

TECHNICAL SERVICE BULLETIN

Group:	48-SUSPENSION
Bulletin No:	SB-17-006
Issue Date:	1-26-2017
Reference:	HMM-170123-B2

SPRING SEATS FOR PINION ANGLE ADJUSTMENT

SUBJECT VEHICLES: 08MY-17MY Conventional Trucks

Note: This service bulletin is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

In the event adjustment of the rear axle pinion angle is desired on a subject vehicle, spring seats with different angles are available for air and leaf suspension.

BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface.
- Place the gear shift lever in "Neutral" or "Park".
- Apply the parking brake firmly and confirm parking brake activation.
- Turn off the engine and remove the key from the ignition switch.
- Always wear safety glasses or goggles to protect your eyes.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

PARTS: LEAF SUSPENSION

NOTICE: Leaf suspension vehicles require both the upper and lower spring seats replaced in matching pairs. Original spring seats are 4.0 degrees.

LEAF SUSPENSION UPPER SPRING SEATS

PART NUMBER	PART DESCRIPTION	QUANTITY
48481E0040	Spring Seat Upper – 2.5 Degree	2
48481E0050	Spring Seat Upper – 3.0 Degree	2
48481E0060	Spring Seat Upper – 3.5 Degree	2
48481E0070	Spring Seat Upper – 4.5 Degree	2
48481E0080	Spring Seat Upper – 5.0 Degree	2
48481E0090	Spring Seat Upper – 5.5 Degree	2



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PARTS:

LEAF SUSPENSION LOWER SPRING SEATS

PART NUMBER	PART DESCRIPTION	QUANTITY
S4835E0010	Spring Seat Lower – 2.5 Degree	2
S4835E0020	Spring Seat Lower – 3.0 Degree	2
S4835E0030	Spring Seat Lower – 3.5 Degree	2
S4835E0040	Spring Seat Lower – 4.5 Degree	2
S4835E0050	Spring Seat Lower – 5.0 Degree	2
S4835E0060	Spring Seat Lower – 5.5 Degree	2

PARTS – AIR SUSPENSION

NOTICE: Air suspension vehicles only require replacement of the upper spring seats. The lower spring seats are reused. Original spring seats are 5.0 Degrees.

AIR SUSPENSION UPPER SPRING SEATS

PART NUMBER	PART DESCRIPTION	QUANTITY
56501001	Spring Seat Upper – 2.0 Degree	2
56501002	Spring Seat Upper – 2.5 Degree	2
56501003	Spring Seat Upper – 3.0 Degree	2
56501004	Spring Seat Upper – 3.5 Degree	2
56501005	Spring Seat Upper – 4.0 Degree	2
56501006	Spring Seat Upper – 4.5 Degree	2
56501008	Spring Seat Upper – 5.5 Degree	2
56501009	Spring Seat Upper – 6.0 Degree	2
56501010	Spring Seat Upper – 6.5 Degree	2
56501011	Spring Seat Upper – 7.0 Degree	2

VEHICLE PREPARATION:



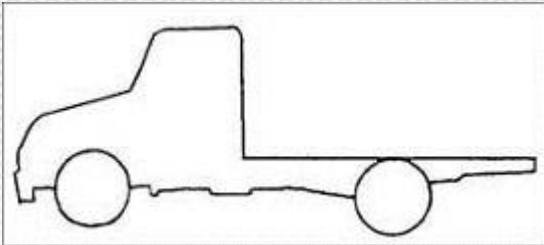
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1. Park the vehicle on a level and solid surface.



