

# J138RSH and J150RSH

**Operation and Maintenance Manual □** 3/8" J138RSH **□** 1/2" J150RSH





To reduce the risk of injury, read and 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 **PROTO®** representative or distributor.

3/8" Drive Sealed Head Ratchet 1/2" Drive Sealed Head Ratchet

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### INTRODUCTION

The PROTO® J138RSH and J150RSH are precision-built tools, designed for professionals, for torque assembly and disassembly of threaded fasteners. These tools 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 manuals kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your PROTO® Distributor with any questions concerning the tool and its use.

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### WARRANTY

We warrant that this tool shall be free from manufacturing defects for a period of ONE YEAR from the original purchase date. Our obligation to the original purchaser shall be limited to repairing or replacing, at our expense (not including shipping charges) a defective tool if returned by the original purchaser within two years from the date of purchase, all incoming shipping charges prepaid. THIS WARRANTY DOES NOT COVER DEFECTS OR DAMAGES TO THE TOOL (i) after the warranty period expires; (ii) resulting from misuse or abnormal operation; (iii) resulting from a failure to properly lubricate, maintain or operate the tool; or (iv) resulting from any repair or maintenance services performed by any party other than PROTO® at all DeWALT Service Centers or a person authorized by PROTO® to provide repair and maintenance services for this tool.



# IMPORTANT SAFETY INFORMATION ENCLOSED. READ THIS MANUAL REFORE 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.
- **1** 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.
- **Neep 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 rated accessories recommended by PROTO® 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.
- 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.
- 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.
- **D**o 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.
- **D**o not remove any labels. Replace any damaged label.



			SPE	CIFIC	IOITA	NS				
Model #	Square Drive	Torque			Noise	Level				ration evel
	in	ft-lbs / Nm	Pressur	e dB(A)	Power	dB(A)	Pressui	re dB(C)	m/s²	
J138RSH	3/8	65 / 88	89.3	3*	100.3	3*	<130	3*	5.57	1.04**
J150RSH	1/2	65 / 88	89.3	3*	100.3	3*	<130	3*	5.57	1.04**

Model #	Free Speed	Average Air Consumption	Working Pressure	Weight	Dimensions
	rpm	cfm / I/min	psi / bar	lbs / kg	in / mm
J138RSH	350	3.7 / 105	90 / 6.2	2.9 / 1.3	12.4 x 2 x 2.2 / 314 x 52 x 56
J150RSH	350	3.7 / 105	90 / 6.2	2.9 / 1.3	12.4 x 2 x 2.2 / 314 x 52 x 56

<sup>\* =</sup> measurement uncertainty in dB(A)



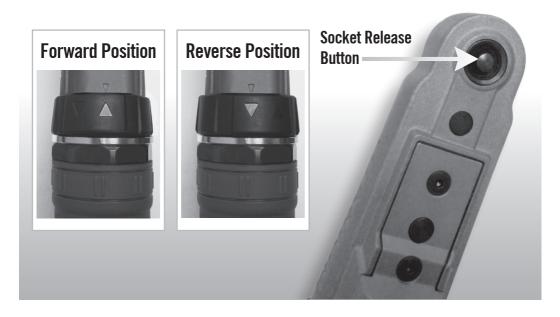
Use Hi-Flow air fittings and couplers for maximum tool performance

<sup>\*\* =</sup> 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.

### **OPERATING FEATURES**

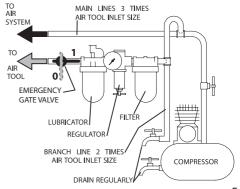


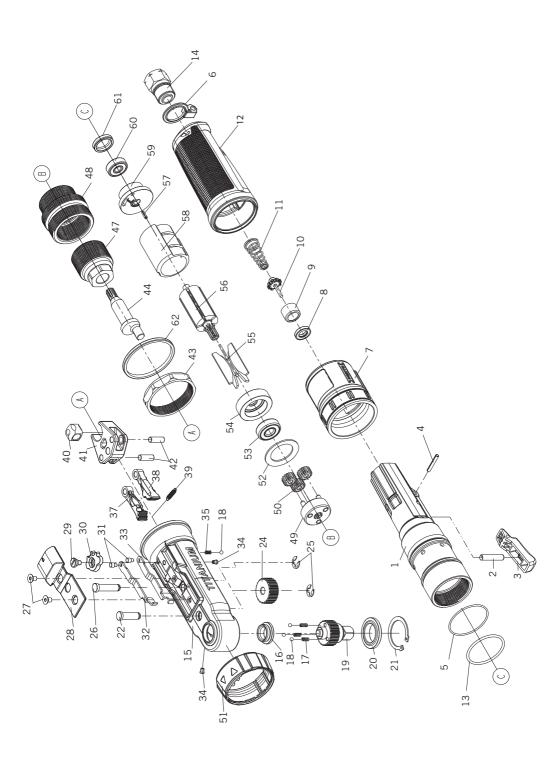
### PLACING TOOL IN SERVICE





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 1cm<sup>3</sup> of approved air tool oil through the machine's inlet connection.





