

TOOL USE INSTRUCTION

RIVIAN

TOOL NUMBER TSN01525-300-A

TITLE SOCKET, AIRLINE FITTING, STUBBY 12mm

REV - DATE REV A - 11/08/2024

CONTENTS

[OVERVIEW](#)

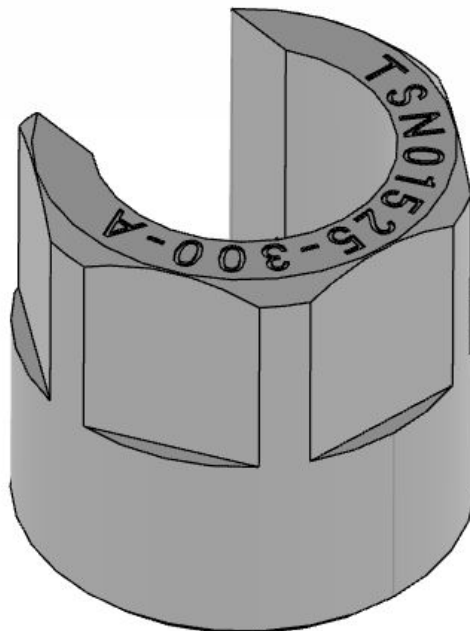
[SAFETY](#)

[TOOL USE INSTRUCTION](#)

[MAINTENANCE + REVISION LOG](#)

TOOL FUNCTION

Socket is used to remove and reinstall voss airline fitting on R1 rear Firestone air springs.



OVERVIEW

SPECIFICATIONS

External (Drive) Size: 16mm

Internal (Socket) Size: 12mm

LABOR CODES

185410010 - Air Spring, Rear, LH (Remove and Replace)

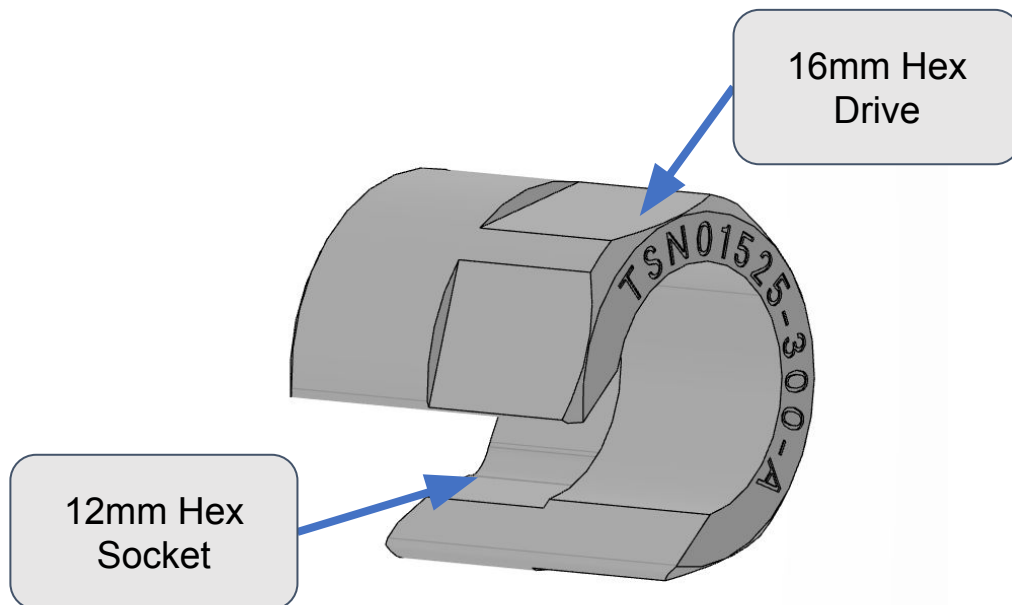
185410518 - Air Springs, Rear, LH/RH (Retrofit)

OTHER TOOLS REQUIRED

TSN00231-100-A - 10 pc 3/8" Drive Metric Open-End Crowfoot Wrench Set (10-19 mm)

TSN00075-100-A - 1/4" Drive Square Drive Adaptor

TSN00047-100-B - 1/4" Drive Flex-Head TechAngle® Micro Torque Wrench (15–300 in-lb)





