



## #T1200 Installation Instructions 2016-2025 Toyota Hilux 4wd 1.5" Front Lift Kit / 1" Rear Lift

### Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

#### » PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

#### » TECHNICAL SUPPORT

**Live Chat** provides instant communication with Zone tech support. Anyone can access live chat through a link on [www.zoneoffroad.com](http://www.zoneoffroad.com).

[www.zoneoffroad.com](http://www.zoneoffroad.com) may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to [tech@zoneoffroad.com](mailto:tech@zoneoffroad.com) detailing your issue for a quick response.

**888.998.ZONE** Call to speak directly with Zone tech support.

#### Difficulty Level

easy 1 **2** 3 4 5 difficult

Estimated Installation: 3-4 hours

#### Special Tools Required

Strut Compressor

#### Tire/Wheel Fitment

265/70R17 Tire on OE Wheels\*

\*Trimming may be required

#### » PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

rev052925

## Kit Contents

Qty	Part
4	Front Strut Top Spacers
2	Front Strut Preload Spacers
1	BP1081 Bolt Pack - Strut Spacer Hardware
8	Spacer Washers - Carrier Bearing
1	BP1084 Bolt Pack - Carrier Bearing Drop Hardware
2	3/8" x 4-1/2" Center Pin
1	BP1007 Bolt Pack - U-Bolt Hardware
4	9/16" x 2-1/2" x 10" Square U-Bolts
2	1" Bolt-On Lift Block

## INSTALLATION INSTRUCTIONS

### » **FRONT INSTALLATION**

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle and support with jack stands under the frame rails, behind the suspension.
3. Remove the front wheels.
4. Locate the lower alignment cam bolts. **Figure 1** Loosen the bolts (2 per arm - 4 total). This will allow the lower control arm to swing down and out of the way when the strut is disconnected.



Figure 1

5. Remove the 2 lower ball joint mount bolts from the steering knuckle. **Figure 2** Save bolts.

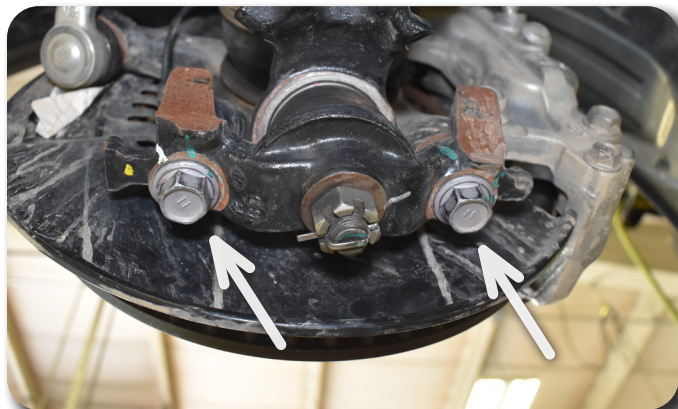


Figure 2

6. Remove the lower strut mount bolt at the lower control arm. **Figure 3** Swing the lower control arm down and out of the way. Save hardware.



Figure 3

7. Locate the 3 upper strut mount nuts. **Figure 4** Remove the nuts and remove the strut from the vehicle. Do not remove the center strut rod nut. It is under extreme pressure.

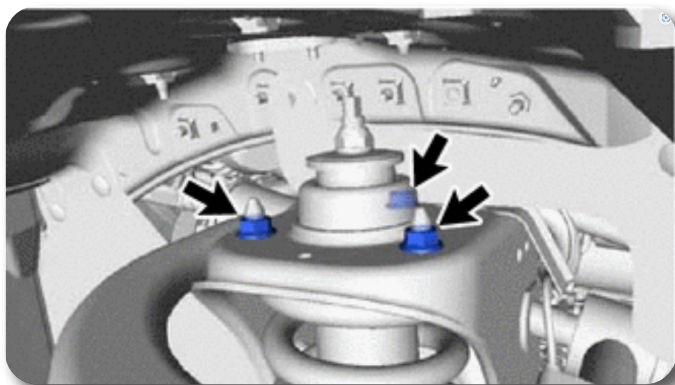


Figure 4

8. Place alignment marks on the upper strut mount, isolator, spring, strut body and lower coil seat for reference when the strut is assembled. **Figure 5A, 5B, 5C.**

