

## TJ/XJ/ZJ Installation Instructions

All installations should be performed by qualified technicians, failure to follow instructions and use proper safety systems may result in serious injury, death or property damage. Warranty will be void if instructions are not followed. ALWAYS SUPPORT VEHICLE ON SAFETY STANDS, DO NOT GO UNDER A VEHICLE SUPPORTED BY A JACK.

Torque Specs (ft/lbs): Lower shock bolts, front – 17, Sway bar endlinks – 45, Track bar bolt – 40, Bump stop cup – 18

### FRONT INSTALLATION

1. Remove track bar bolt on pass side on axle, retain hardware for later use.



2. Raise front of vehicle, supporting frame via jack stands.
3. Remove front wheels and support front axle with floor jack.
4. Disconnect lower shock mounts.
5. Disconnect sway bar endlinks, use caution not to break them. May require hammer strike to sway bar to remove endlinks on newer model Wranglers/Grand Cherokees.



6. Remove spring clamps if equipped
7. Lower the jack supporting the axle, careful not to over extend brake lines/ABS lines.
8. Remove OE coil springs and bump stops on Wranglers/Grand Cherokees. Cherokees utilize a 1 piece bump stop and cup that is removed by turning using a pair of channel lock pliers. Other models the shaft and the bump stop are small enough to simply slide the spacer over.



9. Remove the bump stop cup
10. Install front lift spacers, a rubber mallet may ease install. Remove the factory insulator when installing the Freedom Offroad spacer.



11. Reinstall bump stop cups and bump stops.



12. Reinstall OE coil springs in the same location, ensuring lower saddles are seated properly.
13. Raise the axle and reconnect the sway bar end links and lower shock mounts.
14. Install wheels and lower vehicle.
15. Reconnect track bar. This will require 2 people. Have a helper turn the steering wheel slowly while you align the axle holes with the track bar bolts.
16. We highly recommend an alignment after any suspension modification.

## TJ REAR INSTRUCTIONS

Torque Specs (ft/lbs): Lower shock bolts, rear – 32, Sway bar endlinks – 45, Bump stop cup – 18

1. Raise rear of vehicle, supporting frame with jack stands.
2. Remove front wheels and support rear axle with floor jack.
3. Disconnect sway bar end links and lower shock mounts.



4. Lower rear axle and remove coil springs taking care not to overextend brake lines.
5. Remove bump stops from cups.



6. Install bump stop cup into lift spacer, ensuring the cup is flush in the spacer



7. Reinstall bump stop cup and spacer. Install bump stop into cup.



8. Reinstall coil springs, ensuring springs seat properly.
9. Raise rear axle and connect sway bar endlinks and lower shock mounts.
10. Reinstall wheels.
11. We highly recommend an alignment after any suspension modification.



## ZJ REAR INSTRUCTIONS

1. Raise rear of vehicle, supporting frame with jack stands.
2. Remove rear wheels and support rear axle with floor jack.
3. Disconnect sway bar end links and lower shock mounts.
4. Lower rear axle and remove coil springs taking care not to over extend the brake lines.
5. Remove and discard OE rubber isolator. NOTE: Some chassis CAN use a spring shaft extender over the smaller OE shaft protruding from the mount in order to make the spacer sit more secure. This is NOT needed, but is available through other manufactures if desired. Again, this is NOT needed for installation of the spacers. Once the spring and shock is installed, the Freedom Offroad spacer will not move.



6. Reinstall the coil springs ensuring they seat properly.



7. Raise the rear axle and connect the sway bar endlinks and lower shock mounts.
8. Install wheels.
9. We highly recommend an alignment after any suspension modification.