



parts always to be replaced:

Front bumper clip

.

2. REBUILDING



Proceed in the reverse order to removal.



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XSL version : 3.02 du 22/07/11

mcx30.com

FRONT DRIVESHAFT GAITER, WHEEL 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

steel inertia hammer

parts washer

roll pin punch

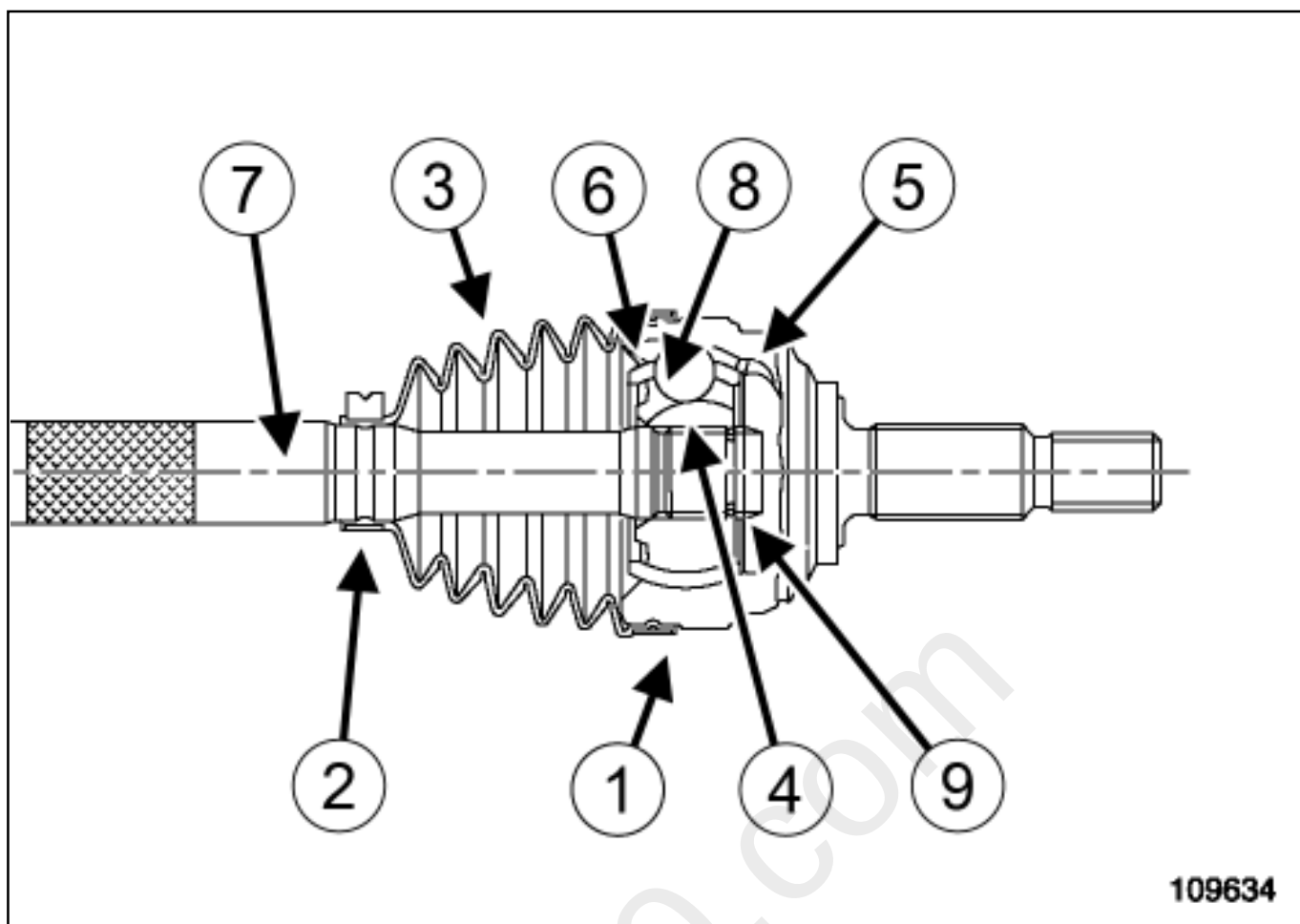


parts always to be replaced:



Front driveshaft gaiter, wheel side

wheel side front driveshaft seal locking ring



- (1) Big securing clip
- (2) Small securing clip
- (3) Driveshaft gaiter
- (4) Ball hub
- (5) Stub axle bowl
- (6) Ball race
- (7) Driveshaft
- (8) Balls
- (9) Lock ring



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 wheel on the side concerned [Wheel: Removal - Refitting](#) ,

