

Value	Tolerance	Position of vehicle
+11°23'	+35'	Vehicle in running order
	-35'	



Repair-13x02x01-02x13-6-37-1.xml



XSL version : 3.02 du 22/07/11

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FRONT BRAKE CALLIPER: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Brake calliper piston return tool.

Fre. 1190-01

Equipment required

pedal press

indelible pencil

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



WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions[Vehicle: Precautions for the repair](#)

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

Prepare for the flow of fluid, and protect the surrounding components.

REMOVAL

1. REMOVAL PREPARATION OPERATION



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



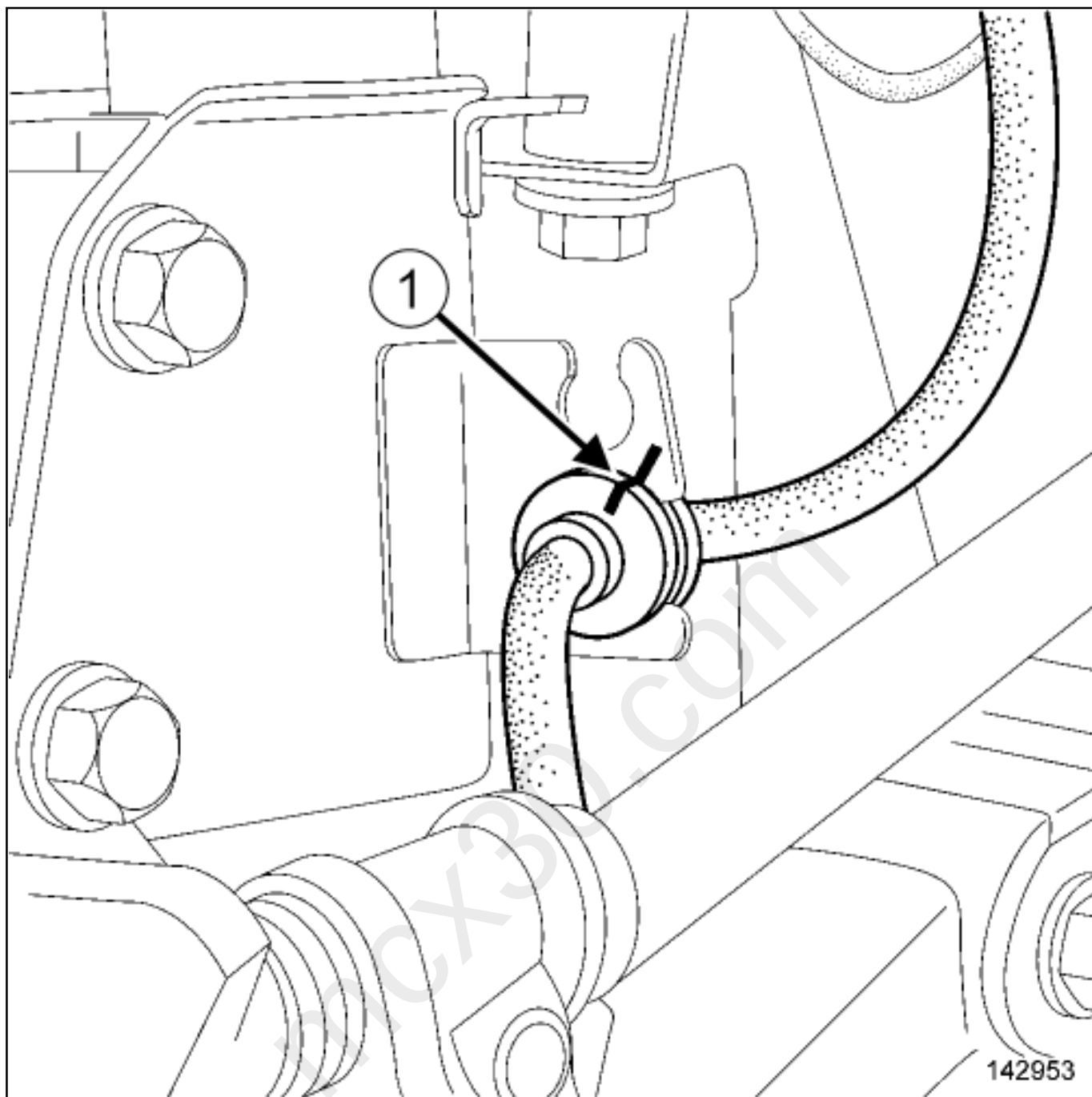
Position a pedal press on the brake pedal to limit the outflow of brake fluid.



Unlock the steering column.



Remove the front wheels ([see 31A, Front axle components, Front hub carrier assembly: Exploded view](#)) .



Set the wheels straight ahead.

Mark the position of the front brake hose cap(1) on the shock absorber base using an indelible pencil .

Unclip the front brake hose cap(1) from the shock absorber base.

