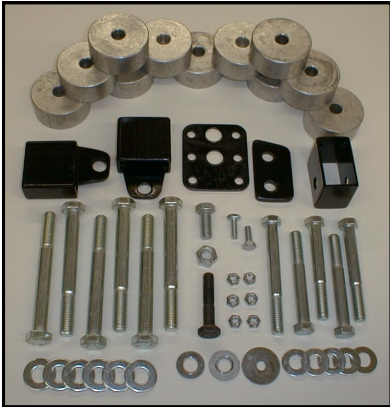




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INSTRUCTIONS for M.O.R.E.™ BLTJ97 1" BODY LIFT KIT / SYSTEM



This M.O.R.E.™ One Inch Body Lift Kit fits 1997-2000 Jeep® TJ® Wrangler® vehicles with ether 2.5L or 4.0L engines, with manual or automatic transmissions, with or without air conditioning. This kit has been designed to fit on TJ Wrangler's that are stock (no suspension lift), or Wrangler's that have been lifted with aftermarket suspension lift kits up to 4". M.O.R.E.™ has up-dated this kit from the earlier kits with the necessary hardware to address the following items: Steering Shaft Guide Bracket, Grille Support Blocks, and Transfer Case (T-Case) Shifter Drop Plate. Please read all instructions and our Terms and Policies on page 3 before you begin installing this kit. Familiarize yourself with all components in this kit and the parts of your Jeep that you will be working on. Common hand tools are required and some knowledge of mechanical things are needed. This kit contains the following items:

<u>Quantity:</u>	<u>Description:</u>	<u>Size:</u>	<u>Location:</u>
11	Puck-Aluminum	2-1/4" x 1" 1/2" hole	All
1	Bolt	7/16" x 4"	1
4	Bolt	7/16" x 3-1/2"	5,6
6	Bolt	1/2" x 4-1/2"	2,3,4
2	Bolt	1/4" x 3/4"	T-Case Shifter
1	Bolt	10mm x 1.5 x 50	Steering Guide Lift Block
1	Bolt	7/16" x 1"	Steering Guide Side Bracket
1	Nut	7/16" CrimpLoc	Steering Guide Side Bracket
6	Washer-Flat	7/16"	1,5,6, Lift Bracket Metric Bolt
6	Washer-Flat	1/2"	2,3,4,
1	Washer-Fender	1/4"	Fan Shroud
1	Washer-Lock	7/16"	Lift Bracket Metric Bolt
6	Nut	1/4" CrimpLoc	Fan Shroud
1	Drop Plate	#BLTJ97-01	T-Case Shifter Linkage
2	Grille Support Block	#BLTJ97-02-2	Grille to Frame
1	St. Guide Lift Block	#BLTJ97-03	Steering Guide Lift Block
1	St. Guide Side Bracket	#BLTJ97-04	Steering Guide Side Bracket