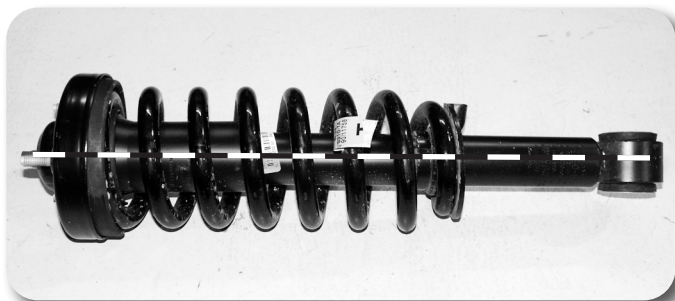


Figure 5A

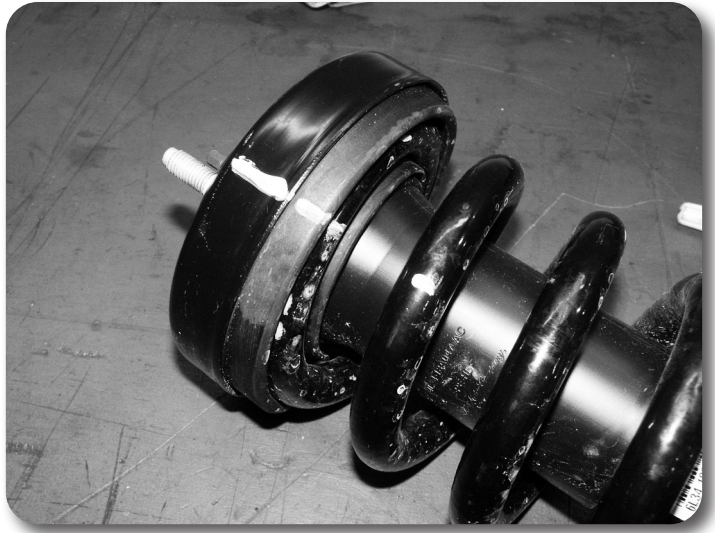


Figure 5B



Figure 5C

**! Caution** *Coil Spring is under extreme pressure. Improper removal/installation of coil spring could result in serious injury or death. Use only a high-quality spring compressor and carefully read and follow the manufacturer's instructions.*

9. Using an appropriate strut compressor, compress the coil spring and remove the upper strut nut **Figure 6**. Remove the strut and upper strut mount/isolator from the coil spring.





Figure 6

10. Remove the 3 studs in each of the strut top mounts. Figure 7A, 7B

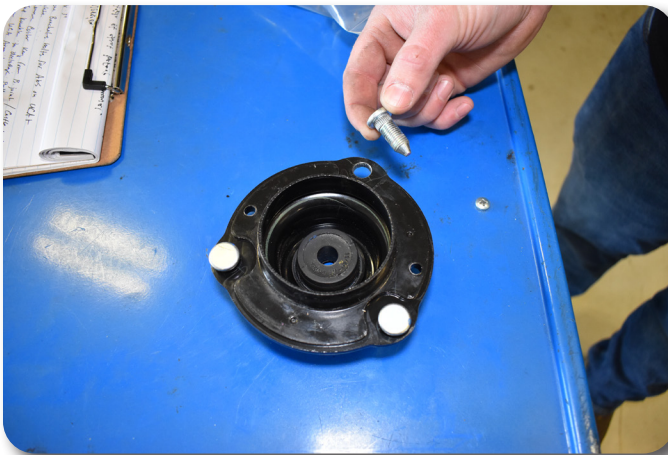


Figure 7A



Figure 7B

11. Install the 10mm bolts through the holes in the strut upper mount. Figure 8

### Step 10 Note:

A vise and hammer can be used to knock out the studs in the top mount..

### Step 11 Note:

The 10mm hardware is in bolt pack BP1081.



