

SCMTTA-038 & SCMTTA-050C Operation and Maintenance Manual

SIDCHROME®

☑ 3/8"

☑ 1/2" Compact



 **WARNING**

Before operating this tool, all operators should study this manual to understand and follow the safety warnings and instructions. Keep these instructions with the tool for future reference. If you have any questions, contact your Sidchrome representative or distributor.



3/8" & 1/2" Compact Air Impact Wrench

IAPT-AIP-3-SD.2011

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INTRODUCTION

The **Sidchrome SCMTTA-038 and SCMTTA-050C** are precision-built tools, designed for high torque assembly and disassembly of threaded fasteners. This tool will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, for best performance the manufacturer's instructions must be followed. Please study this manual before operating the tool and understand the safety warnings and cautions. The instructions on installation, operation and maintenance should be read carefully, and the manuals kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your **Sidchrome** representative or distributor with any questions concerning the tool and its use.

Sidchrome
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Customer Service Phone Number
1800 338 002

SPECIFICATIONS



SPECIFICATIONS

Model #	Square Drive in	Blow Rate bpm	Breakaway Torque ft-lbs / Nm	Noise Level						Vibration Level	
				Pressure dB(A)	Power dB(A)	Pressure dB(C)	Pressure dB(C)	Pressure dB(C)	Pressure dB(C)	m/s ²	m/s ²
SCMTTA-038	3/8	1750	525 / 710	93.8	1.5*	104.8	1.5*	< 130	1.5*	3.06	0.79**
SCMTTA-050C	1/2	1750	590 / 800	93.8	1.5*	104.8	1.5*	< 130	1.5*	3.06	0.79**

Model #	Free Speed rpm	Average Air Consumption cfm / l/min	Working Pressure psi / bar	Weight lbs / kg	Dimensions	
					in	mm
SCMTTA-038	10500	4.4 / 125	90 / 6.2	2.9 / 1.3	5.9 x 2.6 x 7.1	152 x 67 x 181
SCMTTA-050C	10500	4.4 / 125	90 / 6.2	3.0 / 1.4	6.2 x 2.6 x 7.1	157 x 67 x 181

* = measurement uncertainty in dB(A)

** = measurement uncertainty in m/s²



WARNING

IMPORTANT SAFETY INFORMATION ENCLOSED.
READ THIS MANUAL BEFORE OPERATING THE MACHINE.

FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.



Do not use damaged, frayed or deteriorated air hoses and fittings.



Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.



Do not carry the tool by the hose.



Keep body stance balanced and firm. Do not overreach when operating this tool.



Always wear hearing protection when operating this tool.



Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.



Always wear eye protection when operating or performing maintenance on this tool.



Operate at 90 psig (6.2 bar / 620 kPa) Maximum air pressure.

SAFE OPERATION

- Always wear eye protection when operating or performing maintenance on this tool.
- Always wear hearing protection when operating this tool.
- Keep hands, loose clothing and long hair away from rotating end of tool.
- Anticipate and be alert for sudden changes in motion during start up and operation of any power tool.
- Keep body stance balanced and firm. Do not overreach when operating this tool.
- Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.
- Use impact rated accessories recommended by **Sidchrome**
- This tool is not designed for working in explosive atmospheres.
- This tool is not insulated against electric shock.
- Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.

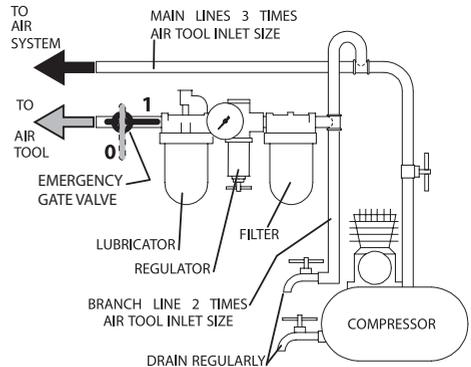
PLACING TOOL IN SERVICE

LUBRICATION



Always use of an air line lubricator with these tool.

Every eight hours' operation, if a lubricator is not used on the compressed air network, inject 1/2 to 1cm³ approved air tool oil through the machine's inlet connection.



