

TSN01458-100: 13mm & 15mm DOUBLE FLEX RATCHETING BOX WRENCH

PURPOSE:

USED TO REMOVE AND REINSTALL THE SOUTH ZONAL BRACKET ON R1(T+S) MODEL YEAR 2025 DURING REAR SUMBFRAME PROCEDURES



LABOR CODE:

465520011 Subframe and Drive Unit, Rear (Remove and Reinstall)

465520010 Subframe, Rear (Remove and Replace)

PRIOR TO USAGE:



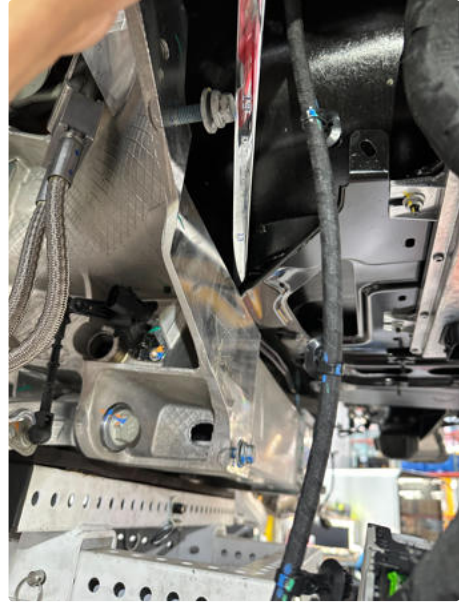
Visual Inspection:

1. Visually inspect for any damage that affects tool functionality
2. Operate the direction change lever and the angle position lock to ensure no binding
3. Replace tool if any damage is present that will affect its functionality or compromise technician safety

⚠ CAUTION: Do not perform procedure if any equipment is missing or damaged. Contact tooling team with any questions or requests for replacement parts. ServiceToolEngineering@rivian.com

TOOL USAGE:

STEP	DIRECTIONS	VISUAL AID
1	<p>The un-bolting of the South Zonal bracket is necessary to remove the rear subframe from MY25+ R1T and R1S.</p> <p>i Images shown with vehicle frame, air suspension tank and composite bed liner/structural floor removed to better show fastener location.</p>	 <p>Fastener locations on the South Zone Bracket (MY 25+ R1S)</p> <p>Fastener locations on the South Zone Bracket (MY 25+ R1T)</p>
2	<p>Remove the air suspension reservoir tank and partially lower the subframe to allow access to the south zonal bracket fasteners.</p> <p>Use TSN01458-100 to remove the topside bracket fasteners (x2 13mm bolts) that attach the South Zonal bracket to the rear subframe.</p>	



Driver side tool access with subframe partially lowered (R1T shown, R1S is similar)



Passenger side tool access with subframe partially lowered (R1T shown, R1S is similar)

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The bracket fasteners are located slightly inboard of the bracket and will require the use of the 13mm drop side of the wrench to fully contact the bolt head.

⚠ CAUTION: Bracket fasteners contain Loctite and may require additional force to remove. Take caution not to damage threads during removal.



Step side of the 13mm ratcheting wrench, Allows to contact the fastener in locations where there is a surrounding lip

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Refer to service manual procedure for reassembly instructions and fastener torque values.