3. FINAL OPERATION

Proceed in the reverse order to removal.

WARNING

To avoid any accident, bring the pistons, brake pads and brake discs into contact by depressing the brake pad several times.

Repair-13x02x03x15-01x37-1-39-1.xml

XSL version : 3.02 du 22/07/11

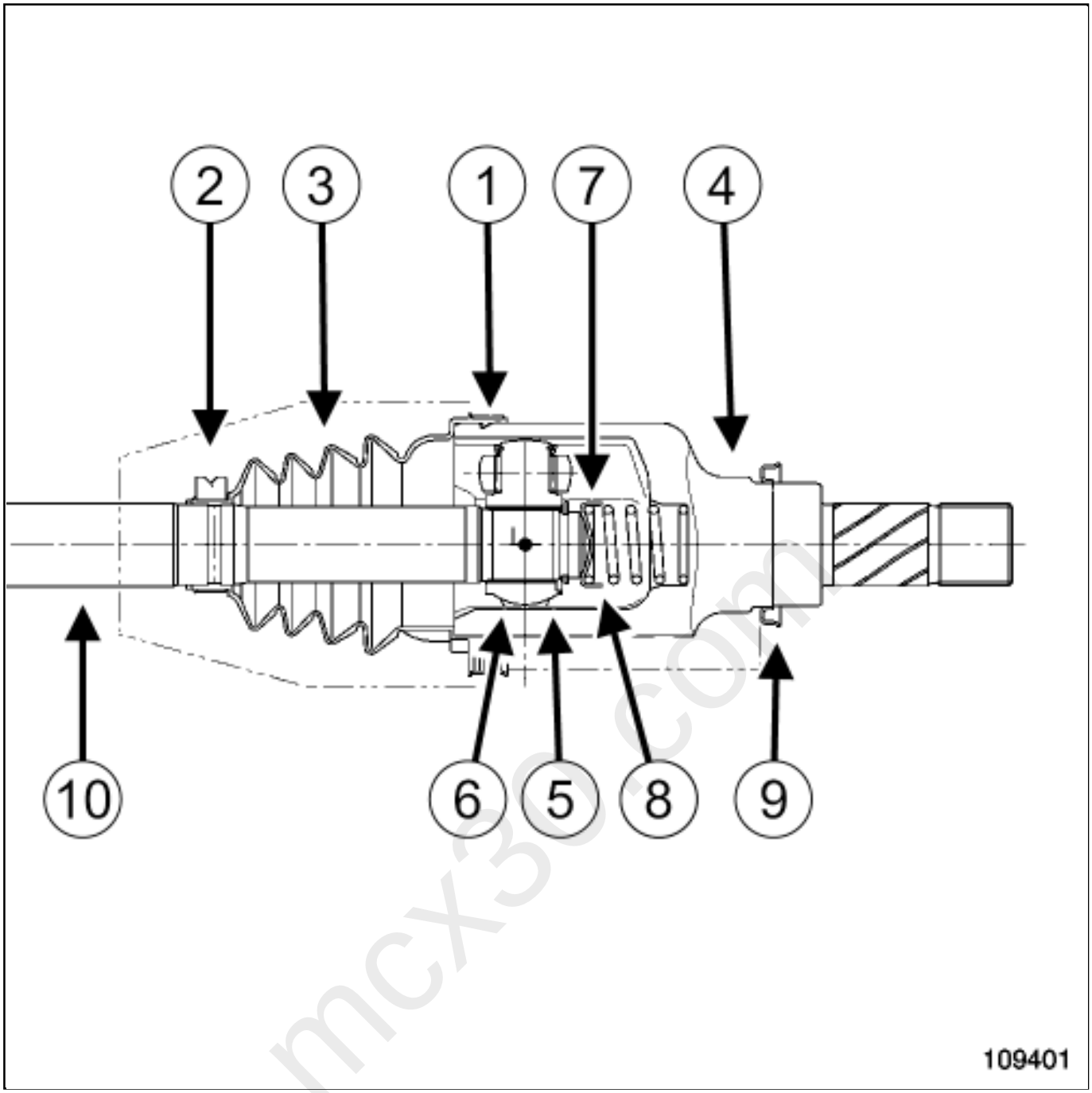
FRONT LEFT-HAND DRIVESHAFT GAITER, GEARBOX SIDE: REMOVAL - REFITTING

 **Note, one or more warnings are present in this procedure** 

Special tooling required	
Type clip pliers for driveshafts with a thermoplastic gaiter.	Tav. 1168
Pliers for the driveshaft gaiter collar.	Tav. 1784

Equipment required
parts washer

parts always to be replaced:
Front left-hand driveshaft gaiter, gearbox side
gearbox side front driveshaft seal locking ring



