

Workshop 16

Auto free wheel hubs strip, clean and grease

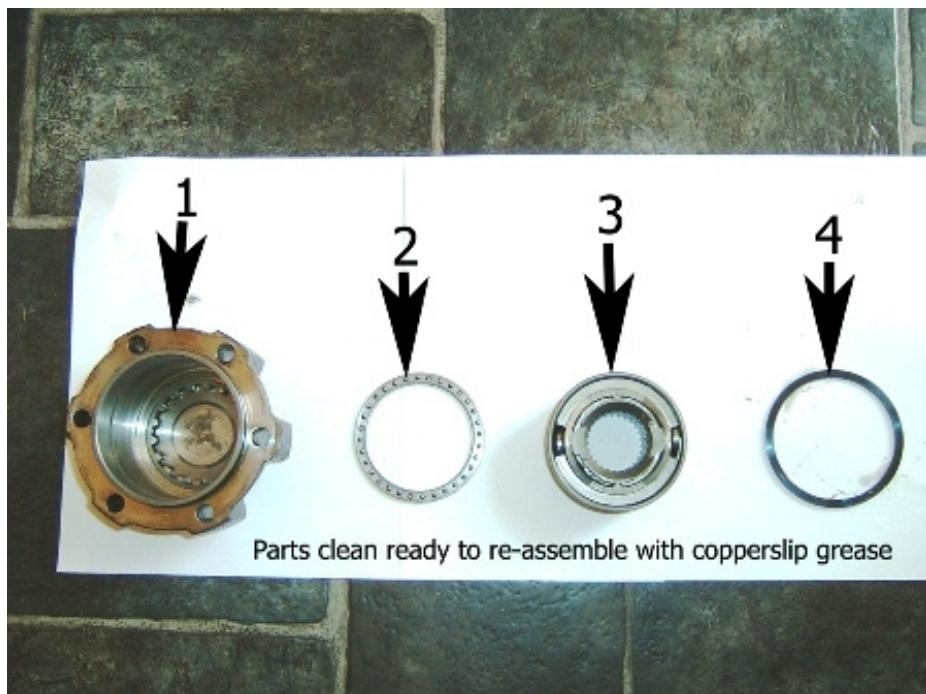
Mistral 1995 2.7Td

Symptoms (Auto hub dragging on driveshaft with possible auto locker engaging in normal driving, possible lower MPG from dragging, possible cause of broken snap rings regularly, excessive heat from auto locker once driven for some time)

Remedy

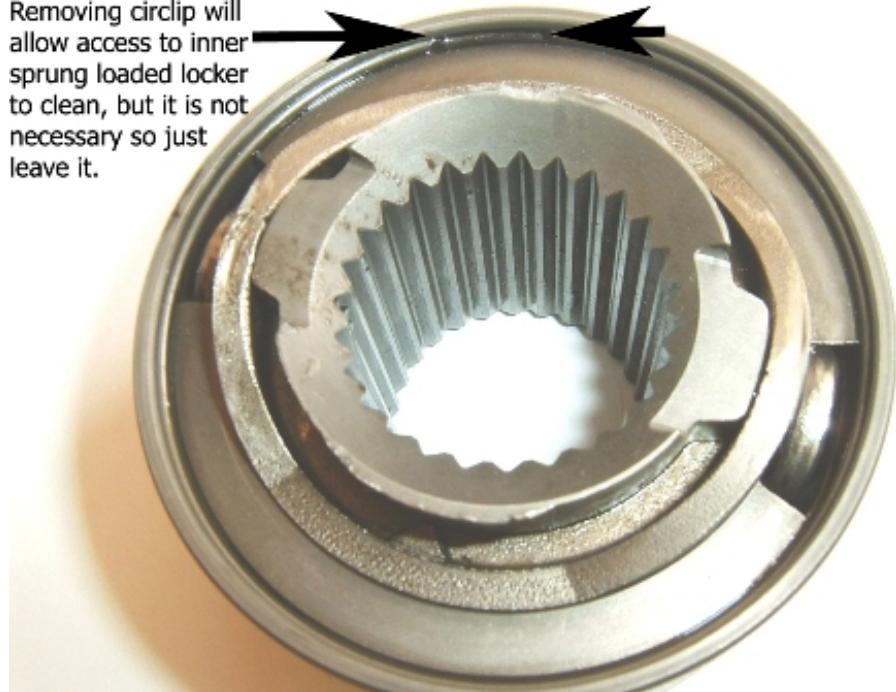
- 1: Remove auto free wheel hub from vehicle,
- 2: Remove main internal spring circlip part # 4 from hub body,
- 3: Draw out the main locker assembly part # 3 from hub body part # 1,
- 4: Carefully lift out part # 2 (warning small bearings loose, they will drop out!)
- 5: Degrease all four parts as numbered in picture # 1,
- 6: Spray copper-slip grease inside hub body part # 1,
- 7: Spray copper-slip on topside of part # 2 once refitted in hub body,
- 8: Spray copper-slip to all of part # 3 and refit in hub body,
- 9: Refit part # 4 in the groove inside hub body,
- 10: Spray all inside hub body once more,
- 11: Refit spring and snap ring (in auto hub) and spray with copper-slip
- 12: Auto hub now assembled should spin on fingers freely
- 13: Clean old grease from driveshaft and snap ring (on driveshaft),
- 14: Spray parts with copper-slip (on driveshaft)
- 15: Refit auto hub
- 16: Reverse & drive forward in 2wd, 2-3 times to disengage the snap rings in hub

Picture No1



Picture No 2

Removing circlip will
allow access to inner
sprung loaded locker
to clean, but it is not
necessary so just
leave it.



Picture No 3

Parts re-assembled
and coated with
copperslip grease

