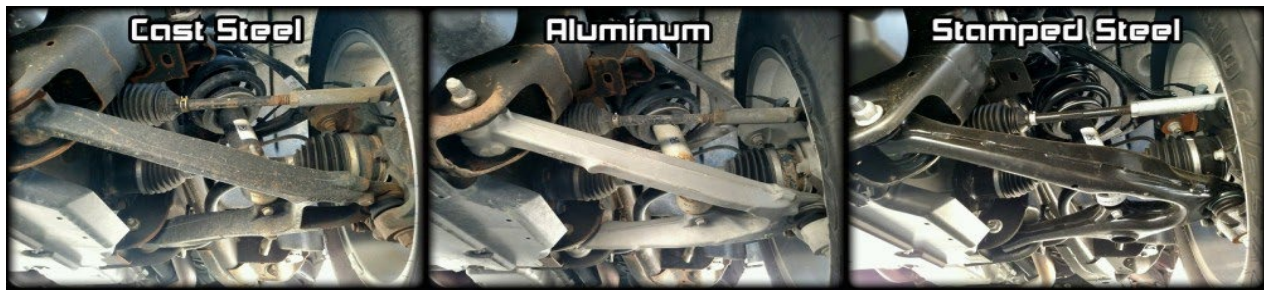




PART# 701345

**2007-2016 GM 1500 2WD
W/ CAST STEEL SUSPENSIN ONLY**

4.5" FRONT LIFT SPINDLES



3 HOUR INSTALL TIME



WARNING

Max Trac Suspension recommends using an 17" x 9" wheel w/ 4.75" back spacing. Any wheel that is wider or has less back spacing "i.e. Deep Dish Wheels" can cause component failure and will void the warranty. Max Trac Suspension also recommends using a 33" x 11.5" tire with the spindle only or a 35" x 12.5" tire when combining a strut spacer with our spindle.

Components	Hardware
(1) 701345D DRIVE SIDE SPINDLE	(4) 1/4" LOOM CLAMP
(1) 701345 PASSENGER SIDE SPINDLE	(2) 3/8" LOOM CLAMP
(2) 511300 EXTENDED BRAKE LINE	

Please double check the parts list before beginning installation to ensure all parts are present. If there is something missing, please contact Maxtrac Suspension (714) 630-0363. Please have the boxes present if parts are missing or damaged

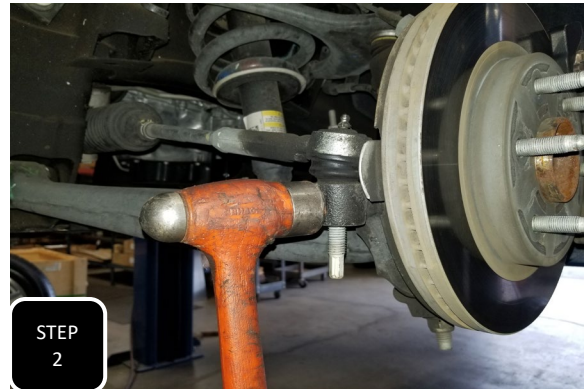
PRIOR TO INSTALLATION:

- 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 Modification to any part will void the warranty associated with that product**

AFTER REMOVING PARTS FROM VEHICLE, SAVE HARDWARE FOR REINSTALLATION



Step 1 Jack up the front of the of the vehicle and support under the frame rails with jack stands. Remove both front tires and proceed with one side at a time.



Step 2 Remove the nut attaching the outer tie rod to the steering knuckle and then break loose by hitting the side of the spindle with a hammer right at the joint. **NOTE: NEVER HIT THE TIE ROD ON THE THREADS**



Step 3 Unbolt the ABS line from the control arm and then open up the clip and remove the line from the clip.



