

SYMPTOM & SCOPE OF WORK

Inadequate bearing lubrication has been identified on a small number of TG600RS & TG900RS models causing reduced longevity or possible bearing collapse. TopGun Mobility takes the Reliability & Longevity of our scooters very seriously and have provided the below guide detailing how to access the Right Hand Side Rear wheel bearing, for greasing

MAINTENANCE REQUIRED

Please read through and understand before commencing, Contact us with any questions.

- 1) Remove wheels and motor, leaving transaxle installed
- 2) Loosen transaxle bolts and remove RHS Extension Housing
- 3) Apply Grease to bearing
- 4) Reinstall Extension Housing and Motor.

1. With the scooter supported, remove the rear wheels and mark the left (fig i) & right (fig ii) axle clamps position on the frame. This will ensure that rear wheel alignment will be the same after the job.

Silver tape was used below, but white-out will work well.

Fig i)



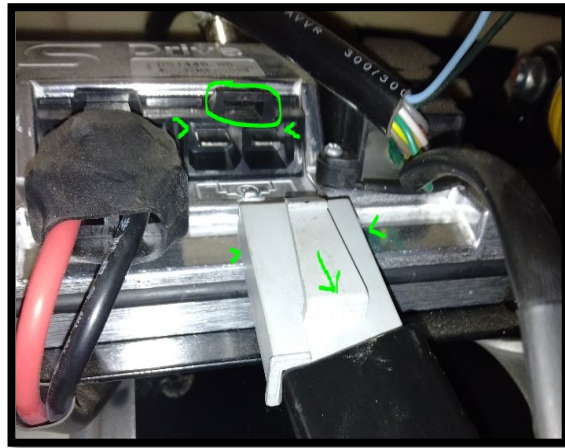
Fig ii)

2. Loosen the 3 bolts highlight (Motor Attach bolts, fig iii) remove the two lower bolts and leave the upper one screwed in until ready to take the weight of the motor unit. Disconnect the motor and brake unit wiring (see fig iv). When ready to remove motor, remove the last (upper) of the 3 bolts in fig iii. Note – Do not remove brake unit.

Fig iii)



Fig iv)



Connector socket on controller is circled

Fig v shows the transaxle with motor removed via RHS of scooter, Please note position of coupler pin as this will aid with motor re-installation.

Fig v)



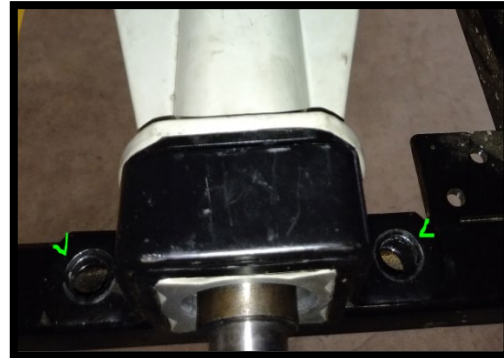
The coupler pin can slide around, it must be centered.

Loosen but don't remove the nyloc nuts on the LHS axle clamp bolts (fig vi) loosening until the nut is level with the end of each bolt. Remove the RHS axle clamp bolts as shown in fig vii

Fig vi)



Fig vii)



Remove the four bolts (fig viii & ix) and slide the extension housing off it's shaft carefully via RHS of scooter. Tilt the RHS of the transaxle upwards slightly to aid removal. This can be done as the LHS axle clamp bolts were loosened but not removed.

Fig viii)



Fig ix)



Figure x shows the extension housing being withdrawn via the RHS of the scooter.
Fig x



Take care not to strike/ bump the inside of the housing or bearing on the driveshaft as it is withdrawn, as this will damage the bearing.

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PRIORITY MAINTENANCE – Transaxle Bearings
Model : TG600RS & TG900RS

3. Before packing bearing with grease, please visually inspect the bearing for any sharp protrusions, use a glove to apply a liberal amount of grease and massage into the rollers & race as in fig xi. The bearing should very smooth. Also apply grease to the bearing journal surface of the RHS axle as shown as in fig xii.

Fig xi)



Fig xii)



RHS Axle shown supported by a wooden block which also prevents dirt ingress.

4. Reinstall Extension Housing and Motor

The bearing is ready for reinstallation which is the reverse of the removal procedure.

* Please take measures to prevent the ingress of dirt & debris into the bearing & extension housing.

** The grease used must be a High Temperature Bearing Grease.

*** Please take care to align the transaxle with the marks that were made, this will ensure good wheel alignment.

PARTS INFORMATION

Part # RUITA2525 : Bearing – Transaxle TG600/900RS

Should this bearing need to be replaced please send the housing only to Top Gun Mobility and our technicians will replace and return housing to your store.

FINANCIAL ASSISTANCE

It has been ascertained this process should take no longer than 1hr. Top Gun Mobility will reimburse dealers, by way of account credit to the value of \$80-00.