



FORD SPORT TRAC 2&4WD

3" BODY LIFT KIT

INSTALLATION INSTRUCTIONS

2001-2002 KIT #70023

⚠WARNING

Installation of a Performance Accessories body lift will change the center of gravity and the handling characteristics of the vehicle. Because of the higher center of gravity and larger tires, the vehicle will handle and react differently both on and off road. You must drive it safely! Extreme care must be taken to prevent vehicle rollover or loss of control, which could result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers and always make sure all vehicle occupants have their seat belts fastened.

⚠WARNING

Read and understand all instructions, warnings, cautions, and notes in this sheet and in your owners manual before you begin the installation of this body lift kit.

⚠CAUTION

Proper installation of a Performance Accessories body lift kit requires knowledge of the factory recommended procedures for disassembly and assembly of original equipment components. We recommend that the factory shop manual and any special tools necessary to your vehicle be on hand during the installation. Installation of this body lift kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of your vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this body lift kit.

⚠WARNING

DO NOT combine suspension, body, or other lift devices. Use of vehicle with combined lifts may result in unsafe and/or unexpected handling characteristics.

⚠WARNING

This body lift kit should only be installed on vehicles in good working condition. Before installation, the vehicle should be thoroughly inspected for evidence of corrosion or deformation of the sheet metal around the factory body mounts. This body lift kit should not be installed on any vehicle that is suspected to have been in a collision or misused. Off road use of your vehicle with this body lift installed may increase the stress applied to the factory body mounts. We do not recommend that any vehicle with a body lift installed be involved in any extreme off road maneuvers such as jumping. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

⚠WARNING

Many states now have laws restricting bumper heights and vehicle lifts. Local laws should be consulted to determine if the changes you intend to make to your vehicle comply with state laws.

⚠WARNING

The installation of larger wheel and tire combinations may reduce the effectiveness of the Anti-lock Braking System.

⚠WARNING

Always wear eye protection when operating power tools.

⚠WARNING

Ensure that your vehicle tires are properly blocked and secured before you begin installation of this lift kit.

⚠WARNING

The Supplemental Restraint System (SRS, or air bag) must be deactivated during lift kit installation to avoid accidental air bag deployment while working near SRS sensors and wiring. Do not allow anyone near the air bag during lift kit installation. Accidental deployment can result in serious personal injury or death. Refer to your factory service manual/owner's manual for the recommended procedure to disable the SRS. The SRS must be reactivated before driving the vehicle.

⚠NOTE

Performance Accessories recommends using the Loctite® supplied in the kit on all hardware unless noted in the instructions.

A. Before you start.

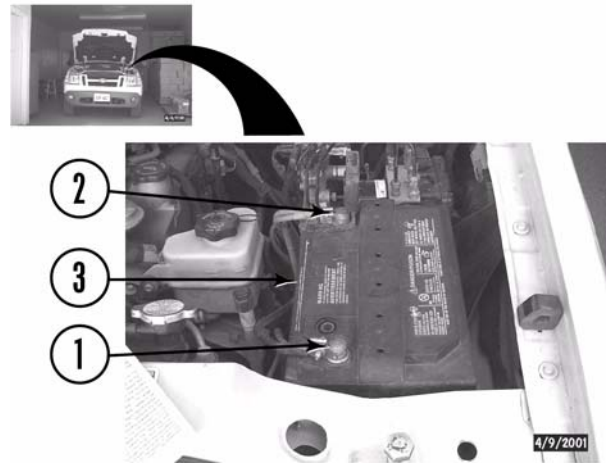
⚠NOTE

As you read through this procedure, note that each part referenced has the same callout number throughout. Also, the part number in the text matches the corresponding part number in the art. Kit parts are prefaced by the word *kit* in italics.

⚠NOTE

You will find it easier to keep track of hardware if immediately after removal you put the fasteners for each subassembly in a paper lunch bag and write on the bag where they go.

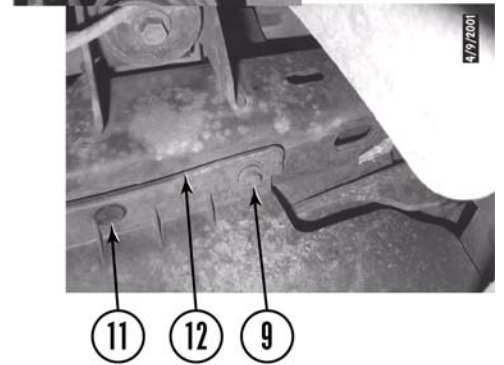
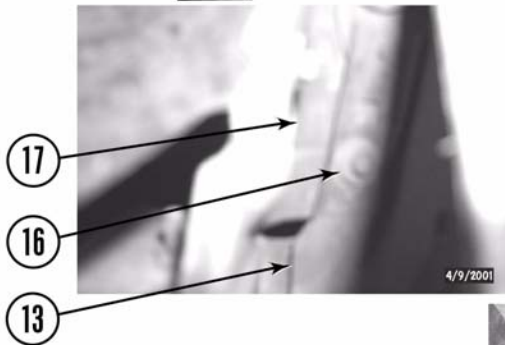
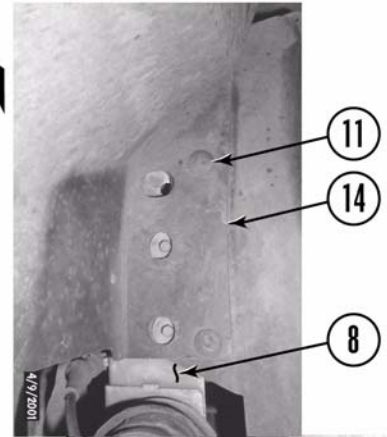
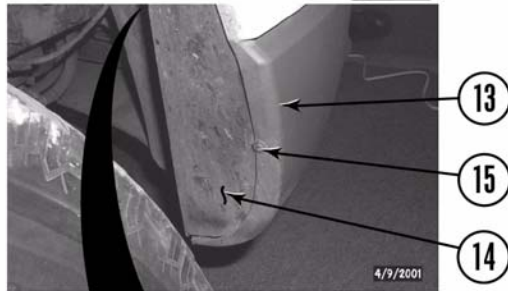
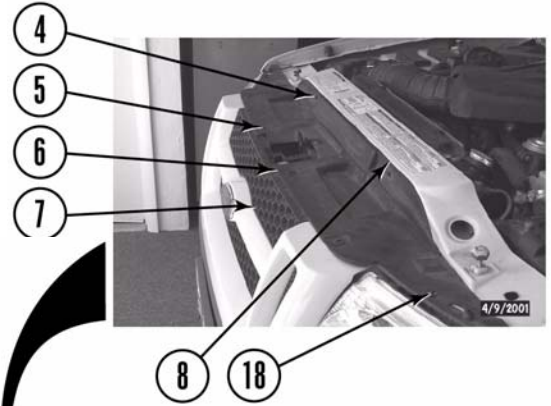
1. Read all warnings and instructions completely and carefully before you begin.
2. Check to make sure the kit is complete (refer to the Parts List, section E).
3. Only install this kit on the vehicle for which it is intended. If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Disconnect both battery cables. Disconnect the negative cable (1) first, then the positive cable (2) from the battery (3).



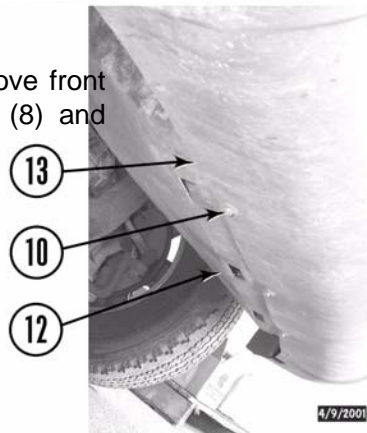
B. Get ready to install the kit.

1. Remove the front bumper.

- a. Remove two bolts (4), four screws (5), and radiator shroud (6) from grille (7) and core support (8).
- b. Remove seven bolts (9 and 10), two panel clips (11), and skid plate (12) from front outer bumper (13) and core support (8).
- c. Remove four panel clips (11) from wheel well flaps (14) and core support (8).
- d. Remove six screws (15) from front outer bumper (13) and wheel well flaps (14).
- e. Remove two bolts with captive washers (16) from front outer bumper (13) and front fenders (17).



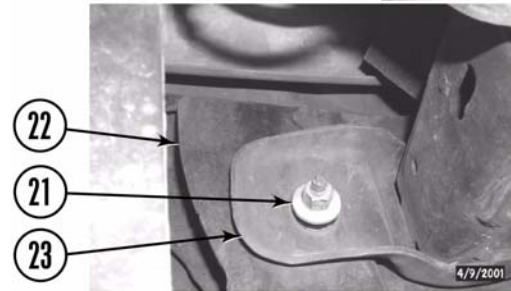
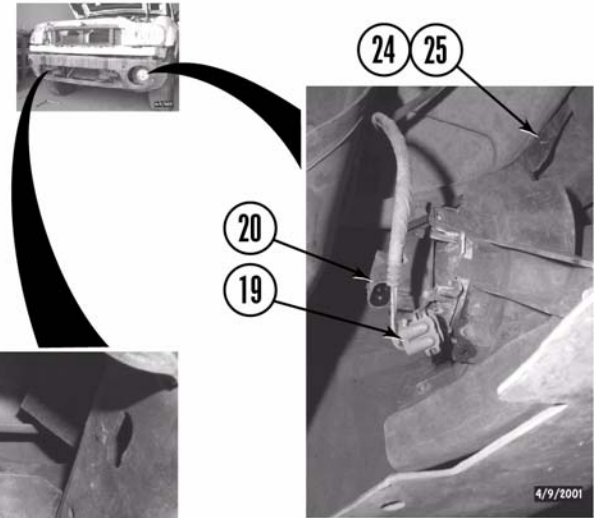
- f. Press down on five tabs (18) and remove front outer bumper (13) from core support (8) and front fenders (17).



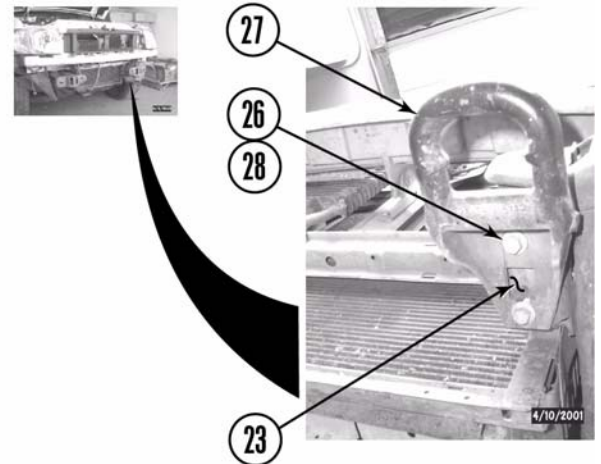
g. If so equipped, remove two connectors (19) from fog lamps (20).

h. Remove four nuts with captive washers (21) and front inner bumper (22) from frame (23).

i. Remove six bolts (24), six clip nuts (25), and two fog lamps (20) from front inner bumper (22).



j. Remove four bolts (26), two tow hooks (27), and two double nut weldments (28) from frame (23).



