

ALLISON 1000 P0731 to P0735 gear ratio errors

Ever hear the saying “*when you hear hoof beats, think horses*”?

If you are working on a Chevy or GMC with an Allison transmission and a NVG263 transfer case exhibiting a P0735, and a slight flair or neutral during the 4-5 shift, the problem may not be where you think it is. This problem can also show up in the lower gears but usually in 5th.

What’s happening here is the transfer case is jumping out of gear. The high / low range fork has worn out which lets the unit jump out of gear. You may hear a grind noise if you listen close when it neutrals.

To verify the problem take a snapshot with your scanner when the problem occurs. Look at the turbine sensor RPM before the code sets. If you see a 1000 – 1500 RPM increase check the transfer case first. Roll down the window, do you hear a grind during the flair? If so the transfer case needs repair. Take a look at the fork pictured below:



So next time you get ratio codes and hear those hoof beats, that transmission problem just may be a Zebra.