

AXLE TECH BULLETIN

DATE: 28/07/2023

For Axle Models: D170, D190, D590

Complimentary 1st Check / Adjustment of Input Shaft Endplay

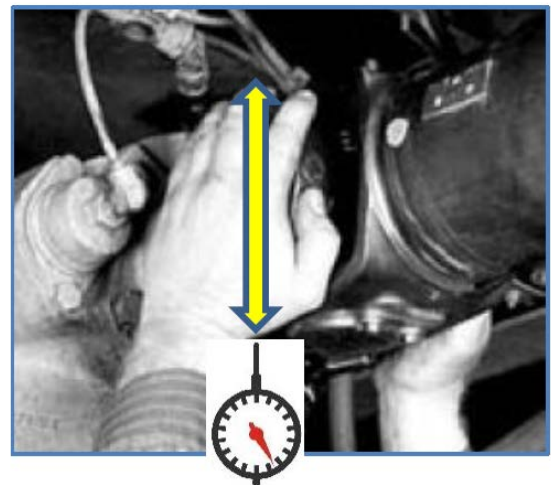
The checking and adjustment of the end-play of the input shaft is part of the regular service and maintenance regime required for **DANA D170, D190 and D590** axle models.

To assist with this DANA Australia offers a complimentary first service at which this end-play can be checked and, if necessary, adjusted. Simply visit your local Kenworth Dealer and request the free first service once your vehicle has completed between **40,000 km and 60,000 km**. DANA Australia will cover the cost of the check and adjustment as well as the spare parts required. This will give the end-user the peace of mind he needs at no further costs incurred.

After this first check and adjustment, DANA recommend that the end-play check to be done every: - **40,000km to 60,000km** thereafter.

This check can be performed without removing the drive shaft. Attach a dial indicator to the drive shaft and manipulate the yoke closest to the input shaft up and down. The 'up and down' movement of the drive shaft can be taken as the 'in and out' end-play of the input shaft bearings.

If the "up and down" reading exceeds **0.005" (0.127mm)** the drive shaft must be removed to do the proper end-play check of the input shaft. The end-play must then be adjusted as per the Service manual.



All the information on how to check and readjust the input shaft end-play is contained in the relevant service manual: -

Spicer Tandem Drive Axles Service Manual - AXSM0057 (Refer Pages: 7,13,21,22)

All Spicer / DANA Service Manuals and Spare Part Catalogues are available for free download at: - **www.dana.com.au/services**

The correct end-play tolerance for the input shaft is 0.001" to 0.005" (0.0254 – 0.127mm) and it is best practice to keep the end-play as close to the lower end of the tolerance as possible (0.001" / 0.0254mm).

If the end-play is required to be adjusted, the following parts need to be replaced: -

Nut & Seal (Kit: 131008K)

U/J Straps / Bolts (250.70.18X for SPL250) or (212214X for 1710 / 1810 style drive shafts)

If you have any questions, please call Dana Australia on 1300 003 262 or e-mail aus.spicer@dana.com for more information.

For Axle Models: D170, D190, D590

Complimentary 1st Check / Adjustment of Input Shaft Endplay

Simply book you new vehicle into you closest Kenworth Dealer - who will perform the end-play check / adjustment free of charge.

Dana Australia will cover the cost of the parts & labour of the 1st Check / Adjustment of the Input Shaft End-play in line with the following conditions: -

The work taking place between 40,000km to 60,000km after: -

- A)** The new truck has gone into service.
- B)** A new replacement diff head has been fitted (service parts sale).

For the Kenworth Dealer to get re-imbursed by DANA Australia, please submit the work details via the warranty system. Please make reference to the Axle Service Bulletin DA1020002 on your claim submission.

Labour: - 2hrs labour at the current Warranty labour rate.

Parts: - Nut & Seal (Kit: 131008K)
U/J Straps / Bolts (250.70.18X for SPL250) or (2122X for 1710 / 1810 drive shafts)

Please perform the end float adjustment as per the relevant **Service Manual AXSM0057**
- available for download from - **www.dana.com.au**

Full Time Pump Filter

The mesh screen filter for the Full Time Pump should also be cleaned out at this First Service.

Thereafter the filter should be cleaned out at every "C" service or every 100,000 km that the vehicle covers, or with every oil change.

Simply remove the screw on cap and remove the mesh screen filter and wash it in your parts cleaner.

Reassemble and tighten the cap until snug.



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