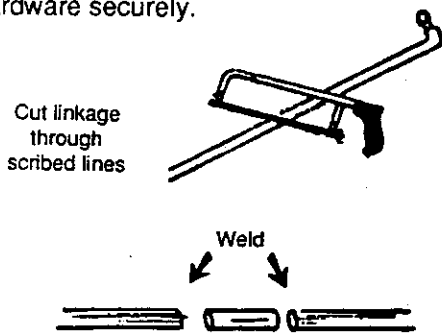


INSTALLATION INSTRUCTIONS

87-91 FORD BRONCO

1. Read instructions completely and carefully before you begin. Check the kit for proper contents (refer to parts list and picture diagrams).
2. Park the vehicle on a clean, dry flat (level) surface. Block the tires so the vehicle cannot roll in either direction. Automatic transmissions should be placed in neutral.
3. Remove both battery cables. Be sure to disconnect the negative cable first, then the positive cable.
4. Remove the screws that mount the doorjamb scuff plates to the body. Remove the scuff plates. Gently remove the plastic tab that mounts the front kick panels. Be very careful not to break the plastic tab. Gently pull out on the kick panels until they come loose. Remove the two screws that mount each rear kick panel. Remove both rear kick panels. Pull the carpeting back to expose the four rubber access hole covers.
5. Remove the screws mounting the rear scuff plate to the body at the rear tailgate area. Remove the scuff plate. Remove the screws mounting each side panel to the body. Pull the side panels out enough to allow the carpeting to be pulled up. Pull the carpeting up enough to expose the rubber access hole cover just behind the rear seat. Remove the access hole cover.
6. Remove the air intake duct where it mounts on top of the radiator. Gently pull up on the plastic tabs being especially careful not to break them. Pull the air duct up and out of the way.
7. Check the fuel filler hose to see if there is ample flex in the hose. It may need to be adjusted after the lifting operation is complete.
8. Remove the bolts that mount the fan shroud to the radiator. Remove the fan shroud from the vehicle.
9. **Automatic transmission only.** Disconnect the transmission shift rod at the steering column and at the transmission. Remove the shift rod from the vehicle. It will need to be lengthened.
10. **Manual transmission only.** The transmission shift lever will drop down in the floorboard after the lifting operation is complete. It may be necessary to modify the floorboard or the shift lever, if the shift lever will not engage in all gears. The clutch is hydraulic and requires no modification.
11. **4 wheel drive only.** The 4 wheel drive shift lever will drop down in the floorboard after the lifting operation is complete. It may be necessary to modify the floorboard or the shift lever if the shift lever will not engage in all 4 wheel drive ranges.
12. Check the steering shaft to be sure that it is a two piece collapsible type. There should be one shaft that slides into the other shaft. This shaft should extend while lifting.
13. Loosen, but do not remove all 10 body mounting bolts. They are located as follows (one on each side); at the front of the vehicle, screwing up into a nut located next to the radiator, in the front floorboard, in front of the rear seat, behind the rear seat, and at the very rear of the vehicle.
14. Remove the body mounting bolts from the passenger side of the vehicle only. Using a hydraulic jack and a wooden block, slowly lift the passenger side of the vehicle just high enough to place the spacer blocks on the stock body bushings. Note: Remove the front body bushing from the frame pad. Using a 1/2" drill, drill out the threads on the inside of the bushing sleeve. This will allow the new bolt to slide through the bushing sleeve. Replace the bushing on the frame pad. Place the spacer blocks on all 5 mounting pads on the passenger side of the vehicle. Install the new mounting bolts in the following manner; 12mm x 180mm with a 7/16" large washer inserted from the bottom and screwing up into the stock nut at the front location, 7/16" x 7" in the next three locations (use the stock washers in these locations) and screwing down into the new 7/16" nylock nut. NOTE: on a 2" kit the bolt length will be 1" shorter than those listed. Start all the the bolts, but DO NOT TIGHTEN AT THIS TIME.
15. Repeat step 14 for the driver's side of the vehicle. The steering shaft should have extended during the lifting operation. Be sure that the steering shaft has extended approximately 1 1/4". Tighten all body mounting bolts securely to vehicle torque specifications. *We recommend the use of loctite or similar adhesive on all body mounting bolts.*
16. Check the fuel filler hose to see if it needs to be adjusted. If it does, loosen the hose clamps at either end of the filler hose. Adjust by sliding the hose slightly at either end until there is ample slack. Tighten both hose clamps securely.
17. Notch the bottom of the fan shroud just enough to allow the fan to clear the shroud without making contact. Reinstall the fan shroud in the vehicle. Be sure that the fan cannot make contact with the shroud.
18. Remount the air intake duct to the top of the core support above the radiator.
19. Install all access hole covers. Replace the carpeting to its original position. Reinstall all side kick panels (including the side panels at the rear of the vehicle). Reinstall the door jamb scuff plates (including the scuff plate at the rear of the vehicle). Tighten all stock mounting hardware securely.

