

FRONT DRIVESHAFT GAITER, REDUCTION GEARING SIDE : REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Type clip pliers for driveshafts with a thermoplastic gaiter.

Tav. 1168

Clip pliers for fitting driveshaft gaiters. For OETIKER type clips.

Tav. 1256

Pliers for the driveshaft gaiter collar.

Tav. 1784

Equipment required

parts washer

WARNING



■ To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

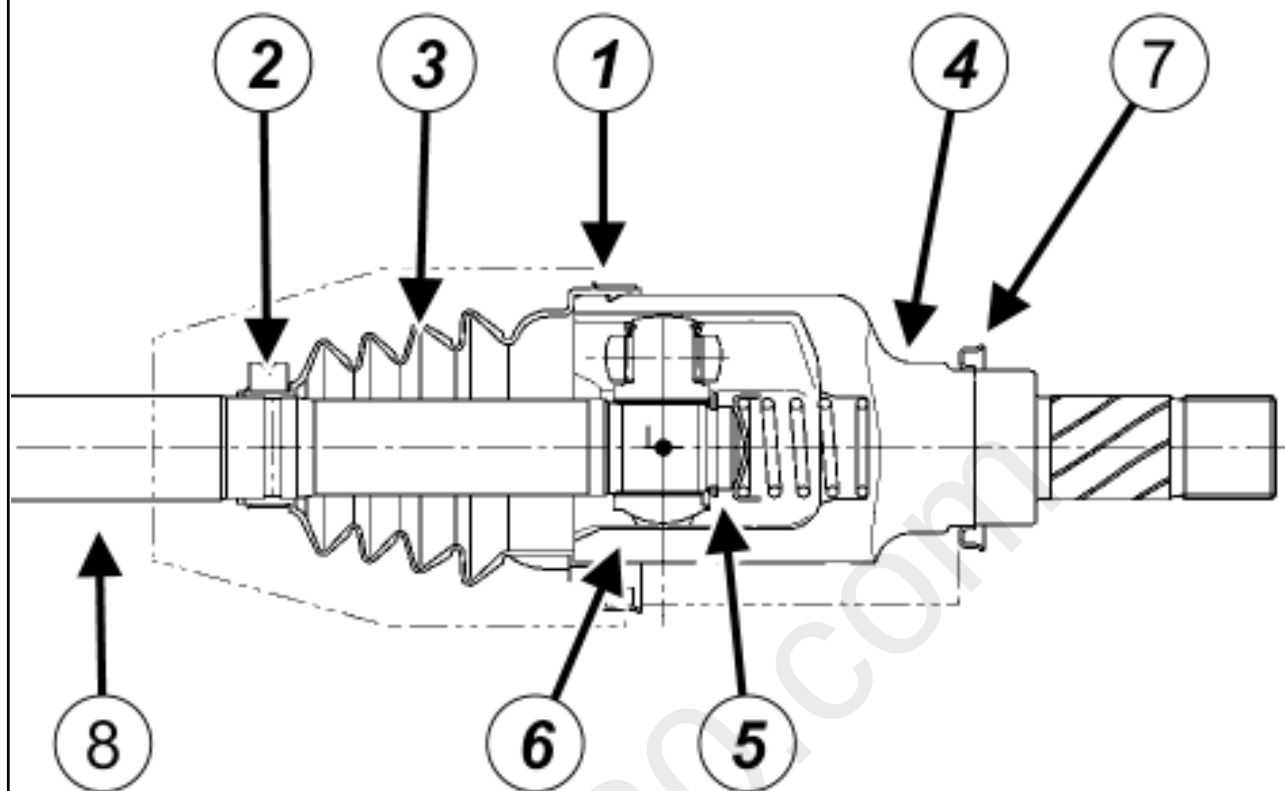
- [\(see 29A, Driveshafts , Driveshaft: Precautions for the repair\)](#) ,
- [Vehicle: Precautions for the repair](#) .



WARNING

Wear leaktight gloves (Nitrile type) for this operation.

Locations and specifications (tightening torques, parts to always be replaced, etc.)[\(see 29A, Driveshafts , Driveshaft assembly: Exploded view\)](#) .



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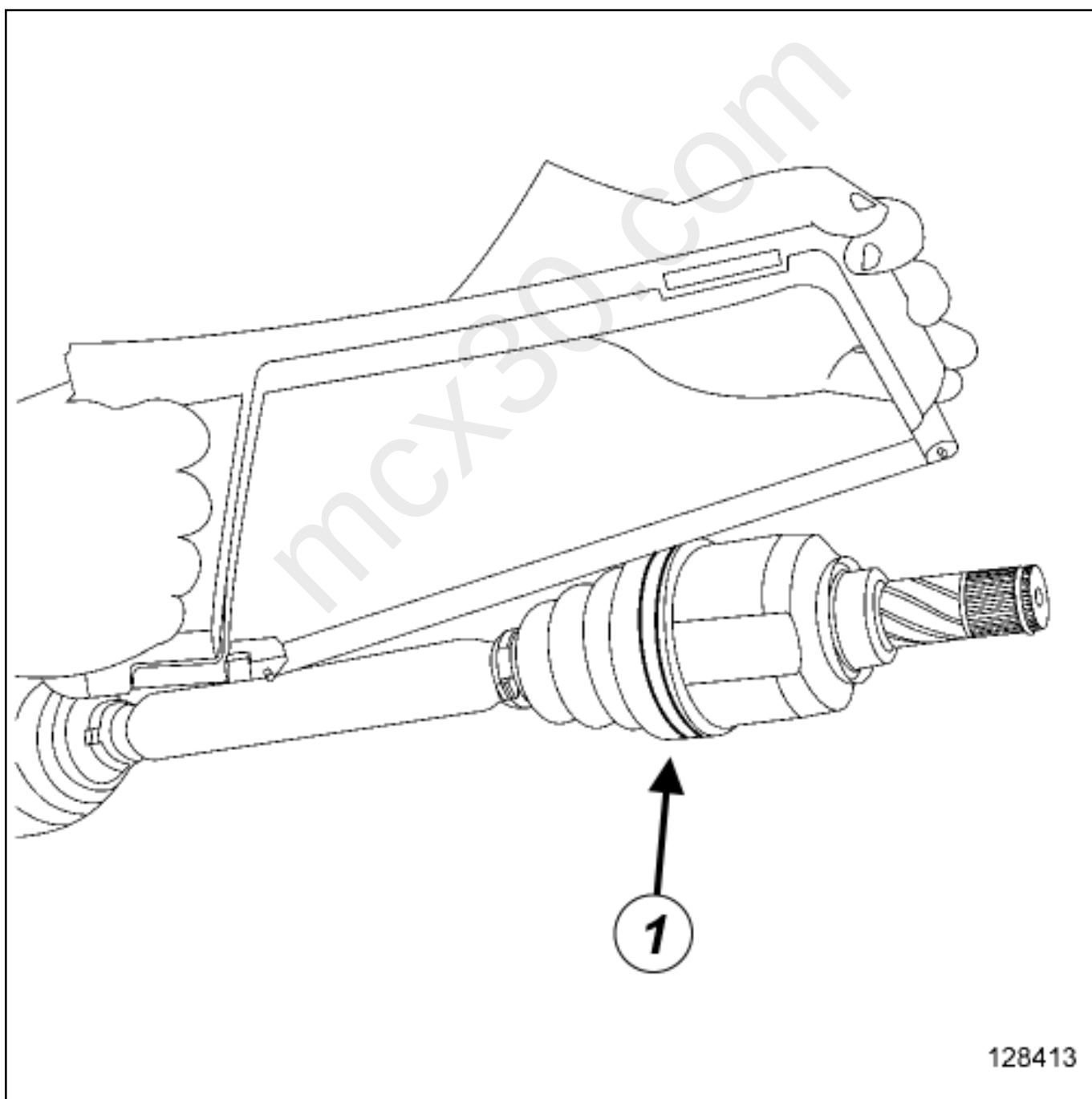
- (1) Big securing clip
- (2) Small securing clip
- (3) Driveshaft gaiter
- (4) Driveshaft yoke sleeve
- (5) Lock ring
- (6) Spider
- (7) Deflector
- (8) Driveshaft

