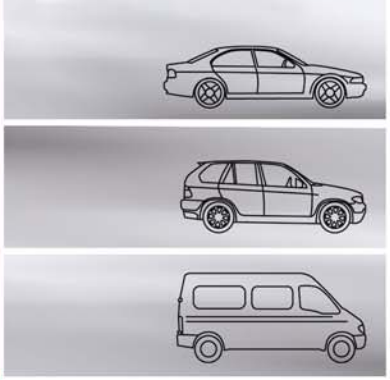
REAR BRAKES

RENAULT MÉGANE II



FERODO

INSTALLATION GUIDE

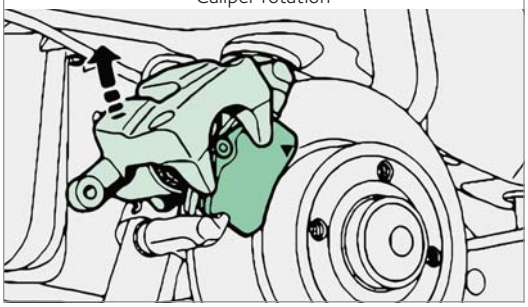
REAR BRAKES

BRAKE PADS

REMOVAL

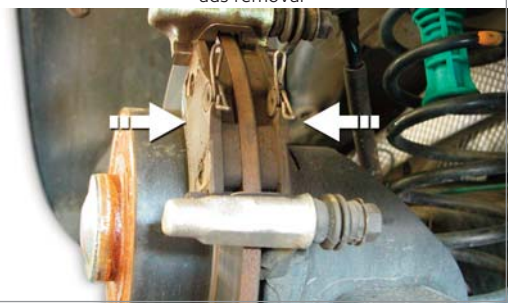
- Position vehicle onto lift.
- Release parking brake.
- Remove rear wheels.
- Release the parking brake cables.
- Remove the lower calipers stud mounting bolts.
- Turn the caliper upward.

Caliper rotation



- Remove the brake pads.

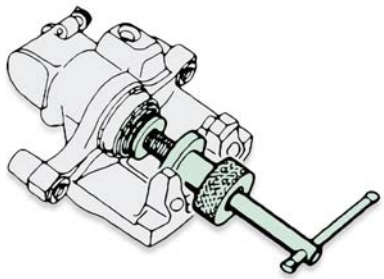
Pads removal



REPLACEMENT

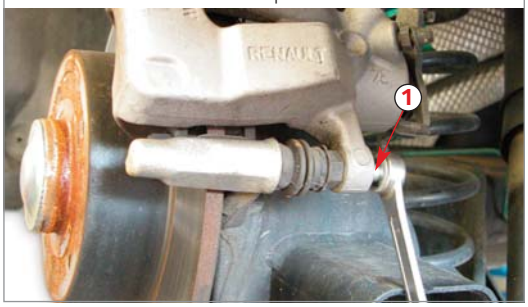
- Press back the piston fully home against the bottom of its seat.

Piston retraction



- Fit new pads.
- Refit the stud bolts (**1**).
- Tighten lower caliper stud bolts **to the torque of 7 Nm**.
- Reattach the parking brake cables.

Stud bolts replacement



Fit new bolts if supplied, if not thread retainer should be applied before re-fitting existing bolts.
Press the brake pedal several times to make contact between the pistons and the pads.
Apply the handbrake to check functionality of the park brake.
Also, if disc replacement is necessary, see the replacement and removal procedures on page 2.

FEDERAL MOGUL

BRAKE DISC

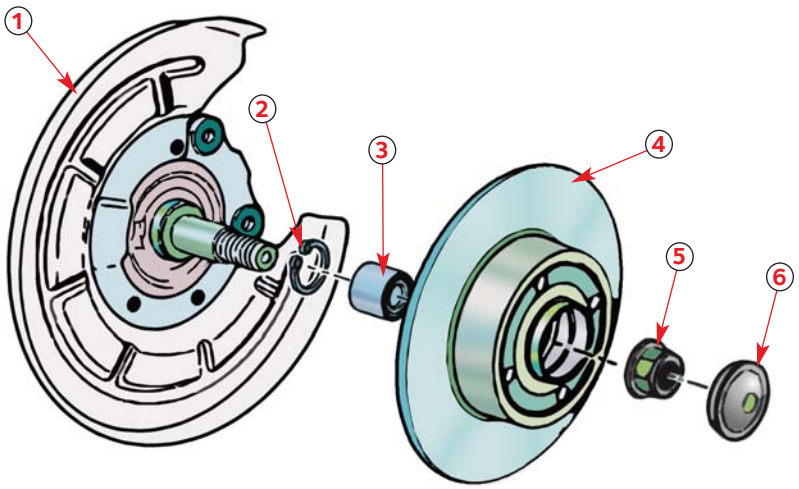
REMOVAL

- Position vehicle onto lift.
- Remove rear wheels.
- Release the parking brake cables.
- Remove the stud bolts.
- Remove the brake caliper.
- Remove the pads.
- Remove the caliper mountings screws.
- Remove the caliper mountings.
- Remove the hub plugs.
- Remove the stud holder nut.
- Remove the disc-bearing set.