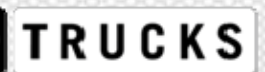
2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



4. Chock all of the wheels.



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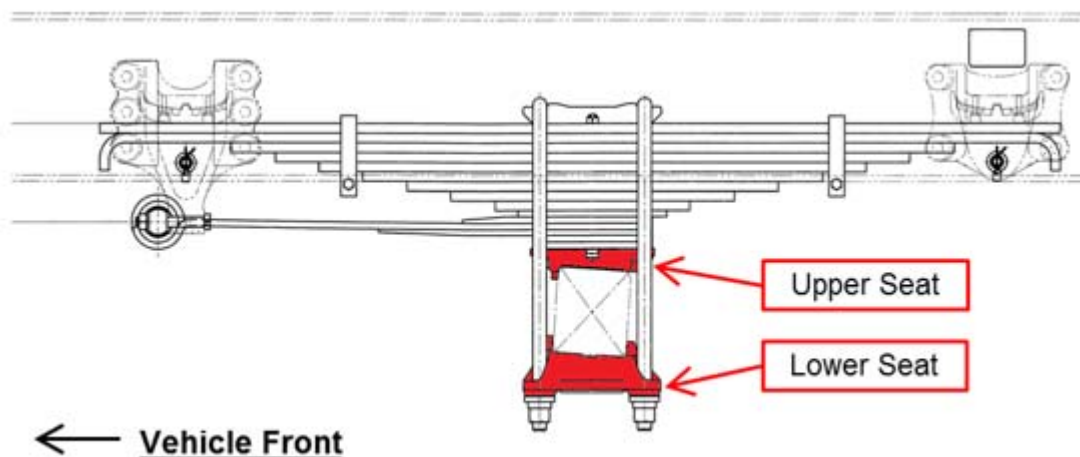
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REPAIR PROCEDURE:

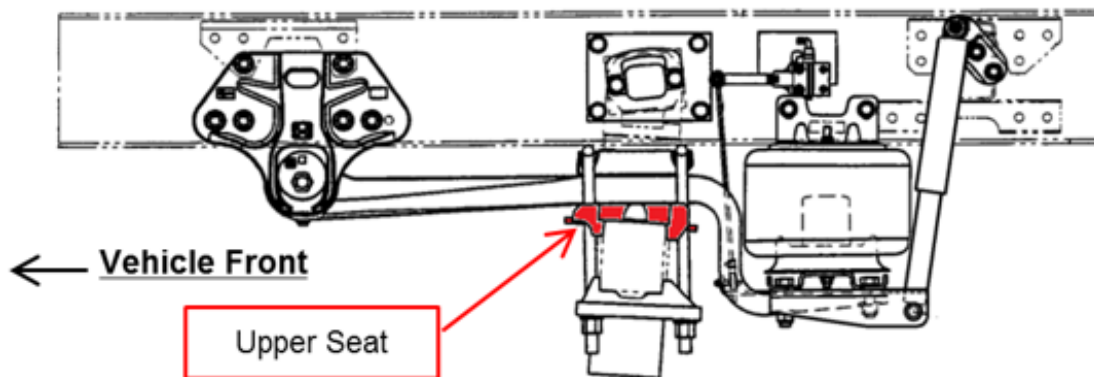
REAR AXLE LEAF SUSPENSION

1. Refer to the suspension section SU02-001 in the Hino chassis workshop manual for removal, inspection and installation procedures for u-bolts, new replacement upper spring seats and new replacement lower spring seats for rear leaf suspension equipped vehicles. Ensure the U-bolts are torqued in sequence to the torque specified in the workshop manual.



REAR AXLE AIR SUSPENSION

1. Refer to the suspension section SU02-001 in the Hino chassis workshop manual for removal, inspection and installation procedures for u-bolt and new replacement upper spring seats for rear air suspension equipped vehicles. Ensure the U-bolts are torqued in sequence to the torque specified in the workshop manual.



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FINAL INSPECTION

1. To complete this TSB review and confirm the following:

- All necessary spring seats were replaced with new components of the same angle
- The U-bolts were properly torqued following the service manual

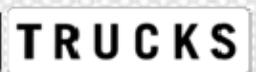
NOTE: This procedure is provided as technical information and is not an authorization for a warranty repair.

CLAIM APPLICATION:

** Reimbursable in accordance within the terms and policies of the Hino Truck limited warranties.*

Spring Seat Replacement:

- a) Labor Charge: 2.8 hours
- b) Warranty Code: 2811004
- c) Trouble Code: 72
- d) Operation Code: 54150AOT
- e) Original Failed Part: 9999999999



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