

**TF255: TERRAFIRMA H/D STEERING RODS****DISCOVERY 2****FITTING INSTRUCTIONS**

1. Put the car into gear or park and apply the hand brake.
2. Ensure the steering is in the straight ahead position and the steering wheel is straight.
3. Starting with the Drag link from the steering box to the hub, take a measurement of the length to help you set up the new one quicker.
4. Undo the nut on the ball joint at the steering box drop arm, undo the nut on the ball joint at the hub end undo the steering damper from the bracket on the drag link, release the drag link from the hole in the arm on the hub and at the drop arm and remove the old drag link.
5. The ball joints on the both ends should be screwed into the drag link tube to a depth of at least $\frac{3}{4}$ of the thread, drop the ball joint down into the hole in the arm on the hub and into the hole on the steering box drop arm.
6. Fit the clamp supplied in the kit to the drag link and reconnect the steering damper in the correct place and then tighten the clamps and the damper.
7. Adjust the length of the new drag link to the same as the measurement you initially took, when you are happy with the length and happy the wheels are still in the straight ahead position and the steering wheel is still straight fully tighten both locking nuts and fully tighten the nut on the bottom of the ball joint.
8. Take a measurement of the track rod to help with setting up the new one.
9. Undo both nuts that hold the ball joint into the arms on the back of the hubs, and with both nuts off remove the track rod complete.
10. Adjust the track rod ends on the new heavy duty track rod so it is as close to the length of the old one as possible; make sure the track rod ends are in the correct position and that they are both screwed into the track rod equally.
11. Drop the new track rod ends into the holes in the arms on the hubs, when you are happy with the length and happy the wheels are still in the straight ahead position and the steering wheel is still straight fully tighten both locking nuts and fully tighten both nuts on the bottom of the ball joints.
12. Drive the car backwards and forwards a few meters on a flat surface to ensure the wheels are still in the straight ahead position and the steering wheel is straight, adjust if required to achieve this.

WARRANTY & DISCLAIMER - Terrafirma products are warranted free from defects in materials and workmanship for a period of 12 months from the date of retail invoice. Terrafirma does not warrant that the products manufactured or marketed by it comply with the laws of the country where those goods are purchased or used. It is the sole responsibility of the purchaser to ascertain whether products being purchased, or the fitting of those products to any other object, comply with local laws. This warranty covers structural defect and workmanship but does not cover finishes, labour charges for removal or refitting, freight costs, accident damage, misuse or abuse, damage due to incorrect or improper fitment or application, modified product, faulty design or consequential damage of any kind. Damage or defects caused by collision, alteration, improper installation, road hazards, adverse conditions or usage for any other purpose other than normal private usage are not covered by this warranty. Terrafirma shall not be liable for any other claim relating to the use of the product and any indirect special or consequential damage or injury to any person, company or other entity. All claims must be accompanied by the original retail invoice and should be submitted to the supplying Allmakes 4x4/Terrafirma distributor. This warranty covers only the replacement of the product or part concerned. The decision remains solely at the discretion of Allmakes Ltd. The information contained in this catalogue was correct at the time of going to press. Allmakes/Terrafirma and its associated companies reserve the right to alter the range and any product specifications without notice. Always consult your Allmakes/Terrafirma distributor for the latest product information and specifications. The Terrafirma range of products is constantly being evaluated for enhancement and improvement to make sure the level of quality and performance is as expected.



13. Double check everything is tight.
14. TF steering rods use left & right hand threaded standard Land Rover track rod ends for ease of replacement: RTC5869 (x 2, RH thread) & RTC5870 (x 1, LH thread)
15. Replacement left and right threaded lock nuts are available using part numbers TFSRNUTLH & TFSRNUTRH.

NOTE* as steering is a safety critical aspect of your car we would recommend you only carry out this job if you are confident you can do it safely and we would suggest the tracking is checked by a professional as soon as possible afterwards to eliminate tyre wear, preferably a four wheel alignment.

NOTE* when replacing the track rod ends, you can use any version of RTC5869 and RTC5870. However, please note that some versions use a different thread pitch where it attaches to the vehicle. Additionally, some track rod ends are supplied with Nyloc nuts, others come with a castle nut and split pin. Either is fine to use. Some versions also have a grease nipple to the back.

NOTE* our TF255 steering rods use Defender type track rod ends for ease of replacement as they're more readily available than D2 parts. If you need to replace your track rod ends & find that RTC5869 & RTC5870 do not fit (11/16" - imperial thread), try using part numbers QFS000010 (x 1) and QFS000010RH (x 2). These are the metric thread (18mm) D2 parts and were fitted to a small batch of TF255 due to sourcing issues during the COVID pandemic in late 2020. If this is the case, you'll need to re-use your LH & RH threaded locknuts for securing the track rod ends in place.



WARRANTY & DISCLAIMER - TerrafirMa products are warranted free from defects in materials and workmanship for a period of 12 months from the date of retail invoice. TerrafirMa does not warrant that the products manufactured or marketed by it comply with the laws of the country where those goods are purchased or used. It is the sole responsibility of the purchaser to ascertain whether products being purchased, or the fitting of those products to any other object, comply with local laws. This warranty covers structural defect and workmanship but does not cover finishes, labour charges for removal or refitting, freight costs, accident damage, misuse or abuse, damage due to incorrect or improper fitment or application, modified product, faulty design or consequential damage of any kind. Damage or defects caused by collision, alteration, improper installation, road hazards, adverse conditions or usage for any other purpose other than normal private usage are not covered by this warranty. TerrafirMa shall not be liable for any other claim relating to the use of the product and any indirect special or consequential damage or injury to any person, company or other entity. All claims must be accompanied by the original retail invoice and should be submitted to the supplying Allmakes 4x4/TerrafirMa distributor. This warranty covers only the replacement of the product or part concerned. The decision remains solely at the discretion of Allmakes Ltd. The information contained in this catalogue was correct at the time of going to press. Allmakes/TerrafirMa and its associated companies reserve the right to alter the range and any product specifications without notice. Always consult your Allmakes/TerrafirMa distributor for the latest product information and specifications. The TerrafirMa range of products is constantly being evaluated for enhancement and improvement to make sure the level of quality and performance is as expected.

TF255

DISCO 2