

Marks	Designations	Informations
1	Wheel bolts	Wheel: Removal - Refitting
2	Front brake disc	(see 31A, Front axle components, Front brake disc: Removal - Refitting)
3	Front driveshaft nut	(Rou. 604-01)
4	Front wheel hub	
5	Front hub carrier bearing rubber ring	
6	Front wheel speed sensor	Front wheel speed sensor: Removal - Refitting
7	Front brake calliper	(see 31A, Front axle components, Front brake calliper assembly: Exploded view)
8	Front brake disc protector	
9	Front hub carrier bearing	(see 31A, Front axle components, Front hub carrier bearing: Removal - Refitting)
10	Front driveshaft hub carrier	
11	Frontdriveshaft	Front left-hand driveshaft: Removal - Refitting and Front right-hand driveshaft: Removal - Refitting



Repair-13x02x03x21-02x50-1-4-1.xml



mcx30.com

FRONT HUB CARRIER BEARING: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



WARNING



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

- [\(see 31A, Front axle components, Front axle components: Precautions for the repair\)](#) ,
- [Vehicle: Precautions for the repair](#) .

CAUTION



■ In order not to damage the brake hose:

- do not tension the hose,
- do not twist the hose,
- check that there is no contact with the surrounding components.

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.

Location and specifications (tightening torques, parts always to be replaced, etc.)[\(see 31A, Front axle components, Front hub carrier assembly: Exploded view\)](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

- Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- Remove the front wheel [\(see 31A, Front axle components, Front hub carrier assembly: Exploded view\)](#) .
- Remove [\(see 31A, Front axle components, Front brake calliper assembly: Exploded view\)](#) :
 - the front brake pads,

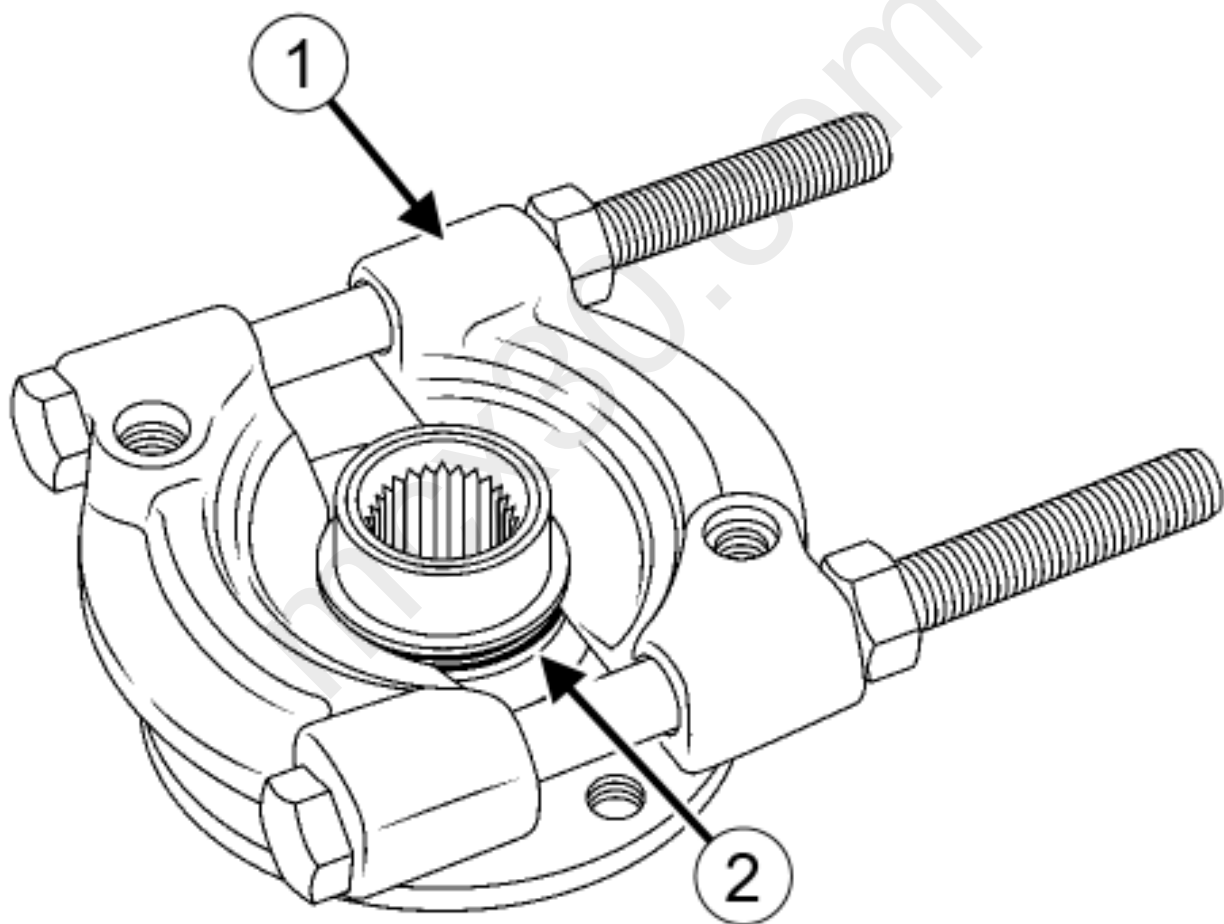
- the front brake calliper mounting.

