

SCMTTA-050

Operation and Maintenance Manual

1/2"



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.



1/2" Air Impact Wrench

30L200171.2013.B

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INTRODUCTION

The **Sidchrome SCMTTA-050** is a precision-built tool, 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
82 Taryn Drive
Epping Victoria 3076
Australia

Customer Service Phone Number
1 800 338 002

⚠ 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.



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.



Keep body stance balanced and firm. Do not over-reach when operating this tool.

SAFE OPERATION

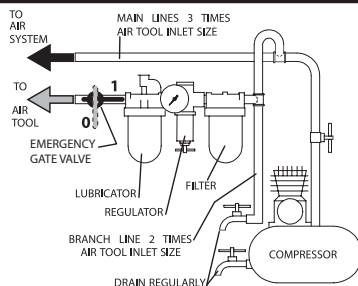
- Always wear ANSI Z87.1 eye protection when operating or performing maintenance on this tool. Everyday eye glasses are not safety glasses
- Always wear hearing protection when operating this tool
- Keep hands, loose clothing and long hair away from rotating end of tool
- Anticipate and be alert for 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
- Do not operate this tool for long periods of time. Vibration caused by tool action 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 only. Inspect accessories before use. Do not use cracked or damaged accessories
- Do not operate this tool in the presence of flammable liquids, gasses, dust, or 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
- 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.
- Do not use damaged, frayed or deteriorated air hoses and fittings
- 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

PLACING TOOL IN SERVICE

LUBRICATION



Always use an air line lubricator with this tool. After every eight hours of operation, if a lubricator is not used on the compressed air network, inject 1/2 to 1 cc of approved air tool oil through the tool's inlet connection.



SPECIFICATIONS



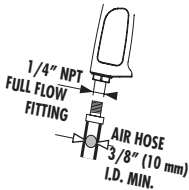
SPECIFICATIONS

Model #	Square Drive	Blow Rate	Breakaway Torque	Noise Level						Vibration Level	
				Pressure dB(A)		Power dB(A)		Pressure dB(C)		m/s ²	
SCMTTA-050	1/2 in	1160 bpm	1260 / 1700 ft-lbs / Nm	97.6	3*	108.6	3*	<130	3*	4.91	0.97**

Model #	Free Speed	Average Air Consumption	Working Pressure	Weight	Dimensions	
					in / mm	
SCMTTA-050	7225 rpm	5.1 / 144 cfm / l/min	90 / 6.2 psi / bar	4.6 / 2.1 lbs / kg	7.2 x 3.1 x 7.5 / 182 x 78 x 191	

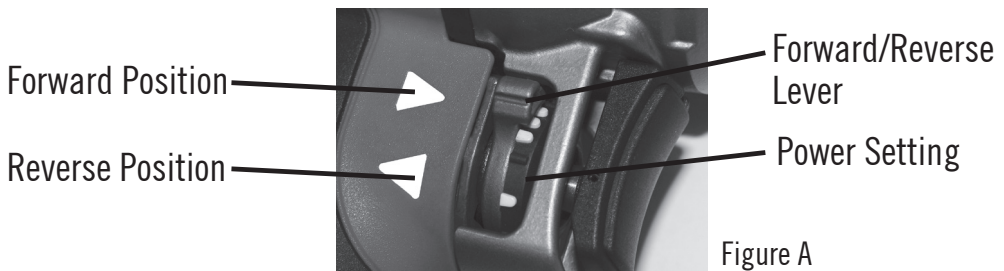
* = measurement uncertainty in dB(A)

** = measurement uncertainty in m/s²



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
- 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
- The use of a hose whip is recommended. A coupler connected directly to the air inlet increases tool bulk and decreases tool maneuverability
- For maximum performance, the coupler on the wall should be the next size larger than the coupler used on the tool. The coupler closest to the tool should not be less than the proper air supply hose size
- Inject the tool every 100-200 cycles with 3-5 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, -4/2300 F(-20/1100 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.
- 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



Not Engaged - No Power



Power Setting - 1 (Low)