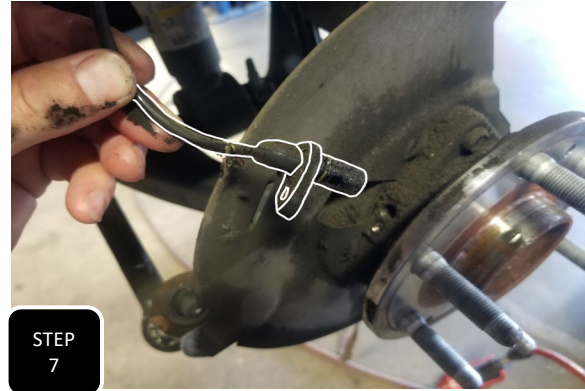
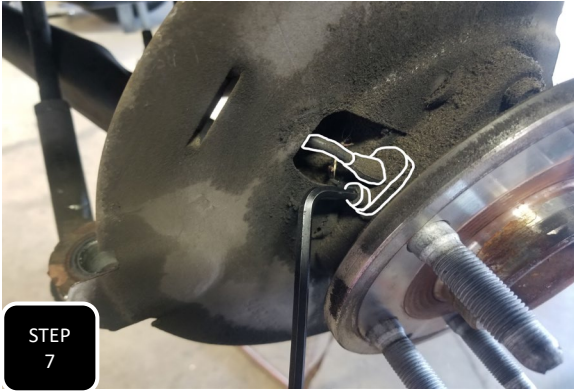
Step 4 Unbolt the ABS guide bracket from the top of the spindle, then separate the grey plastic clip from the bracket and finally remove the wire from the clip.



Step 5 Unbolt the brake caliper and support it up, out of the way. **NOTE: NEVER ALLOW THE CALIPER TO HANG BY THE BRAKE LINE.**



Step 6 Unbolt the brake rotor and remove. **NOTE: IF THE BRAKE ROTOR IS STUCK, HIT IT WITH A HAMMER A FEW TIMES WHERE THE WHEEL MOUNTS TO THE ROTOR. NEVER HIT THE BRAKING SURFACE.**



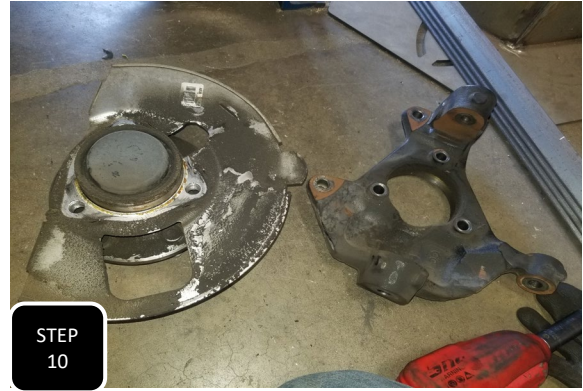
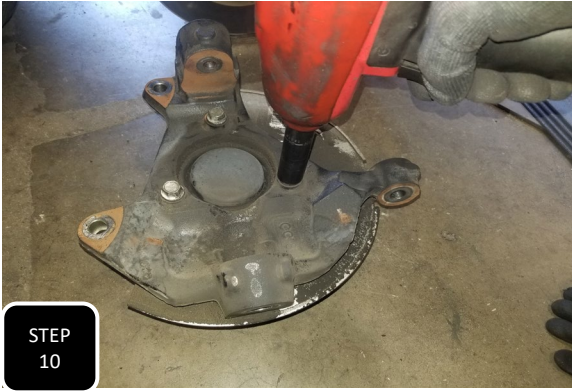
Step 7 Unbolt the ABS sensor at the wheel bearing and hang it up, out of the way so that it does not get damaged during the install.



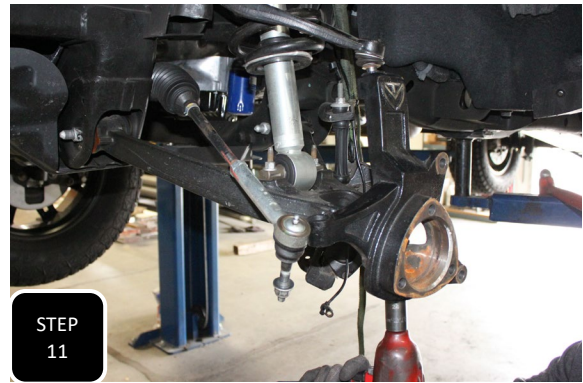
Step 8 Loosen but do not remove the nuts for the upper and lower ball joints.



