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**PRODUCT: 702145**  
**2002- CURRENT DODGE RAM 1500 2WD 4.5" LIFT SPINDLES**

**PARTS LIST**

**QTY**

SPINDLE, DODGE 4.5" LIFT, DRIVER	1
SPINDLE, DODGE 4.5" LIFT, PASSENGER	1
1/4" ADEL CLAMP	2
3/8" ADEL CLAMP	2
EXTENDED FRONT BRAKE LINE	2
M14-1.5X80 HEX BOLT 10.9	4
M14 FLAT WASHER	4
M6-1.0X16 HEX BOLT	4
M6 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 WHEN INSTALLING NEW SUSPENSION PARTS. IT IS ALSO RECOMMENDED THAT YOU ADJUST YOUR HEADLIGHTS WHENEVER YOUR VEHICLE'S RIDE HEIGHT IS ALTERED.**

**\*PLEASE NOTE\***

02-05 MODELS WILL USE THE PROVIDED BRAKE LINE BRACKETS,  
AND **NOT** THE BRAKE LINES. (PLEASE SEE LAST PAGE)  
06 & UP WILL USE THE EXTENDED BRAKE LINES IN THE KIT, AND WILL **NOT** USE THE BRACKETS.

1. Unbolt the brake caliper and support out of the way. (DO NOT ALLOW THE CALIPER TO HANG BY THE BRAKE LINE), then remove the rotor.
2. Unbolt the tie rod and break loose by hitting the side of the steering arm with a hammer. (DO NOT HIT THE TIE ROD ON THE THREADS)
3. Unbolt and remove the ABS sensor and support out of the way.
4. Unbolt and remove the unit bearing, and DISCARD THE DUST SHEILD. It will not be re-used.



5. Loosen both the upper and lower ball joints but do not remove the nuts.
6. Hit the side of the spindle, right next to the upper ball joint to break the ball joint loose (DO NOT HIT THE BALL JOINT ON THE THREADS). The nut that you left on, will catch the spindle when it loosens.
7. Break the lower ball joint loose by hitting the side of the spindle with a hammer and remove.



8. Install the unit bearing on the Max Trac Lift Spindle using 1 factory bolt and 2 provided bolts, then install the spindle onto the truck. (THE DUST SHEILD WILL NOT BE RE-INSTALLED)
9. Tighten both the upper and lower ball joints. The upper ball joint can only be tightened using a combination wrench. The clearance back there is tight for maximum wheel backspacing.
10. Install the ABS sensor and guide the ABS wire up the neck of the spindle using the factory guide clip and 1 provided Adel clamp.



11. Install the brake rotor.
12. Unbolt the brake line from the frame and pull some line out to create extra slack.
13. Install the caliper onto the new Maxtrac spindle and then tighten.



14. Unbolt the factory brake line at both ends and remove.
15. Install the provided extended brake line starting at the frame. Allow fluid to run through the brake line before attaching to the caliper.
16. Attach the new extended brake line to the neck of the spindle using the provided adel clamp and hardware. Then install brake line mounting clip at the frame. (See 19 for brake routing)



17. Install the tie rod and then tighten.
18. Mount the wheels and tires back on the truck. The vehicle's Toe will need to be checked and adjusted before driving to an alignment shop.



19. Picture on the right below, shows routing of the new extended brake line. For the 2006 to current model trucks



## 2002-2005 BRAKE LINE BRACKET INSTALLATION

1. Unbolt the brake line bracket closest to the soft line
2. CAREFULLY bend the line outward, and downward.
3. Unravel the tab on the brake line slightly.



4. Bolt up the new brake line bracket with the short side at the frame. Using original hardware
5. MAKE SURE the bracket on the line gets bent enough so that the hole on the attached bracket lines up with the hole on the Max Trac bracket.
6. Use the provided bolt to attach the two together.



7. Tighten the bolt at the bracket & at the frame
8. Before the tie rod is attached to the spindle, put the tire on and cycle the spindle back and forth to ensure there is enough slack in the brake line and that the line does not make contact with the tire.
9. If the line does make contact bend down the hard line at the caliper. Enough to prevent contact.
10. Note the passenger side comes up and over the frame. Repeat installation instructions for passenger side. Ensuring the hard line isn't rubbing on the frame & that the soft line **DOES NOT** contact the tire.

