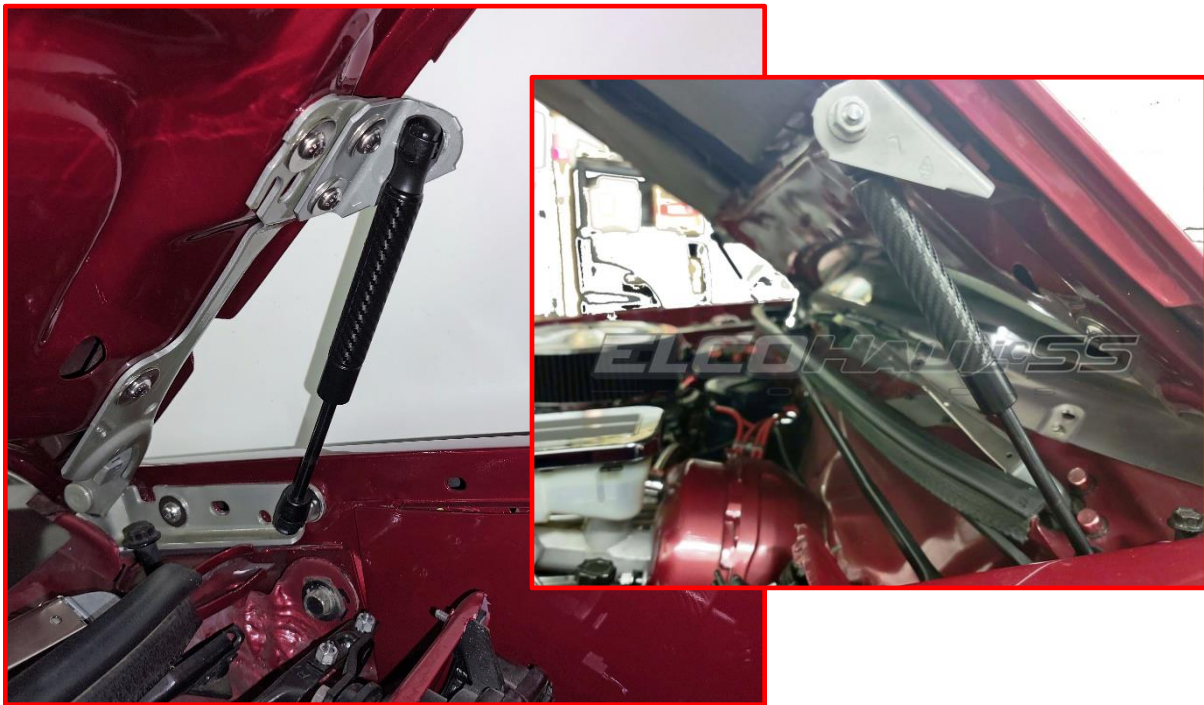


## HOOD SUPPORT LIFT STRUT UPGRADE



## INSTALLATION INSTRUCTIONS

## PREPARATION:

Part of the original Hood Support will be reused and need minor modification to install the Support Struts.

1. Support the Hood with a prop and prepare to remove the original Hood Support Assemblies.
2. Remove the bottom M8 (13mm Head) Shoulder Bolt from the inside of the Fender that is the pivot for the bottom leg of the Hood Support “scissor” assembly.
3. Remove the two M8 (13mm Head) fasteners that attach it to the upper half of the Hood Hinge and remove the assembly.



4. This next step is performed at this point for the purpose of having the option to reassemble the original Hood Support in the event the Lift Struts need replaced or if you want to return it to near stock form. This step is not required for installation of the Lift Strut Upgrade.
5. While the support assembly is still together and easier to handle, drill and tap the upper Pivot Shoulder Rivet from the inboard side (opposite the staking) to accept a  $\frac{1}{4}$ "-20 fastener (or similar). This will permit the shoulder pivot to be bolted back to onto the upper Angle Bracket, and through the Scissor Assembly for reinstallation.



6. Carefully grind off the staked portion of the Pivot Shoulder Rivet/Post on the Upper Angled Support Bracket to separate it from the lower support Scissor Assembly removing the pivot point. (Be careful not to grind into the Angle Bracket as it will be visible).

