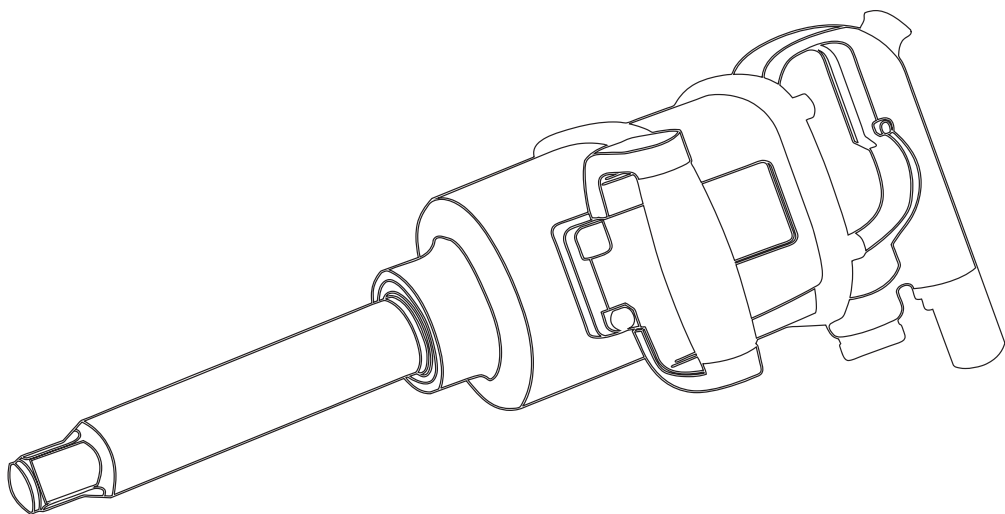


JCB

1" AIR IMPACT WRENCH INSTRUCTION & USER MANUAL



RP7495

Original Instructions

IM-RP7495-EN
Iss: 07/2023

EAC CE



GENERAL WARNINGS & DISPOSAL



To reduce the risk of injury, the user must read the instruction manual.



This symbol is used throughout this manual to warn the user about potential risks. Please read & understand these sections before using the device.



Caution! Wear ear-muffs. The impact of noise can cause damage to hearing.



Caution! Wear protective safety gloves.



Caution! Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight. wood and other materials. Never use the device to work on any materials containing asbestos!



Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!

The month and year of manufacture can be found within the product serial number e.g. MMYYPXPAXXXXXX. Where production month (MM) and production year (YY) are included.

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INTRODUCTION

For your safety, please read this manual before using any lifting equipment ensuring you fully understand its operation and the safety procedures to be observed. Ensure this manual is retained for future reference and that new users of this product read and understand the content before they use the product.

GENERAL SAFETY RULES

WARNING!

Failure to comply with these instructions can cause serious injury and damage to the vehicle. If you are in any way unsure, do not attempt to use this product and consult a qualified mechanic.

WORK ENVIRONMENT

1. Keep the work area clean and tidy.
2. Dress appropriately – Do not wear loose clothing or jewelry. Tie long hair out of the way.
3. Keep children and visitors away – Do not let children handle the tool.
4. Do not operate the tool where there are flammable liquids or gases.