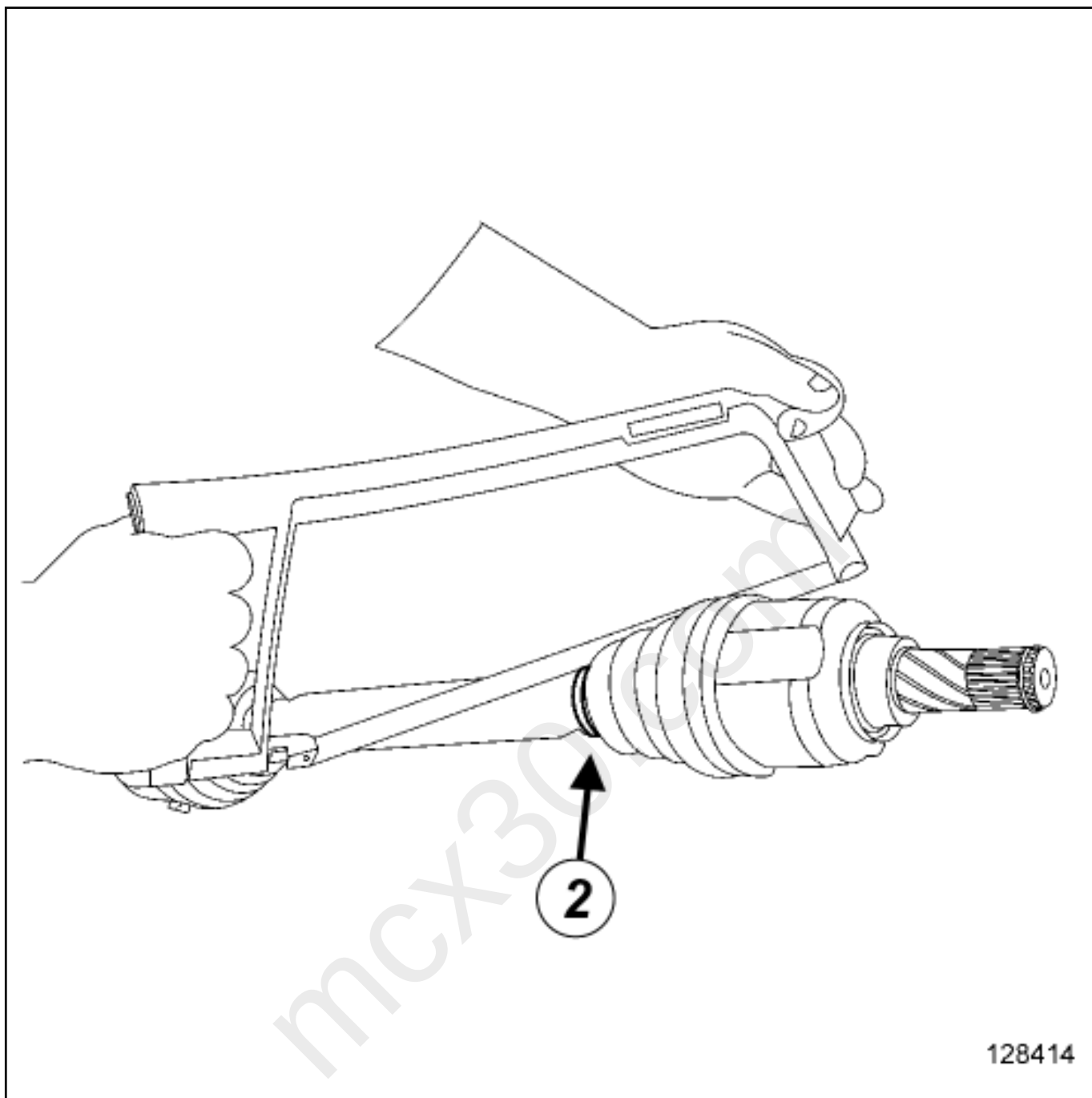
REMOVAL

1. REMOVAL PREPARATION OPERATION

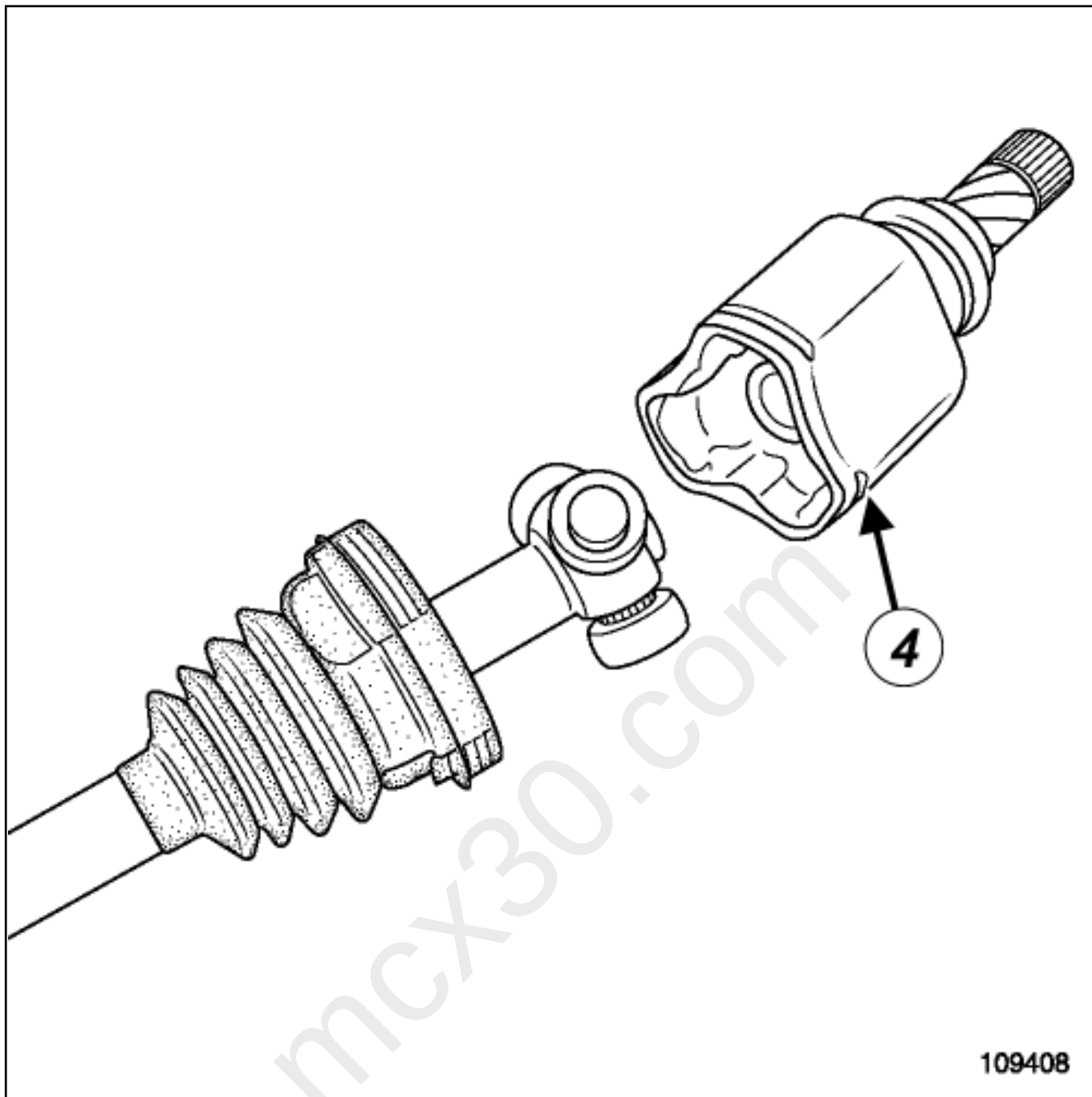
- Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- Remove:
 - the engine undertray,
 - the wheel on the side concerned [Front hub carrier assembly: Exploded view](#) ,
 - the wheel driveshaft on the side concerned ([see 29A, Driveshafts , Driveshaft assembly: Exploded view](#)) .