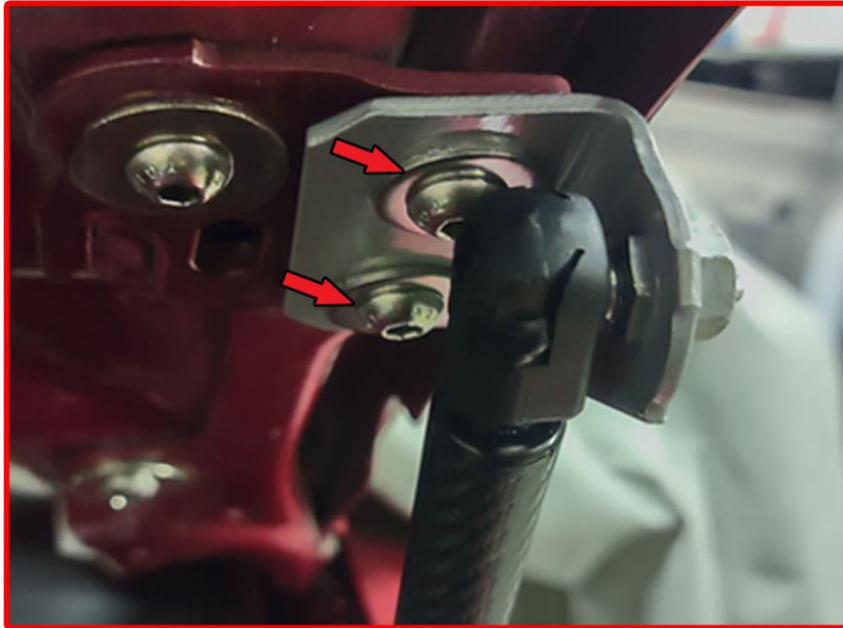


These Angle Brackets will be reused to attach the upper end of the Hood Support Struts, but must first be modified slightly.

Retain the removed Pivot pieces for later use as needed.



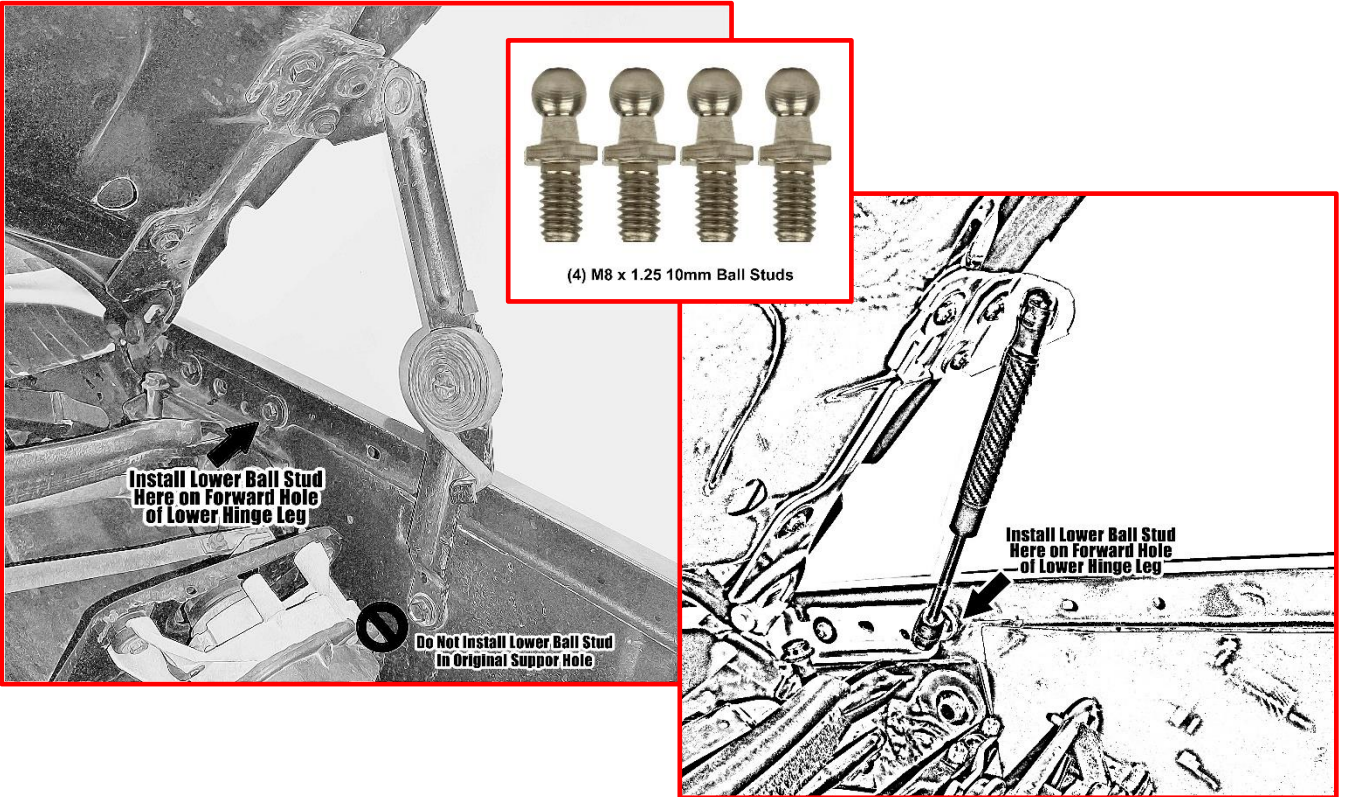
7. Drill out and enlarge the two mounting holes in the Upper Angle Bracket to **1/2"** diameter in order to provide adequate adjustment.



