



# TRUCK SERVICE BULLETIN SUSPENSION

## New Pivot Bush & Torque Settings

### AD Suspension

February 1, 2005

Please be advised as of November 1<sup>st</sup> 2004 SAF-HOLLAND have increased substantially the torque settings on the Pivot Bolt and Transverse Nut on AD Series Suspensions to coincide with the introduction of the new Heavy Duty solid core bush part No. 90008252. This new bush is standard fitment in all vehicles manufactured in Australia with AD 246, 369, 252 or 378 Suspension after October 1<sup>st</sup> 2004 and is available as a replacement spare part from all authorised SAF-HOLLAND outlets.

These torque settings will further ensure that the clamp load stays constant when the correct maintenance and torque checks are carried out at regular service intervals as outlined in the SAF-HOLLAND Service Manual in your truck or more frequently in harsher conditions.

The procedure for these service operations is laid out below and are applicable to all AD Suspensions with UNC threaded pivots bolts only. For Kenworth suspension with UNF thread refer to Service Bulletin SB-4.

<u>Name</u>	<u>Current 246-369-252-378 90008151 Standard Bush</u>	<u>Increased 246-369-252-378 90008252 Solid Core Bush</u>	<u>Current AD 260-390</u>
Pivot Nut	700 ft lbs	800 ft lbs	*800 ft lbs
Transverse Nut	800 ft lbs	800 ft lbs	*800 ft lbs
Shock Absorber Bolt	150 ft lbs	No Increase	No Increase
Air Spring Nuts	35 ft lbs	No Increase	No Increase

\* In extreme adverse conditions the torque on both pivot nut and transverse beam can be increased to 1000 ft lbs.

Loosen bolts and set Suspension at the correct ride height prior to torque up.

Impact and or Rattle Guns are not to be used as they may cause damage to the threads.

Check threads for damage, burrs etc prior to retorquer

Use only Ratchet and Sockets to remove and refit nuts and finally a Torque Wrench to torque up nuts.

If washers are found to be loose prior or after retorquing, the pivot bolt needs to be removed checked and the bush will also need to be checked for excessive wear.

For torque turn method, refer over page.

The bushes are out of service if there is movement greater than 2.5 mm in the rubber section. Please allow for normal compression of the bush when checking for this.

Ensure the steel face of the bush is flat. If it is found to be damaged or worn in any way, it must be replaced immediately.

**Do not use worn components as this will compromise the suspensions safe operation.**

If you require any further information please do not hesitate to contact the customer service team at your SAF-HOLLAND Distributor or SAF-HOLLAND.

### Procedure for torquing pivot bolts using torque turn method.

Check threads are clean and free of burrs.  
Replace any parts that appear damaged.  
Apply a light oil to bolt before fitting nut.

#### For AD 246 - 369 - 252 - 378

Fit nut and torque up to 200 ft lbs.  
Mark nut and frame bracket.  
\*Tighten nut 3 flats this will achieve 800 ft lbs.

#### For AD 260 - 390

Fit nut and torque up to 200 ft lbs.  
Mark nut and frame bracket.  
\*Turn nut 2 flats to achieve 800 ft lbs.

\*Note: Mark the head of the bolt to ensure that it doesn't move while being torqued.



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