(1) Big securing clip

(2) Small securing clip

(3) Driveshaft gaiter

(4) Driveshaft yoke sleeve

(5) Lock ring

(6) Spider

(7) Cup

(8) Cup spring

(9) Deflector

(10) Driveshaft

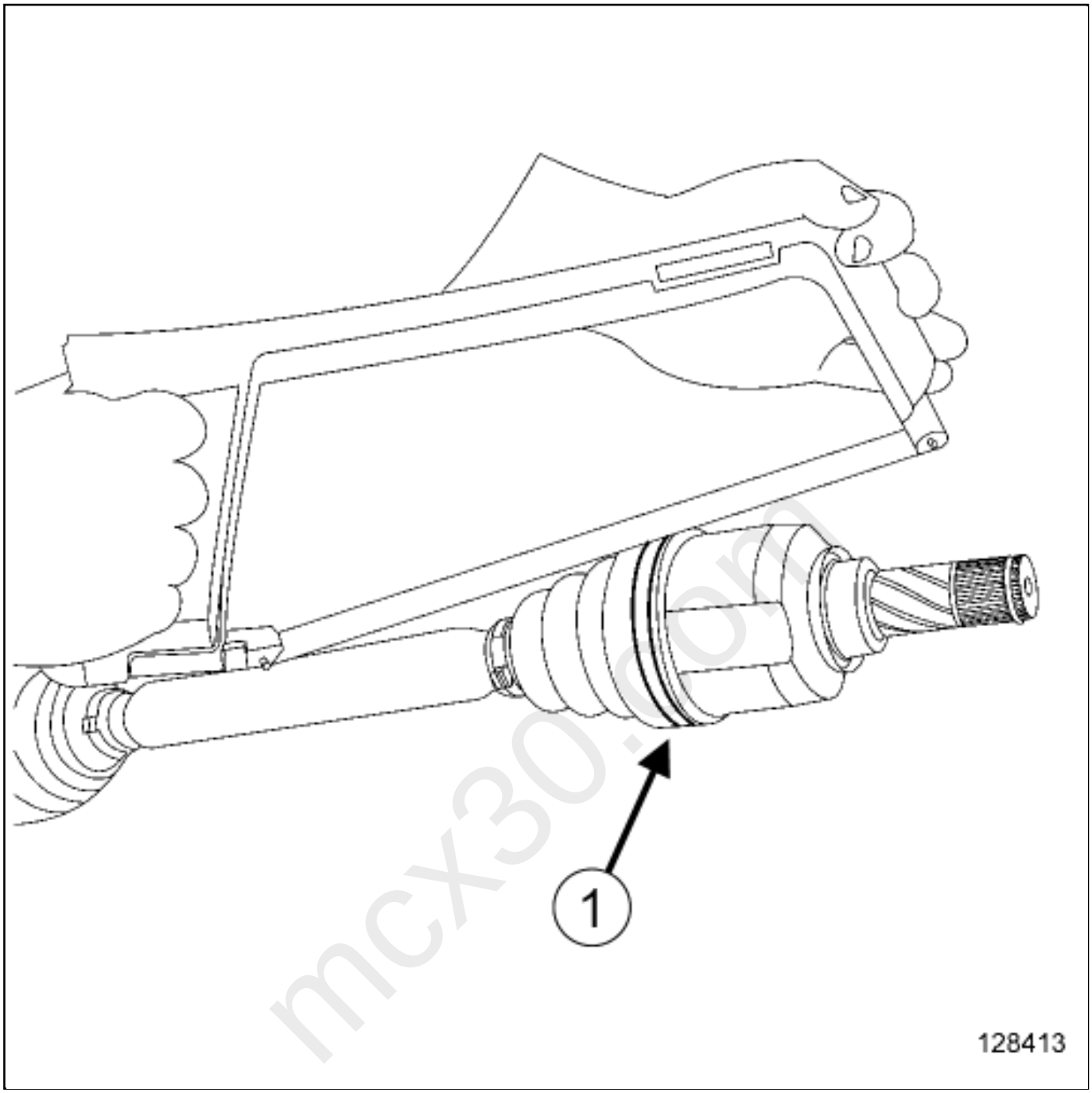
WARNING

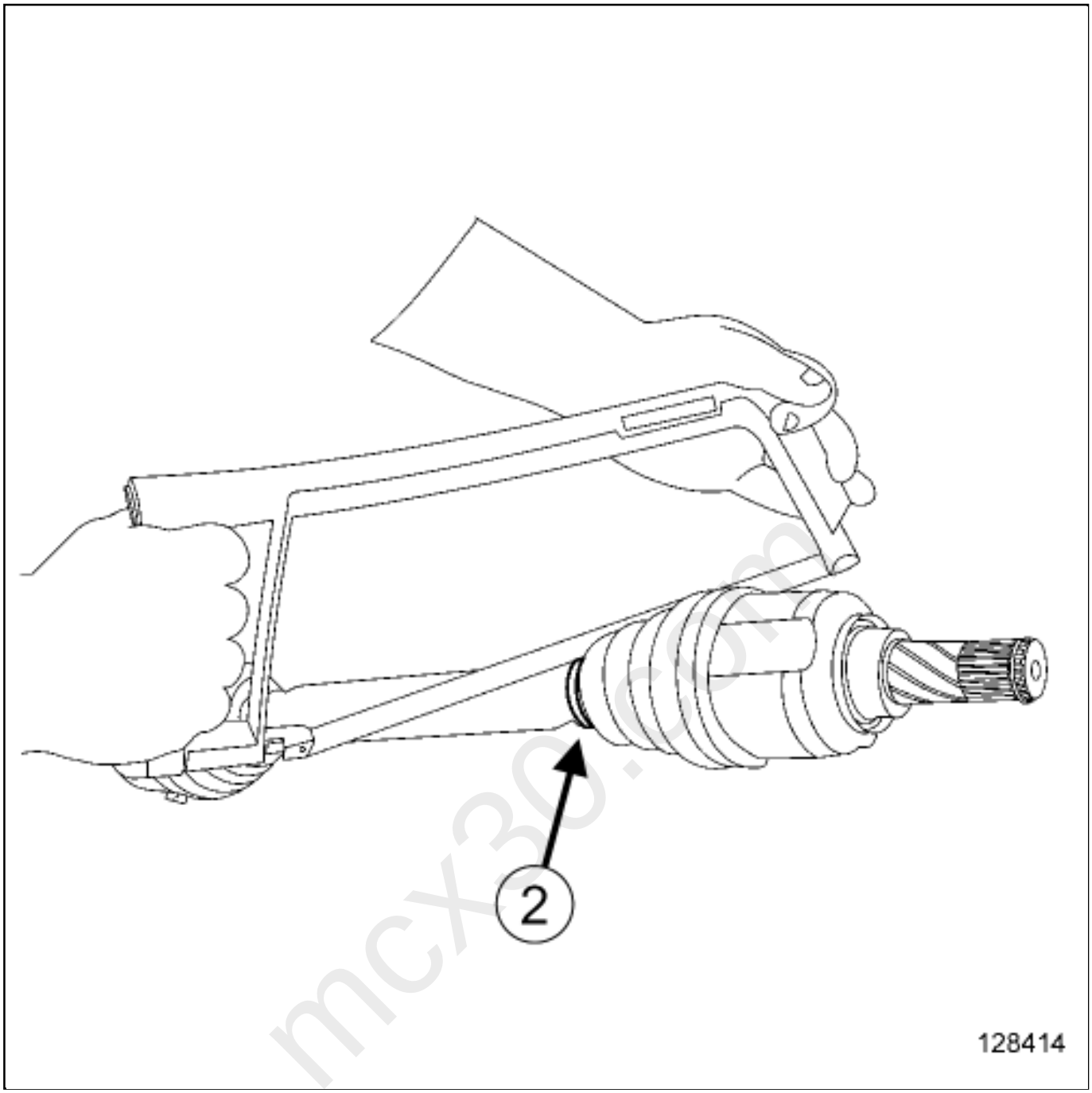
Wear leaktight gloves (Nitrile type) for this operation.

REMOVAL

1. REMOVAL PREPARATION OPERATION

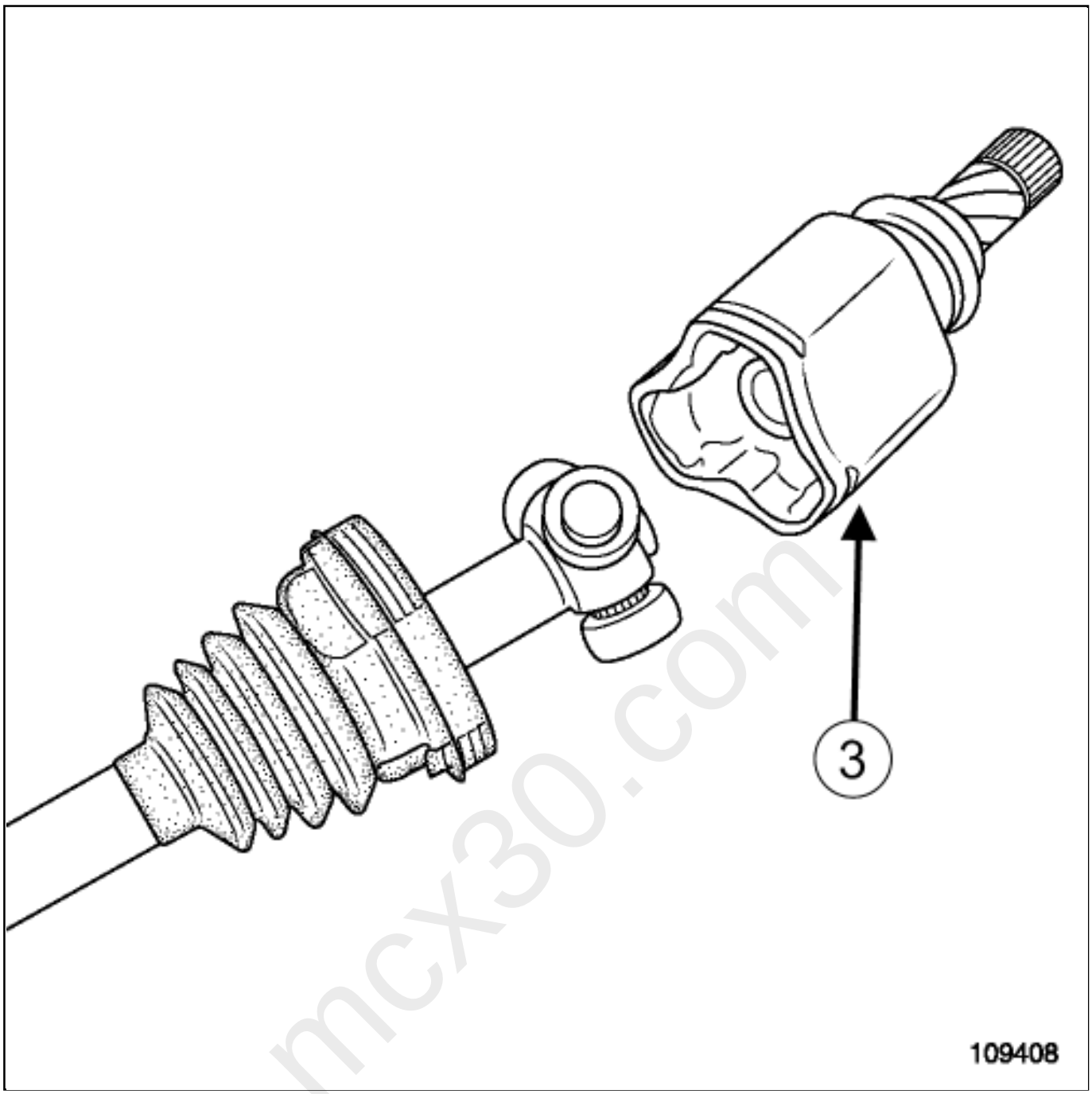
- Position the vehicle on a two-post lift Vehicle: Towing and lifting .
- Remove:
  - the engine undertray bolts,
  - the engine undertray.
- Drain the gearbox (see **Manual gearbox oils: Draining - Filling**) or Automatic gearbox oil: Draining - Filling .
- Remove:
  - the front left-hand wheel Wheel: Removal - Refitting ,
  - the front left-hand driveshaft (see 29A, Driveshafts , Front left-hand driveshaft: Removal - Refitting) .
- Remove the left-hand side differential output seal (see **Differential output seal: Removal - Refitting**) .





