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PRODUCT: 703535
97-03 FORD F150 2WD 3.5" LIFT SPINDLES

PARTS LIST QTY

COTTER PIN	8
1/4" ADEL CLAMP	2
M6-1.0X16 HEX CAP SCREW	2
M6 FLAT WASHER	2
LIFT SPINDLE - DRIVER SIDE	1
LIFT SPINDLE - PASS. SIDE	1
1/4-20X1" HEX CAP SCREW	2
1/4-20 NYLOCK NUT	2
1/4" FLAT WASHER	4

PLEASE DOUBLE CHECK THE PARTS LIST BEFORE BEGINNING INSTALLATION, TO ENSURE ALL PARTS ARE PRESENT, IF THERE IS SOMETHING MISSING, PLEASE CONTACT MAXTRAC IMMEDIATELY
714-630-0363

READ THE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING THE INSTALLATION.

PRIOR TO INSTALLATION:

1. Factory service manual is recommended to have on hand.
2. Secure and properly block vehicle prior to beginning installation
3. Always wear safety glasses when using power tools or working under the vehicle
4. Modifications to any part will void the warranty associated with that product.
5. Jack up front of vehicle, place jack stands under frame, behind front suspension.

After removing parts from vehicle, save hardware for reinstallation

IT IS RECOMMENDED THAT YOU HAVE YOUR VEHICLE'S ALIGNMENT CHECKED WHENEVER INSTALLING NEW TIRES. IT IS ALSO RECOMMENDED THAT YOU ADJUST YOUR HEADLIGHTS WHENEVER YOUR VEHICLE'S RIDE HEIGHT IS ALTERED.

1. Remove brake caliper bracket, and brake caliper as one piece and support, do not let it hang by the brake lines.
2. Remove dust cap, and cotter pins from wheel bearing. Remove cotter pins from the tie rod and both ball joints as well.
3. Remove wheel bearing nut then remove the brake rotor.



4. Unbolt and remove ABS sensor from spindle and the upper control arm.
5. Loosen tie rod nut, and remove tie rod from the spindle
6. Loosen the lower ball joint nut, but do not remove.



7. Loosen the upper ball joint nut, but do not remove. Break the upper ball joint loose from the spindle by smacking it with a hammer, make sure to hit the spindle, and not the threads/nut.
8. Do the same with the lower ball joint now, breaking it loose with a hammer, and then remove the spindle.



9. Install Maxtrac Suspension's lifted spindle, and tighten the upper and lower ball joints.
10. Reinstall brake rotors, do not over tighten wheel bearings, install cotter pins and dust cap.
11. Reinstall cotter pins onto upper and lower ball joints,



12. Install the ABS sensor into the new spindle, using the provided hardware.
13. Slide the protective sleeve on ABS sensor up to allow more slack on the bottom side, spraying lube on the line makes this step easier.
14. Use provided adel clamp and 6m bolt to secure ABS line to the new spindle.



15. Reattach brake line guide to upper control arm and move the spindle throughout its turning cycle to ensure ABS line has plenty of slack.
16. Reinstall brake caliper, Reinstall tie rod, tighten, and then install cotter pin.



17. Depending on the year of the vehicle, you may have to grind down the front lip of the lower control arm about $\frac{1}{4}$ ". Grind smooth, then paint to protect the raw metal of the arm.