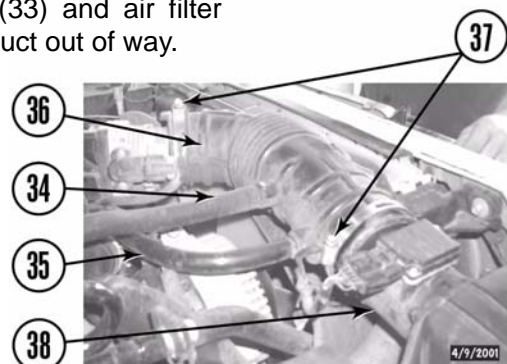
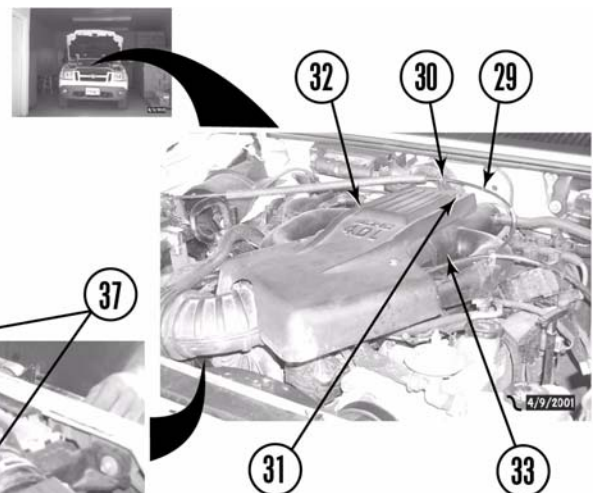
2. Under the hood.

Fuel injection.

a. Remove cable (29) from clip (30). Remove four bolts (31) and fuel injection cover (32) from throttle body (33).

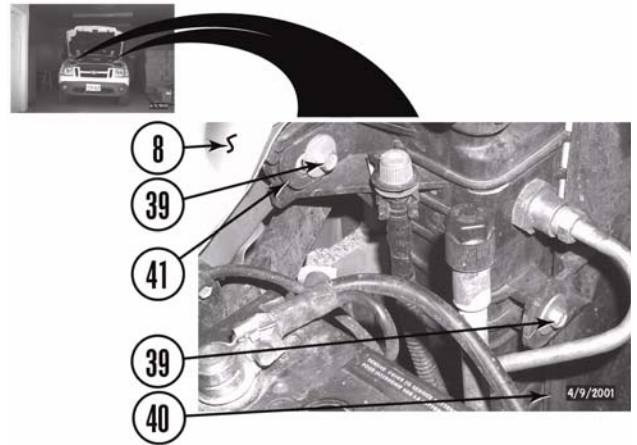
b. Remove two hoses (34 and 35) from air intake duct (36).

c. Loosen two clamps (37) and remove air intake duct (36) from throttle body (33) and air filter housing (38). Move air duct out of way.



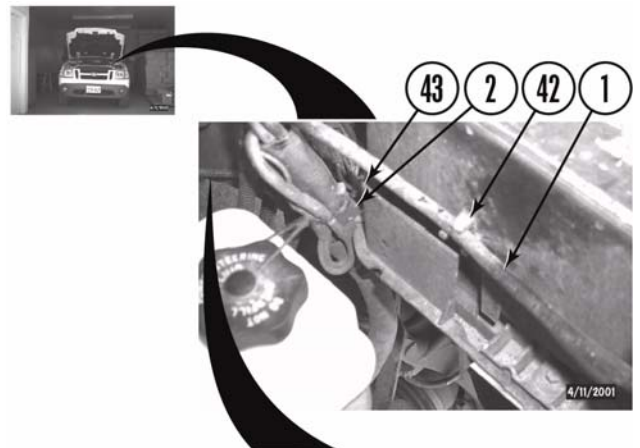
Radiator.

- d. Remove two bolts with captive washers (39) and fan shroud (40) from radiator (41). Rest fan shroud on fan.
- e. Remove two bolts with captive washers (39) and radiator (41) from core support (8). Radiator will be lowered later.



Battery cables.

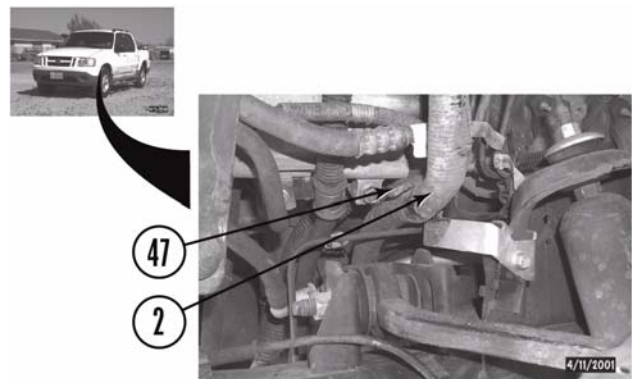
- f. Remove negative cable (1) from clip (42).
- g. Remove positive cable (2) clip from battery tray (43).



- h. Remove clamp (44) and harness (45) from driver side wheel well (46).

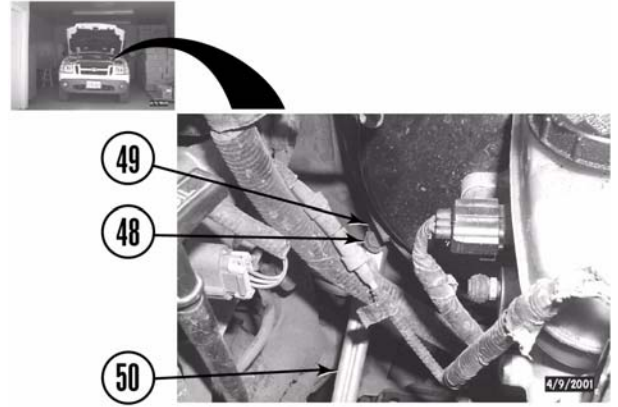


- i. Bend bracket (47) up to release positive cable (2).



Steering.

- j. Remove bolt (48) and upper steering shaft (49) from lower steering shaft (50).



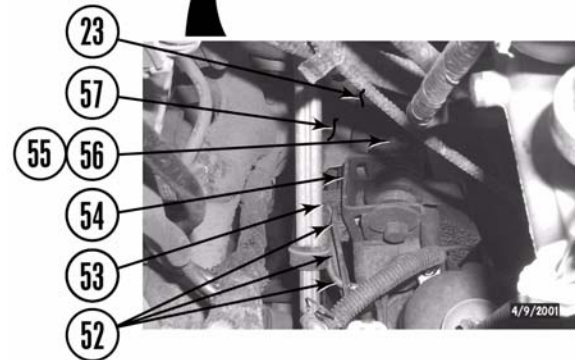
Brake and fuel lines.

- k. Remove clip (51) from three ABS lines (52).

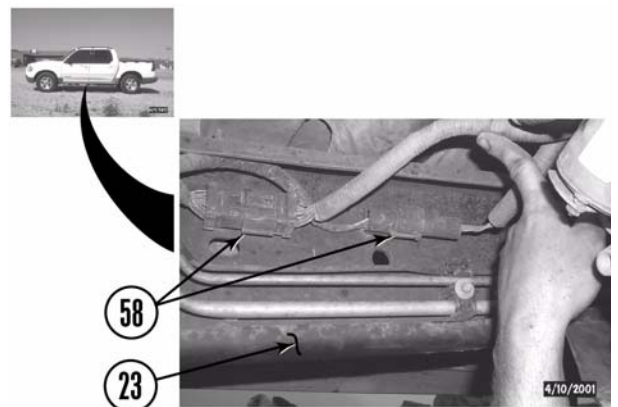


- l. Remove three ABS lines (52) from clip (53) on driver side shock tower (54).

- m. Remove two screws (55), bolt (56), and cover (57) from frame (23) driver side.

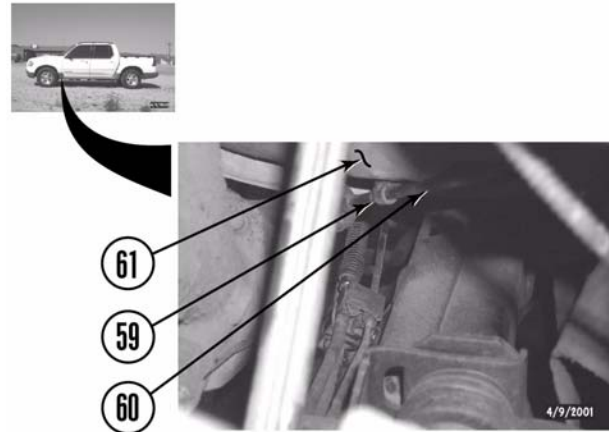


- n. Remove two clips (58) from frame (23) driver side.



Auto transmission.

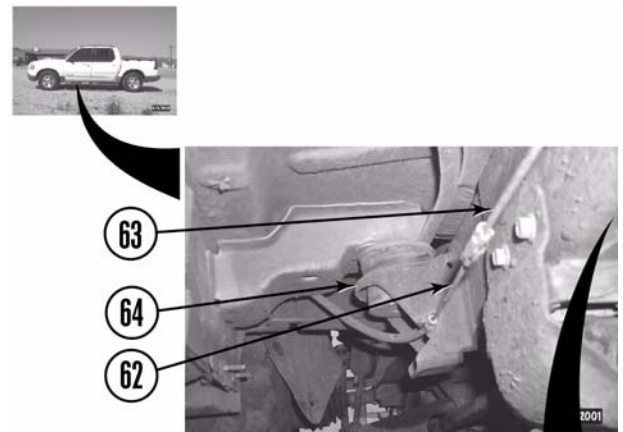
- o. Remove shift cable loop (59) and shift cable (60) from firewall (61).



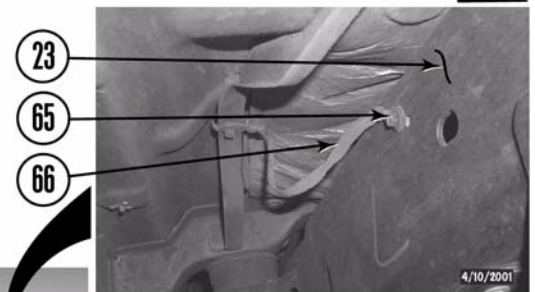
3. Under the cab/along the frame rails.

Parking brake.

- a. Pull some slack in front parking brake cable (62) and clamp cable with a vicegrip.
- b. Press locking tab and separate front part of parking brake cable (62) from rear parking brake cable (63).
- c. Remove front part of parking brake cable (62) from driver side frame mounting pad (64).



- d. Remove two bolts (65) and two ground straps (66) from frame (23) driver side and passenger side.

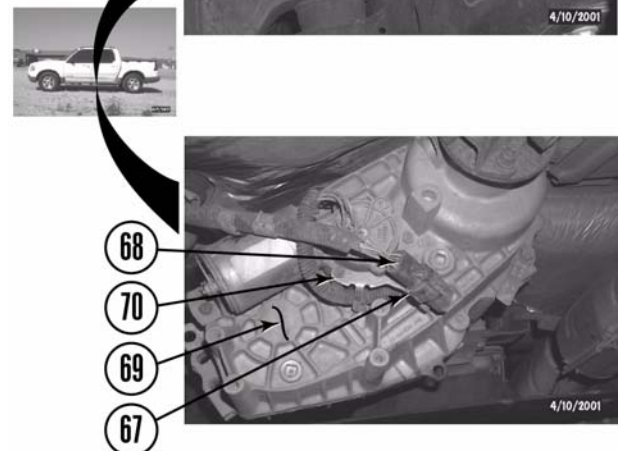


⚠NOTE

Step 4 is for automatic transmission models only. Other models skip this step.