2. REMOVAL OPERATION





- Cut the big securing clip(1) and the small securing clip(2) using cutting pliers or a metal saw, taking care not to damage the yoke sleeve or the driveshaft.
- Push back the driveshaft gaiter to release the driveshaft yoke sleeve.



- Remove the driveshaft yoke sleeve(4) .

Note:



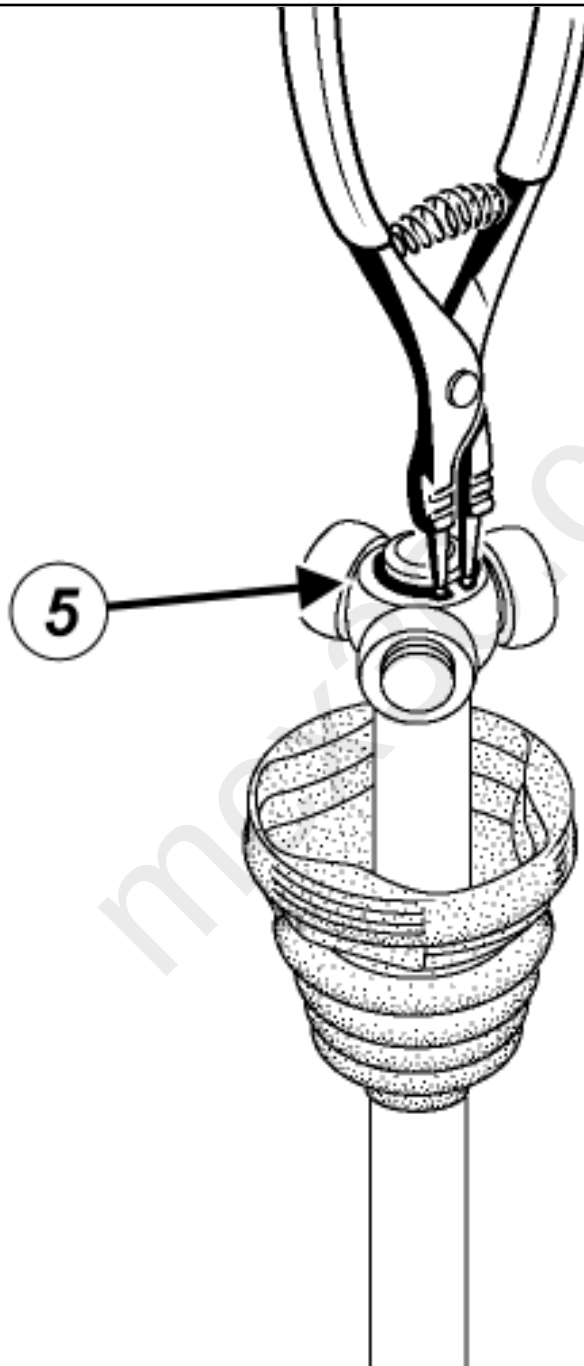
- Since the driveshaft yoke sleeve does not have a stop tab, it can be removed without being forced,
- do not remove the rollers from their respective bushings as the rollers and needles are matched and should never be interchanged.

- Remove as much grease as possible.



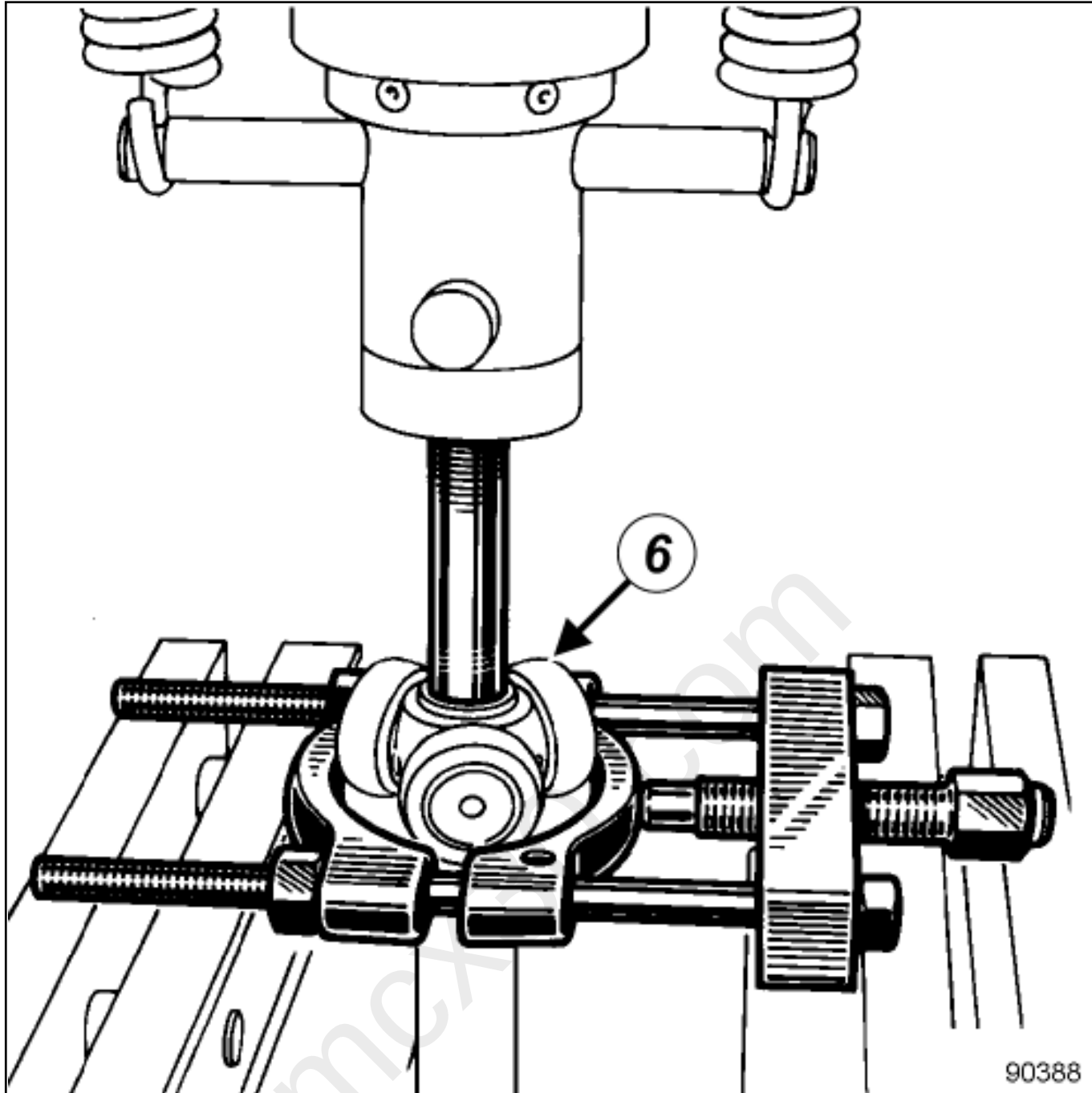
Note:

Never use thinner to remove grease.