Figure 8

12. Install the 3/8" preload spacer onto the strut top mount, lining up the bolts with the slotted holes in the preload spacer. **Figure 9**



Figure 9

13. Install the coil spring isolator on top of the preload spacer. **Figure 10**



Figure 10

14. Reassemble the strut. Make sure to line up all of the alignment marks. Fasten the strut rod with the original nut. Torque the strut nut to 13 ft-lbs. **Figure 11A, 11B**

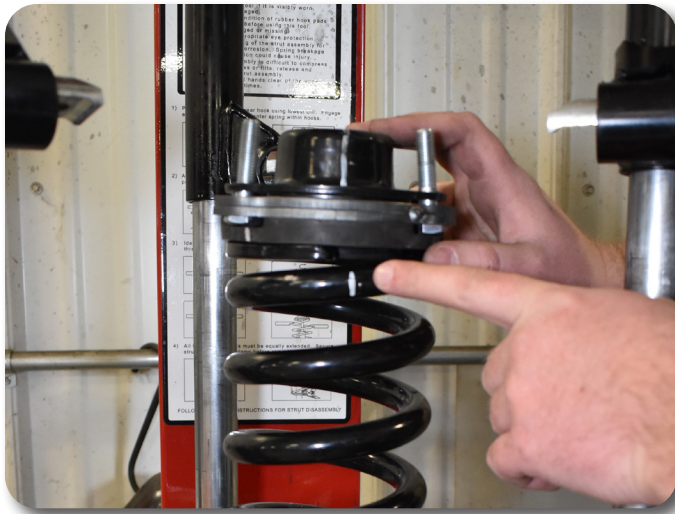


Figure 11A



Figure 11B

15. Install (2) of the 1/4" strut top spacers on to the strut. Figure 12



Figure 12



### Step 16 Note:

The 10mm hardware is in bolt pack BP1081.

16. Install the strut assembly back in the vehicle and fasten to the original frame mount with the provided 10mm nuts and washers. **Figure 13** Torque nuts to 45 ft-lbs.



Figure 13

17. Swing the lower control arm up and fasten to the strut with the original factory hardware. Leave hardware loose. **Figure 14**



Figure 14

18. Repeat the strut removal/assembly on the opposite side of the vehicle.
19. With both struts reattached to the frame, reconnect the lower control arm/ball joint assembly to the steering knuckles with the factory bolts. A floor jack can be used to raise the lower control arm. Use Loctite on the bolt threads and torque bolts to 118 ft-lbs. **Figure 15**





Figure 15

20. With both sides assembled, install the wheels and lower the vehicle to the ground. Torque lug nuts to 83 ft-lbs.
21. Bounce the front of the vehicle to settle the suspension. Torque the lower control arm cam bolts to 136 ft-lbs.
22. Torque the lower strut bolts to 81 ft-lbs.

## Rear Block Installation

1. Block the front wheels and raise the rear of the vehicle. Support the frame rails with jack stands.
2. Remove the rear wheels.
3. Support the rear axle and remove the rear shocks. Save the mounting hardware.
4. Disconnect the brake line bracket from the rear axle **Figure 16**.

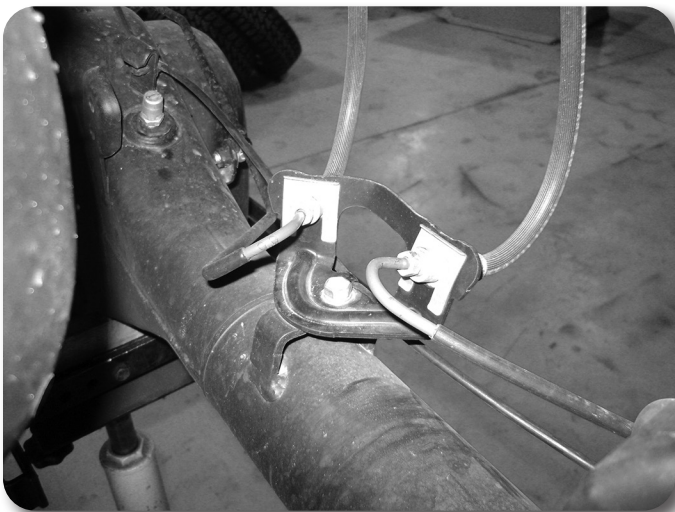


Figure 16

5. Disconnect the emergency brake line bracket from the leaf spring clamp. Retain hardware. **Figure 17**



Figure 17

6. If necessary, the brake line can also be temporarily disconnected from the frame.
7. Remove the factory U-bolts and lower the rear axle. Loosen the u-bolts on the opposite side of the vehicle, but do not completely remove them. This will allow the axle to flex for easier installation of the rear AAL **Figure 18**.



