

REPAIR SHEET - REDUCTION SHIFTER REPLACEMENT

REASON:

OPERATOR	
REGISTRATION	

WORKSHOP		DATE	
TIME	28min	COST	

REQUIRED TOOLS				SAFETY	
☐	Medium ratchet wrench x2	☐		☐	
☐	13mm open end wrench x2	☐		☐	
☐	medium wrench extension x2	☐		☐	
☐	15mm wrench socket x2	☐		☐	
☐	13mm wrench socket	☐		☐	

	TOOLS	PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
1	Medium ratchet wrench, 13mm wrench socket, 13mm Open-ended wrench.	Seat Removal. 1- Using a medium socket and a 13mm wrench, remove the bolt securing the seat belt, holding the nut with a 13mm wrench. 2- Pull the seat back and, using a medium socket and a 13mm wrench, remove the two front bolts. 3- Pull the seat forward and remove the two rear bolts, then remove the seat.		5
		REMARKS		REAL TIME
2	13mm open ed wrench x2, Medium ratchet wrench x2, Medium wrench extender x2, 15mm Wrench socket x2.	Gearshift Lever Removal. 1- Using the two medium sockets, the two medium socket extensions, and the two 15mm sockets, remove the two bolts that attach the gearshift lever to its bracket. 2- Using the two 13mm wrenches, loosen the two transfer case cable adjustment nuts after marking their position and remove the nut on the lever side. 3- Remove the lever retaining pin and cable, and then remove the lever.		8
		REMARKS		REAL TIME
3	13mm open ed wrench x2, Medium ratchet wrench x2, Medium wrench extender x2, 15mm Wrench socket x2.	Gearshift Lever Installation 1- Insert the cable into the lever, insert the retaining pin, and pass it through with the cotter pin. 2- Tighten the retaining nuts so they align with the marks made in the previous step. 3- Place the gearshift lever in its bracket and, with the help of a second person, pass the two screws through the lever, tighten them with the two nuts, and secure them with the two medium-sized sockets, extensions, and 15mm sockets.		10
		REMARKS		REAL TIME

TOOLS		PROCESS	ASSEMBLY DRAWING	ESTIMATED TIME
4	13mm Open end wrench, 13mm wrench socket, Medium ratchet wrench.	Seat Installation 1- Position the seat and loosely tighten the two rear screws. 2- Slide the seat back, tighten the two front seat screws, and then tighten the front and rear screws. 3- Pass the bolt through the seat belt mounting plate and the seat. Tighten the nut using a 13mm open-end wrench, a medium-sized socket, and a 13mm socket.		5
		REMARKS		
		REAL TIME		