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Suspension MAXX

INSTALLATION INSTRUCTIONS

Part # **SMX-10350**

For use with:

FORD 2005-UP F250, F350, F450, F550 Series 4x4



Thank You for choosing SuspensionMAXX for your vehicle. This kit is designed to add suspension travel and increase front ground clearance. Specially designed tools and experience are required to complete the installation properly. These parts should only be installed by a Qualified Mechanic otherwise an unsafe vehicle and/ or personal injury may result. Consult manufactures service manual for proper torque specifications and procedures. Instructions are supplied for the leveling kit installation only. Safety is most important. Use safe working habits.

Notice:

This product combines with the coil spring to increase suspension height up to 2.25" for a smoother ride. Enhances ride profile and is an economical alternative to expensive lift kits! This kit allows for up to 34" tires.

WARNING! This suspension system will enhance off road performance and increase ground clearance! **Larger** tires will increase vehicle roll center height. The vehicle will handle and respond to driver steering and braking differently from a stock factory equipped passenger car or truck. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers both on and off-road. Failure to operate this vehicle safely can result in vehicle damage, serious injury or death to the driver and passengers. **Always wear** your seat belts and **reduce** your speed, **avoid** sharp turns, **inclines** and **abrupt** maneuvers. Tread lightly, respect nature and enjoy the Off-Road Experience!

Help keep it available for future generations.

Thank You! Suspension MAXX Inc.

Lift Your **Attitude!**
Retain your factory ride



Again, thank you for your purchase! Enjoy your SuspensionMAXX leveling system!

Questions? E-mail us at tech@suspensionmaxx.com or call 1.888.MAXX.CAM



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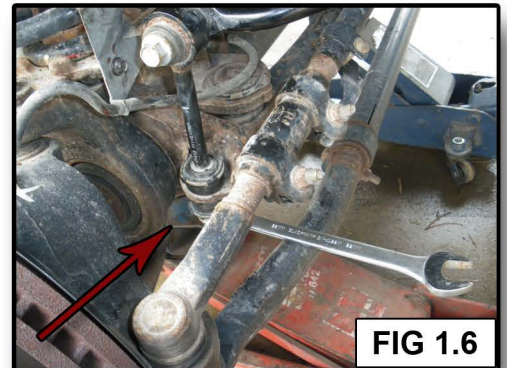
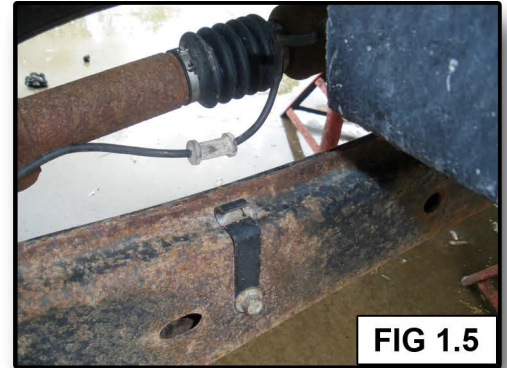
1.
**Lift Your
Attitude!**
Retain your factory ride

Tools required for installation:

1. Safety Glasses and Related Safety Equipment
2. Load-rated safety stands, floor jack, and wheel chocks
3. Metric/ American tool socket set / wrench set/ torque wrench (150 ft-lb)
4. Medium size pry bar/ Brass drift/ Hammer

Installation Procedure

1. Place vehicle on solid level surface. Set parking brake. Block rear wheels.
2. Raise vehicle under frame and secure with load-rated jack stands. Front axle completely unloaded of vehicle weight.
3. Mark wheels lug location and remove front wheels.
4. Support front axle with load-rated floor jack for the duration of installation.
5. Remove ABS wire retainer clamp from radius arm on both sides. **CAUTION DO NOT Damage ABS cable or terminals** (FIG 1.5)
6. Remove lower sway bar nuts at axle mount on both sides (21mm deep socket and wrench). (FIG1.6)
NOTICE: Do Not spin studs with air wrench. Damage to link may occur!
7. Remove shock absorber upper retaining nut. (FIG 1.7)
NOTICE: Prevent shock shaft from turning with open end wrench!
8. Remove 10MM bolt from lower brake hose mounting bracket, allow slack / clearanceto lower axle. (Disconnecting hydraulic brake flex hose from caliper or steel supply line NOT required)
9. Slowly lower axle to relax coil spring tension. Continue to lower front axle with load-rated floor jack until springs clear upper frame mount locator.



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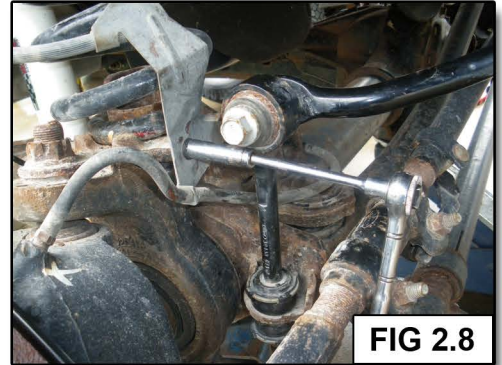
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2.