2. REMOVAL OPERATION



Undo the front brake hose union on the front brake calliper([see 31A, Front axle components, Front brake calliper assembly: Exploded view](#)) .



Remove ([see 31A, Front axle components, Front brake calliper assembly: Exploded view](#)) :



the guide pin bolt caps of the front brake calliper,



the guide pin bolts of the front brake calliper,



the front brake calliper from the front brake calliper mounting,



the front brake hose union from the front brake calliper,



the front brake calliper.

REFITTING

1. REFITTING PREPARATION OPERATION



Check:



the condition of the calliper gaiter,



the condition of the calliper if it has any deep scratches or cracks.



Replace any faulty parts(see **Front brake calliper: Repair**) .



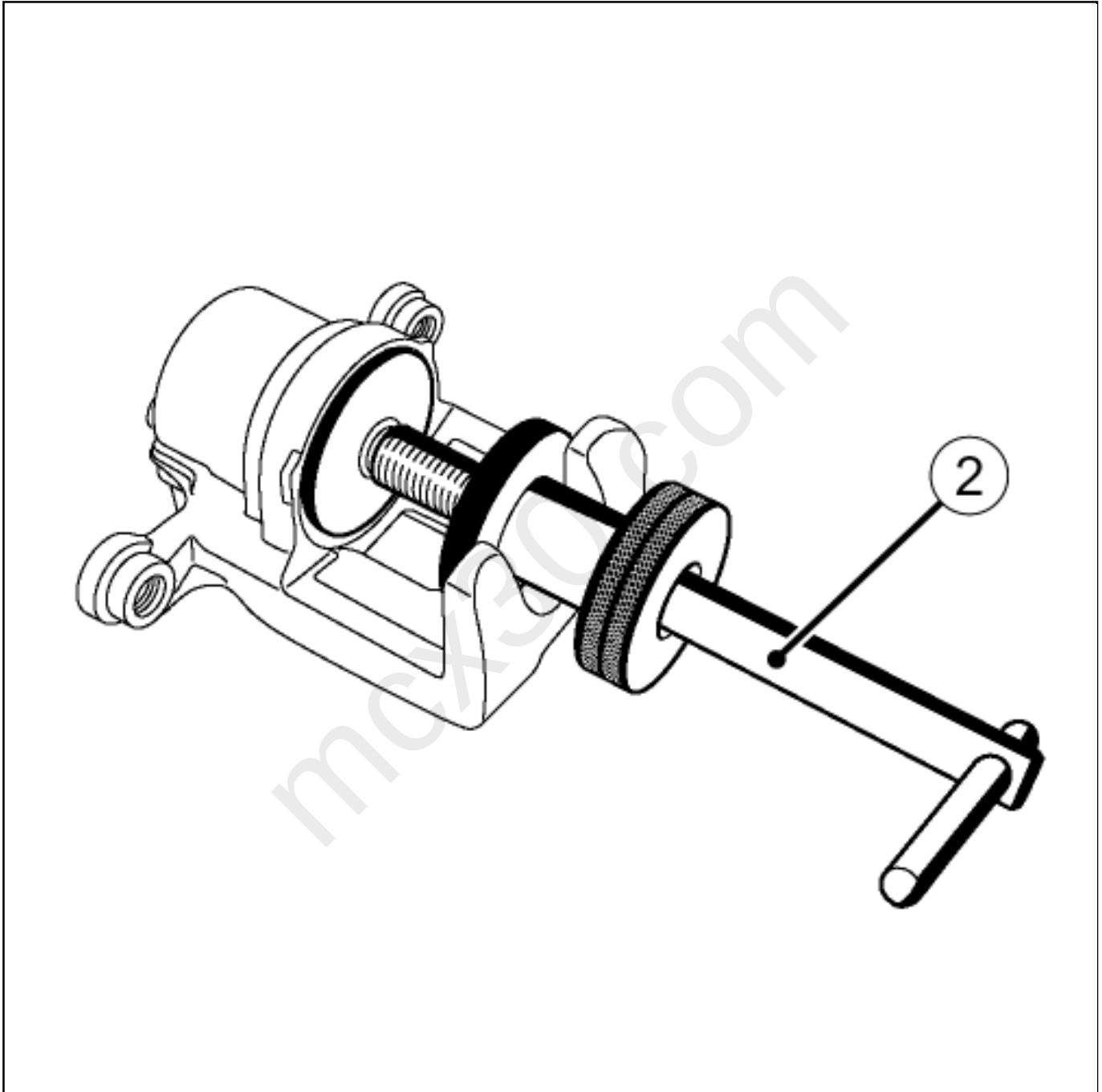
Clean using a wire brush and brake cleaner([Vehicle: Parts and consumables for the repair](#)) :



the front brake calliper,

the front brake calliper mounting.

2. REFITTING OPERATION



Push back the front brake calliper pistons to the bottom of their housings using the tool Brake calliper piston return tool.(Fre. 1190-01) (2) .