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.

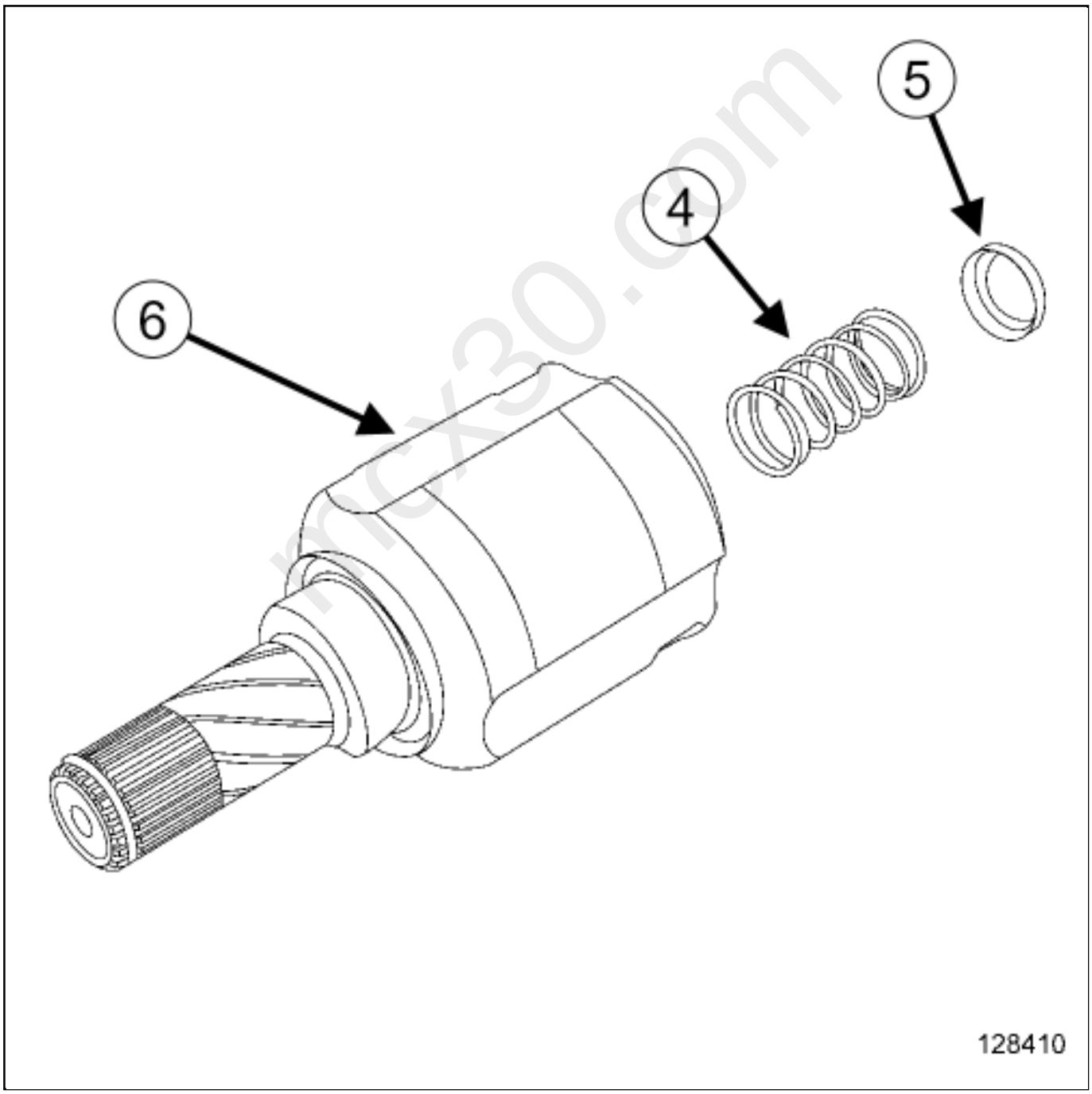


Remove the driveshaft yoke sleeve(3) .

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.

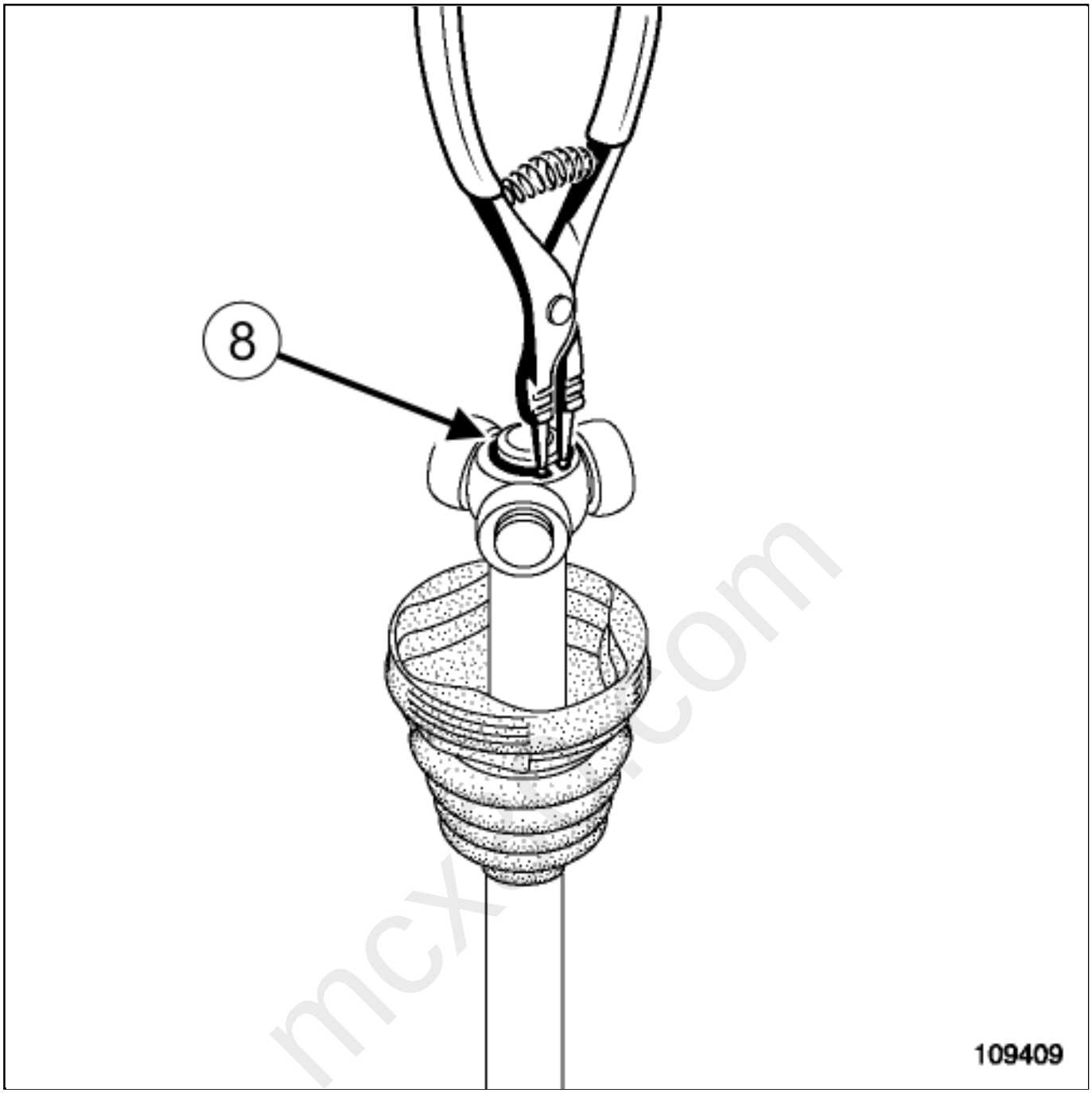


Remove the cup spring(4) fitted with the cup(5) from the driveshaft yoke sleeve(6) .

