SI-1161 / SI-1166A / SI-1166-8A

PNEUMATIC TOOLS SHINANO INC.

INSTRUCTION MANUAL FOR SCREW DRIVER

Operation Procedures

1. Attach the 20PM plug to the air inlet of the motor housing.
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. Insert the screwdriver bit into the spindle before connecting the air hose.
4. Before operating, check whether the reverse button or reverse lever is set to right (forward) rotation or left (reverse) rotation.

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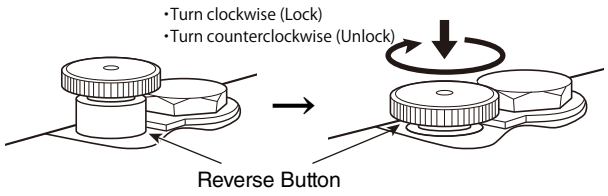

■ Pressing the reverse button switches the tool to left (reverse) rotation.
■ Turning the button clockwise while pressed will lock it in place.
■ To release the lock, turn it counterclockwise.

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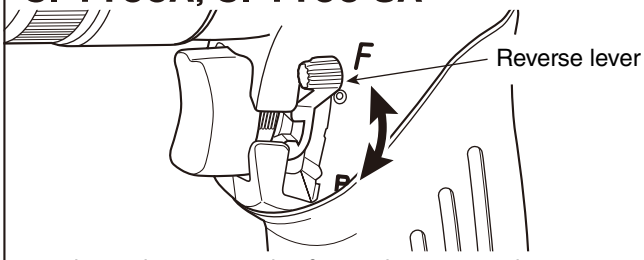

■ The tool is set to right (forward) rotation when the reverse lever is lifted up to the F mark position.

5. Adjust the torque according to the operation.

(※ For the torque adjustment method, please refer to the back page.)

6. After completing the work, inject about 0.5 cc (2 to 3 drops) of the included oil through the coupler idle the tool for 3 to 5 seconds to thoroughly distribute the oil inside, and then store it.

PRECAUTIONS FOR USE

⚠ WARNING

- ◆ Always disconnect the air hose before replacing the screwdriver bit.
- ◆ Insert the screwdriver bit firmly and securely.
- ◆ Never attach any components other than a screwdriver bit.
- ◆ The tool generates a small amount of vibration.

⚠ CAUTION

- ◆ Air tools are precision instruments. Do not throw, drop, or subject the tool to strong impacts, as this may cause a malfunction.
- ◆ Avoid prolonged idling or unnecessary dry running, as this can accelerate wear and lead to malfunctions.
- ◆ Avoid using the tool for anything other than its intended purpose, or forcing it to perform beyond its capacity.
- ◆ After use, ensure that dust and foreign matter do not enter through the air inlet.

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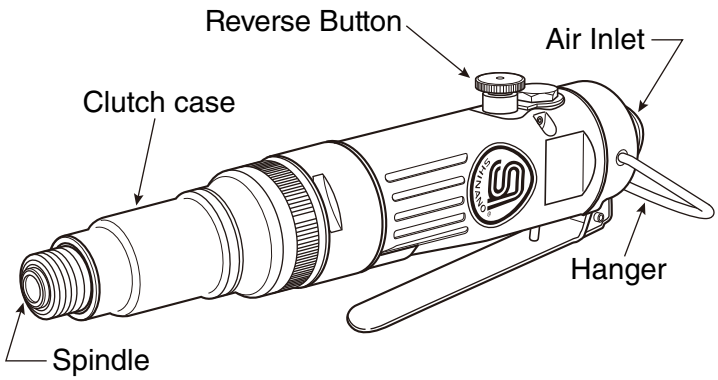

Standard Accessories ● ⊕ Screwdriver bit ● Hanger ● L-shaped hex wrench ● Spanner wrench

