

INTRAAAX FUEL TANKER TRAILER SUSPENSIONS

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INTRAAAX FUEL SPECIFICATION AA250 & AAL250 DISC TRAILER AIR SUSPENSIONS WARRANTY STATEMENT

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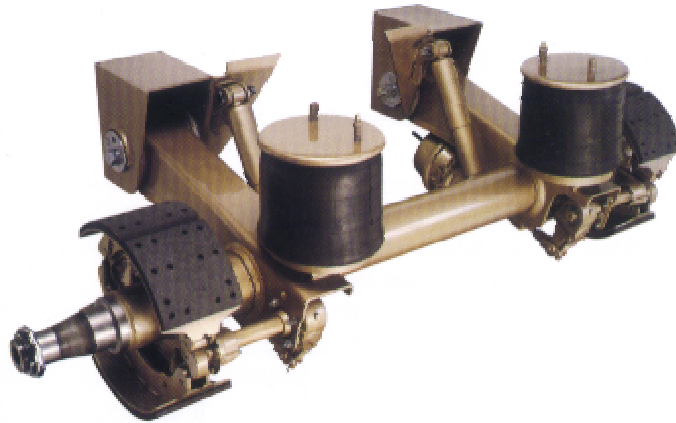


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WARRANTY CONDITIONS

Hendrickson Asia Pacific (Hendrickson) warrants that all trailer suspensions fitted to tanker trailer in the Asia Pacific Region, listed on the following pages, shall be free of defects in material or workmanship. This warranty coverage only applies to those suspensions that have been correctly assembled and installed by approved installers, correctly maintained, and used in the recommended application. All non-recommended suspension applications must receive written approval from Hendrickson in order to be covered under this warranty. This warranty is subject to the conditions, exclusions and limitations listed below.

- Parts to be returned under a warranty claim must be accompanied by the Warranty Return Number (**WRN**) issued by the Hendrickson Warranty Centre.
- Hendrickson will not accept the alleged defective part for return unless specifically requested. Any part returned will be at the express instructions of Hendrickson and accompanied by the correct paperwork quoting their WRN (Warranty Return Number).
- Claims will be denied if either parts do not conform to this policy, are tested within specifications or signs of contamination are present.
- Freight will only be covered if Hendrickson's nominated carrier is used.
- Only genuine Hendrickson parts, or parts sold through Hendrickson, may be used to repair Hendrickson suspension systems.
- Refer to the labour allowances on Page 5 for a listing of typical repairs. Contact the Hendrickson Warranty Centre 61 3 9767 3400 to discuss allowances for anything not listed.
- Hendrickson has the sole discretion and authority to accept or reject a warranty claim.

Hendrickson is not responsible for any additional costs that may be incurred when replacement parts or materials are not acquired through the Hendrickson distribution network.

COVERAGE

The Hendrickson suspension warranty coverage begins when the trailer is put into service and ends when the time or distance specified in the warranty-coverage table (*pages 3 &4*) is reached.

The warranty shall not apply to or include any repair or replacement as a result of the following conditions:

- Accident, fire or other casualty.
- Misuse or negligence including, but not limited to, overloading.
- Lack of reasonable and proper maintenance.
- Repairs improperly performed or replacements improperly installed.
- Use of component parts, replacement or otherwise, that are not manufactured or distributed by Hendrickson.
- Modifications not recommended or approved by Hendrickson (*in writing*).
- Applications outside published guidelines or approval under the Hendrickson application approval system
- Uses other than intended by Hendrickson Asia Pacific Pty Normal wear and deterioration occasioned by the use of the suspension system.

The liability of Hendrickson under this warranty is limited solely to the repair or replacement of defective material or workmanship by an authorised person. Hendrickson shall not be liable for repairs performed by any unauthorised persons. This warranty does not include any expense of or related to transportation of the parts to or from the place where the repair is to be performed or compensation for inconvenience or loss of use while the suspension system is being repaired. Hendrickson shall not be liable for any expense, loss or damage (*direct, incidental, consequential or exemplary – including, but not limited to, towing expenses, downtime expenses, cargo damage, incidental charges or any other losses arising in connection with the sale, use or inability to use the suspension system*) resulting from the warranty-covered part found to be defective.

No expressed warranty is given by Hendrickson with respect to its suspension system except as specifically set forth herein. Any warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the expressed warranty term provided in the warranty-coverage table (*pages 3 & 4*).

INTRAAX FUEL SPECIFICATION SUSPENSION TRAILER WARRANTY STATEMENT



COVERAGE TABLE

The coverage periods in this table apply when the suspension is used in the recommended application and within the rated capacities.

Coverage may differ on some items used in applications for which special written approval was granted.

For more warranty coverage information contact the Hendrickson Warranty Centre on 61 3 9767 3400.

