

# Omix-Ada, Inc. – Installation Instructions

## 1997-2004 Jeep Wrangler standard and Automatic. (18303.10)

## 2005-2006 Jeep Wrangler with 6 Speed Manual. (18303.11)

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### 3” Body Lift Kit

#### Step 1: Remove the fuel filler neck.



Remove all 4 screws from fuel filler neck to get access to the fuel hose ( see step 12 “fuel hose extension”)

- T-25 Torx
- screws will be reused

#### Step 2: Remove bolts from 4-wheel drive bracket



Remove carpet on drivers side to get access to the 4-wheel drive bracket bolts

- 10mm socket
- Bolts will be re-used

Remove bolts using 10 mm socket

4-wheel drive bracket extension will be installed in step 13

#### Step 3: Remove steering shaft mount bolts



Loosen 13 mm or ½ bolt on top of steering shaft  
← Disassemble steering shaft mount from frame  
(Move rubber engine guard aside to get access to 15 mm bolt that mounts in the side. )  
Remove this bolt and save it for re-installation of the new bracket.

- 13 mm socket
- 15 mm socket



Body Lift

#### Step 4: Loosen Radiator



Remove coolant overflow bottle to get access to radiator and fan shroud bolts – set aside.



Remove all 4 bolts from fan shroud and keep them for Re-installation.

- 11 mm socket
- Bolts will be re



Push back radiator fan shroud



Remove all bolts of radiator (3 on each side), starting with the ones on the drivers side. Repeat on passenger side. Keep at least 4 of the 6 bolts

- 10 mm socket



Radiator is now loose

### Step 5: Remove Light Bezel.



Light bezels must be removed to install new bump stops with the 3" body lift - T-15 screw driver

Remove all three screws per headlight

Remove light bezels

Keep all six screws

**Note:** If vehicle is getting light guards, turn in headlight adjustment screws six full turns. See Chapter Accessories/ Light guards for more information

### Step 6: Lift vehicle



Put Jeep on rack, lift it

### Step 7: Remove wheels and tires



Remove all wheels and tires to make body lift installation easier - 19 mm or 3/4socket



TIP: If you install aftermarket wheels, you must remove rotor retainers (2 on each wheel) to allow aftermarket wheel to sit flat on rotor. - Wire snips

**Step 8: remove Body Bolts**



Picture shows position of the of the body pucks.  
Body pucks 9 – 10 – and 11 are the opposite side of 4-3-and 2.

**Please remove the body pucks in the following order:**

Remove the factory body puck (1) from under the grille

- 16 mm socket

None of the factory bolts will be re-used



Remove factory body pucks 2 / 3 / 4 along one side of the vehicle.

- 16 mm socket

Keep or throw away **all** factory bolts



Remove factory body pucks 5 / 8, on each side in front of gas tank

- 16 mm socket

None of the factory bolts will be re-used



Remove factory body pucks 6 / 7, one on each side on rear of vehicle

- 16 mm socket

**Leave body pucks 9/10/11 on opposite side of Jeep loose, but not off!**

**Step 9: Lift body off frame on one side**



Now, all bolts should be loose on one side. Use Screw Jack to push body up on one side (high enough to put body block on top of factory puck in, you might have to adjust the height a few times)

- Screw Jack



Rear view of raised up body

Body Lift

## Step 10: Install body pucks



Use bodybolts from body lift kit.  
Start the bolts, but do not tighten them.

**IMPORTANT:** Use Lockite for the bolts.



**If you install side steps, start with body puck -hands No 4!**

Put 1" body puck under rear side step, 2" body puck on top of mounting hole



**If you do not install side steps, start with body puck No 5!**

Put one body puck in front of gas tank (lifted side)

Please install the rest of the body pucks on top of the factory body pucks in the **following order**:

### **Steps 1:**

No 4 – tighten

No 5 – start it, do not tighten

No 3 – tighten

No 2 – tighten

No 9 – tighten

No 8 – start it, do not tighten

No 10 – tighten

No 11 – tighten

### **Steps 2:**

No 5 – tighten

No 8 – tighten

No 6 – tighten

No 7 – tighten

**No (1) will be tightened in the very last step. Do not tighten at this time.**

**Step 11: Install fuel extension pipe**

**Note:** several sizes have been supplied. Use the correct one for your application. With fuel line cut the tube should fit snug inside of rubber fuel hose.

**On later model Jeeps equipped with on-board vapor recovery it is important to not cut these lines. These lines have been supplied from the factory with extra length. Just pull enough vapor lines loose as needed for lift. “Do Not Cut Vapor Lines”.**



Fuel extension pipe.



Cut fuel filler hose 1 ½" below factory clamp.

- razorblade



Insert fuel extension pipe in the hose.  
Tighten hose and extension down with hose clamps from the body lift kit.

- 8 mm socket

## Step 12: Four wheel drive linkage extension



The Four-wheel-drive linkage has to be extended due to the body lift impact on the part.