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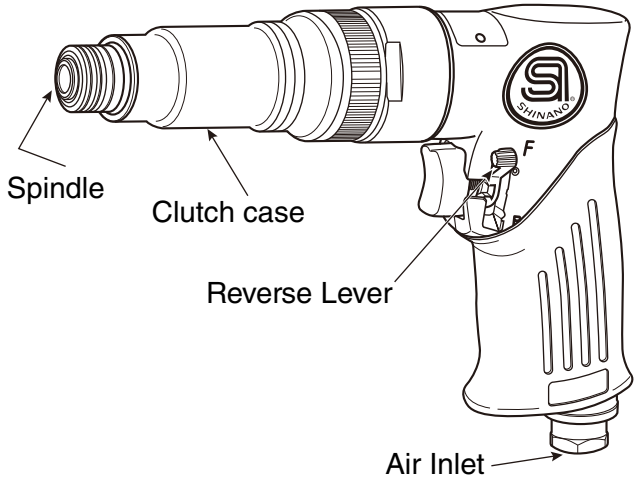

Standard Accessories ● ⊕ Screwdriver bit ● Hanger ● L-shaped hex wrench ● Spanner wrench

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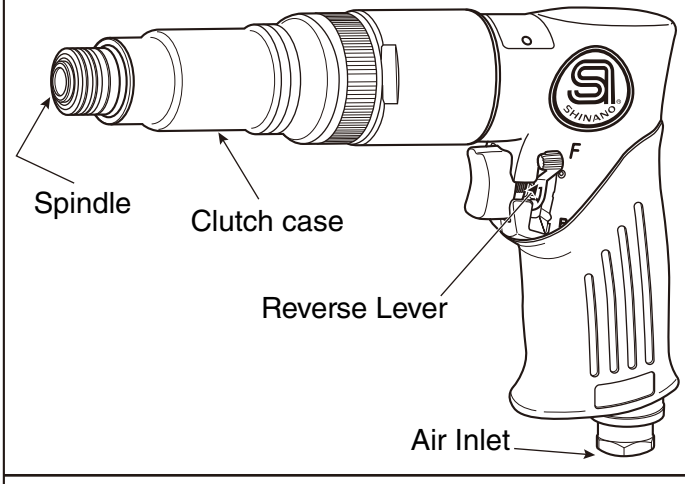


Standard Accessories ● ⊕ Screwdriver bit ● Hanger ● L-shaped hex wrench ● Spanner wrench

How to Adjust Torque

1 Remove the clutch case. (Fig. 1)

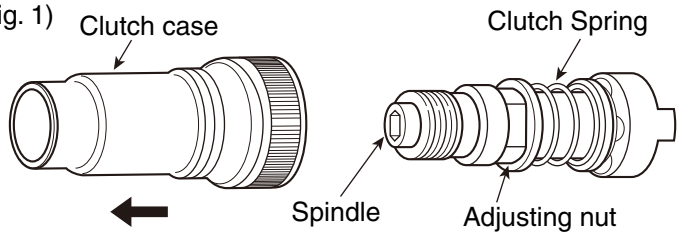
2 Insert the L-shaped allen wrench into the hole at the tip of the spindle. (Fig. 2)

3 With the L-shaped allen wrench still inserted, turn the adjusting nut left or right using a flat wrench to adjust the torque. (Fig. 2)

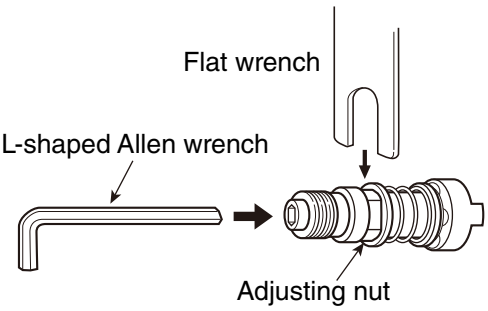
■ **To increase torque:**
Turning the adjusting nut to the right will gradually increase the torque. (Fig. 3)

