



KRYPTONITE

HARD CORE STEERING ★ SUSPENSION PRODUCTS

2011+ ULTIMATE FRONT END PACKAGE INSTALLATION

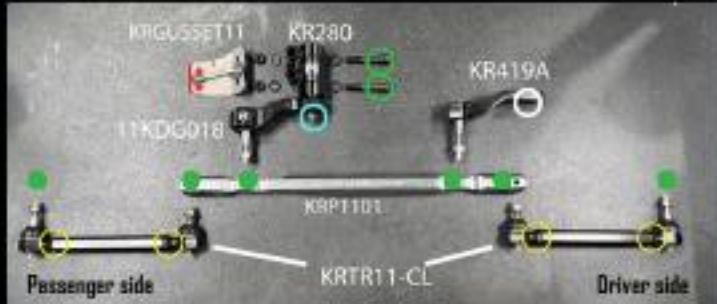
PLEASE READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY PRIOR TO BEGINNING THE INSTALLATION
PROFESSIONAL ALIGNMENT IS RECOMMENDED AFTER INSTALLATION

1. Find a clean level surface, check the rear wheels and jack up the front end of the truck. Be sure to support the frame with appropriately rated jack stands. Remove the front wheels to give yourself some working space.
2. Remove the skid plate (if present) and the shroud at the front cross member underneath the front of the engine. Both should be removed to gain access to the pitman and idler arms. Set these aside for reassembly later on.
3. Remove the nut holding the outer (factory tie rod) to the spindle. Using an air hammer or puller, remove the tie rod end from the spindle. Repeat this process on the other side. If the truck is equipped with a steering stabilizer, remove the bolt from the frame at this time.
4. Unscrew, but do not remove, the factory lock nuts that hold the centerlink to the pitman and idler arms. The partially removed nuts will act as a safety mechanism to help catch the centerlink once you break the tapers free. Using an air hammer or puller separate the centerlink from the studs, remove the nuts and the centerlink/tie rod assembly from the truck. Set aside to use as a reference for setting up the new tie rod length.
5. Now that the centerlink has been removed move onto the idler support. To save time, you can remove the idler support hardware and take the arm & support out as a complete assembly. Once removed, dry fit the gusset and prep the frame surface for welding. Attach the new idler arm to your new support. Torque to **105 ft-lbs**. Install the support into the frame pocket with the gusset being captured by the hardware. **DO NOT** torque the support at this time.
6. Remove the pitman arm from the steering gear. A pitman arm removal tool may be needed. Once removed you are going to be installing our Uni-Spline pitman arm. Ensure the steering gear is centered prior to installation. To center the steering wheel/steering gear, turn it all the way to the left, then all the way to the right. Count the revolutions, split the difference and install the pitman arm, torque to **273 ft-lbs**.
7. Apply anti seize to the threaded shank on all 4 ends prior to matching the OEM toe setting (reference the OEM tie rod/centerlink assembly for this), ensure all ends are evenly threaded into the body. This should get you "good enough" to drive to the alignment shop. Remove Kryptonite tie rods from centerlink. Install the centerlink onto the pivoting assembly (pitman/idler arm studs) with the engraved logo upright and painted to the front of the truck. Torque these bolts to **82 ft-lbs**. Level the centerlink and torque the idler support bolts to **83 ft-lbs**.
8. You will weld the gusset to the frame at this point then apply a protective coating (spray paint or undercoat). Install tie rods onto the centerlink with the notched ends (LH thread) to the knuckle and the (RH thread) ends to the centerlink. Torque to **74 ft-lbs**. Jam nuts will need to be snugged, final torque with alignment for the jam nuts is **200 ft-lbs**. (Notches shown below)
9. The skid plates and wheels can be reinstalled at this time. The vehicle will need to be professionally aligned. Specs provided on the reverse side of this card.

Notches to
the tires
LH



Smooth ends
to the centerlink
RH



● Weld
 ○ Apply anti seize here
 ○ 105 lb-ft
 ● 46 lb-ft
 ○ 100 lb-ft
 ○ 273 lb-ft

3.6°

Caster

4.4°

0.08°

Camber

0.08°

0.05°

Toe

0.05°

Caster Split
0.8°



Register your parts
HERE

Should you have any questions about these
specifications feel free to contact us

Office hours: M-F 8:00am PST
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More information can
be found here

SAC20492 WARNING: By installing this product, you acknowledge that the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than factory-equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or rollover during sharp turns or abrupt maneuvers. Always wear seatbelts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state. Consult your owner's manual, the instructions accompanying this product, and state laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

INSTALLATION ALIGNMENT NOTE: Your vehicle may require alignment after product installation. You may incur additional costs to align the vehicle.

INSTALLATION HEADLAMP AIM NOTE: In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment after product installation. You may incur additional costs to adjust the headlamp system.

INSTALLATION ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS) NOTE: If your vehicle is equipped with active or passive safety/collision monitoring and/or assistance/avoidance systems including, but not limited to, camera- or radar/sensor-based systems, check and adjust your vehicle's systems for proper aim and function after product installation. In some instances, your vehicle may require OEM dealer service tools and factory-trained technicians to re-calibrate ADAS. You may incur additional costs to adjust ADAS systems.

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