



TRUCK SUSPENSION

No: 97117-207
 Subject: AIRTEK CASTER KIT
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INTRODUCTION

- Hendrickson Asia Pacific (HAPPL) in conjunction with Iveco Trucks Australia Limited (ITAL) have identified that certain ACCO 2350 vehicles fitted with Hendrickson Airtek suspension develop a wheel shimmy condition. The wheel shimmy condition is inconsistent and apparent at speeds in the range of 40 to 50 kilometres per hour. Fleet trials have revealed that the reduction of the caster angle can reduce wheel shimmy where identified.
- The purpose of this Technical Bulletin is to detail the configuration and installation of the caster wedge kits available for the Iveco 2350 Family of Vehicles fitted with Airtek suspension.

CASTER KITS

- The Caster Wedge Kits seen at Figure One, consists of mandatory replacement fasteners and, shaped wedges to suit the axle location and design. Table One details the appropriate kits and all mandatory replacement items.

Figure One - Airtek Caster Wedge Kit Layout

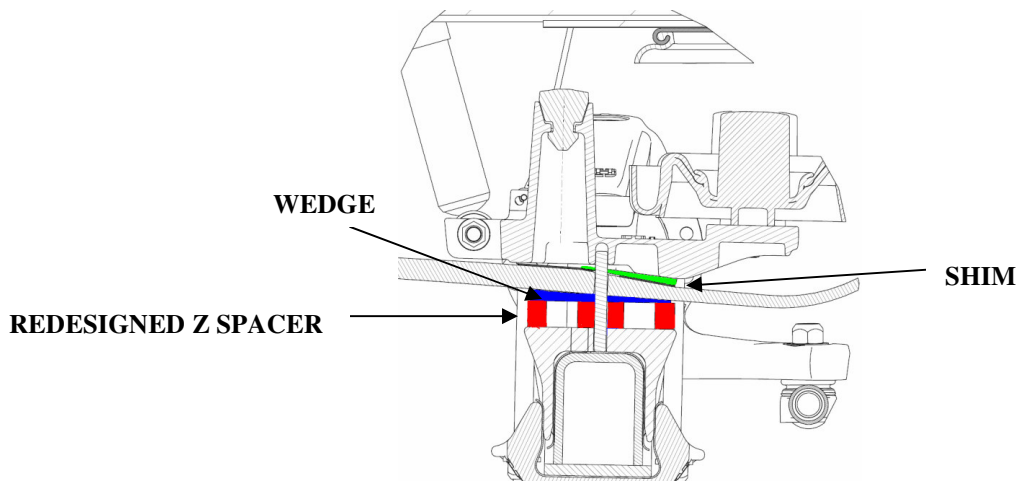


TABLE ONE – CASTER WEDGE KIT

Serial	Component	Qty Per Axle	Twin Steer	Single Steer
1.	3.2 Degree Wedge	2	Service Kit 98785-120 Contains Items 1-8 (Complete Twin Steer)	Service Kit 98785-121 Contains Items 2-8 (Complete Single Steer)
2.	2.8 Degree Wedge	2		
3.	Z- Spacer 28 MM	2		
4.	SHIM	2		
5.	M 20 Bolt	8		
6.	M20 Washer	8		
7.	M20 Lock Nut	8		
8.	Wrap Liner - Top	2		
Note 2.8 Degree Wedge Used on No 2 Axle Twin Steer				

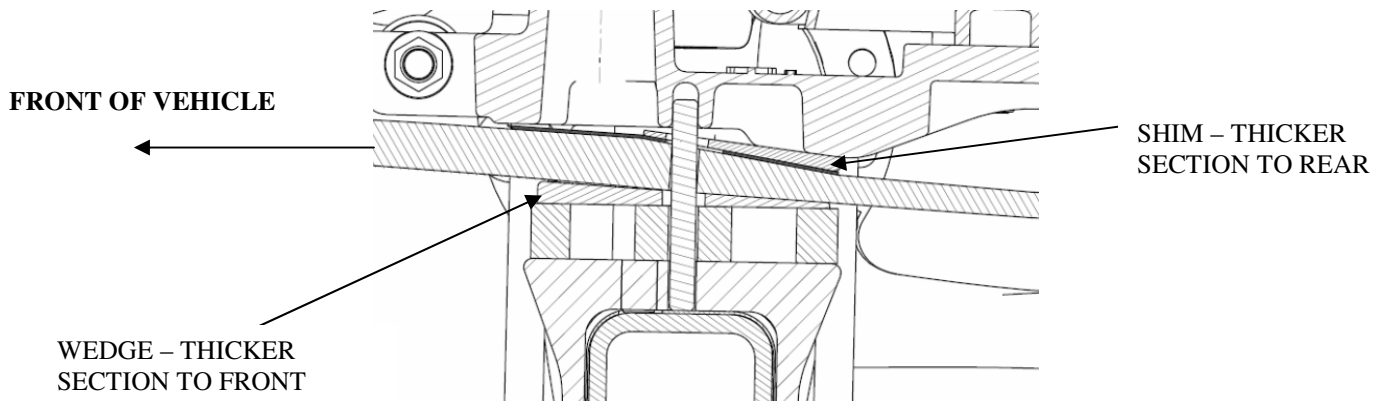
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CASTER KIT INSTALLATION PROCEDURE

4. The Caster Kit should be installed in accordance with the Hendrickson Airtek Technical Bulletin 49441-338. The correct orientation of the caster wedges (part number 97069-029 and 030) is with the thicker section positioned towards the front of the vehicle. The shim (part number 97069-032) is positioned with the thicker section towards the rear of the vehicle. See Figure 2 for details.

Figure Two - Airtek Caster Wedge Orientation



WARNING

ENSURE THAT THE AIRTEK CLAMP GROUP IS ALIGNED PROPERLY PRIOR TO TENSIONING THE HARDWARE TO **430 N.M.** FAILURE TO DO SO CAN CAUSE LOSS OF VEHICLE CONTROL, PERSONAL INJURY, OR PROPERTY DAMAGE

5. The vehicle ride height must be reset to 250 MM prior to conducting the wheel alignment; the vehicle ride height is able to be adjusted by setting a 69.5 MM clearance between the bump stop and underside of chassis rail.

6. It is requested that the following information is recorded on completion of the caster kit installation and forwarded to ITAL Product Support for their records:

- a. Vehicle Identification Number;
- b. Vehicle Unit Number – Registration Number;
- c. Date of suspension installation; and
- d. Hours / Vehicle Distance travelled.

Any questions in relation to this Technical Bulletin please forward to the Hendrickson Product Support Group: Telephone (03) 8792 3600 or email to: technicalservice@hendrickson.com.au

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