

SCORPION 756 VARIPOWER

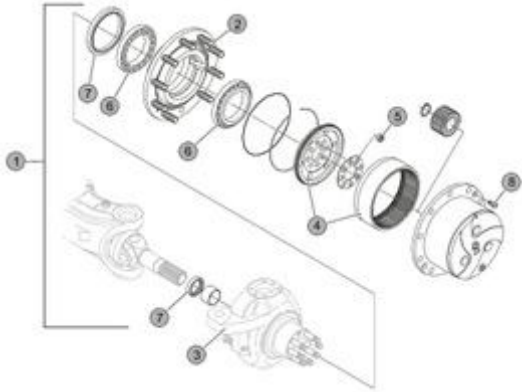
Repair manual

Validity of manual

Machine	Type	Vehicle identification number	
		From	To
SCORPION 756 VARIPOWER	K37	K37 00 021	K37 99 999

Planetary gear

Technical specifications



Ⓜ

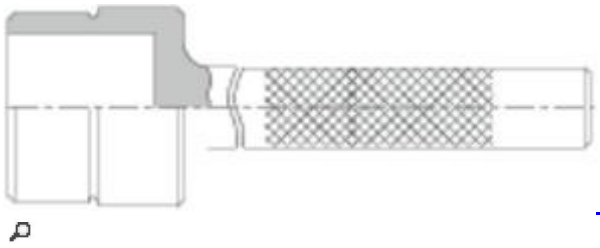
	Value	CCN	Comment/designation	
Tightening not specified, see Introduction / tightening torque chapter				
1			Planetary gear	
2			Wheel hub	
3			Stub axle	
4			Ring gear	
5			Ring gear mounting nuts - Insert nuts with Loctite 242. Tightening specification: 1. 250 Nm 2. 460 to 465 Nm	
6			Wheel bearing	
7			Sealing rings - Coat outer faces with Omnifit FD 10.	
8	40 to 50 Nm		Planetary gear mounting bolts	

Work preparation

Utilities:

- ▶ Sealing agents and glue:
 - Omnifit FD 10
 - Loctite 242

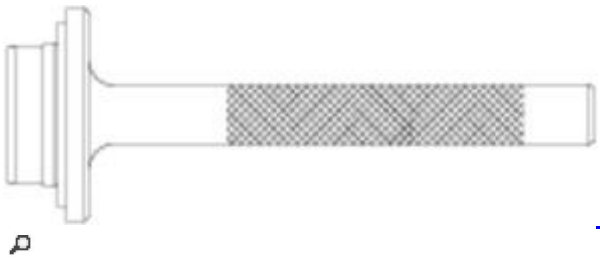
Special tool



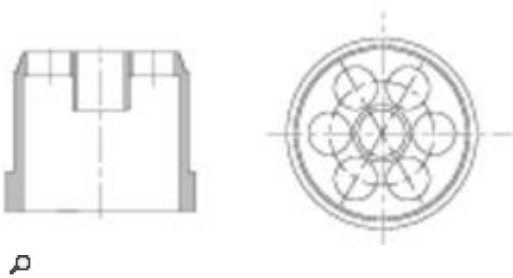
Special tool (I)		Pcs.
1	Installation tool 00 0146 286 0	1



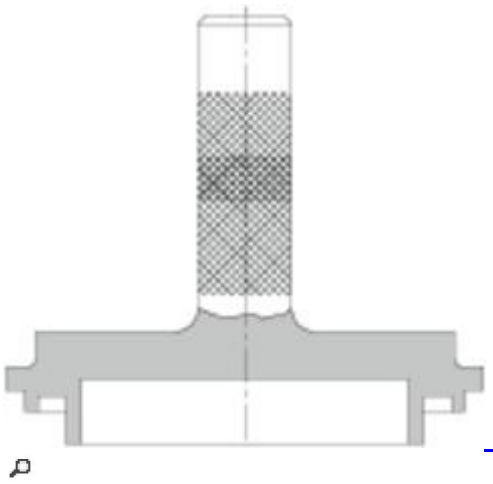
Special tool (II)		Pcs.
1	Installation tool 00 0146 287 0	1