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- Remove the lock ring(5) using circlip pliers.



- Remove the spider(6) using a press and a releasing type extractor.



Note:

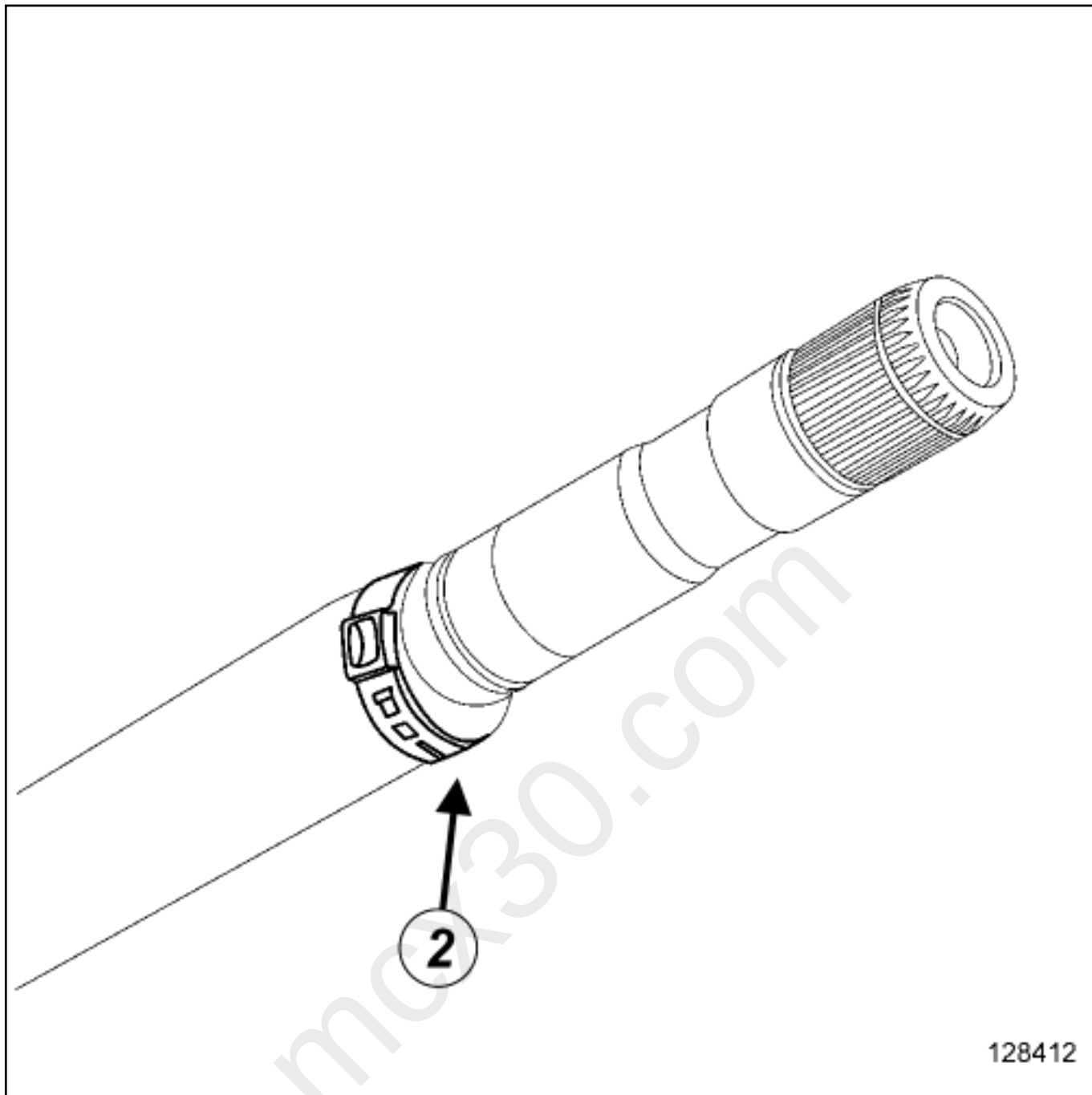
Mark the position of the spider before extracting it.

- Remove:
 - the gaiter from the driveshaft,
 - the cup equipped with the cup spring.

1. REFITTING PREPARATION OPERATION

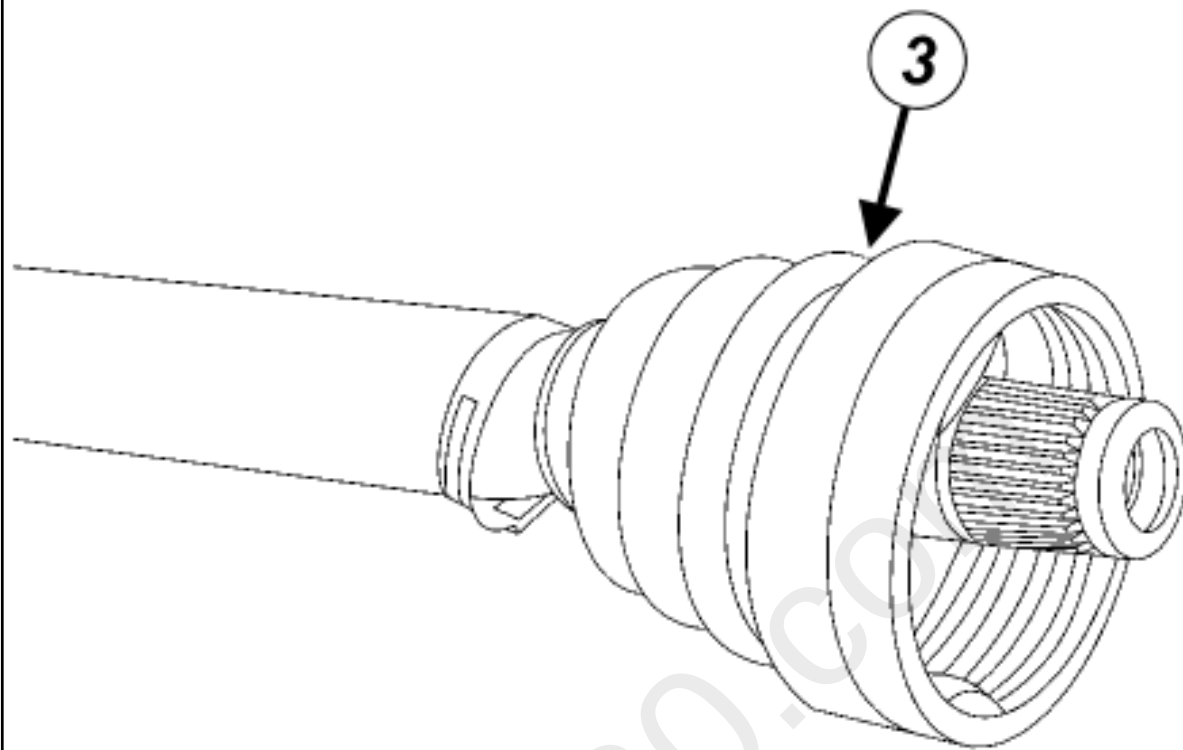
- Always replace:
 - the driveshaft gaiter, reduction gearing side,
 - reduction gearing side front driveshaft seal locking ring,
 - the cup,
 - the cup spring,
 - the big securing clip,
 - the small securing clip.
- Use a parts washer to clean the driveshaft, the spider and the driveshaft yoke sleeve.

