

REPAIR SHEET - FRONT BUMPER REPLACEMENT

REASON:

OPERATOR	WORKSHOP	DATE
REGISTRATION	TIME 0h 8min	COST

TOOLS			SAFETY	
☐ 4mm Allen wrench	☐ 13mm open-end wrench	☐ Hydraulic jack	☐ Safety gloves	
☐ Flathead screwdriver	☐	☐	☐ Steel toe-cap shoes	
☐	☐	☐	☐	
☐	☐	☐	☐	

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
1	Hydraulic jack	Vehicle lifting: 1- Lift the vehicle using a hydraulic jack.		1
	REMARKS			REAL TIME
2	Flathead screwdriver	Removal of the lower push rivets: 1- Using a flathead screwdriver, remove the lower push rivets from the bumper.		1
	REMARKS			REAL TIME
3	Allen wrench, 13 mm open-end wrench	Upper bolt removal: 1- Using a 13 mm wrench, hold the nut located beneath the upper mounting bolt. 2- Using an Allen wrench, loosen and remove the bolt. 3- Repeat the procedure for the bolts on the opposite side.		1
	REMARKS			REAL TIME
4		Bumper removal: 1- Carefully remove the bumper.		1
	REMARKS			REAL TIME
5		Bumper installation: 1- Carefully position the new bumper.		1
	REMARKS			REAL TIME

TOOLS		PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME	
REMARKS				REAL TIME	
6	Allen wrench, 13 mm open-end wrench	Upper bolt installation: 1- Place the bolt with its washer and nut at the top of the bumper. 2- Using a 13 mm wrench, hold the nut located beneath the upper mounting bolt and tighten the bolt. 3- Repeat the procedure for the bolts on the opposite side.		1	
		REMARKS		REAL TIME	
7		Lower push rivet installation: 1- Firmly insert the lower push rivets into the bumper by hand.		1	
	REMARKS			REAL TIME	
8	Hydraulic jack	Vehicle lowering: 1- Lower the vehicle from the hydraulic jack.		1	
		REMARKS		REAL TIME	