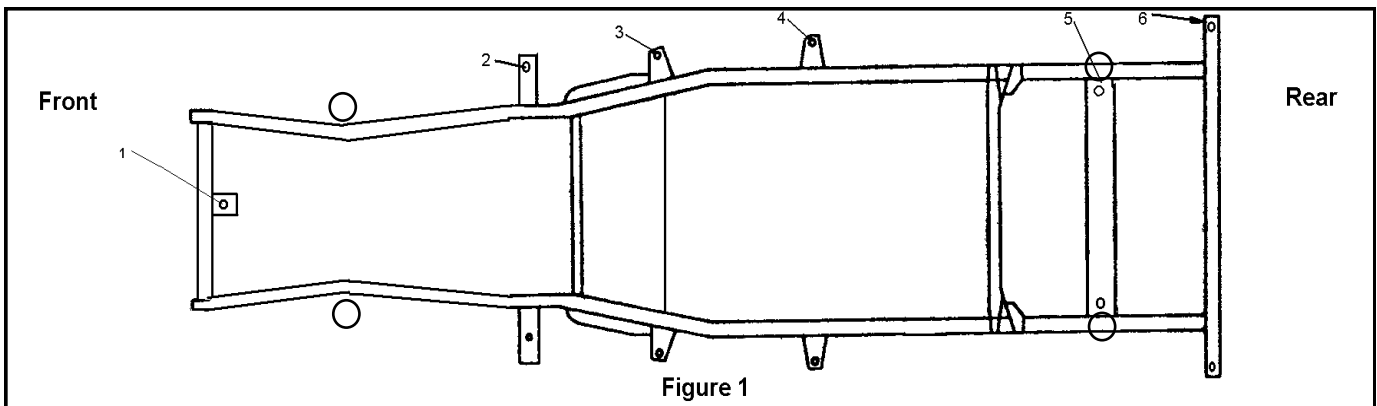


Figure 1

1. Remove the 4 bolts holding the fan shroud to the radiator.
2. Remove the 4 nuts that hold the fan to the water pump pulley.
3. Remove the shroud and fan.
4. Inside the Jeep on the drivers side, pull the carpet away from the floor pan to expose the 4 bolts that hold the transfer case shift linkage bracket. (This bracket is on the under side of the body and it's purpose is to locate the bellcrank for the linkage.) Remove the 4 bolts and remove the bracket from the under side.
5. Loosen all 11 body mount bolts. Remove the one under the grille. Remove 5 bolts on the driver's side. (Hint, The hidden mount bolts are between the fuel tank and the upper rear shock mount!).
6. Place a stout piece of wood on a floor jack and place the jack between body mount 3 and 4 on the channel portion of the body. Jack up the body just enough to install the 1 inch pucks on top of the factory steel washers/rubber insulators. Place the M.O.R.E.™ pucks in locations 2,3,4,5,6. It is recommended that you use a dab of lock-tight on the new longer bolts. Start the new longer bolts in locations 2,3,4,5,6. Do not tighten at this time. **See Figure 1** for locations of body mounts.
- 6A. If you are replacing the body mounts with our Urethane mounts then the position for these are :
Positions :1,5, and 6 : MO2288 , M02429 , S10125 See Figure 1
Positions : 2,3, and 4 : M02348 , MO2350 , S10125 See Figure 1
7. Repeat this procedure on the passenger side of the body.
8. Install the last puck under the grille (location 1) and start the longer bolt.
9. Locate the anti-sway bar hold down brackets (just in front of the grille on the frame). Remove the rear bolts in the brackets (arrow). Install the Grille Support Blocks on the frame with the tab on top of the anti-sway bar brackets. These blocks will take up the gap between the rubber bumpers and the frame. Reinstall the bolts and tighten them. **See Figure 2**.
10. Now, tighten the new longer body mount bolts. Use your judgment as to how tight to torque the bolts. Do not "crush" the rubber insulators or leave the bolts too loose!
11. Find the 4 holes in the mounting flange on the radiator where the shroud mounted. Measure 1 inch below the factory holes and center punch a mark. Do this as accurately as possible. (The passenger side lower hole will end up in a large existing hole and can not be drilled. (This is what the large fender washer is for.)
12. Drill the center punched marks with a 1/4" drill bit. You may find it easier to use a angle-head drill for this job, however a standard drill can be used.
13. Since the radiator stays in the stock location, and its bolted to the body, it moves up 1 inch with the body lift. The fan shroud must line up with the fan, and it is connected to the engine. The engine stays in the stock location. For the shroud to fit in the new holes you just drilled, the shroud needs to be trimmed slightly to clear the lower radiator hose. You can use a round file, Dremmel® Tool (hi-speed grinder), or what ever you have to perform this job. The shroud is made out of a plastic material that cuts, sands and forms easily, so be careful when grinding or filing. Make sure that the shroud doesn't touch the hose when bolted in place.
14. Install the fan and shroud. Tighten the nuts that hold the fan to the pulley/water pump. Install the factory bolts through the shroud and into the holes you drilled in the mounting flange. Use the CrimpLoc nuts provided. Do not over tighten the nuts/bolts, just a bit past snug will do the trick. The large fender washer is for the lower hole on the passenger side. Place it on the steel side of the mounting flange so the CrimpLoc nut has a surface to grab against.

