

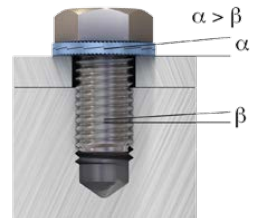
TORQ-MASTERS

INDUSTRIES

AC-X3RGK Can-Am X3 Front Differential Ring Gear Bolt Upgrade Kit Installation Manual

Thank you for your purchase of the AC-X3RGK Can-Am X3 front differential ring gear bolt upgrade kit by Torq-Masters Industries. This upgrade kit replaces the stock Can-Am ring gear bolts with upgraded M8 bolts. Also included in the kit are specialty Nord-Lock locking washers and 271 High Strength Threadlocker.

More about Nord-Lock: Nord-Lock wedge-locking products are recognized around the world for their ability to secure bolted joints exposed to severe vibration and dynamic loads. The system cannot loosen unintentionally as it creates a wedge underneath the bolt head/nut. An ideal solution for bolted joints where failure is not an option. Nord-Lock wedge-locking technology secures bolted joints with tension instead of friction. The system comprises of a pair of lock washers that has cams on one side and radial teeth on the opposite side. {www.Nord-Lock.com}



To put it simply, Nord-Lock washers take more ft-lbs of torque to release than they do to tighten.

More about 271 High Strength Threadlocker: Loctite® Threadlocker Red 271™ is designed for the permanent locking and sealing of threaded fasteners. The product cures when confined in the absence of air between close fitting metal surfaces. It protects threads from rust and corrosion and prevents loosening from shock and vibration. It is only removable once cured by heating up parts to 500°F (260°C). Recommended use on metal fasteners up to 1" (25 mm) in diameter such as bolts on decks, ready-to-assemble furniture, mounts, rings, gear bolts and frame bolts. {www.loctiteproducts.com}

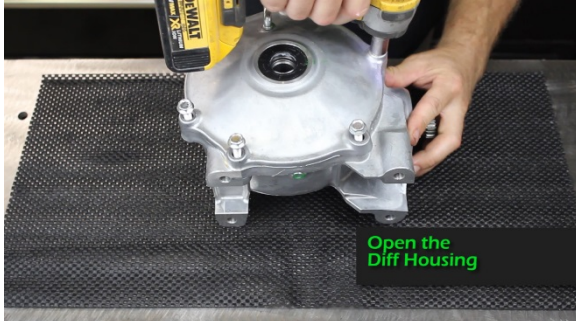
More about Upgraded M8 Ring Gear Bolts: This kit includes upgraded M8, ISO 4762 Hex Drive Class 12.9, Black Oxide Finish Alloy Steel Socket Cap bolts. Class 12.9 metric bolts are the highest class for strength which exceeds Grade 8. Socket Head Cap screws are ideal for precision work with close tolerances and applications needing a well tooled appearance. Socket Head Cap screws supply greater tensile strength than equivalent Hex Head Caps screws, while requiring less surface area to counterbore.



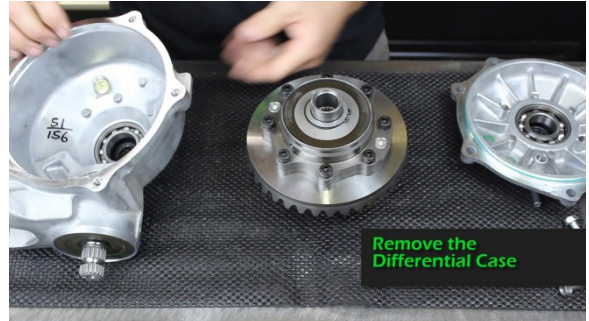
Can-Am X3 Front Differential Ring Gear Bolt Upgrade Kit Contents

- Qty 8, M8 Bolts
- Qty 8, Nord-Lock Lock Washers (each washer system consists of 2 camming washers glued together)
- Qty 1, Loctite® Threadlocker Red 271™