ITEM DESCRIPTION	SUSPENSION TYPE	PARTS	LABOUR	COMMENTS (Restrictions, etc.)
SUSPENSION COMPONENTS				
Half-Traax Assembly	Intraax Fuel Spec*	500,000 km or 3 years	500,000 km or 3 years	Coverage Limited to Highway Fuel Tanker Operations Only
Trailing Arms	Intraax Fuel Spec*	500,000 km or 3 years	500,000 km or 3 years	
Tri-Functional® Bushings	Intraax Fuel Spec*	500,000 km or 3 years	500,000 km or 3 years	
Hangers	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Air Springs	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Air Controls (Lift Axles)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Shock Absorbers (Standard)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Bearing Tube Spacers	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
WHEEL-END AND BRAKE COMPONENTS				
Brake Linings, Pads and Attaching Hardware	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	Coverage limited to components sold and installed by Hendrickson Asia Pacific (excludes normal wear)
Cams Tubes	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Slack Adjusters (Manual)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	Coverage Limited to Highway Fuel Tanker Operations Only
Slack Adjusters (Auto)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	



ITEM DESCRIPTION	SUSPENSION TYPE	PARTS	LABOUR	COMMENTS (Restrictions, etc.)
WHEEL-END AND BRAKE COMPONENTS (Cont'd)				
Brake Chamber	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	Coverage limited to components sold and installed by Hendrickson Asia Pacific (<i>excludes normal wear</i>) Coverage Limited to Highway Fuel Tanker Operations Only
Brake Drums (<i>Not Overheated</i>)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Disc Brake Calliper	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Disc Brake Rotor (<i>not overheated/heat cracks</i>)	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Hub Assembly, Extended Service (ConMet PreSet™) Wheel Bearings	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	
Oil Seals	Intraax Fuel Spec*	360,000 km or 2 years	360,000 km or 2 years	

DEFINITIONS

- “Intraax Fuel Spec” is defined as having the following components:
 - Intraax® AA250 Drum Brake Halftraax ,
 - Intraax® AAL250 Disc Brake Halftraax,
 - Fitted with Alloy Hubs, Glove style Tubing Spacers, ConMet PreSet™, and Centrifuse Brake Drums *. HXS Brake Linings*
- *If applicable

ADDITIONAL WARRANTY COVERAGE INFORMATION

The warranty periods in the coverage table on pages 4&5 apply when the suspension is used in the recommended and documented application, within the rated capacities and maintained under a detailed preventive maintenance program.

Wearing items such as wear pads and shock absorbers that are designed to be replaced periodically to ensure optimum suspension operation shall be warranted under the relevant spare parts policy.

Coverage may differ on some items used in applications for which special written approval was granted. If you have any questions about the information contained herein, please contact the Hendrickson Warranty Centre on 61 3 9767 3400. (*or by Email to technicalservice@hendrickson.com.au*)



WARRANTY CLAIM CONSIDERATIONS

- **SYSTEM PROBLEMS OR PARTS FAILURES THAT RESULT FROM IMPROPER INSTALLATION ARE THE RESPONSIBILITY OF THE INSTALLER OF THE SUSPENSION.**
- **DO NOT DESTROY THE PARTS BEING CONSIDERED FOR WARRANTY!**
All failed parts must be held by the repairer for 90 days from the date of repair, or until the claim is settled. Failed parts are to be returned only upon Hendrickson's request and must be accompanied by a (WRN) Warranty Return Number.

LABOUR ALLOWANCES

The standard repair times listed here include, but are not limited to, the parts in the itemised description. It may be necessary to remove and install additional parts not included in the basic descriptions in order to complete the warranty repair. In such cases a detailed report validating the claim for additional time is to be attached to the warranty claim form.

COMPONENT DESCRIPTION TIME (Hrs)

Air spring:	
Each air spring (<i>up to three</i>)	1.00
Each additional air spring	0.50
Centre Lift air spring	0.50
Beam and axle: (<i>per axle</i>)	
Seat assembly replacement for HT and T suspensions.*	4.00
Brakes:	
- Brake Chamber (<i>each</i>)	0.50
- Brake Shoe (<i>each axle end</i>)	1.50
- Disc Pads (<i>each axle end</i>)	0.50
- Disc Rotor (<i>each axle end</i>)	1.75
- Disc Calliper (<i>each axle end</i>)	1.50
Half-Traax: (<i>each axle</i>)	6.00
Includes:	
Removal and installation of:	
- Pivot connection hardware	
- Hubs and Drums	
- Air springs	
- Shocks and shock mounting hardware	
- Height control valve	
- ABS valves and sensor wiring	
- Brake chambers	
- Slack adjusters	
- S-cams & Cam Tubes	
- Brake linings and hardware	
- <i>Axle Alignment**</i>	

COMPONENT DESCRIPTION TIME (Hrs)

Hanger bracket: (<i>welded</i>)	4.00
Includes removal and replacement of:	
- Pivot connection hardware	
- Axle Alignment*	
Hanger liner: [<i>wear pad</i>] (<i>per axle</i>)	3.00
Includes:	
- Removal and replacement of Pivot connection hardware	
- <i>Axle Alignment *</i>	
Height Control Valve:	0.50
Shock absorber:	
- replace	0.50
- bush	0.25
- Lower bolt	0.25
- Lower bolt kit	1.25
- upper & lower bolt	0.50
- upper bracket (<i>weld-on</i>)	1.50
- upper bracket (<i>bolt-on</i>)	1.00
- strap	0.50
Slack adjuster:	0.50
Cam Tubes: (<i>each</i>)	2.00
Tri-Functional Bushings (<i>per axle</i>)	4.00
Includes:	
Removal and replacement of:	
- Tri-Functional Bushings	
- Pivot connection hardware	
- Axle Alignment *	
Wheel ends: (<i>each</i>)	
- Inner wheel seal	1.25
- Hub assembly	1.25
- Hub cap / gasket	0.50

- Please contact the Hendrickson Warranty Centre 61 3 9767 3400 for repair times on items not listed here, prior to commencement of the repair.
 - All work shall be performed following the approved Hendrickson procedures using correct service tools.
 - Labour will be calculated by multiplying the above listed hours by the current agreed hourly rate at the time of the repair.
 - **Labour considerations are only available to approved Hendrickson Repairers.**
- ** An allowance for *Axle Alignment* will be only considered if it is required as part of a listed repair procedure.