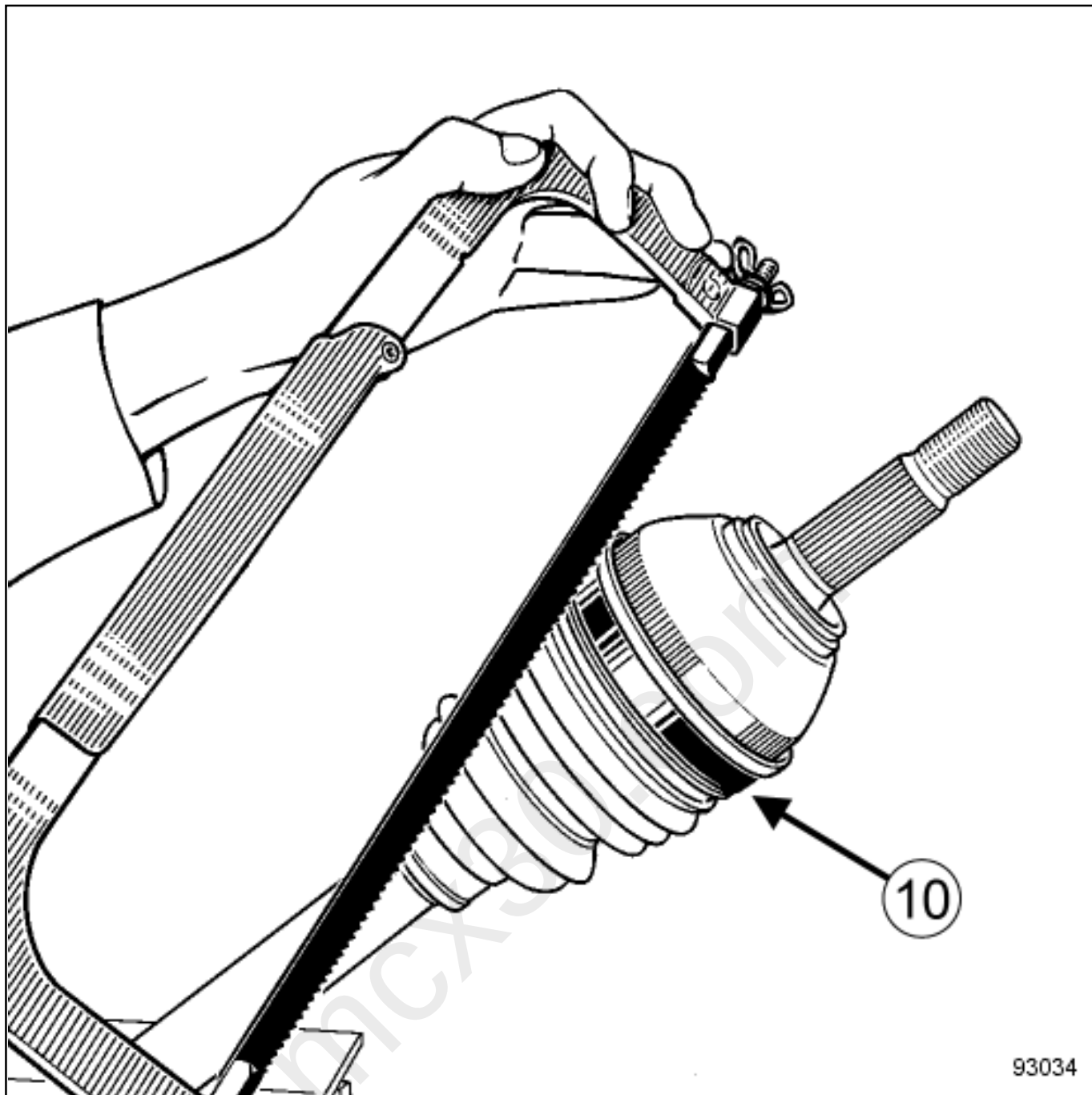


the wheel driveshaft on the side concerned ([see 29A, Driveshafts , Front right-hand driveshaft: Removal - Refitting](#)) or ([see 29A, Driveshafts , Front left-hand driveshaft: Removal - Refitting](#)) .

