

Products affected in series

Truck						Bus					Engine (I&M)		
3	4	P	G	R	T	3	4	K	N	F	P93	P96	E2011
-	X	X	X	X	-	-	-	X	-	-	-	-	-

**Miscellaneous:** Trucks with central gear RBP735, RBP835, RP735 or RP835.

## New versions of central gears are introduced as spare parts

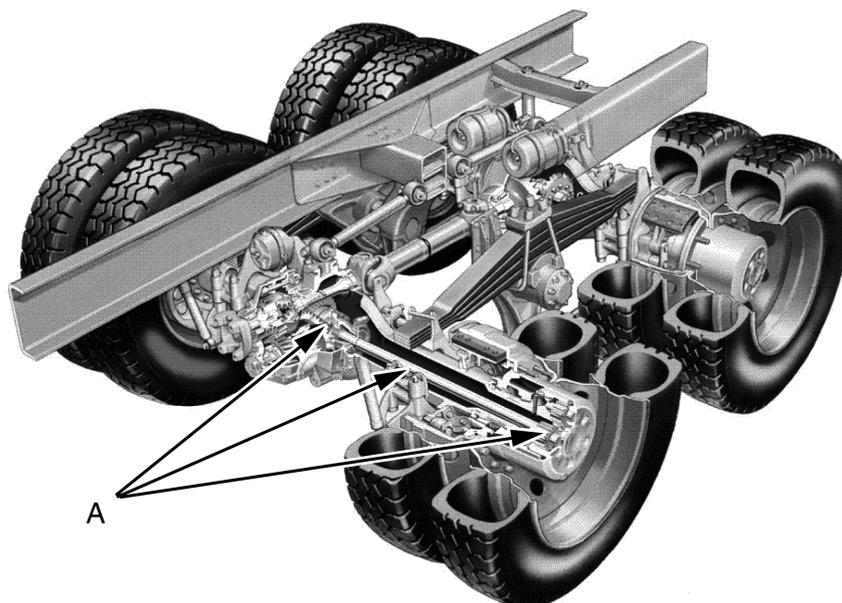
### Changes

The following changes have been made in this issue:

- The part list on page 3 and 4 has been updated.

### Background

Trucks with hub reduction gears have displayed problems with reducing the pulling power when driving in tough operating conditions. This may lead to insufficient comfort, poor performance and in worst case serious damage to the half shafts **A** and other components.



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## Production solution

A number of improvements to the powertrain, primarily at the half shafts, have been introduced in stages to reduce powertrain judder. Amongst other things, the increased diameter of the half shafts has had a major effect. These actions have led to a much improved service life for the central gears.

This modification was introduced into production from the following chassis or engine serial numbers:

### Truck

Scania Södertälje	2 054 515
Scania Zwolle	5 240 806
Scania Angers	9 149 074
Scania São Paulo	3 667 377

## Service solution

If the central gear needs to be rebuilt or if the central gear assembly needs to be renewed, follow the description in *Workshop manual, section 08-05, Axle gear*.

## Parts

Due to the fact that the diameter of the half shafts has been increased, other parts, such as the sun wheel in the hub reduction gear, washers, differential pinion, differential housing and oil pipes, must be modified to fit.

New part numbers for central gears for which a spare part has been introduced. This is because the modifications have meant that the new concept cannot be used on vehicles manufactured before the chassis serial number limits under *Production solution*.

**Additional parts needed if a new central gear is to be used on an old vehicle.**

<b>Designation</b>	<b>Discontinued part</b>	<b>New part</b>	<b>Qty</b>
Half shaft on the differential lock side	1 851 412**	1 926 815	1
Half shaft	1 796 006**	1 926 816	1
Retaining ring	1 120 869**	1 926 852	2
Sun wheel, 3.81	1 414 588**	1 926 832	2
Repair kit, oil pipe, RP835	-	1 938 203	1
Repair kit, oil pipe, RBP835	-	1 938 204	1
Repair kit, oil pipe, RP835 bus	-	1 941 948	1
Repair kit, RP735	-	1 947 976*	1
Repair kit, RBP735	-	1 947 977*	1

\* The repair kit contains a rear axle housing assembly that has been adjusted to the new oil pipes.  
 \*\* The part is still available as spare part for the old version.

**Components to be used to rebuild a vehicle  
with the old central gear.**

<b>Designation</b>	<b>Discontinued part</b>	<b>New part</b>	<b>Qty</b>
Differential housing, RP/RBP835	1 930 261**	1 920 895	1
Differential housing, RP/RBP735	1 867 361**	1 926 819	1
Differential housing, RP/RBP835, right-hand drive	1 408 136**	1 926 821	1
Differential housing, RP/RBP735, right-hand drive	1 431 676**	1 926 820	1
Adjusting screw, RP/RBP735	1 122 915**	1 926 825	1
Guide sleeve, RP/RBP835	-	1 926 827	1
Guide sleeve, RP/RBP735	-	1 926 826	1
Half shaft, the differential lock side	1 851 412**	1 926 815	1
Half shaft	1 796 006**	1 926 816	1
Clutch half	1 733 856**	1 920 894	1
Differential gear	1 408 146**	1 926 822	2
Thrust washer	1 511 655**	1 926 829	2
Sun wheel, 3.81	1 414 588**	1 926 832	2
Repair kit, oil pipe, RP835	-	1 938 203	1
Repair kit, oil pipe, RBP835	-	1 938 204	1
Repair kit, oil pipe, RP835 bus	-	1 941 948	1
Repair kit, RP735	-	1 947 976*	1
Repair kit, RBP735	-	1 947 977*	1

\* The repair kit contains a rear axle housing assembly that has been adjusted to the new oil pipes.

\*\* The part is still available as spare part for the old version.

For manufacturing reasons, the current part numbers will apply to the new concept while the new part numbers will apply to vehicles equipped with the old concept.

<b>Designation</b>	<b>Current part numbers</b>	<b>New part numbers</b>
Central gear, RP735 3.67	1 531 345	2 029 174*
Central gear, RP735 3.93	1 531 346	2 029 175*
Central gear, RP735 4.22	1 531 347	2 029 176*
Central gear, RBP735 3.67	1 531 348	2 029 177*
Central gear, RBP735 3.93	1 531 349	2 029 178*
Central gear, RBP735 4.22	1 531 350	2 029 179*
Central gear, RP835 3.96	1 531 351	2 029 165*
Central gear, RP835 4.27	1 531 352	2 029 166*
Central gear, RP835 4.85	1 531 353	2 029 167*
Central gear, RP835 5.14	1 531 354	2 029 168*
Central gear, RP835 6.5	1 882 578	2 029 163*
Central gear, RBP835 3.96	1 531 355	2 029 169*
Central gear, RBP835 4.27	1 531 356	2 029 170*
Central gear, RBP835 4.85	1 531 357	2 029 171*
Central gear, RBP835 5.14	1 531 358	2 029 173*
Central gear, RBP835 6.5	1 882 579	2 029 164*

\* For vehicles manufactured before the chassis serial number limits under Production solution.