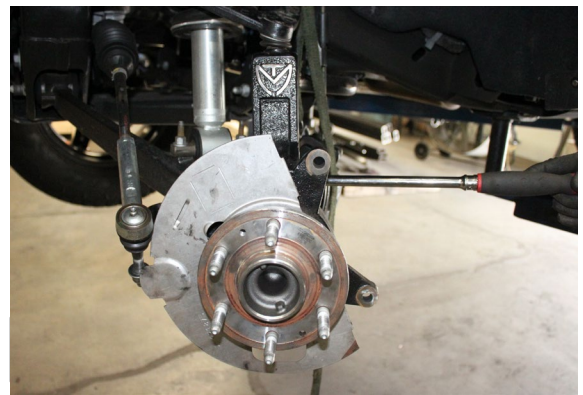
Step 9 Break each ball joint loose by hitting the side of the spindle, right at the ball joint, with a hammer. The nut will catch the spindle, then remove both nuts and the spindle. **NOTE: NEVER HIT THE BALL JOINT ON THE THREADS.**



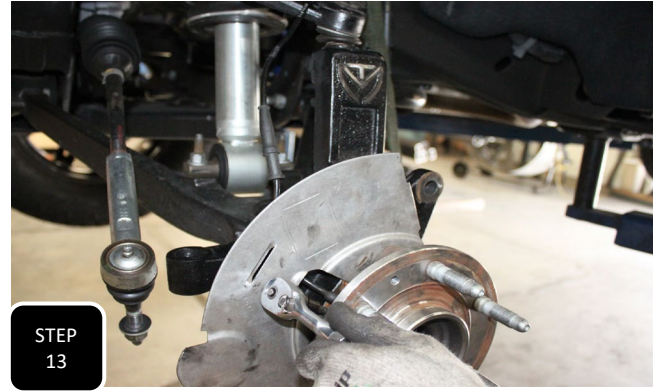
Step 10 Remove the 3 bolts attaching the wheel bearing assembly to the spindle and separate. **NOTE: THE FACTORY DUST SHIELD WILL GET RE-USED.**



Step 11 Attach the new spindle to the control arms using the factory nuts and tighten. **NOTE: IF YOU HAVE INSTALLED A STRUT SPACER THEN THE USE OF A FLOOR JACK TO COMPRESS THE SUSPENSION WILL HELP IN ATTACHING THE SPINDLE. IF THE TRUCK IS COMING OFF OF THE LIFT, LOWER THE TRUCK DOWN SO THAT THE REAR TIRES ARE TOUCHING THE GROUND.**



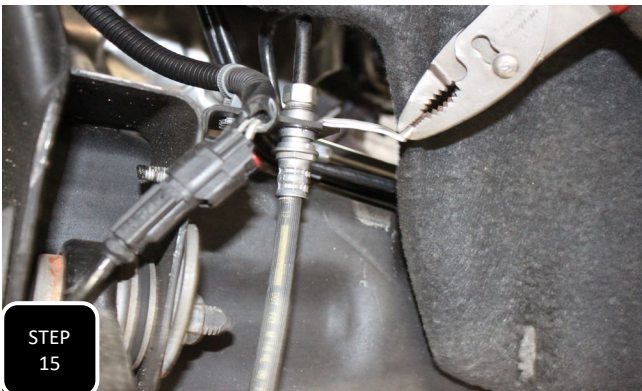
Step 12 Using the factory bolts, install the wheel bearing along with the factory dust shield and tighten to factory specs.



Step 13 Install the ABS sensor and attach it using the factory bolt.



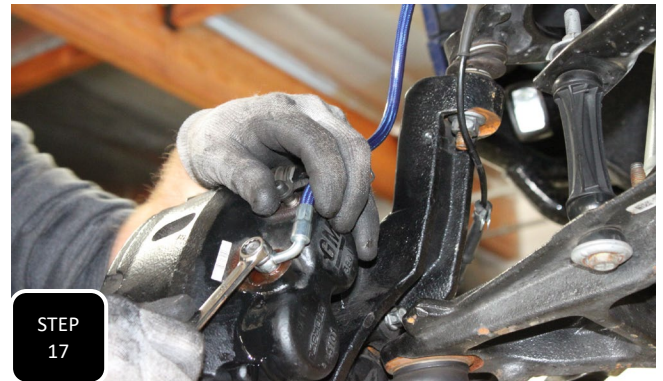
Step 14 Slide the rotor onto the wheel studs and attach it to the hub using the factory retainer bolt.