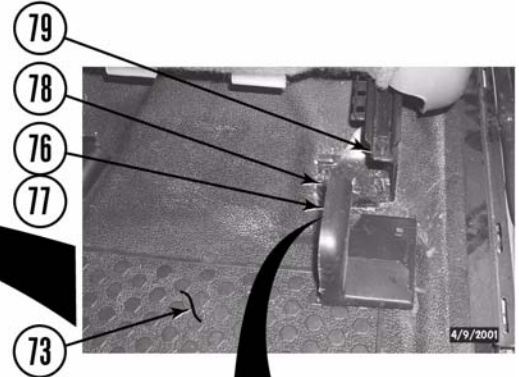
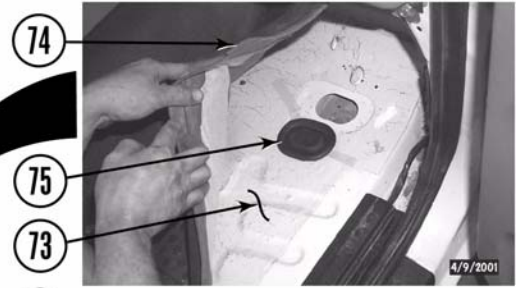
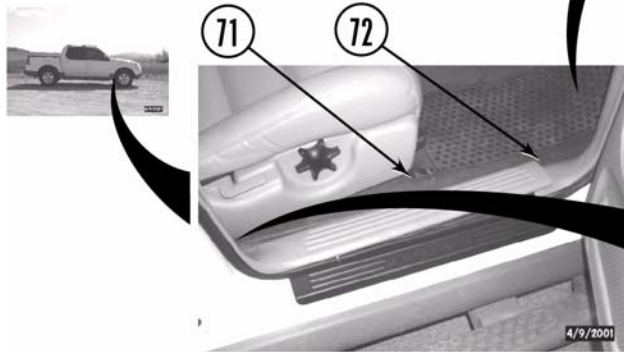
4. Transmission / transfer case.

- a. Remove oneway clip (67) and harness (68) from transfer case (69).
- b. Bend tab to release harness (68) from bracket (70).

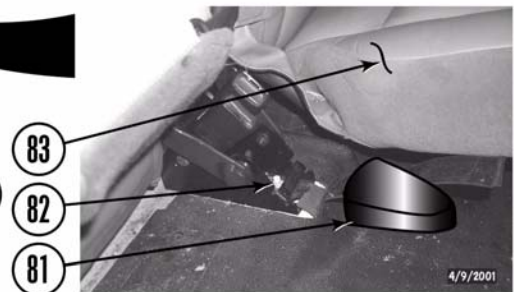
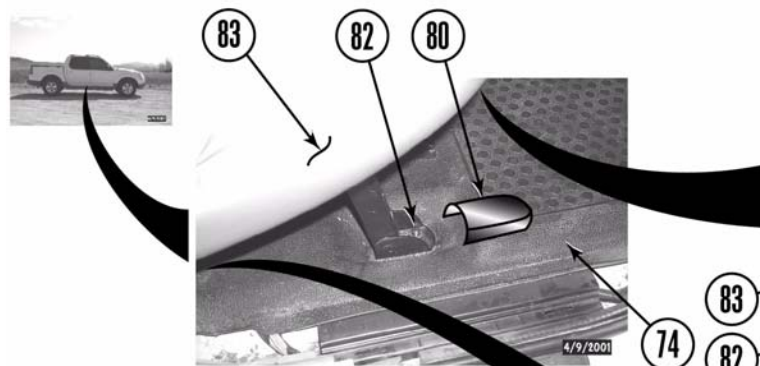


5. Inside the cab.

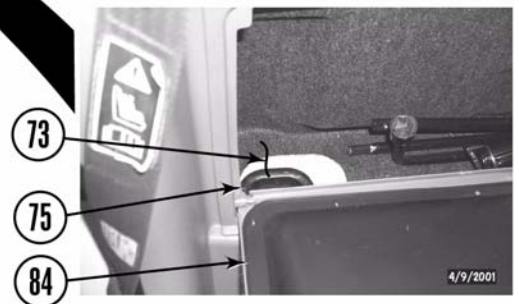
- a. Remove two scuff plates (71) and two kick panels (72) from cab floor (73).
- b. Pull carpet (74) away and remove two rubber caps (75) from front of cab floor (73).



- c. Remove four covers (76 and 77) and four nuts (78) from two front seats (79) and cab floor (73).
- d. Remove three covers (80 and 81) and three nuts (82) from two rear seats (83) and cab floor (73).
- e. Pull carpet (74) away and remove two rubber caps (75) from middle of cab floor (73).



- f. Fold rear seats (83) forward, open two doors (84), and remove jack. Remove two rubber caps (75) from cab floor (73) inside doors.

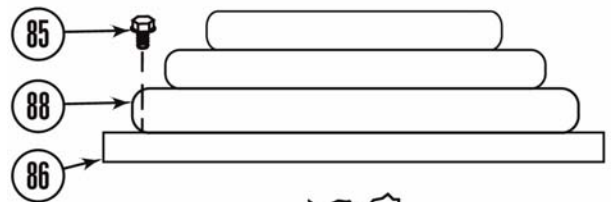
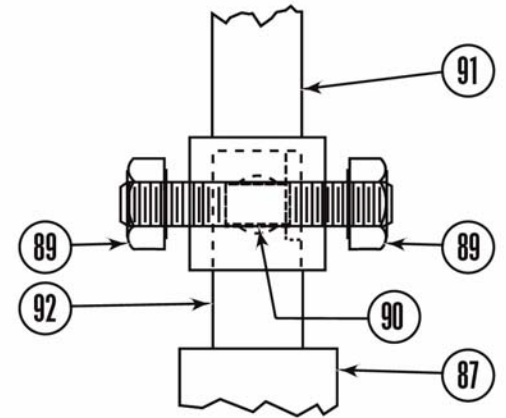
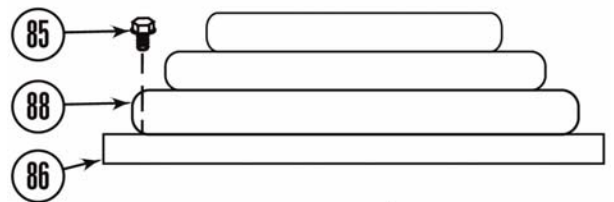


6. Manual transmission.

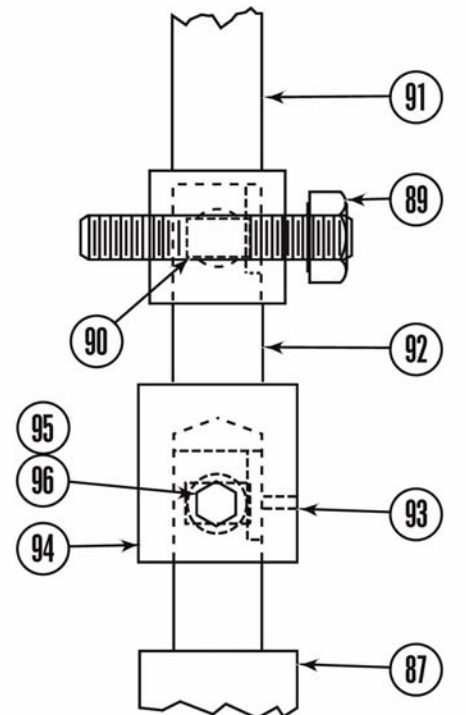
⚠NOTE

Step 6. is for manual transmission vehicles only. Manual transmission vehicles require a shift extension, part #3700, sold separately. Other models skip these steps.

- a. Remove four screws (85) and transmission shift console (86) from mounting flange (87). Pull boot (88) up and out of way.
- b. Remove nut (89) from right side of wedge stud (90). Install on left side of wedge stud and tighten to remove stud.
- c. Remove upper shift lever (91) from lower shift lever (92).



- d. Start *kit* roll pin (93) in *kit* extension (94).
- e. Install *kit* 5/16" nylock nut (95) on *kit* 5/16" x 1" bolt (96) with nylon toward head of bolt. Start bolt in *kit* extension (94).
- f. Position *kit* extension (94) on lower shift lever (92), align *kit* roll pin (93) with hole in lower shift lever, and fully install roll pin.
- g. Tighten *kit* 5/16" x 1" bolt (96) in lower shift lever (92). When bolt bottoms out, tighten *kit* nylock nut (95) against *kit* shift extension (94).
- h. Position upper shift lever (91) on *kit* extension (94) and install wedge stud (90) through slot in *kit* extension (94) and install nut (89).
- i. Position boot (88) on mounting flange (87) and install transmission shift console (86) with four screws (85).

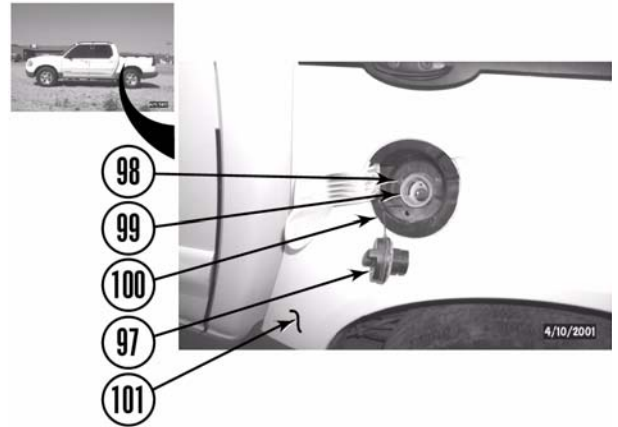


⚠WARNING

Use extreme caution when working near fuel lines and fuel tank. Clean up spilled fuel immediately. Any spark could cause an explosion or fire resulting in serious personal injury and property damage.

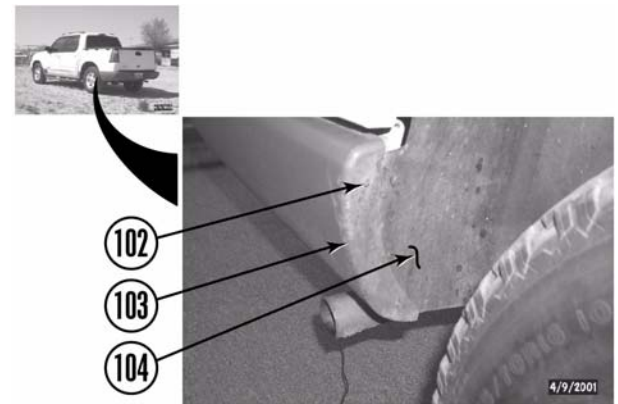
7. Remove the fuel filler.

- a. Remove gas cap (97).
- b. Remove three bolts (98) and fuel filler (99) from plastic surround (100) and bed (101).

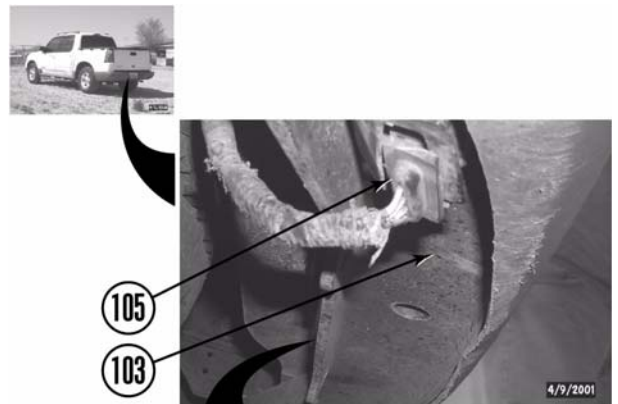


8. Rear bumper.

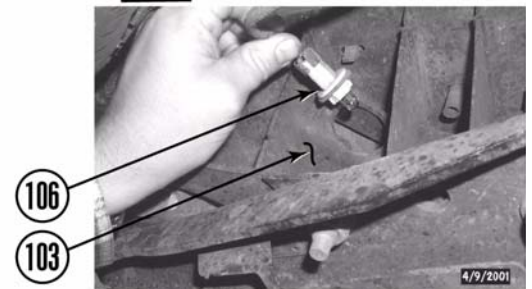
- a. Remove four screws (102) from rear bumper (103) and wheel well flaps (104).