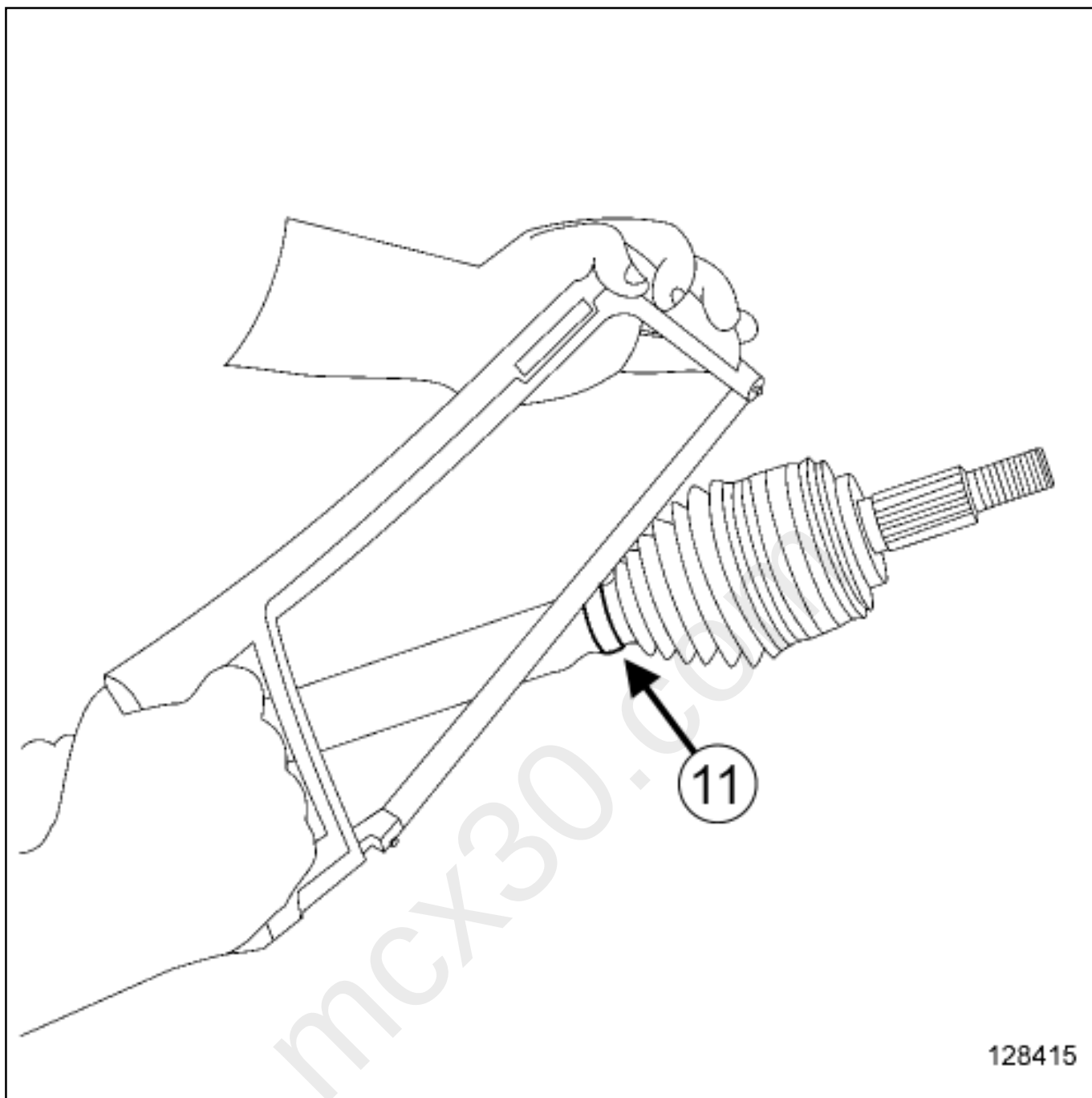


Remove the differential output seal on the side concerned (see **Differential output seal: Removal - Refitting**) .

2. REMOVAL OPERATION



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Cut the big securing clip(10) and the small securing clip(11) using cutting pliers or a metal saw, taking care not to damage the stub axle bowl and the driveshaft.

