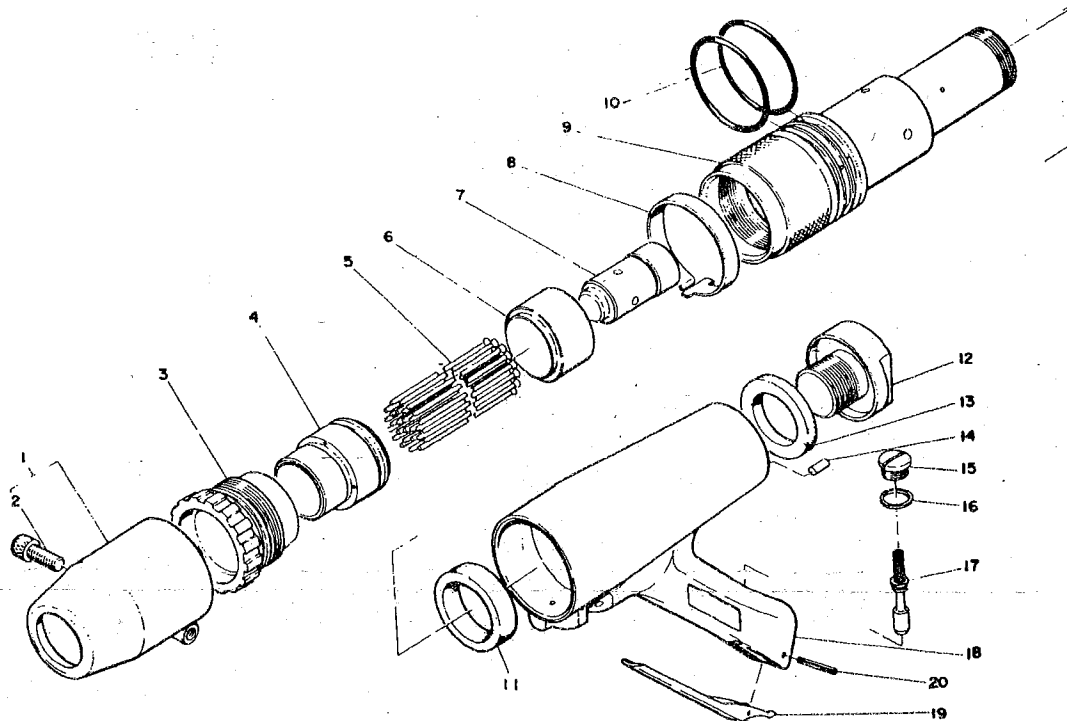


# JSG-3328NS

## Pistol Grip Needle Scaler

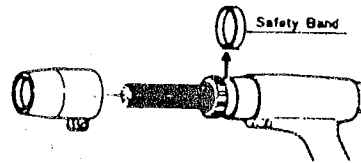


ITEM #	PART #	DESCRIPTION	QTY
1	93A365	NEEDLE GUIDE ASSY	1 SET
2	(00A045)	HEX SCKT HD BOLT 8x25	1
3	01B464	STOP RING	1
4	01A461	NEEDLE SUPRTER 3MM	1
	01A462	NEEDLE SUPRTER 4MM	1
5	00A341	NEEDLE 3x180MM	28
	00A402	NEEDLE 4x180MM	14
6	00A399	THROTTLE ANVIL	1
7	00A395	PISTON	1
8	01A466	SAFETY BAND	1
9	01B463	CYLINDER	1

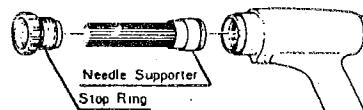
ITEM #	PART #	DESCRIPTION	QTY
10	11A993	O-RING W-4	2
11	01A474	FRONT WASHER	1
12	90A452	REAR BOLT ASSY	1 SET
13	01A475	REAR WASHER	1
14	01A478	CYLINDER LOCK PIN	1
15	00A389	VALVE CAP	1
16	00A388	VALVE PACKING	1
17	90A037	THROTTLE VALVE ASSY	1 SET
18	90C410	HOUSING SUB ASSY	1 SET
19	01A557	THROTTLE LEVER	1
20	01A802	SPRING PIN 3x28	1

#### CHANGING NEEDLES

- 1) LOOSEN THE HEX SOCKET HEAD BOLT (#2) OF THE NEEDLE GUIDE (#1) WITH THE ALLEN WRENCH AND REMOVE THE NEEDLE GUIDE.



- 2) REMOVE THE SAFETY BAND (#8) FROM THE GRIP GROOVE.
- 3) UNSCREW THE STOP RING (#3) AND REMOVE. REMOVE THE NEEDLE SUPPORTER (#4) BY PULLING OUT THE NEEDLES.



- 4) EXTRACT THE NEEDLES. THE NEEDLES MUST BE CHANGED WHENEVER DAMAGE HAS OCCURED DURING OPERATION.
- 5) PLACE NEW NEEDLES INTO NEEDLE SUPPORTER AND ASSEMBLE IN REVERSE MANNER OF DISASSEMBLY.