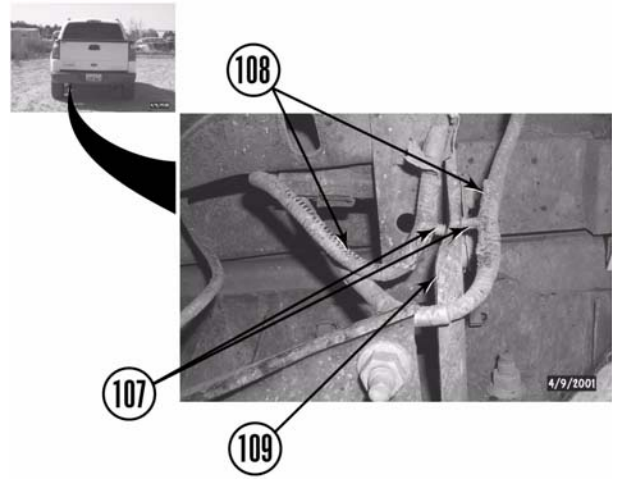
- b. If so equipped, disconnect trailer hitch connector (105) from rear bumper (103).



- c. Remove two license plate lights (106) from rear bumper (103).

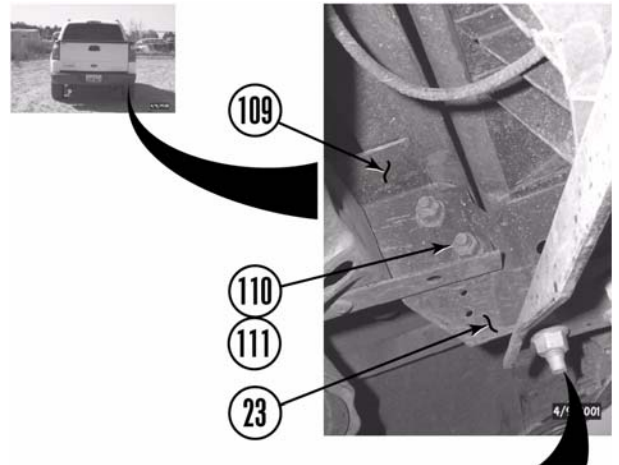


d. Remove two clips (107) and harness (108) from rear bumper bracket (109).



e. Remove four nuts (110) and two double stud fasteners (111) from two rear bumper brackets (109) and frame (23).

f. Remove two rear bumper brackets (109) and rear bumper (103) from frame (23).



g. Remove six nuts with captive washers (112) and two bumper brackets (109) from rear bumper (103).



C. Install the kit.

1. Prepare to lift cab from frame.

⚠WARNING

Failure to replace the OEM body mounting hardware (except mounting bolts in the kit) in the stock locations could result in serious personal injury or damage to the vehicle.

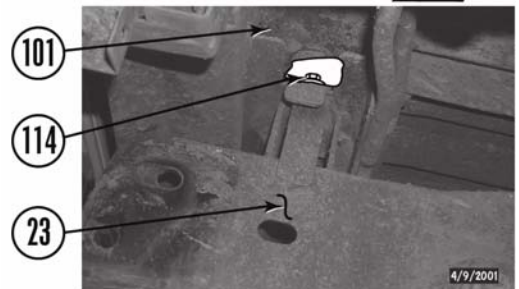
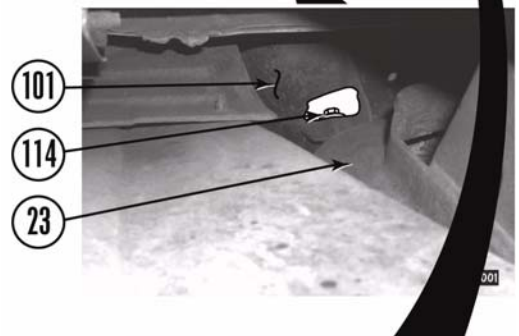
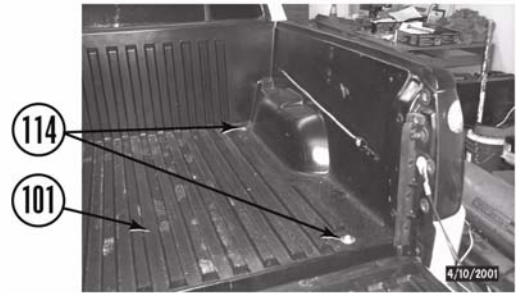
- a. Measure distance between the cab (113) and the bed (101). Record measurement for later cab to bed alignment reference in these instructions.

⚠NOTE

Ford uses an extremely cohesive thread locker on cab and bed mounting bolts. This is no problem on the bed and core support mounting points, but the six cab mounting bolts screw into the lower bushings and with the thread locker these are difficult to remove. You will need a friend with a big pair of channel locks to hold the lower bushings while you unscrew the cab mounting bolts. You will encounter much resistance from the thread locker the whole time you are turning the bolts, and air tools really don't work well on this application. You need a T-55 Torx head socket to remove the bed mounting bolts.

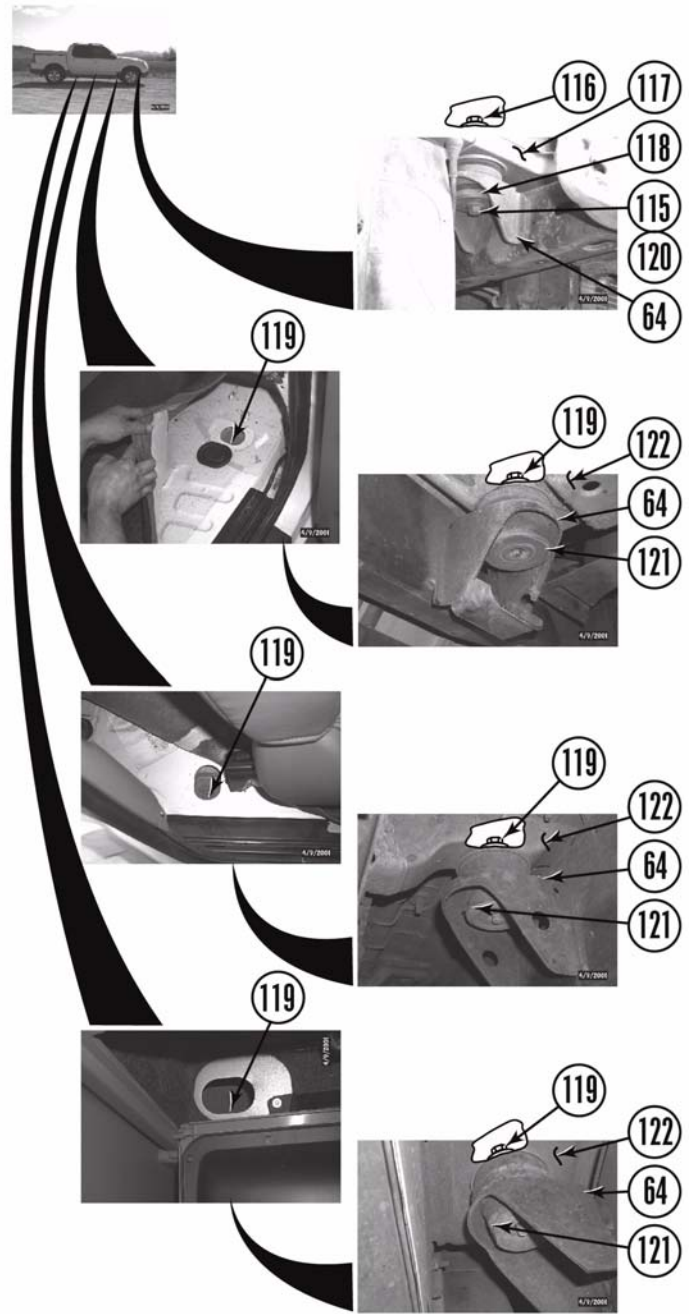
Bed.

- b. Remove four bed mounting bolts (114) from bed (101) and frame (23).
- c. Slide bed (101) back from cab (113) approximately 1 foot until front of bed clears the plastic (115) on the cab (113) bottom. Ensure fuel filler (99) does not hang up on bed. Support rear of bed so it doesn't slide off frame (23).



Cab.

- d. Hold nuts (115) and loosen but do not remove two cab mounting bolts with captive washers (116) from core support (8) and driver side, passenger side frame mounting pads (64).
- e. Hold bottom bushings (118 & 121) and loosen but do not remove six cab mounting bolts with captive washers (119).



⚠WARNING
Use extreme caution when lifting body from frame. Ensure lifting device is securely placed. Keep hands out from between frame and body, or serious personal injury could result.

⚠CAUTION
Continually check hoses, wires, lines, etc. to be sure that everything is flexing properly and not binding, or damage to the vehicle could result. **Be especially careful of the ABS lines on top of the driver side wheel well. Bending the lines a little at a time while lifting will be necessary. Be extremely careful not to kink the lines.**

⚠NOTE
Ensure stock spacers and body mounting pads stay on vehicle unless otherwise specified in these instructions. *Kit* spacer blocks are installed in addition to the stock spacers and body mounting pads.

- f. Remove bolt with captive washer (116), bottom bushing (118), nut (115), and washer (120) from the passenger side core support (8) and passenger side frame mounting pad (64).
- g. Remove bolt with captive washer (119) and bottom bushing (121) from the front passenger side frame mounting pad (64) and cab (113).
- h. Remove bolt with captive washer (119) and bottom bushing (121) from the middle passenger side frame mounting pad (64) and cab (113).
- i. Remove bolt with captive washer (119) and bottom bushing (121) from rear passenger side frame mounting pad (64) and cab (113).