8. Remove 10MM bolt from Lower brake hose mounting bracket, allow slack /clearance to lower axle (FIG 2.8)

NOTICE: Disconnecting hydraulic brake flex hose from caliper or steel supply line NOT required .

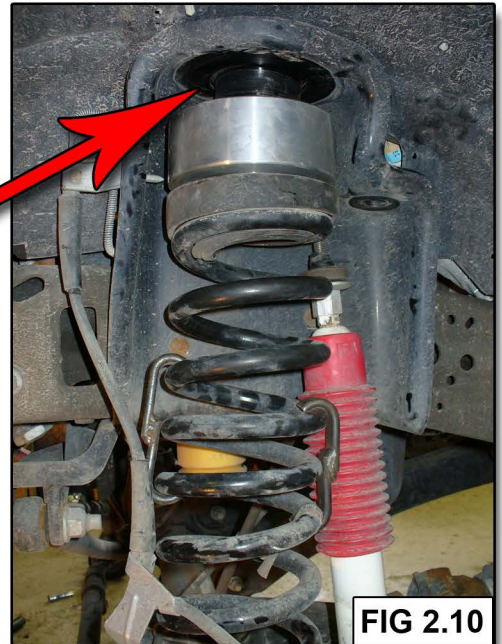


9. Slowly lower axle to relax coil spring tension. Continue to lower front axle with load rated floor jack, until springs clear upper frame mount locator.

10. Install MAXXstak Coil spacer 1 per side engaging spacer with frame locator (FIG 2.10)

NOTICE: Reuse rubber coil insulator in original position.

Place supplied insulator ring between spacer and frame mount (1 per side)



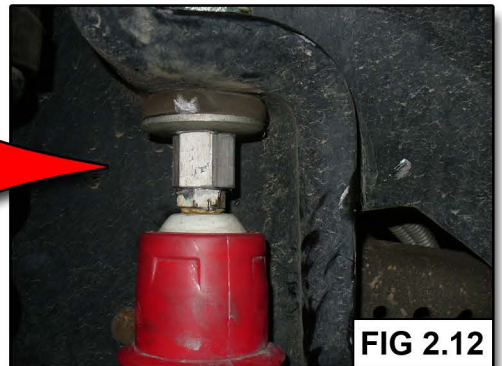
11. Raise axle with floor jack

DANGER: Truck may lift from safety stands due to increased suspension height. USE CAUTION!

12. Install shock absorber with extension kit
Reconnect upper shock hard-wear

In this order :

- 1 Shock Sleeve
 - Lower washer
 - Rubber insulator
 - Upper insulator
 - Upper washer
 - Top retaining nut
- (FIG 2.12)



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3.

14. Reconnect sway bar links and torque fasteners (FIG 3.14)

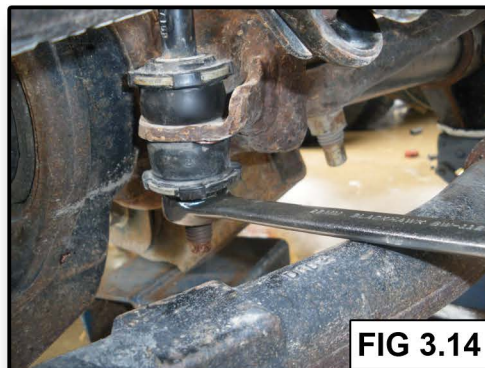


FIG 3.14

15. Reinstall brake hose brackets in original position (FIG 3.15)

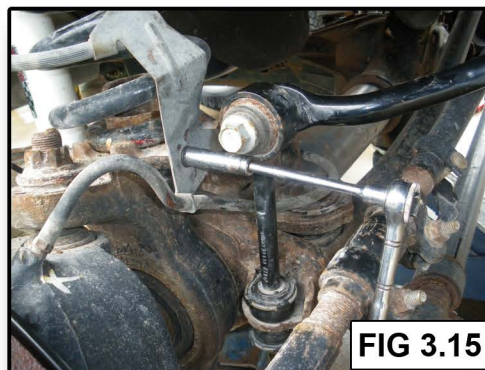


FIG 3.15

16. Reconnect ABS cables in reverse order (FIG 3.16)

17. Reinstall front wheels in marked location. Torque to manufacturers specification

18. Check for tie / wheel clearance to critical suspension / steering / brake components(make adjustments as needed)

19. Perform front wheel alignment to maximize tire performance!
Feel free to call tech at
1-888-MAXX-CAM



FIG 3.16

Wheel Alignment Recommendations

Camber = 0.0 Deg. +/- 0.5 Deg.

Caster = 2.0 Deg. +/- 1.0 Deg.

Total Toe = 1/8 Inch In



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