

Hendrickson PRIMAAX®/PRIMAAX EX® Suspension, Recommended Preventive-Maintenance Intervals

32-46

FLA COE
FLB COE
> FLD Conventional
Business Class
FLC 112 Conventional

> Century Class Conventional
Argosy COE
Cargo
> Columbia

> Coronado
> Business Class M2
> Cascadia
> 108SD/114SD

**Freightliner
Service Bulletin**

General Information

Following appropriate inspection procedures is important for the proper maintenance and operation of the suspension system. Hendrickson recommends that the PRIMAAX®/PRIMAAX EX® heavy-duty rear suspension be inspected at delivery, the first 1000 miles (1600 km) of service, and at the regular preventive maintenance intervals. Off-highway and severe-service operating conditions require more frequent inspections than on-highway service operation. Refer to Hendrickson Technical Procedure publication 17730-266 and 17730-238, available online at www.hendrickson-intl.com, for complete PRIMAAX®/PRIMAAX EX® suspension inspection details.

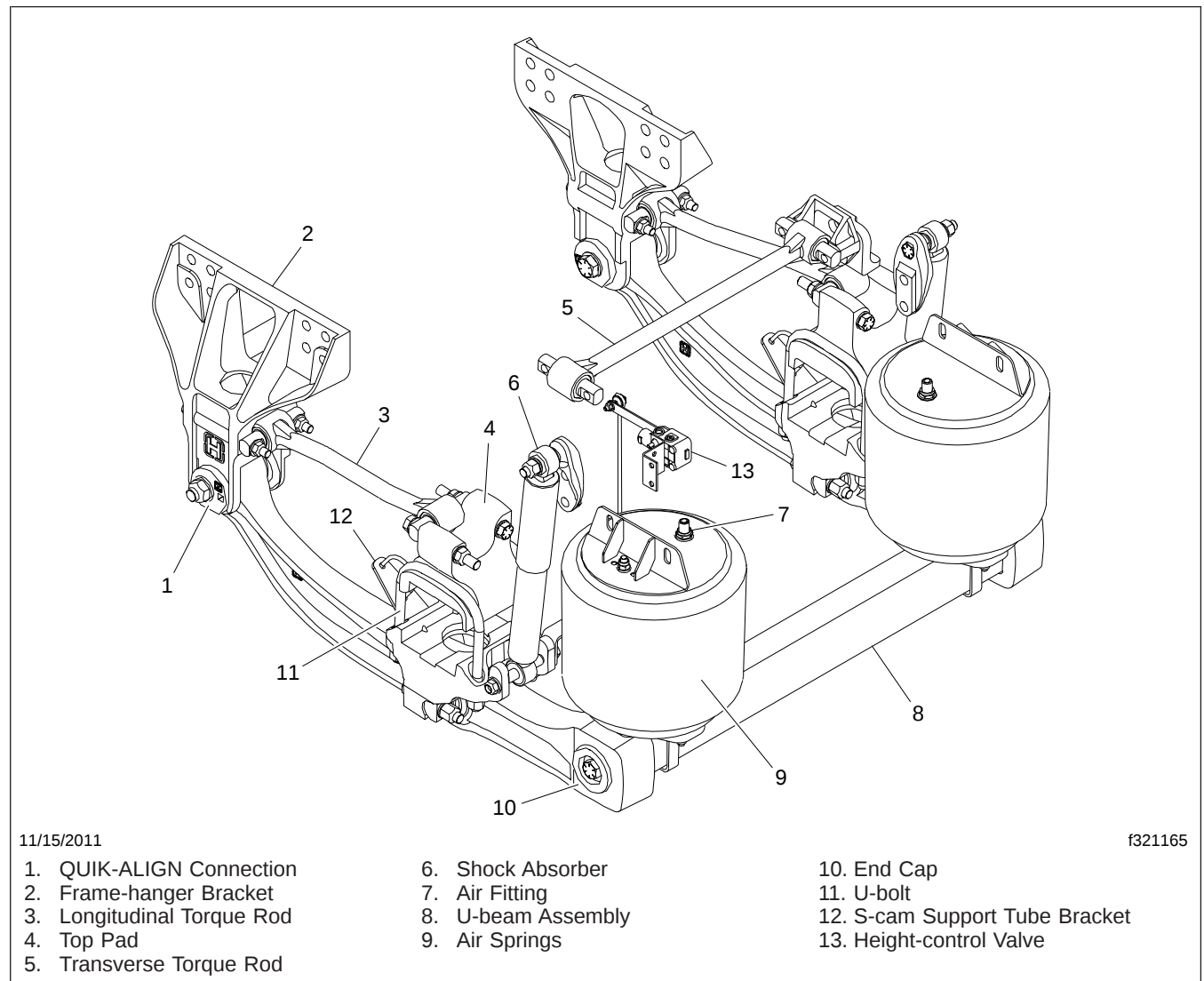


Fig. 1, Suspension Components, EX 262/522/782, 8-1/2 inch to 10-1/2 inch Ride Height

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1. Inspect all suspension components.
2. Verify that drive axle lateral alignment is within tolerances. See the applicable workshop/service manual.
3. Verify that the ride height is 10 in (25 cm) between the underside of the frame and the center of the axle.
4. Check all fasteners for proper torque, paying special attention to the connections in [Table 1](#).

Suspension Fastener Torque Values			
Fastener Location	Fastener Size	Torque: lbf-ft (N·m)	Figure
Beam Assembly to Cross Tube, Vehicles Built March 2009 or Later	7/8–9 UNC	DO NOT RE-TORQUE	Fig. 2