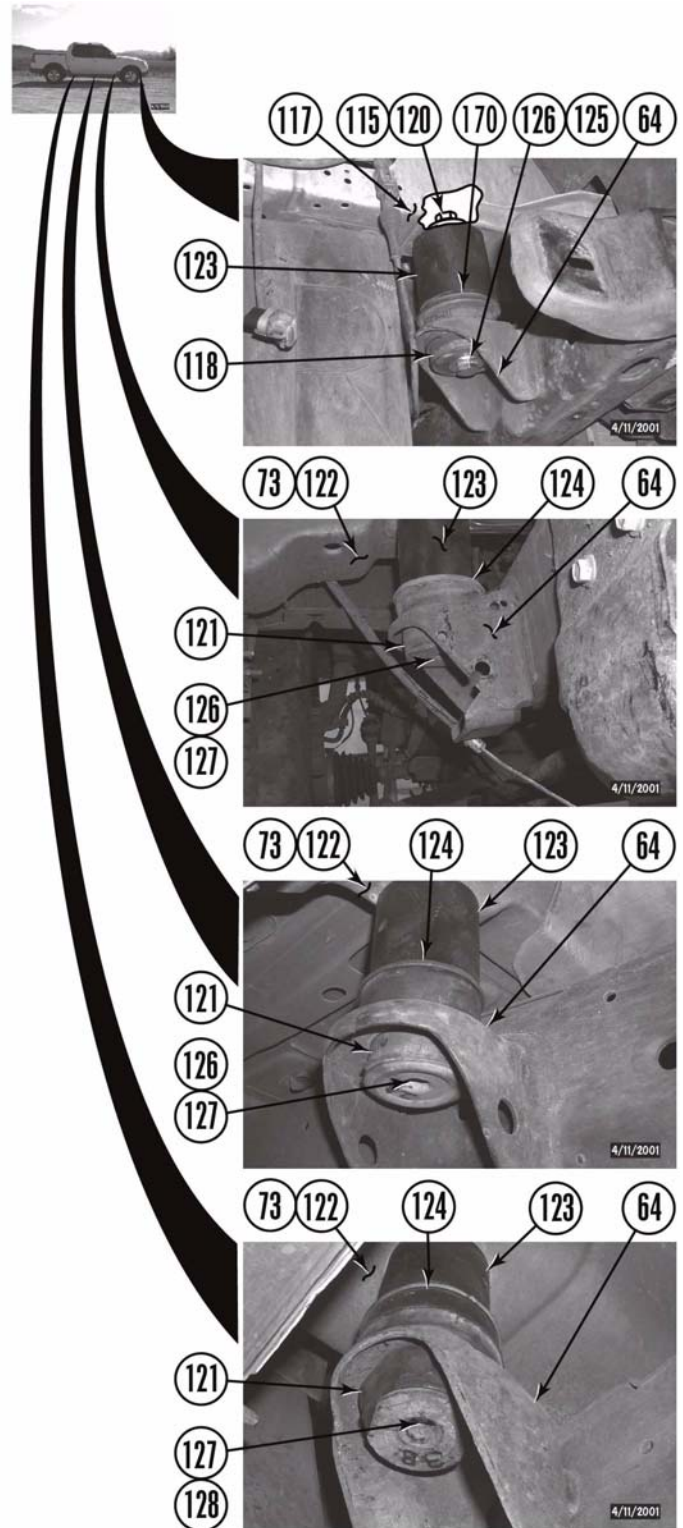
2. Lift cab and install cab passenger side spacer blocks.

- a. Using a hydraulic jack and a wooden block, slowly lift the cab (113) passenger side just high enough to position the *kit* 3" x 3" spacer blocks (123) between the core support (8) and top bushings (124) on the frame mounting pads (64).

⚠ CAUTION

ONLY DRILL OUT FRONT CORE SUPPORT TOP AND LOWER BUSHINGS as directed in the following procedure. Core support mounts are forward most cab mounts. Drilling any other cab mount bushings will not allow for proper installation of kit.

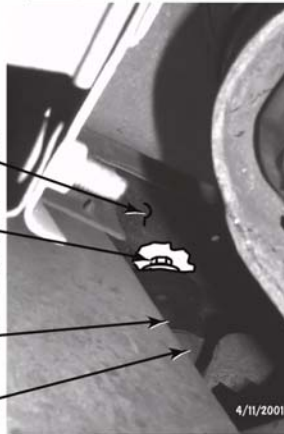
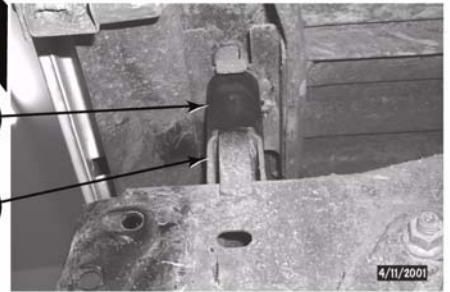
- b. Using a 1/2" drill bit, drill the threads out of the core support top and bottom bushings (170 and 118) ONLY. Position drilled top bushing back on passenger side core support (8).
- c. Position four *kit* spacer blocks (123) on top of top bushings (124) on the passenger side frame mounting pads (64).
- d. Install a *kit* 12 x 1.75 x 180mm bolt (125) and *kit* 7/16" USS washer (126) through the drilled bottom bushing (118), frame mounting pad (64), drilled top bushing (170), *kit* spacer block (123), cab passenger side core support (8), washer (120), and nut (115). Do not tighten.
- e. Install a *kit* 12 x 1.75 x 140mm bolt (127) and *kit* 7/16" USS washer (126) through the cab floor (73), *kit* spacer block (123), top bushing (124), frame mounting pad (64), and bottom bushing (121). Do not tighten.
- f. Install a *kit* 12 x 1.75 x 140mm bolt (127) and *kit* 7/16" USS washer (126) through the cab floor (73), *kit* spacer block (123), top bushing (124), frame mounting pad (64), and bottom bushing (121). Do not tighten.
- g. Install a *kit* 12 x 1.75 x 160mm (128) and *kit* 7/16" USS washer (127) through the cab floor (73), *kit* spacer block (123), top bushing (124), frame mounting pad (64), and bottom bushing (121). Do not tighten.
- h. Lower cab (113) on the *kit* spacer blocks (123).



3. Install the cab driver's side spacer blocks.

- a. Repeat steps C. 1. f. through j. and C. 2. a. through h. for the cab driver's side.

4. Finish the cab spacer block installation.
 - a. Adjust cab to bed clearance using the measurements from step C. 1. a.
 - b. Remove eight bolts (125, 127, and 128) one at a time, coat threads with Loctite®, and install. Tighten to 55 lb-ft.
5. Install the bed passenger's side spacer blocks.
 - a. Lift the bed (101) passenger's side just high enough to position *kit* 3" x 3" spacer block (123) and *kit* 2" x 3" spacer block (129) on the frame mounting pads (64).
 - b. Lower the bed (101) onto the spacer blocks (123 and 129).
 - c. Install two *kit* 1 3/4" thick washers (130) and *kit* 12mm x 1.75 x 180mm bolts (131) in the bed (101), *kit* spacer blocks (123 and 129), and the frame mounting pads (64). Do not tighten.
6. Install the bed driver's side spacer blocks.
 - a. Repeat steps C. 5 a. through d. for the bed driver's side.
7. Finish the bed spacer block installation.
 - a. Adjust the cab to bed clearance using the measurements from step C. 1. a.
 - b. Remove four bed mounting bolts (131) one at a time, coat threads with Loctite®, and reinstall. Tighten to 55 lb-ft.

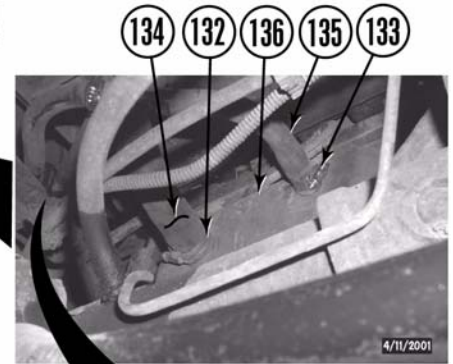


⚠WARNING

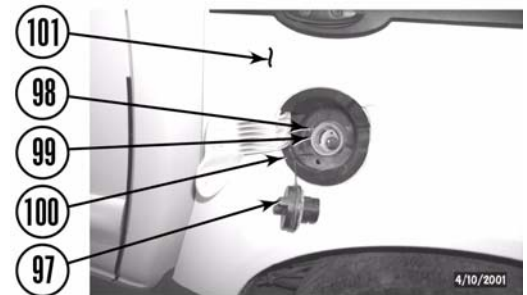
Use extreme caution when working near fuel lines and fuel tank. Clean up spilled fuel immediately. Any spark could cause an explosion or fire resulting in serious personal injury and property damage.

8. Install fuel filler.

- a. Remove two clamps (132 and 133), filler hose (134), vent hose (135), and fuel filler (99) from gas tank (136).
- b. Loosen two clamps (132 and 133) and move filler hose (134) and vent hose (135) 1/2" down fuel filler (99). Tighten clamps.
- c. Install vent hose (135) and filler hose (134) on gas tank (136) with two clamps (132 and 133).

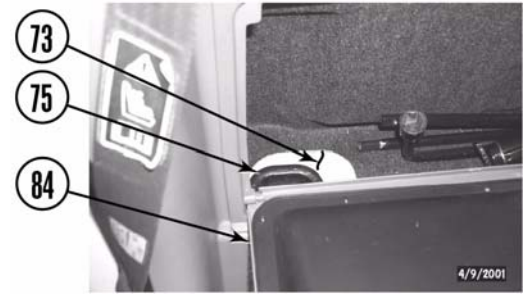


- d. Install fuel filler (99) and plastic surround (100) on bed (101) with three bolts (98).
- e. Install gas cap (97).

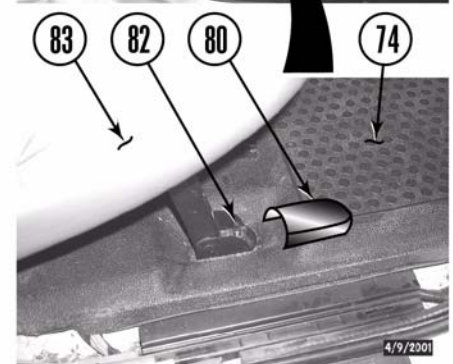
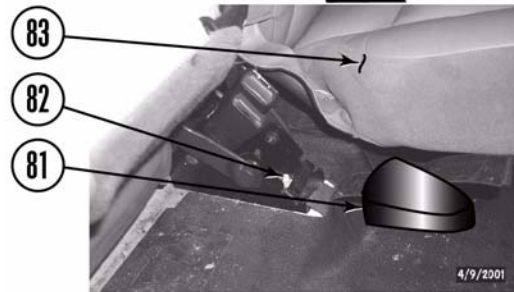
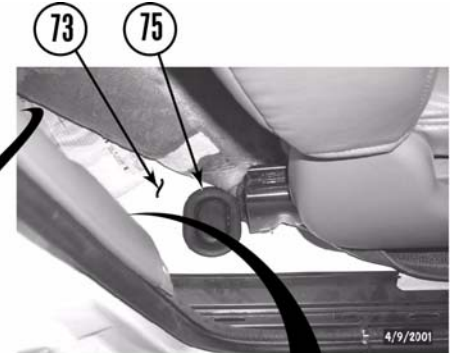


9. Inside the cab.

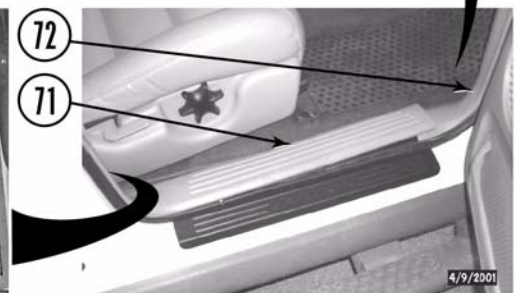
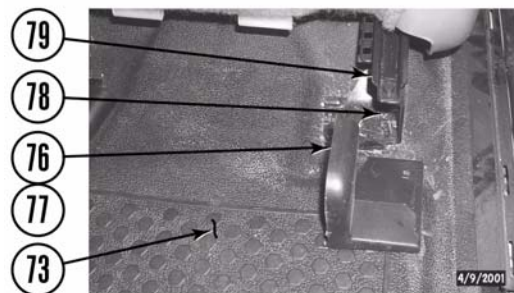
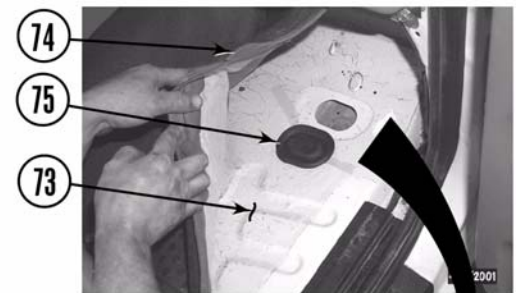
- a. Install two rubber caps (75) on cab floor (73).
Replace jack and close two doors (84).



