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2" Bodylift Installation Instructions

Please read the instructions carefully and **be** sure to have a clear understanding of how to correctly install this product before attempting the install; if you have any questions please contact us prior to the install to be sure that this product is installed properly. Returns and/or exchanges are not given on installed merchandise.

Vehicle Application:
2000-2004
Xterra 2 & 4 *WDI*Auto or Manual
Transmission

This body lift is designed to provide room for larger tires under the fender wells and does not **have** provisions for relocating the front bumper. The installer will have to drill the mounts for the rear bumper to position it 2" higher.

Installation of any body lift will increase the center of gravity. Care must be taken while driving the vehicle after the installation of this body lift as the vehicle will handle differently.

Make sure to have the vehicle on level ground prior to starting. Make sure to use jack stands and block the tires prior to beginning. Make sure to use lock-tight when installing all nuts and bolts.

- 1) Disconnect negative **batter** cable then positive battery cable.
- 2) Remove the air **the fuse box**.
- 3) Remove the air cleaner assembly.
- 4) Mark the steering shaft **top** and bottom to ensure proper alignment.
- 5) Disconnect the steering shaft top and bottom to ensure proper alignment.
- 6) Make sure the radiator is **cool** and drain the radiator.
- 7) Unbolt the radiator and fan shroud from the support **core**. Remove the upper **and** lower radiator hoses and overflow bottle and remove the radiator and shroud.
- 8) Disconnect the heater **hoses** on the firewall.
- 9) Remove the bolts holding a/c hose to fire wall and position it away from the firewall.
- 10) Disconnect the power steering reservoir from its mount. Adjust the power steering hoses to **allow** for 2" of movement. Reposition the power steering bottle 2" lower.
- 11) **Remove** the two screws and the brake vacuum line guard from the passenger side of the frame located just inside the passenger side fender well behind the front wheel. Make sure **behind the guard** can move freely and are not attached to the frame rails.
- 12) Check along the frame and inside the engine compartment for slack to allow lifting. Disconnect **lines or zip ties** as needed.
- 13) Remove the two bolts holding the safety loop to the floorboards. Disconnect the emergency brake adjuster from the frame located on the passenger side **inner** frame rail.
- 14) Remove the front bumper. Make sure to disconnect any wires and bolts attaching it to the **body** or frame.

- 15) Remove the four panel clips and separate the two wheel well flaps from the frame in the front fender well area.
- 16) Remove transfer case shifter.
- 17) Remove the 12 screws and 4 scuff plates from the doorjamb on each side of the body.
- 18) Remove the two bolts and pop kick panels from the floorboard.
- 19) The manual transmission shifter will not to be extended to shift correctly, but the transfer case shifter will have to be or the floorboard notched for it to be able to shift into 4Lo.
- 20) Remove the four screws and the console cover from the floorboard. Pull the shift boot to expose the top of the transmission and transfer case shifter.
- 21) Remove the bolt and transfer case shifter lever from the transfer case.
- 22) Remove the rear bumper and disconnect the rear license plate lights.
- 23) Remove the seven panel clips and filler hose guard from the passenger side rear wheel well.
- 24) Remove the two rear seat bases from the floorboard.
- 25) Pull the carpet and mat back to expose the two body mounting bolt access covers.
- 26) Remove the access covers from the floorboards and throw them away. They are made of plastic and will have to be broken to gain access to the body mounting bolts on each side.
- 27) Remove the four bolts, washers, lock washers and two outside support brackets from the body and the frame.
- 28) Loosen but do not remove the ten body mounting nuts and bolts.
- 29) Make sure to use a block of wood between the body and the jack when lifting.
- 30) Remove all five nuts and bolts holding the body to the frame on the passenger side only.
- 31) Disconnect the filler and the vent gas lines.
- 32) Cut the filler gas line and add the hose extension tube and secure it with the hose clamps provided.
- 33) Adjust the vent line so it has enough slack.
- 34) Reposition and secure the filler and vent lines.
- 35) Install the filler hose guard on the passenger side rear wheel well with the panel clips.
- 36) Lift the passenger side with jack and block of wood just enough to install 2" longer body mounting spacers.
- 37) Position the five spacer blocks on top of the passenger side core support frame and the floorboard mounting pads.
- 38) Install 7/16" x 6" bolt and 3/8" washer on outside support bracket with the middle bolt, lock washer and nylock nut in the mounting pad. Do not tighten.
- 39) Install 10mm x 160mm bolt and 3/8" washer on the outside support bracket with the middle bolt, lock washer and nylock nut in the mounting pad. Do not tighten.
- 40) Install 7/16" x 6" bolt and 3/8" washer and nylock nut in the next mounting pad. Do not tighten.
- 41) Install next 7/16" x 6" bolt and 3/8" washer and nylock nut in the next mounting pad. Do not tighten.
- 42) Install 12mm x 180mm bolt and 7/16" washer and lock nut in the last mounting pad on the passenger side. Do not tighten.