2. REFITTING OPERATION



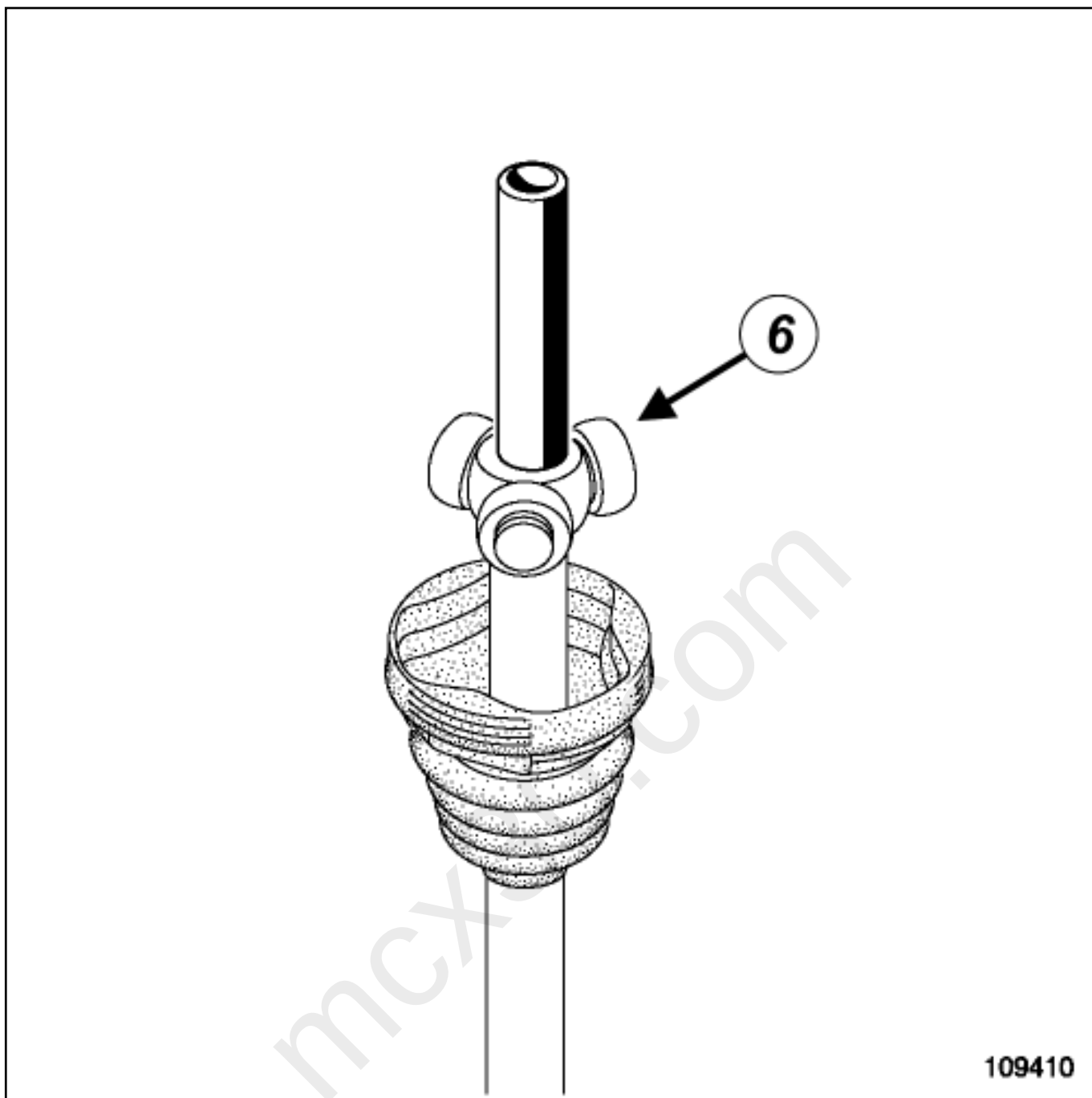
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- Fit the small tightening clip(2) to the driveshaft.
- Lightly lubricate the driveshaft using the GREASE supplied with the gaiter to facilitate its fitting.



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- Refit the gaiter(3) onto the driveshaft.
- Insert the gaiter lip into the groove of the driveshaft.



Refit:

- the spider(6) in the position marked during removal,

- a new lock ring using circlip pliers.

Divide the quantity of grease between the driveshaft gaiter and the yoke sleeve.

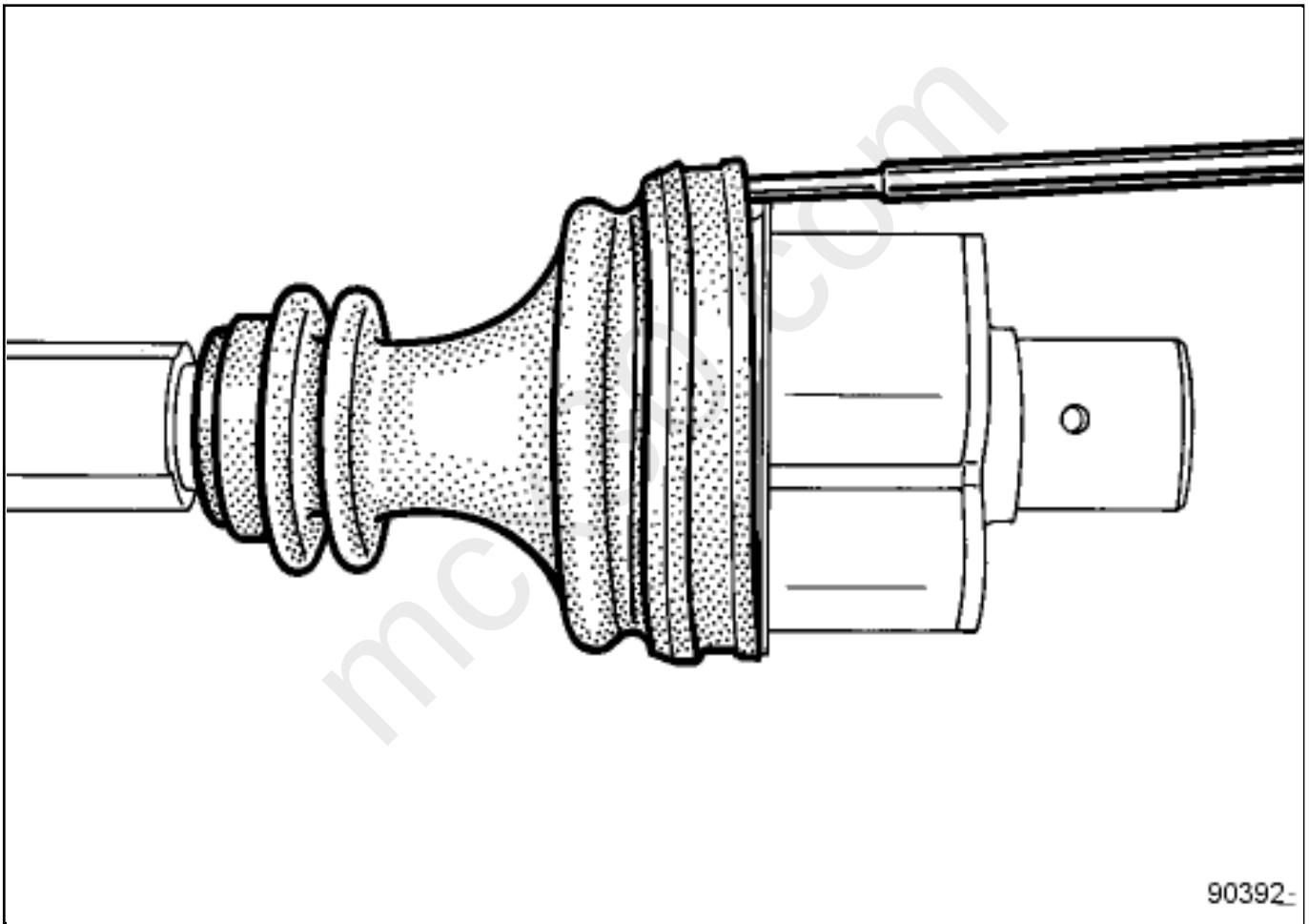
Fit the driveshaft yoke sleeve onto the spider.

