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PRODUCT: 700930
99-06 GM PICKUP / SUV 3" LIFT SPINDLES

PARTS LIST QTY

DRIVER SIDE LIFT SPINDLE	1
PASSENGER SIDE LIFT SPINDLE	1
1/4" ADEL CLAMP	2
3/8" ADEL CLAMP	2



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.

After removing parts from vehicle, save hardware for reinstallation

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

INSTALLATION INSTRUCTIONS

1. Chock the rear wheels to prevent any possibility of rolling forward or backward.
2. Jack up the front of the vehicle with a floor jack, and place the frame rails on jack stands behind the lower control arm mounts.
3. After removing the tires and wheels, remove the bolt on top of the steering knuckle / spindle that secures the brake line, 10mm wrench.
4. Remove the ABS wire from the mounts on the control arm.



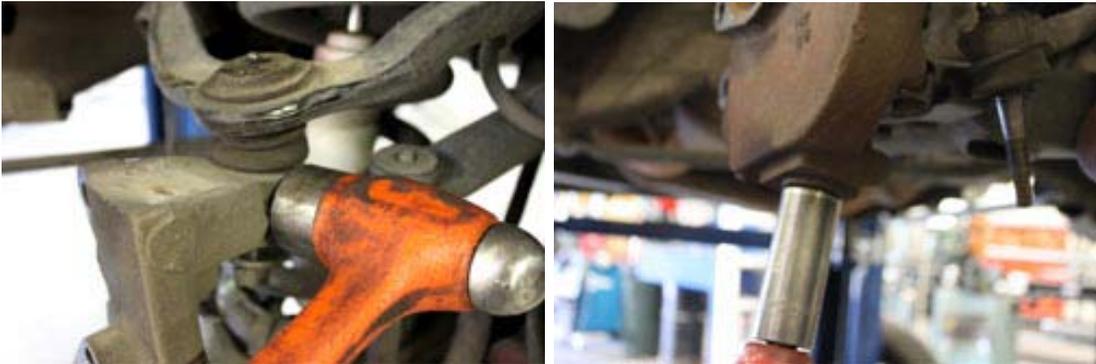
5. Remove the brake caliper (18mm socket), and then remove the brake rotor and set aside.
6. Remove the tie rod end from the steering knuckle (18mm), and move out of the way. You will have to strike the tie rod to dislodge it from the knuckle.



7. With the floor jack underneath the lower control arm, lift it up slightly to be able to remove the upper ball joint from the top of the knuckle (18mm).



8. Remove the upper ball joint by striking it, or by using a ball joint separator.
9. Loosen the lower ball joint (18mm), then strike it to dislodge the ball joint from the knuckle, remove the lower nut and then the knuckle from the vehicle.



10. Remove the 3 bolts that secure the bearing assembly to the stock knuckle (15mm). Keep bolts.



11. Remove & Discard backing plate.
12. Install the bearing assembly on the new knuckle, tighten (15mm) to factory specs.
13. Install the new knuckle onto the lower ball joint (18mm)
14. Run the brake line under the upper ball joint and install the knuckle onto the upper ball joint, pry bar may be required.



15. Make sure that the brake line has enough slack when moving the knuckle from full left turn to full right turn, make sure that the brake line is not pulled after the bracket is installed. It's also suggested to spray the brake line, at the knuckle bracket, with lubricant to make sure enough slack is present to install the brake line on the knuckle. Repositioning of the brake line bracket may be necessary, use stock hardware.



16. Reinstall the brake caliper and tighten with 18mm socket to factory specifications.

17. Install the tie rod end on the new knuckle, 18mm / factory specs.



18. Below is the installation of the brake line bracket on the knuckle, also the suggested re-routing of the ABS line and brake line, both on one side of the knuckle, zip-tied together.



19. Re-check all fasteners, repeat process for other side, and reinstall wheels and tires.