# All parts available through www.servicenet.protoindustrial.com

ITEM #	PART#	DESCRIPTION	YTO	ITEM #	PART#	DESCRIPTION	VTO
	1138RSH	3/8" Ratchet Wrench		29	307201054	REVERSE VALVE BOLT	-
			I	30	30Y201055	REVERSE VALVE	1
	J150RSH	1/2" Ratchet Wrench		31	30Y201056	ADJUSTING ROD PINS	2
				32	30Y201057	RIGHT ADJUSTING ROD	1
1	30H200451	MOTOR HOUSING	1	33	30Y201058	LEFT ADJUSTING ROD	1
2	30Y201045	VALVE PIN	1	34	30R200017	GREASE FITTING	2
3	30H200394	THROTTLE LEVER	1	35	30R200314	SPRING	1
4	30R200302	SPRING PIN	1	37	30G200149	RIGHT RATCHET PAWL	1
7	30H200390-02	30H200390-02 HOUSING EXHAUST DEFLECTOR	1	38	30G200150	LEFT RATCHET PAWL	1
6	30Y201046	BUSHING	1	39	30Y201059	SPRING	1
10	30Y200863	TIP VALVE	1	40	30D200160	DRIVE BUSHING	1
11	30Y201048	CONICAL SPRING	1	41	30D200161	YOKE	1
12	30H200389-02	GRIP-PROTO	1	42	30Y201060	PAWL PINS	2
14	30Y201049	AIR INLET	1	43	30Y201061-01	LOCK RING NUT	1
9	30H200434	HANGER	1	44	30D200162	MOTOR SHAFT	1
15	30H200391	RATCHET HOUSING	1	47	30Y201064	CONNECTING COLLAR	1
16	30Y201050	ANVIL COLLAR A	1	48	30G200151	GEAR CONNECTING COLLAR	1
17	30R200305	SPRING	3	9	300100013	PLANET CAGE	1
18	30R200041	BALL	4	4	30010015	PLANET PIN	3
				20	30G200152	PLANET GEAR	3
19	30G100010	ANVIL ASSEMIBLY-3/8"	1	51	30H200393	REVERSE RING	1
		BALL	1	52	30Y201065	WASHER	1
		ANVIL PIN	1	53	30R200025	BEARING	1
		SPRING	2	54	30M200090	FRONT PLATE	1
				26	30M200092	ROTOR	1
19	30G100011	ANVIL ASSEMIBLY-1/2"	1	57	30R200310	SPRING PIN	1
		BALL	1	58	30M200093	CYLINDER	1
		ANVIL PIN	1	59	30M200094	REAR END PLATE	1
		SPRING	2	9	30R200311	BEARING	1
				61	30Y201066	BEARING CAP	1
20	30Y201051	ANVIL COLLAR B	1	62	30H200436	NYLON RING	1
21	30R200306	RETAINING RING	1				
22	30Y201052	GEAR PIN	1				
24	30G200148	GEAR	1		30Y100006	SOFT PARTS KIT	
25	30R200308	E-RING	2	2		O- RING	1
26	30Y201053	YOKE PIN	1	8		SEAL	1
27	30R200309	HEX. BOLT	2	13		O-RING	1
28	30H200392	RATCHET HOUSING CAP	1	55		BLADES	2

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### TETHERING THE TOOL



Use **ONLY** the following load rated Connector for tool suspension: Steel Wire, Stainless 316, Max. Load Capacity 800 lb., Eye Inside Dia. 1/2 in., Overall Length 1 15/16 in., Opening 1/4 in., Stock Thickness 3/16 in. Type: Load Rated





Do **NOT** use the following type or any other type of connector, serious injury could occur.



Check threaded stud periodically.
Thread-locker recommended.

If tool is dropped, replace all tether parts.

### CUSTOMER SERVICE

We at PROTO® 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.

PROTO INDUSTRIAL TOOLS®

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### CE DECLARATION OF CONFORMITY

WE, PROTO INDUSTRIAL TOOLS®, 2195 EAST VIEW PARKWAY, SUITE 103, CONYERS, GEORGIA 30013, DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCT J138RSH - PROTO 3/8" SEALED HEAD RATCHET WRENCH AND J150RSH - PROTO 1/2" SEALED HEAD RATCHET WRENCH

- CONFORMS WITH THE DIRECTIVE AND STANDARDS «MACHINERY» DIRECTIVE 2006/42/CE
- AND IS IN CONFORMITY WITH THE PROVISIONS OF THE HARMONISED EUROPEAN STANDARD

EN ISO 12100:2010

EN ISO 11148-6:2012

EN ISO 15744:2008

FN ISO 28927-2:2009

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Eric Min QUALITY MANAGER 05.10.2013