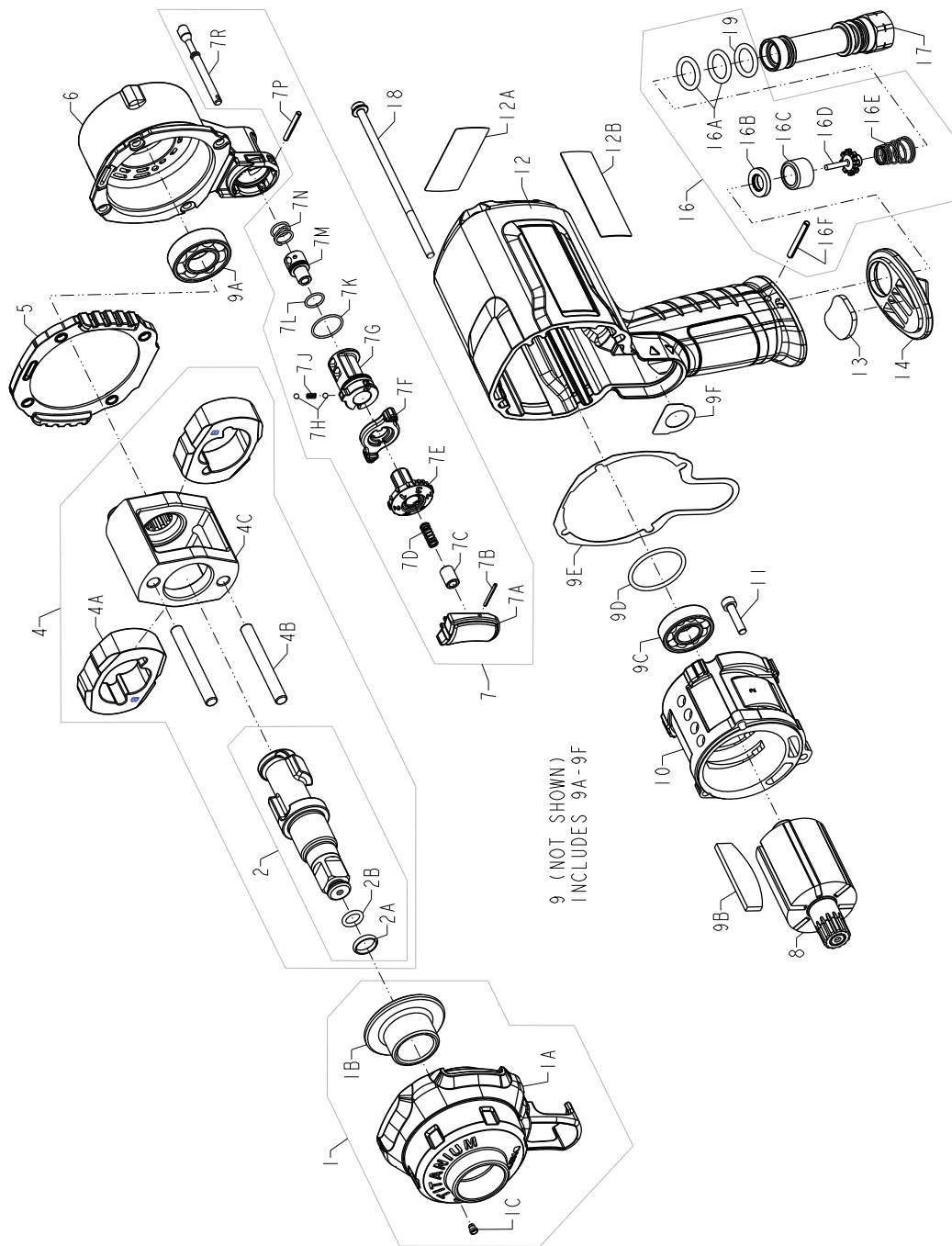


Power Setting 2



Power Setting 3 (Max)





