

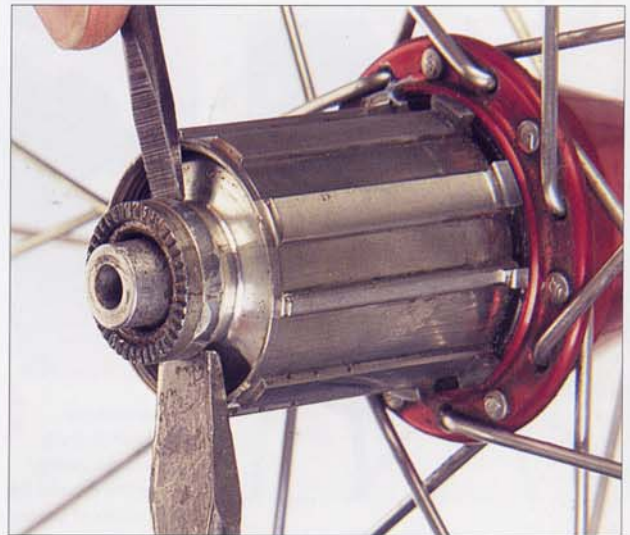
HOPE FREEHUB BODY SERVICE

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

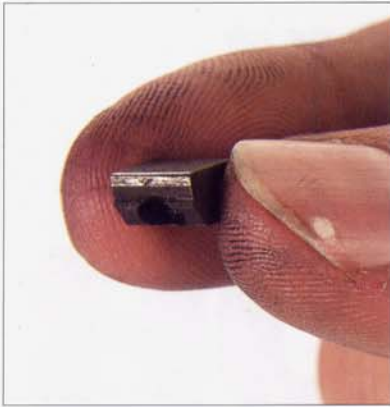


2 Place two large flat-blade screwdrivers under the edge of the drive-side spacer and prise it off. If it doesn't come off easily, don't force it, as it may have seized on. Take the wheel to a shop and let the professionals deal with it



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

WORKSHOP



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)

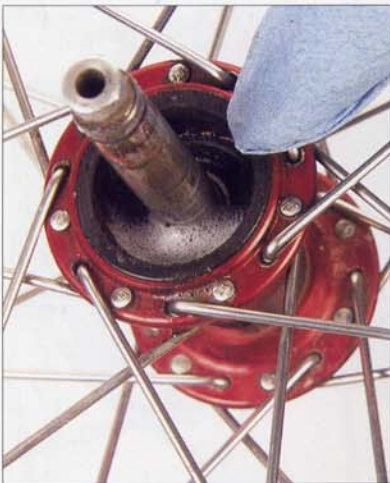


6 Lightly grease the ratchet ring

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



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



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



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

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