WARNING


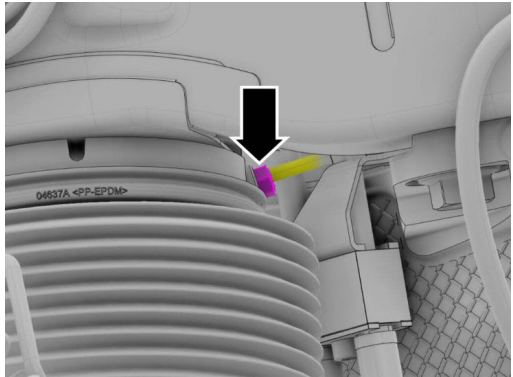
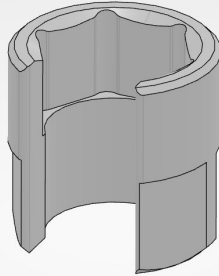
Do not perform procedure if tool is damaged.
Consult the Rivian Service Tool Catalog for replacement components.

Failure to follow guidelines outlined in this document could result in injury and/or property damage.

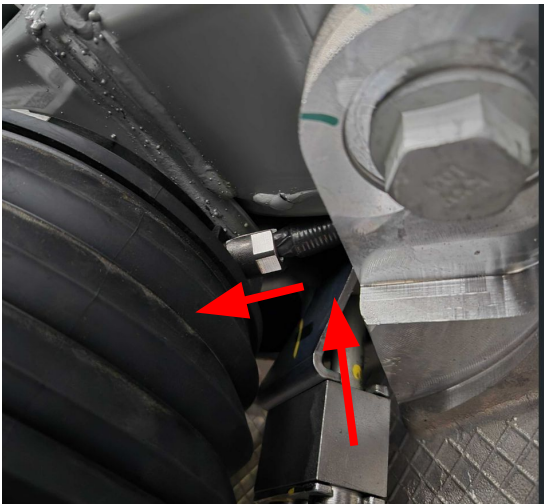

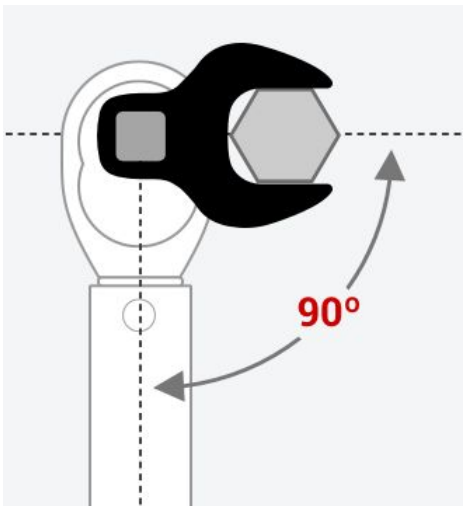
1	Use socket only for fittings specified in these instructions
2	Special torque method required, refer to instructions to ensure fittings are properly tightened



TOOL USE INSTRUCTION

1	Lift vehicle and prep rear wheel and pneumatic system according to service procedure	
2	Locate rear air spring voss fitting, top end toward the rear of the vehicle	
3	Orient TSN01525-300 socket with the 12mm internal hex facing toward the air spring	<div><div>12mm hex (internal)</div><div>16mm hex (external)</div></div>



4	<p>Slide the groove in the socket over the incoming airline, then slide socket onto the voss fitting until fully seated</p>	
5	<p>Use 16mm open ended wrench to slowly loosen the fitting until free from the air spring body</p>	
6	<p>Reinstall voss fitting and use TSN01525-300 socket to tighten fitting to air spring body. Torque fitting to spec using 16mm open ended "crowfoot"</p> <p>Note: Crowfoot must be oriented 90 degrees from handle of TSN00047-100 torque wrench while applying torque.</p>	

MAINTENANCE

TASK	FREQUENCY
Ensure socket is free of moisture and/or chemicals prior to storage	After every use
Store socket in main technician tool box in packaging provided	After every use

SYMBOL GLOSSARY



WARNING

Risk of minor injury

REVISION LOG

REV	DATE	CHANGE DESCRIPTION
A	11/8/2024	Initial release

