

SCMTSA-34SHD

Operation and Maintenance Manual



understand these safety warnings and instructions before using the tool. Keep these instructions with the tool for future reference. If you have any questions, contact your **SIDCHROME** representative or distributor.



TABLE OF CONTENTS

Introduction	2
Safety Instructions	3
Specifications	4
Getting Started	5
Tool Components	6
Contact Information	8

INTRODUCTION

The SidchromeTM SCMTSA-34SHD is a precision-built tool, designed for professionals 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 instructions. The instructions on installation, operation and maintenance should be read carefully, and the manual 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

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↑ 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.



Always wear hearing protection 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.



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 carry the tool by the hose.



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



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



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

GENERAL SAFETY INSTRUCTIONS

↑ WARNING

- 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 1/2" (13mm) inside diameter air supply hose
- 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



SPECIFICATIONS

Aluminum 2-pc Construction



			SF	PECIFI	CATIO	ONS					
Model #	Square Drive	Blow Rate	Breakaway Torque			Noise	Level				ation vel
	in	bpm	ft-lbs / Nm	Pressur	e dB(A)	Power	dB(A)	Pressur	e dB(C)	m	n/s²
SCMTSA-34SHD	3/4	790	1770 / 2400	98.4	3*	109.4	3*	99.0	3*	9.1	1.61**

Model#	Free Speed	Average Air Consumption	Working Pressure	Weight	Dimensions
	rpm	cfm / I/min	psi / bar	lbs / kg	in / mm
SCMTSA-34SHD	5500	6.8 / 193	90 / 6.2	13.4 / 6.1	8.7 x 3.7 x 9.2 / 220 x 93 x 233

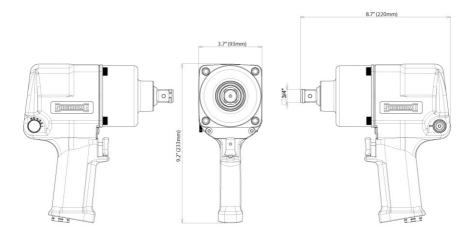
^{* =} measurement uncertainty in dB(A)



^{** =} 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



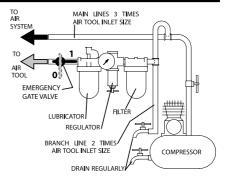
PLACING TOOL IN SERVICE



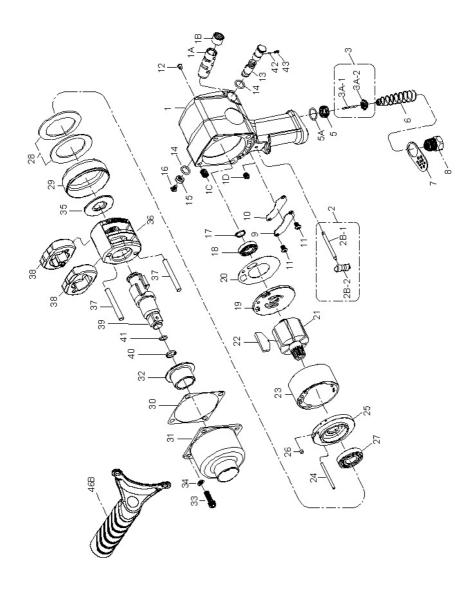


Always use an air line lubricator with this tool. After every eight hours of operation, if a lubricator is not used on the compressed air network, inject 1/2 to 1 cc of approved air tool oil through the tool's inlet connection. Recommended air tool oil available from Sidchrome SCMTSATO-250.

After every forty-eight hours of operation, or as experience indicates, inject about 4 cc of approved pneumatic grease into the grease fitting.







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	THROTTLE VALVE SEAT EXHAUST DEFLECTOR HOUSING PLATE GASKET SCREW REVERSE VALVE ROTOR CYLINDER CYLI
	AIR INLET HOUSING PLATE GASKET SCREW REVERSE VALVE REVERSE VALVE REVERSE VALVE ROTOR CYLINDER CYLINDER MOTOR CLAMP WASHER SCREMP MOTOR CLAMP WASHER
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	CYLINDER DOWEL PIN MOTOR CLAMP WASHER SEPARATOR
	PIN MOTOR CLAMP WASHER SEPARATOR
	MOTOR CLAMP WASHER SEPARATOR
	SEPARATOR
	9 WASHER 1
	O-RING 1
	SPRING 1
	O-RING 2
	RETAINER 1
	BALL BEARING 1
	GASKET 1
	ROTOR BLADE 6
	BALL BEARING 1
	GASKET 1
	SOCKET RETAINER 1
	O-RING 1
	STEEL BALL 1
	SPRING 1
	9 OPTIONAL - HANDLE