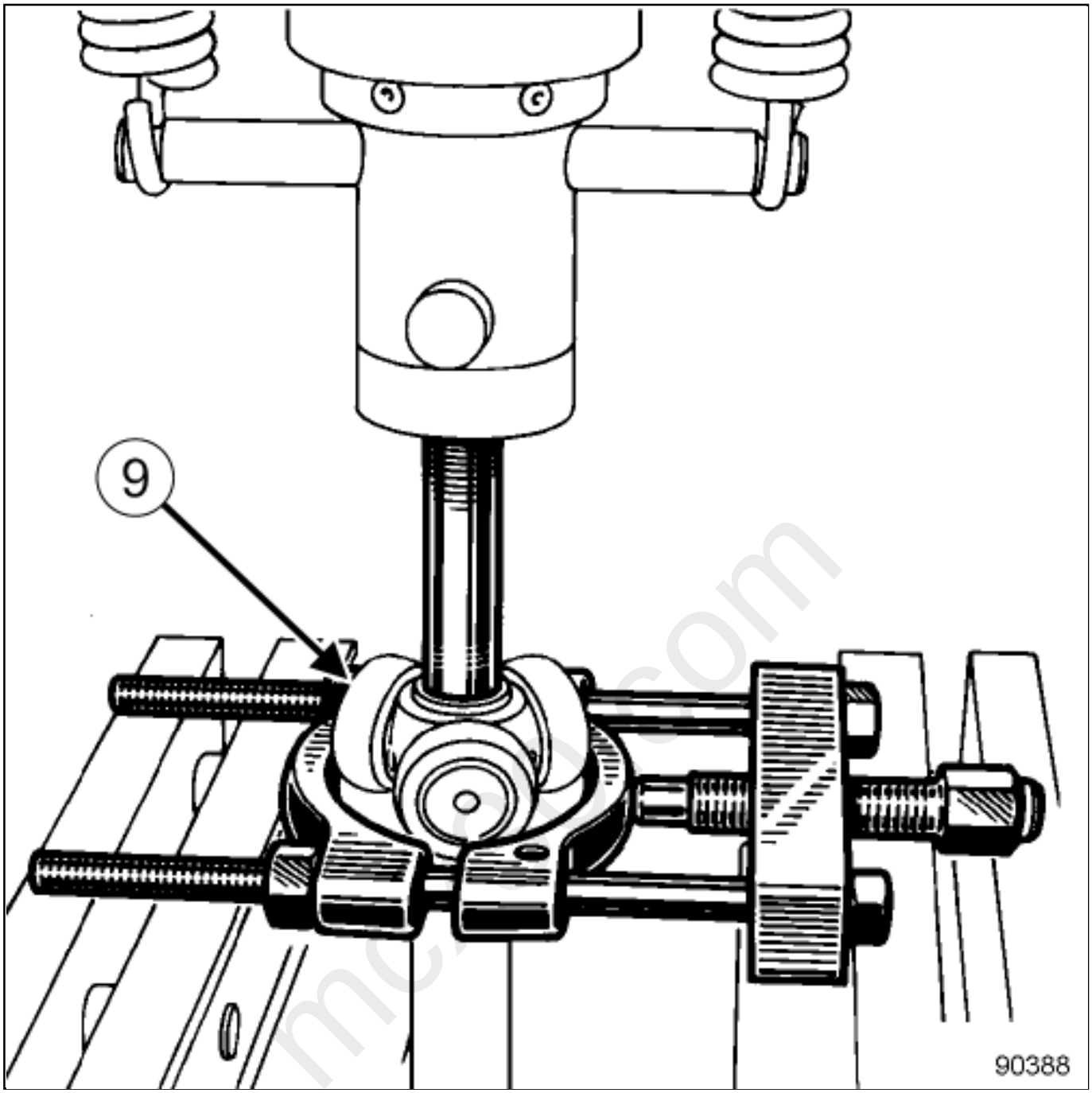
Remove as much grease as possible from inside the driveshaft yoke sleeve.

Note:

Never use thinner to remove grease.



Remove the lock ring(8) using circlip pliers.



Note:

Mark the position of the spider before extracting it.

Remove the spider(9) using a press and a releasing type extractor.

Remove:

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

REFITTING

1. REFITTING PREPARATION OPERATION

parts always to be replaced: Front left-hand driveshaft gaiter, gearbox side .

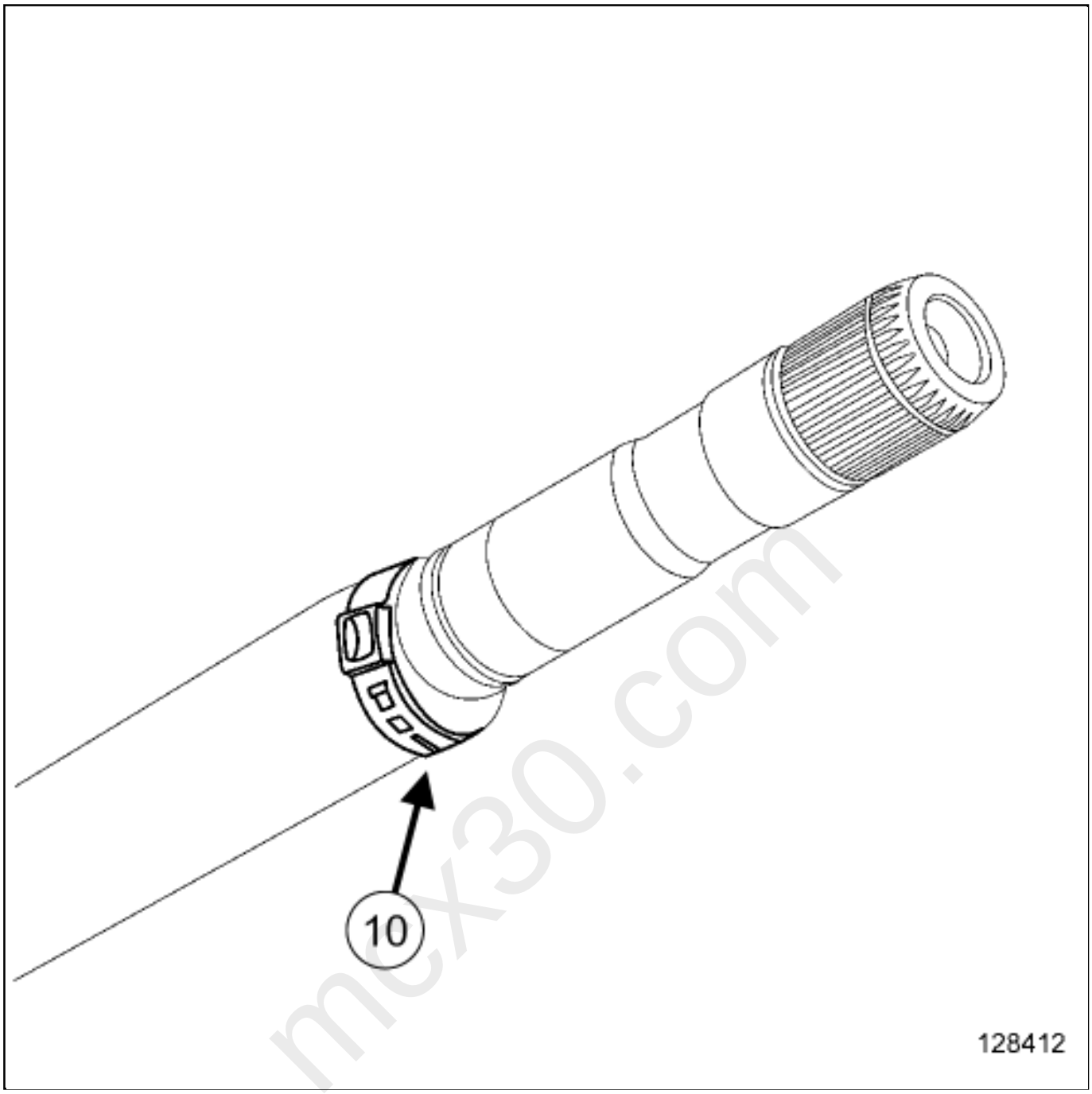
parts always to be replaced: gearbox side front driveshaft seal locking ring .