- b. Install two rubber caps (75) in middle of cab floor (73).
- c. Fold rear seats (83) back and smooth carpet (74) to it's original position.
- d. Install two rear seats (83) on cab floor (73) with three nuts (82) and install three covers (80 and 81).

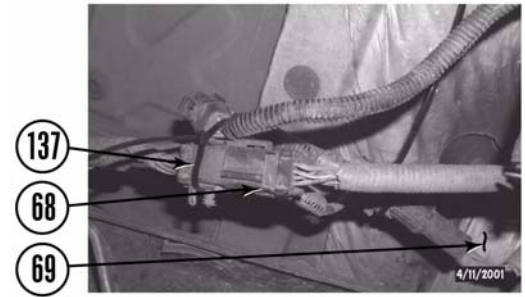


- e. Install two rubber caps (75) in front of cab floor (73).
- f. Install two front seats (79) on cab floor (73) with four nuts (78) and install four covers (76 and 77).
- g. Smooth carpet (74) to it's original position and install two scuff plates (71) and two kick panels (72) on cab floor (73).



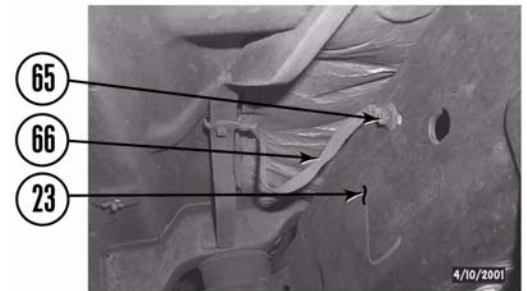
10. Under the cab.

- a. Install a *kit* zip tie (137) around harness (68) on transfer case (69) as shown.



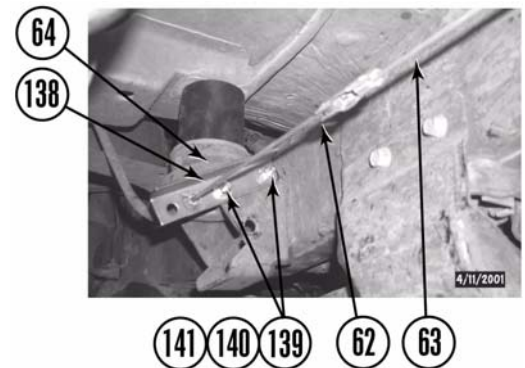
11. Along the frame rails.

- a. Install two ground straps (66) on frame (23) driver side and frame passenger side (65) with two bolts.



12. Parking brake.

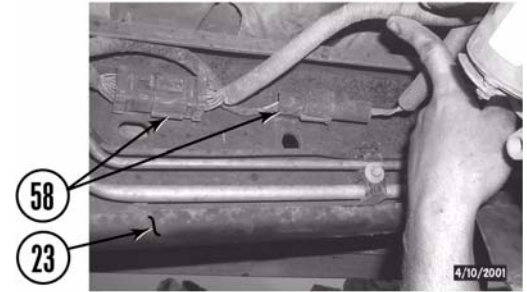
- a. Using *kit* parking brake bracket (138) as a template, drill two 5/16" holes on frame driver side mounting pad (64) as shown.
- b. Install *kit* parking brake bracket (138) on frame driver side mounting pad (64) with two *kit* 5/16" x 1" bolts (139), four *kit* 5/16" USS washers (140), and two *kit* 5/16" nylock nuts (141).
- c. Route front parking brake cable (62) through the biggest hole in the *kit* parking brake bracket (138) as shown.
- d. Pull some slack in front parking brake cable (62) and clamp cable with a vicegrip.
- e. Reconnect the front cable to the rear cable (63) and press in locking tab.



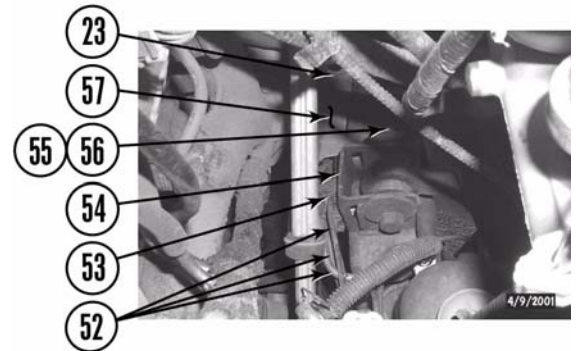
13. Under the hood.

Brake and fuel lines.

- a. If possible, install two clips (58) on frame (23) driver side.



- b. If possible, install cover (57) on frame (23) driver side with bolt (56) and two screws (55).
- c. If possible, install three ABS lines (52) in clip (53) on driver side shock tower (54).

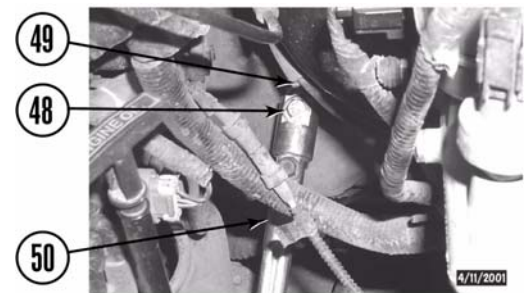


- d. If possible, install clip (51) on three ABS lines (52).



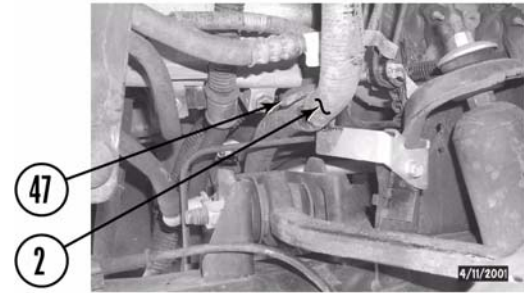
Steering extension.

- e. Position *kit* steering extension (142) in lower steering shaft (50) and tighten bolt (49).
- f. Slide *kit* steering extension (142) up onto upper steering shaft (48) and install *kit* 3/8" x 1 1/2" bolt (143), two kit 3/8" SAE washers (144), and *kit* 3/8" nylock nut (145).



Battery cables.

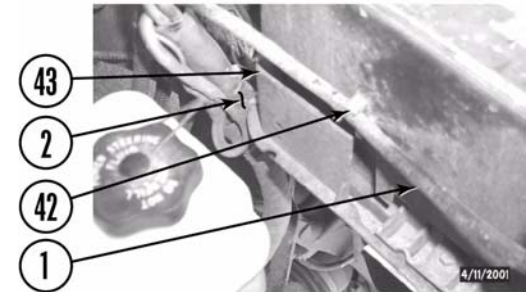
- g. If possible, bend bracket (47) to capture positive cable (2).



- h. If possible, install clamp (44) and harness (45) on driver side wheel well (46).



- i. If possible, install positive cable (2) clip on battery tray (43).



- j. If possible, install negative cable (1) in clip (42).

Radiator.

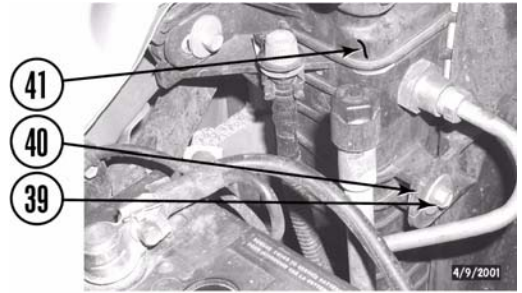
⚠NOTE

You may wish to drain radiator at this point if radiator will be easier for you to handle.

- k. Lift radiator (41) off of core support (8).
- l. Install two *kit* radiator brackets (146) on core support (8) with two bolts with captive washers (39). Do not tighten.
- m. Install radiator (41) on two *kit* radiator brackets (146) with two *kit* 1/4" SAE washers (147) and *kit* 1/4" nylock nuts (148). Do not tighten.



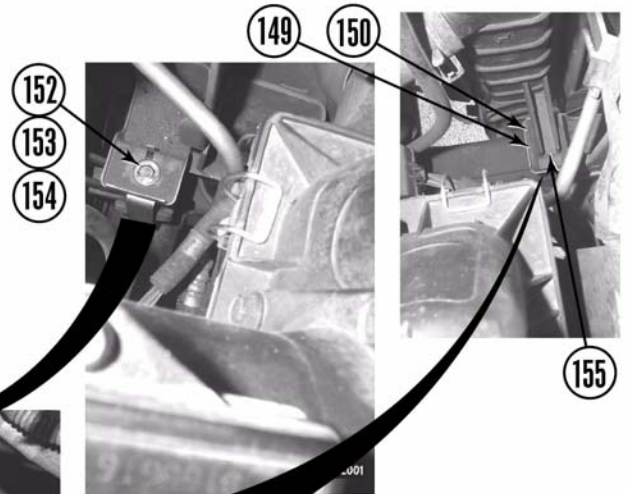
n. Install fan shroud (40) on radiator (41) with two bolts with captive washers (39). Do not tighten.



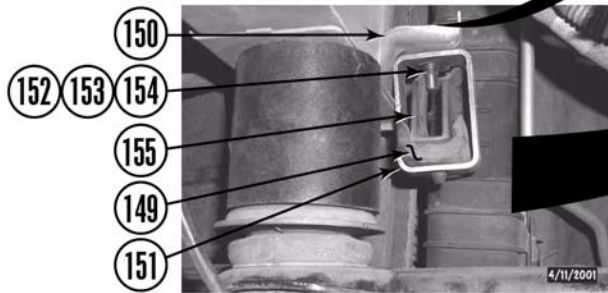
o. Remove two rubber bushings (149) from core support mounts (150).

p. Install two rubber bushings (149) in *kit* fan shroud mounting brackets (151).

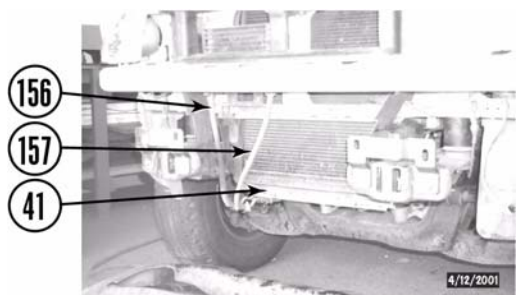
q. Install two *kit* fan shroud mounting brackets (151) on core support mounts (150) with two *kit* 5/16" clip nuts (152) (attached), *kit* 5/16" SAE washers (153) and *kit* 5/16" x 1" bolts (154). Ensure radiator mounting tabs (155) are positioned inside kit fan shroud mounting brackets. Do not tighten.



r. Check fan to fan shroud clearance. Ensure gap is the same all around shroud and tighten bolts (39 and 154) and nuts (148).



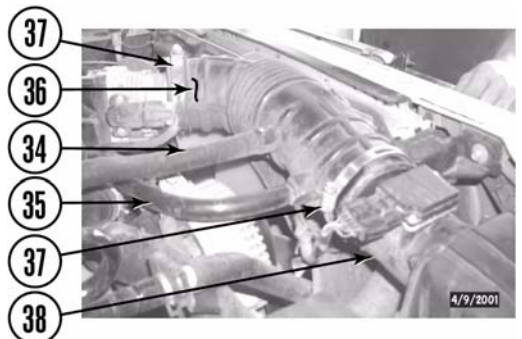
s. Carefully bend two hard lines (156 and 157) to ensure they do not contact bottom of radiator (41).