REPLACEMENT

- Position the disc-bearing set onto the stud holder and tighten **to the torque of 15 Nm.**
- Tighten the stud holder nut **to the torque of 280 Nm** and fit the hub plugs.
- Fit the brake pads and position the caliper on the mounting.
- Tighten the brake caliper mountings screws **to the torque of 105 Nm.**
- Tighten the stud bolts **to the torque of 36 Nm**.
- Reattach the parking brake cables and carry out the adjustment.
- Check the brake fluid level.

Disc and rear wheel hub



1. Brake disc protection shield
2. Circlip
3. Double roller bearing
4. Brake disc
5. Wheel hub nut
6. Wheel hub dust cover

OPERATIONAL PRECAUTIONS

Brake fluid is hygroscopic, and it should be changed at regular intervals.
Do not use fluid which does not comply with the specifications indicated in the table.
Take care not to let fluid accidentally drop onto painted, rubber, plastic and mechanical parts.
Do not use brake fluid from a container that has been open for an extended period of time.

PARKING BRAKE

REMOVAL

- Place vehicle on lift.
- Remove the central console.
- Loosen parking brake adjuster as required.

Cable removal

REPLACEMENT AND ADJUSTMENT

- Re-attach the parking brake cables into their relative seats.
- Check routing and actuation of hand brake cables. Check cable is adjusted to caliper stop.
- Position the parking brake cables.
- Refit the parking brake caliper side cables.
- Refit the parking brake control side cables.
- Fit a new adjuster nut.

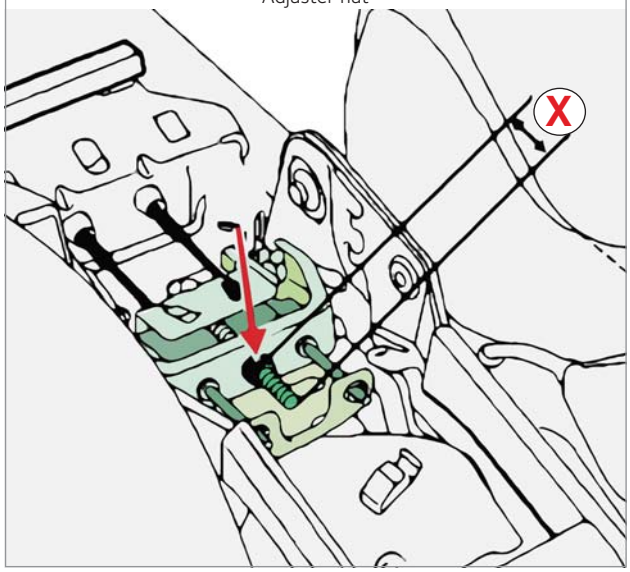
Old nut is no longer usable.

- Check that the parking brake cable locks are against the seat.
- Tighten the adjuster nut until the **X** value indicated in the picture is reached.

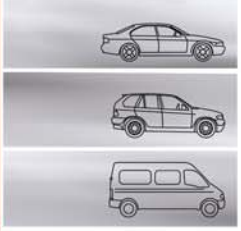
X = 21 mm	the cable lock bracket is black
X = 16 mm	the cable lock bracket is golden

When the hand brake cables are replaced apply the park brake control several times before adjusting the travel X value.

Adjuster nut



Restart level



HYDRAULIC CIRCUIT

BLEEDING

- Check brake fluid and bleeding device levels.

▸ **Note**:
ABS circuit must be free from hydraulic and/or electrical faults.

▸ **Warning**:
The vehicle battery should be disconnected for safety reasons.

- Position vehicle onto lift.
- Connect the bleeding device to the vehicle brake fluid reservoir.
- Fit the bleeding bowls onto the bleeding screws.
- Bleed the circuit by loosening the bleeding screws following the order here described.

Bleeding sequence

1.	right rear caliper
2.	left front caliper
3.	left rear caliper
4.	right front caliper

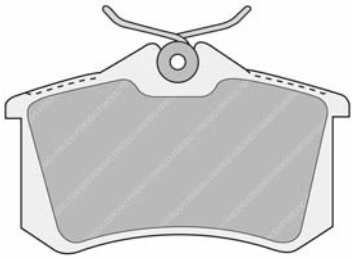
- Check the pedal travel with the engine switched off; if it is incorrect, repeat the bleeding procedure.
- Add oil until the desired brake fluid level into the reservoir after the bleeding device was removed.
- Check the bleeding screws tightening and verify that plugs are fitted.
- Carry out a road test where some instances of ABS braking occur in order to check if the brake pedal travel is regular.

BRAKE FLUID	
Quantity	1.0 litre
Product	SAE J 1703-DOT4
Maintenance intervals	Check level every 20,000 Km Change and bleed every 120,000 Km or every 4 years

BRAKE FLUID DOT4	
FBX050	500 ml
FBX100	1 l
FBX500	5 l
FBX2000	20 l

FERODO PART NOS.

Brake Pads	FDB1491



Brake Discs	
Series Part No.	**DDF1571**
Diameter (mm)	240,00
Thickness (mm)	8,00
Min. thickness (mm)	7,00
Max. out of round (mm)	0,07

Note:
As well as the Renault Mégane, this kind of caliper is also fitted on some models of:
- **Citroën** C4
- **Renault** Clio (III), Modus
- **Peugeot** 308

In co-operation with:
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