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## UNIT INSTALLATION AND TROUBLE SHOOTING GUIDE

New Venture Gear 247J

Before attempting any diagnostic work or trouble shooting on this transfer case, make sure that the tire pressures and circumference are all the same. Do not just compare tire sidewall labels; you must measure each tire around the center of the tread. A stagger gauge will let you do this with the vehicle on the ground in 5 minutes. The tires must match in size to  $\frac{1}{4}$ " (.250) if they do not, sell the customer on a new set of tires and again measure them. Mismatched tire sizes and pressure will make it impossible to correctly diagnose the transfer case problems and will cause the clutch pack in the pump coupler to fail rapidly. This clutch pack is a sealed item and is not warrantee able due to mismatched tires.

Rebuilt transfer cases are supplied with a new OEM pump coupler which will need about 100 miles to break in. For maximum clutch pack life change fluid every 12,000 miles using only RSG247M fluid.

Always check the front drive shaft for balance and runout; this is a very high failure part.