

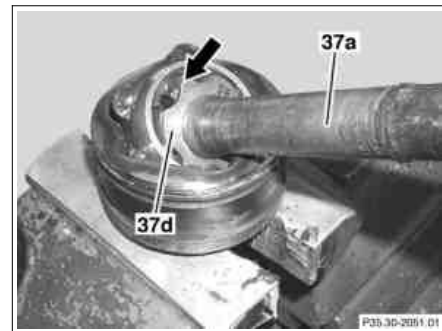
Dismantle constant velocity joint

1 Mark the position of the joint ring (37c), joint hub (37d) and ball retainer (37f) in relation to one another.



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2 Align rear axle shaft (37a) so that narrow step (arrow) of joint hub (37d) points upward.



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3 Use a suitable tool to press the two top balls out of their race.



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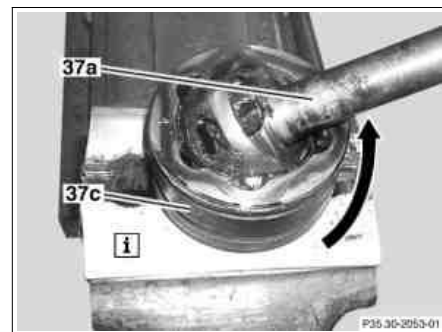
4 Tilt rear axle shaft (37a) and turn slightly to remove from the joint ring (37c).

i Hold the remaining balls in place when removing.

5 Remove remaining balls from joint ring (37c).

6 Remove ball cage from joint hub.

7 Clean all parts.



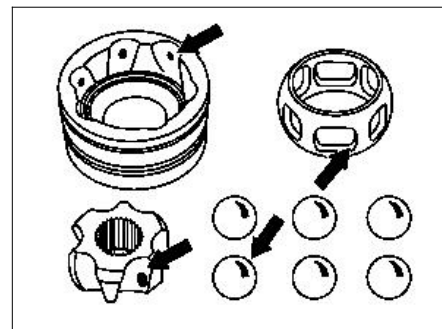
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Check constant velocity joint

8 Check joint ring, joint hub, ball retainer ball raceways and ball bearings for depressions (pitting) and traces of wear (arrows).

i If these components display major wear then the entire rear axle shaft should be replaced. Smooth areas and running marks caused by the balls do not indicate any need to replace the rear axle shaft.

i If the outer constant velocity joint is defective, then the rear axle shaft must be replaced.



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Assembling CV joint

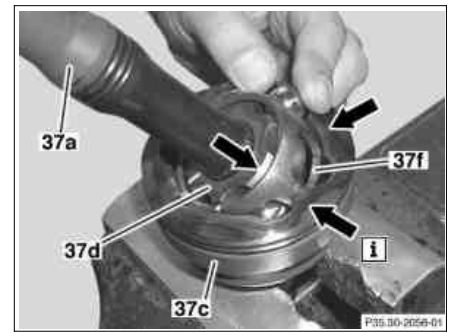
- 9 Insert rear axle shaft (37a) with joint hub (37d) and ball retainer (37f) into joint ring (37c) and align so that balls can be inserted.

i Before inserting the joint hub (37d), pack half the grease provided in the repair kit into the joint ring (37c).

- 10 Position ball retainer (37f) onto joint hub (37d).

i Watch the alignment marks made earlier. If a marking was not made the ball retainer (37f) has to be positioned on the joint hub (37d) such that a wide bar of the joint hub (37d) is always opposite a narrow bar of the joint ring (37c).

- 11 Insert balls one after the other.



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