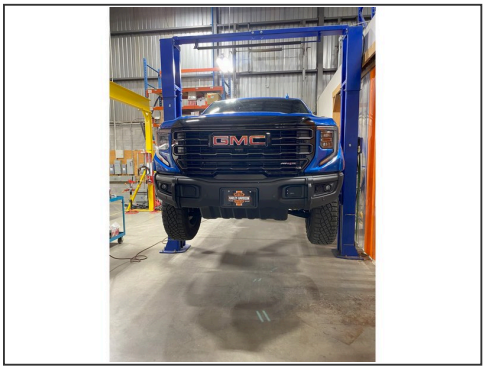
1500 SILVERADO ZR2 / SIERRA AT4X 2022 UP

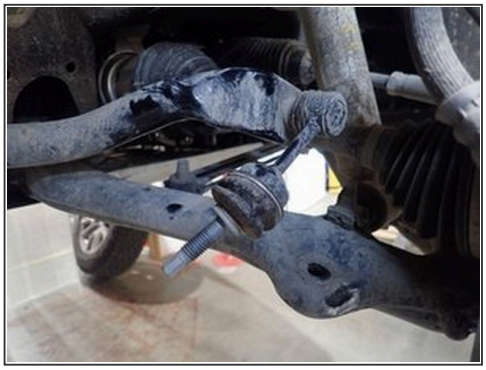
FLS-247020_revA

Written By: Laurent Metivier



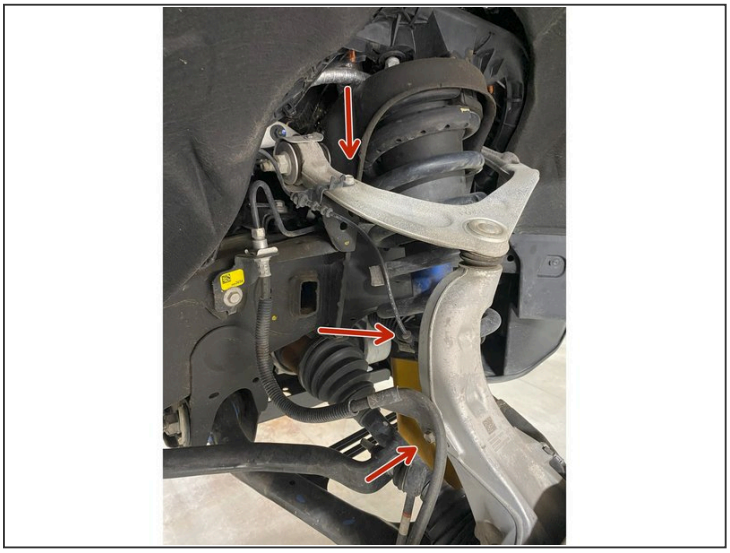
Step 1 — Remove the OEM front shocks





- Lift the vehicle off the ground, then remove front tires.
- Remove sway-bar link on both sides to allow lowers arms to temporary move separately.

Step 2 — Removing OEM front shocks (continued)




- Remove the bolts that hold the brake line and the ABS sensor on each side to make sure you don't damage them during installation.

Step 3 — Removing OEM front shocks (continued)






- Remove plastic caps on upper shocks studs, then unscrew the 3 upper nuts.
- Remove lower shock bolts.
- Remove the nuts from the tie rod

Step 4 — Removing OEM front shocks (continued)






- Remove upper arm ball joint nut and seperate it from steering knuckle.
- Remove OEM shocks

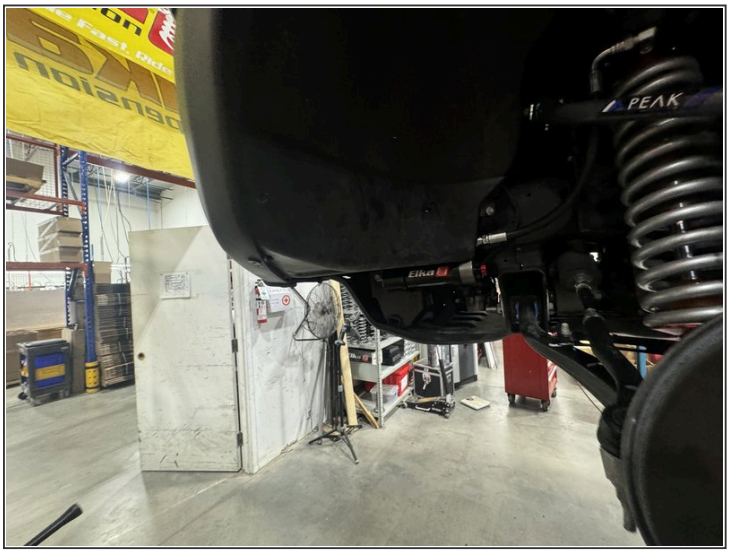
Step 5 — Removing OEM front shocks (continued)