Position the driveshaft gaiter lip into the groove of the yoke sleeve.



Note:

Check that the gaiter lip is correctly positioned in the groove of the driveshaft.



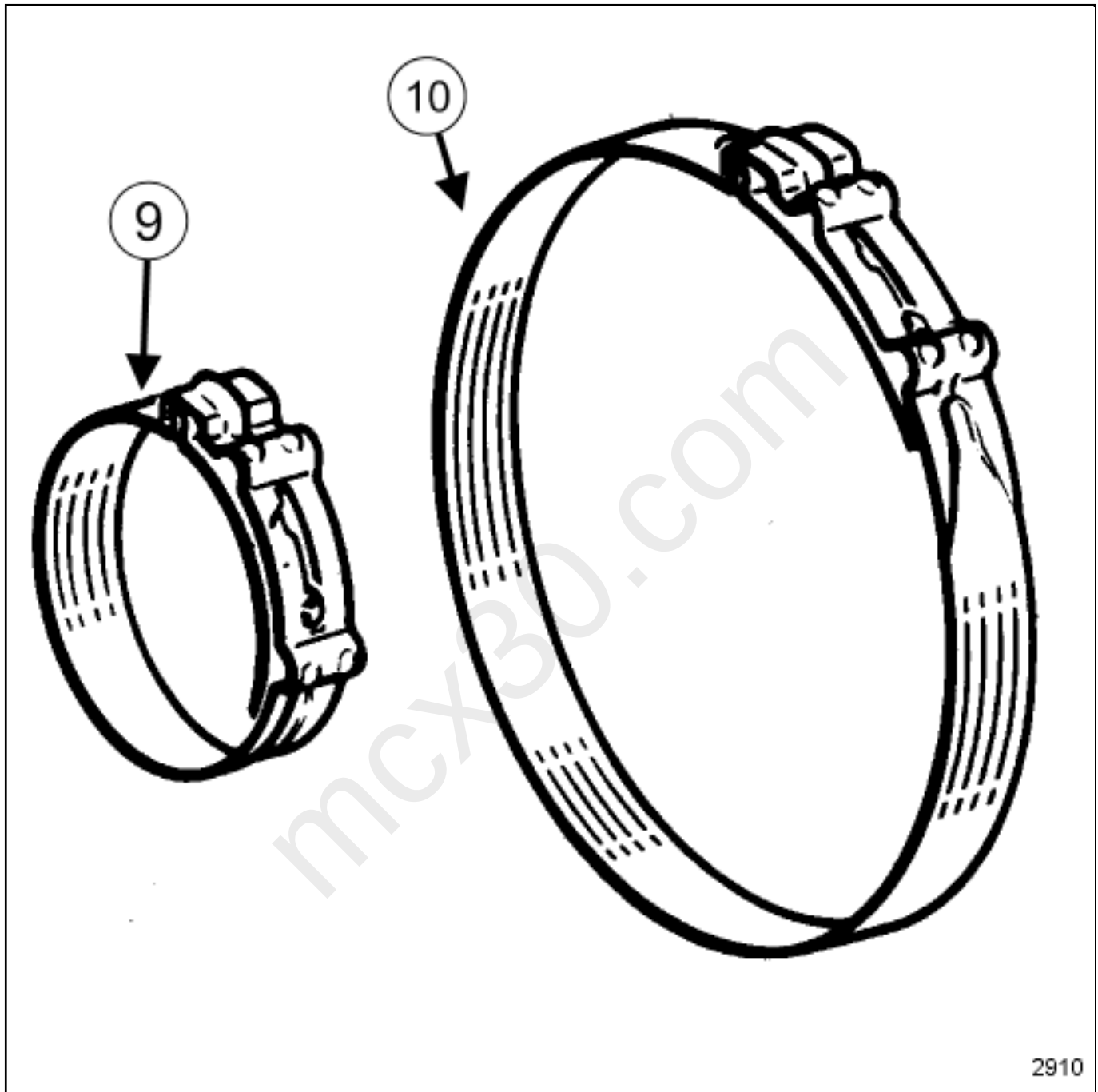
Insert a smooth rod with a rounded end between the gaiter and driveshaft to control the amount of air inside the joint.

Fit:

the small securing clip on the driveshaft gaiter,

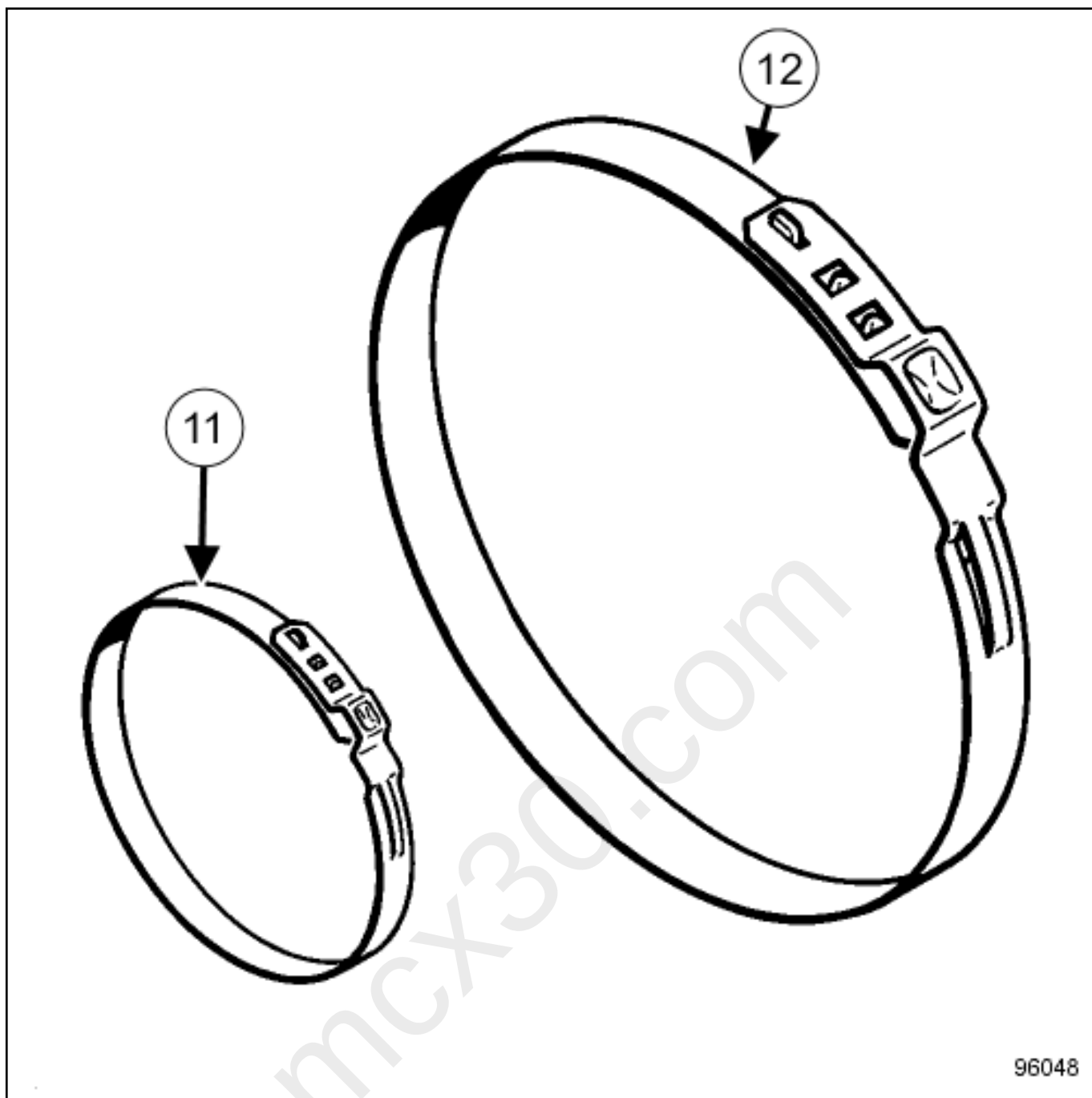
the big securing clip on the driveshaft gaiter.

CAILLEAU "CLICK" CLIPS



Tighten the small clip(9) and the big clip(10) until they click, using the toolType clip pliers for driveshafts with a thermoplastic gaiter.([Tav. 1168](#)) .

