

Refit:

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

the front right-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-13x01x03x03-01x37-1-13-1.xml



XSL version : 3.02 du 22/07/11

FRONT RIGHT-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
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



parts always to be replaced:



[Front wheel hub nut](#)

[relay bearing bracket bolt](#)

CAUTION



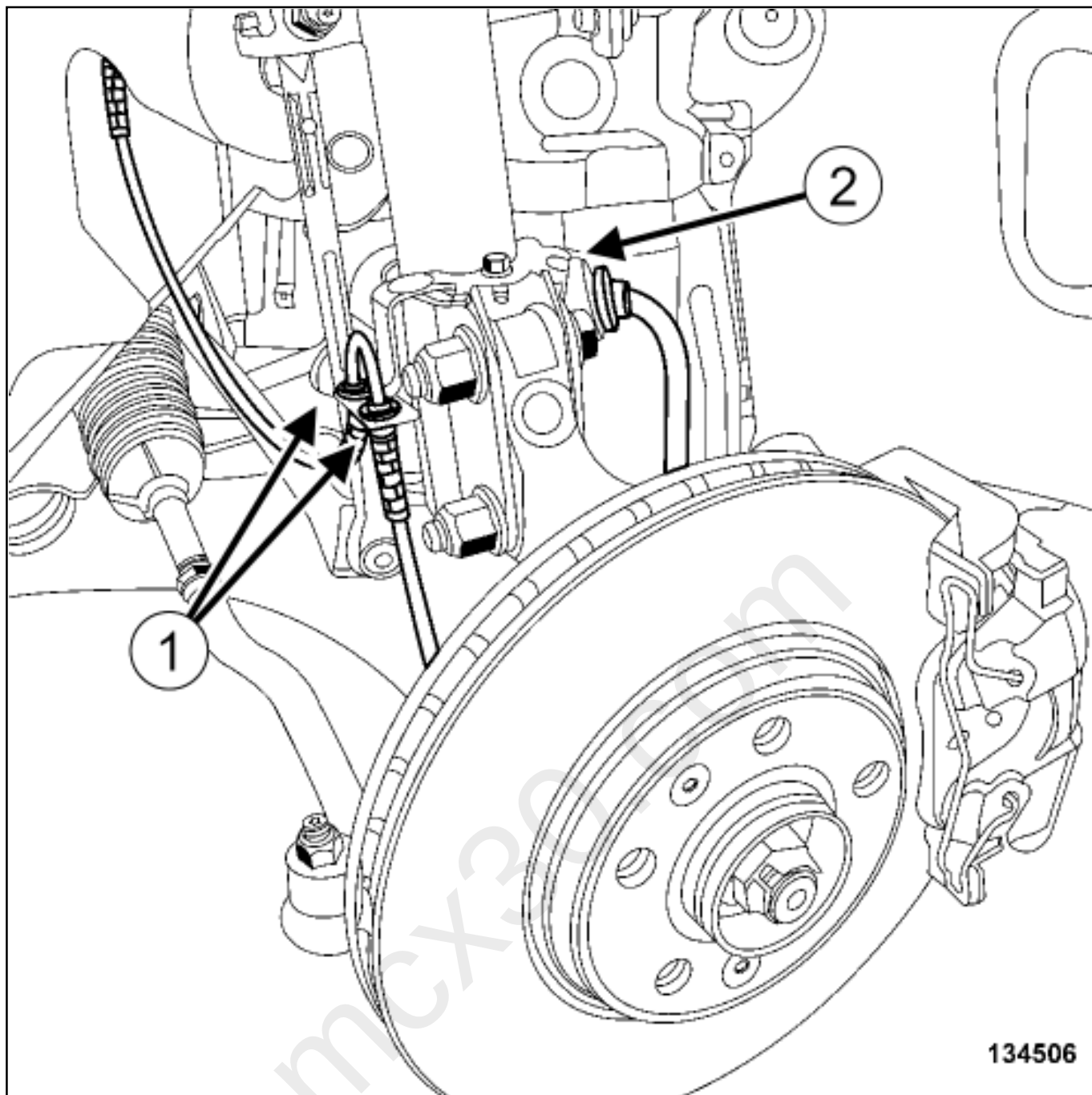
- ☐ In order to prevent irreversible damage to the front hub bearing:
 - Do not loosen or tighten the driveshaft nut when the wheels are on the ground.
 - Do not place the vehicle with its wheels on the ground when the driveshaft has been loosened or removed.