Beam Assembly to Cross Tube, Vehicles Built Prior to March 2009	7/8–9 UNC	525–575 (710–780)	
Pivot Bolt on QUIK-ALIGN	1–14 UNF	525–575 (710–780)	Fig. 3, 4
Longitudinal Torque Rod to Rear Top Pad Mount	5/8–11 UNC	190–230 (260–310)	Fig. 3, 4
	3/4–16 UNF	275–325 (375–440)	
	7/8–14 UNF	525–575 (710–780)	
U-bolt Locknuts	3/4–16 UNF	350–400 (475–540)	Fig. 5

Table 1, Suspension Fastener Torque Values

5. Verify that each transverse torque rod is perpendicular to the frame rail ($\pm 1.5^\circ$) and parallel to the ground ($+5^\circ$).

Inspection at 1000 Miles (1600 km)

1. Inspect suspension components, with special attention to the air springs and U-beam assembly, for:
 - signs of unusual movement, loose or missing components;
 - signs of abrasive or adverse contact with other components;
 - damaged, bent, or cracked parts.
2. Check all fasteners for proper torque, paying special attention to the connections in [Table 1](#).

Preventive Maintenance

Off-highway and severe service—Every 25,000 miles (40 000 km), or 6 months, whichever comes first.

100% On-highway service—Every 50,000 miles (80 000 km), or 12 months, whichever comes first.

1. Inspect suspension components, with special attention to the air springs and U-beam assembly, for:
 - signs of unusual movement, loose or missing components;
 - signs of abrasive or adverse contact with other components;
 - damaged, bent, or cracked parts.
2. Check all fasteners for proper torque, paying special attention to the connections in [Table 1](#).
3. Verify that drive axle lateral alignment is within tolerances. See the applicable workshop/service manual.

Warranty

This is an informational bulletin only.

