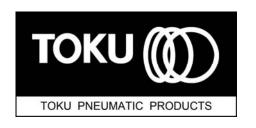
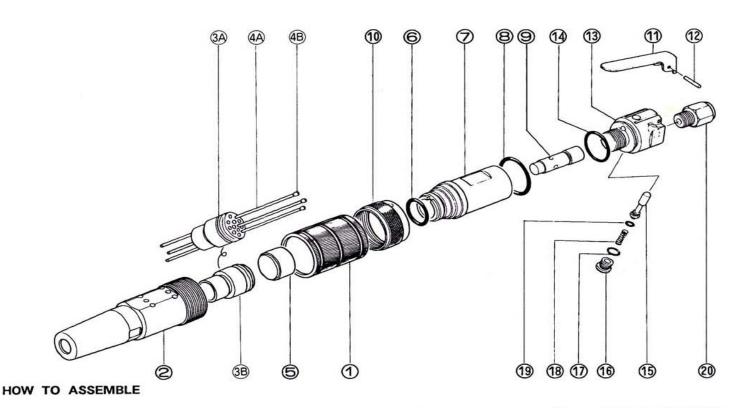


NEEDLE SCALER

MODEL TNS-200



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WHEN ASSEMBLING AND/OR EXCHANGING NEEDLE (4),TAKE OUT THE THROTTLE ANVIL (5) AND NEEDLE SUPPORTER (3) AFTER DISASSEMBLING THE FRONT AND REAR CYLINDER BLOCKS (2) (7) BY LOOSENING THE EXHAUST COVER (1) ON THE LEVER SIDE BY TURNING IT IN THE OPPOSITE DIRECTION OF THE LOCKNUT (10).THEN INSERT THE NEEDLE IN THE SUPPORTER AND ASSEMBLE INTO THE FRONT CYLINDER IN THE OPPOSITE METHOD OF DISASSEMBLY.

ASSEMBLE BY FIRST ATTACHING THE FRONT AND REAR CYLINDERS. SECURELY TIGHTEN THE FRONT CYLINDER (2) WITH A LOCKNUT (10). AT THIS POINT ASSEMBLE THE EXHAUST COVER (1) TO THE LOCKNUT (10) AND TIGHTEN.

FOR OPERATOR SAFETY:

APPROVED SAFETY EYE PROTECTION AND GLOVES ARE REQUIRED: PROTECTIVE CLOTHING IS RECOMMENDED.

Parts List

Symbol No.	Code No.	Q'ty Req.	Description	Symbol No.	Code No.	Q'ty Req.	Description
1	Y30610010	1	Exhaust Cover	11	Y30610110	1	Lever
2	Y30610020	1	Front Cylinder	12	Y30610120	1	Spring Pin 3×24
3A	Y30610030	1	Needle Supporter for 3mm	13	Y30610130	1	Valve Body
3B	Y30610230	1	Needle Supporter for 2mm	14	Y30610140	1	O-Ring P-32
4A	Y30610040	1Set	Needle (12pes.for3mm)	15	Y30610150	1	Throttle Valve
4B	Y30610240	1Set	Needle (29pes.for2mm)	16	Y30610160	1	Valve Cap
5	Y30610050	1	Throttle Anvil	17	Y30610170	1	O-Ring P-10
6	Y30610060	1	O-Ring P-28	18	Y30610180	1	Throttle Valve Spring
7	Y30610070	1	Rear Cylinder	19	Y30610190	1	O-Ring P-5
8	Y30610080	1	O-Ring P-42	20	Y30610200	1	Screw Bushing 1/4×3/8
9	Y30610090	1	Piston	21	Y31122490	1	Hose Stem 1/4×3/8
10	Y30610100	1	Lock Nut	22	Y30610220	1	Spacer