Special tool (III)		Pcs.
1	Installation tool 00 0146 288 0	1



Special tool (IV)		Pcs.
1	Installation tool 00 0146 289 0	1

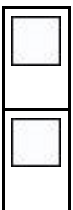


	Special tool (V)	Pcs.
1	Installation tool 00 0146 290 0	1



	Special tool (VI)	Pcs.
1	Installation tool 00 0146 291 0	1

Disassembly

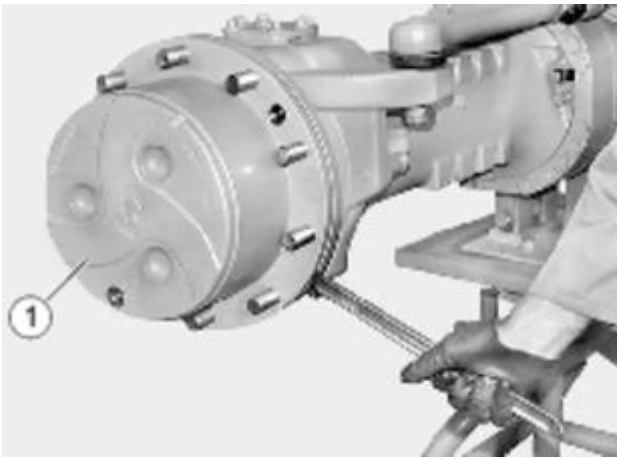


- Park the machine in maintenance position I.
- Drain the oil from the drive axle.



p

- Unscrew bolts (1).



p

- ▶ Remove cover (1) from the wheel hub.



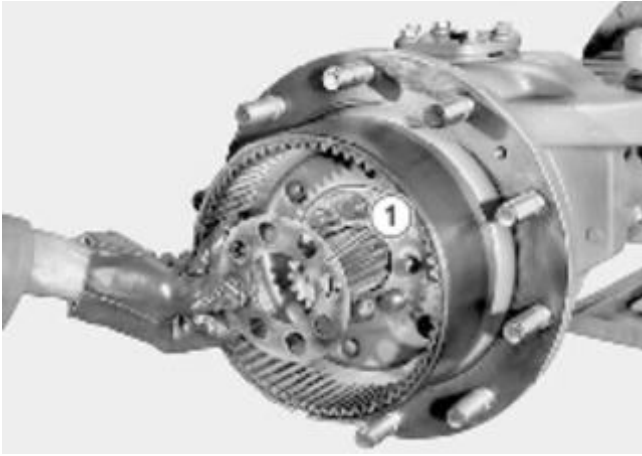
p

- ▶ Remove cover (1).



p

- ▶ Unscrew nuts (1).



p

- ▶ Remove plate (1).



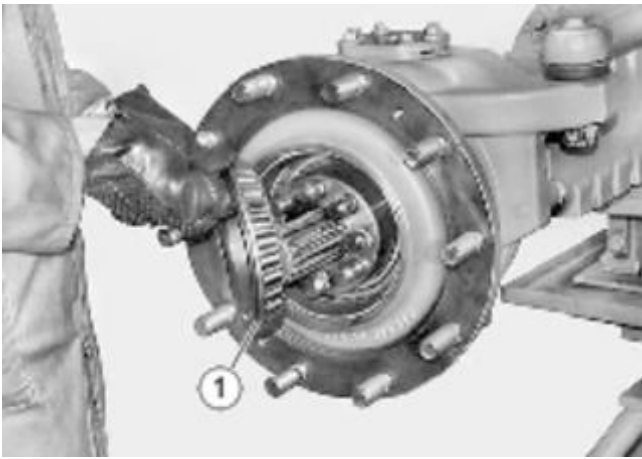
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- ▶ Pull off ring gear (1).