IMPACT WRENCH SAFETY INSTRUCTIONS

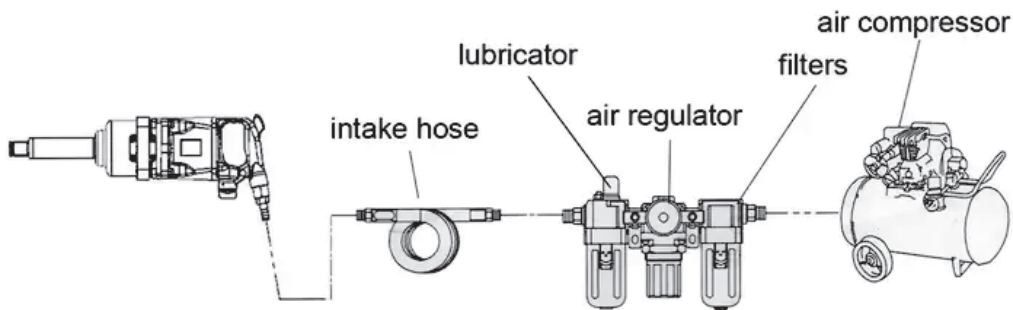
1. Always use the impact wrench as described in these instructions.
2. Always ensure the wrench is not moving and disconnected from the air supply when changing sockets etc. Use only Impact Wrench sockets...DO NOT use standard sockets.

3. Always finish tightening wheel nuts or engine parts with a torque wrench or suitable spanner to the correct torque as recommended by the vehicle manufacturer.
4. Always avoid excessive use of the impact wrench. When tightening a nut or bolt, only allow the wrench to impact briefly to avoid over-tightening.
5. Always ensure that the socket is correctly installed before switching it on.
6. Only use sockets that are specified for impact wrench use.
7. Due to the possible presence of asbestos dust from vehicle brake linings, always wear suitable respiratory protection.
8. Always disconnect from the air supply when changing sockets or when the A wrench is not required for immediate use to avoid accidental starting.
9. Always store this product in a dry, secure place out of reach of children or untrained users.
10. Always use both hands to control the impact wrench.
11. Always ensure the wrench has stopped before putting it down after use.

TRANSPORT & STORAGE

1. Never carry the wrench by the air hose.
2. Never carry the wrench with your finger on the trigger.
3. When not in use the wrench should be disconnected from the air supply and stored in a dry place out of reach of children.
4. Avoid storing the wrench where the temperature is below 0°C

COMPRESSED AIR REQUIREMENTS



1. Use only clean, dry, regulated compressed air as a power source.
2. Air compressors used with the tool must comply with the appropriate European Community Safety Directives.
3. A build-up of moisture or oil in the air compressor will accelerate wear and corrosion in the tool. Ensure any moisture is drained from the compressor daily and the inlet filter is kept clean.
4. If an unusually long air hose is required, (over 8 meters), the line pressure or the hose inside diameter may need to be increased.
5. The air hose must be rated at least 150% of the maximum operating pressure of the tool.
6. A typical airline layout is shown above. If an automatic in-line filter/ the regulator is used, it will keep the tool in good condition, but should be regularly checked and topped up with oil. The lubricator adjusted to approx 2 drops per minute.
7. For optimum performance a minimum 13mm ID air hose is used.
8. Never exceed the maximum operating pressure for the tool. It is recommended

that air pressure to this tool does not exceed 90 psi at the tool when running. Higher pressures and dirty air will shorten the life of the tool due to faster wear and is a possible safety hazard.

SAFETY PRECAUTIONS

1. Read all instructions before using this tool. All operators must be fully trained in its use and aware of these safety requirements. All service and repair must be carried out by trained personnel.
2. Never direct air at yourself or anyone else.
3. Install air fitting into inlet bushing of tool.
4. Always remove the air supply to the tool before fitting, adjusting or removing the abrasive/accessory.
5. Always wear required safety equipment when using this tool.
6. When operating always place the tool on the work then start the tool. Always remove the tool from the work before stopping. This will prevent gouging of the work due to excess speed of the abrasive/

accessory.

