

K/T Truck NV246/nv263/ NV126/NV226 Applications

4WD Inoperative, 4WD Indicator Lights Flashing, Possible DTC's Set

4WD inoperative, 4WD switch indicator lamps flashing, possible DTC's include P0700, P0836, P0500, C0327, C0500, C0550 in the different modules. Any or all of the above DTC's may be set in any combination. A grinding noise from the front axle area may also be heard or felt.

Several different areas may cause the above condition, they include:

- Code C0550, if this code is present the Transfer Case Control Module will need to be replaced
- Chafed TCCM wiring harness at the park brake cable release spring area
- Pin tension, connector crimp concerns at the encoder motor (pins A, B, C, D, E, F and G, TCCM (Connector C1 pins B2, A7 (common problem), Connector C2 pins A8, Connector C3 pins A, B, C, D. Connector C151 Pins A, F, G, E, Connector C154 pins A, B and C and the under hood relay center.
- TCCM (G110), Engine (G103) (G104 and G107 on the back of the engine, it is common for these to be loose) and Body grounds. Check ground G201 (part of splice pack SP201) and ground G102.
- If the condition has persisted for any length of time always check the front axle wiring as well as the condition of the shift sleeve teeth in the front axle assembly.
- If DTC C0327 sets only when a shift to 4HI is commanded inspect the fluid for contamination. If the fluid has metal in it the transfer case may need to be replaced.

If none of the above items seem to be addressing the problem the cause is likely an encoder sensor. Prior to removing the encoder motor assembly, make sure the transfer case is in Neutral (NV246) or 2WD HI (NV263). If the unit will not shift, remove the transfer case fuse (generally marked TREC 30 Amp) located in the under hood fuse block (UBEC). After reinstalling the fuse, the T-case will generally shift allowing you to attain the desired position. If the unit is a 2003 or later, update the TCCM software prior to returning it to the customer.