



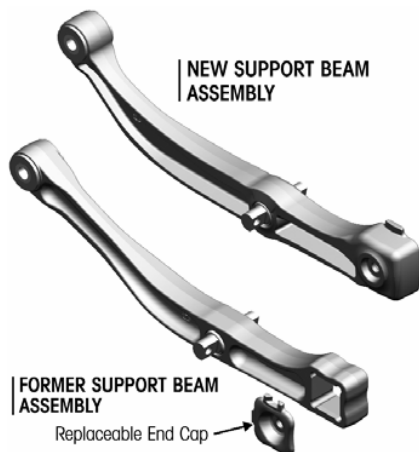
### TRUCK SUSPENSION

No: 97117-206  
Subject: PRIMAAX EX - GEN II HYBRID  
Date: NOVEMBER – 2009 Revision: A

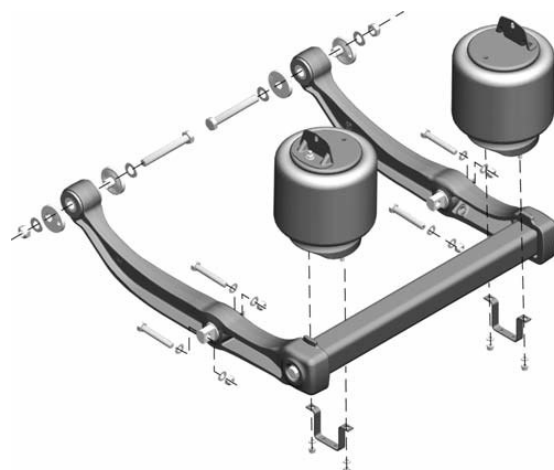
### INTRODUCTION

1. Hendrickson Asia Pacific (HAPPL) and Iveco Trucks Australia Limited (ITAL) in partnership have completed exhaustive testing of the new improved Primaax EX suspension. The testing was modeled to suite our unique Australian conditions thereby ensuring that the suspension is capable of meeting severe duty conditions. The new design provides greater durability in approved applications with the ride quality and stability remaining consistent with the original design.
2. The most obvious changes between the earlier Generation II Primaax and Primaax EX is the integration of the cast end cap, as shown at Figure 1.

**Figure One**  
**Primaax Gen II and Primaax EX**  
**Main Support Beam Configuration**



**Figure Two**  
**U-Beam Assembly Service Kit**



### U-BEAM ASSEMBLY SERVICE KITS

3. The new support beam assemblies are available in various kits to match the vehicle configuration frame width. The optional U Beam Assembly Service Kits are detailed in Table One, Page Two. All Primaax Family Suspension Systems, including Generation One and Two are able to be serviced with these kits. Each service kit, detailed at Figure Two, is intended for servicing the associated suspension parts on one axle, and consists of the following components:

- a. U-Beam Assembly;
- b. Two Air Spring Assemblies;
- c. Lower Air Spring Fasteners;
- d. Support Beam D-Pin Fasteners; and
- e. Quik-Align Collars and Fasteners.

*Information contained in this literature was accurate at the time of publication, product changes may have been made after the publication date that are not reflected here*