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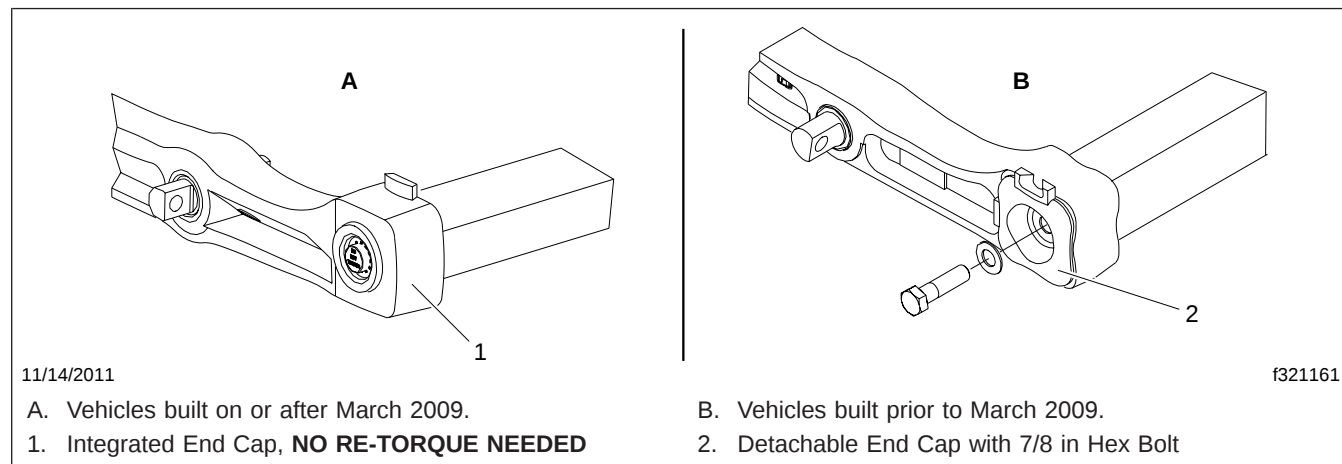