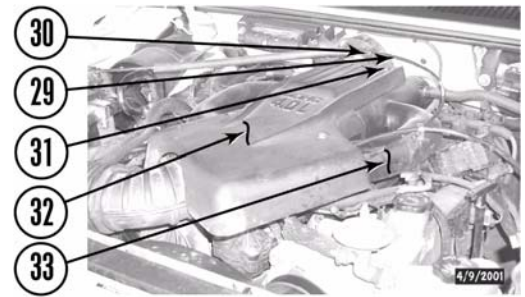
Fuel injection.

t. Position air intake duct (36) on air filter housing (38) and throttle body (33) and tighten two clamps (37).

u. Install two hoses (34 and 35) on air intake duct (36).



- v. Install fuel injection cover (32) on throttle body (33) with four bolts (31). Install cable (29) in clip (30).

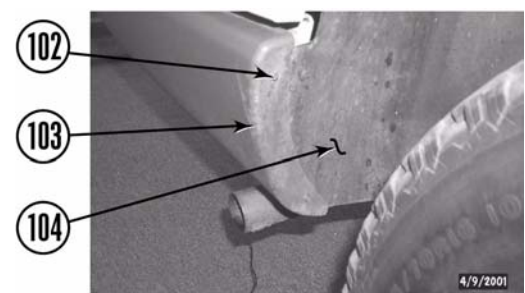
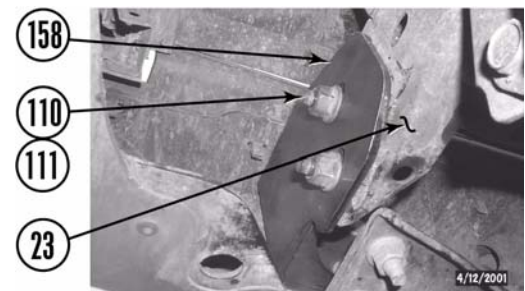
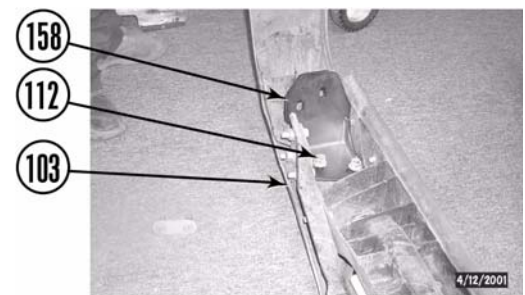


⚠WARNING

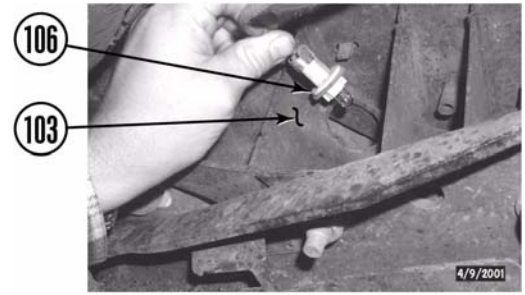
The following procedure is intended only to enhance the appearance of the vehicle. The rear bumper will no longer be rated for towing of any kind. Towing with the rear bumper after it has been lifted can result in death, serious personal injury, or damage to the vehicle. Towing after the bumper has been lifted should be accomplished using a rated Class III receiver type hitch.

14. Install the rear bumper.

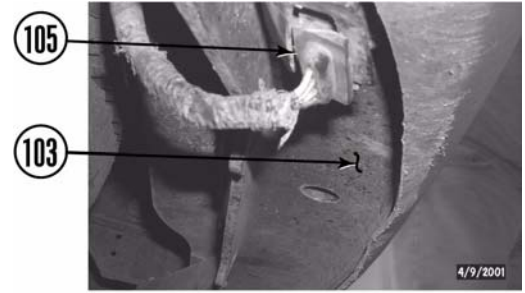
- a. Cut bottoms of two frame (23) rails at approximately a 50° angle as shown.
- b. Coat threads of four nuts (110) and six nuts with captive washers (112) with Loctite®.
- c. Install two *kit* rear bumper brackets (158) on rear bumper (103) with six nuts with captive washers (112).
- d. Install two *kit* rear bumper brackets (158) on frame (23) with two double stud fasteners (111) and four nuts (110). Do not tighten.
- e. Install wheel well flaps (104) on rear bumper (103) with four screws (102).
- f. Adjust bumper to body clearance and tighten nuts (110) to 55 lb-ft.



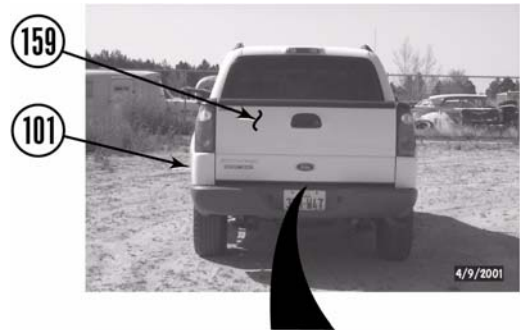
g. Install two license plate lights (106) in rear bumper (103).



h. If removed, connect trailer hitch connector (105) on rear bumper (103).



i. Remove tailgate (159) from bed (101).



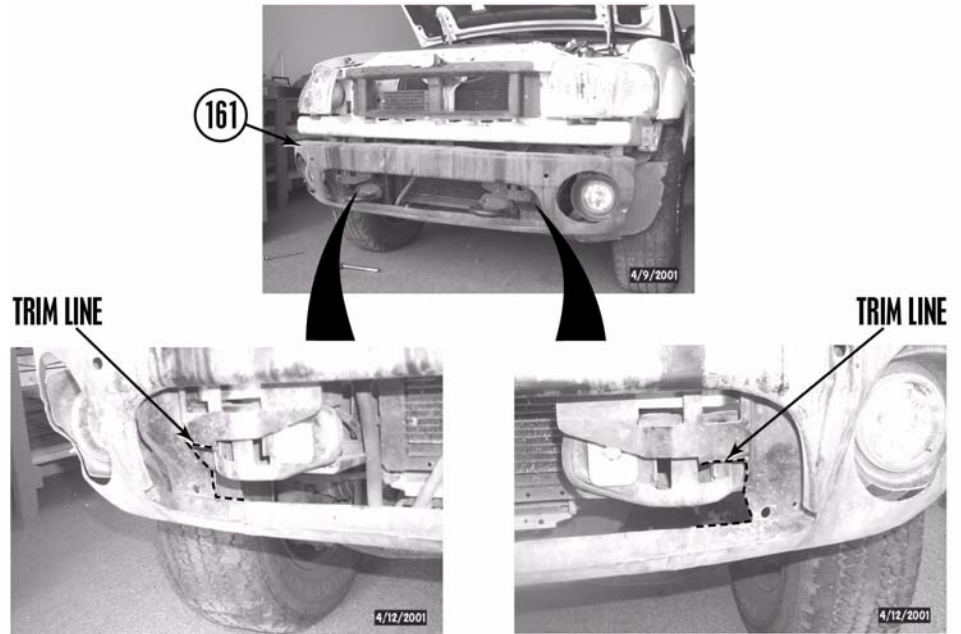
j. Push up on gap guard (160) between bed (101) and rest on rear bumper (103). Drill 1 1/16" hole as shown for spare tire crank.



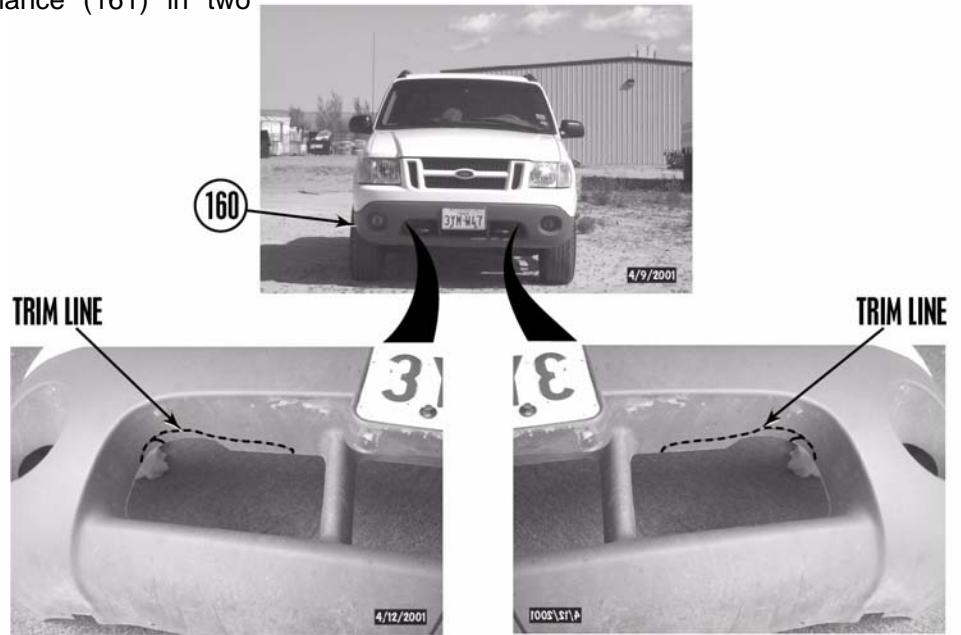
k. Install tailgate (159) on bed (101).

15. Install the front bumper.

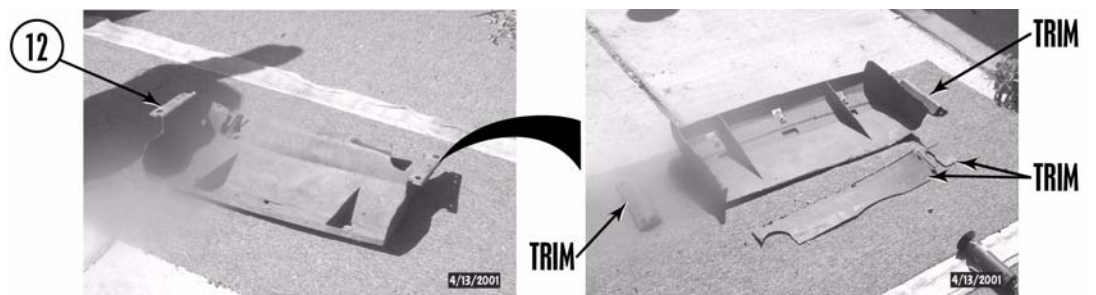
- a. Trim the two front inner bumper (22) crush zones as shown.



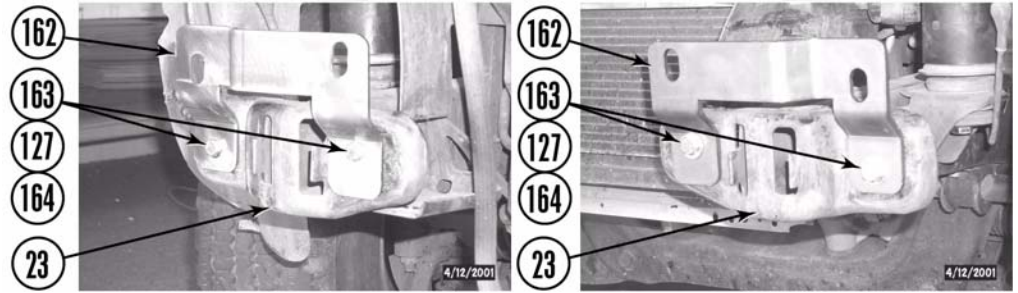
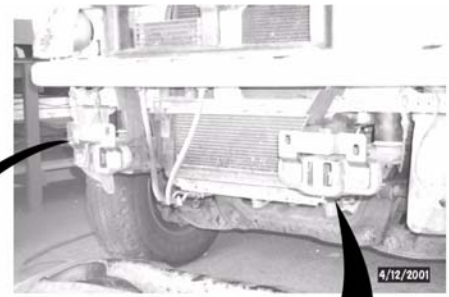
- b. Trim the front bumper valance (161) in two places as shown.