REMOVAL

1. REMOVAL PREPARATION OPERATION

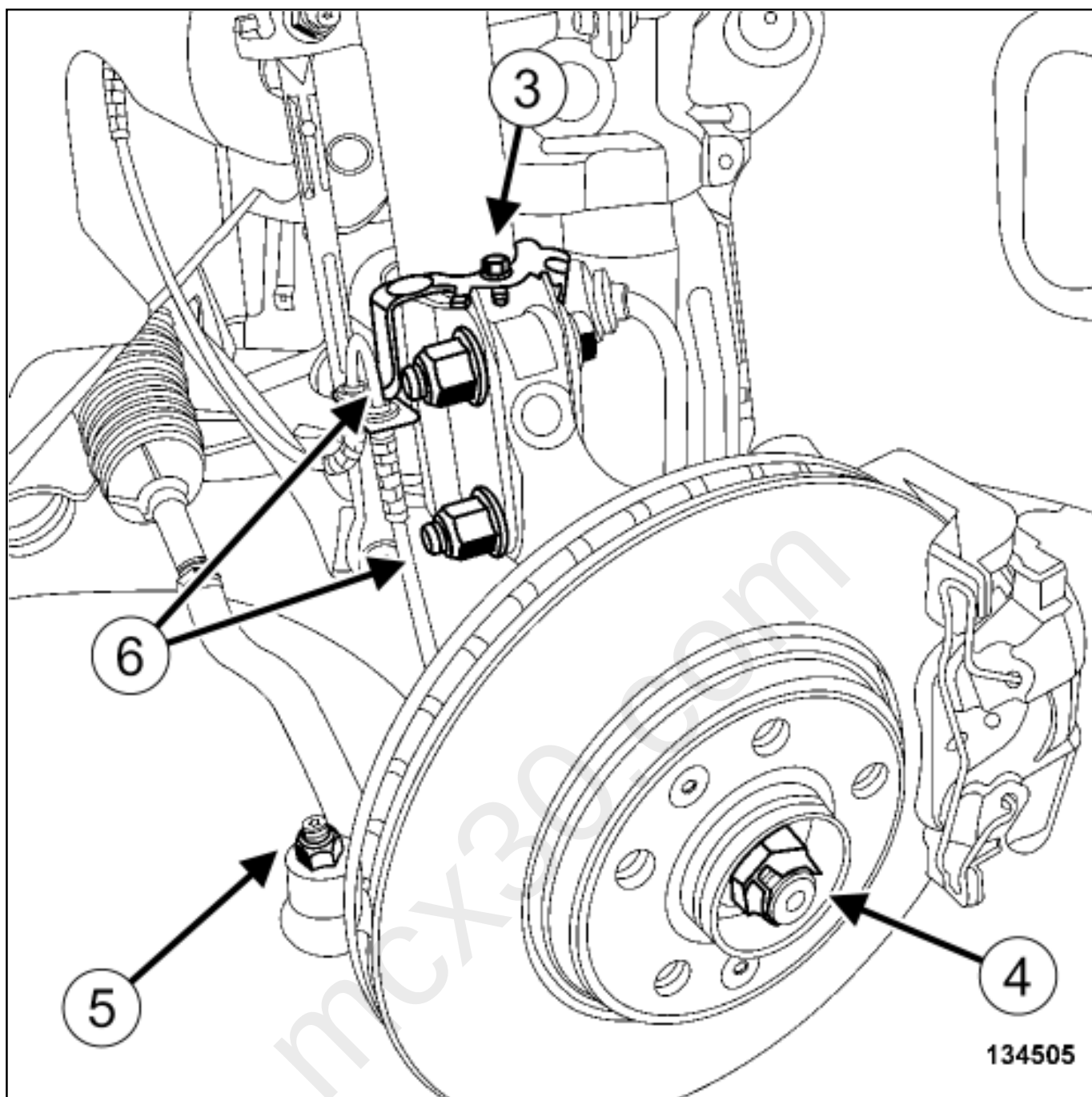
- ☐ Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- ☐ Remove:
 - the engine undertray,
 - the front right-hand wheel [Front hub carrier assembly: Exploded view](#) .
- ☐ Drain the automatic gearbox oil [Automatic gearbox oil: Draining - Filling](#) .

