

**TF252: TERRAFIRMA H/D STEERING RODS****DISCOVERY 1 – LATE TYPE WITH 4 TRACK ROD ENDS****FITTING INSTRUCTIONS**

1. Put the car into gear or park and apply the hand brake.
2. Ensure the wheels are in the straight-ahead position and the steering wheel is straight.
3. Remove the drag link that connects the steering box drop arm (Pitman Arm) to the opposing hub. Before removing from the vehicle, measure as accurately as possible the distance between the two track rod ends.
4. TF252 comes with the track rod ends already fitted to the steering rods. Slacken the lock nuts and adjust the length of the new heavy duty drag link to match the measurement taken in the previous step from the old drag link. Please note that each track rod needs to be screwed into the drag link at least 25mm.
5. When you are happy with the length and that both the wheels and steering wheel are still in the straight-ahead position, attach the drag link to the vehicle in the reverse of the removal procedure and fully tighten both locking nuts and ball joint nuts.
6. Before working on the track rod, first remove the steering damper from its mounts.
7. Once again, take a measurement between the two track rod ends attached to the opposing hubs before removing the old track rod from the vehicle.
8. Adjust the track rod ends in the new heavy duty track rod so that it is the same length as the original and that they are both screwed into the track rod equally at least 25mm.
9. Fit the new heavy duty track rod, ensuring the wheels and steering wheel are still in the straight-ahead position, then fully tighten both locking nuts and fully tighten both ball joint nuts.
10. Fit the clamp supplied in the kit to the track rod and reconnect the steering damper in the correct place and then tighten the clamps and the damper itself.
11. 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.
12. Double check everything is tight.
13. Terrafirma 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)

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**TF252
D1 – LATE**



14. 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.



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