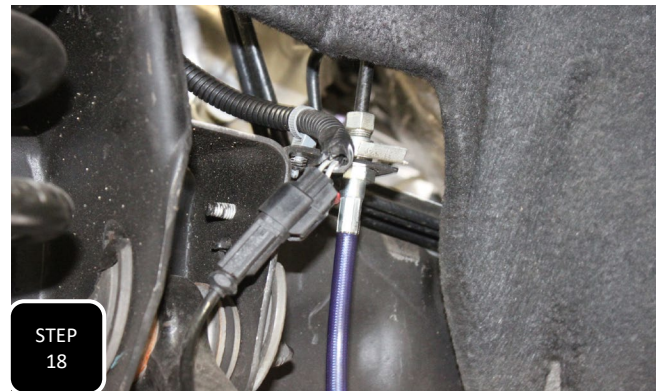
Step 15 Remove the clip that attaches the soft brake line to the frame and pull the hard line through the bracket to gain slack in the line. Next, install the brake caliper using the factory bolts and tighten to factory specs.



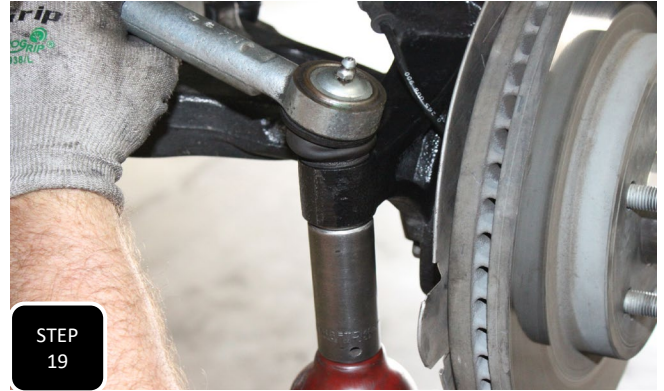
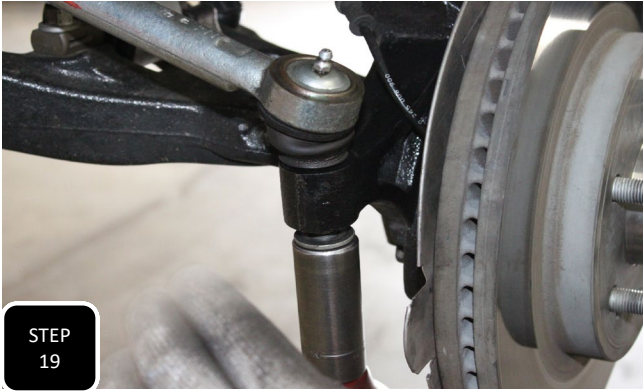
Step 16 Using a line wrench and an open ended combo wrench, break loose the connection between the soft brake line and hard brake line, then unbolt the soft line from the brake caliper and remove the factory brake line.



Step 17 Locate the new, extended brake line and attach it to the frame side first. Allow fluid to run through it and then attach the other end to the brake caliper using the new crush washers and the stock banjo bolt. **NOTE: MAKE SURE THAT CRUSH WASHERS DO NOT GET DOUBLED UP.**



Step 18 Attach the ABS line and brake line to the neck of the spindle using the provided loom clamps and stock M6 bolt. Next, make sure the ABS line is safely guided near the pivot point of the upper control arm.



Step 19 Attach the tie rod to the spindle using the factory nut and tighten to factory specs.

Step 20 Re-peat steps 1-19 on the other side. Once done, both front brakes will need to be bled to ensure there is no air in the system.

-Make sure to check the vehicle's toe before driving.

-The headlights should be adjusted after modifying the stance of the vehicle.

-The vehicle's alignment will need to be adjusted.

-All suspension components should be re-torqued after 500 miles.