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### **Hewland FT-200 Transaxels Torque Specs, Wear Limits and Setup Numbers**

- Rear cover nuts (5/16"-24) ..... 10-12 ft-lb
- Bearing carrier and sideplate nuts (5/16"-24) ..... 10-12 ft-lb
- Main pinion shaft nut (7/8"-20) ..... 115 ft-lb
- Layshaft nut (7/8"-20) ..... 115 ft-lb
- Shift fork nuts (self locking with Red Loctite) ..... 35 ft-lb
- Main pinion bearing retainer bolts (with red Loctite) ..... 22 ft-lb
- Ring gear bolts, (7/16"-20) steel diff (with red Loctite) ..... 75 ft-lb
- Fill plugs, tapered pipe (with pipe sealant) ..... 20 ft-lb
- Large fill plug (3/4" BSP)..... 8-10 ft-lb

### **Wear Limits**

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

- Shift fork dog ring groove ..... .208"
- 1st/reverse shift fork (thickness)..... .130"
- Dog lug maximum rounding (both gear and dog lugs)..... 25% of lug height
- Rear layshaft bearing maximum axial play ..... .035"
- Inner track 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 must be compressed by the hub stack  
and the pinion nut tight for this check.

### **Set-up Numbers**

- Ring and Pinion backlash ..... as marked on R&P
- Differential preload ..... (Hewland says "snug"), or if measuring .010"-.012"