



Torque specs, wear limits and set-up numbers for Hewland LD-200 Transaxles

Torque Specifications

1. Rear cover nuts (6mmx1.0)	4 ft-lb
2. Bearing carrier and sideplate nuts (8mmx1.25)	10-12 ft-lb
3. Main pinion shaft nut (7/8"-20)	115 ft-lb
4. Layshaft nut (7/8"-20)	115 ft-lb
5. Shift fork nuts (self locking with Red Loctite)	35 ft-lb
6. Main pinion bearing retainer bolts (with red Loctite)	11 ft-lb
7. Ring gear bolts, (7/16"-20) steel diff (with red Loctite)	75 ft-lb
8. Ring gear bolts, (7/16"-20) aluminum diff (with red Loctite)	70 ft-lb
9. Large fill/inspection plugs (3/4" BSP)	8-10 ft-lb
10. Small fill plugs (3/8" BSP)	6 ft-lb

Wear limits

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

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

Set-up numbers

1. 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"