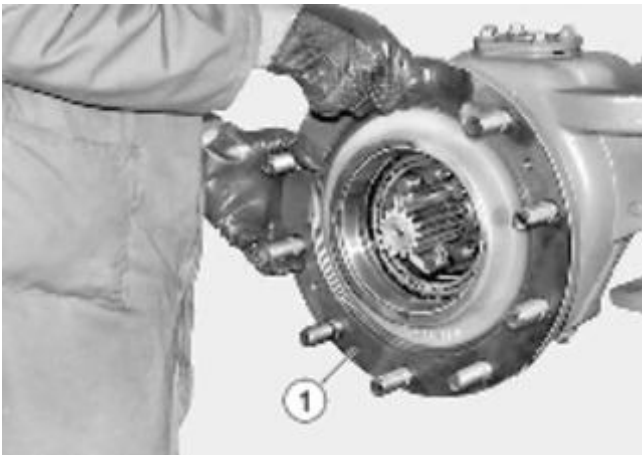
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- ▶ Release wheel hub (1) by lightly tapping it with a plastic-tip hammer.



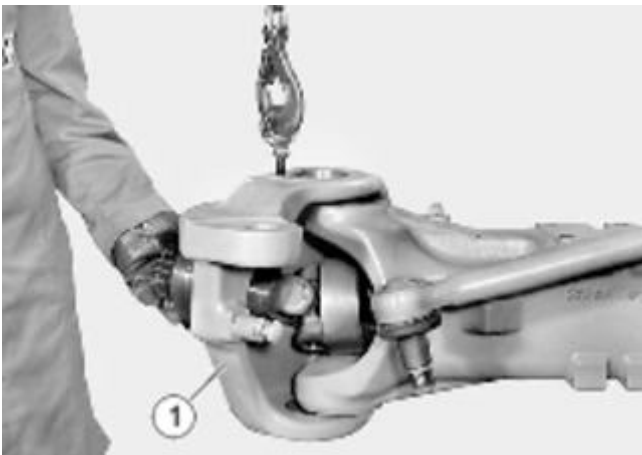
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- ▶ Remove bearing inner race (1).



p

- ▶ Remove wheel hub (1).



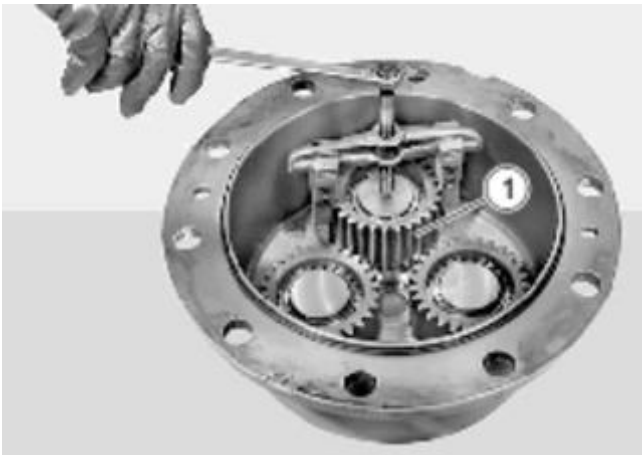
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- ▶ Remove steering knuckle (1).



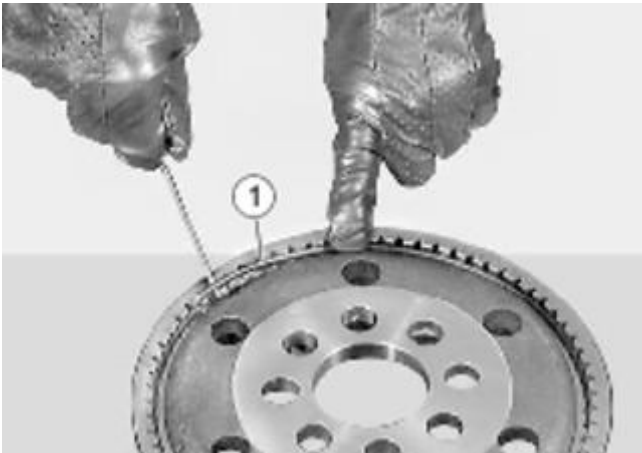
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- ▶ Remove the circlips (1).



