



H TECHNICAL PROCEDURE

HAULMAAX®

SUBJECT: Pre-delivery Inspection and
Preventive Maintenance

LIT NO: 17730-255

DATE: July 2011

REVISION: B

IMPORTANT

INTRODUCTION

Following appropriate inspection procedures is important to help ensure the proper maintenance and operation of the suspension system and component parts. Hendrickson recommends the HAULMAAX® heavy-duty rear suspension be inspected at pre-delivery, the first 1,000 miles and at the regular preventive maintenance intervals. Off-highway and severe service operating conditions require more frequent inspections than on-highway service operation. Inspection must include components referenced in this publication.

Carefully inspect the vehicle, refer to Hendrickson Technical Procedure publication number 17730-244 for complete HAULMAAX suspension inspection procedures, important safety notices and preventive maintenance details, available at www.hendrickson-intl.com.

SAFETY REMINDER

All applicable warnings and cautions should be read carefully to help prevent personal injury and to assure that proper methods are used. Improper maintenance, service or repair may damage the vehicle, cause personal injury, render the vehicle unsafe in operation, or void manufacturer's warranty.

Failure to follow the applicable safety precautions can result in personal injury and/or property damage. Carefully read and understand all safety related information within the applicable Hendrickson publications, on all decals and those provided by the vehicle manufacturer before operating the vehicle, or conducting any maintenance, service or repair.



WARNING

OVERLOADED SUSPENSIONS CAN CAUSE COMPONENT FAILURE, LOSS OF VEHICLE CONTROL, SEVERE PERSONAL INJURY OR PROPERTY DAMAGE.

- DO NOT EXCEED SUSPENSION CAPACITY RATINGS.
- DO NOT OPERATE AUXILIARY LIFT AXLES OR OTHER LOAD TRANSFERRING DEVICES IN ANY WAY THAT CAN OVERLOAD THE SUSPENSION.

INSPECTION INTERVALS

NOTE

Maintain correct torque values at all times. Check torque values on a regular basis as specified. Reference the Torque Requirement section of the HAULMAAX Technical Publication No. 17730-244, using a torque wrench that is regularly calibrated. Torque values specified in this technical publication are for Hendrickson supplied fasteners only. If non-Hendrickson fasteners are used, follow torque specification listed in the vehicle manufacturer's service manual.

PRE-DELIVERY INSPECTION

1. Visually inspect suspension for proper assembly
2. Check all fasteners for proper torque with special attention to the following suspension connections:
 - Saddle to the outboard frame bracket fasteners
 - Equalizing beam end connections
 - Inboard frame bracket to the cross member fasteners
 - Auxiliary spring contact plate fasteners to the equalizing beam assembly



WARNING

AT LEAST ONE AUXILIARY SPRING SHIM MUST BE EQUIPPED ON EACH SIDE OF THE HAULMAAX SUSPENSION. FAILURE TO DO SO CAN CAUSE PREMATURE COMPONENT WEAR, EQUALIZING BEAM MISALIGNMENT, LOSS OF VEHICLE CONTROL AND POSSIBLE PERSONAL INJURY OR PROPERTY DAMAGE.

3. Set auxiliary spring shims to required specifications, the number of shims (minimum of one shim and maximum of five shims) is dependent on the following criteria:
 - Vehicle empty weight
 - Vehicle application

Refer to the Alignment and Adjustment section in the HAULMAAX Technical Procedure publication Lit. No. 17730-244
4. Verify the lateral alignment of the axles are within the vehicle manufacturer's tolerances.

INSPECTION AT 1,000 MILES

1. Visually inspect suspension components. Check for:
 - Proper suspension function
 - 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 with special attention to the following suspension connections:
 - Saddle to the outboard frame bracket fasteners
 - Equalizing beam end connections
 - Inboard frame bracket to the cross member fasteners
 - Auxiliary spring contact plate fasteners to the equalizing beam assembly

PREVENTIVE MAINTENANCE

- **Every three months** inspect auxiliary springs, rebound straps, wear plates, and bolster springs / tie-bar bolster springs.
- **Every six months** inspect equalizing beam end connections.
- **Every twelve months:**
 1. Visually inspect suspension for proper assembly
 2. Check all fasteners for proper torque with special attention to the following suspension connections:
 - Saddle to the outboard frame bracket fasteners
 - Equalizing beam end connections
 - Inboard frame bracket to the cross member fasteners
 - Auxiliary spring contact plate fasteners to the equalizing beam assembly



3. Verify the lateral alignment of axles are within the vehicle manufacturer's tolerances.
4. Visually inspect suspension components. Check for all of the following and replace components as necessary:
 - Proper suspension function
 - Signs of unusual movement, loose or missing components
 - Signs of abrasive or adverse contact with other components
 - Damaged, bent or cracked parts

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