Always replace:

- the cup,
- the cup spring,
- the big securing clip,
- the small securing clip.

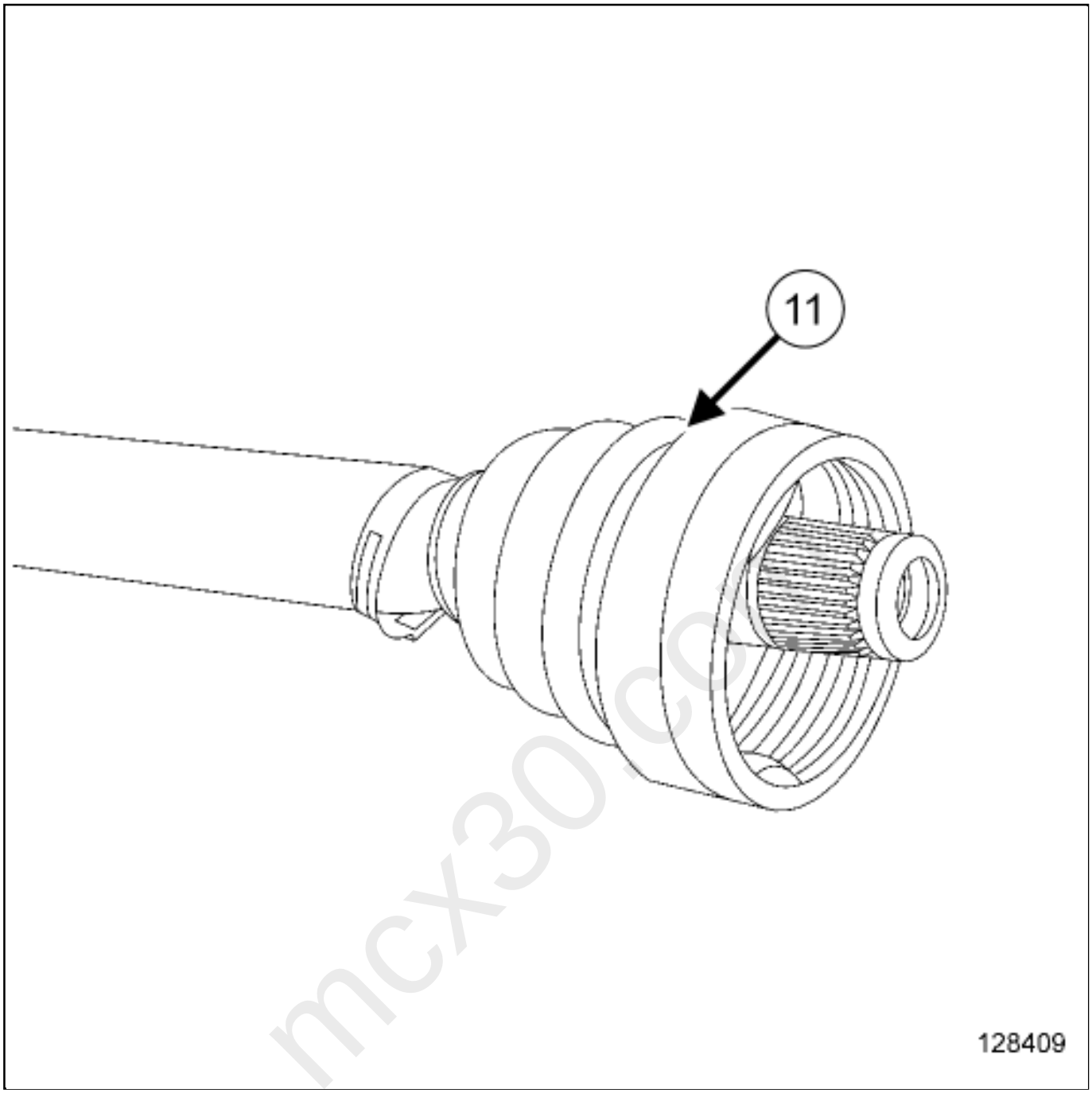
Use a parts washerto clean the driveshaft, the spider and the driveshaft yoke sleeve.

2. REFITTING OPERATION



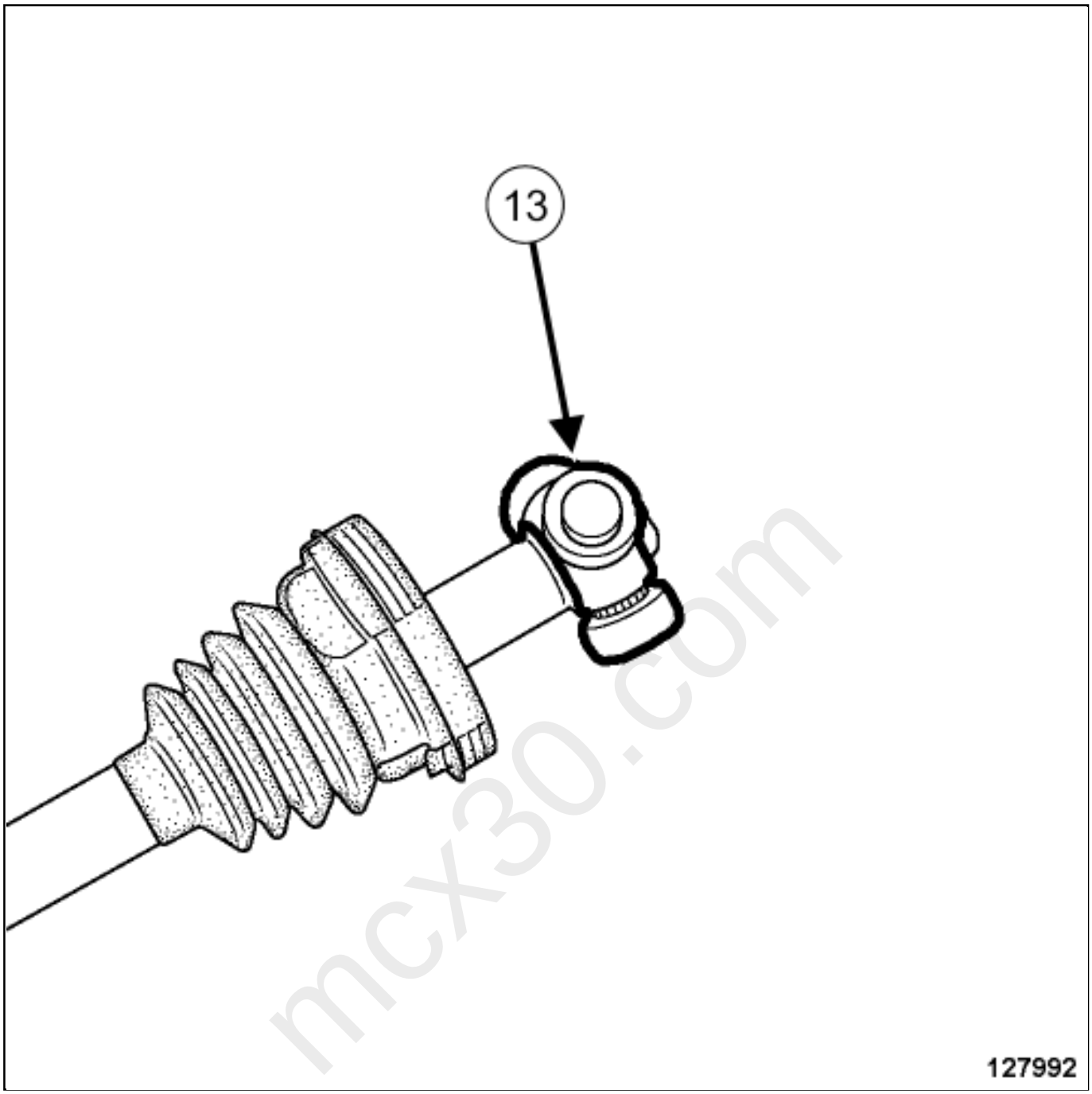
- Fit the small securing clip(10) onto the driveshaft.

