

24. Reattach transmission linkages, top first then bottom. Check shifter operation.

25. Start vehicle. Check steering from left to right to make sure it doesn't bind. If you do have a bind, it may be necessary to notch the firewall slightly in order to drop the steering column down and improve the angle. Try shifter in all gears for full engagement. The floor board may require trimming and/or relocating shifter boot in order to fully engage all the gears.

POST-INSTALLATION NOTES



WARNING

1. Check all fasteners for proper torque before driving the vehicle for the first time with this kit, after the first 500 miles, after each off-road use and during routine vehicle servicing. Worn, damaged or loose parts can fail suddenly resulting in loss of control of the vehicle and personal injury.

2. In ALL steering and suspension positions, check to ensure that there is adequate clearance between ALL rotating, moving, fixed and heated members. Ensure adequate clearance around steering components, exhaust components, brake lines, fuel lines, fuel tank and electrical wiring.

3. Visually inspect components for wear or damage after each off-road use and during routine vehicle servicing. Worn, damaged or loose parts can fail suddenly resulting in loss of control of the vehicle and personal injury.

4. Performance Automotive Group does not recommend a particular tire and wheel combination for use with its products and assumes no responsibility for customer choice of tires and wheels. Consult your owner's manual for recommended tire sizes and warnings related to use of oversize tires and wheels. In general, larger tire and wheel combinations may increase stress and wear on steering components leading to increased maintenance and greater risk of component failure, including loss of steering control. Property damage or personal injury may result. Large tire and wheel combinations may also alter speedometer calibration, reduce braking effectiveness and alter vehicle center of gravity height (See product safety warnings). Check with an experienced off-road shop for the tire and wheel combinations that work best on your truck. Remember, **BIGGER** isn't necessarily better.

5. The goal of Performance Automotive Group is to provide you with the best system possible for a reasonable cost. It must be noted that the components in your Trail Master system do not eliminate OE component weaknesses.

6. Perform headlight adjustment.

7. Set vehicle alignment within OE specifications. The size of rim and tire combinations should be considered when making front end adjustments.

8. Retain this and all information regarding your altered vehicle for future reference. Thank you for choosing Performance Automotive Group. For questions, contact our Technical Assistance Department at (928) 636-3175.

PRODUCT SAFETY LABEL

Supplied in kit is a safety warning label. Install label inside cab. Locate label in a highly visible location to all operators of this vehicle. If label becomes lost or damaged, contact Performance Automotive Group at (928) 636-3175 for a replacement.



WARNING

The suspension of this vehicle has been modified to improve off-road performance. As a result, this vehicle may handle differently than factory equipped vehicles. Extreme care must be used to prevent loss of control or roll over during sharp turns or abrupt maneuvers. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Consult the instructions accompanying this product and the vehicle owner's manual for additional product safety warnings. Always wear seat belts, reduce your speed and drive safely.

trail master^â



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GLOSSARY OF TERMS

TM:	Trail Master
DRV:	Drivers side of the vehicle
PASS:	Passengers side of the vehicle
OE:	Original equipment
SRS:	Supplemental Restraint System

TORQUE SPECIFICATIONS

1/4 FASTENERS	10'LBS.
5/16 FASTENERS	17'LBS.
3/8 FASTENERS	30'LBS.
7/16-14 FASTENERS	50'LBS.
7/16-20 FASTENERS	55'LBS.
1/2-13 FASTENERS	75'LBS.

PARTS LIST 9318 9319 9330

Large Body Blocks (3PKBX)	14	12	12
1/2 x 7-1/2 Bolt (12712CCGE)	8	0	6
7/16 x 9 Bolt (76900CHHC)	2	2	2
7/16 X 7 Bolt (76700CHHC)	4	6	0
7/16 x 6-1/2 Bolt (76612CHHC)	0	2	0
7/16 x 6 Bolt (76600CHHC)	0	0	4
3/8 X 1 Bolt (38100CHHC)	2	0	0
1/4 x 1 Self Tapping Bolt (14100HWHSD)	6	6	0
1/4 X 1 Bolt (14100CHHC)	0	0	5
7/16 Flat Washer (W76F)	6	10	6
1/2 Flat Washer (W12F)	8	0	6
5/16 Flat Washer (W56F)	4	0	0
1/4 Flat Washer (W14F)	0	0	5
3/8 Locknuts (N38CL)	2	0	0
1/2 Locknuts (N12CL)	8	0	6
1/4 Locknuts (N14CL)	0	0	5
Rod Extension (22)	1	2	1
Radiator Strap (6RADST)	2	2	0
Brake Bracket (B3355B).....	1	0	0
Warning Label (WL002)	1	1	1

INSTALLATION INSTRUCTIONS

1. Detach battery cables from terminals.
2. Check rear bumper to see if you have clearance to lift bed. If not, remove bumper.
3. Loosen all bed bolts.
4. Remove all bolts on drivers side of bed first
5. Check gas tank filler neck. Many necks are made of rubber which flexes easily and should not pose a problem. If yours should need to be lengthened, simply loosen the clamps at either end, pullout necessary slack and retighten.
6. Lift drivers side of bed up approximately 2". Double check slack in wiring. Continue lifting bed up until all body blocks can be set in place on rubber frame pads. If replacement rubber frame pads were purchased, install at this time.

