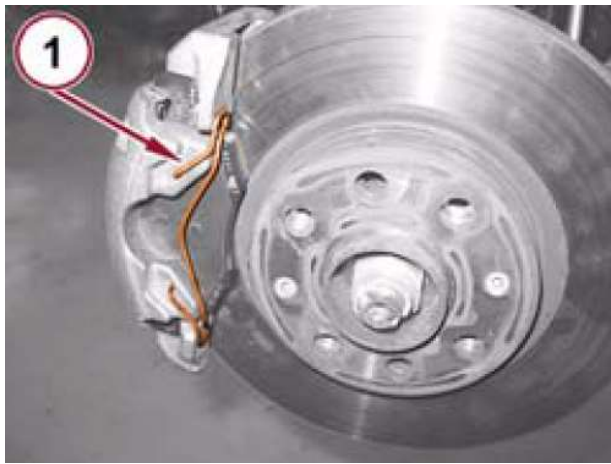


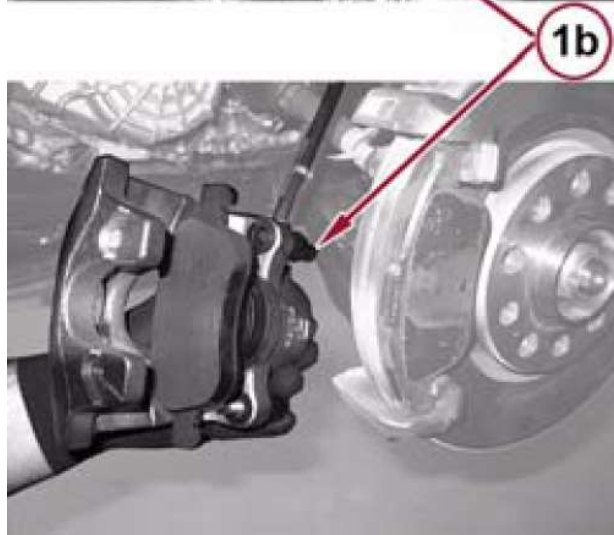
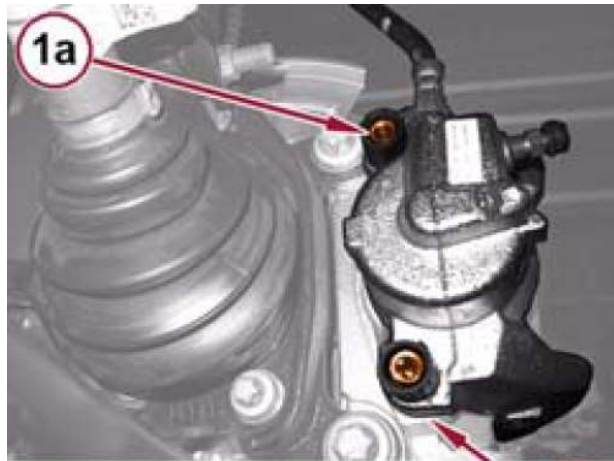
FIAT 500X 1.4L

FRONT BRAKE PAD & ROTOR REMOVAL

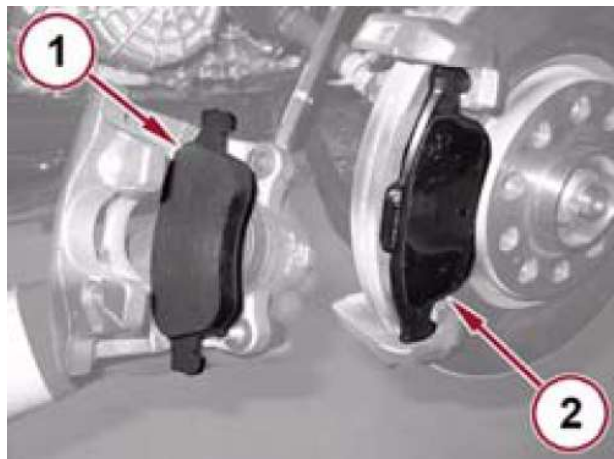
1. first wheel took me 2 hours and second wheel 45 minutes
2. wear rubber gloves, pry out plastic cover with flat screwdriver, loosen wheel nuts (17mm socket), chock rear wheels, electric park brake off, battery negative off, loosen brake fluid reservoir lid, turn steering wheel to direction of which side is being worked on (to allow space for breaker bar and torque wrench), raise car and remove wheel. Wash brake dust off wheel and place wheel under the car as insurance, jack stand under the main bolt of subframe for added safety. Place newspaper under rotor to catch brake dust. Best to wear a mask.
3. Remove the brake caliper retainer spring (1).



