



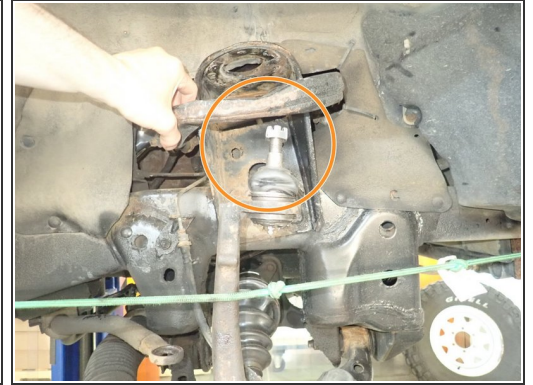
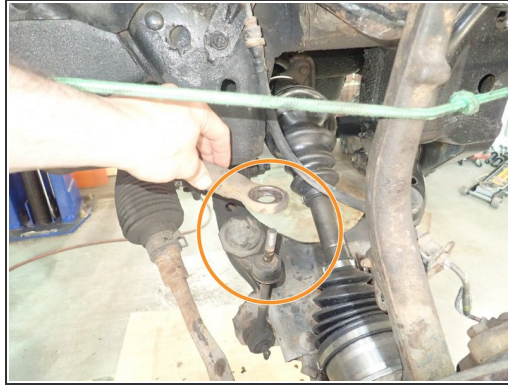
# TOYOTA 4 RUNNER 1996-2002

FLS-97056\_revC

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## Step 1 — Installing the new Elka 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.
- Separate upper control arms from steering knuckles.

## Step 2 — Installing the front shocks (continued)



- Remove lower shock bolts, then remove upper nuts to remove oem shocks.
- **ELKA SHOCKS WITHOUT RESERVOIR:**
- Install new Elka shocks using oem lower bolts and provided upper bolts.
- Torque 3 upper bolts at 35 ft/lb, and lower bolt at 80 ft/lb.



### Step 3 — Installing the front shocks (continued)



- **ELKA SHOCKS WITH RESERVOIRS:**

- Install new Elka shocks using oem lower bolts and provided upper bolts. Hoses must face front of vehicle as shown (right side shown).
- Torque 3 upper bolts at 35 ft/lb, and lower bolt at 80 ft/lb.
- Remove bumper's bracket bolts showed by yellow circle, then fix supplied rectangular spacer first with provided bolts as shown. torque bolts at 40 ft/lb.
- **IMPORTANT:** The threaded hole closest to the rectangular spacer holding bolt showed by red Arrow must face the shocks (right side shown)

### Step 4 — Installing the front shocks (continued)



- Using provided bolts and washers, fix reservoir holding bracket assembly into rectangular spacer as shown.
- We recommend using threads locker and a torque of 20 ft/lb.
- Sit reservoir into bracket's clamps, then place the reservoir in a way to place hose properly. **BE CAREFUL TO NOT OVERBEND THE HOSE**

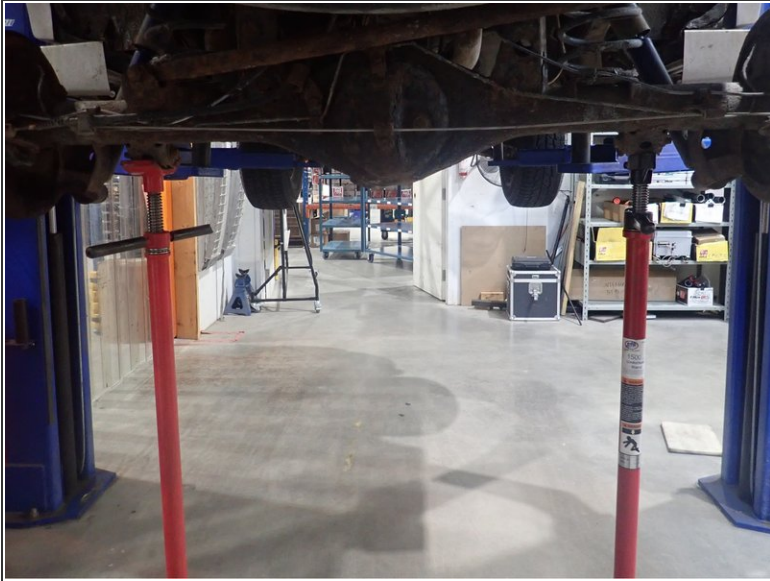
### Step 5 — Installing the front shocks (continued)



- Reservoir's hoses must follow the frame as shown. When réservoirs are properly oriented, use threads locker on clamps bolts and torque them at 10 ft/lb.
- **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.

