REMOVAL/INSTALL INSTRUCTIONS: ELECTRIC POWER STEERING LINKAGE

ATTENTION: Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully. This product is only designed to function properly on specific vehicle applications. Please verify that the vehicle requirements match the product specifications and application notes for this part.

REMOVAL/INSTALL OF ELECTRIC POWER STEERING LINKAGE (601-900) Ford F-150 2014–11 without HD Towing Package

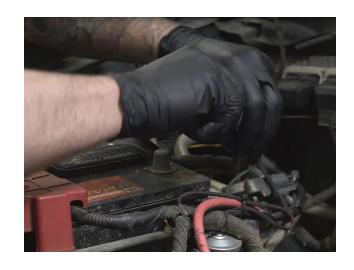
GENERAL TECH TIP:

• There are no fluids to drain during this procedure, but we recommend replacing the steering rack bolts with new ones. These are available separately.

PLEASE WEAR SAFETY GLASSES!

Removal Instructions

STEP 1: Disconnect the battery.



STEP 2: Safely raise the vehicle off the ground, and suitably support the vehicle. **NOTE:** CONSULT THE VEHICLE'S OWNER'S MANUAL OR SHOP MANUAL TO DETERMINE THE PROPER WAY OF RAISING AND LOWERING YOUR VEHICLE.

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STEP 3: Remove the two front tires.





STEP 4: Loosen the jam nuts on the tie rod ends.

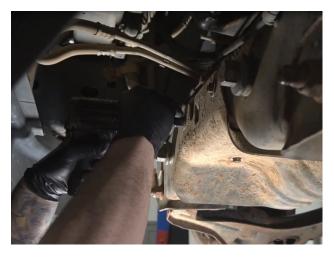


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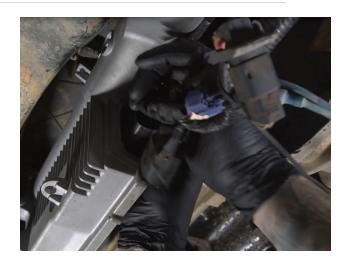
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STEP 5: Remove the bolts securing the skid plate to the frame, and remove the skid plate.





STEP 6: Disconnect the wiring harness at the steering rack.



Disclaimer:

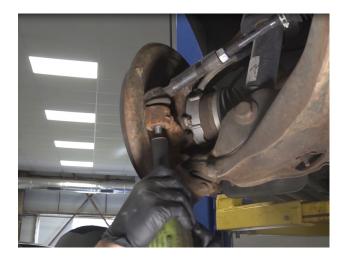
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STEP 7: Remove the bolts securing the steering shaft to the rack.

STEP 8: Remove the nuts securing the tie rod ends to the steering knuckle.





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STEP 9: Press the tie rod ends out of the steering knuckles. **NOTE:** If the tie rod ends are worn, replace the tie rod ends.



STEP 10: Remove the tie rod ends from the steering rack, if you're reusing them. **NOTE:** It may help to count and record how many turns are required, to speed up initial alignment when installing them on the new rack.



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STEP 11: Remove the two large bolts that secure the steering rack to the front crossmember, making sure to support the steering rack so it doesn't fall out.





STEP 12: Work the steering shaft free from the rack, and carefully pull the original steering rack out of the vehicle.



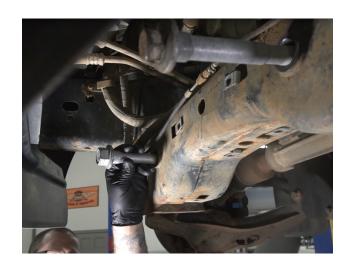
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Removal Instructions

STEP 1: Pre-install the steering rack bolts into the front crossmember.



STEP 2: Position the new rack in place in the vehicle.



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STEP 3: Tighten the steering rack bolts to secure the new rack to the vehicle.





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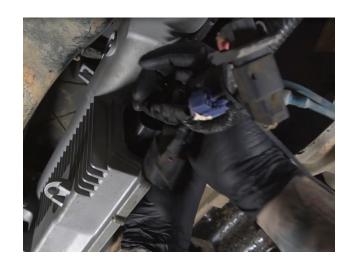
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STEP 4: Install the tie rod ends to the steering rack, positioning them approximately where they were on the old rack.



STEP 5: Reconnect the steering shaft to the rack and tighten the bolt to factory specs.

STEP 6: Reconnect the wiring harness to the steering rack.

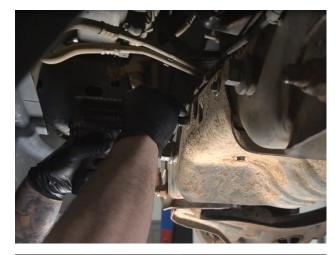


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STEP 7: Secure the bolts attaching the skid plate to the frame.





STEP 8: Tighten the jam nuts on the tie rod ends.



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STEP 9: Replace the two front tires.





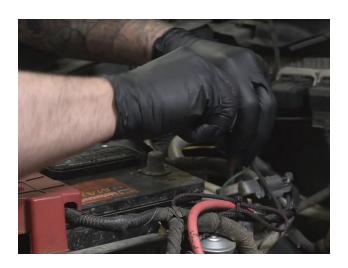
STEP 10: Safely lower the vehicle off the ground. **NOTE:** CONSULT THE VEHICLE'S OWNER'S MANUAL OR SHOP MANUAL TO DETERMINE THE PROPER WAY OF RAISING AND LOWERING YOUR VEHICLE.

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STEP 11: Reconnect the battery. A front-end alignment should be performed to reset the toe specs.



STEP 12: Once the alignment process is complete, connect the dongle to the OBD port. A Red LED on the Dongle should turn on to confirm it is working.



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STEP 13: Press the Black button on the dongle for 3–5 seconds and wait until the Green LED turns on. The Green LED signifies that the calibration process is complete.



Still need help?

Please call our Technical Support team for assistance from our team of certified automotive experts.

1-800-523-2492

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