■ **To decrease torque:**
Turning the adjusting nut to the left will gradually decrease the torque. (Fig. 3)

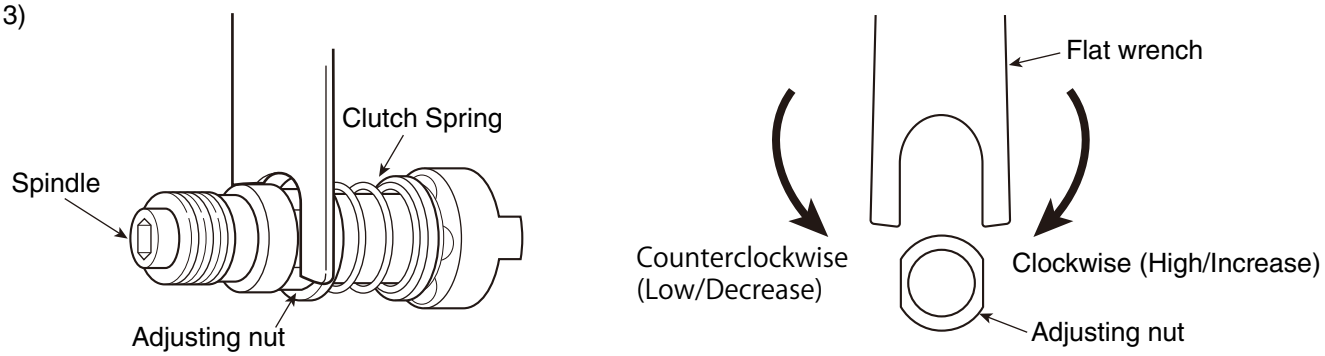
(Fig. 1)



(Fig. 2)



(Fig. 3)



4 After completing the torque adjustment, hand-tighten and install the clutch case.

SPECIFICATIONS

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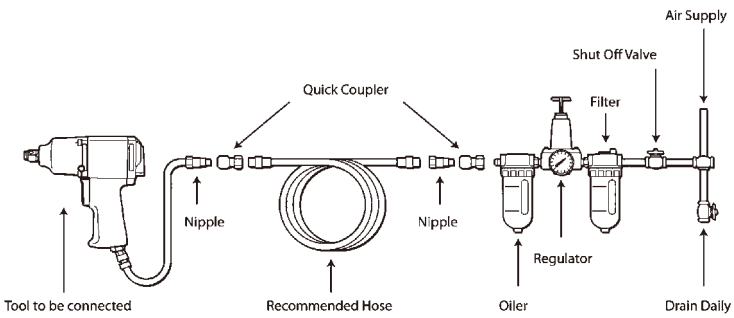
Model Number	Shank Size mm/(in.)	Max. Torque Nm/(ft-lb)	Working Torque Range Nm/(ft-lb)	Bolt Cap mm/(in.)	Free Speed r.p.m	Weight kg/(lb)	Noise Level dBA/(power)	Vibration a/k m/s²	Avg.Air Consumption CFM / (l/s)	Air Inlet Size in.	Hose Size mm/(in.)
SI-1161	6.35/(1/4)	5.0/(3.7)	1.5-5.0/(1.1-3.7)	6/(1/4)	1600	1.12/(2.46)	85/(96)	0.3/0.5	2.8/(1.3)	1/4	10/(3/8)
SI-1166A	6.35/(1/4)	5.0/(3.7)	1.5-5.0/(1.1-3.7)	6/(1/4)	2000	1.18/(2.60)	88/(99)	0.4/0.5	3.5/(1.6)	1/4	10/(3/8)
SI-1166-8A	6.35/(1/4)	9.0/(6.6)	1.5-9.0/(1.1-6.6)	8/(5/16)	800	1.35/(2.97)	91/(102)	1.0/0.6	3.3/(1.6)	1/4	10/(3/8)

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927

AIR SUPPLY

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



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SHINANO INC.
MADE IN JAPAN
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