SCMTSA-345HD 3/4" Square Drive Impact Wrench	ITEM#	PART #	DESCRIPTION	QTY
31D100016		SCMTSA-34SHD	3/4" Square Drive Impact Wrench	r
31D100016 ANVIL ASSEMBLY 31D200031 ANVIL 31D200151 SOCKET RETAINER 31H100013 CASKET HAMMER CASE BUSHING SCREW STRING WASHER HAMMER PIN HELL-COIL SET SCREW HELL-COIL SET SCREW HELL-COIL STRIGGER ASSEMBLY HELCOIL STRIGGER ASSEMBLY HELL-COIL STRIGGER PIN TRIGGER PIN TRIGGER PIN THROTTLE VALVE PIN T				
31D200031 ANVIL 31R200151 SOCKET RETAINER 31R200152 O-RING 31H100013 HAMMER CASE ASSEMBLY ANVIL ASSEM	Α	310001016	ANVIL ASSEMBLY	1
31R200151 SOCKET RETAINER 31R200152 O-RING 31H100013 HAMMER CASE ASSEMBLY GASKET HAMMER CASE BUSHING BUSHING WASHER SPRING WASHER SPRING WASHER HAMMER FRAME HAMMER PIN HAMMER PIN HAMMER PIN HAMMER PIN HAMMER PIN HAMMER PIN HAMMER 31D100016 ANVIL ASSEMBLY REVERSE VALVE BUSHING GEAR HEL-COIL SET SCREW SET	39	31D200031	ANVIL	1
31R200152 O-RING	40	31R200151	SOCKET RETAINER	1
31H100013	41	31R200152	O-RING	1
31H100013				
GASKET	В	31H100013	HAMMER CASE ASSEMBLY	1
HAMMER CASE	30		GASKET	1
BUSHING	31		HAMMER CASE	1
SPRING WASHER	32		BUSHING	1
SPRING WASHER	33		SCREW	4
31D100017 IMPACT ASSEMBLY	34		SPRING WASHER	4
31D100017 IMPACT ASSEMBLY				
HAMMER FRAME	С	31D100017		1
HAMMER PIN	36		HAMMER FRAME	1
HAMMER 31D100016 ANVIL ASSEMBLY 31H100028	37		HAMMER PIN	2
31D100016 ANVIL ASSEMBLY	38		HAMMER	7
31H100028	Α	31D100016	ANVIL ASSEMBLY	1
31H100028				
REVERSE VALVE BUSHING	1	31H100028	HOUSING ASSEMBLY	1
REVERSE VALVE BUSHING GEAR	1A		REVERSE VALVE BUSHING	1
HELL-COIL SET SCREW GREASE FITTING 31P100009 TRIGGER ASSEMBLY TRIGGER PIN TRIGGER PIN	18		BUSHING	1
SET SCREW	10		HELI-COIL	4
GREASE FITTING	1D		SET SCREW	1
31P100009	12		GREASE FITTING	2
31P100009				
TRIGGER PIN TRIGGER TRIGGER TRIGGER TRIGGER THROTTLE VALVE T	2	31P100009	TRIGGER ASSEMBLY	1
TRIGGER TRIGGER 31P100010 THROTTLE VALVE ASSEMBLY THROTTLE VALVE PIN THROTTLE VAL	2B-1		TRIGGER PIN	1
31P100010 THROTTLE VALVE ASSEMBLY	2B-2		TRIGGER	1
31P100010 THROTTLE VALVE ASSEMBLY				
THROTTLE VALVE PIN	3	31P100010	THROTTLE VALVE ASSEMBLY	1
THROTTLE VALVE	3A-1		THROTTLE VALVE PIN	1
31M100012 REAR END PLATE ASSEMBLY	3A-2		THROTTLE VALVE	1
31M100012 REAR END PLATE ASSEMBLY BALL BEARING 31M100013 FRONT END PLATE ASSEMBLY BALL BEARING				
BALL BEARING 31M100013 FRONT END PLATE ASSEMBLY BALL BEARING	19	31M100012		1
31M100013 FRONT END PLATE ASSEMBLY BALL BEARING	18		BALL BEARING	1
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BALL BEARING	52	CTOOOTINITC	FROM END PLATE ASSEMBLY	7
	77		BALL BEAKING	Ţ

SCMTSA-34SHD

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