

REPAIR SHEET - BEAM HARNESS REPLACEMENT

REASON:

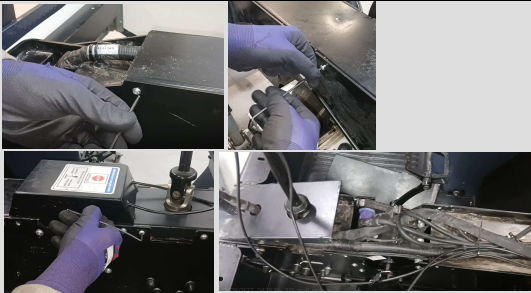
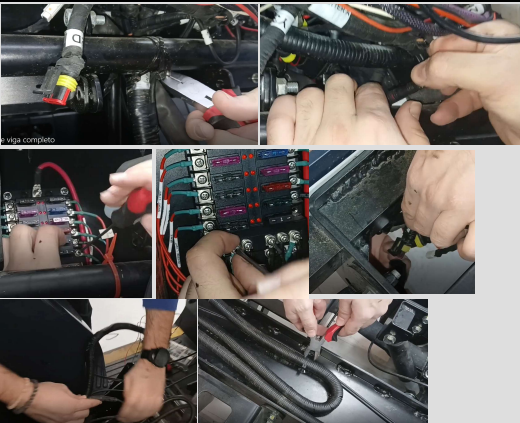
OPERATOR _____
REGISTRATION _____

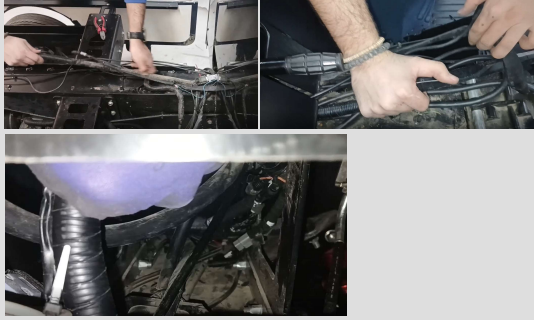
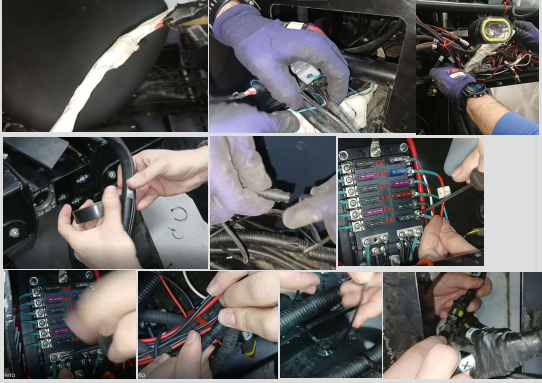
WORKSHOP _____ DATE _____
TIME 1h 18min COST _____

REQUIRED TOOLS

SAFETY

☐ 3mm Allen wrench	☐ Phillips head screwdriver	☐	☐ Steel toe-cap shoes
☐ Cutter	☐ Small plastic zip-ties	☐	☐ Safety gloves
☐ Cutting pliers	☐	☐	☐
☐ Electrical tape	☐	☐	☐
☐ Masking tape	☐	☐	☐

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
1	See operations manual.	Cargo container disassembly. See operations manual: n°30. Cargo container disassembly.		5
	REMARKS			REAL TIME
2	3mm Allen wrench.	Disassembly of the cable covers. 1- Using the 3mm Allen key, unscrew the 4 screws of the rear cable cover. 2- Using the 3mm Allen key, unscrew the 12 screws that hold the two cabin cable covers and the pedal cover.		10
	REMARKS			REAL TIME
3	See operations manual.	Front bodywork disassembly. See operations manual: n°34. Front bodywork replacement.		10
	REMARKS			REAL TIME
4	Cutter, Cutting pliers, Phillips head screwdriver.	Disconnection of the beam cable. 1- Unplug the connectors of the beam cable from the front of the vehicle (under the front bodywork) and the rear connector of the reverse buzzer, as well as the beam cable appendage located in the cable passage area of the pedal assembly. 2- Using a Phillips screwdriver, unscrew the two connectors of the beam cable (Red: Last red cable in the right column of red cables. BLACK: Second cable from left to right in the black cable line at the bottom of the fuse box) from the fuse box. 3- Using cutting pliers, cut the zip ties holding the beam cable. With a cutter, separate the camera cable section 2 (beam) from the beam cable.		8
	REMARKS			REAL TIME

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
5	NA	Beam cable removal. 1- Carefully remove the beam cable by pulling it from the back, taking the cable out through the rear. 2- If you feel resistance when pulling, visually check the path of the beam cable and unjam the cable or connector that is preventing the removal of the beam cable.		5
		REMARKS	REAL TIME	
6	Phillips head screwdriver, Electrical tape, Masking tape, Small plastic zip-ties.	Installation and reconnection of the beam cable. 1- Using masking tape, wrap the front connectors to make it easier to insert the beam cable, preventing it from getting stuck on other cables and/or other connectors. 2- Using electrician's tape, connect the camera cable (section 2; beam) to the beam cable as it was originally, and remove the masking tape. 3- Reconnect all the connectors and screw in the two camera cables (red and black, same position as during the beam cable disconnection stage) with a Phillips screwdriver. 4- Using thin cable ties, secure the cable in the correct position by attaching it to other cables on the underside of the front and to the plastic beam nails that have a hole designed to be passed through by small zip-ties.		15
		REMARKS	REAL TIME	
7	Llave allen de 3mm.	Assembly of the cable covers. 1- Using the 3mm Allen wrench, screw the rear cable cover with the four screws. WARNING: The placement of the cables through the beam cutouts is important. If the alignment of the cover with the beam cutouts and the position of the cables is not respected, it could cut the cables and/or the brake lines resulting in material damage and potential injury and/or death. 2- Position and screw the rear cabin cable cover, the front cabin cable cover, and the pedal passage cover.		10
		REMARKS	REAL TIME	
8	See operations manual.	Front bodywork instalation. See operations manual: n°34. Front bodywork replacement.		10
		REMARKS	REAL TIME	
9	See operations manual.	Cargo container instalation. See operations manual: n°31. Cargo container instalation.		5
		REMARKS	REAL TIME	