

	<b>TOOL USE INSTRUCTION</b>	
	<b>Tool Number:</b> NCT07931360	<b>REV:</b> 1.0
	<b>Title:</b> FRONT DRIVE UNIT SUPPORT JIG	<b>DEPT:</b> Service Engineering

<b>Author</b>	Peter Langel	<b>Approver(s)</b>	
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**Revision Log:**

REV	Revision Description (Reason for Change)	Author	Rev. Date
1.0	INITIAL RELEASE	P.Langel	9/20/2021

**Reference**

Labor Code: [465515011](#) Subframe, Front (Remove and Reinstall)

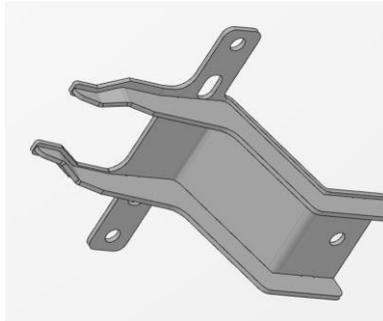
**PURPOSE:** This tool is used to support the Front Drive Unit to remove and replace the front Subframe.

**RELATED TOOLS:**

NCT04663342 - POWERTRAIN LIFT, 2500 LB. CAP.

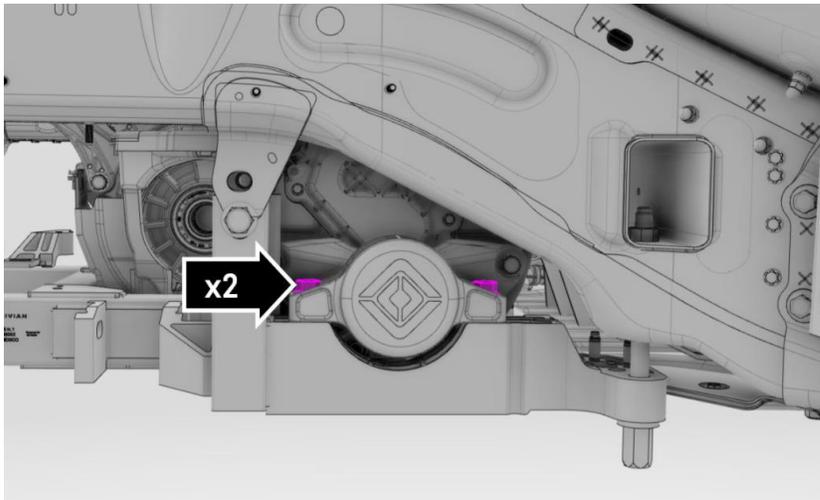
NCT04609326 - SUBFRAME SUPPORT JIG, (R1/RPV)

**GENERAL PRINCIPLES:** The tool attaches to the crossmember behind the drive unit and supports the drive unit on the ribs



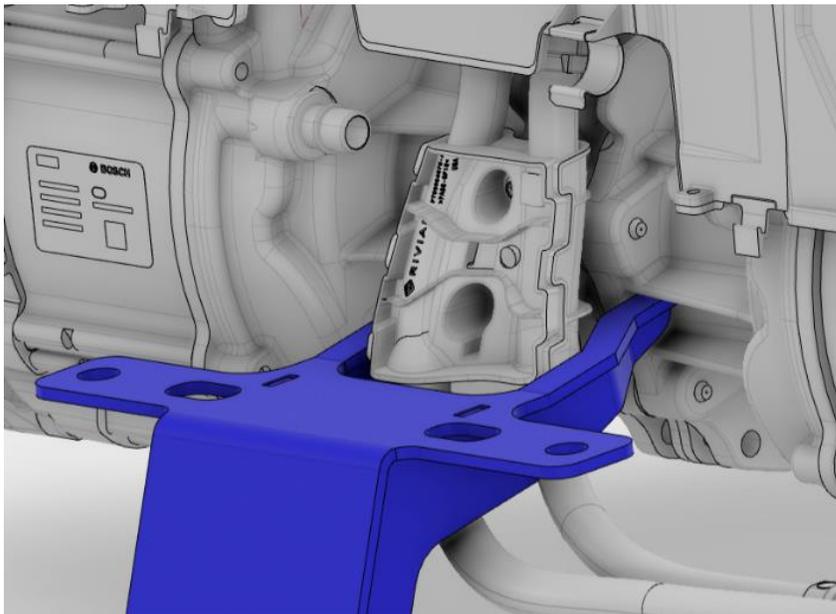
**USING THE TOOL:**

1. Support the subframe using the Powertrain lift
2. Remove all vehicle components outlined in the repair procedure
3. The front motor mount bolts should be loosened but remain in place
4. Lower the subframe 25-30mm to access the rear motor mount to subframe bolts



5. Remove the rear motormount bolts
6. **\*\*IMPORTANT\*\*** Raise the subframe and drive unit back to its original position
7. Install the Drive Unit Jig onto the crossmember. The jig will fit snugly between the acoustic cover and support the Drive Unit under the ribs.

Note: It can only do this properly if the DU is in its original position in the vehicle



8. Install the bolts through the jig into the crossmember
9. Install the nut on to the rear hole of the jig attaching it to the battery stud



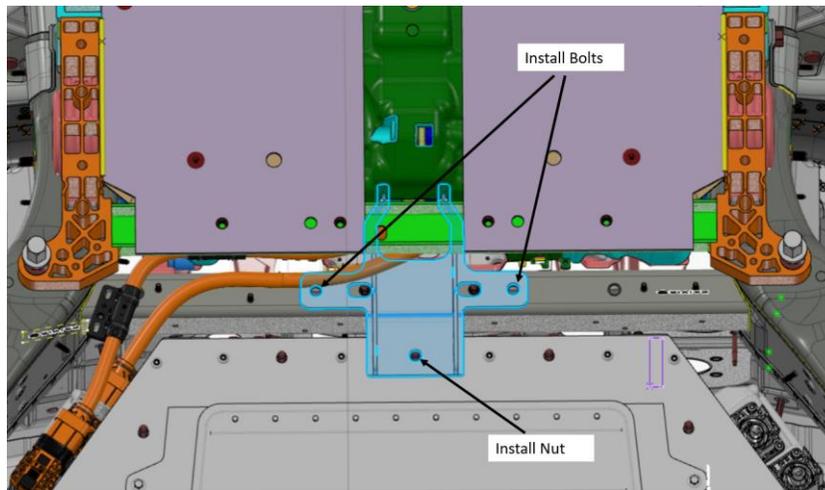
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10. Slowly lower the subframe ensuring that the drive unit is fully supported by the jig.
11. Remove the shoulder bolts.
12. Installation using the tool is the reverse of removal