- Lightly lubricate the driveshaft using the grease supplied with the gaiter to facilitate its fitting.

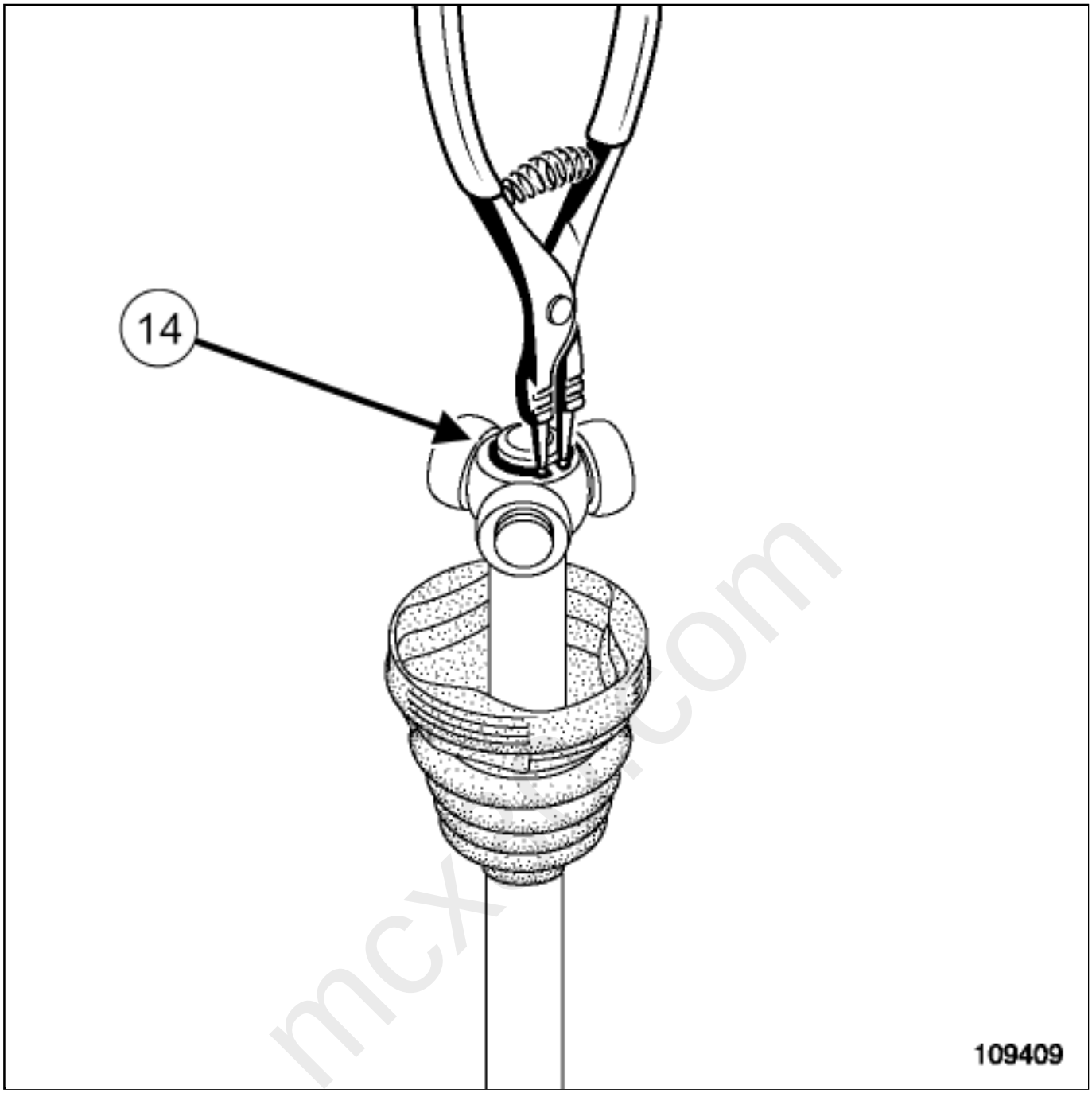


- Refit the gaiter(11) onto the driveshaft.

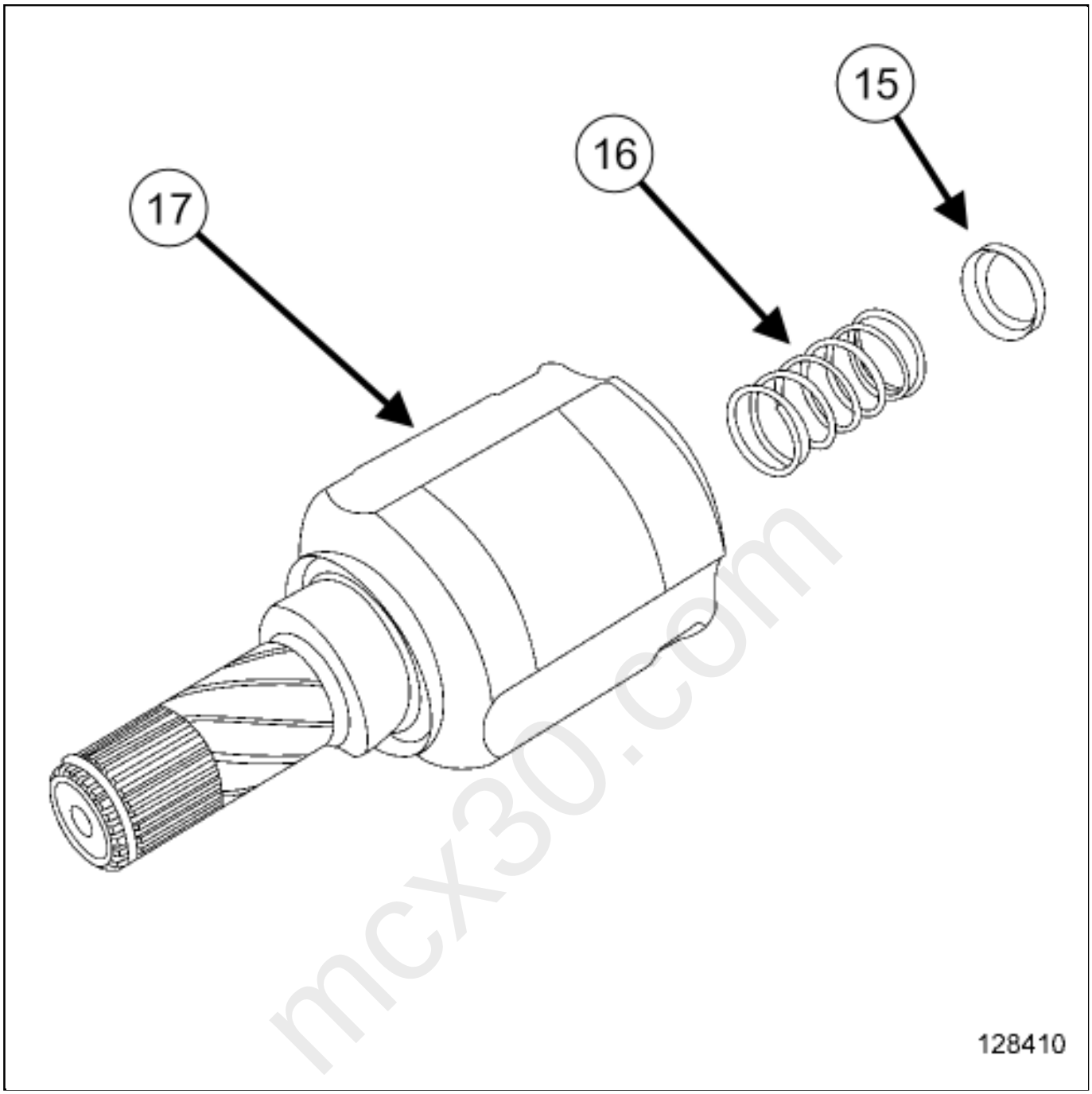
- Insert the gaiter lip into the groove of the driveshaft.



Refit the spider(13) in the position marked during removal.