Figure 18

8. C-clamp on either side of the center pin clamping all leaves together. **Figure 19**.

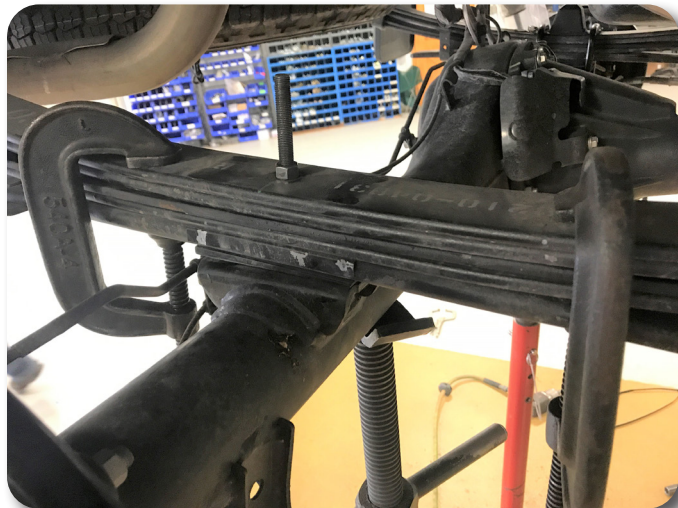


Figure 19

9. Loosen the top center pin nut and lower the axle enough to remove the factory center pin.
10. Place the provided 1" block on the bottom of the leaf pack and insert the new 3/8" center pin first through the block, then through the leaf pack. **Figure 20**



Figure 20

11. Tighten the center pin nut to 20 ft-lbs.
12. Remove the C-Clamps.
13. The center pin will need to be trimmed to work with the bump stop pad on the top of the leaf spring as it was with the factory center pin. **Figure 21**



Figure 21

14. Fasten the entire assembly with the provided u-bolts, high nuts and washers. Snug but do not torque the u-bolts at this time. **Figure 22**





Figure 22

15. Repeat block installation of the driver's side. Take care not to over extend the brake lines Use the provided center pin and 1" bolt on block and install the block to the bottom side of the OE leaf pack.
16. Align the center pin head with the locating hole on the axle tube spring pad.
17. Install new u-bolts with OE top plate and bottom plate. Use provided new washers and nuts Figure 23.



Figure 23

18. Re-install emergency brake line brackets to both the frame and leaf spring clamp. Figure 24

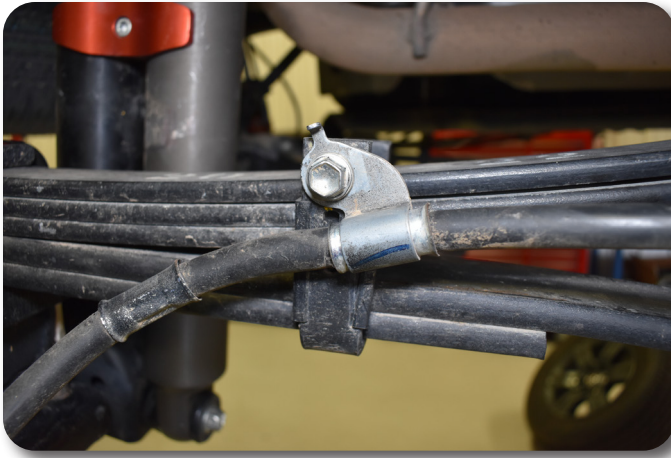


Figure 24

19. Re-attach the brake line bracket to the rear axle.
20. Install new shocks with new upper hardware and OE lower hardware.

## Rear Shock Installation

21. Install shock in upper and lower mounts. Follow shock installation instructions.

## Rear Installation - Continued

22. Use an even amount of the provided 02866 (1/4" tall) spacer washers and 10mm hardware to space down the carrier bearing as needed. Recommended to use (2) spacers (1/2" total height) for each mount of the carrier bearing.
23. Reinstall wheels and torque lug nuts to 83 ft-lbs.
24. Lower vehicle to ground and torque u-bolts to 100-120 ft-lbs.

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## » POST-INSTALLATION

1. Check all hardware for proper torque.
2. The vehicle will need a complete front end alignment.
3. Adjust headlights.
4. Check hardware after 500 miles.

### Step 22 Note:

The 10mm hardware is in bolt pack BP1084.

### Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.