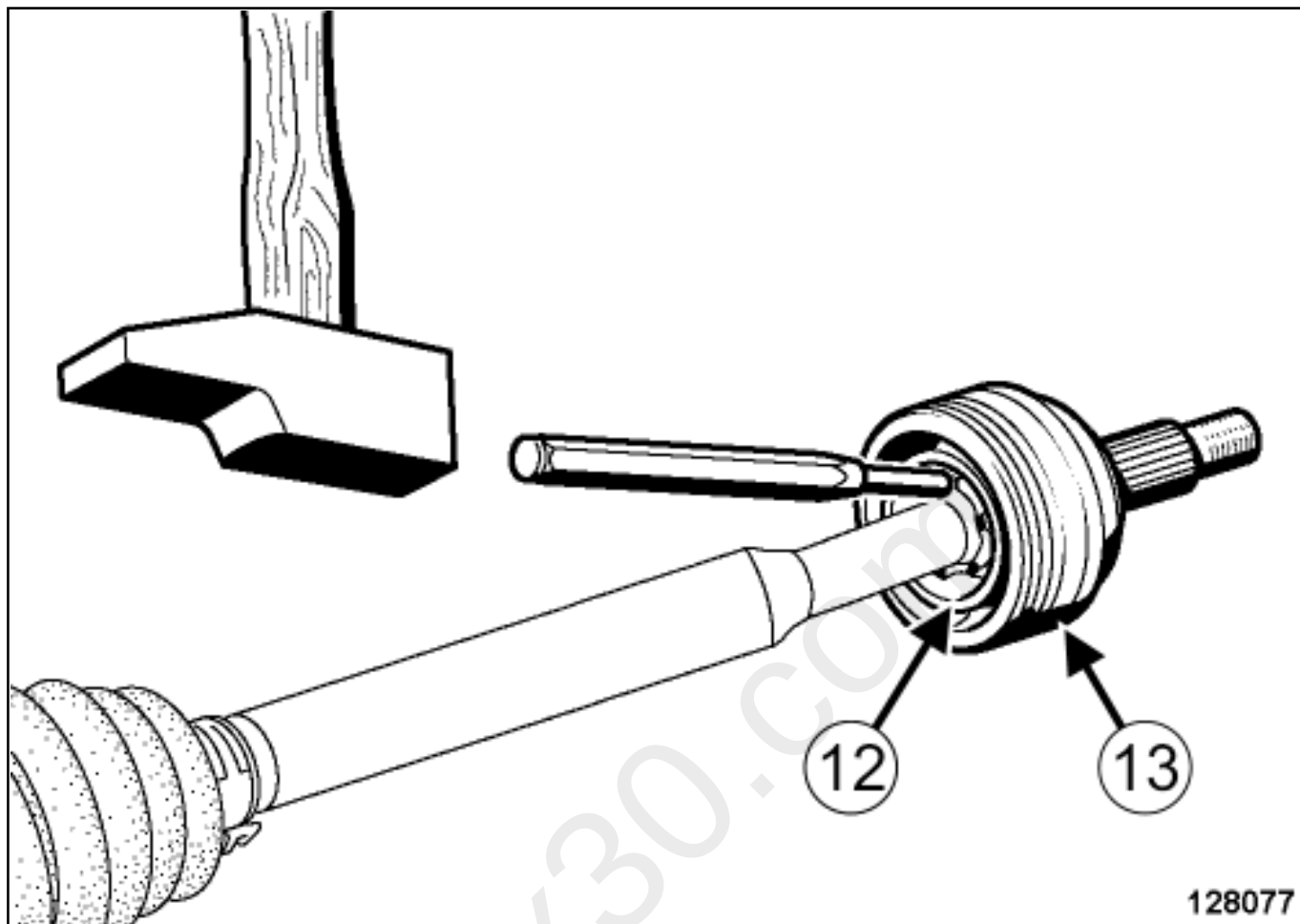


Push back the gaiter to release the stub axle bowl.

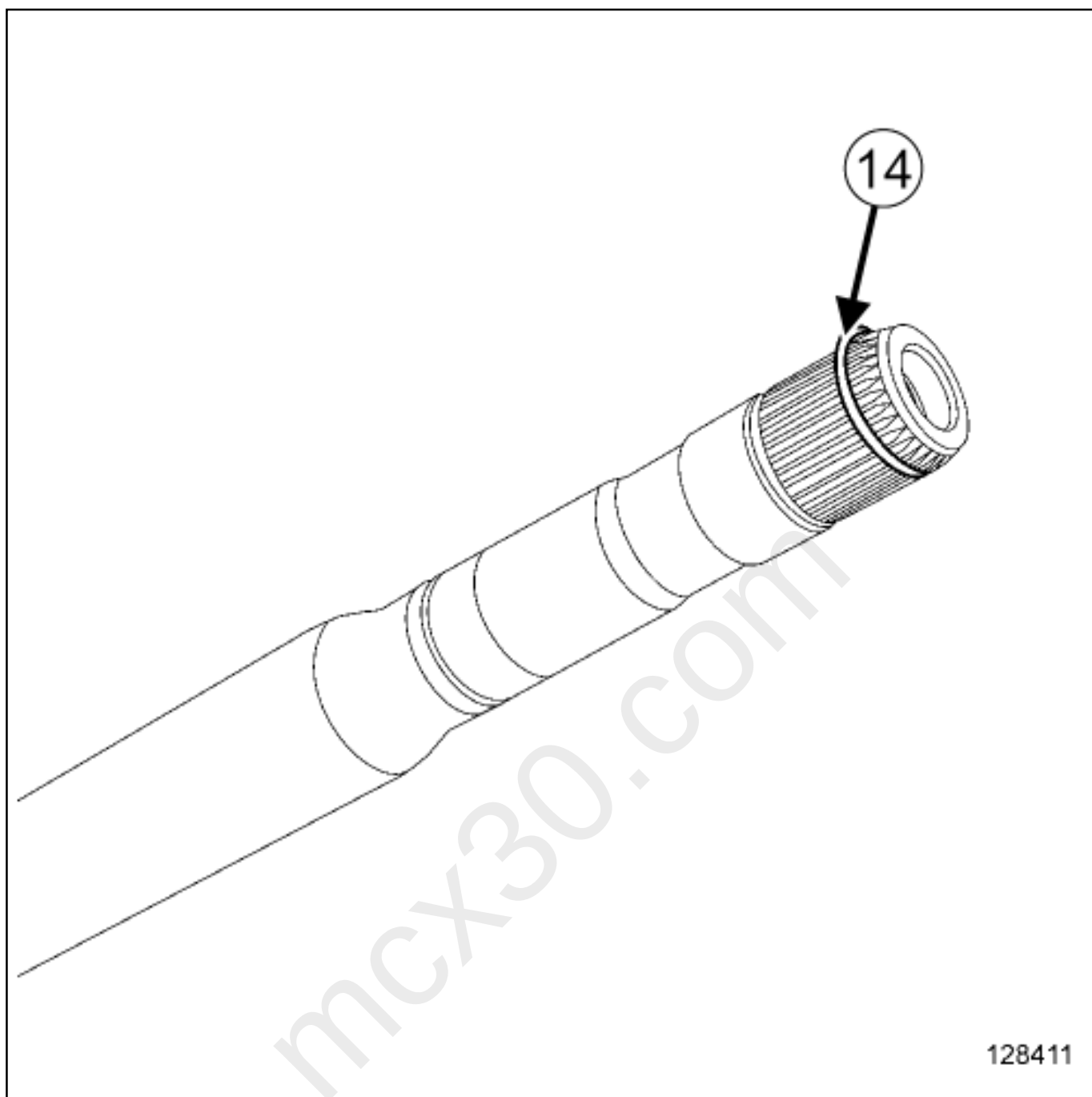


Cut the driveshaft gaiter.

