



## REAR GEAR ASSEMBLY

# BREAK-IN PROCEDURE

Thank you for choosing GearFX Driveline as your rear gear builder. We put a great deal of care, pride and years of experience into the products we provide, so each customer has the best product built for their vehicle.

New ring & pinion sets need to be broken in correctly to prevent damage. Not following proper break-in procedures will lead to overloading and overheating of the ring & pinion as well as breaking down the gear oil, resulting in premature wear and/or part failure.

### ***Please follow the guidelines below to ensure proper ring & pinion break-in:***

- It is the customer's responsibility to make sure that your housing is completely clean and free from any old oil and debris! Housings that are new or have been blasted for painting or coating are likely to have debris in them from these processes.
- DO NOT use synthetic oil for break-in.
- GearFX recommends using Driven Break-In oil for the break-in period. \*For clutch type differentials (Trac-Loc/Posi), add a friction modifier per manufacturer's specifications.
- Fill gear assembly to the proper level per manufacturer's specifications. Aftermarket housings can vary on oil capacity.
- Drive conservatively for 15 to 20 minutes at varying speeds. No hard accelerations, decelerations or towing.
- Stop to allow differential to cool completely.
- Repeat this process 2 – 3 times.
- After approximately 500 miles, drain the break-in oil. (This is best done when the gear assembly is still warm.) The break-in process creates a small amount of debris. This step helps flush unwanted debris from the housing. If excessive debris is noticed, further inspection of the ring and pinion is required.
- For TruTrac style differentials, fill to the proper level with Driven 75W140 Synthetic Oil.
- For clutch type differentials (Trac-Loc/Posi), fill to the proper level with Driven **LS75W140** Synthetic Oil which contains its own friction modifier. If you choose to run your own oil, addition of a friction modifier is required.

If you have any other questions, issues or concerns, please contact our Customer Service Team at **704-799-0955 / [info@gearfxdriveline.com](mailto:info@gearfxdriveline.com)**

Thank you for your trusted business. We hope you enjoy your new GearFX Driveline rear gear!