



2265 Crosswind Drive • Prescott, AZ 86301  
(928) 636-3175

## F2526

Jeep CJ5, CJ7, Scrambler  
Commando 4WD

2" Add-A-Leaf (Front)

## 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 Trail Master 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



### WARNING

- 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 Trail Master 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

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 Trail Master dealer if any parts are missing or appear to be different than those indicated on the parts list.**

## PARTS LIST

Front Leafs (Long) .....	2
5/16" Center Pins .....	2
5/16" Nuts .....	2
2" Spring Clamps (Upper) .....	4
2" Spring Clamps (Lower) .....	4

## DRIVE LINE NOTE

Post installation vehicles may experience driveline vibrations. Driveline angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened, shafts may need to be trued and U-joints may require frequent replacement. Trail Master systems are not recommended for vehicles with 13 inch or shorter drive shafts.

## ALL REPLACEMENT SPRING OR ADD-A-LEAF SYSTEMS

require compression stop installation or spring failure may occur. Not all Trail Master systems include compression stop extensions to maintain this criteria. Compression stop to axle dimension must be maintained or your Trail Master warranty may be voided.

## INSTALLATION INSTRUCTIONS

1. Raise front of vehicle and support with jack stands on frame. Remove front tires and wheels.
2. Remove both front shocks.
3. If so equipped, unhook stabilizer bar from front axle.
4. Place floor jack under front axle. Remove U-bolts and spring plates.
5. Raise axle away from springs.
6. Remove bolts from hangers and shackles. Remove springs.
7. Install long helper leafs in springs using center pins and clamps provided. Positioning of helper leaves is determined by installing the leaves in sequence with the stock springs. **NOTE:** When disassembling springs use C-clamps. Springs are under tension and can be dangerous.
8. Install front springs. Do not tighten hanger and shackle bolts at this time.
9. Raise vehicle with jack under front axle until it is free of jack stands. Tighten shackle and hanger bolts. Double check all bolts and U-bolts. Install new shocks. **NOTE:** Longer shocks must be used. Original shocks are too short.

10. Hook stabilizer bar back up if equipped.

11. Install tires and wheels. Lower vehicle.

## POST-INSTALLATION NOTES



### CAUTION

1. Trail Master's goal 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.
2. Perform headlight adjustment.
3. Retain this and all information regarding your altered vehicle for future reference. Thank you for choosing Trail Master. For questions or suggestions, 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 Trail Master 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**<sup>®</sup>



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