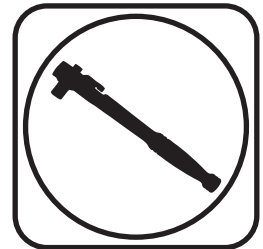




Part # 11719300 - 2014-2018 Silverado Drop Spindles



Recommended Tools



Major ComponentsIn the box

- 1 11719300 Pair of 14-18 Silverado drop spindles
- 2 16mm x 2.0 Jam Nut
- 2 5/8" Internal Tooth Lock Washer
- 2 M6-1.0 x 16 Hex Cap Screw
- 2 M6 Flat Washer
- 2 3/8" Adel Clamp
- 6 Flat Washer

Installation

Ball Joint & Tie Rod Torque Specs:

Lower Ball Joint:	37 ft-lbs	+ 130 degrees
Upper Ball Joint:	37 ft-lbs	+100 degrees
Outer Tie Rod:	26 ft-lbs	+90 degrees

THESE SPINDLES ARE DESIGNED TO FIT TRUCKS WITH ALUMINUM OR STAMPED STEEL OE CONTROL ARMS.

MUST USE 18" OR LARGER RIMS

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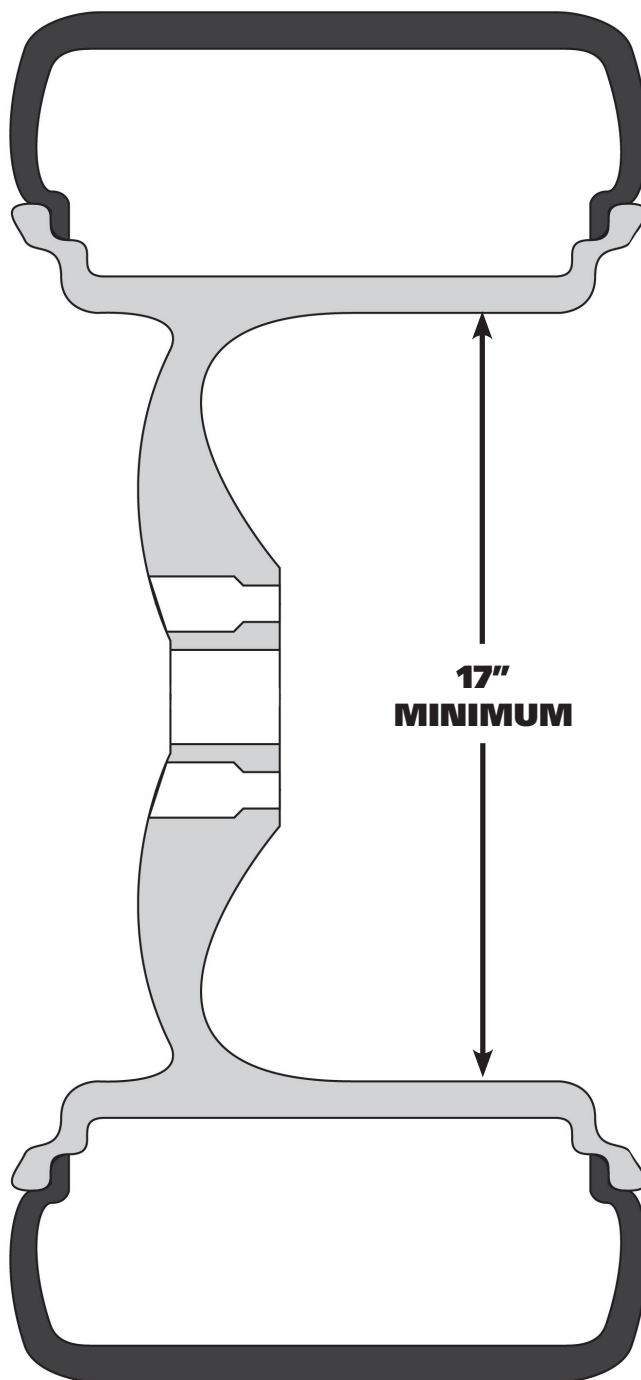


Wheel Fitment

IF YOUR WHEEL IS 18" DIAMETER OR LESS, WE RECOMMEND MEASURING THE INSIDE OF YOUR WHEEL TO DETERMINE IF IT WILL FIT (Diagram A). THE MINIMUM INSIDE DIAMETER IS 17". A 17" INSIDE DIAMETER WILL STILL REQUIRE THE BALL JOINT STUD TO BE MODIFIED FOR WHEEL CLEARANCE. WHEN TRIMMING THE BALL JOINT PIN, WE RECOMMEND LEAVING AT LEAST ONE THREAD STICKING THROUGH THE BALL JOINT NUT (Diagram C).

A

MEASURING INSIDE WHEEL DIAMETER



UNMODIFIED BALL JOINT PIN



MODIFIED BALL JOINT PIN



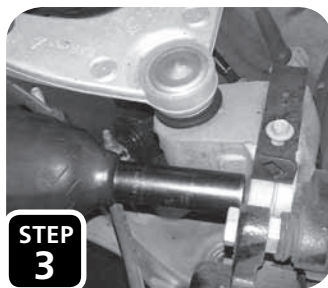
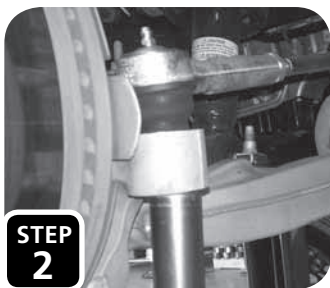
Spindle Installation

STEP 1: Jack up the front of the vehicle and support under the frame rails using jack stands. Remove the front tires and begin with either side.