OETIKER CLIPS

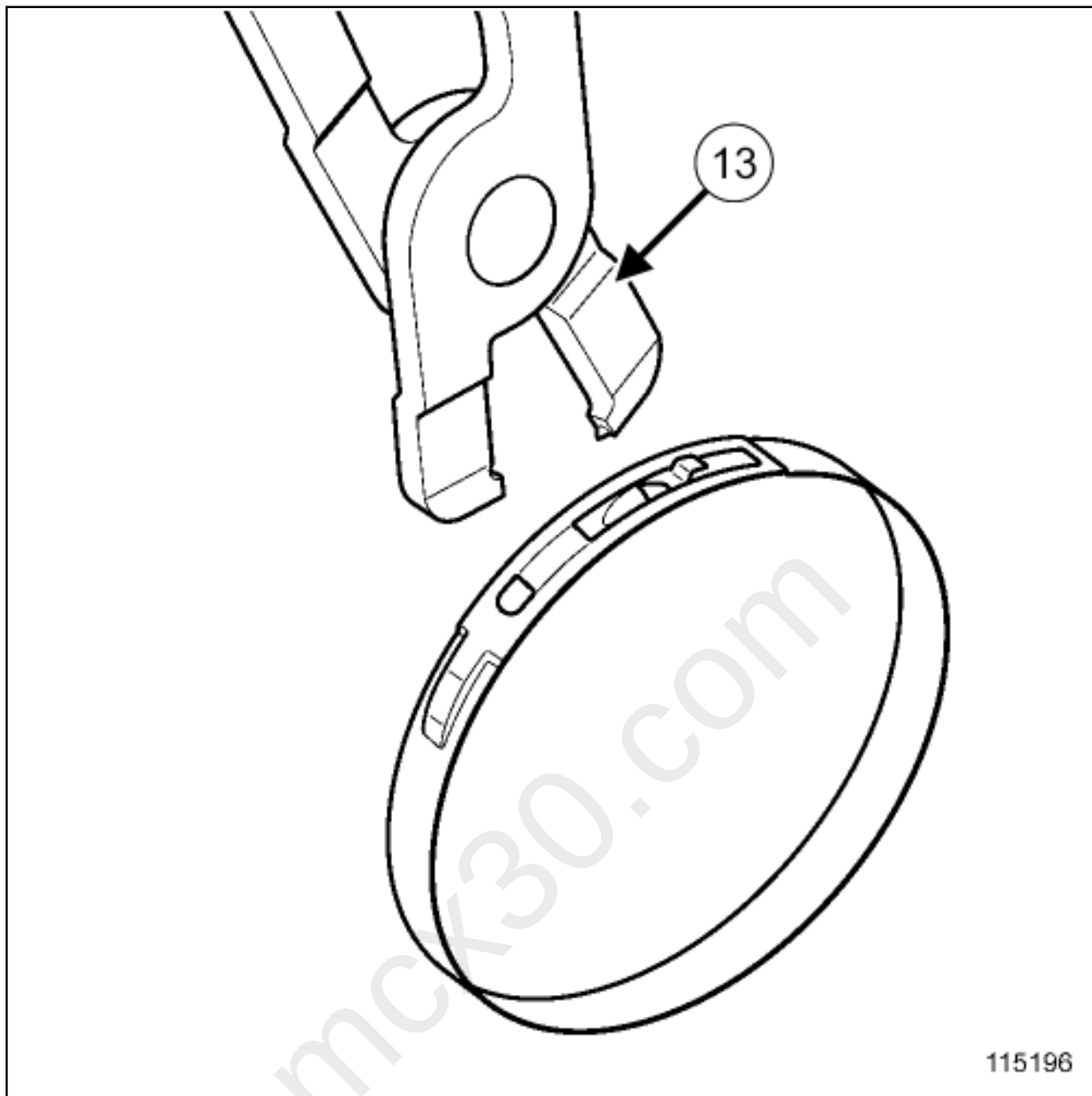


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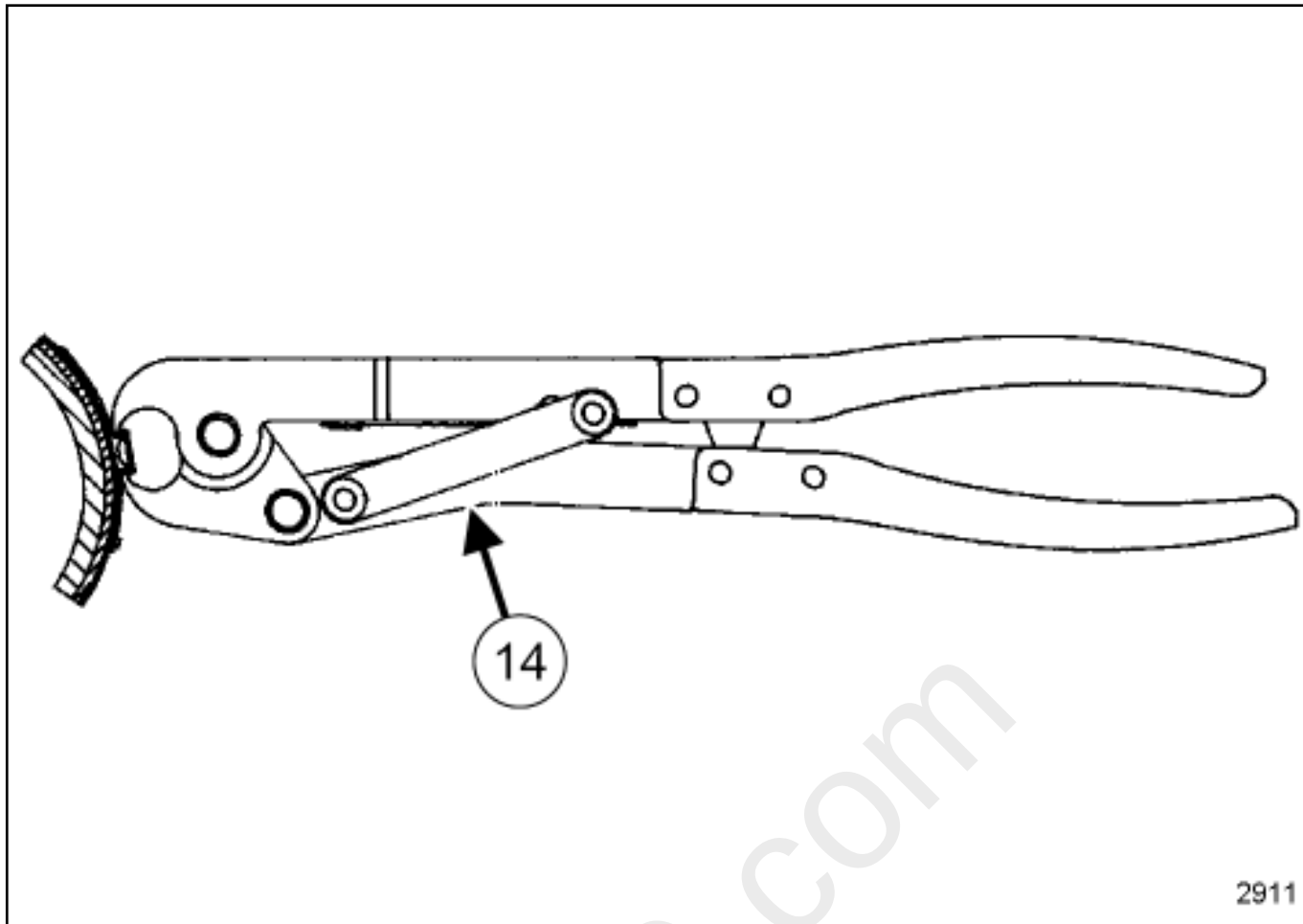
Tighten the small clip(11) and the big clip(12) using the toolClip pliers for fitting driveshaft gaiters. For OETIKER type clips.([Tav. 1256](#)) .

CLIP WITH PROFILE END



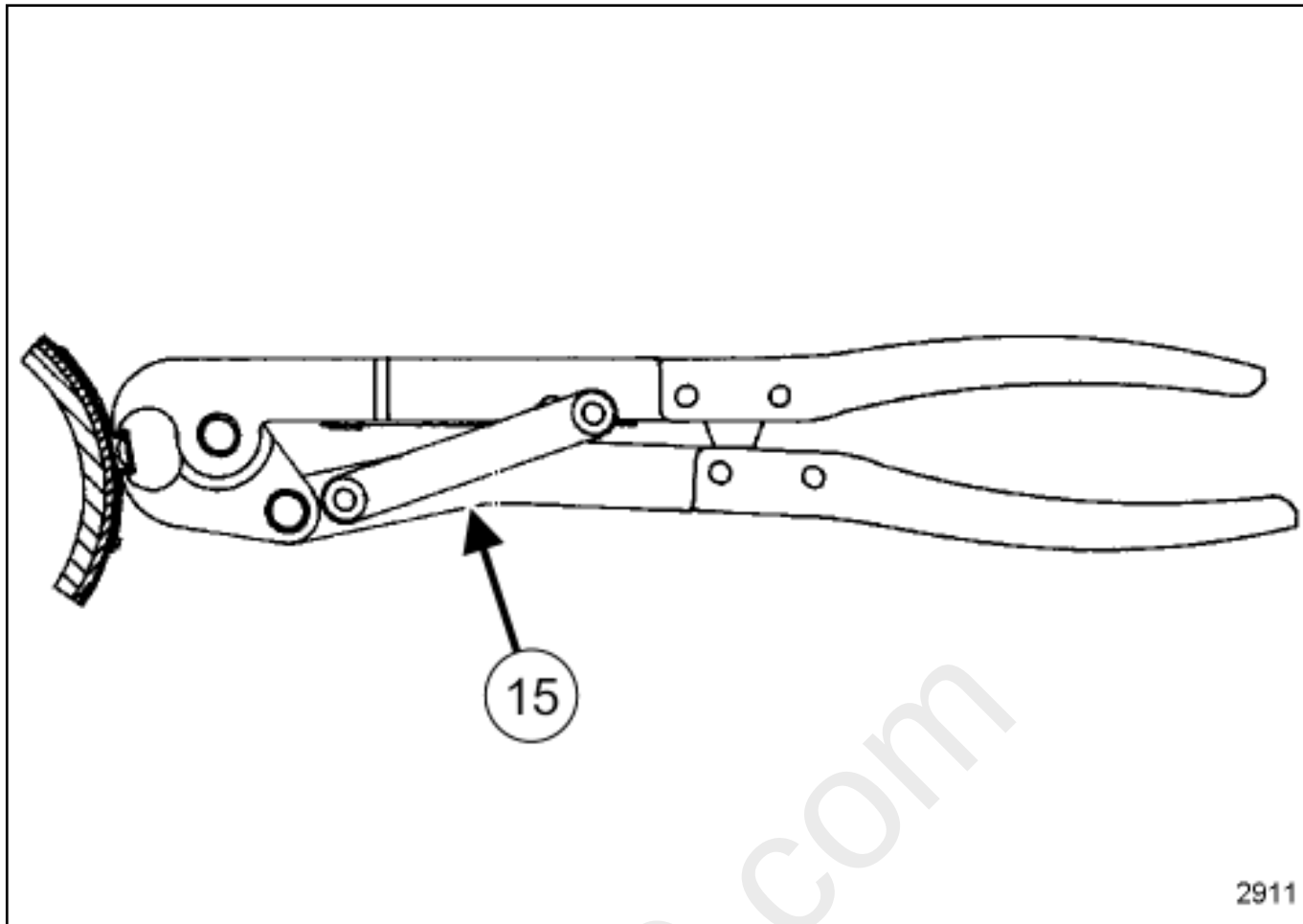
Tighten the new clips using Pliers for the driveshaft gaiter collar. (Tav. 1784) (13) .

POSITION 1 - PRE-TIGHTENING AND POSITIONING OF THE CLIP



Put the linkage(14) in the lower position, and close the pliers fully. The pre-tightened clip slides onto the gaiter and can be positioned.

POSITION 2 - TIGHTENING



Put the linkage(15) in the upper position, and close the pliers fully.

Proceed in the reverse order to removal.



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