

**Date:** October 2015  
**Subject:** Inter-axle Differential Set Up for Tri-drive Operation in Australia  
**Models:** RZ78-188 and RZ78-388

Based on historical field experience, that has demonstrated an improved balance on the wear of the drive axle tyres, Meritor® recommends that the Inter-axle Differential (IAD or Power Divider) is permanently engaged on the first axle of the tridem axle group. Engagement and disengagement of the IAD for the second axle of the tridem axle group should be kept as a manually switched operation.

Please refer to Meritor® Technical Bulletin TP-9579 (Driver Instruction) for correct operation of the IAD and Driver Controlled Differential Lock (DCDL or cross-lock)

Permanent engagement of the first axle IAD can be achieved by replacing the IAD cylinder and locking the IAD in position using a new IAD cylinder, screw and lock nut.

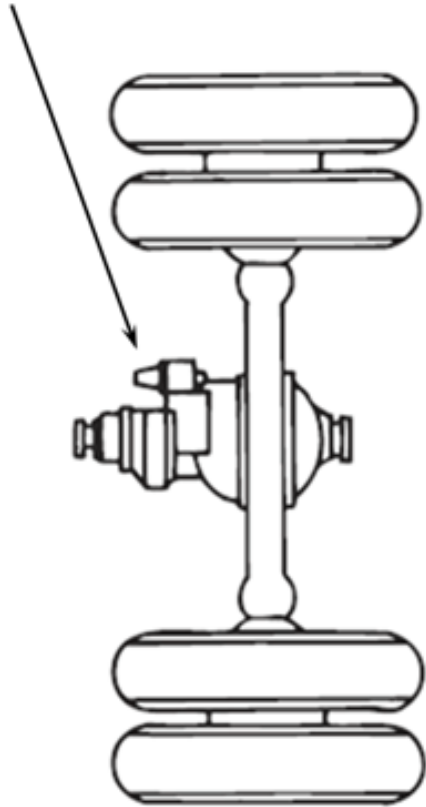
	<b>Part Number to be Removed</b>	<b>Part Numbers to be Added</b>
Air cylinder	A2-3261-Q-1057	A-3261-A-1067 (Available in KIT-2824 – shaft in kit may be discarded)
Screw	N/A	41-X-1368
Lock nut	N/A	1227-J-1804

Parts can be ordered through the normal Meritor® Aftermarket channels.

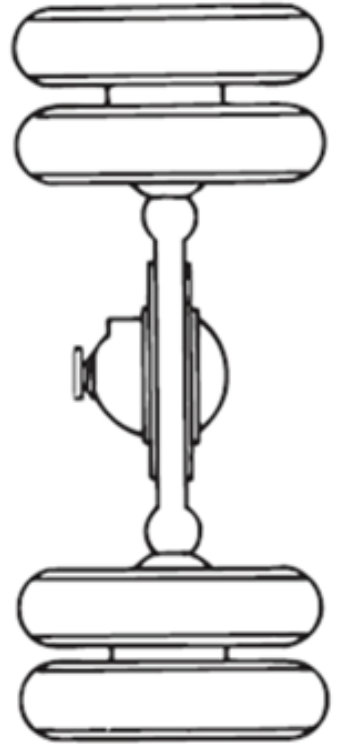
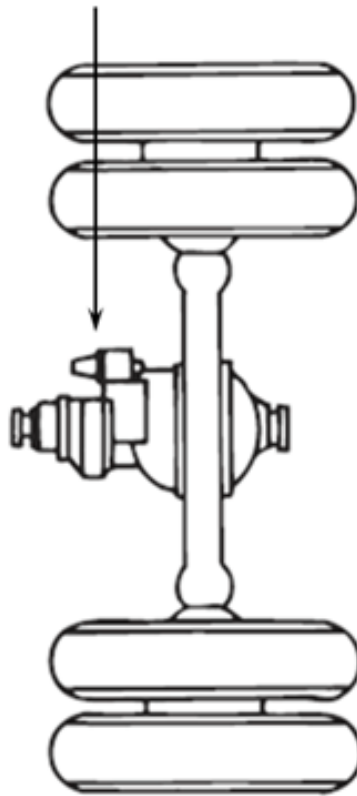
In order to minimise wear on the IAD components, it is also recommended that consideration be given to ensuring there is no mismatch of tyre diameters between axles.

Meritor® recommends matching tyres to within 3.18 mm (1/8-inch) of the same rolling radius and 19.05 mm 3/4-inch of the same rolling circumference.

First axle IAD to be permanently engaged



Second axle IAD to be manually operated



Match tyres of each axle:

- To 3.18 mm (1/8") of same radius
- To 19.05 mm (3/4") of same circumference

For any questions relating to the above, please contact a Meritor® Australia representative on +613-9300-5200.

Issued by Product Engineering  
Meritor HVSA Ltd