STEP 2: Unbolt the tie rod from the spindle and break loose by hitting the side of the steering arm with a hammer. **(never hit the rod end on the treads)**

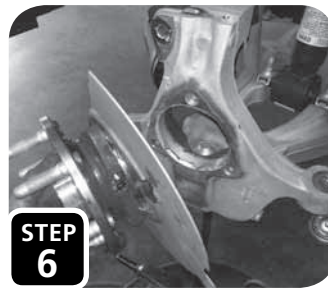
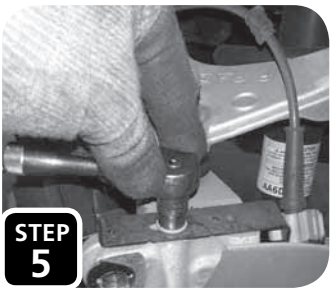
STEP 3: Unbolt both brake caliper bolts and support the caliper out of the way. **(do not allow the brake caliper to hang by the brake line)**

STEP 4: Unbolt the rotor retainer bolt and remove the rotor.



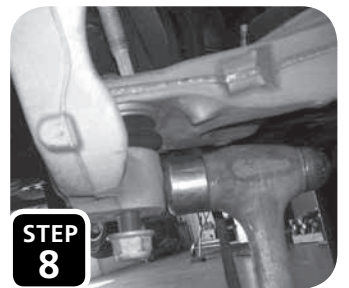
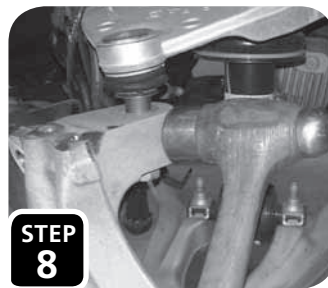
STEP 5: Unbolt the abs sensor from the spindle. Then unbolt the guide bracket at the top, separate the grey clip from the bracket, and remove the clip from the abs wire.

STEP 6: Unbolt the 3 bolts holding the wheel bearing to the spindle and remove. Discard the factory dust shield and the horse shoe bracket from the backside.



STEP 7: Loosen the upper and lower ball joints but do not remove the nuts yet.

STEP 8: Break the ball joints loose by hitting the side of the spindle at each ball joint with a hammer. (never hit the ball joint on the threads) the nut will catch the spindle, then remove the nuts and remove the spindle.



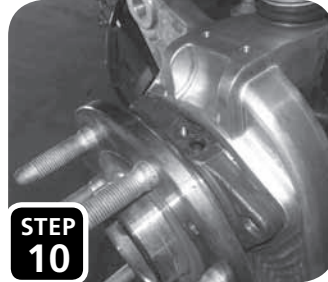
STEP 9: Install the new forged aluminum spindle and tighten both ball joints.

STEP 10: Re-install the wheel bearing using the factory bolts and 14mm provided washers.

STEP 11: Install the abs sensor and tighten.

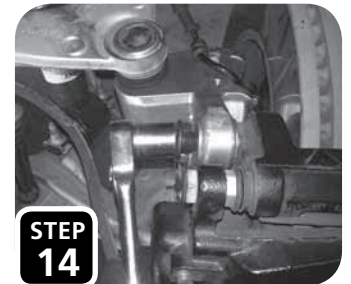


Spindle Installation

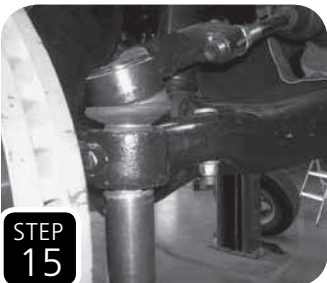


STEP 12: Safely guide the abs wire with a curve and attach to the top of the spindle using the provided adel clamp and bolt. Once tight, bend the clamp upward so that it touches the head of the bolt.

STEP 13: Install the rotor and tighten the retainer bolt.
STEP 14: Re-install the brake caliper and tighten both bolts.

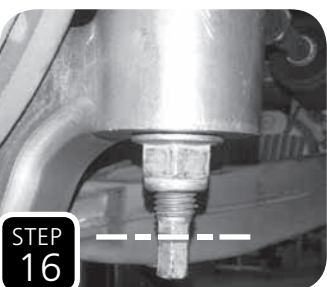


STEP 15: Attach the tie rod to the spindle and tighten



STEP 16: If re-installing the factory 18" rims, the factory tie rod will need to be marked and trimmed to clear the wheel. You will also need to install the provided jam nuts and lock washers,

STEP 16: then trim the excess of the lower ball joint right at the jam nut so that there is clearance between the ball joint and the rim. This may be necessary for some 20" rims also.



EXAMPLE OF TRIM



TIE-ROD



LOWER BALL JOINT