8. Drill out the Pivot hole in the Upper Angle Bracket to **3/8"** in order to mount the Ball Studs.



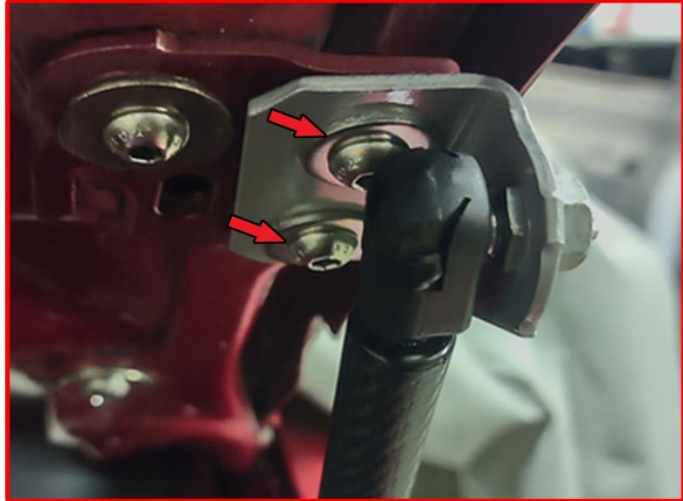
9. Remove the **forward-most fastener from the Lower Hood Hinge Leg**, and replace it with one of the Ball Studs. (This is **NOT** the former original support's lower pivot fastener location).



10. With a small M8 Washer under the hex portion of the Ball Stud, install the Stud with a Flange Nut onto each Upper Pivot Bracket with the Ball on the same side as the bracket's mounting holes inside the angle and the nut outside.



11. Prepare to Install the Upper Pivot Bracket using two of the low-profile Button Head fasteners and Fender Washers, but do not tighten it yet. (Do not install the Strut yet.)



12. **Important:** Mount the Upper Pivot Brackets (without the Struts attached yet) onto the upper leg of the Hood Hinge with them **adjusted at an angle, and as far inward towards the center of the front of the Hood as possible, and snug the fasteners. This is done to avoid contact between the rear edge of the bracket and the Lift Support body, as well as the Ball Stud threaded end contacting the Fender lip when the Hood is lowered.**



13. Attach the new Hood Lift Support Strut onto the Ball Studs. The orientation of the Strut Body (Shock Body up or down) is up to personal preference and does not affect function.

Verify that the Upper Angle Mounting Bracket and the Hood Strut body are parallel and will not intersect during Hood closure.



14. ***Use Caution closing the Hood!***

**Close the Hood SLOWLY and check all clearances between the Struts, Brackets, Mounting Hardware, and the inner lip of the Fender!**



If the adjustment of this bracket isn't inboard far enough and the protruding threads of the Ball Stud come close to the Fender, either install another washer between the hex portion of the Stud and the Bracket on the Ball side, or grind off the threads on the end to just over the nut for clearance and touch up the bare ground steel with paint to prevent corrosion.



**CAUTION: PINCH POINT!**

The Struts have an “over-center” function that will slightly PULL the Hood down once the Strut Piston has passed the middle of travel within the Strut Body. The Struts will exert the same force in the closing direction, as they do in the opening direction as the internal gas swaps ends inside the Struts, which may cause a pinch-point condition when closing the Hood.

IMPORTANT NOTICE: The installation of the Lift Supports in this manner is not considered to be a “Standard Installation”, is considered to be a “Custom Application”, and therefore the longevity of the Lift Struts and related components cannot be guaranteed. Being this is a “Custom Application Installation”, use of this “kit” in this manner, is at your own risk and responsibility.

To View or Download these instructions on your Device,  
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