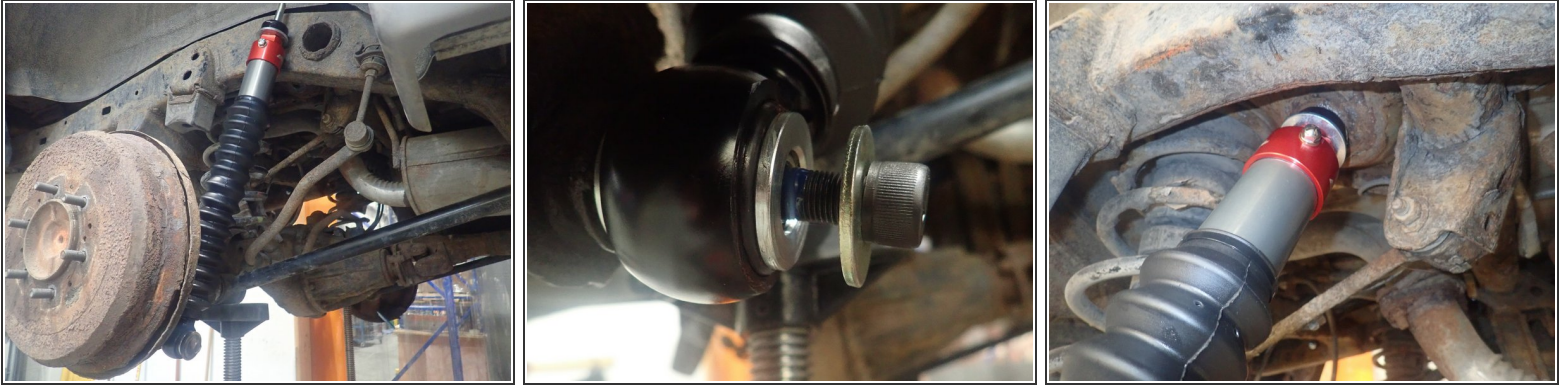


## Step 6 — Installing the new Elka rear shocks



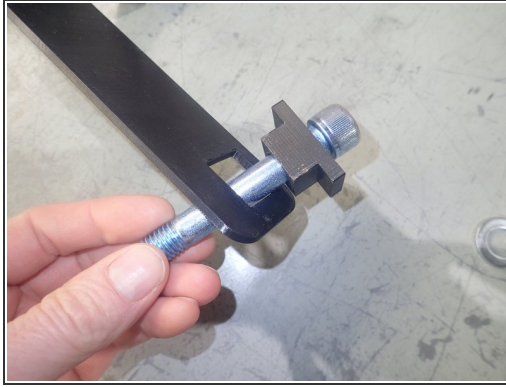
- Using an underhoist stand or a jack, support rear axle before removing oem shocks. Remove oem shocks and all oem hardware.
- Clean lower studs from rust if needed, and apply small amount of grease or anti-seize on it.

## Step 7 — Installing the rear shocks (continued)



- Place Elka shock head up as shown, then slide lower eyelet on oem lower shaft.
- Use supplied longer bolt and washer to fix lower eyelet. Apply thread locker on bolt's threads then torque it at 60 Ft-Lb.
- On the shock upper mount, remove nut, first washer and first isolator. Apply supplied white grease on top of upper isolators.
- Holding the head or the body firmly, compress shock and align upper stud in frame's hole.
- Add second isolator and washer on upper stud, then torque nut at 30 Ft-Lb.

## Step 8 — Installing the rear shocks (continued)



- **ELKA SHOCKS WITH RESERVOIR:**

- Install shocks so as to direct the hose fitting toward front of vehicle, and hose outside of frame. ( Right side shown).
- Use proper bracket assembly (right side shown). Pass bolt into first aluminium square spacer, then pass it through bracket square hole.
- Install reservoir bracket using the square holes showed by red arrow.



## Step 9 — Installing the rear shocks (continued)



- Use second aluminium square spacer inside of frame, then install supplied washer and nut. Apply threads locker, then torque nut at 40 Ft-Lb.
- Sit reservoir into bracket's clamps, then place the reservoir in a way to place hose properly. The shock can be turned to align hose as shown. (right side shown).
- When reservoir is placed properly, apply threads locker on clamp's bolts and torque them at 10 Ft-Lb.
- Use hose clamp and self-tapping screw to fix hose as shown.
- The hose must be closer as frame possible, without touching it.



## Step 10 — Installing the rear shocks (continued)



- **FINAL INSTALLATION PICTURES:**
- **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.