



2005-2026 Super Duty Radius Arm Kit

KRFORD1

Removal:

Step 1 - Raise the truck on a lift until the suspension unloads, taking spring preload off the axle. (Shocks/Sway bar may need to be disconnected). Removing the front wheels & tires will make for easy access to the forward hardware.

Step 2 - Loosen and remove the upper bolt on the radius arm at the axle.

Step 3 - Loosen and remove the rear bolt at the frame, allowing the radius arm to pivot on the lower forward bolt.

Step 4 - While supporting the radius arm, remove the lower bolt. This will free the radius arm from the truck.

Step 5 - Set aside and inspect the bushings on the axle, if worn/cracked replace them at this time.

Installation:

Step 1 - Now in reverse order install your new Kryptonite radius arm. (Refer to Figure 1 for caster plate orientation).

Step 2 - Ensure you have the longer 130mm bolt paired with the caster plates on the lower bolt hole.



Lowest caster setting +2.0° over stock (stock/level)



Midway caster setting +4° over stock (3"-4" Lift with no drop bracket)



Highest caster setting +6° over stock (5"-6" Lift with no drop bracket)

Please note these are baseline settings. Supporting mods (Caster shims/drop brackets) may alter placement based on alignment needs.

Target caster numbers fall between 3.5° to 4.5°

Step 3 - Once the frame bolt is installed (use factory bolt) you will repeat steps 1-7 on the opposite side of the truck.

Step 4 - Now that both radius arms are on the truck, support the axle with jack stands. You may need to lower the truck on the lift to aid in aligning the upper bolts (120mm).

Step 5 - Torque all fasteners with the vehicle on the ground to factory specifications (Torque listed below).

Track Bar Bracket to Frame - 129 ft-lbs

Track Bar to Bracket - 406 ft-lbs

Track Bar to Axle nut - 185 ft-lbs

Radius Arm to Axle Bolts - 222 ft-lbs

⚠️ IMPORTANT SAFETY & LEGAL INFORMATION

Installation should be performed by a qualified technician. Improper installation may result in vehicle damage, loss of control, serious injury, or death.

Always support the vehicle securely with jack stands. Never rely on a jack alone.

Verify all components are installed correctly and torqued to specification before operating the vehicle. After installation, inspect suspension and steering components and check for proper clearance through full travel.

Re-torque all hardware after initial use and periodically thereafter.

User assumes all responsibility for compliance with local laws.

Manufacturer is not responsible for damage or injury resulting from improper installation, misuse, or modification.

By installing this product, the user accepts all risk and liability associated with its use.

Do not exceed manufacturer vehicle load, towing, or performance limits.