- **Only remove and cut the plastic cover if you have a remote reservoir.**
- Remove the plastic cover as show in the picture.
- Cut the plastic cover as show in the picture. (right side show)

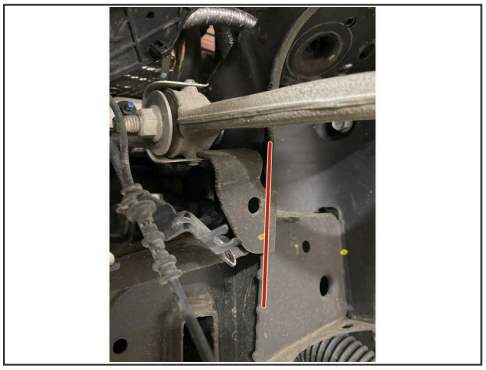
Step 6 — Removing OEM front shocks (continued)

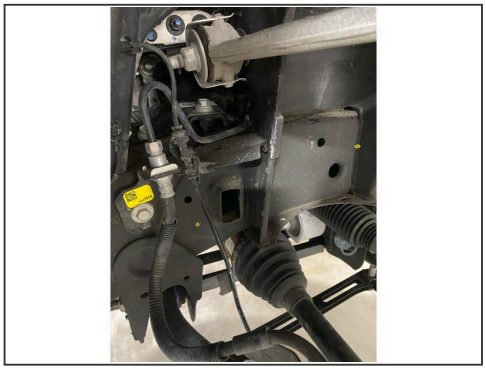




- **Only remove and cut the plastic cover if you have a remote reservoir.**
- Cut the plastic cover following the red line as show in the picture. (left side show) (follow the same line for the right side plastic cover.)

Step 7 — Removing OEM front shocks (continued)





- Cut off the upper control arm angle stop bracket on both sides.
- Paint the cut area to prevent rust.

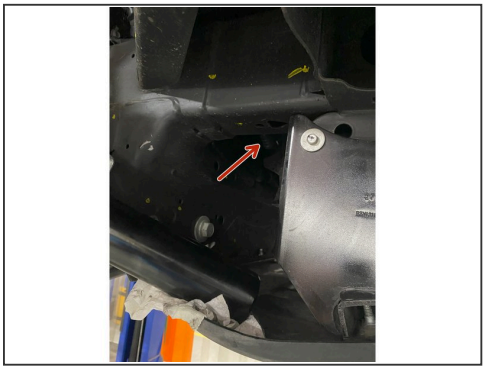
Step 8 — Installing the new Elka front shocks





- To install your new Elka shocks, do the inverse procedure showed on step 4. Shock reservoirs must face to the front of vehicle. You may have to push lower suspension arm to put the shocks in place. (Right side shown). Torque bolt ot factory specs.
- Be sure the lower mount's flats are facing lower arm as shown by blue circle. You can turn the lower pin if needed.
- Start installation with the provided lower bolts and washers. Apply threads locker on bolts, then torque them at 50 ft.lb.
- At the top, install provided washers and nuts, then torque them at 35 ft.lb.

Step 9 — Installing the front shocks (continued)





- **For installation of reservoir brackets,** locate the hole in the frame and install the u-nuts provided with the bracket. (Right side shown)
- Install the u-nuts a the same place on the left side.

Step 10 — Installing the front shocks (continued)




- Install the bracket with the supply bolt in the u-nuts install in the frame.
- Secure the bracket with provided metal screw in one of the two smaller bracket's holes as shown by blue circle. Bracket must be parallel to frame. (optionnal)

Step 11 — Installing the front shocks (continued)

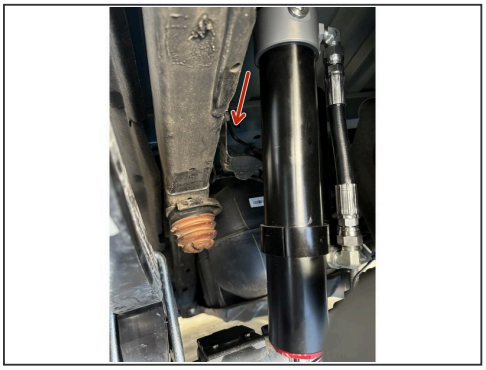






- Sit reservoir into bracket's clamps, then place the reservoir in a way to place reservoir fitting and hoses as close to the frame as possible, without touching it. **BE CAREFUL TO NOT OVERBEND THE HOSE OR MAKE THE HOSE RUBBING ON SUSPENSION COMPONENTS.**
- When reservoir is placed properly, apply threads locker on clamp's bolts and torque them at 10 ft.lb. (Right side shown).
- To complete front installation, put back upper arm, sway-bar links, brake lines and wheels.
- **ALIGNMENT IS CRITICAL**: A professional alignment must be performed before driving this vehicle at highway speeds. Do not attempt to drive your vehicle after this install without having the alignment readjusted to factory specs.