7. Insert body bolts through bed, body blocks and frame.
8. Lower bed onto blocks but do not tighten bolts fully at this time.
9. Repeat on passenger side. (Steps 6-8)
10. Visually align bed with cab.
11. Torque all bed bolts to specification.
12. Reinstall rear bumper at this time if it was removed
13. Detach linkage from steering column (Automatic & Manual trans. with column shift). Detach clutch linkage from pedal to bellcrank.
14. Remove fan shroud. It may be necessary to remove the fan in order to remove the shroud from truck.
15. Check front bumper to see if you have clearance to lift body. If not, then remove bumper.
16. Loosen all cab bolts. Remove all bolts on drivers side. Note: some vehicles where gas tank is behind seat, it may be necessary to remove the tank in order to remove the two rear bolts.
17. Place a block of wood on top of the jack to protect the body. Jack the drivers side of the cab up so it clears the frame by 2". Check wires, cables, etc. again. If everything is clear then continue jacking cab up until left side blocks can be placed between body and body mounts.
18. Lower body enough so that you can start the new longer mounting bolts through the body, the body block, & the OE body mounts. Do not tighten at this time.
19. Repeat steps 17 & 18 on passenger side the same way checking for wires.
20. After all blocks are in place, visually align cab with box.
21. Torque all body bolts to specification.
22. Place 2x4 on top of jack, put under radiator for support. Remove four bolts holding radiator in place. Install 3" bracket in top mounting holes. Drill two new holes 3" below lower mounting holes. Reinstall radiator at new location and reattach fan shroud. Check fan to be sure that it has ample clearance from shroud and hoses.
23. Transmission linkage must be cut in half, but first scribe a line on straight part of linkage. Make it long enough so that you can realign linkage when welding it together. Weld in extender. Do top first then bottom.
NOTE: All welding should be done by a certified welder.



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9318 & 9319 & 9330
1980-91 FORD F SERIES LWB & SWB
1980-91 FORD BRONCO
1986-91 FORD F350 LWB & SWB
BODY LIFT KIT
INSTALLATION INSTRUCTIONS



WARNING

1. Read and understand all instructions, warnings and cautions in these instructions, your owner's manual and related service manuals before the installation or use of this product. DO NOT install or use this product if there is anything you do not understand in these instructions or related materials.
2. Certain Performance Automotive Group products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Use of oversize tires, suspension lifts, body lifts and other suspension modifications may raise your vehicle's center of gravity resulting in an increased tendency for the vehicle to pitch and roll during sudden turns or abrupt maneuvers. Extreme care must be used to prevent loss of control or vehicle roll over. Failure to drive your modified vehicle safely may result in serious injury or death. Drive at reduced speeds to ensure your ability to maintain control of the vehicle under all driving conditions. **Always** wear seat belts.
3. DO NOT combine suspension lifts, body lifts or other lift devices. Combined use of lifts may result in unsafe and/or unexpected handling characteristics (see enclosed product safety WARNING label).
4. Many states now have laws restricting vehicle modifications such as lift, bumper height or other alterations. Consult your state vehicle equipment laws to determine if the installation of this kit or other modifications are permitted.
5. The use of larger than OE tire and wheel combinations may reduce the effectiveness of the braking system (including ABS equipped) and increase the amount of pedal pressure necessary to obtain a given braking distance with normal stops and increase the stopping distance in a panic stop. Drive at reduced speeds and allow for extra stopping distance while driving a vehicle equipped with larger than OE tires. Discuss this issue with your tire and wheel dealer before installing larger tires and do not use tire and/or wheel combinations that compromise safe braking performance.
6. Supplied in this kit is a safety WARNING label. Install this label inside the cab of the vehicle where it will be highly visible to all operators of the vehicle.



CAUTION

1. Proper installation of Performance Automotive Group products requires knowledge of recommended procedures for disassembly/assembly of OE vehicles and components (i.e. steering tie rods, control arms, brake calipers, etc.). Access to OE shop manuals and special tools is required. Attempting to install this kit without knowledge of these procedures may affect the safety of your vehicle and/or the performance of these components. Trail Master strongly recommends that this kit be installed by a certified mechanic with off-road experience.
2. Use the appropriate tool for the job and be sure that tools are in good condition. Failure to use proper tools and/or tools in good condition may result in personal injury.
3. Always wear safety glasses while installing this kit to avoid eye damage from debris, broken tools, etc.
4. Use Loctite 243 thread locker on all metal fasteners (per the manufacturers directions) unless otherwise noted in these instructions. Failure to use thread locker may result in fasteners becoming loose over time.
5. The components included in this kit require regular inspection for wear or damage. Periodically check fasteners for proper torque (see chart of required torque specifications on next page). Worn, damaged or loose parts can fail suddenly resulting in loss of control of the vehicle and personal injury.

PRE-INSTALLATION NOTES



WARNING

1. This kit is only intended for use on trucks that are in good condition. Before installing these components, thoroughly inspect truck, paying particular attention to the condition of the OE body mounts and surrounding sheet metal. Do not install body blocks on trucks that show any evidence of corrosion, deformation of body mounts or surrounding sheet metal. Do not install on trucks you suspect may have been involved in accidents or misused. Off road use of this product may increase the stresses applied to the OE body mounts. Do not "jump" trucks equipped with body blocks. Check torque of fasteners frequently and include the body blocks and mount area in your routine safety inspections. Failure to follow this warning may result in damage to your truck and/or serious personal injury.
2. Properly block and secure vehicle prior to installation.

Compare parts included in your system with the enclosed parts list. Placing hardware with components before you start may reduce installation time. Contact your Performance Automotive Group dealer if any parts are missing or appear to be different than those indicated on the parts list.