2. REMOVAL OPERATION



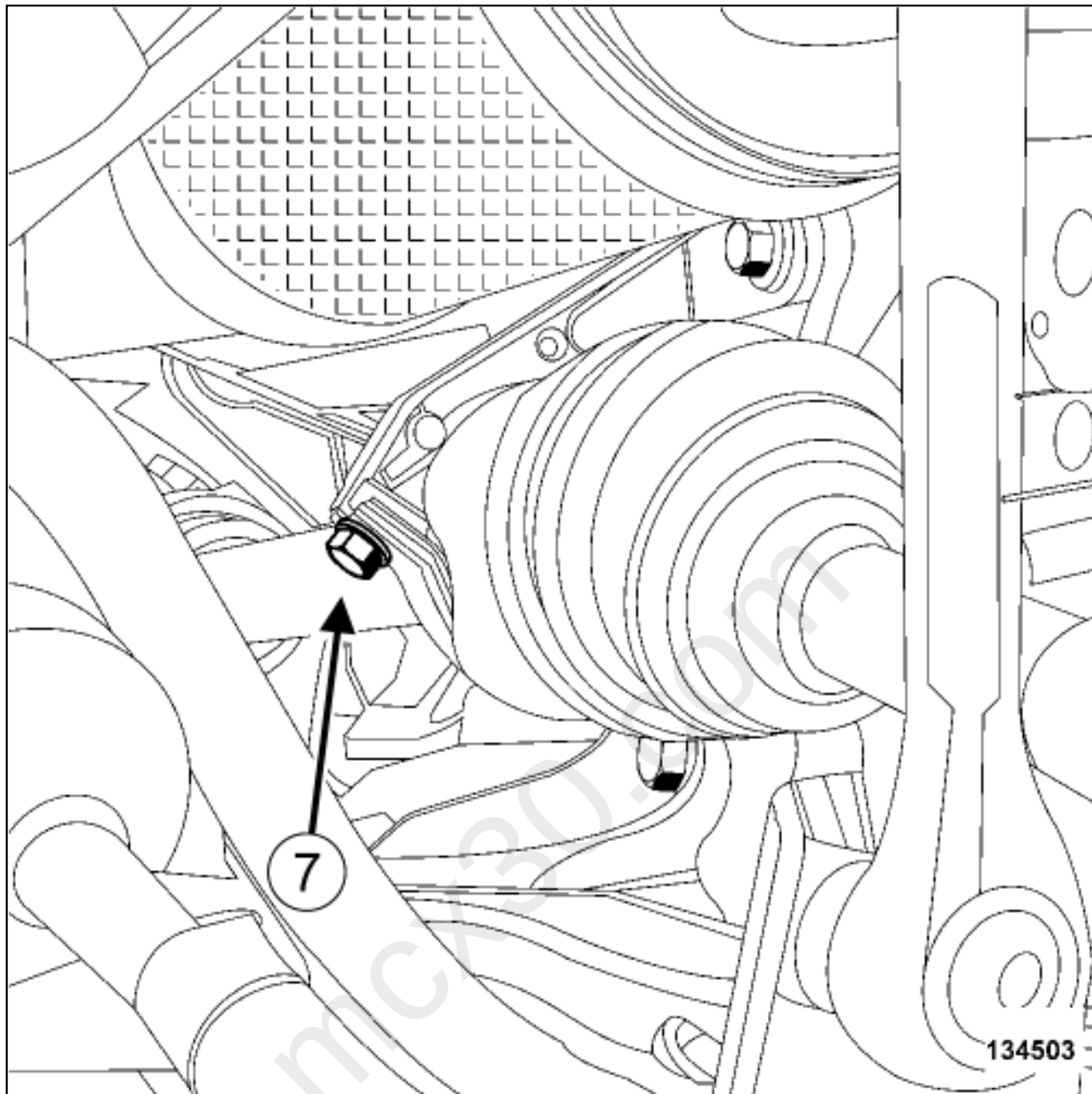
■ Unclip:

- the wheel speed sensor wiring at(1) ,
- the front brake hose at(2) .