7. Always adopt a firm footing and/or position and be aware of torque reaction developed by the tool.
8. Use only correct spare parts.
9. Always ensure that the workpiece is firmly fixed to prevent its movement.
10. Check hose and fittings regularly for wear. Do not carry the tool by its hose; always be careful to prevent the tool from being started when carrying the tool with the air supply connected.
11. Dust can be highly combustible. Keep working area clean.
12. Dust from some work processes can cause cancer, birth defects or other respiratory diseases. Risk assessment of these hazards and implementation of appropriate controls is essential. Direct the exhaust so as to minimized disturbance of dust in a dust filled environment
13. Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. The abrasives are able to create sparks when working material, resulting in the ignition of the flammable dust or fumes.
14. Do not exceed maximum recommended air pressure. Use safety equipment as recommended.
15. The tool is not electrically insulated. Do not use where there is a possibility of coming into contact with live electricity, gas pipes, water pipes, etc. Check the area of operation before operation.
16. Take care to avoid entanglement with the moving parts of the tool with clothing, ties, hair, cleaning rags, etc. If entangled, it will cause the body to be pulled towards the work and moving parts of the machine and can be very dangerous.
17. Keep hands away from rotating or

accessories, spindles or other moving parts during use.

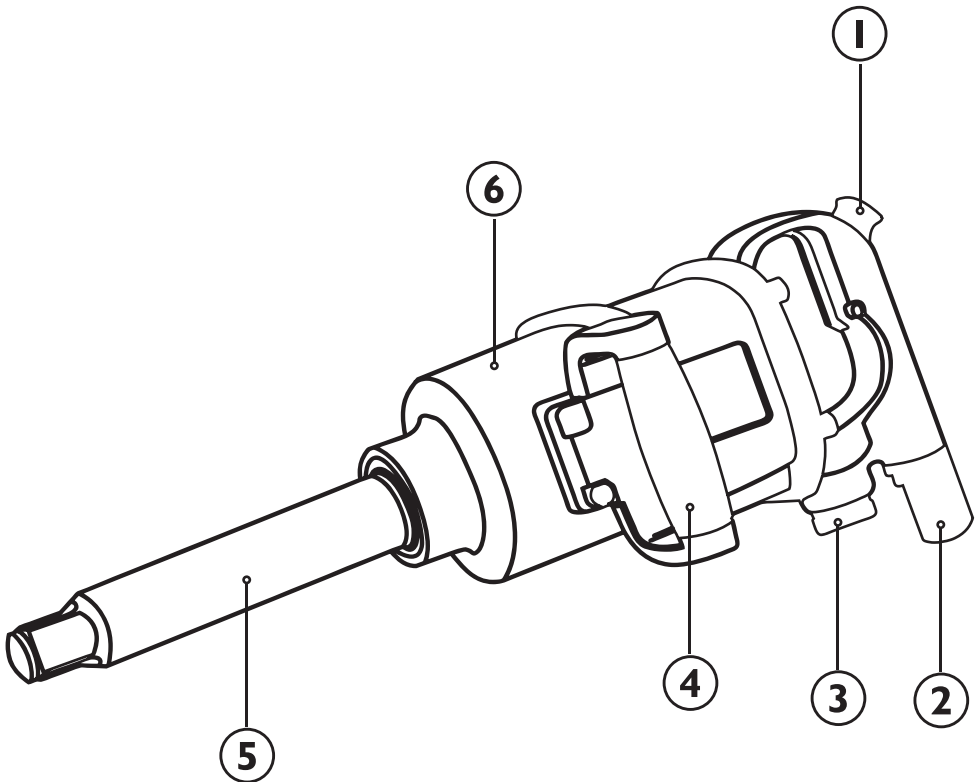
18. If the tool appears to malfunction, remove from use immediately and arrange for service and repair.
19. Do not allow the tool to free speed without taking precautions to protect any persons or objects from the loss of the abrasive/accessory.
20. Do not allow tool to free run for an extended period of time as this will shorten its life.

SPECIFICATIONS

RP7495	
Square Drive	1"
Capacity Bolt Size	2"(50mm)
No Load Speed	2800rpm
Max Reverse Torque	3.486N.m
Overall Length	644mm (25.4")
Air Inlet(NPT)	1/2"
Air Hose(ID)	16mm (5/8")
Avg.Air Consumption	340 l/min
Sug. Air comp (HP)	5HP
Net Weight:	18.9kgs

All dimensions are approximate. Images for illustration purposes only.