15. The bracket that you removed in **Step 4** can now be addressed. Remove the two bolts that hold the swivel ball mount to the bracket. The M.O.R.E.™ drop plate will relocate this swivel ball mount to its proper location. Use the bolts that you just removed to attach the drop plate (with-out the swivel ball mount) to the bracket, placing the drop plate with the two large holes down. The swivel ball mount can now be bolted to the drop plate. Where you place it depends on how your Wrangler is set-up. If your Wrangler is stock (no suspension lift) place the swivel ball mount in the upper set of holes. **See Figure 3a**. If your Wrangler has a suspension lift kit that uses spacers between the frame and skid plate/crossmember, place the swivel ball mount in the lower holes. **See Figure 3b**.
16. The shifter rod that connects the shift lever to the bellcrank needs slight modification. Remove it from the bellcrank by prying the ends out from the plastic grommets. The end that “snaps” into the bellcrank needs to have the point ground off to more of a “nub” than a point. Be careful not to grind too much off the point. **See figure 4a & 4b**. Figure 4a shows the factory point on the rod. Figure 4b shows how it should look after you have ground the point off, (see arrow).
17. Re-Install the bracket to the floor pan. **See Figure 5** (this figure shows a Wrangler that has the swivel ball mount in the lower set of holes). Now, you will need to adjust the linkage on the shifter rod between the shift lever and the bellcrank. Find the adjustment bolt on the rod. Make sure the shift lever and the T-case go all the way into low range. The adjustable linkage on the rod will probably need to be adjusted longer. Now, make sure that the T-case and the lever go all the way into high range. This may take some time adjusting it to get it perfect, but it can be done, and is VERY IMPORTANT that it be done so that no damage occurs to the T-case.
18. If your Wrangler is equipped with a automatic transmission, no modifications are necessary. It is cable operated from the shifter to the transmission and has plenty of slack for the 1" body lift.
19. The factory steering guide bracket now gets raised with the M.O.R.E.™ block and side bracket. This guide bracket is located in the engine compartment, between the steering column and the steering box. Remove the bolts that attach it to the frame and steering shaft bearing and remove the bracket from the frame. Grind the corner slightly so it will have clearance once it is bolted back to the frame. **See Figure 6** (arrow). Bolt the M.O.R.E.™ side bracket to the factory guide bracket with the tapered end down (arrow), using the 7/16" x 1" bolt and CrimpLoc nut. **See Figure 7**. Do not tighten at this time. Install the M.O.R.E.™ lift block under the factory guide bracket and attach it to the frame using the 10mm x 1.5 x 50 bolt with a 7/16" lock washer & flat washer under the head. Re-use the factory bolt on the side bracket lower hole. Re-attach the nuts on the studs of the guide bracket that hold the bracket to the steering shaft bearing. Tighten all bolts at this time. **See figures 8 & 9**.
20. Go back and re-check all of your work. Make sure that all the bolts are tight and nothing has been left "undone". Re-check the body bolts, T-case linkage adjustment and steering shaft guide bracket bolts after 4-Wheeling and every few months. If you have any questions or comments, please call. Thank you for purchasing this product from M.O.R.E.™.

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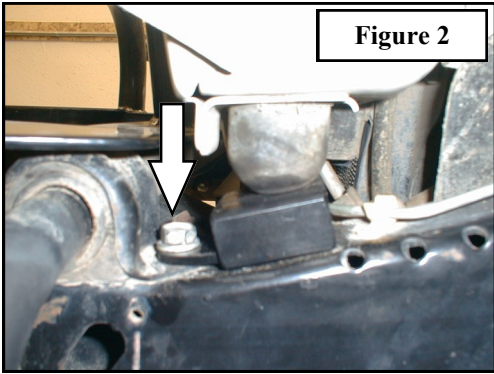
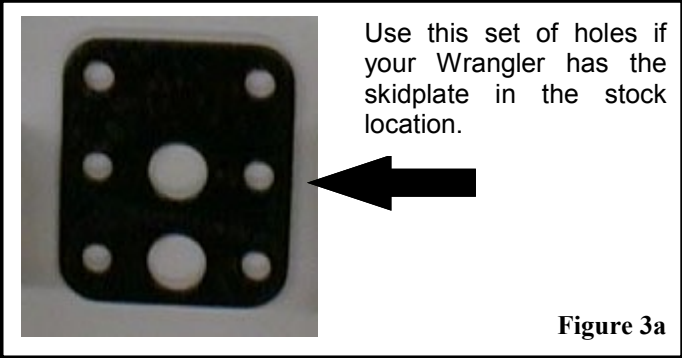


Figure 2



Use this set of holes if your Wrangler has the skidplate in the stock location.

