

R3 Performance Products 1965-1970 Ford Mustang Rear Suspension Installation Instructions

For a demonstration of the installation of our Rear Suspension Kit, watch our Rear Suspension Installation Video at <https://www.youtube.com/watch?v=liHk011AbhU>.

Disassembly of Stock Suspension/Prep

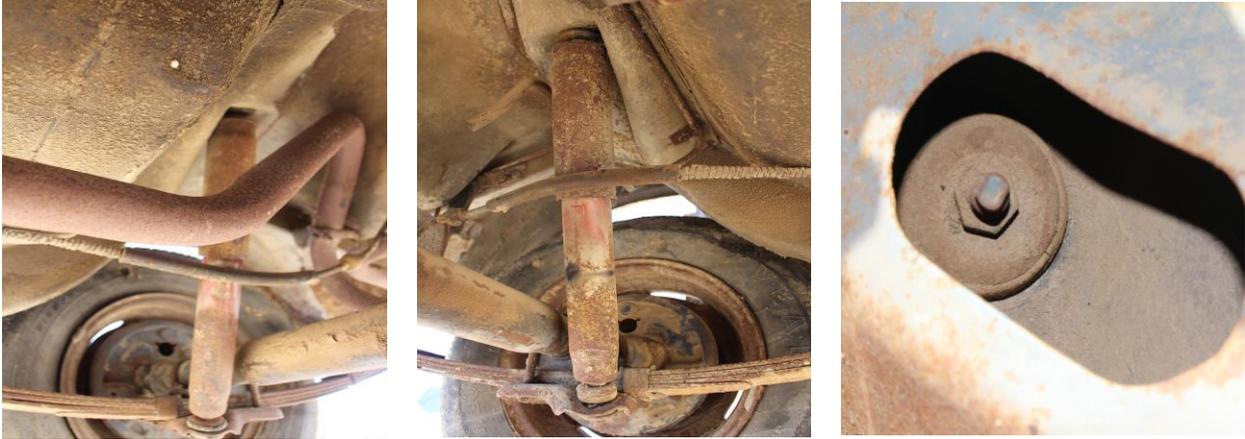
- 1) Secure your car with jack stands, or a lift if available, and remove the tires.



