

Ride Height Adjustment Tool and Gauge

M-728-004

(August 2008)

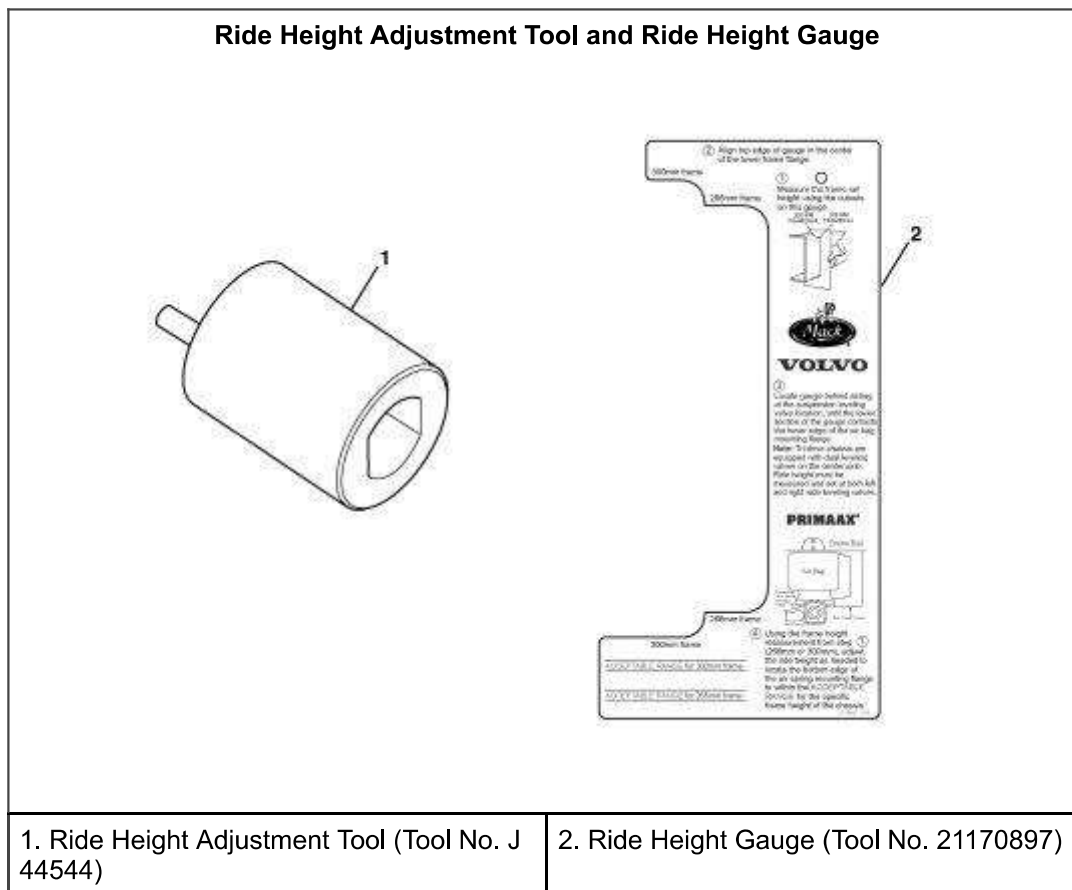
Valid for

All CXU,CHU,GU,TD models built with Hendrickson Primaax rear suspension.

Case description

A ride height adjustment tool (tool No. J 44544) and a ride height gauge (part number 21170897) are available for MACK chassis equipped with the Hendrickson® PRIMAAX® rear air suspension. The ride height adjustment tool can be ordered directly from SPX Service Solutions by calling 1-800-328-6657, and the ride height gauge is available through the MACK Parts System.

Note: The J 44544 ride height adjustment tool is also used for other model suspension, and certain dealers may already have this tool in inventory. Check you tool inventor before ordering. The ride height gauge (tool No. 21170897) is an essential tool. If additional gauges are required, order directly from the MACK Parts System.

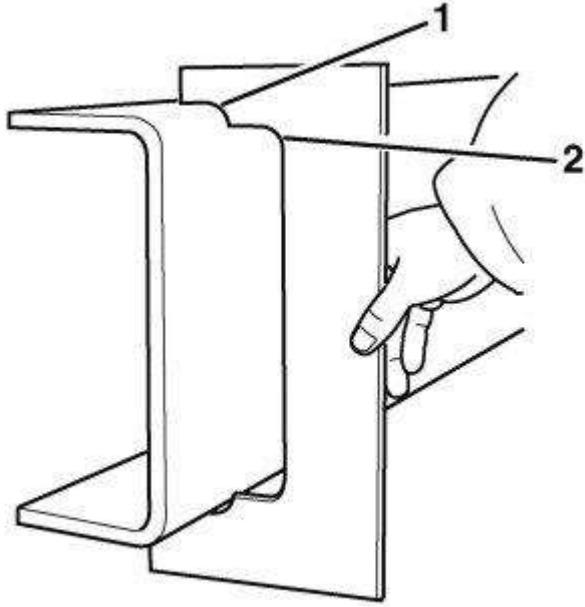


Note: Does not apply to Mack Trucks Australia.

Repair

The gauge is designed to measure ride height on chassis equipped with either 266 mm or 300 mm frame rails. To determine frame rail height, hold the gauge cut-outs against the frame (refer to the following illustration).

