

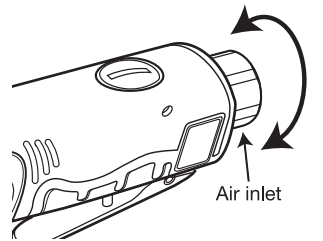
# INSTRUCTION MANUAL FOR AIR RATCHET WRENCHES

## Operation Procedures

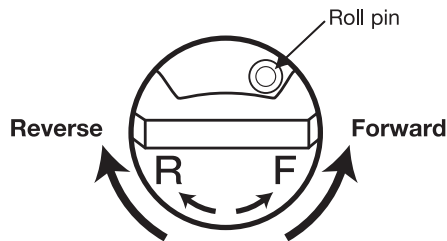
1. Connect the coupler to the air inlet ❶.

**SI-1217EX/1218EX  
SI-1340EX/1345EX Only**

The air inlet rotates in the 360 degree range, so that the air hose can be easily turned.

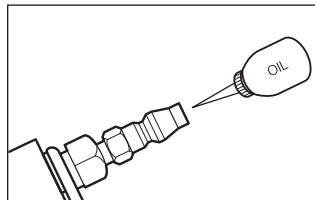


2. Securely insert the impact socket in the ratchet anvil ❷, until a click sounds.
3. Before the air hose is connected thereto, make sure in which direction the reverse lever ❸ is set clockwise (right) or counterclockwise (left), thus turning the impact socket with attached thereto.



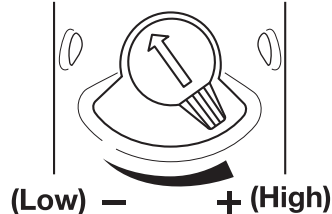
**Mark (F): Clockwise (right) rotation ——— Forward**  
**Mark (R): Counterclockwise (left) rotation ——— Reverse**

4. 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.



5. Prior to start the operation, adjust the torque with the air regulator ❺.

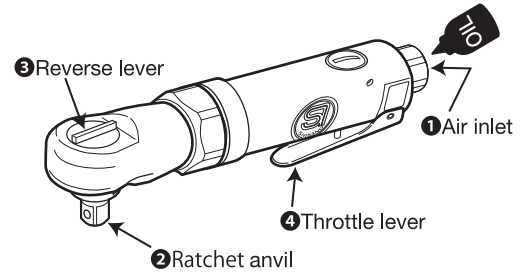
**SI-1340EX/1345EX Only**



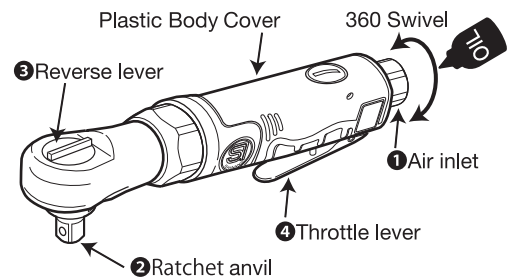
6. Pull the throttle lever ❹ for operation, and release it to stop the operation.
7. The tool contains the ratchet mechanism, Therefore, after the tool is tightened or when loosened, manually do the initial operation similar to the hand tool.