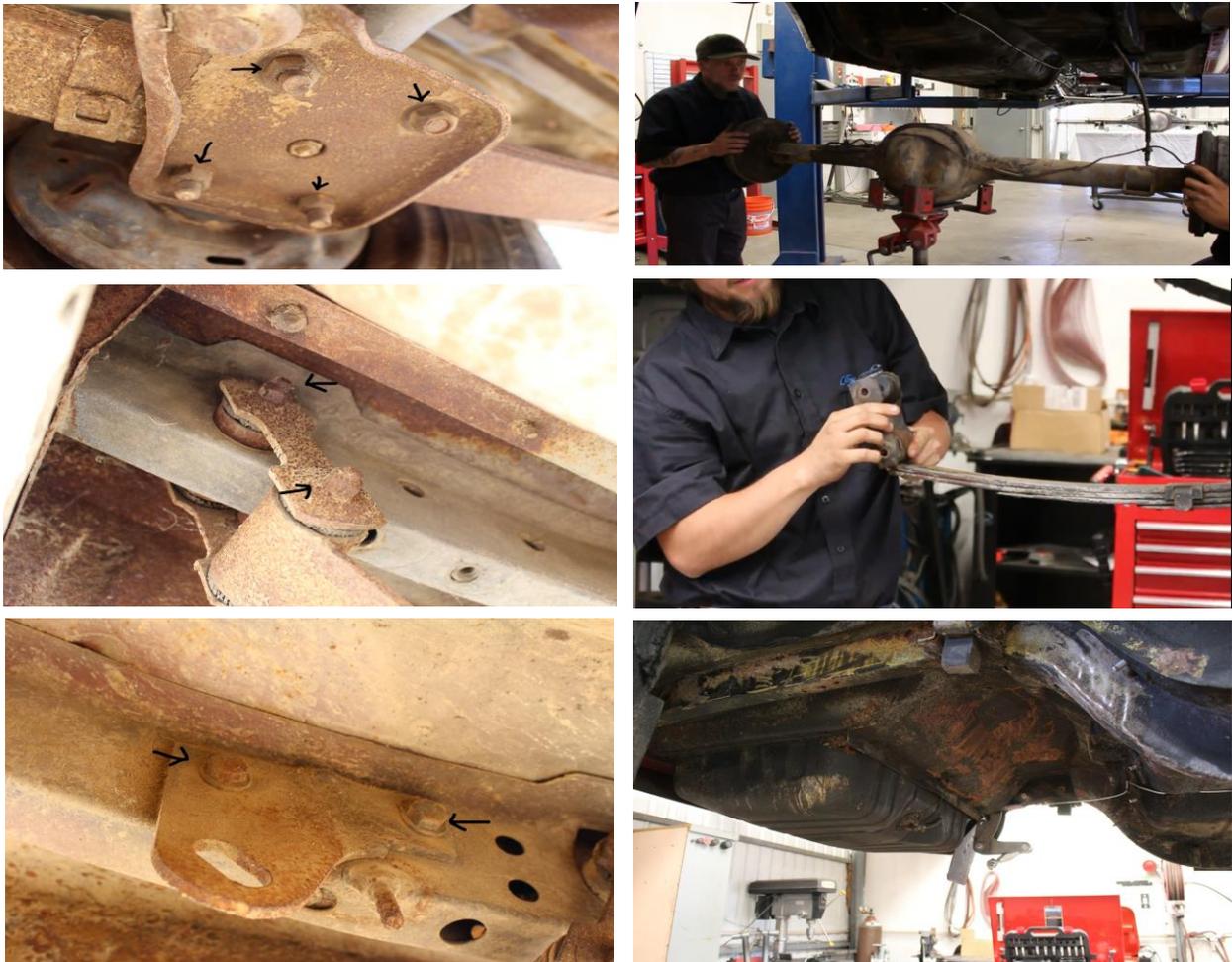
- 2) Remove your e-brake cables from the car side. Grab a small oil catch and remove the axle to body soft brake line. You will then need to remove your brake line mounting tab and relocate it closer to the center of the car in order to clear the upper control arm on the driver side.



- 3) Next remove your shocks. (This is much easier with two people. Have one person holding the top nut on the shock inside behind the back seat, while the other person loosens it from the bottom. Remove both shocks and set aside. – Please use extreme caution when completing this step. Make sure your vehicle is secure at all times.)



- 4) Remove all eight U-bolt nuts and lift the axle out (Note: this requires two people!). Remove the leaf springs, it is easiest to remove the shackle first. Once the leaf springs are removed, remove the two tow hooks on the frame. There will be one on each side close to where the shackle mounts are located. Your new R3 suspension kit will utilize these holes.



Installation

- 1) Position your cantilever frame bracket under the frame rail and slide it up over the frame. Position the back two holes so that they align with the tow hook holes. Put your bolts in through the frame and secure loosely with nuts. Using some type of jack or clamp, secure the front of the cantilever frame bracket flush tightly with the frame. Drill out the front hole with a 1/2" drill bit. Slide the bolt through and tighten all cantilever bracket bolts.



- 2) Bolt the bell-crank into the cantilever frame mount tightly with the short end facing the back of the car towards the top. Install shock to bell-crank first then swing the shock up to the rear mount, ensure adjuster is at the rear of the car facing down. Tighten shock down and install cantilever links (R3J006) into the bell-crank and secure tightly with bolts.



- 3) Bolt lower control arm (R3J006) into existing leaf spring hanger and tighten down. Slide the upper pivot mounts onto the frame rail until it touches. Clamp in place and drill all holes. Bolt tightly. Grab upper control arm (R3J007) and bolt it tightly into the upper pivot mount.



- 4) Position your axle that has R3 custom mounts welded to it under your car. Swing up the lower control arms and bolt to the axle tightly. Jack the axle up until you can get the cantilever links to bolt up. Tighten the bolts. Rotate the pinion angle up by pulling back on the top of the center section while another person installs the upper control arms. Tighten bolts.



- 5) You are now done installing your R3 Performance Products Rear Suspension Kit! We highly recommend taking the car to your local alignment shop to have them fine-tune your alignment.

