SI-4150EX / SI-4160

PNEUMATIC TOOLS SHINANO INC.

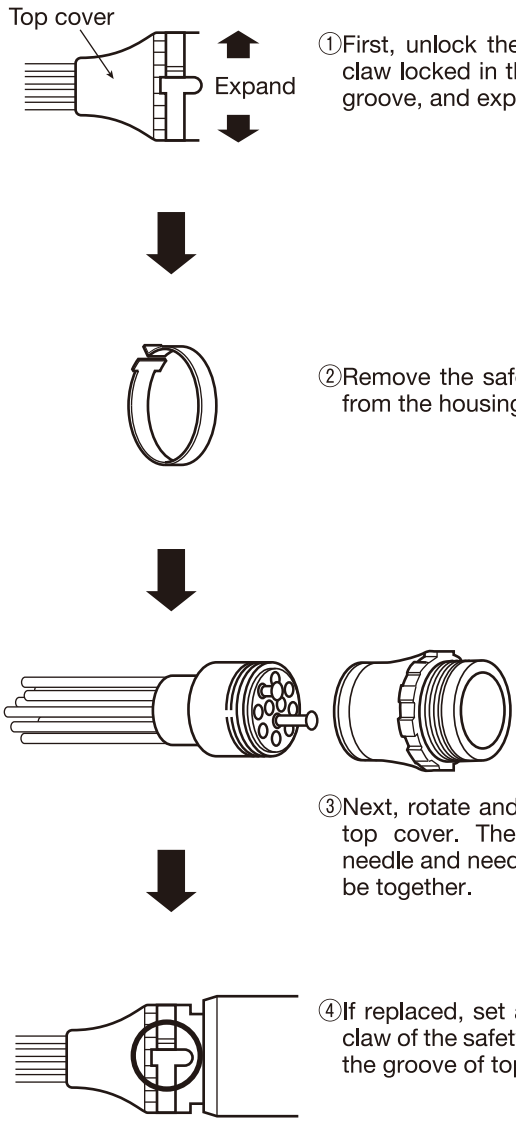
INSTRUCTION MANUAL FOR NEEDLE SCALERS

Operation Procedures

1. Connect the coupler to the air inlet ❶ on the rear side of the tool.
2. Pour approx. 0.5cc (2 to 3 drops) of the oil through the coupler. Connect it to the air hose, and run for 3 to 5 seconds to circulate the oil.
3. Some rebounds will occur during operation. Firmly retain the tool in both hands, slowly pull the throttle lever ❷, and start the operation.
4. Release the throttle lever to stop the operation.

How to replace the needle

■When the tip of the needle is damaged or bent, replace the needle ❸.



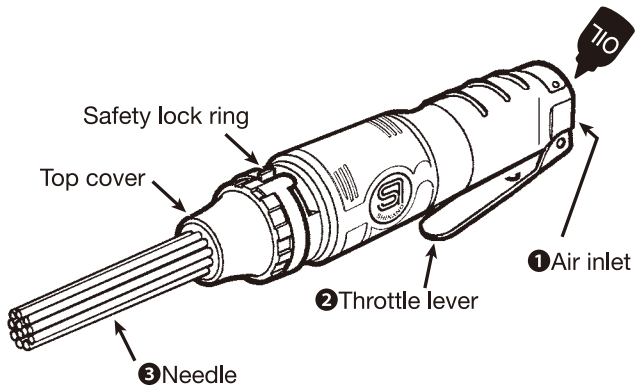
①First, unlock the safety lock claw locked in the top cover groove, and expand it.

②Remove the safety lock ring from the housing.

③Next, rotate and remove the top cover. Then, both the needle and needle cover can be together.

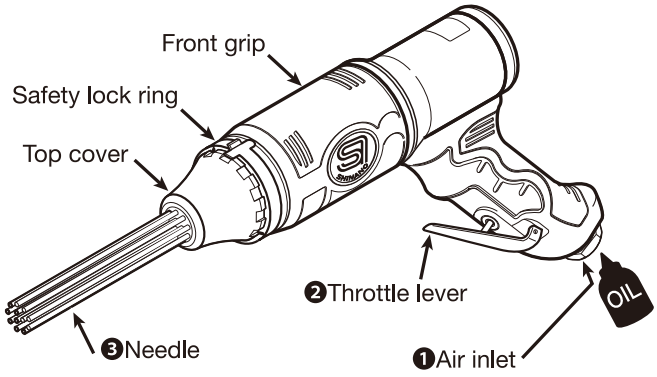
④If replaced, set and lock the claw of the safety lock ring to the groove of top cover.

SI-4150EX



Accessories : ϕ3x180mm Needle (12)
Safety Instructions (1)

SI-4160



Accessories : ϕ3x180mm Needle (12)
Safety Instructions (1)

WARNING For replacement of the needle, be sure to remove the air hose.

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Model Number	Stroke Length mm	Free Blow Speed spm	Weight kg/(lb)	Noise Level dBA/(power)	Vibration m/s^2	Avg.Air Consumption CFM
SI-4150EX	Max 4.5	3,500	2.06/(4.53)	97/(107)	13.0	1.3
SI-4160	Max 4.5	3,300	2.19/(4.83)	95/(108)	14.1	1.4

Noise levels according to ISO 15744 Vibration level to ISO 8662

⚠ WARNING

- Use the needle of our original product.
- Before operation, check if the claw of the safety lock ring is firmly locked in the groove of the top cover.
- Avoid using the tool, exceeding the specification, or forced services exceeding the capability.
- Vibration is inevitable. Therefore, avoid continuous works for long time.
- Wear the safety goggles during operation. In addition, be sure to wear on thee safety mask for the operation, because dust powder occurs.

⚠ CAUTION

- Operate the tool within the air pressure of 0.63MPa (6.5kg/cm^2). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.
- Before or after daily use, lubricate a few drops of air tool oil from the hose attached port.
- The compressed air containing dust or/and moisture will result in damage of tool. Be sure to operate the tool with air through the drainage and air filter.
- Regarding to this product, if inconvenient claims or troubles occurred, contact the product distributor.

AIR SUPPLY

Pressure at the working	**0.63MPa (90PSI 6.3bar)**
Max Hose Length	**10m (30ft)**
Lubrication	**Daily Lubricating oil**