GETTING STARTED

- Always operate, inspect and maintain this tool in accordance with all regulations (local, state, federal and country) that may apply to hand-held / hand-operated pneumatic tools.
- For maximum performance, the air coupler on the wall should be the next size larger than the air coupler used on the tool. The coupler closest to the tool should not be smaller than the proper air supply hose size.
- For safety, top performance, and maximum durability of parts, operate this tool at 90 psig (6.2 bar / 620 kPa) maximum air pressure at the inlet with 3/8" (10mm) inside diameter air supply hose. Adequate air supply volume is required for full power. Restrictions in the supply and volume will cause a drop in air pressure when the trigger is pulled resulting in lower power.
- Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.
- Do not use damaged, frayed or deteriorated air hoses and fittings.
- Be sure all hoses and fittings are the correct size and are tightly secured.
- Always use clean, dry air at 90 psig maximum air pressure. Dust, corrosive fumes and/or excessive moisture can ruin the motor of an air tool.
- Inject the tool every 100-200 cycles with 1-3 grams of grease. Applications vary and grease may need applied more in colder climates/conditions and less in hotter climates/conditions. The grease that should be used should be Petroleum or Synthetic, NLGI Grade 2, -4/230°F(-20/110°C). The tool has a 1/8" Flush type grease fitting. If lower performance is observed immediately after adding grease, service is indicated to remove the build-up within the clutch housing.
- Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel.
- Do not remove any labels. Replace any damaged label.
- The use of a hose whip is recommended. A coupler connected directly to the air inlet increases tool bulk and decreases tool maneuverability.
- The regulator has 3 power positions represented by dots on the dial. Position 1 is the lowest and 3 is full power. To set the tool power with the regulator, turn the dial until the power setting represented by 1, 2 or 3 dots is under the lever in the forward position as shown in Figure A. To assure maximum power in reverse, place the power setting in power setting 3. The triangle arrows on the handle represent forward and reverse.
- The Forward / Reverse Lever must be fully engaged in either the forward or reverse position to ensure the tool works with maximum performance. If the Forward / Reverse Lever is positioned in the middle (see example below, bottom left picture) between forward and reverse, the tool will not be as efficient and powerful.

Forward/Reverse Lever

Forward Position

Power Setting

Reverse Position



Figure A

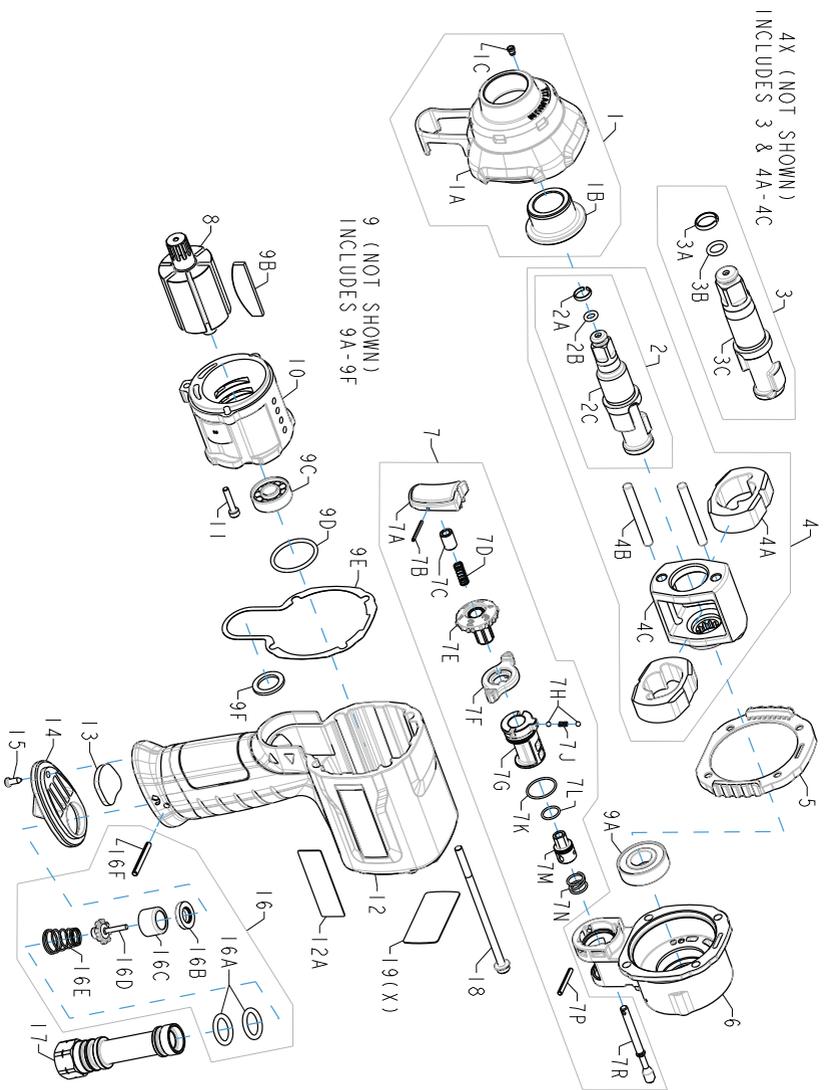
Not Engaged - No Power

Power Setting - 1 (Low)

Power Setting 2

Power Setting 3 (Max)