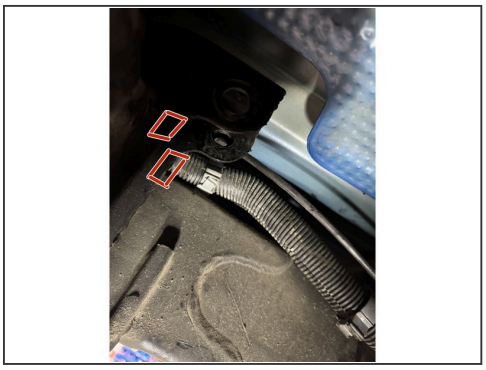
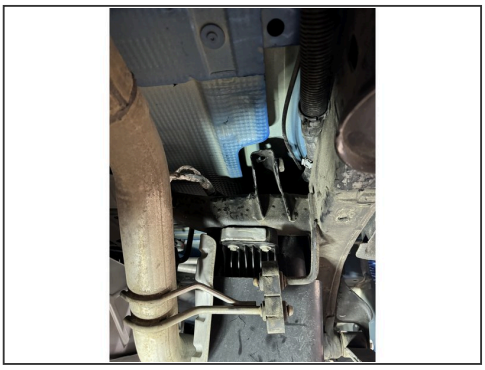
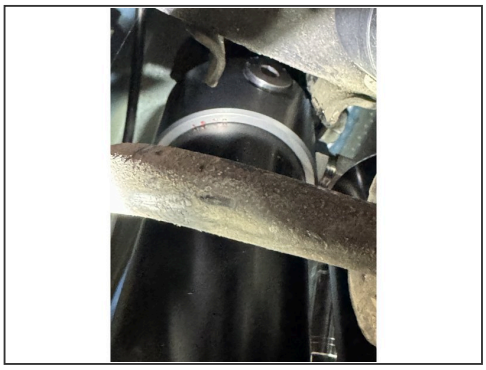
Step 12 — Installing the new Elka rear shocks





- Remove upper and lower bolts from OEM shocks. Keep OEM bolts to install Elka shocks.
- **ADJUSTABLE SHOCKS MODEL:**
- LEFT SIDE; Install rear left shock with head to the top and the reservoir facing the front of vehicle as shown by red arrow.
- RIGHT SIDE: Install rear right shock with head to the top and reservoir facing the rear of vehicle as shown by blue arrow.
- On both side, we need to see the sticker from the side of the vehicule.
- Using an underhoist stand or a jack, lift rear axle to be able to install lower bolt.

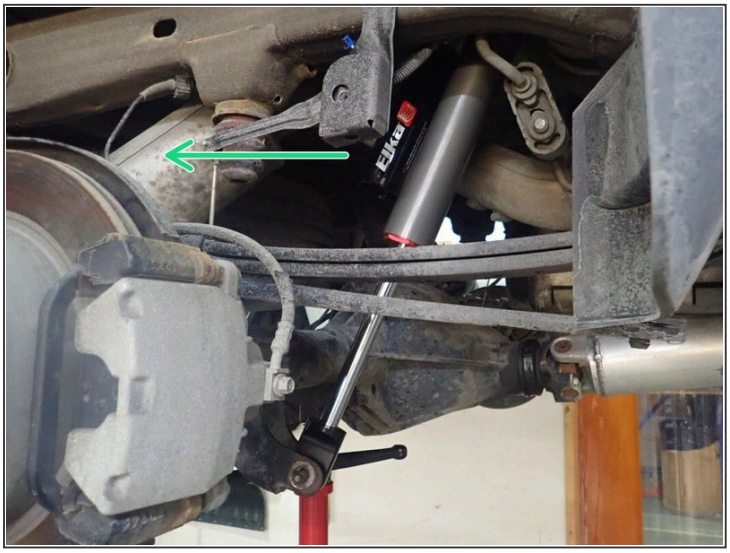
Step 13 — Installing the rear shocks (continued)

- On the rear right side, grind the corner of the upper shock mount bracket to make sure their is no contact with the head of shock. Remove +/- 1/8 of material.
- Make sure in full extended, the head does not touch the bracket, if needed, remove more material.

Step 14 — Installing the rear shocks (continued)





- **NON-ADJUSTABLE SHOCKS MODELS;**
- LEFT SIDE: Install rear left shock with the head to the top and the reservoir facing front of the vehicle as shown by yellow arrow..
- RIGHT SIDE: Install rear right shock with the head to the top and the reservoir facing the rear of vehicle as shown by green arrow.
- Using an underhoist stand or a jack, lift rear axle to be able to install lower bolt.
- Torque all bolts as manufacturer's specs.