■ Remove [\(see 31A, Front axle components, Front hub carrier assembly: Exploded view\)](#) :

- the front brake disc,
- the front driveshaft hub carrier.

2. REMOVAL OPERATION

■ Remove the elastic ring from the front driveshaft hub carrier [\(see 31A, Front axle components, Front hub carrier assembly: Exploded view\)](#) .



101230

Place the extractor jaws(1) in the groove of the internal bush(2) .

REFITTING

1. REFITTING PREPARATION OPERATION

Use surface cleaner [Vehicle: Parts and consumables for the repair](#) to clean:

-
- the internal and external surfaces of the bearing, in contact with the hub carrier and the hub,
- the hub carrier surfaces in contact with the bearing,
- the hub surfaces in contact with the bearing.



CAUTION

To ensure that the wheel speed sensor works properly, do not mark the sensor target on the bearing.



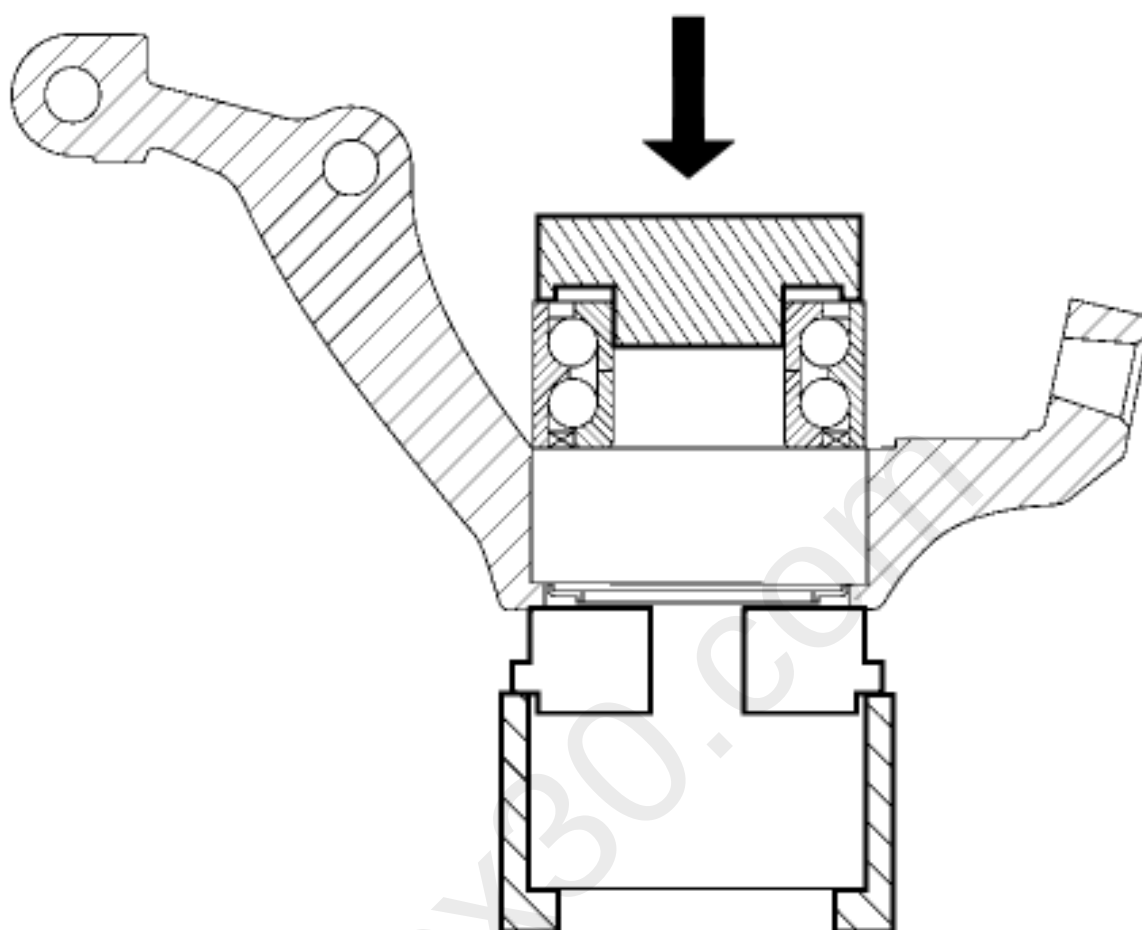
CAUTION

Do not press the bearing's internal bush so as to avoid damaging the bearing (very high shrink-fitting force).

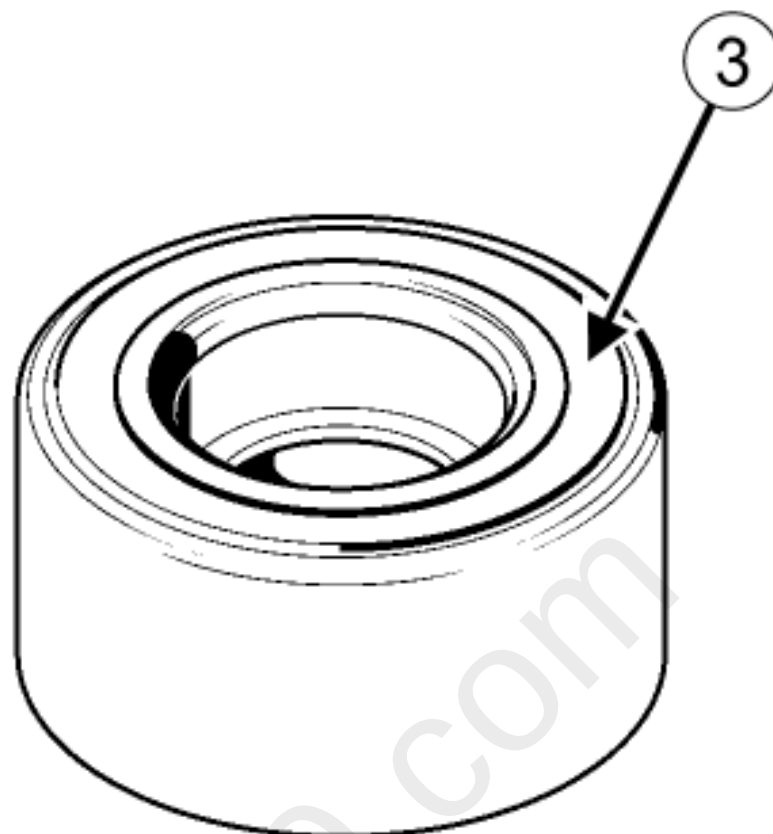
Check the condition of the hub surface and the bore of the hub carrier in contact with the bearing.

Replace any component whose contact surfaces have deep scratches or cracks.