ITEM #	PART #	DESCRIPTION	QTY	ITEM #	PART #	DESCRIPTION	QTY
	30T100014	SCMTTA-038 -3/8" Impact Wrench	1	12	30H100019	HOUSING w/Grip ASSEMBLY-SIDCHROME	
	30T100013	SCMTTA-050C -1/2" (Compact) Impact Wrench	1		30H200308	HOUSING-MOTOR/HANDLE -SIDCHROME	1
					30H200351	HANDLE GRIP-A-TOP	1
2	30D100020	ANVIL- ASSEMBLY-3/8" STD			30H200354	HANDLE GRIP-B-BASE	1
2C	30D200019	ANVIL- 3/8" STD (TaperLOK)	1	12A	30L200019	LABEL-LOGO- Sidchrome	2
2A	30R200028	RETAINER RING - SOCKET	1				
2B	30R200027	O-RING	1				
				5	30G200101	GASKET (PACKING)-HAMMER CASE	1
3	30D100021	ANVIL- ASSEMBLY -1/2" STD		6	30M100012	FRONT BEARING PLATE-MOTOR	1
3C	30D200020	ANVIL- 1/2" STD (TaperLOK)	1	8	30M200009	ROTOR-MOTOR	1
3A	30R200015	RETAINER RING - SOCKET	1	10	30M200014	CYLINDER-MOTOR	1
3B	30R200014	O-RING	1	11	30R200031	HEX.SOC.HD.BOLT	3
				18	30R200024	HEX.SOC.HD.BOLT	4
1	30H100011	HAMMER CASE ASSEMBLY		13	30Y200379	MUFFLER	1
1A	30H200112	HAMMER CASE (CLUTCH HOUSING)	1	14	30Y200840	EXHAUST DEFLECTOR	1
1B	30R200029	BUSHING	1	15	30R200008	SCREW -SELF TAP	1
1C	30R200017	GREASE FITTING	1	17	30Y200360	AIR INLET	1
				19	30L200022	LABEL-REAR Spec- Sidchrome -SCMTTA-038	1
4	30D100024	IMPACT ASSEMBLY - 3/8" ANVIL		19X	30L200023	LABEL-REAR Spec- Sidchrome -SCMTTA-050C	1
4A	30D200022	HAMMER	2				
2	30D100020	ANVIL ASSEMBLY- 3/8" STD	1	7A	30P100007	TRIGGER	
4C	30D200021	FRAME (CAGE)- HAMMER	1		30Y200375	TRIGGER-A-PAD	1
4B	30D200023	PIN - HAMMER	2		30Y200374	TRIGGER-B-BASE	1
4X	30D100023	IMPACT ASSEMBLY- 1/2" ANVIL		9	30M100110	MOTOR TUNE UP KIT	
4A	30D200022	HAMMER	2	9B	30M200011	BLADE-MOTOR	6
3	30D100021	ANVIL ASSEMBLY- 1/2" STD	1	9A	30R200026	BEARING-FRONT MOTOR	1
4C	30D200021	FRAME (CAGE)- HAMMER	1	9C	30R200025	BEARING-REAR MOTOR	1
4B	30D200023	PIN - HAMMER	2	9E	30G200107	GASKET (PACKING)- MOTOR	1
				9F	30G200114	GASKET (PACKING)- THROTTLE	1
				9D	30R200030	O-RING	1
7	30P100009	THROTTLE ASSEMBLY					
7A	30P100007	TRIGGER (BUTTON)	1				
7B	30R200003	ROLL (SPRING) PIN-TRIGGER	1	16	30P100020	INLET PARTS KIT	
7C	30Y200864	BUSHING-TRIGGER-TIP VALVE	1	16A	30R200018	O-RING- AIR INLET	2
7D	30R200022	SPRING-TRIGGER-TIP VALVE	1	16F	30R200009	ROLL (SPRING) PIN	1
7E	30P100006	REGULATOR-KNOB	1	16B	30Y200861	SEAL-TIP VALVE	1
7F	30Y200830	LEVER-REVERSE	1	16C	30Y200862	BUSHING-TIP VALVE	1
7G	30Y200376	REVERSE VALVE	1	16D	30Y200863	TIP VALVE	1
7H	30R200020	BALL-DETENT	2	16E	30R200023	SPRING-TIP VALVE	1
7J	30R200002	SPRING-DETENT	1				
7K	30R200006	O-RING-VALVE-F/R	1				
7L	30R200005	O-RING-REGULATOR	1				
7M	30Y200371	REGULATOR VALVE	1				
7N	30R200004	SPRING-REGULATOR	1				
7P	30R200021	ROLL (SPRING) PIN	1				
7R	30Y200866	TRIGGER PIN-TIP VALVE	1				

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CUSTOMER SERVICE

We at Sidchrome are committed to our customers, please reference the following phone number for a direct contact to one of our customer technicians. They will be more than happy to help with any service or warranty questions you may have about your power tool.

Sidchrome
82 Taryn Drive
Epping Victoria 3076
Australia

Customer Service Phone Number
1800 338 002

CE DECLARATION OF CONFORMITY

WE, **SIDCHROME**, DECLARE UNDER OUR OWN RESPONSIBILITY THAT THE PRODUCT **SCMTTA-038** 3/8" and **SCMTTA-050C** 1/2" AIR IMPACT WRENCH

- IS IN CONFORMITY WITH THE «MACHINERY» DIRECTIVE 2006/42/EC

- AND IS IN CONFORMITY WITH THE PROVISIONS OF THE HARMONISED EUROPEAN STANDARD

EN 792-6 :2000 +A1:2008

BS EN ISO 12100-1:2003+A1:2009

BS EN ISO 12100-2:2003+A1:2009

EN ISO 15744:2008

EN 14121-1:2007 & EN ISO 8662-7:1997



E.MIN
07.01.2013

SIDCHROME QUALITY MANAGER