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Staffs/Elite Transaxels **Torque Specs, Wear Limits and Setup Numbers**

- Rear cover nuts (1/4"-28) 4 ft-lb
 - Bearing carrier and sideplate nuts (5/16"-24) 10-12 ft-lb
 - Main pinion shaft nut (7/8"-20, with blue Loctite) 115 ft-lb
 - Layshaft nut (both 7/8"-20, with blue Loctite) 115 ft-lb
 - Shift fork nuts (self locking with Red Loctite) 35 ft-lb
 - Main pinion bearing retainer plate bolts (with red Loctite) 20 ft-lb
 - Main pinion bearing nut (with red Loctite) 180 ft-lb
- Note: check torque of pinion bearing nut at each gear change
- Ring gear bolts (7/16"-20) steel diff (with red Loctite)..... 75 ft-lb
 - Ring gear bolts (7/16"-20) aluminum diff (with red Loctite) 70 ft-lb

Wear Limits

(normally the component is replaced when it reaches this limit)

- Shift fork dog ring groove208"
 - 1st/reverse shift fork (thickness)130"
 - Dog lug maximum rounding (both gear and dog lugs) 25% of lug height
 - Rear layshaft bearing maximum axial play035"
 - Top hat wear no pitting
 - Front layshaft bearing journal no pitting
 - Maximum pinion gear tooth pitting 15% of tooth
 - Differential gears no pitting
 - Shift linkage Apex joints (entire shift linkage) 5° max angular slop
 - Main pinion bearing no play
- Note: the main pinion bearing nut must be tight in order to perform this check.

Set-up Numbers

- Ring and Pinion backlash as marked on R&P
- Differential preload010"-.012"