Using Ride Height Gauge to Determine Frame Rail Height

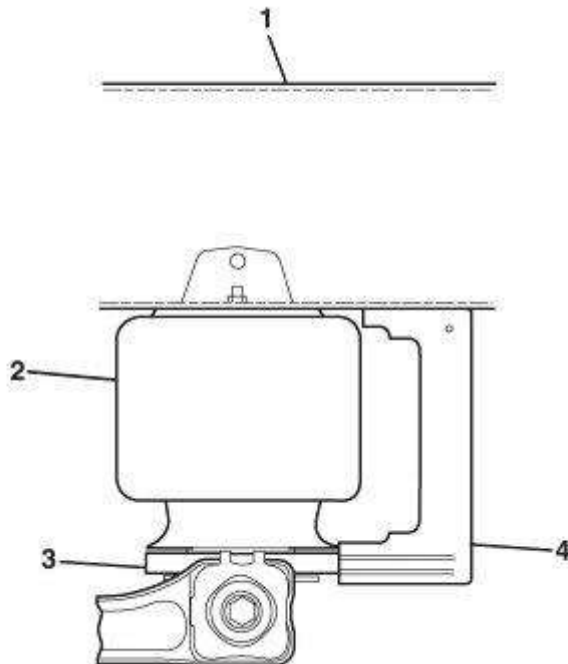


1. 300 MM Frame Rail

2. 266 MM Frame Rail

After determining frame rail height, measure chassis ride height as outline in the instructions on the gauge. Ride height is correct when the "ACCEPTABLE RANGE" marks (for the frame rail height being serviced) align with the bottom edge of the air spring mounting flange.

Measuring Ride Height



1. Frame Rail

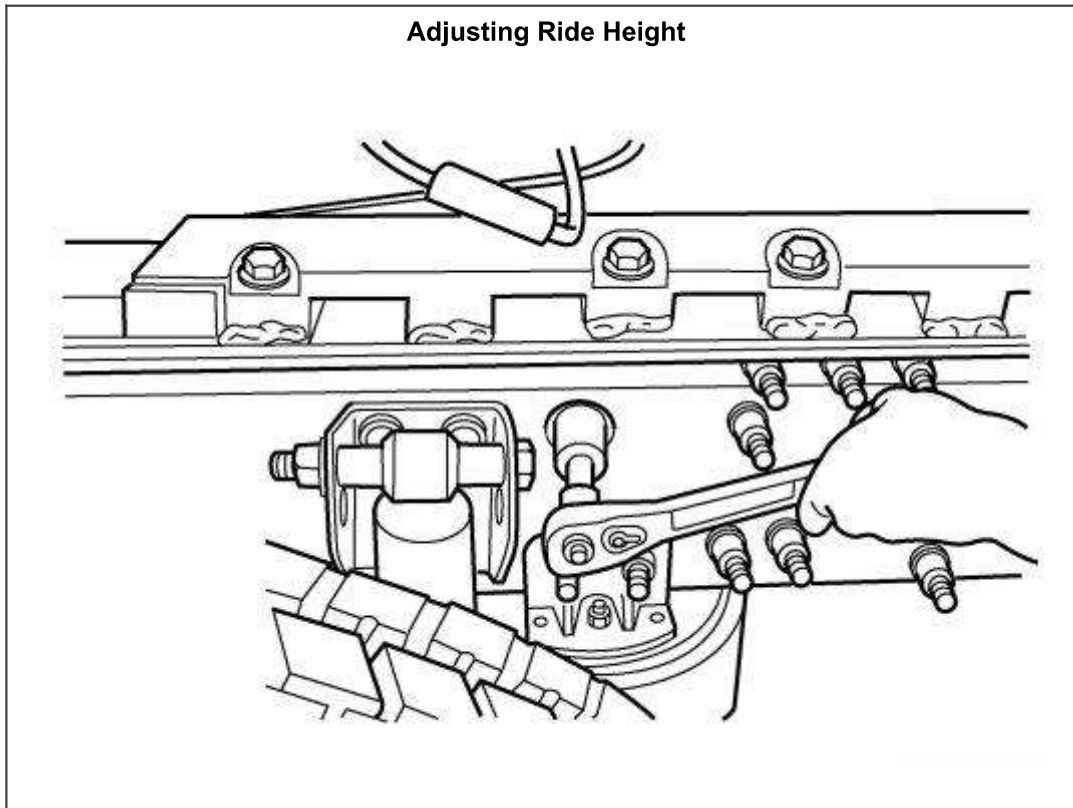
3. Bottom Edge of Air Spring Mounting Flange

2. Airbag

4. Ride Height Gauge

Adjusting Ride Height

The ride height adjustment tool engages the height control valve mounting bracket through the access hole in the side of the left-hand frame rail.



To adjust ride height, loosen the height control valve bracket mounting bolt so that the bracket is free to pivot about the bolt, then insert the adjustment tool through the access hole in the frame rail. Rotate the height control valve and bracket clockwise to raise, or counterclockwise to lower ride height. After proper ride height has been achieved, tighten the height control valve bracket mounting bolt to 50 N•m (37 lb-ft).

For detailed alignment, maintenance and service information, refer to the MACK® PRIMAAX® Rear Air Suspension Service Manual, 14–107.

Note: PRIMAAX® is a registered trademark of Hendrickson U.S.A., LLC.

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