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

- Rear cover nuts (6mmx1.0) ..... 4 ft-lb
- Bearing carrier and sideplate nuts (8mmx1.25) ..... 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) ..... 11 ft-lb
- 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
- Large fill/inspection plugs (3/4" BSP) ..... 8-10 ft-lb
- Small fill plugs (3/8" BSP) ..... 6 ft-lb

### **Wear Limits**

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

- Shift fork dog ring groove..... .215"
- Dog lug maximum rounding (both gear and dog ring) ..... 33% of lug height
- Rear layshaft bearing maximum axial play..... .035"
- Front layshaft bearing journal ..... no pitting
- Maximum pinion gear tooth pitting ..... 15% of tooth
- Differential gears ..... no pitting
- Main pinion bearing ..... no grooves in rollers
- Shift linkage Apex joints (entire shift linkage) ..... 5° max angular slop

Note: the main pinion bearing must be compressed by the hub stack  
and the pinion nut tight for this check.

### **Set-up Numbers**

- Pinion bearing preload ..... .000" end- float at room temp  
Note: grind front spacer to set pinion bearing pre- load
- 2. Ring and Pinion backlash ..... as marked on R&P
- 3. Differential preload ..... (Hewland says "snug"), or if measuring .008"- .010"