

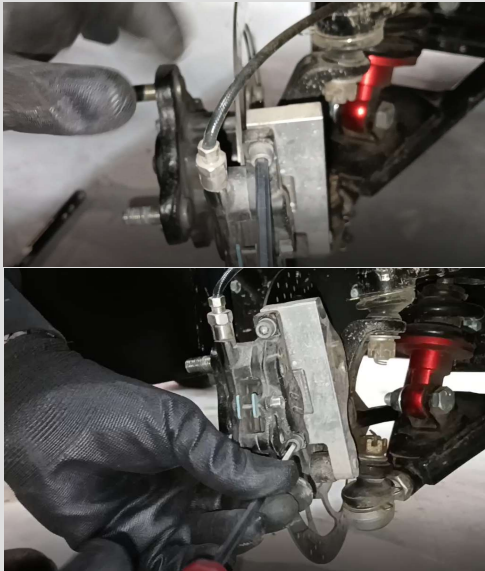
REPAIR SHEET - BRAKE CALIPERS REPLACEMENT

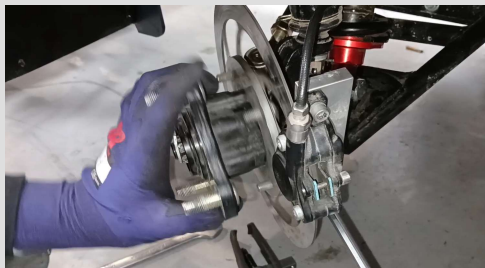
REASON:

OPERATOR	
REGISTRATION	

WORKSHOP		DATE	
TIME	0h 14min	COST	

REQUIRED TOOLS			SAFETY	
☐ Hydraulic jack	☐ Impact driver	☐ 19mm socket	☐ Safety gloves	
☐ Allen key	☐ 12mm open-end wrench	☐ Absorbent paper	☐ Safety glasses	
☐	☐	☐	☐ Safety shoes	
☐	☐	☐	☐	
☐	☐	☐	☐	

TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
1 Hydraulic jack, Impact driver, Ø19mm socket	Vehicle lifting and wheel removal: 1- Raise the vehicle using a suitable hydraulic jack. 2- Loosen and remove the wheel bolts using an impact wrench and a Ø19 mm socket. 3- Remove the wheel.		1
REMARKS			REAL TIME
2 Allen key	Brake caliper removal: 1- Loosen the two brake caliper mounting bolts using an Allen wrench. 2- Remove the brake caliper from its bracket.		1
REMARKS			REAL TIME

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME	
3	12mm open-end wrench	Brake hose removal: 1- Protect the brake caliper by wrapping it with absorbent paper to prevent brake fluid from coming into contact with the brake pads. 2- Loosen the brake hose using a 12 mm open-end wrench. 3- Finish unscrewing the brake hose by hand, taking care not to spill any brake fluid.	  	1	
		REMARKS			REAL TIME
4	12mm open-end wrench	Installing the brake hose on the new brake caliper: 1- Protect the new brake caliper by wrapping it with absorbent paper to prevent brake fluid from coming into contact with the brake pads. 2- Thread the brake hose by hand, taking care not to spill any brake fluid. 3- Tighten the brake hose using a 12 mm open-end wrench.		1	
		REMARKS			REAL TIME
5	Allen key	Installing the new brake caliper: 1- Ensure the brake pads are clean and free from brake fluid contamination. 2- Position the brake caliper on its bracket. 3- Thread the two brake caliper mounting bolts and rotate the hub to check the correct position of the brake caliper. 4- Tighten the two brake caliper bolts using an Allen wrench.	 	1	
		REMARKS			REAL TIME
6		Brake bleeding: 1- After installing the brake caliper, bleed the brake system according to the procedure specified in the brake bleeding sheet.		8	
	REMARKS			REAL TIME	

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
7	Hydraulic jack, Impact driver, Ø19mm socket	Wheel installation and lowering the vehicle: 1- Mount the wheel and tighten the 4 bolts in a crisscross pattern. 2- Lower the vehicle from the hydraulic jack.		1
		REMARKS		
VERY IMPORTANT: If at any point during the procedure brake fluid comes into contact with the brake pads, it is essential to replace them once the bleeding process is complete. Using contaminated pads significantly reduces braking performance and compromises safety.				