- 3/8 electric impact

- 10 mm socket

You've already loosened the bolts holding the linkage in step 2

Remove linkage from its original position (below drivers seat)



Remove the bolts of the bracket

Save the bolts



pivot bracket from the 4-wheel-drive linkage



Attach pivot bracket onto relocation bracket  
For correct fitment.



Attach drop bracket to 4wd-linkage, using the factory bolts and washers that are included in the body lift kit.

- 10 mm socket



Tighten down factory bolts with lock nuts from body lift kit

- 11 mm socket





Install pivot bracket on drop bracket as shown. -11 mm socket

Use 11 mm screws / 4 washers (one on each side of bolt) / 2 lock nuts from bodylift kit

Do not over-tighten pivot bracket, make sure it still rotates



Put 4wd-linkage back in place using factory bolts.

### Step 13: Steering bracket lift

To install the steering bracket kit, you need to move rubber engine cover aside



1. steering raise cube, goes on top of frame / under steering shaft
2. steering raise plate, goes aside of cube
- 3 & 4 bolt and washer, use with 1 (cube)
5. 2 washers, lock nut, 1 bolt 1 factory bolt, use with 2 (plate)

**USE LOCKTITE!**



You've removed the bolts in step 3. Combine items as described above. Place the cube on top first, tighten, (see detailed picture), then tighten the plate aside. Tighten 13mm bolt on top of steering shaft.

- 13mm socket

- 1/2" or 15 mm socket

- 16 mm socket

**TIP: After installation, paint the steering bracket kit black with semi – gloss spray paint and replace rubber engine guard.**

### Step 14: Replace bolts

Lower vehicle down.

- T-25 socket extension

Put factory bolts back in fuel filler neck, tighten down. ( see step 1)

Replace 4-wheel drive bracket bolts and carpet under drivers set that you removed in step 2.

- 10mm socket

### Step 15: Radiator lowering extensions



Radiator lowering brackets from Body Lift Kit  
- 4 lowering brackets with bolts  
- 4 lock nuts  
- 4 washers

OMIX-ADA lowering brackets are slightly modified.



Replace bolts and lowering brackets in original positions of the radiator, using 4 radiator mounting points instead of the original 6.  
Start all bolts on the radiator, tighten bolts to grille  
- 10 mm socket

**CAUTION!** For all Jeeps that have A/C, it is extremely important to allow the A/C lines (condenser line) enough space. On some models it might be necessary to cut out a small amount of metal out of the lower part of the radiator. On most newer Jeeps it is enough to simply angle the radiator slightly to allow enough room.

Now, tighten radiator to the grille. - 11 mm socket

Tighten fan shroud back to radiator, re-using the original bolts.

Re-install coolant overflow bottle

### Step 16: Install Grille bump stop.



Bump stop extensions from body lift kit



Remove factory bump stops below head lights, underneath the grille  
Rotate by hand!



Replace factory bump stops with bumps - swivel 13mm socket stops from Body lift kit with the rounded side pointing downwards. Tighten bolts (you might need to lift the vehicle to get access to the bolts). Repeat on other side of the vehicle.

tighten the extended bodypuck No 1, underneath the grille

## Step 17: (5 and 6) speed manual transmission extension bracket installation

**Note:** Early model TJ's equipped with AX15's with square shifter shaft do not have a correction bracket supplied. In a few applications there may be some shifter interference with the console. If this happens than it will be necessary to physically bend shift lever (lever with shift knob attached) until interference has been deleted.

### 5 Speed transmissions. (Round correction bracket)

Remove shifter boot to expose shifter arm. Remove shifter arm from transmission shifter shaft by loosening top bolt. Install correction bracket with small shaft facing instrument panel. Apply a small amount of lock tight to Allen head screw and tighten correction bracket to transmission shifter shaft. Reinstall shifter arm onto correction bracket and retighten shifter arm Allen head screw and top bolt onto correction bracket. Before installing shift boot run transmission through gears to check for clearance issues. Adjust if needed. Reinstall shift boot.

### 6 Speed transmission (2005-2006 TJ ) Billet aluminum correction bracket.

Remove shifter boot to expose shifter arm. Remove shifter arm from transmission shifter shaft by loosening top bolt. Install billet correction bracket with long section facing towards instrument panel (see drawing).

Note: in some cases there could be a very tight fitment of the correction bracket to shifter shaft. The use of WD40 to shaft should help with installation if tight. A rubber mallet should be used to insure the correction bracket is seated fully into the shifter shaft. Add threadlock to the Allen head screw and tighten. Reinstall bolt to top of correction bracket.

Insert extension shaft into correction bracket. Add threadlock to Allen head screw and tighten securely making sure that notched side of riser is facing towards the drivers seat (see drawing). Reinstall factory shifter arm and reinstall keeper bolt. Add threadlock to Allen head screw and tighten securely. Before installing shift boot run transmission through gears to check for clearance issues. Adjust if needed. Reinstall shift boot.