Remove as much grease as possible.



Using a steel inertia hammer and a roll pin punch, hit the ball hub (12) a few times to detach the stub axle bowl (13) from the driveshaft.



Remove the lock ring(14) .

REFITTING

1. REFITTING PREPARATION OPERATION



parts always to be replaced:

Front driveshaft gaiter, wheel side



parts always to be replaced:

wheel side front driveshaft seal locking ring



Always replace:



the small securing clip,

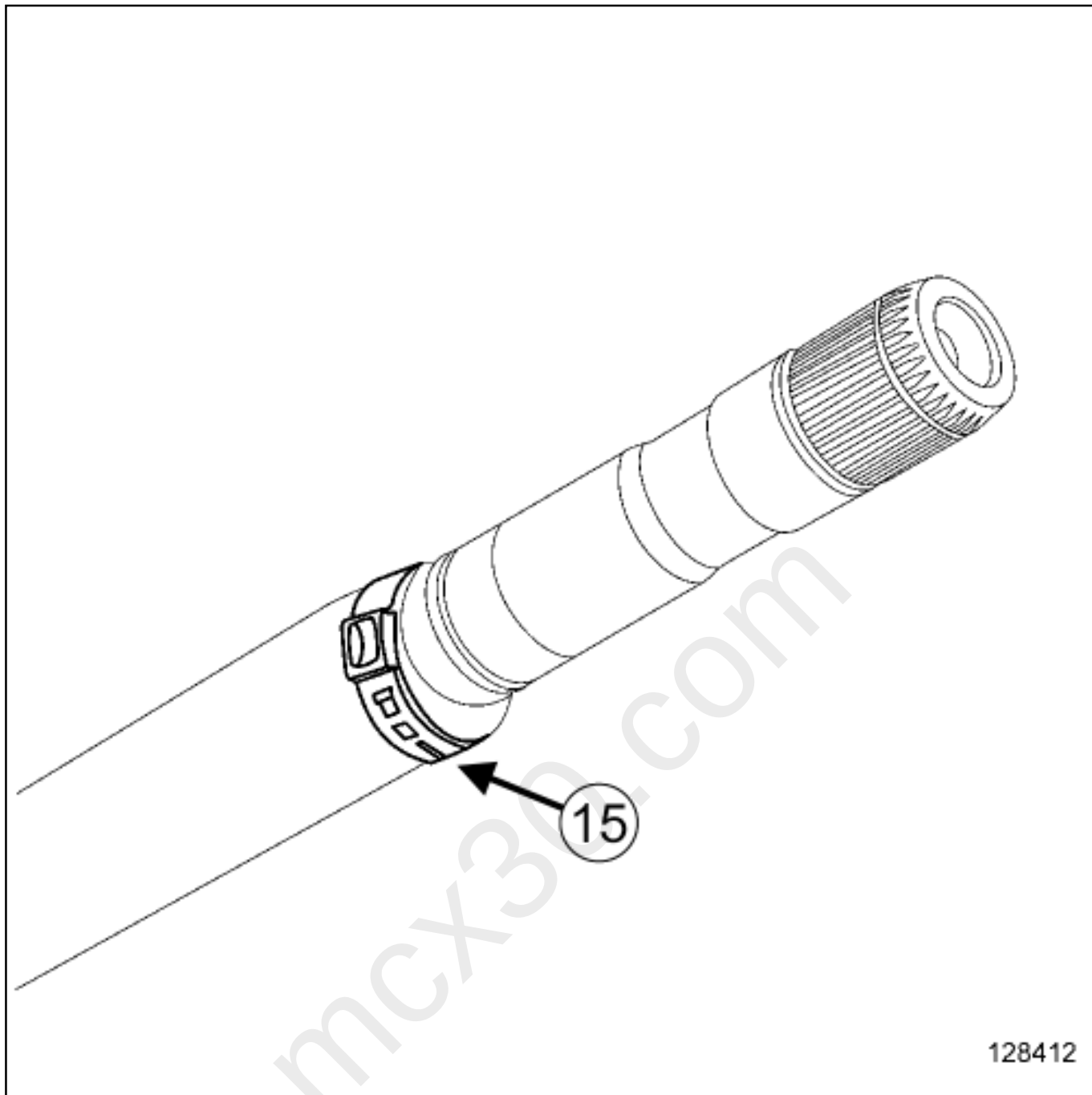


the big securing clip.