4. Remove the dust caps from the caliper mounting bolts.
5. Remove the caliper to caliper adaptor bolts (1a) with 7mm hex. Remove caliper by inserting 2 large screwdrivers between caliper and slotted part of rotor and pry out towards front of car. Support the caliper on a box or hang up with wire.



6. Remove the inner brake pad (1) from the caliper.
7. Remove the outer brake pad (2) from the caliper adaptor
8. Undo two 16mm bolts (may need breaker bar) and 5mm hex screw securing the rotor. Pull out the brake caliper knuckle. Use mallet to knock rotor off but remember to rotate rotor.



FRONT PAD & ROTOR INSTALLATION

1. Using a suitable tool, push the brake caliper piston into the caliper housing. Install brake rotor including 5mm hex retaining screw.
2. On the brake pad contacting surfaces, grease the brake caliper and adaptor with copper grease.

3. Position the outer brake pad (1a) onto caliper adaptor as shown.
4. Position the inner brake pad (2a) into the caliper as shown.



5. Position the brake caliper onto the caliper adaptor. Tighten the caliper to caliper adaptor bolts to the proper [Torque Specifications](#).

brake caliper adapter to knuckle bolts: 120Ft/Lbs torque
brake caliper to caliper bolts: 20Ft/Lbs torque

6. Install the dust caps for the caliper mounting bolts.
and tighten brake fluid reservoir lid
7. Install the tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).
Wheel bolt torque 89Ft/Lbs
8. Remove the support and lower the vehicle.
9. Slow drive and press brake pedal to re-position pistons.

TORQUE SPECIFICATIONS

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
ABM mounting screws to the HCU	2	—	17	
Brake Caliper Adapter to Knuckle Bolts - Front	165	122	—	
Brake Caliper Adapter to Knuckle Bolts - Rear	57	42	—	
Brake Caliper to Caliper Adaptor Bolts - Front	27	20	—	
Brake Caliper to Caliper Adaptor Bolts - Rear	35	26	—	
Brake Hose to Brake Caliper - Front	17	13	—	
Brake Hose to Brake Caliper - Rear	17	13	—	
Brake Pedal/Booster Nuts	22	17	—	* New Fastener:
Brake Rotor to Hub Bolt - Front	7	—	61	
Brake Rotor to Hub Bolt - Rear	7	—	61	
Brake Tube to Brake Hose Nuts	17	13	—	
Brake Tube to ICU Nuts	17	13	—	
Brake Tube to Master Cylinder Nuts	17	13	—	
Dust Shield to Knuckle Bolts	7	—	61	
Electric Park Brake (EPB) Actuator to Caliper Bolts	12	9	—	
Electric Vacuum Pump to Cylinder Head Bolts	23	17	—	* New Fastener:.
ICU to Bracket Nuts	8	—	71	
ICU Bracket to Body Bolt	25	18	—	
ICU Bracket to Body Nut	25	18	—	* New Fastener:
Master Cylinder to Brake Booster Nuts	20	13	—	* New Fastener:
Wheel Speed Sensor Head to Knuckle Bolt - Front	7	—	61	
Wheel Speed Sensor Head to Knuckle Bolt - Rear	7	—	61	
Wheel bolt torque		89		