



18375 Bandilier Circle, Fountain Valley, CA, 92708 Tel: 714 965-7828 Fax: 714 965-7829

**Radflo Suspension Technology Rear Suspension  
Install Instructions  
2.0" - 2.5" Rear Suspension Kit  
2010+ Toyota 4Runner / FJ Cruiser (KDSS Models)**

**Note:**

**Radflo Suspension Technology recommends that all products are installed by trained professionals.**

**List of contents:**

- 2 Rear Coils
- 2 Rear shock absorbers (with top bushings, washers & lock nuts)
- 4 Lower shock bolt spacers (tied to coilover shock)

**Tools required:**

- 10, 12,13,14,17,19 mm wrenches and socket set
- Torque wrench
- Pry bar & breaker bar
- Metric allen wrenches
- Professional lift or floor jack and 2 large jack stands

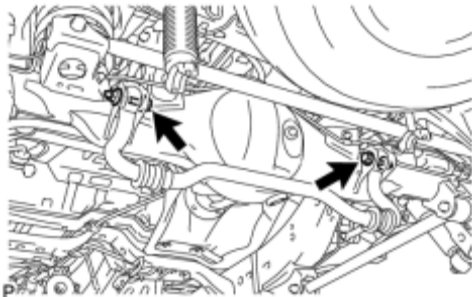


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## Instructions

1. Once vehicle rear is in the air (via professional lift or floor jack & jack stands on a flat surface) remove the 2 rear wheels. **Tip:-** With KDSS it is useful to have both axles fully extended on both sides during the install. This prevents the KDSS from pushing the swaybar down on the axle in the air, with the other axle on the ground.

2. Hold the weight of the rear axle on the floor jack with the axle approximately in mid travel, with most of the truck weight on the jack stands. Remove the swaybar bolts from the rear axle on each side.



3. Undo and remove the lower shock absorber bolts.



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4. Undo the top shock absorber nuts, but do not remove. Once loosened, pull the lower shock mount off the axle and undo the top nuts. Then remove the shock absorber from the vehicle. **Tip:-** A ratcheting wrench will make it much easier to loosen the top nuts. **Tip2:-** Bend the body (sheet metal) above the shock mount slightly to create more room to gain access to the top mount. **Tip3:-** On older vehicles the lower shock absorber mount can be sticky and use a large screwdriver or pry bar to leverage the shock body from the axle.

5. Droop the rear axle and remove the rear coilsprings. Be careful not to overextend the brake and ABS lines. Push the springs up and remove from lower bucket and then pull the springs towards the rear and outer axle to remove from vehicle. **Tip:-** On some vehicles the rear axle might have to be pushed down to allow more room for removal of springs.





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6. Using the reverse of step 6 install the new rear coilsprings. Make sure the plastic inner bumpstop is fitted to the new coilsprings. Also make sure the top of the coilsprings are located in the center of the top coil bucket in the frame. Lastly make sure the coil is rotated on the axle so the end of the coil is against the stop on the lower bucket on the frame.



7. Install the new rear shock absorbers by first inserting the top bolt. Make sure a bushing and washer is on both sides of the frame mount. Do not tighten the top mount at this time.





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8. Adjust the height of the rear axle so the lower shock absorber mount hole is aligned with the axle mount point. Install a lower shock absorber spacer on each side of the shock absorber mount on the axle mount point. The spacers are tapered at the one end, the tapered end should face the shock absorber lower mount. Torque the lower shock bolt to **72ft/lb**. **Tip:-** The metal spacers and shock mount can be hard to fit, so use some sandpaper to clean the axle mount point as necessary. This is especially true for older vehicles with corrosion and dirt on the axle mount. **Tip2:-** Use one of the spacers to check the clearance on the axle mount point, do not use heavy force to fit the spacers or shocks absorber. **Tip3:-** Align the angle of the shocks absorber lower eye mount to the angle of the axle mount point for easier fitment.



9. Tighten the top shock absorber mount nuts. . Please note the following when installing your Radflo shocks product with a pin mount on the end cap (generally the top of the shock):

**Do not under any circumstances** use an air gun or air socket wrench to tighten the nut on the pin mount. This may lead to the pin lock nut and pin coming loose. Please use a 8mm wrench to retain the flat on the top of the pin and a 19mm wrench or socket to tighten the nylok nut. The pin lock nut (located at the bottom of the pin) is not to be used to assist in tightening the nut on the pin mount as it may come loose and compromise the pressure in the shock. Torque the nylok nut until you see the bushings begin to compress. Do not over tighten as this can damage the bushings.

10. Using the reverse of step 2 insert the rear swaybar bolts into the rear axle and torque to **81 ft/lb**.

11. Install the wheels and torque the lug nuts to **85 ft/lb**.



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**Please retain all stock components if you ever have the need to remove your Radflo suspension products.**

**For technical support please contact Radflo Suspension Technology directly at (714) 965-7828 Monday - Friday 8:00 am - 5:00 pm Pacific time. Thank you for your purchase of Radflo Suspension Technology products.**