PARTS OF THE AIR IMPACT WRENCH



1. TRIGGER
2. AIR INLET
3. TORQUE SWITCH (4 SPEED SELECTION)
4. ERGONOMIC HANDLE DESIGN
5. ULTRA HIGH ALLOY STEEL SHAFT
6. METAL HOUSING

BEFORE USE

WARNING!

Compressed air can be dangerous. Ensure that you are familiar with all precautions relating to the use of air compressors and compressed air supply.

NOTE: Ensure the compressor is turned off.

1. The side handle is supplied loose and must be fitted to the impact wrench using the bolts provided.



2. Remove the plastic blanking plug from the air inlet connection.
3. Pour 2-3 drops airline oil into the oil filling port shown. This should be done regardless of whether or not a lubricated air supply is to be used.
- 4.



5. Connect a suitable hose to the wrench.
6. Connect the other end of the hose to the compressor.
7. Turn on the air supply and check for air leaks. Rectify any found before proceeding.
 - PTFE tape may be useful for sealing threaded connections.
8. Your air tool is now ready for use.
9. You can fit a whip hose with a quick fit coupling if required, available from your dealer.

OPERATION

WARNING!

Warning: never use standard sockets. These may shatter with Serious consequences. Only use impact sockets designed for Use with impact tools.

1. Select the impact socket you require, which must be in good condition and fit the tool exactly.
2. Push the socket onto the square drive shaft.

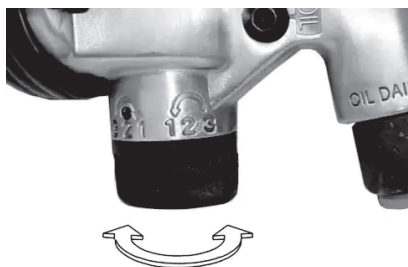
THE FORWARD/REVERSE/SPEED CONTROL

WARNING!

Wait until the anvil has stopped rotating before Operating the forward/reverse control.

Forward/Reverse rotation is selected by twisting the combined Forward/ Reverse knob/ speed regulator in the direction shown by the arrow(s) on the wrench.

1. For normal tightening, the wrench should be operated in the forward (F) direction at positions 1, 2, or 3.
2. For loosening, the wrench will be operated in the reverse (R) direction.



OPERATING THE IMPACT WRENCH

1. Locate the socket over the nut to be tightened or loosened.
 2. Squeeze the trigger to start the wrench.
 3. Release the trigger switch to stop the wrench.
- The anvil will continue to rotate very briefly after the trigger has been released.



ADJUSTING THE SPEED

1. To adjust the speed, set the tool to one of the 3 settings available. (Setting 1 - Low, 3 - High)
- These numbers are only for reference and do not denote a specific amount of power.

er. For maximum power when removing stubborn nuts, turn the impact wrench to its highest setting.

IMPORTANT: Where the torque setting is critical, the final tightening of nuts or bolts, must be by hand using a properly calibrated torque wrench.

LOOSENING A WHEEL NUT

1. Remove any wheel trim, before selecting the appropriate socket and placing firmly on the square drive of the wrench.
2. With the FORWARD/NEUTRAL/REVERSE switch in the REVERSE running position, and holding the wrench firmly in BOTH HANDS, pull the trigger. The nut will be impacted repeatedly until it is loosened. **IMPORTANT!** Release the trigger as soon as the nut begins to loosen.
3. Jack up the vehicle according to the vehicles handbook so that the wheel is clear of the ground, then proceed to fully undo the wheel nuts.
4. Soak rusted nuts in penetrating oil, and break rust seal before twisting off with the wrench.

