

Adjustments.

1) After fitting ensure that full turning clearance is obtained both ways and that the spring is completely retained in the plastic slipper.

2) The stabiliser is factory set but may need adjustment after use.

3) To adjust the friction damper assembly you will require the following tools:
A set of bathroom scales or suitable spring balance.
Two open ended 19mm spanners.

Note. Adjustment is carried out with quick release locked i.e. pressure applied to friction discs.

IMPORTANT!

Please DO NOT use torque wrench as the torque needed on the 12mm adjusting bolt and nut (4) is very small.

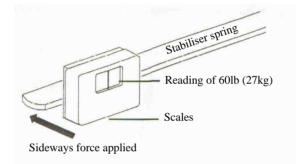
4) Insert the damper pivot bracket (3) into the slot in the car plate (1) and secure with locking stud(2).

5) Apply the scales to the end of the spring arm and push. You are looking for a reading on the scales of approximately 60lbs (27kg).

It is emphasised that this is NOT a torque figure but the horizontal push/pull force at the end of the spring arm.

6) Adjustment is made by releasing the thin lock nut on the 12mm centre bolt and tightening up the special type lock nut until the appropriate reading is obtained on the scale. Finally, firmly lock up the special nut and thin lock nut together using the two spanners. Take care not to move the special nut on the bolt or you may lose the correct setting. Check tightness of the thin lock nut after 50 miles.

7) DO NOT USE ANY OTHER METHOD FOR CHECKING THE STABILISER.



If you have any doubt about servicing your stabiliser please contact your nearest dealer or telephone Bulldog for assistance.

WARNING!

After fitting and prior to commencing your journey, please check tightness of the locking stud holding the Stabiliser into the car bracket. A secondary safety and security feature of the Bulldog Stabiliser is the provision of a hole in the end of the damper pivot plate (3). This is to facilitate the use of a padlock (not supplied).

When Boarding Ferries or Off Road on Uneven Ground. It is advisable to remove stabiliser to avoid damage to the spring arm.

When Not In Use.

Remove locking stud. Apply grease in the thread car bracket and fit Red Cap. To remove cap just unscrew.

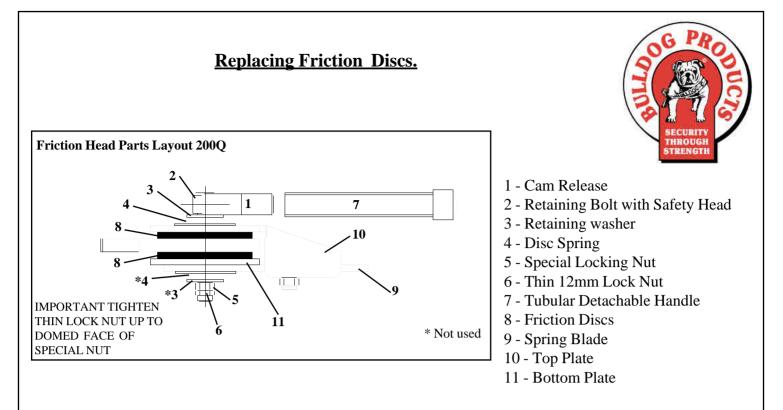
When Towing Very Heavy Trailers.



Bulldog Security Products Limited

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ST61-3



The Bulldog specially developed Ferodo friction discs will last many thousands of miles if the stabiliser is maintained correctly. However, replacing worn discs is very straight forward.

1. Fit tubular handle over cam lever then using a 19mm spanner undo the thin lock nut on the 12mm centre bolt, undo the full lock nut next.

2. Dismantle the damper assembly taking care to note the position of each of the washers and disc springs.

3. Examine the surfaces of each of the metal plates and scrape off any build up of friction material. Do not score the faces where the friction discs operate. Do not use oils or chemicals for cleaning off dust. Avoid breathing in dust, although Bulldog friction discs do not contain asbestos.

4. Using a straight edge, check the pivot plate has not been damaged.

5. Re-assemble new genuine Bulldog friction discs (Part No LC3-3 for 200Q and 400Q. Part No LC65 for 100Q) into the stabiliser damper assembly and re-fit lock nuts.

6. Refer to section on adjustments to re-set the correct spring tension.

Care of Your Stabiliser

1. When boarding ferries or travelling off road on uneven ground it is advisable to remove the stabiliser from the towing vehicle to avoid damage. Do not allow the stabiliser to 'ground out' i.e. Touch the road, or speed ramps etc, the weight transfer from the car and caravan to the underside of the stabiliser can damage the main pivot plate.

2. Do not leave the stabiliser attached to the car when unhitched from the caravan. If the stabiliser contacts the ground whilst manoeuvring and digs in, severe damage can occur to stabiliser, towbar bracket and towbar.

3. When the stabiliser is not in use, remove the locking stud and apply grease to the thread in the car plate and then fit the red plastic protective cap to the threaded hole. If the thread becomes damaged and the locking stud is difficult to insert, then the car plate can be re-tapped using M12 x 1.5 tapping tool. (Your local engineering shop should be able to help).

4. Do not allow the friction discs to become contaminated with oil. Never lubricate the friction discs. Oil on the friction discs will ruin the friction characteristics.

5. Regularly check the condition of the slipper bracket attached to the caravan chassis for wear and /or damage and replace if necessary.

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