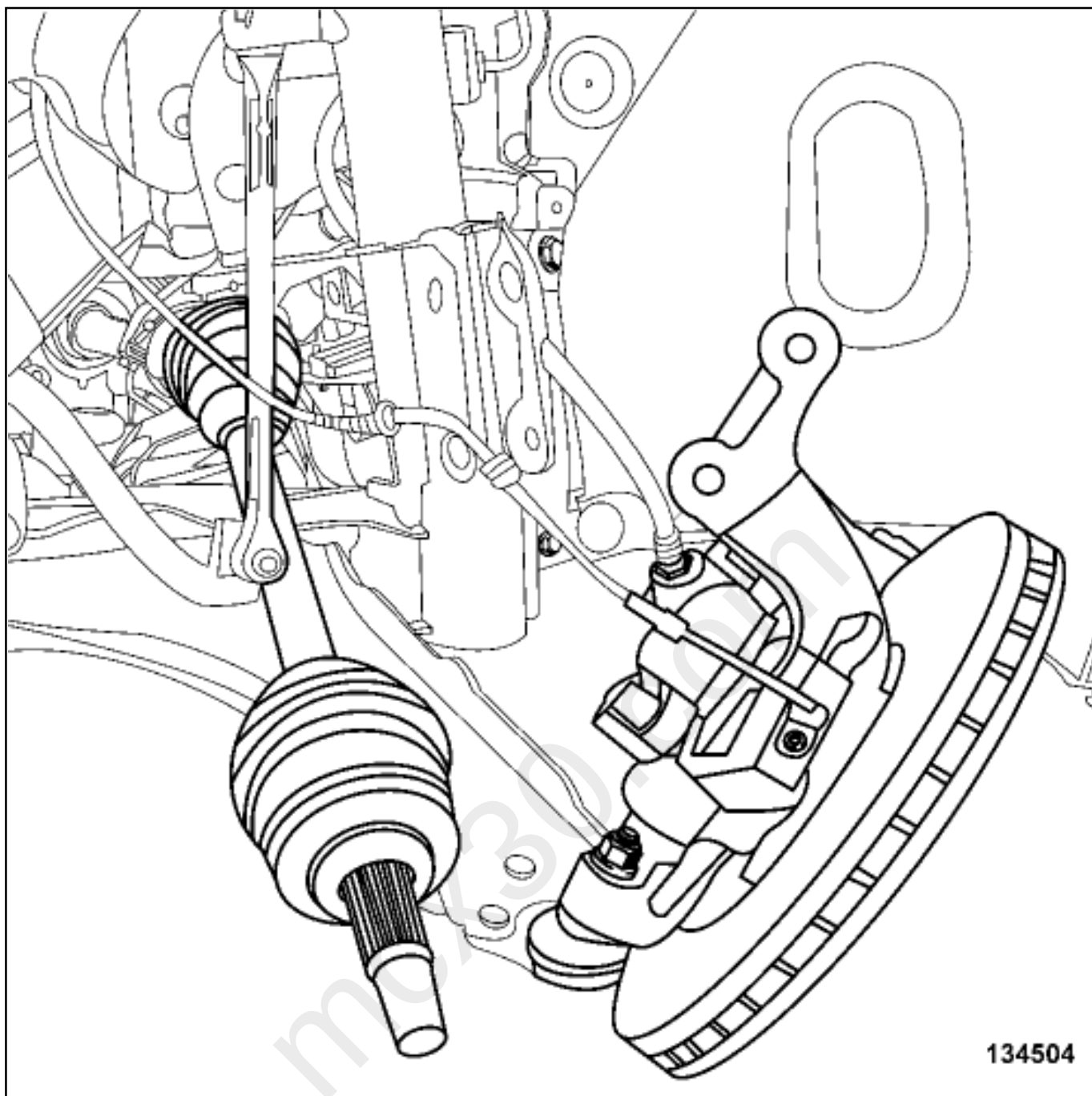


■ Remove:

- 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 Hub 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) .



Remove the driveshaft relay bearing bolt(7) .



Push back the front right-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) .



Remove:



the front right-hand driveshaft,



REFITTING

1. REFITTING PREPARATION OPERATION



parts always to be replaced: Front wheel hub nut .



parts always to be replaced: relay bearing bracket bolt .

Note:



Always replace the relay bearing self-threading bolt with a classic tapered-end bolt or a cylindrical-pilot bolt every time the right-hand driveshaft is removed (except if the entire relay bearing is replaced, in which case it is supplied with a self-threading bolt).



Clean and grease the driveshaft relay bearing bore into which the bearing is inserted with BR2+ grease Vehicle: Parts and consumables for the repair .

2. REFITTING OPERATION



Refit a new right-hand differential output seal(see **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 right-hand driveshaft into the gearbox as horizontally as possible.

Refit:

-
- the front right-hand driveshaft into the relay bearing,
- a new relay bearing bolt.

Torque tighten the relay bearing bolt 21 N.m.

Insert the front right-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 tool Hub locking tool. (Rou. 604-01)

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