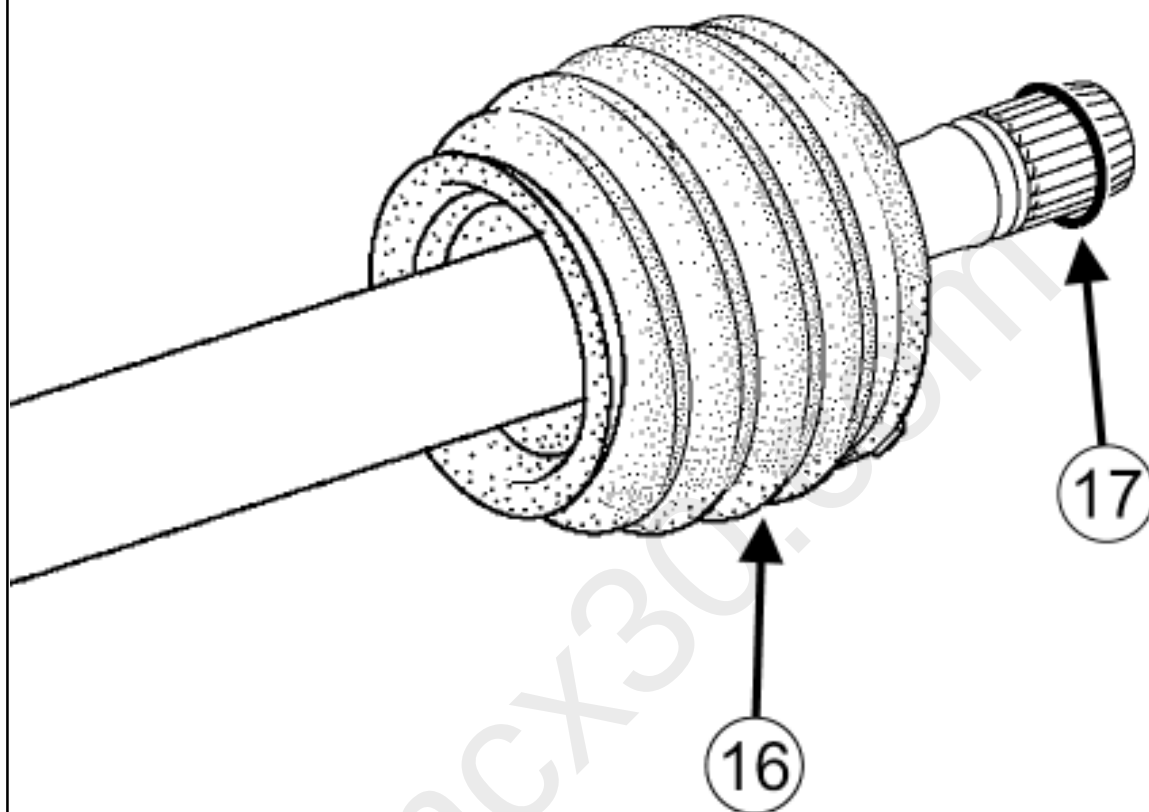
Using a parts washer, clean the driveshaft and the stub axle bowl.

2. REFITTING OPERATION FOR PART CONCERNED



Fit the small securing clip(15) onto the driveshaft.