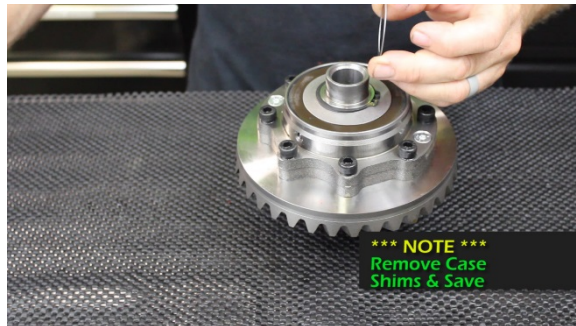
Can-Am X3 Front Differential Ring Gear Bolt Upgrade Kit Install Instructions



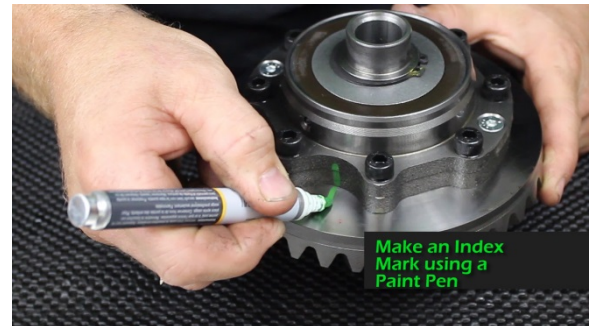
1.) Open the Differential housing



2.) Remove the Differential case



3.) Remove any differential case shims and Save.



4.) Make an Index mark using a paint pen. Mark the ring gear and differential case.



5.) Remove the ring gear



6.) Clean the ring gear bolt holes in the differential case with brake cleaner.



7.) Clean the ring gear bolt holes with Brake Cleaner



8.) Used compressed air to evaporate the break cleaner in ring gear bolt holes. (wear safety glasses)



9.) Prepare your Ring Gear Bolt Upgrade Kit. Layout all the parts.



10.) Clean new bolts with Brake Cleaner and compressed air.

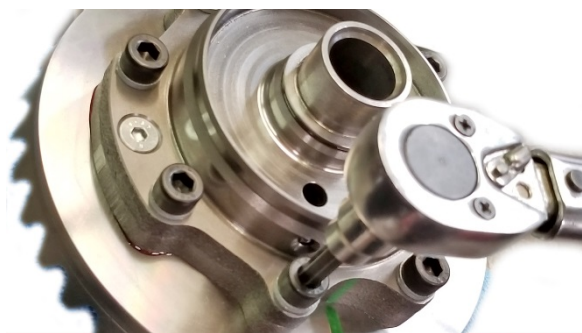


11.) Slide washers onto bolts. Apply a couple of drops of supplied Threadlocker to the end of each bolt.



12.) Align the index paint line and screw in Bolts, hand tight.

****Thread Locker Best Practices**** - Loctite® Threadlocker Red 271™ takes 24 hours to fully cure. Best Practice is to let the differential sit for 24 hours before filling the differential housing with oil.



13.) Torque ring gear bolts in a star Pattern.

Torque Specification = 27 ft-lbs



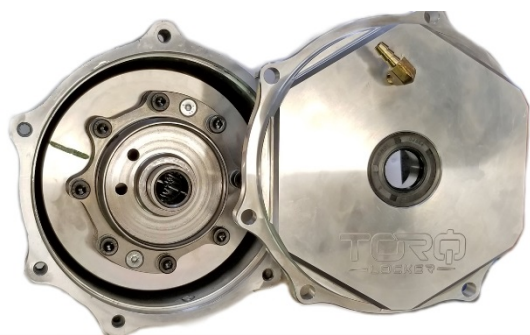
14.) Reinstall diff case shims in the Original location



15.) Lubricate the diff cover o-ring (aftermarket or stock cover) with gear oil



16.) ** Optional ** apply Blue Thread Locker to diff cover bolts (not supplied in kit, not required in the Can-Am Manual).



**17.) Reinstall the diff cover bolts, hand tight. Use a torque wrench and torque Diff cover bolts in a star pattern.
Torque Specification = 17 ft-lbs**

{End of Manual}

Please direct any questions to: info@torqmasters.com

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