- 43) Install the outside support extension brackets. Do not tighten.
- 44) the body on the passenger side blocks.
- 45) Install the body spacer blocks on the driver's side the same way as on the passenger side.
- 46) Install the side support brackets with 5/16" x bolts and 5/16" washers and 5/16" nuts. On each side of the body tighten to 19 Lb.lFt.
- 47) Add lock-tite to the threads of all 10 body mounting bolts and tighten to 55 Lb.lFt.
- 48) Take the steering shaft that was removed from the vehicle and slide the two halves , apart approximately 1/2" and line it up with the steering column and gearbox. Make sure it fits properly and reinstall it with the correct alignment marks top and bottom. Make sure to use lock-tite.
- 49) Install the ale hose back on the firewall making sure it does not bind.
- 50) Install the two heater hoses on the heater core and tighten with clamps.
- 51) Install the brake and vacuum lines located by the passenger side front tire using the bracket with one bolt in it. Make sure there is plenty of slack.
- 52) Install the line guard on the passenger side.
- 53) Using a die grinder or hacksaw to cut away the stock lower radiator support from the core support. Cut to the outside of each mounting hole approximately 1.5" to 2" and flush with the vertical surface of the core
- 54) Align the lower radiator support bracket on core support and attach it to the core support with the self tapping bolts.
- 55) Position the radiator on the lower support bracket. Remove the rubber bushings from the plastic studs on the radiator top. Position two rubber bushings in the large holes in the two 2"x 2"x rectangular tubes and slide the tubes on the plastic studs. Install the two to,P radiator mounts with the two 3/8"x 1" bolts, washers and nuts. Make sure the radiator is aligned and tighten all bolts.
- 56) Install the fan shroud and check the fan to fan shroud clearance.
- 57) Install the upper radiator hose and the overflow bottle.
- 58) Bend the ale hose clamp on the firewall to a 45 degree angle to give the line ample slack. If needed, bend the ale line forward to allow mounting to the core support. Check the ale hose at the ale pulley. Make sure the line is not rubbing on the pulley. If it does, bend the steel portion of the line to gain clearance.
- 59) Install the rubber flap on the frame. Install the lower radiator hose. Install the skid plate. Fill cooling system and for leaks. The cooling will have to be topped off later after the vehicle has been started.
- 60) Install the safety loop to the floorboard with 2" tubes, 3/8" washers and 10mm x 1.25" x 80mm bolts. Tighten to 30 Lb.lFt.
- 61) Extend the transfer case shifter with the steel rod provided. Place the alignment mark on the transfer case shifter at the bottom and cut it in half at the straight portion of the shifter. Weld in the 2" steel rod and paint exposed metal to prevent rust.
- 62) Install the shifter and the boots. Replace the carpet and the kick panels. Make sure the transmission and the transfer cases shift properly.
- 63) Install the rear seat bases.
- 64) Alter the front and rear bumper brackets and install them.
- 65) Install the wheel well flaps at the top.
- 66) Connect all the wires to the front and back bumpers.

- 67) Install the air box and filter.
- 68) Install the air bag fuse in box.
- 69) Connect the battery cables.
- 70) Check all the mounting hardware to make sure it is tight. Repeat this after 500 miles of use.
- 71) Start the vehicle and check the steering in both directions. Check the clutch operation and check all wires and hoses to make sure they have enough slack.
- 72) Refill the coolant as needed.
- 73) Make sure to adjust your driving to the higher center of gravity.
- 74) Adjust the emergency brake cable as needed for proper operation.

Parts List

- 1-drop down radiator bracket
- IO-blocks
- 2-12mm x 150mm x 1.25" bolts
- 2-10mm x 160mm x 1.25" bolts
- 6.6"x 7/16"x 14mm bolts
- 6-locking nuts "7/16"
- 1-1.24" OD tube x 3" long gas filler
- 2-safety loop tubes 5/8" OD x 2" long
- 2-upper radiator blocks 2"x 2" with 2-3/8" holes
- 2-10mm x 150mm bolts with 1.25" thread
- 2-plates with 1 bolt welded in
- 8-1/2" washers
- 1-solid steel rod .5"x 2" long
- 2.hose clamps 1.5" diameter
- 2-3/8" x 1" bolts with 1/2" thread
- 2.nuts for above bolts
- 4-5/16" x 1" bolts with 1/2" thread
- 6..3/8" Washers
- 4- 5/16" Nuts
- 2-Self Tapping Screws
- 4 Plates w/2 bolt holes

Happy Wheeling!