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



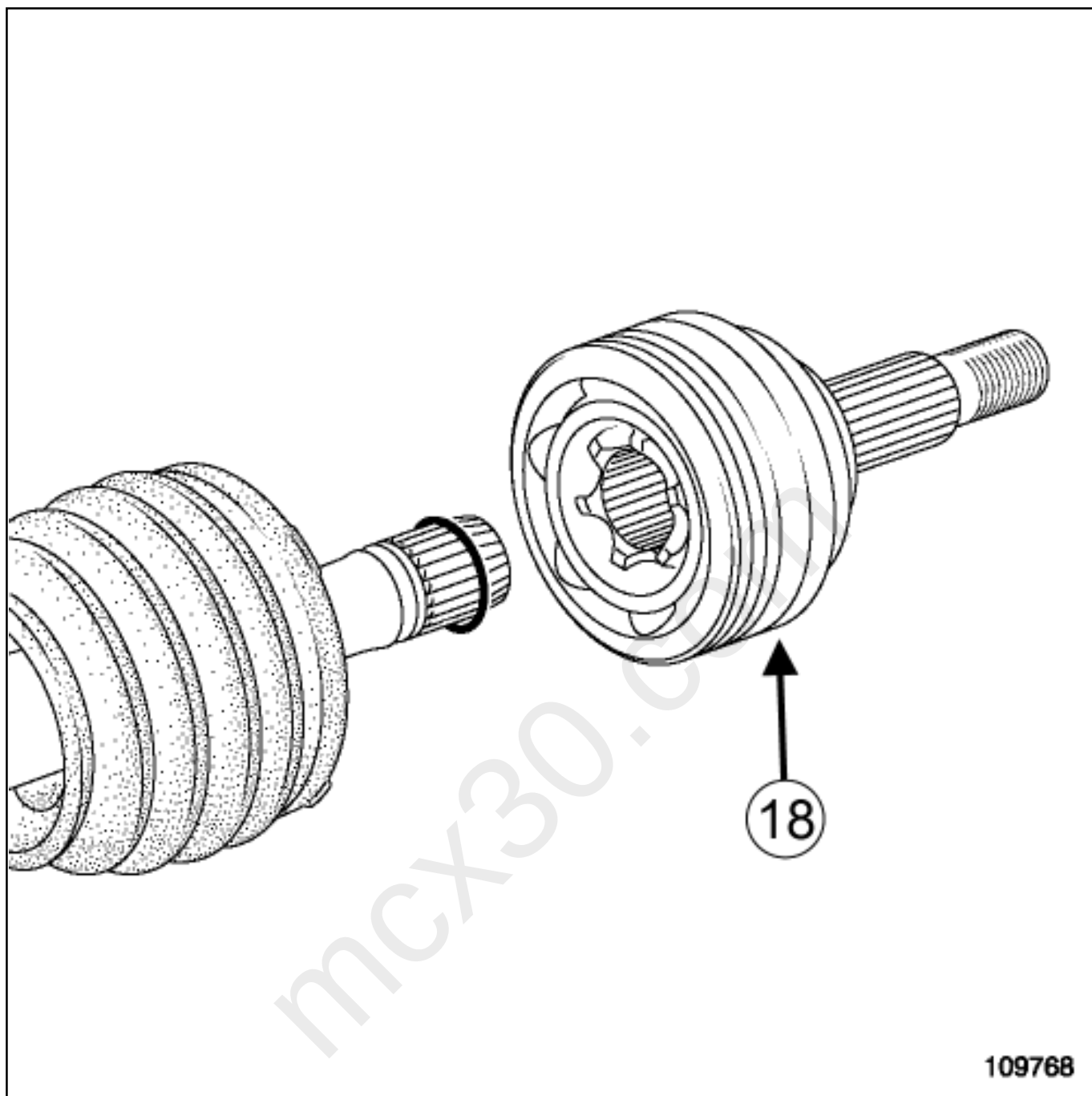
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Refit the gaiter(16) onto the driveshaft.

Insert the gaiter lip into the groove of the driveshaft.

Refit the lock ring(17) .

Spread the quantity of grease around the gaiter and the stub axle bowl.



Refit the stub axle bowl(18) to the driveshaft by tapping the stub axle bowl using a brass drift until the lock ring clicks into place behind the ball hub.



Fit the lip of the driveshaft gaiter into the groove on the stub axle bowl.



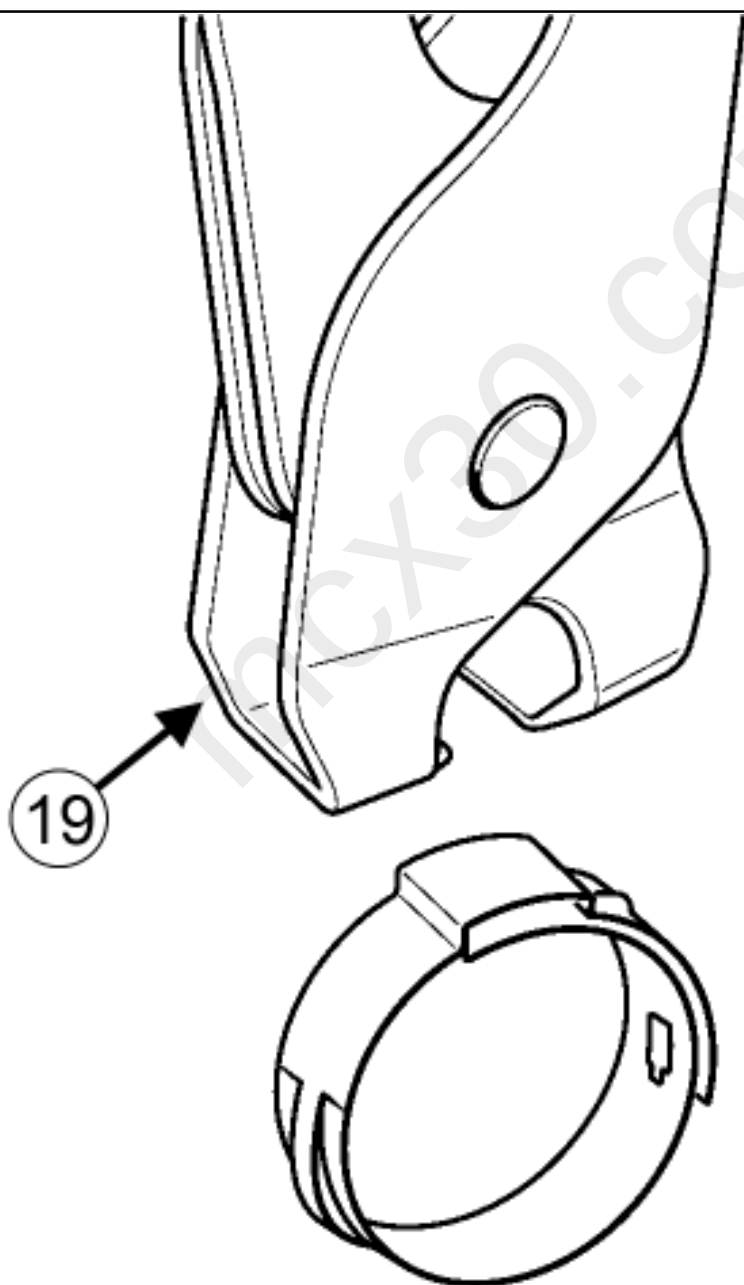
Note:

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

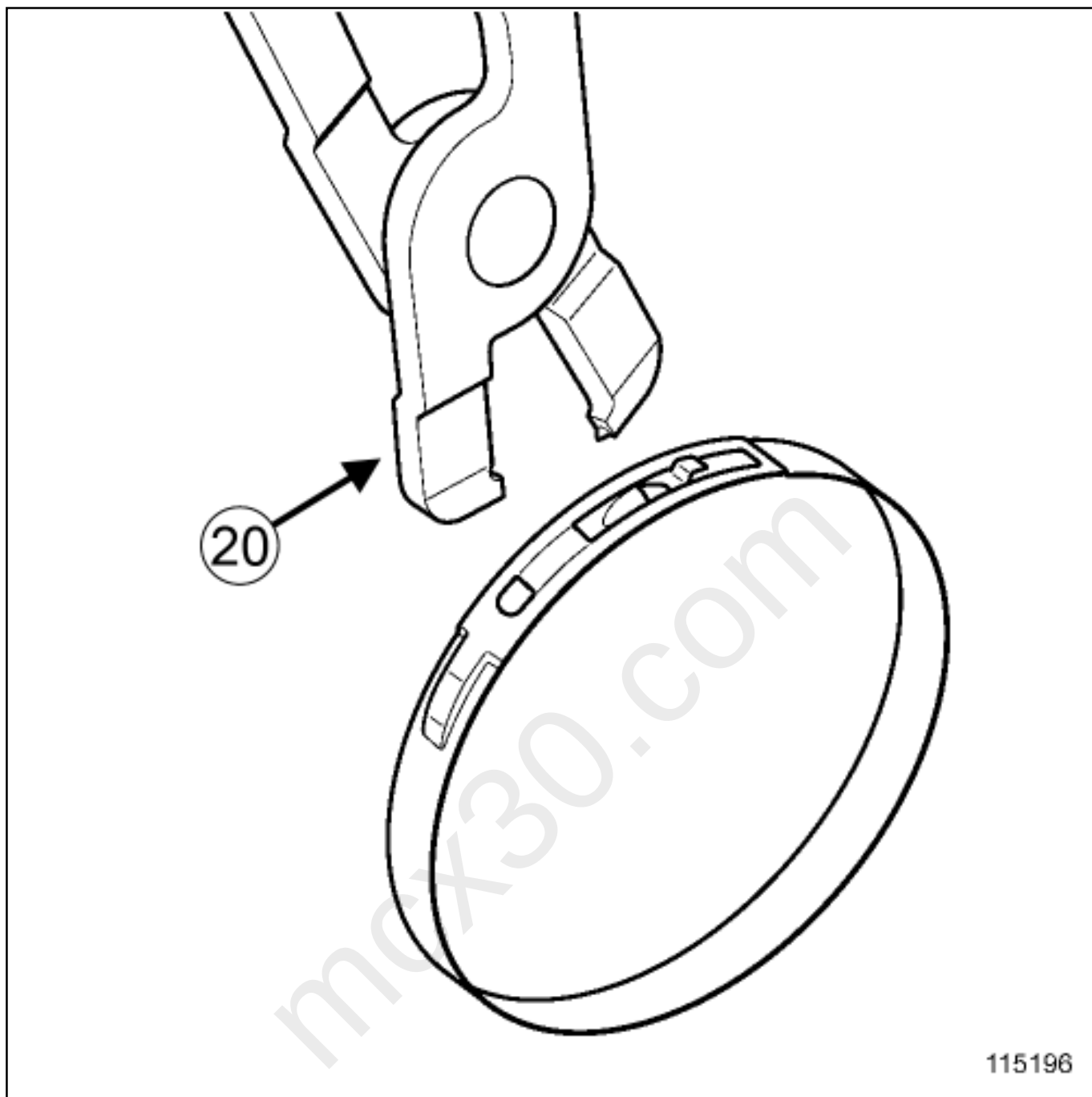
Fit the small securing clip on the driveshaft gaiter.

Refit the big securing clip on the driveshaft gaiter.

CLIC CLIP



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Tighten the clips using the toolType clip pliers for driveshafts with a thermoplastic gaiter.([Tav. 1168](#)) ([19](#)) for clic clips or the toolPliers for the driveshaft gaiter collar.([Tav. 1784](#)) ([20](#)) for profile end clips.

3. FINAL OPERATION



Refit a new differential output seal on the side concerned(see **Differential output seal: Removal - Refitting**)