Fig. 2, Differences between U-beam Assemblies

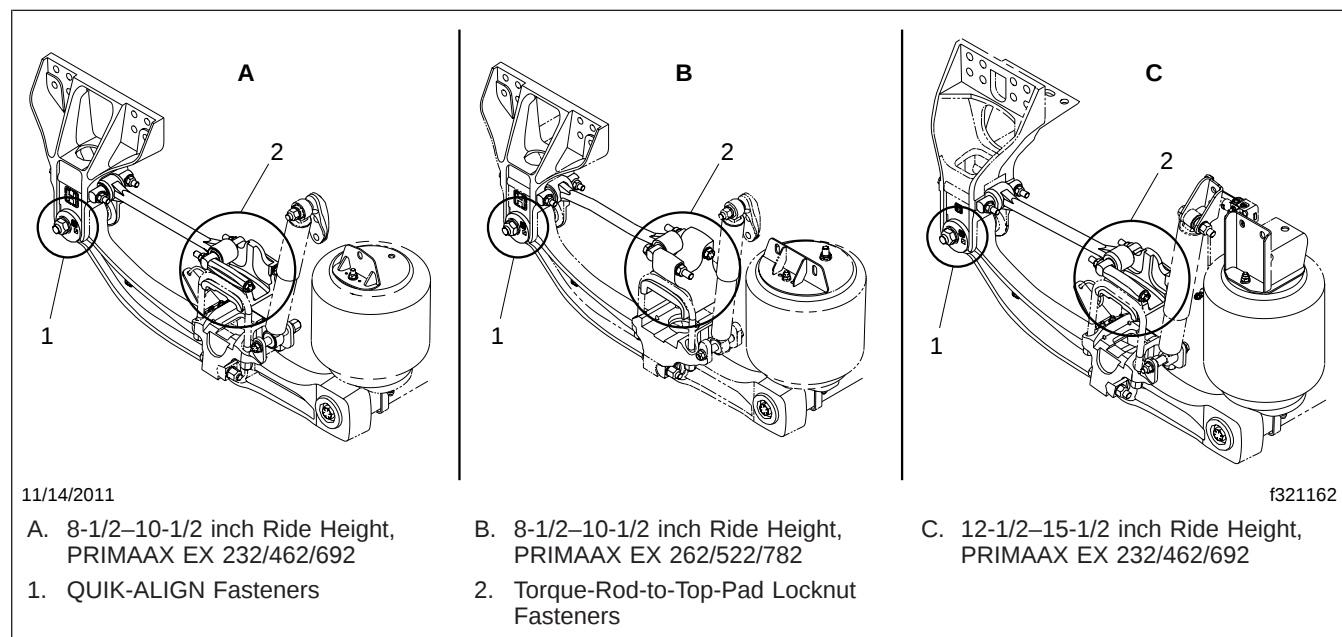


Fig. 3, QUIK-ALIGN and Torque Rod Fasteners, PRIMAAX EX

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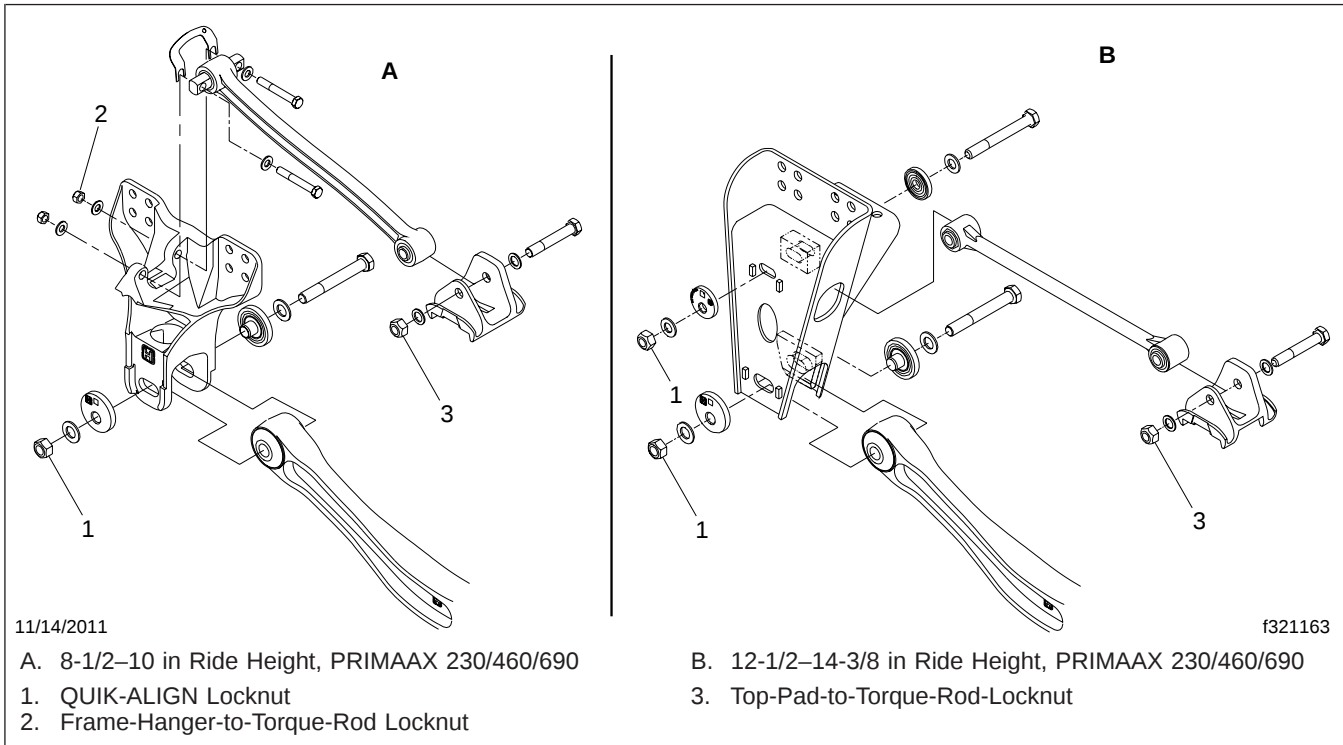


Fig. 4, QUIK-ALIGN and Torque Rod Fasteners, PRIMAAX

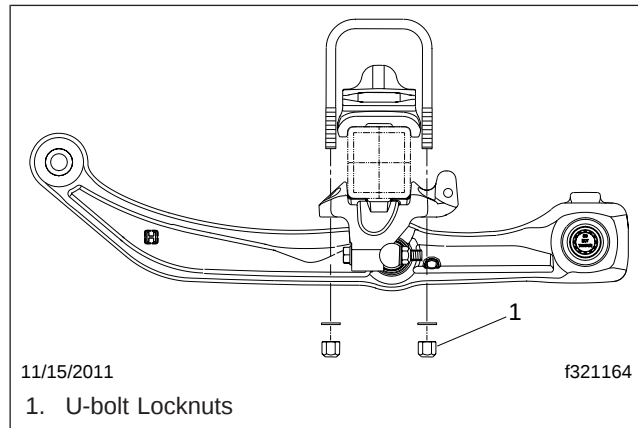


Fig. 5, Clamp-Group Fasteners