



150 Route 17
PO Box 13
Sloatsburg, New York 10974
(845) 753-2005
(800) 227-1523 Nationwide
fax (845) 753-2330
WWW.RSGEAR.COM

Email MWEINBERG@RSGEAR.COM

UNIT INSTALLATION AND TROUBLE SHOOTING GUIDE

New Venture 233/243

Before attempting any diagnostic work or trouble shooting on the transfer cases, 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 1/4" (.250) if they do not sell the customer on a new set of tires and again measure them. Mismatched tire sizes and pressures will set codes, cause early clutch pack failure, and cause wheel hop and tire scrub around turns.

No shift to 4WD or 4WD Low: disconnect battery ground for 30 seconds to clear ECM. If there are still no shifts check for loose or corroded connections at the encoder motor or bad grounds. Any change in resistance will cause the ECM to set codes or not to shift. If the shift problem is not now resolved obtain the proper service manual and begin the diagnostic routines as specified. Do not skip any steps.

Fill these units with RSG400+ fluid and change fluid every 12,000 miles for maximum durability.