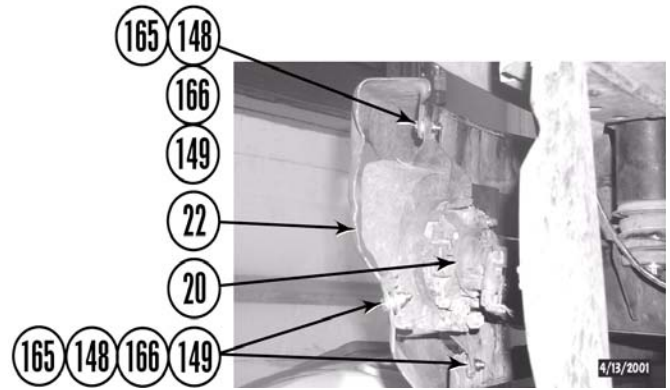
- c. Trim the skid plate (12) as shown.



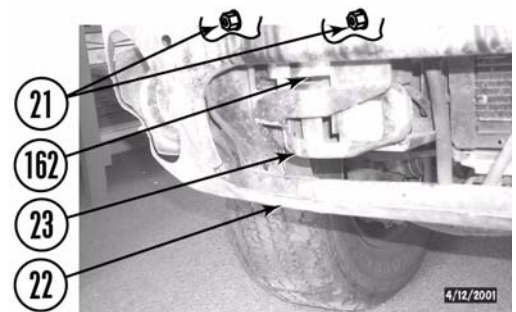
- d. Coat threads of bolts (163) and nuts (21 and 163) with Loctite®.
- e. Install two *kit* front bumper brackets (162) on frame (23) as shown with four *kit* 7/16 x 1 1/2" bolts (163), eight *kit* 7/16" USS washers (127), and four *kit* 7/16" nylock nuts (164). Do not tighten.



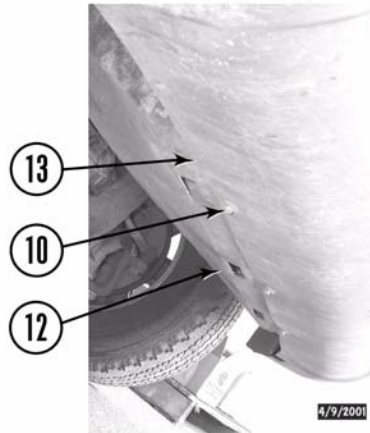
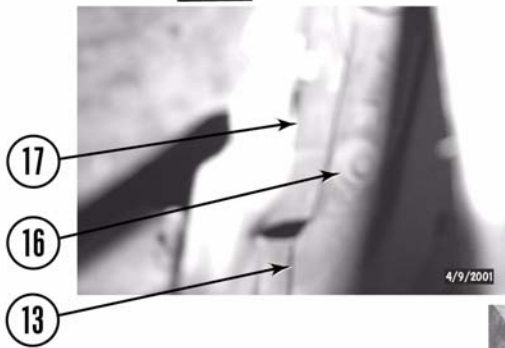
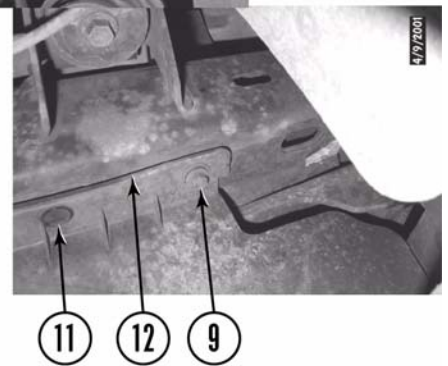
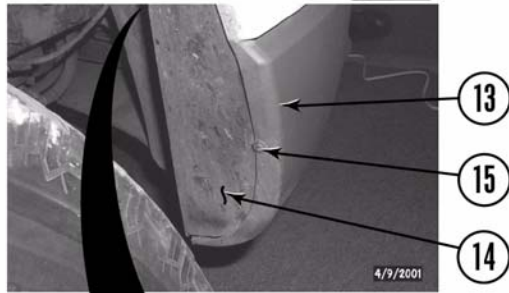
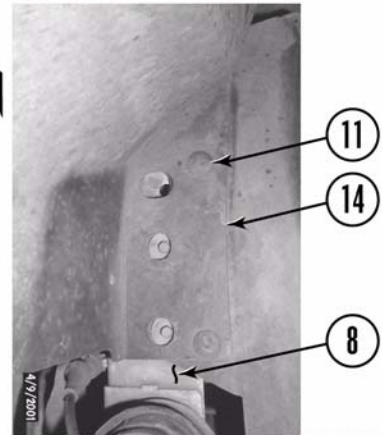
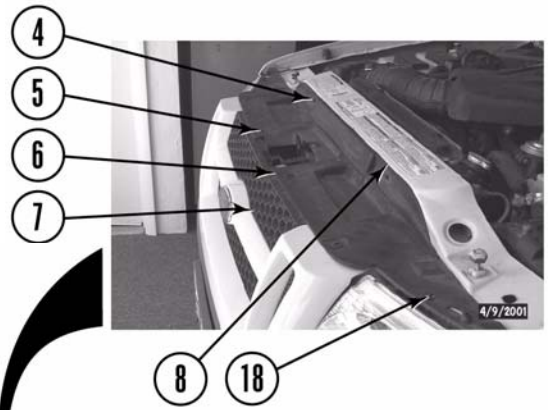
- f. Install two fog lamps (20) on front inner bumper (22) with six *kit* 1/4 x 1" bolts (165), twelve *kit* 1/4" SAE washers (148), six *kit* nylon spacers (166), and six *kit* 1/4" nylock nuts (149).



- g. Install front inner bumper (22) on frame (23) and *kit* brackets (162) with four nuts with captive washers (21). Do not tighten.



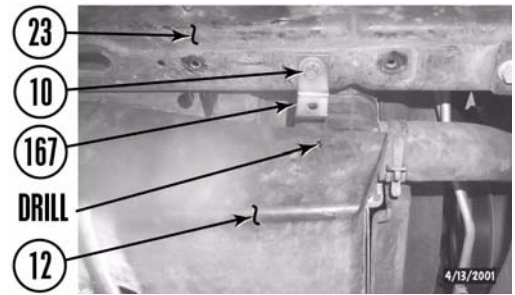
- h. Position front outer bumper (13) on vehicle. Ensure five tabs (18) are fully engaged.
- i. Install front outer bumper (13) on front fenders (17) with two bolts with captive washers (16). Do not tighten.
- j. Install front outer bumper (13) on wheel well flaps (14) with six screws (15). Do not tighten.
- k. Install four panel clips (11) on wheel well flaps (14) and core support (8).
- l. Adjust bumper to body clearance and tighten bolts (163) and nuts (21 and 164) to 55 lb-ft.
- m. Tighten screws (15) and bolts (16) until snug.
- n. Install skid plate (12) on front outer bumper (13) with three bolts (9).



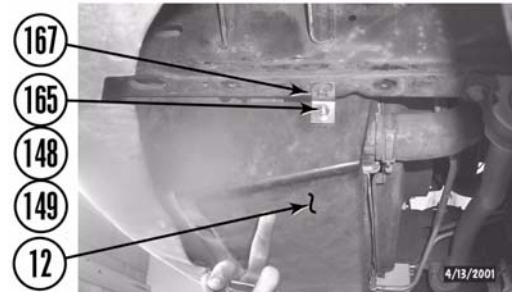
- o. Install radiator shroud (6) on grille (7) and core support (8) with two bolts (4) and four screws (5).

p. Install two *kit* brackets (167) on frame (23) with two bolts (10) as shown.

q. Drill two 5/16" holes in skid plate (12) as shown.



r. Install skid plate (12) on two *kit* brackets (167) with two *kit* 1/4 x 1" bolts (165), four *kit* 1/4"SAE washers (148), and two *kit* 1/4" nylock nuts (149).



D. After installation is complete.

1. Connect both battery cables to the battery (3). Be sure to reconnect the positive cable (2) first, then the negative cable (1).



2. Stick *kit* warning sticker on the dash in plain sight of all vehicle occupants.

3. Double check the vehicle.

⚠CAUTION

Retorque all fasteners after 500 miles and after off road use. All body lift components should be visually inspected and fasteners retorqued during routine vehicle servicing.

a. Check all mounting hardware to ensure it is properly tightened.

b. Check all wires, hoses, cables, etc. to ensure they have been properly connected and there is ample slack. With the number of hoses on this vehicle, it is vital that this be checked thoroughly.

c. Check vehicle electrical system.

- d. Start vehicle and check the steering in both directions to ensure that there is no bind. Check clutch operation. Check the operation of the brake system and the parking brake. Check both shift levers' operation. Ensure that there is proper engagement in all gears and 4 wheel drive ranges.

⚠CAUTION

Never open a closed cooling system after the vehicle has been started. Only fill the cooling system if the cap has been removed while the vehicle was still cold.

- e. Check coolant level. Fill coolant to the proper level (refer to the Owner's Manual).
- f. Test drive vehicle in all gears and 4 wheel drive ranges. Pay close attention to all vehicle systems. Check all hardware again in 500 miles and as part of your regular maintenance schedule.

⚠CAUTION

Performance Accessories does not recommend any particular wheel and tire combinations for use with its body lifts and cannot assume responsibility for the customer's choice of wheels and tires. Reference your owner's manual for recommended tire sizes and warnings related to the use of oversized tires. Larger wheel and tire combinations increase stress and wear on steering and suspension components, which leads to increased maintenance and higher risk for component failure. Larger wheel and tire combinations also alter speedometer calibration, braking effectiveness, center of gravity, and handling characteristics. Consult with an experienced local off road shop to find what wheel and tire combinations work best with your vehicle.

⚠NOTE

All warranty information, instruction sheets, and other documents regarding the installation of this product must be retained by the vehicle owner. Information contained in the instructions and on the warranty card will be required for any warranty claims. The vehicle owner needs to understand the modifications made to his vehicle and how they affect vehicle handling and performance. Failure to provide the customer with this information can result in damage to the vehicle and severe personal injury.

E. Kit Parts List.

Quantity	Kit	Description
10		3 x 3" blocks
2		2 x 3" blocks
2		Front bumper brackets
2		Rear bumper brackets
2		Rectangular radiator brackets with clip nuts
1		Warning to driver sticker
1		Logo sticker
1		6ml bottle Loctite
1		Bolt pack BP70023
	6	12mm x 1.25 x 180mm bolts
	2	12mm x 1.25 x 160mm bolts
	4	12mm x 1.75 x 140mm bolts
	8	7/16" USS washers
	4	1 3/4" thick washers
	1	SE3500 steering extension
	1	3/8" x 1 1/2" bolt
	2	3/8" SAE washers
	1	3/8" nylock nut
	1	parking brake bracket
	2	5/16" x 1" bolts
	4	5/16" USS washers
	2	5/16" nylock nuts
1		Hardware pack HP70023
	Bolts	
	4	7/16" x 1 1/2" bolts
	4	5/16" x 1" bolts
	8	1/4" x 1" bolts
	Washers	
	8	7/16" USS washers
	2	5/16" USS washers
	2	5/16" SAE washers
	18	1/4" SAE washers
	Nuts	
	4	7/16" nylock nuts
	10	1/4" nylock nuts
	Miscellaneous	
	6	fog light nylon spacers
	2	3" long stud radiator brackets
	2	L-shaped brackets
	1	Zip tie