

CAN-AM FRONT DIFF ADAPTER NUT

FOR DOUBLE ROW PINION BEARING

These instructions cover: CAN-705401820-HD



OVERVIEW

The Weddle Industries Can-Am adapter nut is used in conjunction with the CAN-705401821-HD double row pinion bearing in the Visco-Lok and Smart-Lok front differentials to help prevent failure of the needle bearing in the main housing due to the axial forces placed on the pinion shaft from the center drive shaft as the chassis flexes over rough terrain. The wider double row bearing replaces the factory single row ball bearing, and offers much better support for the pinion shaft. This greatly reduces the load on the needle bearing and main case allowing these items to withstand these loads and extend the life of the needle bearing and main housing.

Removal and installation of these parts requires special tools not available through Weddle Industries and will need to be sourced elsewhere. The Weddle Industries adapter nut will utilize the same tools and fixtures required to remove the factory pinion nut. No other factory parts will need to be modified to utilize these components.

INSTALLATION INSTRUCTIONS:

- Thoroughly clean all of the old and new parts of oil and contaminants before proceeding. Ensure that the threads on the pinion shaft and the Weddle adapter nut are clean of any rust preventative or old Loctite. Use brake or carb cleaner on the threads to ensure a clean surface. Any residual oil on these parts will interfere with the Loctite and not allow the Loctite to set, resulting in the adapter nut working itself loose.
- Lightly tap with a hammer, or press the adapter nut into the CAN-705401821-HD double row bearing. The adapter nut will have a slight interference fitment with the bearing.



- Test fit the adapter nut/bearing assembly onto the pinion shaft and ensure assembly can thread all the way onto the shaft by hand. Do not force the adapter/bearing assembly onto the shaft as parts can gall and damage both adapter nut and pinion shaft. (If nut/bearing assembly does not want to easily thread onto the shaft, use some sandpaper to break the sharp edge of the ground surface on the pinion shaft to help the assembly install onto the shaft. See picture)



- Remove adapter nut/bearing assembly and apply a liberal amount of high strength Loctite (242-Red) to the threads and ground surface of the pinion shaft to prevent the adapter nut from coming loose.
- Use fixture/tools to torque nut to 200 ft/lbs. Check to make sure bearing spins freely after torquing nut.
- Continue with diff assembly using the factory service manual.
- Allow 24 hours before filling diff with oil to allow Loctite to set. Failure of Loctite to set will allow nut to spin loose and require removal and re-installation of components.

IF YOU HAVE ANY QUESTIONS

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