DISASSEMBLING SEQUENCE

TOOLS
Spanner No 13

EXECUTION NOTES
- To facilitate the pump disassembling operations, first disassembly the HYDRAULIC PARTS from the MOTOR PARTS
- unscrew the connections (POS.1)
- warning! The disassembly operations of parts magnetically connected involve great opposed forces: keep the MOTOR PARTS fixed on floor during the removing of the HYDRAULIC PARTS.

WARNING
The interventions must be performed under supervision of qualified personnel.
Before starting remember:
- cut off the power supply from the motor and disconnect the electrical wiring; pull the wires out from the terminal box and isolate their extremities accordingly
- close the suction and discharge valves; open the drain valve
- use appropriate gloves, protective glosses and acid proof-clothing when disconnecting and washing the pump
- disconnect hydraulic connections: leave enough time for the residual liquid to exit the pump casing and atmosferic air to fill the empty volume
- wash the pump before starting maintenace operations
- do not scatter the washing liquid in the environment
- before attempting to dismantle the pump ensure that its motor is disconnected and that it may not be started accidentally
- before the inspection, check that you have spare O-rings ready to hand for re-installing at the end of operations
- warning! Operations near the magnets attract the tools. Proceed with caution to avoid damages.

For further details see paragraph 9.1 “Disassembling”

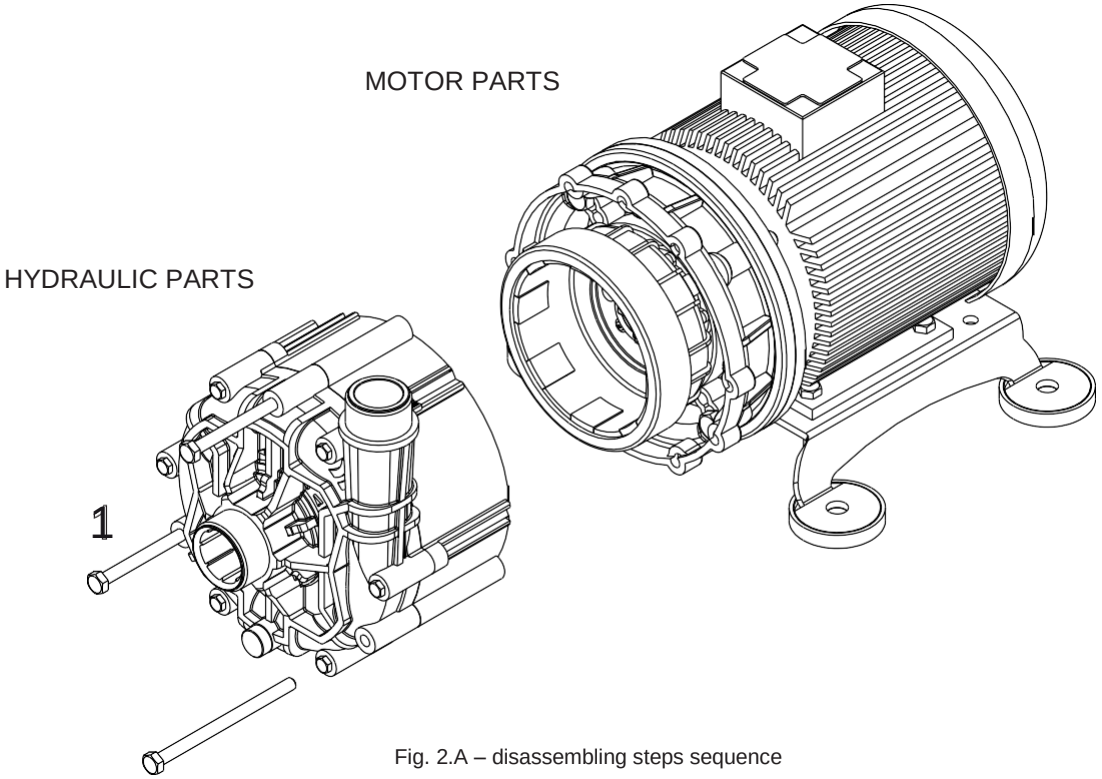

Fig. 2.A – disassembling steps sequence

note	ref	pos.	Part name	Q.ty	Disassembling steps sequence										Spare stock for working years	
					1	2	3	4	5	6	7	8	9	10	2	5
	1	910.1	Connection volute casing/strainer	3	•											

HYDRAULIC PARTS LEGEND

TOOLS

Spanner No 10

EXECUTION NOTES

- disassembly keeping the pump in vertical position (suction on top)
- unscrew the connections (POS.2)