ITEM #	PART #	DESCRIPTION	QTY
	30T100012	SCMTTA-050 - 1/2" Air Impact Wrench	
2	30D100000	ANVIL- ASSEMBLY-STD	
2A	30R200015	RETAINER RING - SOCKET	1
2B	30R200014	O-RING	1
2C		ANVIL-STD (TaperLOK)	1
1	30H100010	HAMMER CASE ASSEMBLY	
1A		HAMMER CASE (CLUTCH HOUSING)	1
1B		BUSHING	1
1C		GREASE FITTING	1
4	30D100002	IMPACT ASSEMBLY - STD	
2		ANVIL ASSEMBLY-STD	1
4A	30D200002	HAMMER	2
4B	30D200003	PIN - HAMMER	2
4C	30D200001	FRAME (CAGE)- HAMMER	1
7A	30P100007	TRIGGER (BUTTON)	
		TRIGGER-A-PAD	1
		TRIGGER-B-BASE	1
7	30P100009	THROTTLE ASSEMBLY	
7A		TRIGGER (BUTTON)	1
7B		ROLL (SPRING) PIN-TRIGGER	1
7C		BUSHING-TRIGGER-TIP VALVE	1
7D		SPRING-TRIGGER-TIP VALVE	1
7E		REGULATOR-KNOB	1
7F		LEVER-REVERSE	1
7G		REVERSE VALVE	1
7H		BALL-DETENT	2
7J		SPRING-DETENT	1
7K		O-RING-VALVE-F/R	1
7L		O-RING-REGULATOR	1
7M		REGULATOR VALVE	1
7N		SPRING-REGULATOR	1
7P		ROLL (SPRING) PIN	1
7R		TRIGGER PIN-TIP VALVE	1

ITEM #	PART #	DESCRIPTION	QTY
12	30H100017	HOUSING w/Grip ASSEMBLY-SIDCHROME	
		HOUSING-MOTOR/HANDLE-SIDCHROME	1
		HANDLE GRIP-A-TOP	1
		HANDLE GRIP-B-BASE	1
12A		LABEL-REAR Spec - SCMTTA-050	1
12B	30L200020	LABEL-LOGO-Sidchrome-1/2"	1
9	30M100100	MOTOR TUNE UP KIT	
9A	30R200011	BEARING-FRONT MOTOR	1
9B	30M200004	BLADE-MOTOR	6
9C	30R200010	BEARING-REAR MOTOR	1
9D	30R200012	O-RING	1
9E	30G200106	GASKET (PACKING)- MOTOR	1
9F	30G200113	GASKET (PACKING)- THROTTLE	1
16	30P100020-01	INLET PARTS KIT	1
16A		O-RING - AIR INLET	2
16B		SEAL-TIP VALVE	1
16C		BUSHING-TIP VALVE	1
16D		TIP VALVE	1
16E		SPRING-TIP VALVE	1
16F		ROLL (SPRING) PIN	1
19		O-RING - EXHAUST DEFLECTOR	1
5	30G200100	GASKET (PACKING) -HAMMER CASE	1
6	30M100011	FRONT BEARING PLATE-MOTOR	1
8	30M200003	ROTOR-MOTOR	1
10	30M200001	CYLINDER-MOTOR	1
11	30R200013	HEX.SOC.HD.BOLT	3
13	30Y200379	MUFFLER	1
14	30Y200840-01	EXHAUST DEFLECTOR	1
17	30Y200360-01	AIR INLET	1
18	30R200019	HEX.SOC.HD.BOLT	4

SCMTTA-050

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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

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1 800 338 002

CE DECLARATION OF CONFORMITY

WE, **SIDCHROME, 82 TARYN DRIVE, EPPING VICTORIA 3076, AUSTRALIA**, DECLARE UNDER OUR OWN RESPONSIBILITY THAT THE PRODUCT **SCMTTA-050 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

ISO 12100:2010

ISO 11148-6:2012

ISO 15744:2008

ISO 28927-2:2009



A handwritten signature in black ink, appearing to read 'Eric Min', is written over a horizontal line.

Eric Min
QUALITY MANAGER
09.06.2013