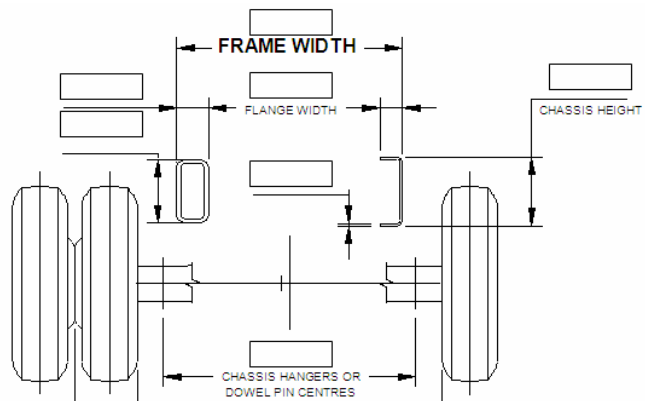
TABLE ONE – AFTERMARKET PRIMAAX EX U-BEAM ASSEMBLY SERVICE KITS

Serial	Service Kit Parts No.	Drive Axle	Frame Width	Cross Tube 60912-XXX	Cross Tube 'A' Dimension MM	New U-Beam Assy 67249-XXX	Former U-Beam Assy. 66659-XXX
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1.	60961-235	Forward	864	-101	1053.5	-004	-004
2.	60961-236	Rear	864	-101	1053.5	-003	-003
3.	60961-239	Forward	883	-102	1066	-010	-010
4.	60961-240	Rear	883	-102	1066	-009	-009
5.	60961-241	Forward	870	-103	1061.25	-012	-012
6.	60961-242	Rear	870	-103	1061.25	-011	-011

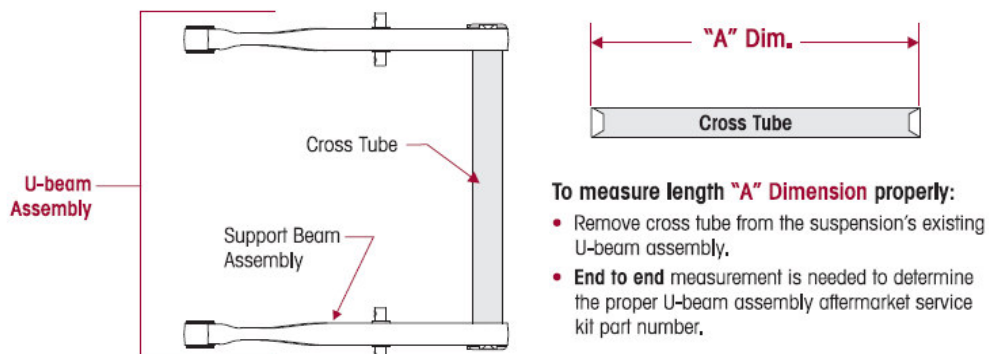
**KIT INSTALLATION**

4. The U-Beam assembly aftermarket service kits are designed for the new Primaax EX and Primaax Generation II U-Beam assemblies and their related components. Additional drilling and modification is not required. The service kits are engineered to suit various frame and cross tube lengths. To ensure the selection of the correct service kit make measurement of points for frame and cross tube as highlighted in figures three and four.

**Figure Three  
Frame Width Datum Point**



**Figure Four  
Cross Tube Measurement Point  
"A" Dimension**



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 **WARNING**

DO NOT USE A COMBINATION OF PRIMAAX EX AND PRIMAAX GENERATION II SUPPORT BEAM ASSEMBLIES ATTACHED TO THE SAME CROSS TUBE, I.E A GENERATION II BEAM ON ONE SIDE AND AN EX ON THE OTHER. USE OF DIFFERENT SUPPORT BEAM ASSEMBLIES AND/OR AIR SPRINGS ON THE SAME CROSS TUBE CAN RESULT IN VEHICLE LEAN AND/OR VEHICLE HANDLING PROBLEMS. IT IS ALLOWABLE TO HAVE DIFFERENT U-BEAM ASSEMBLY TYPES ON DIFFERENT AXLES OF A TANDEM SET

5. The new design requires the installation of the new support beam assembly on both sides of the same axle/cross tube. Vehicles equipped with Primaax Generation II support beams can continue to be serviced with the former support beam (Part Number 66345-XXX) or U-Beam assembly (part Number 66659-XXX) if so desired, or replaced with the new Primaax EX U-Beam assembly service kits detailed at Table One.
6. To install the U-Beam Assembly Service Kits, follow the Primaax component replacement procedures and safety instructions in Hendrickson Technical Publication number 97117-109, November 2009, Revision N.
7. The Main Support Beam to Cross tube fasteners are factory set. It is critical that these fasteners are not disturbed during the installation process.
8. It is requested that the following information is recorded on completion of the suspension replacement 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](mailto:technicalservice@hendrickson.com.au)**

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