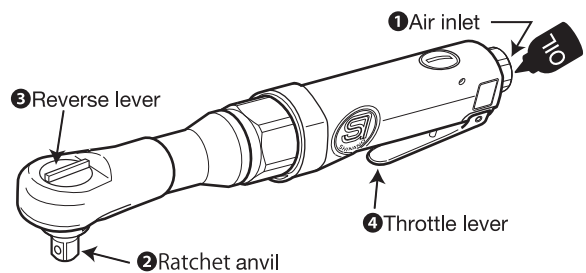
**SI-1200B (1/4")  
SI-1205B (3/8")**



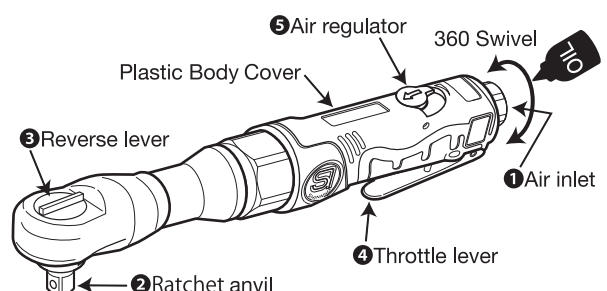
**SI-1217EX (1/4")  
SI-1218EX (3/8")**



**SI-1320A (3/8")  
SI-1325A (1/2")**



**SI-1340EX (3/8")  
SI-1345EX (1/2")**



## SI-1200B / 1205B, SI-1217EX / 1218EX, SI-1320A / 1325A, SI-1340EX / 1345EX

Model Number	Shank Size mm/(in.)	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/s <sup>2</sup>	Avg. Air Consumption CFM	Air Inlet Size in.	Hose Size mm/(in.)
<b>SI-1200B</b>	6.35/(1/4)	0-30/(0-22)	6.35/(1/4)	200	0.51/(1.11)	82/(93)	3.6/0.8	1.6	1/4	10/(3/8)
<b>SI-1205B</b>	9.5/(3/8)	0-30/(0-22)	10/(3/8)	220	0.51/(1.12)	82/(93)	5.7/1.0	1.6	1/4	10/(3/8)
<b>SI-1217EX</b>	6.35/(1/4)	0-36/(0-27)	6.35/(1/4)	300	0.54/(1.18)	84/(95)	4.0/0.9	1.6	1/4	10/(3/8)
<b>SI-1218EX</b>	9.5/(3/8)	0-36/(0-27)	10/(3/8)	300	0.54/(1.20)	88/(99)	4.5/0.9	2.2	1/4	10/(3/8)
<b>SI-1320A</b>	9.5/(3/8)	0-60/(0-44)	12/(1/2)	160	1.16/(2.57)	89/(100)	6.3/1.1	2.7	1/4	10/(3/8)
<b>SI-1325A</b>	12.7/(1/2)	0-70/(0-52)	14/(9/16)	160	1.17/(2.58)	89/(100)	6.3/1.1	2.5	1/4	10/(3/8)
<b>SI-1340EX</b>	9.5/(3/8)	0-85/(0-63)	12/(1/2)	160	1.14/(2.50)	82/(93)	4.2/0.9	2.5	1/4	10/(3/8)
<b>SI-1345EX</b>	12.7/(1/2)	0-90/(0-66)	14/(9/16)	160	1.15/(2.53)	82/(93)	4.1/0.9	2.5	1/4	10/(3/8)

Noise levels according to ISO 15744:2008, ISO 11203:2009 Vibration level according to ISO 28927:2

### **WARNING**

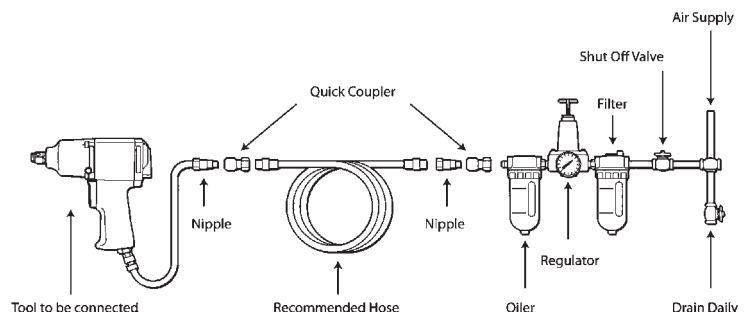
- Avoid using the tool for the other purpose than the usage, and do the impossible operation beyond the ability.
- Be sure to employ the impact socket. Furthermore, neither use the damaged socket nor the different size socket.
- For replacement of impact socket, be sure to dismount the air hose.

### **CAUTION**

- Avoid unnecessary idling run, which will encourage to wear and result in trouble.
- The air tool is a precious tool. Be careful not to throw or drop the tool, or give a strong shock thereto.
- After operations, be sure to prevent dusts from entering at the air inlet. This may result in power down.
- Operate the tool within the air pressure of 0.63MPa (6.5kg/cm<sup>2</sup>). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.

## AIR SUPPLY

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



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