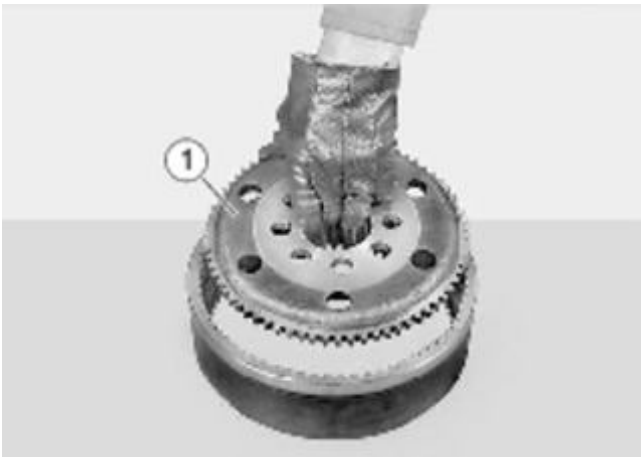
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- ▶ Pull off gears (1).



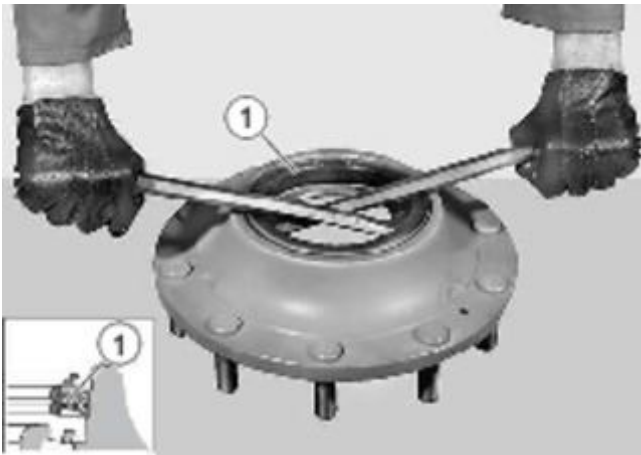
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- ▶ Remove circlip (1).



D

- ▶ Remove flange (1) from ring gear.



D

- ▶ Remove sealing ring (1).



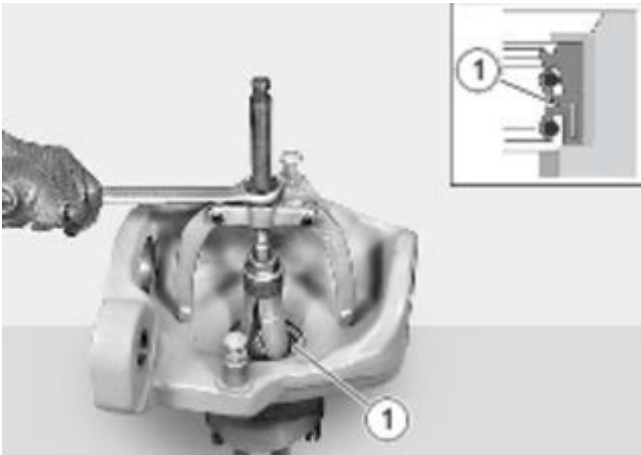
D

- ▶ Remove bearing inner race (1).



▣

- ▶ Remove bearing outer race (1).



▣

- ▶ Remove sealing ring (1).



▣

Use special tool (I):

[Planetary_gear](#)

- ▶ Remove guide sleeve (1).