20. **Automatic transmission only.** Lengthen the transmission shift rod. Scribe a line along the shift rod on a section that goes straight up and down in the vehicle (toward the top of the rod). Cut the shift rod through the scribed line. Place the shift extension between the two pieces of the shift rod. Realign the scribed lines. Weld the extension in place. Reinstall the shift rod in the vehicle. Install the bottom of the shift rod in the transmission lever. Install the top of the shift rod in the column lever. Adjust as necessary. Tighten the mounting hardware securely.



21. **Manual transmission only.** Check shift lever operation. Be sure that the shift lever engages completely in all gears. If it

does not, remove the shift boot. Check the shift lever operation again. Make a note of where the lever makes contact with the floorboard. Notch the floorboard to allow for full engagement in all gears. Reinstall the shift boot. NOTE: If the shift lever will not engage in all gears, and you do not wish to notch the floorboard, the only other option is to remove the shift lever, heat and bend it to allow for full engagement in all gears. IF YOU DECIDE TO HEAT AND BEND THE SHIFT LEVER, BE CAREFUL NOT TO BREAK TO OR DAMAGE ANY PART OF IT IN ANY WAY.

22. **4 wheel drive only.** Repeat step 21 for the 4 wheel drive shift lever.

23. The front bumper on this vehicle mounts over the end of the frame horns. There is a small amount of adjustment, by loosening the mounting bolts and sliding the bumper up. The bumper will hit the bottom of the frame. In order to raise the front bumper any higher, the frame must be notched. There are no brackets included with this kit.

24. Reconnect both battery cables. It may be necessary to cut the tape on the wire loom to allow more slack in the positive cable. Be sure to reconnect the positive cable first, then the negative cable.

25. Place the warning sticker on the dash panel in plain sight of all vehicle occupants.

26. Double check the vehicle. Check all wiring, hoses, cables, etc. Be sure that everything is connected properly and is not binding. Check gear shift and 4 wheel drive levers. Be sure that they both completely engage in all gears and 4 wheel drive ranges. Check clutch operation. Check fan to fan shroud clearance. Be sure that the fan cannot make contact with the fan shroud. Start the vehicle. Check the steering. Be sure that there is no binding. Test drive in all gears and 4 wheel drive ranges. Double check all hardware again in 500 miles and as part of your regular maintenance schedule.

PARTS LIST

Parts for the 2" kit are the same as the 3" kit unless otherwise noted.

| QTY. | 3" DESCRIPTION | 2" DESCRIPTION |
|------|---------------------|--------------------|
| 10 | 3" large spacers | 2" large spacers |
| 2 | 12mm x 180mm bolts | 12mm x 160mm bolts |
| 2 | 7/16" x 9" bolts | 7/16" x 8" bolts |
| 6 | 7/16" x 7" bolts | 7/16" x 6" bolts |
| 10 | 7/16" uss washers | |
| 8 | 7/16" nylock nuts | |
| 1 | shift extension pin | |