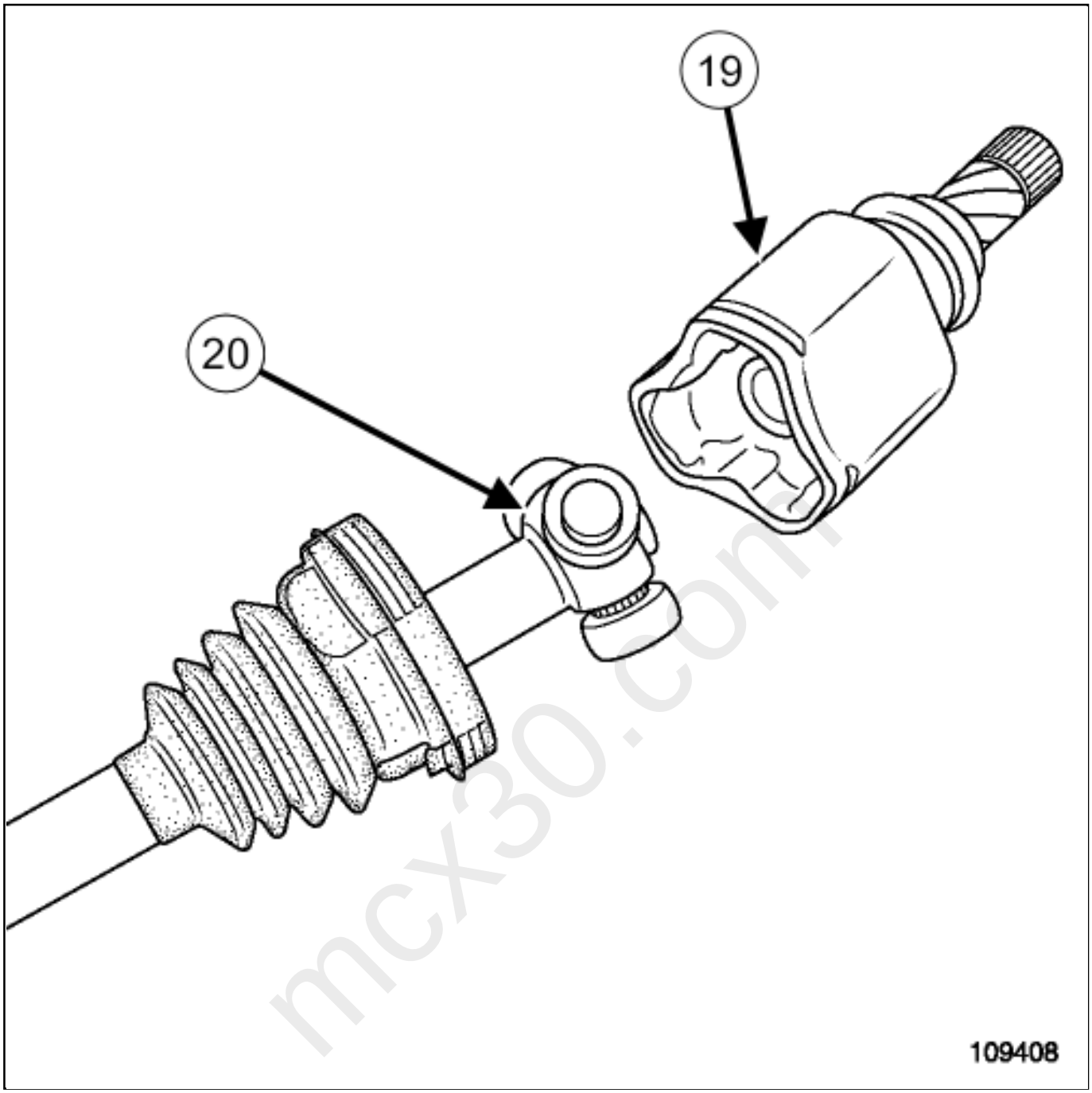


Fit a new lock ring(14) using circlip pliers.



Refit:

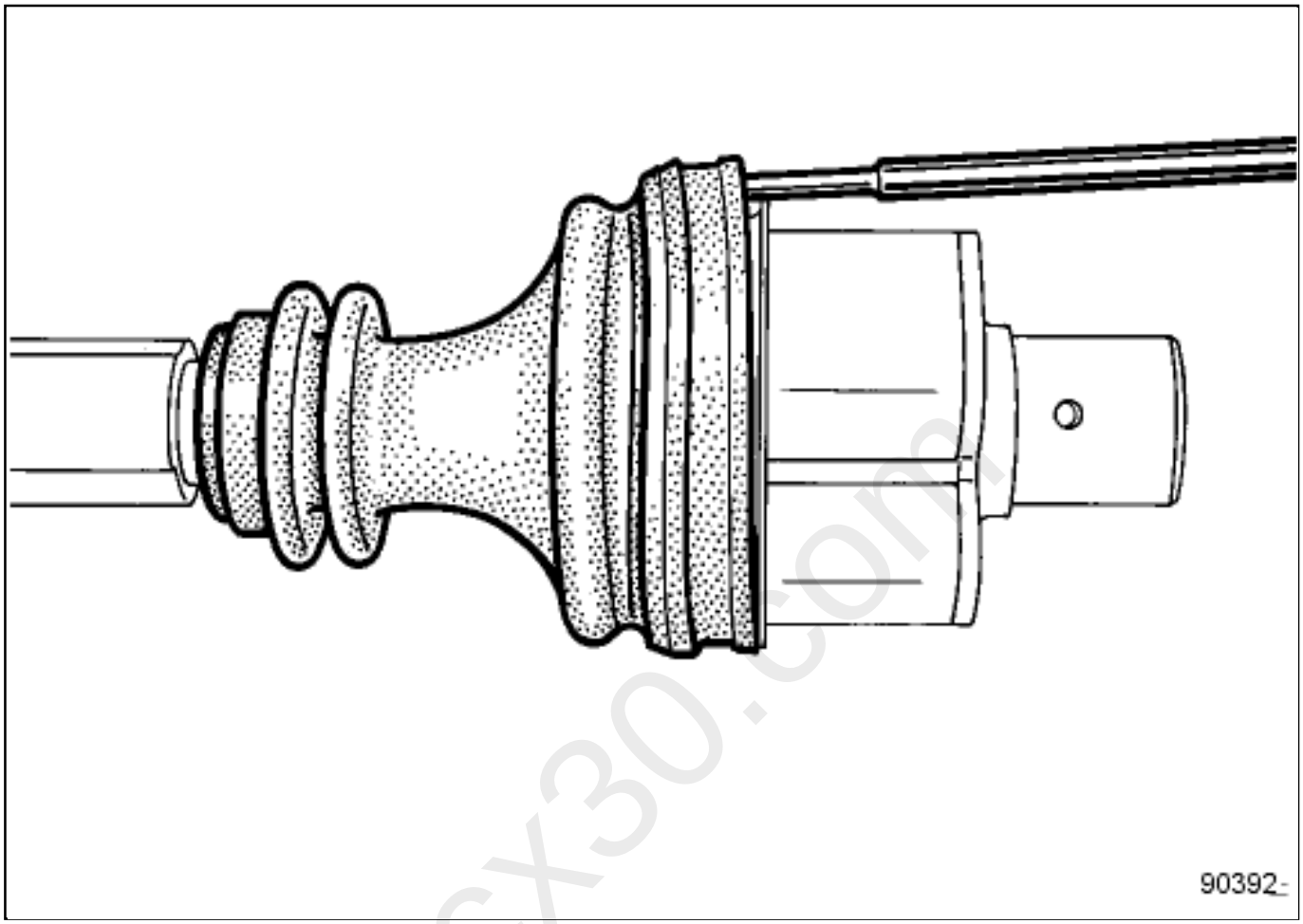
- the cup(**15**) onto the cup spring(**16**) ,
- the cup spring equipped with the cup into the driveshaft yoke sleeve(**17**) .



- Divide the quantity of grease between the driveshaft gaiter and the yoke sleeve.
- Engage the yoke sleeve(19) on the tripod(20) .
- Insert the gaiter lip into the groove of the yoke sleeve.