Assembly

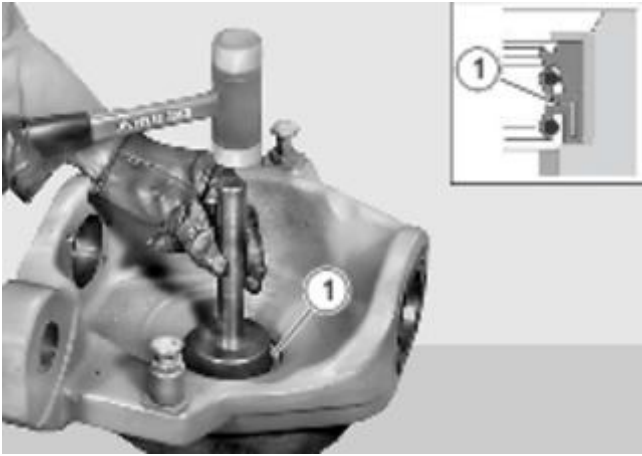


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Use special tool (II):

Planetary_gear

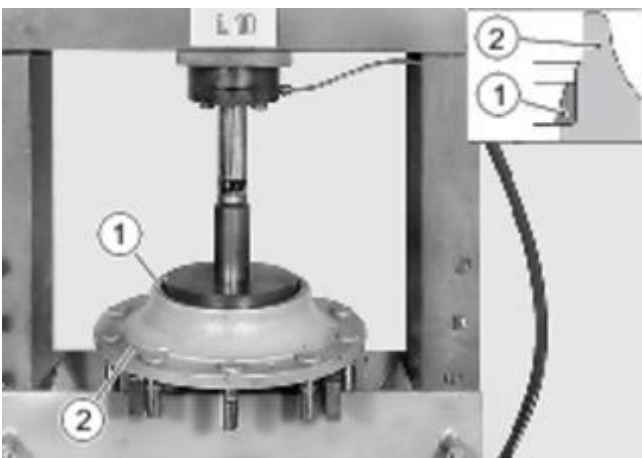
- ▶ Fit guide sleeve (1).



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Use special tool (III):

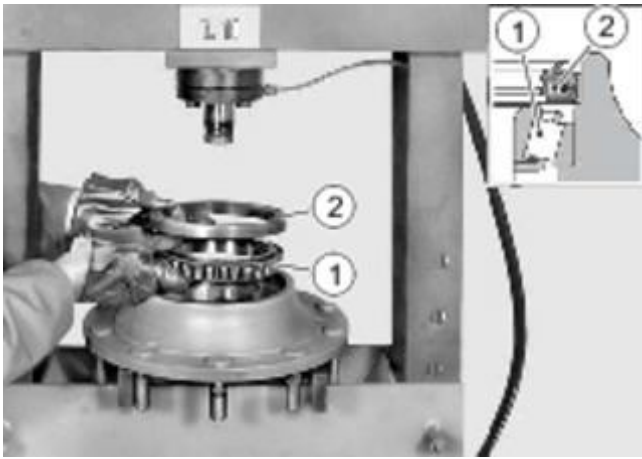
- ▶ Install seal (1).
- ▶ Coat the outer face of the seal with Omnifit FD 10.



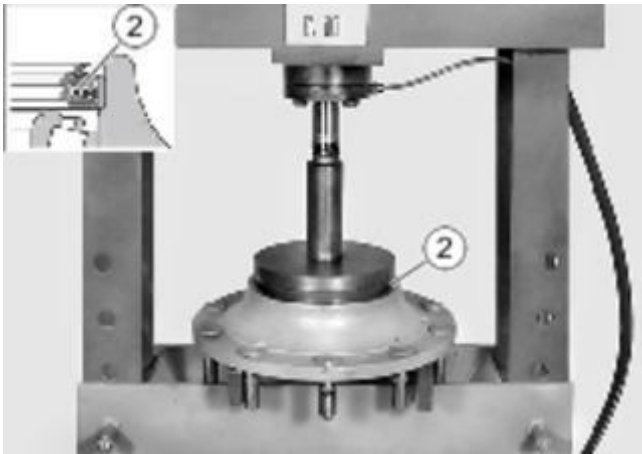
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Use special tool (IV):

- ▶ Press in bearing outer race (1).



