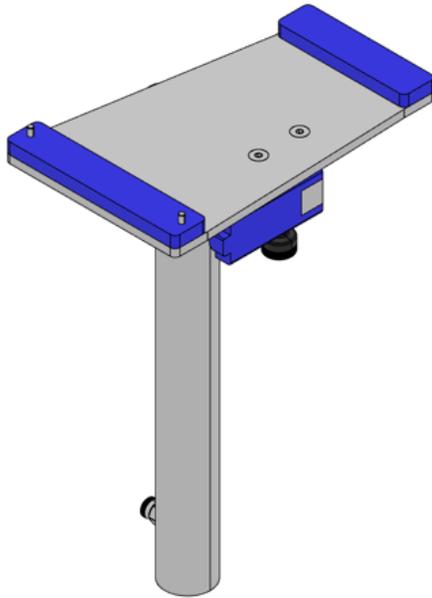


## TSN01431-300-A: HVDB SADDLE - C3/BALTIC

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### PURPOSE:

THIS CRADLE IS USED TO SUPPORT THE C3 9 MOUDLE NCA (Big Horn) AND R1 LFP (BALTIC) HVDB DURING INSTALLATION AND REMOVAL. THE CRADLE IS USED IN CONJUNCTION WITH A HIGH LIFT TRANSMISSION JACK.



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### LABOR CODE:

TBD

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### ASSOCIATED TOOLS:

[TSN01432-100-A | TRANSMISSION JACK - 1/2 TON CAPACITY ASSEMBLY](#)

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### PRIOR TO USAGE:

**i** List Any Visual Inspection and Preparation Steps Here

Some examples to include:

1. Visually inspect for damage
2. Inspect for missing hardware

**⚠ CAUTION:** Tool to be used by trained personnel only. Refer to Service Manual procedures listed above for personnel training requirements.

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](mailto:ServiceToolEngineering@rivian.com)

**ASTM class 0 electrical-protection gloves with leather protectors must be worn when working near any exposed high voltage conductor.**

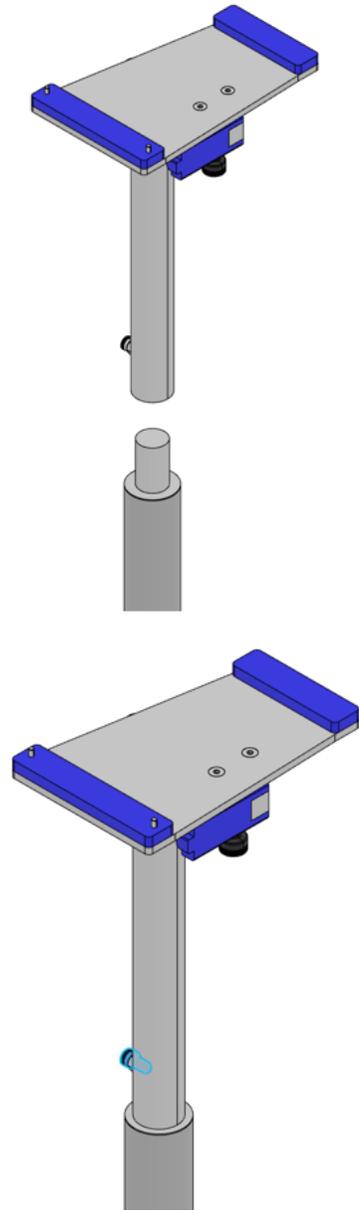
**Before beginning work for the day, test electrical-protection gloves for air leakage and visually inspect them for damage. Repeat the air test and inspection immediately following any incident that can reasonably be suspected of causing damage.**

**Use electrical-insulating tools when working on high voltage components to protect against accidental contact with live circuits.**

**Wear appropriate eye protection during this procedure.**

## TOOL USAGE:

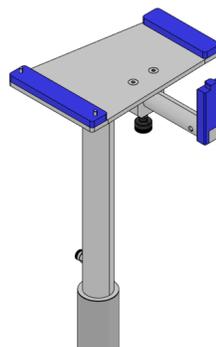
STEP	DIRECTIONS	R1 LFP (BAL TIC) VISUAL AID	C3 NCA (BIG HORN) VISUAL AID
1	Install the tool onto the high-lift transmission jack and tighten the socket head cap screw.		