Note:

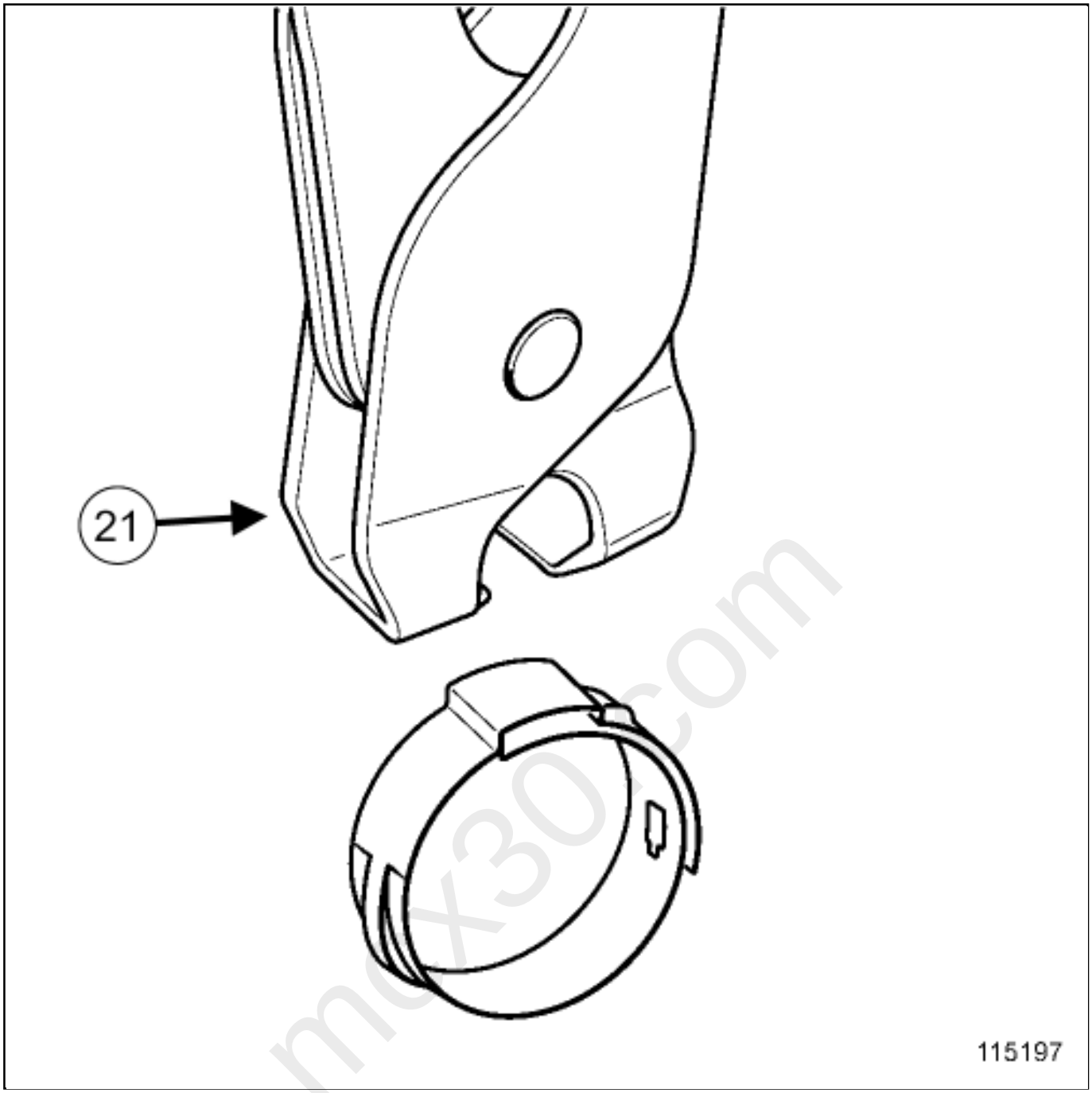
Check that the gaiter lip is correctly positioned in the groove of the driveshaft.

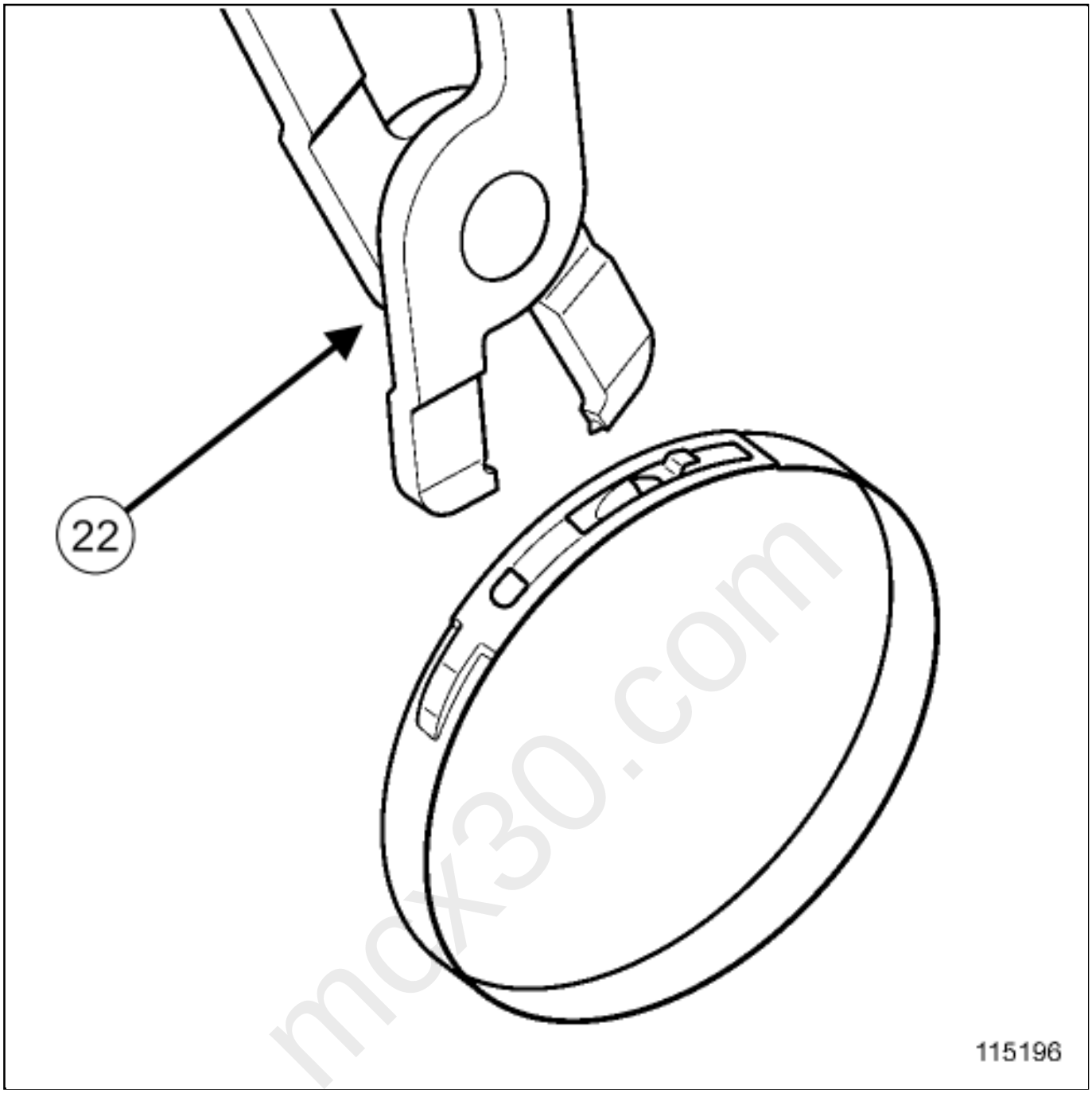


Insert a smooth rod with a rounded end between the driveshaft gaiter and the yoke sleeve to evenly distribute the volume of air contained inside the driveshaft gaiter.

Fit the small securing clip on the driveshaft gaiter.

Refit the big securing clip on the driveshaft gaiter.





Tighten the clips using the toolType clip pliers for driveshafts with a thermoplastic gaiter.(Tav. 1168) (21) for clic clips or the toolPliers for the driveshaft gaiter collar.(Tav. 1784) (22) for profile end clips.

3. FINAL OPERATION

Refit a new left-hand differential output seal(see **Differential output seal: Removal - Refitting**) .