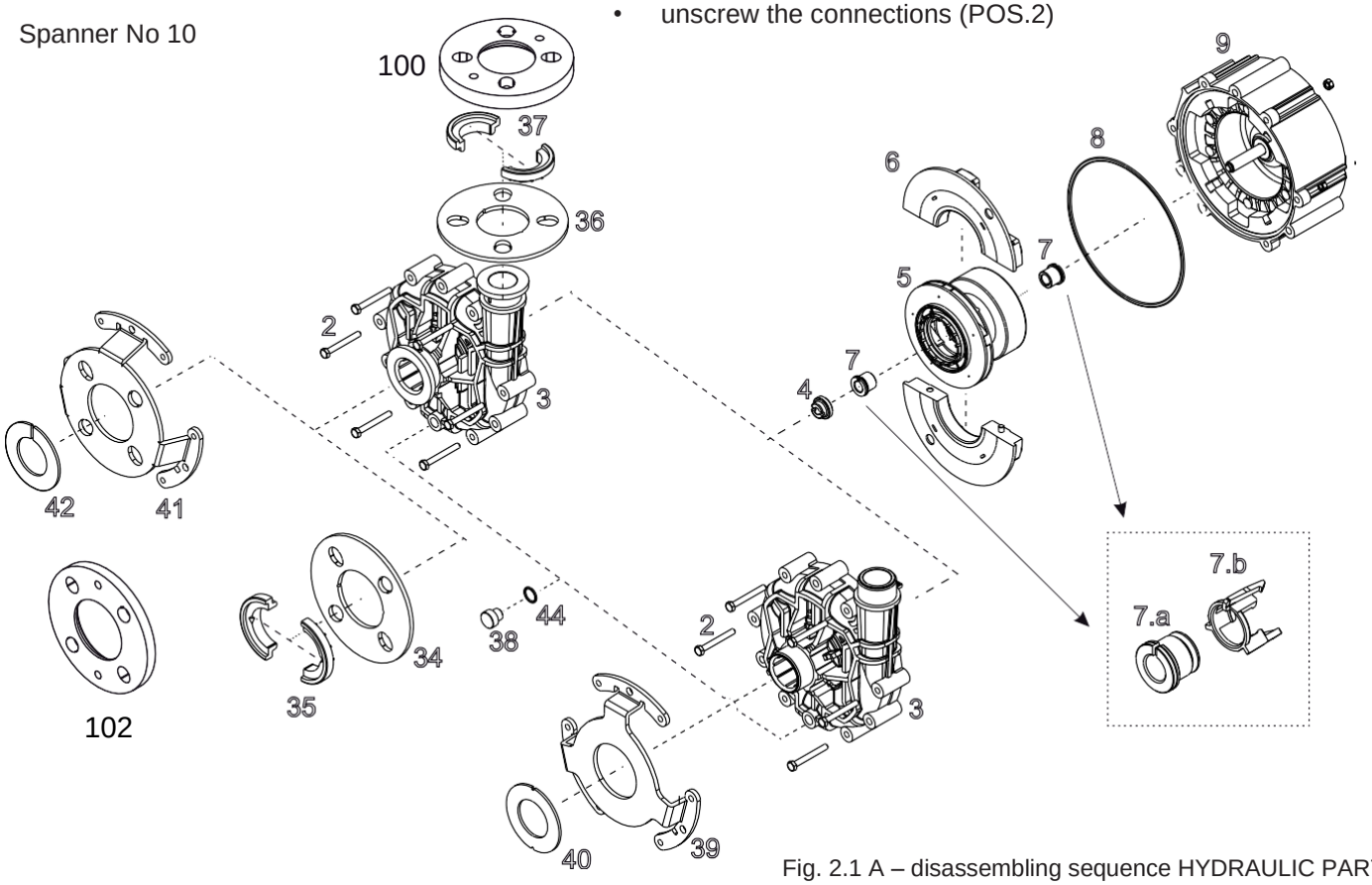

Fig. 2.1 A – disassembling sequence HYDRAULIC PARTS

note	ref	pos.	Part name	Q.ty	Disassembling steps sequence										Spare stock for working years	
					1	2	3	4	5	6	7	8	9	10	2	5
	2	910.2	Connection volute casing/rear casing	6		●										
	3	102	VOLUTE CAGING	1			●									1
	4	331	FRONT THRUST BEARING	1				●							1	2
	5	233	IMPELLER	1					●						1	1
	6	134	CENTER DISC	2					●							
	7	545	GUIDE BUSHING WITH BUSHING FASTENER	2						●					2	4
	7.a	545	GUIDE BUSHING	2												
	7.b	222	BUSHING FASTENER	2												
	8	412	OR VOLUTE CASING	1							●				1	2
	9	162	REAR CASING	1								●				1
	34	722.1	INLET FLANGE	1	●											
	35	727.1	INLET FLANGE-ADAPTOR	2	●											
	36	722.2	OUTLET FLANGE	1	●											
	37	727.2	OUTLET FLANGE-ADAPTOR	2	●											
	38	912	DRAIN PLUG (optional)	1	●											
	39	195.1	ARMOURED (connect. B – N) (optional)	1			●									
	40	922	LOCK NUT (optional)	1		●										
	41	195.2	ARMOURED (connect.Y – Z) (optional)	1			●									
	42	932.1	SEEGER RING (optional)	1		●										
	44	412.1	OR DRAIN PLUG (optional)	1		●										
	100	722.3	OUTLET FLANGE FF	1		●										
	102	722.4	INLET FLANGE FF	1		●										

