

Refit:

the front left-hand driveshaft([see 29A, Driveshafts , Front left-hand driveshaft: Removal - Refitting](#)) ,

the front left-hand wheel[Wheel: Removal - Refitting](#) .

Fill up the gearbox(see **Manual gearbox oils: Draining - Filling**) Or [Automatic gearbox oil: Draining - Filling](#) .

Refit the engine undertray.



Repair-13x01x03x04-01x37-1-16-1.xml



XSL version : 3.02 du 22/07/11

FRONT LEFT-HAND DRIVESHAFT: REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Hub locking tool.	Rou. 604-01
Ball joint extractor.	Tav. 476
Pin extractor tool.	Emb. 880
Universal driveshaft push back tool (plate and claws without ram).	Tav. 1050-04
Screw jack for tools Tav. 1420, Tav.1050-04 , Tar. 1454, Tar. 1850.	Tav. 1420-01
Extraction claw for clip secured type driveshafts	Tav. 1813



parts always to be replaced:

[Front wheel hub nut](#)

CAUTION



In order to prevent irreversible damage to the front hub bearing:



Do not loosen or tighten the driveshaft nut when the wheels are on the ground.



Do not place the vehicle with its wheels on the ground when the driveshaft has been loosened or removed.



REMOVAL

1. REMOVAL PREPARATION OPERATION



Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .

Remove:



the engine undertray,

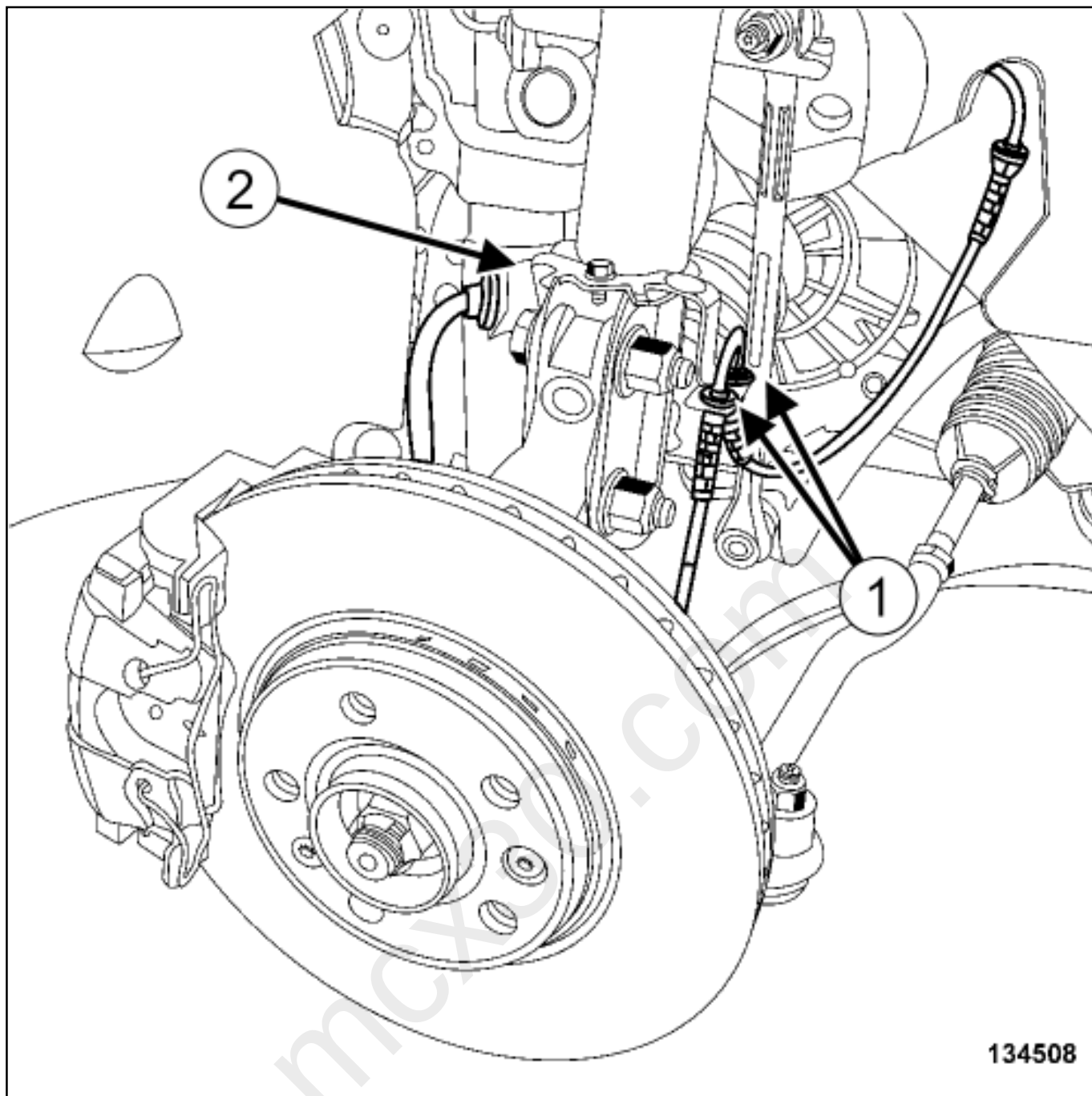


the front left-hand wheel [Front hub carrier assembly: Exploded view](#) .

Drain the automatic gearbox oil [Automatic gearbox oil: Draining - Filling](#) .

2. REMOVAL OPERATION

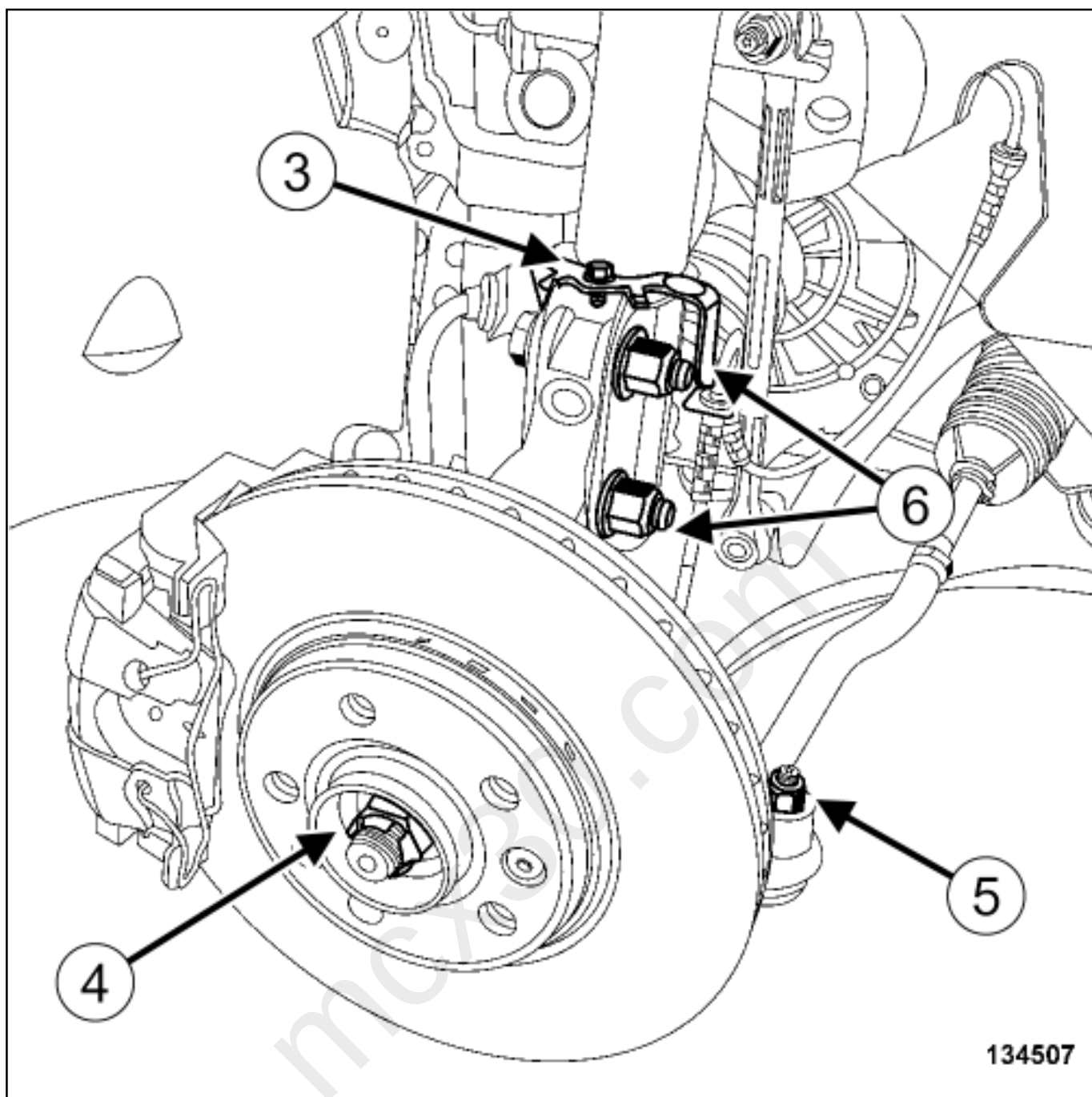
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Unclip:

- the wheel speed sensor wiring at(1) ,

- the front brake hose at(2) .



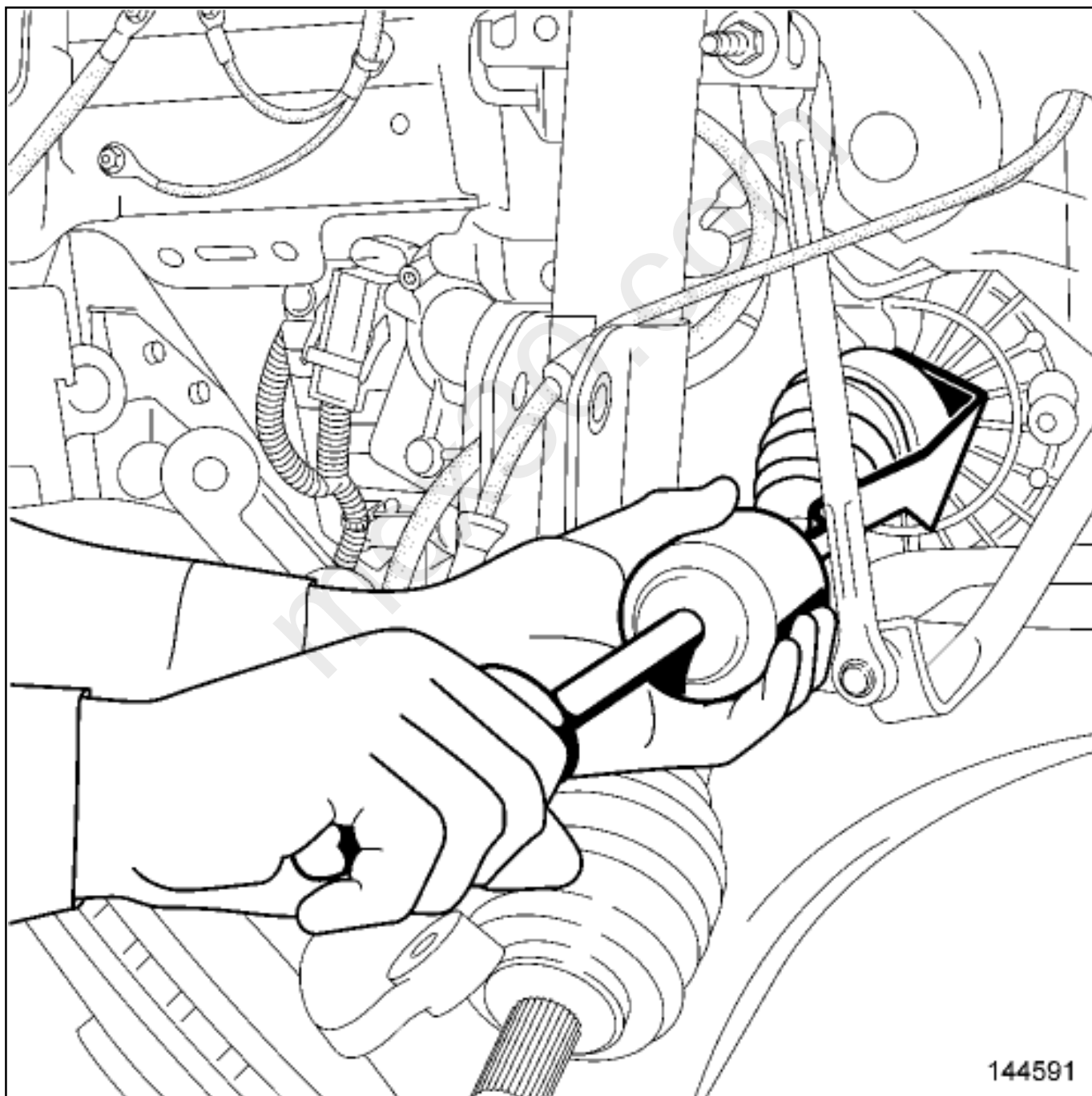
Remove:

- the bolt(3) of the brake hose and wheel speed sensor wiring support,
- the brake hose and wheel speed sensor wiring support,
- the nut(4) from the hub, immobilising the hub using the toolHub locking tool.(Rou. 604-01) ,
- the nut(5) from the track rod end,

the track rod end from the hub carrier using the tool Ball joint extractor. (Tav. 476) ,

the shock absorber base studs (6) .

Push back the front left-hand driveshaft from the hub carrier using the assembled tools Screw jack for tools Tav. 1420, Tav.1050-04 , Tar. 1454, Tar. 1850. (Tav. 1420-01) and Universal driveshaft push back tool (plate and claws without ram). (Tav. 1050-04) .



Detach the front left-hand driveshaft on the gearbox side using the tool Pin extractor tool. (Emb. 880) fitted with the tool Extraction claw for clip secured type driveshafts (Tav. 1813).

Remove:

the front left-hand driveshaft.

the left-hand differential output seal [Differential output seal: Removal - Refitting](#).

REFITTING

1. REFITTING PREPARATION OPERATION

parts always to be replaced:



[Front wheel hub nut](#)



2. REFITTING OPERATION

Refit a new left-hand differential output seal [Differential output seal: Removal - Refitting](#).

Note:



During removal, if there is threadlock on the universal joint splines and the universal joint nut. When refitting, apply threadlock to the universal joint splines and the universal joint nut.

Fit the front left-hand driveshaft into the gearbox as horizontally as possible.

Insert the front left-hand driveshaft into the hub carrier.



Note:

The driveshaft must fit freely in the hub carrier until it protrudes enough for the hub nut to be fitted.

Refit the shock absorber base bolts.

Torque tighten the shock absorber base bolts [Front axle assembly: Exploded view](#) .

Position the track rod.

Torque tighten the track rod end nut [Steering assembly: Exploded view](#) .

Refit a new hub nut.

Torque tighten the hub nut, while immobilising the hub using toolHub locking tool.(Rou. 604-01)

[Front hub carrier assembly: Exploded view](#) .

Refit:



the brake hose and wheel speed sensor wiring support,



the bolt of the brake hose and wheel speed sensor wiring support.

Torque tighten the wheel speed sensor wiring support bolt [Front axle assembly: Exploded view](#) .

Clip:



the wheel speed sensor wiring,