2. REFITTING OPERATION



141795



115568



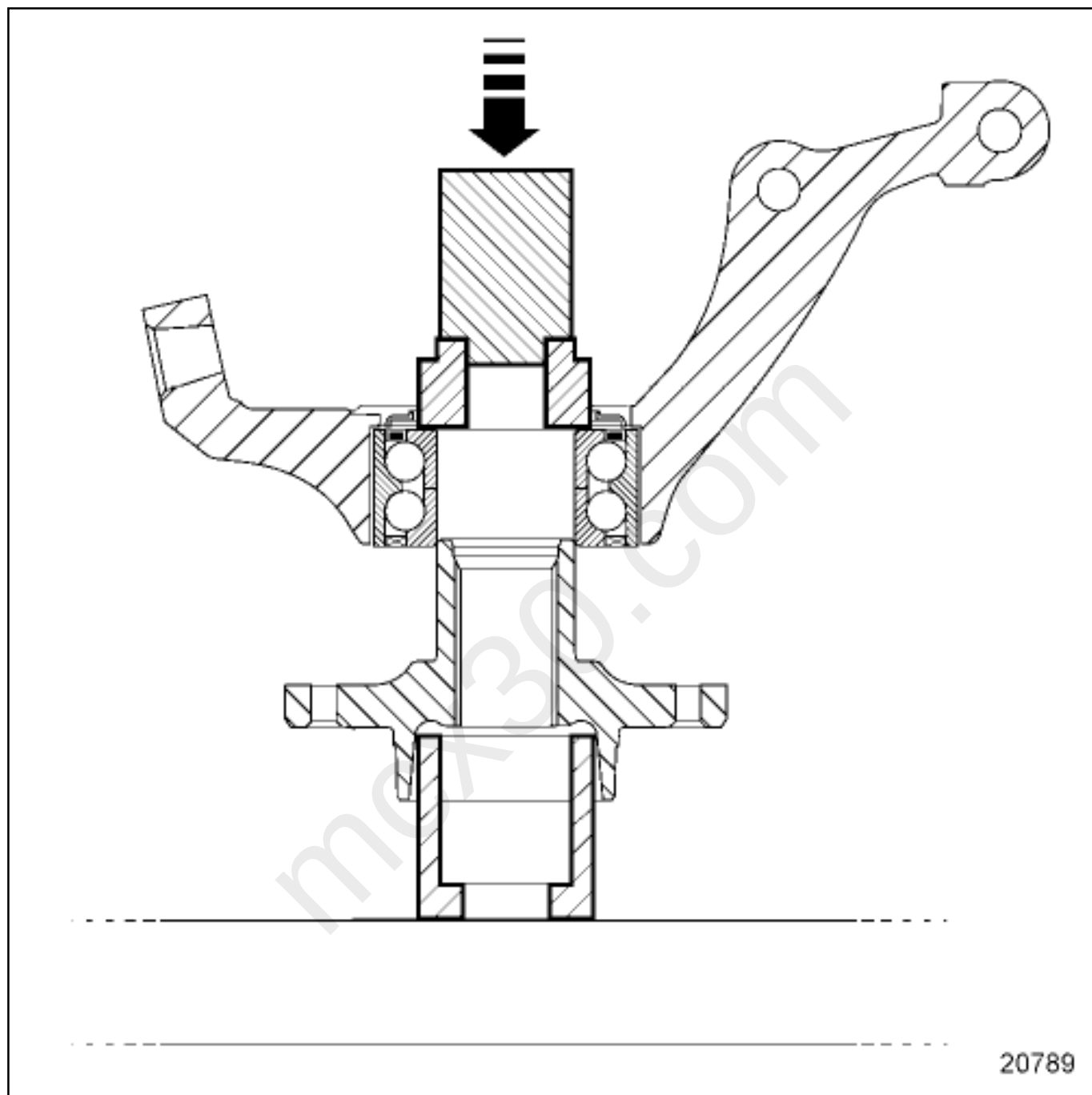
CAUTION

To ensure that the wheel speed sensor works properly, do not mark the sensor target (3) on the bearing.

Position the sensor target on the wheel side of the bearing on the hub carrier.



Apply a fitting force of 50,000 N to ensure that the bearing is correctly fitted on the hub carrier shoulder.



Refit:



the hub using a tube with an external diameter of 54 mm,



the elastic ring on the front driveshaft hub carrier.