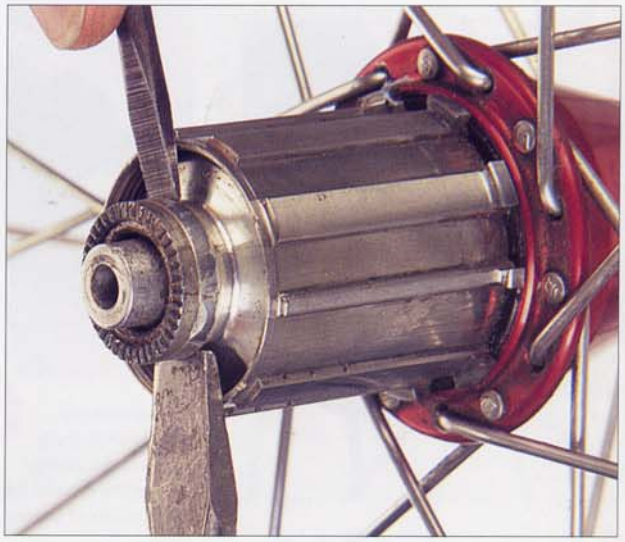
HOPE FREEHUB BODY SERVICE

TOOLS FOR THE JOB
- Two flat screwdrivers
- Grease
- Thin elastic band
- Chain whip
- Cassette tool



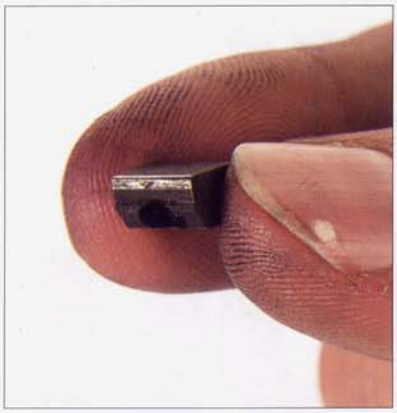
1 Before beginning, remove the cassette in the usual manner. Then clean the cassette body with degreaser and a rag



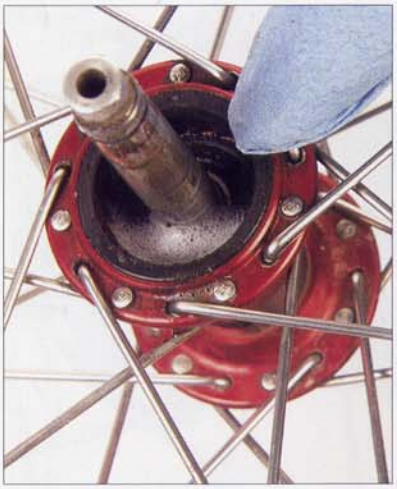
2 Place two large flat-blade screwdrivers under the edge of the drive-side spacer and prise it off. If it doesn't come off easily, don't force it, as it may have seized on. Take the wheel to a shop and let the professionals deal with it



3 With the end cap removed, the freehub body should now slide off. Take care not to lose the alloy shim that sits between the freehub body and inner bearing



4 Remove, degrease and inspect the pawls for damage; if they look chipped or worn, or if the freehub has been slipping intermittently, replace with new ones. A pack of three will cost £12 (springs included)



5 Degrease and wipe clean the ratchet ring in the hub body. The ratchet seal can also be removed and cleaned



6 Lightly grease the ratchet ring

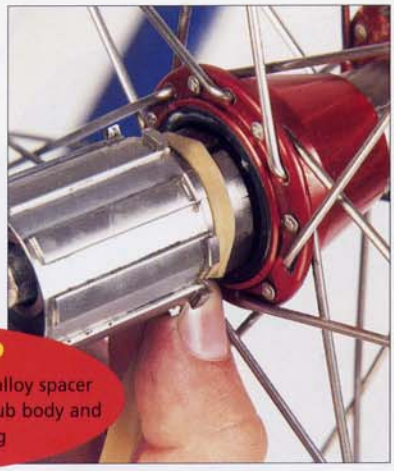
TOP TIP
Don't over-grease as this will increase resistance in the hub, leading to chain-suck and possible derailment



7 Grease the freehub body at the three points where the base of the pawls rest. Place a dab of grease on both ends of the springs, then refit both the pawls and springs. The grease should provide enough resistance to hold everything in place



8 Now slide a thin elastic band around the pawls to compress them



TOP TIP
Remember to replace the alloy spacer that sits between the freehub body and the inner bearing

9 Slide the freehub body back into place. Remove the elastic band and rotate the freehub body anti-clockwise to seat the internals



10 Replace the drive-side spacer, and Bob's your uncle