



# **TMC Australia Pty Ltd**

## **TMC Trailer Axle Assembly Check List**

### **Assembly Checklist**

#### **Assembly of camshaft**

1. Inspect bearing journals on short axle assembly are free of damage.
2. Insert enclosed cam tube outer seal into cam tube assembly on axle.
3. Assemble camshaft washer on camshaft and insert into brake spider.
4. Ensure the left and right camshafts are installed in the correct side of the axle assembly.
5. Slip a camshaft washer and enclosed cam tube inner seal on the inner end of the camshaft and lock in place with a camshaft circlip.
6. Install slack adjuster onto camshaft followed by a camshaft washer and a circlip.
7. Add additional camshaft washers if required.

#### **Assembly of hub/drum assembly**

1. Inspect for visible damage on the M22 studs on hub/drum assembly.
2. Assemble inner bearing into hub assembly.
3. Install oil seal on hub. Do not damage seal during installation.
4. Ensure there is sufficient grease in the hub cavity.

#### **Assembly of brake shoes on axle**

1. Assemble cam roller onto lined brake shoe.
2. Install brake return springs onto both brake shoes.
3. Position both brake shoes onto the brake spider and assemble anchor pins.
4. Check that the cam rollers are sitting properly in the camshaft head.

#### **Assembly of hub/drum assembly on axle**

1. Slide hub/drum assembly onto axle and insert the outer bearing into the hub. Ensure that the hub rotates freely in both directions.
2. Tighten the wheel bearing adjustment nut whilst rotating the hub until a torque setting of 390/410Nm is reached.
3. Fit axle lock nut and tighten to a torque of 290/310Nm.
4. Install hubcap gasket and hubcap on each end.
5. Tighten the M8 studs to a torque setting of 20/25Nm.



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### **TORQUE SETTINGS CHART**

#### **Wheel nuts:**

**M22 ISO wheel studs -550/600Nm.**

#### **Hub cap bolts:**

**M8 studs -20/25Nm.**

**Wheel Bearing Adjustment Nut -390/410Nm.**

**Axle Lock Nut -290/310Nm.**