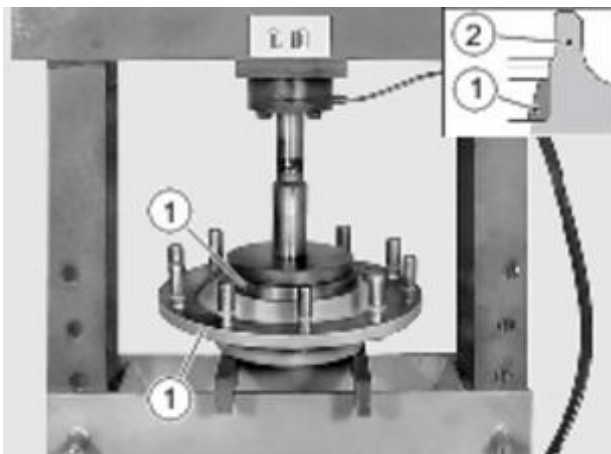
▫



▫

Use special tool (V):

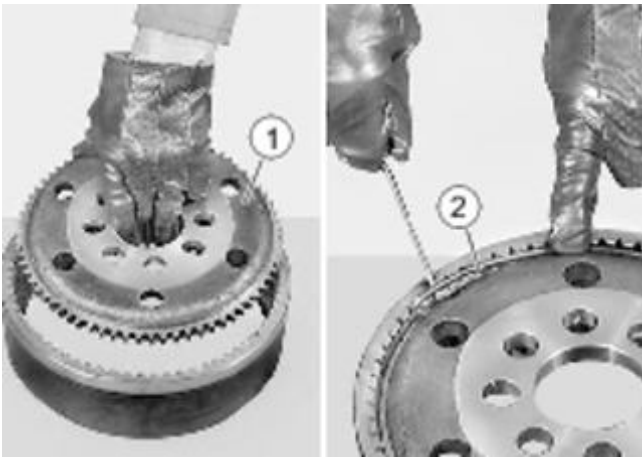
- ▶ Insert inner bearing race (1).
- ▶ Insert seal (2) with special tool (V).
 - ▶ Coat the outer face of the seal with Omnifit FD 10.



▫

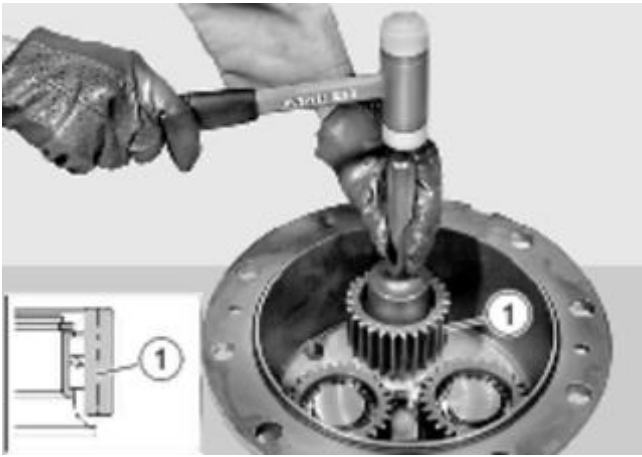
Use special tool (IV):

- ▶ Press in bearing outer race (1).



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- ▶ Insert flange (1) on ring gear.
- ▶ Insert circlip (2).



⌘

Use special tool (VI):

- ▶ Install gears (1).



⌘

- ▶ Insert circlips (1).

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