake devices on the market. Motorway suction and side wind effects are minimised with its installation (this is particularly with the maximum towing speed increased to 60 mph).

The **DRIVER QR STABILISER** is **The Original Quick Release Stabiliser** incorporating a mechanism, which does two things;

a) The damper can be fully set and that setting will be maintained for several thousand miles before requiring to be reset.

b) It removes the resistance of the Anti – snake friction damper when attaching to the car/caravan - Making it really easy to connect.

These products are effective and efficient because they are produced to a high standard of engineering.

We first introduced the '*Quick Release Stabiliser*' in 1985. This was the most fundamental development in leaf spring type stabilisers in the last 20 years. The name ' *Quick Release Stabiliser*' has become the generic name.

The DRIVER QR STABILISER as boxed, comes with the anti-snake damper PRESET at 60-70lb

FITTING INSTRUCTION

1) **Stabiliser Car Plate to tow ball**

a) Unbolt the tow ball.

b) Bolt the stabiliser car plate between the tow ball and the towing bracket. Use either pairs of holes in the car plate. Use the bottom pair for reference to give maximum ground clearance. Use longer high tensile bolts if necessary.

2) **Stabiliser 'L' Bracket to the Caravan/Trailer Chassis.**
If required (for a caravan), your dealer can also supply the BTC clamp on 'L' bracket assembly.

a) Hitch up the caravan line with the towing vehicle on a level surface.

b) Ensure that the hitch shaft is fully extended.

c) Mark the neutral axis on the on side of the caravan 'A' frame. This is a line midway between the top and bottom flanges (see drawing).

d) Place the free end of the spring in the shoe of the 'L' bracket. Position the 'L' bracket approximately 5" from the free end of the leaf spring to the centre of the slipper shoe, as shown in the diagram.

e) Drill 2 x 8mm hole in the chassis on the neutral axis to correspond. In the main, use the middle pair of holes in the 'L' bracket

f) Bolt the 'L' bracket to the chassis with the bolts, washers and nuts provided

3) Setting the tension on the quick release *Anti-Snake Friction Damper, (As and when required)
The objective is to set a **horizontal** load at the **end of the leaf spring** of a minimal 60/70lb as follows.

a) Release the 12mm lock nut 'LLN' and the Nyloc nut 'SLN' this is required so that the damper assembly is free from the constraints of being bolted to the leaf spring

b) Release the tommy bar in the QR cam and clamp down. For ease, hold the tommy bar and unbolt the locking (Stiff) nut.

c) Release the QR cam and tighten up the 'Half Nut' finger tight. Back off about one turn and clamp the QR cam. Now test the **horizontal** load at the end of the leaf spring with some bathroom scales. To achieve a setting of 60/70lb release the cam and progressively rotate the 'Half Nut' and re-test. Note that one full turn of the 'Half Nut' at this stage puts about 30lb at the end of the leaf spring.