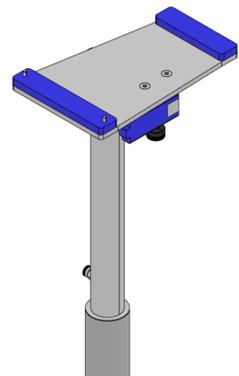
2

For use with the R1 LFP (Baltic) HVBD, use the spring loaded knob to rotate the support arm out and pointed up.

For use with the C3 NCA (Big Horn) HVBD the support arm will be positioned in and rotated down.



R1 LFP (Baltic)

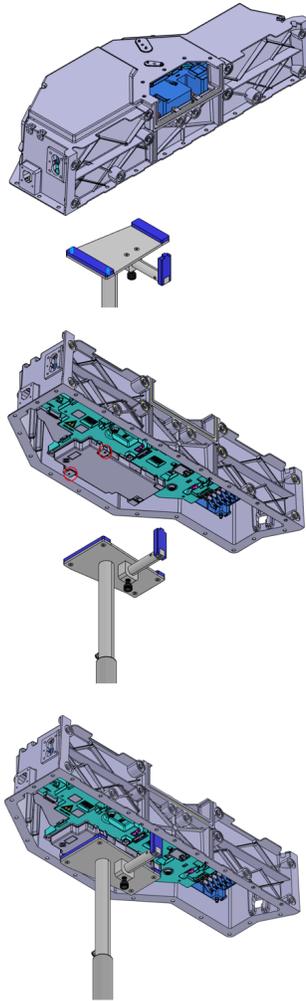


C3 NCA (Big Horn)

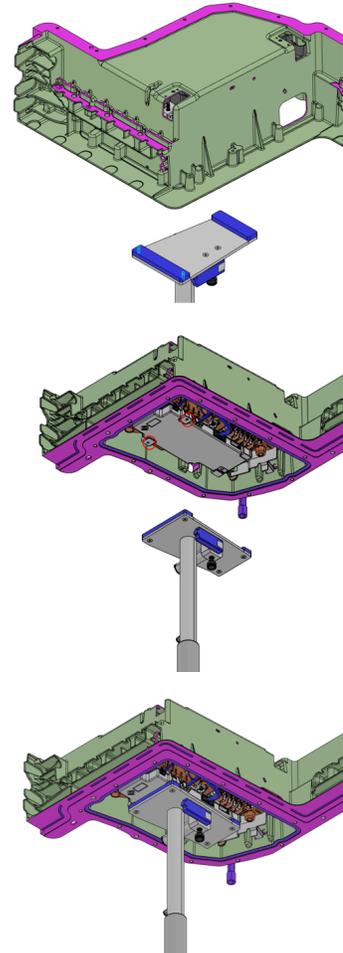
3

Raise the jack up to HVDB and align the two dowels in the tool support pad with the holes (circled in red) in the BMS.

**⚠ CAUTION:** Stop raising the jack once the tool is flush with the BMS to prevent damage to the HVBD plastic housing.



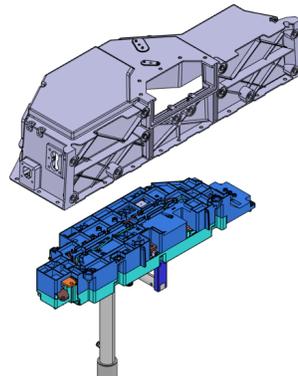
R1 LFP (Baltic)



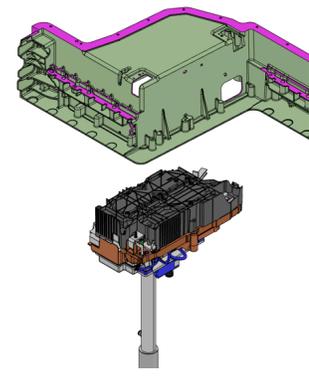
C3 NCA (Big Horn)

4

Once the HVDB is unbolted and low voltage harnesses are disconnected from the battery pack, slowly lower the high-lift transmission jack to remove the HVDB.



R1 LFP (Baltic)



C3 NCA (Big Horn)

5

Installation is reverse of removal.