MOTOR PARTS LEGEND

TOOLS

- Screw driver
- Type Phillipsq
- punch f < 4 mm

NOTE OPERATIVE

- Unscrew the connections (POS.10)
- Remove the collar from the drive magnet assembly using the punch (see paragraph 9.1)

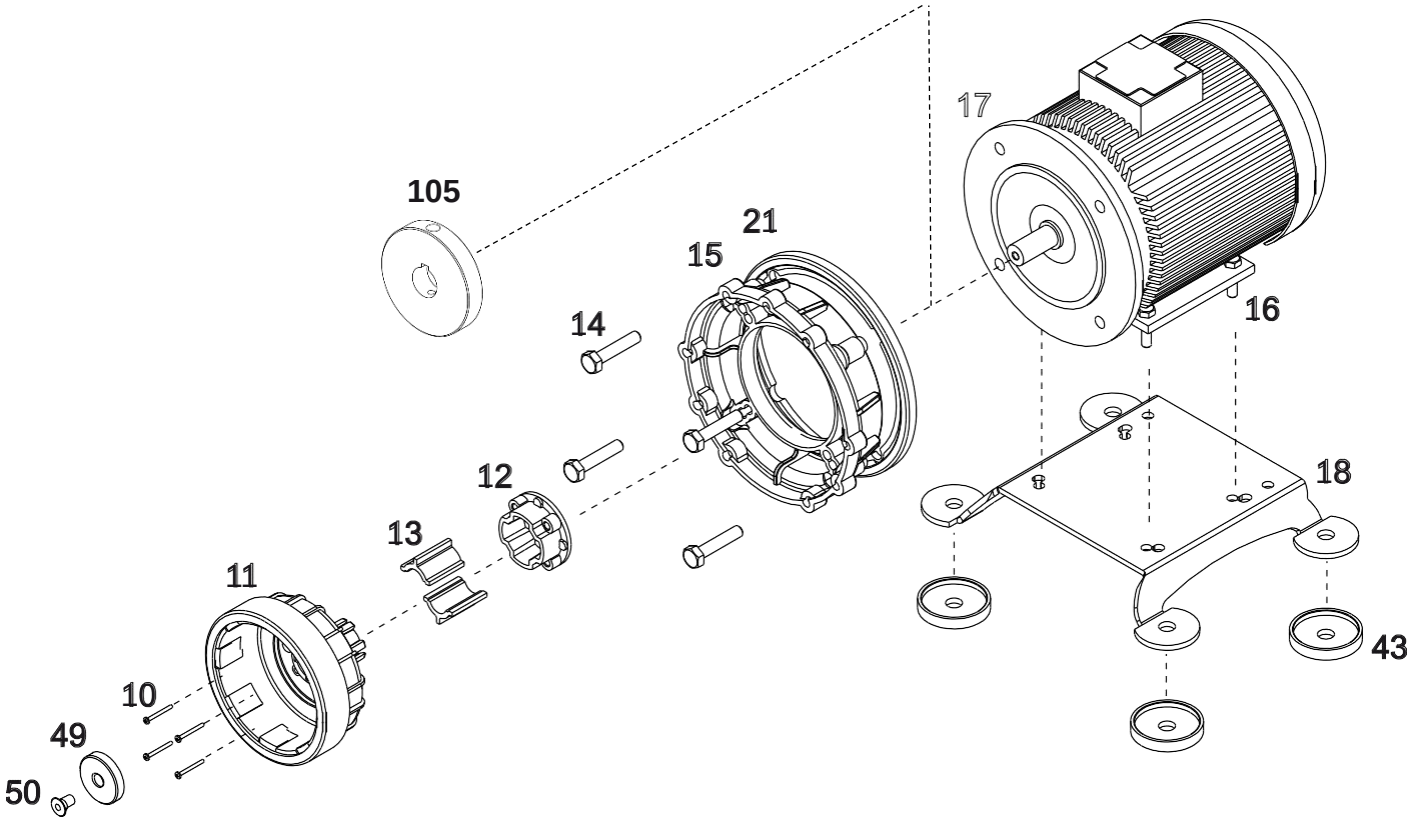

Fig. 2.2 A – disassembling sequence MOTOR PARTS

note	ref	pos.	Part name	Q.ty	Disassembling steps sequence										Spare stock for working years	
					1	2	3	4	5	6	7	8	9	10	2	5
	10	910.3	Connection drive magnet assembly / electric motor	4			●									
	11	855	DRIVE MAGNET ASSEMBLY	1				●								
	12	518	COLLAR (drive magnet assembly)	1					●							1
	13*	523	SOCKET	2												
	14	910.4	Connection strainer / electric motor	4						●						
	15	807	BRACKET	1							●					
	16	910.5	Connection electric motor / baseplate	4								●				
	17	800	ELECTRIC MOTOR	1									●			
	18	890	BASEPLATE (optional)	1										●		
	21	334	PACKING RING	1								●				
	43	185	DISCO BASE (optional)	4												
	49	934	SAFETY WASHER	1		●										
	50	910.6	Connection safety washer / motor shaft	1		●										
	105**		Fly-Wheel	1									●			

(*) with 3-4 kW motor power , the sockets are replaced by a space ring

(**) valid only for 3-4 kW motor power