Figure 3a



Figure 4a

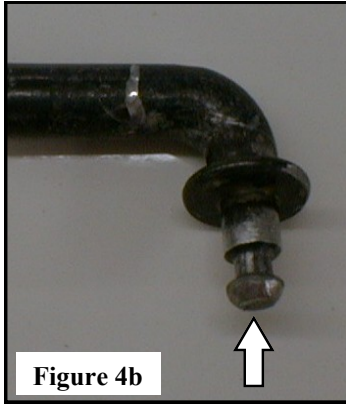
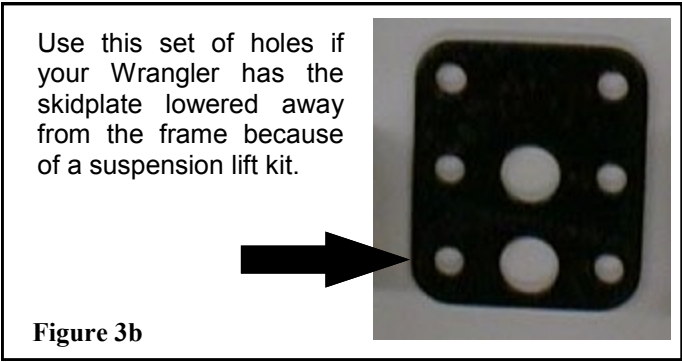


Figure 4b



Use this set of holes if your Wrangler has the skidplate lowered away from the frame because of a suspension lift kit.

Figure 3b

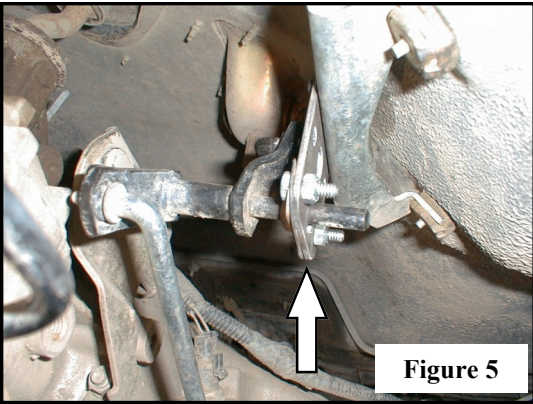
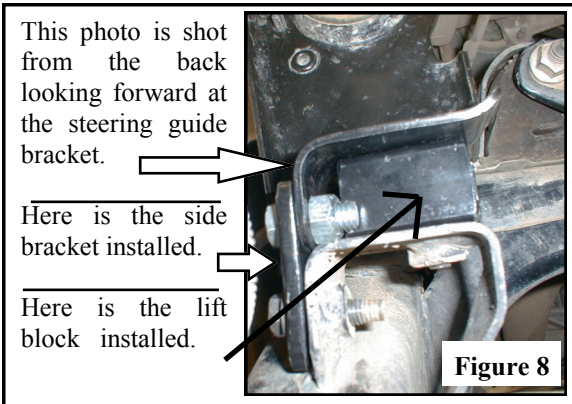


Figure 5



Figure 6



This photo is shot from the back looking forward at the steering guide bracket.

Here is the side bracket installed.

Here is the lift block installed.

Figure 8

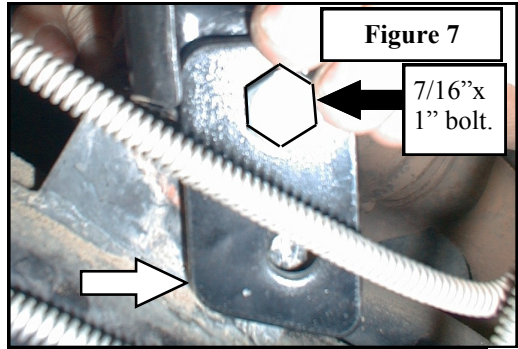


Figure 7
7/16"x 1" bolt.

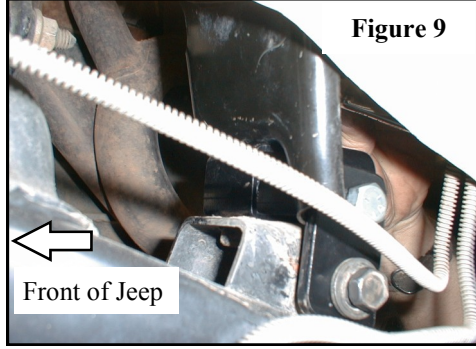


Figure 9

Front of Jeep



Now, go have some fun 4-wheelin' !!!