TIGHTENING A NUT

1. Start the nut by hand, ensuring it is not cross threaded, then with the appropriate socket installed on the wrench, place it on the nut.
2. With the FORWARD/NEUTRAL/REVERSE selector in the clockwise (FORWARD) running position, and holding the wrench firmly in BOTH HANDS, pull the trigger.
3. Run each nut up in turn until it is 'nipped' up only - do not tighten. When all nuts



are nipped up, tighten progressively by pulling the trigger fully and allowing the action to operate briefly to prevent overtightening.

4. ALWAYS finish tightening with a torque wrench. The weight of the vehicle will need to be placed on the wheel to prevent it from rotating while the nuts are tightened. Ensure the final torque applied to the nuts meets the vehicle manufacturer's recommendations.

DISCONNECTING THE AIR SUPPLY

1. Do not disconnect the air supply hose until the compressor has been shut down and the compressed air released.
2. Refer to the compressor instruction manual for the procedure to shut down and vent the compressed air.
3. Once the pressure has been released, disconnect the air supply hose from the wrench.

MAINTENANCE

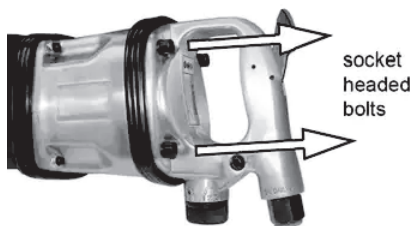
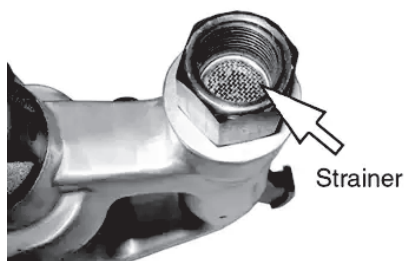
DAILY

1. Before use, drain water from the airline filter and compressor.
2. If no line lubricator is used, ensure that oil is applied to the tool on a daily basis through the air inlet connection.
3. For lubricating the air motor, an air line lubricator should be used. If this is not possible, run a few drops of oil through the tool before use. It may be entered into the tool air inlet, (ensuring the strainer is clear), or into the hose at the nearest connection to the air supply. Then operate the tool.
4. Pour a few drops of air-line oil, into the

tool air inlet. This should be carried out regardless of whether or not an in-line oiler is used. If an in-line oiler is not used, this procedure should be repeated after every two to three hours of use, or at the start of the working day.

5. Keep the body of the tool clean and free from debris.

CLEANING



1. Grit or gum deposits in the tool may reduce efficiency and cause it to run erratically. This condition can be corrected by cleaning the air strainer and flushing out the tool with gum solvent oil.
2. Failing this, the tool should be disassembled, thoroughly cleaned, dried and reassembled.
3. The tool may be dismantled by unfastening the bolts and removing the rear cover prior to replacing any worn or damaged parts. You may prefer to take

the tool to your dealer if internal maintenance is required.

4. While in a dismantled state, it may be desirable to grease the hammer mechanism and applying a small amount of good quality bearing grease.

PERFORMANCE

Please note that factors other than the tool may effect its operation and efficiency such as reduced compressor output, excessive drain on the airline, moisture or restrictions in the air-line, or the use of connectors of improper size or poor condition which will reduce air supply.

- Your air tool has been designed to give long & trouble free service. If, however, having followed the instructions in this booklet carefully, you encounter problems, take the unit to your local dealer.
- Any major servicing and repairs should be carried out by your local dealer or a qualified service technician.

STORAGE

If the tool is to be stored, or is idle for longer than 24 hours, run a few drops of air line oil into the air inlet, and run the tool for 5 seconds in order to lubricate the internal parts. Store the tool safely in its box in a dry, secure environment.

When storing, ensure the blanking plug is replaced on the airline connector once the airline has been disconnected.



TROUBLESHOOTING

SYMPTOM	PROBLEM	SOLUTION
Tool runs at normal speed but slows down under any load.	<ol style="list-style-type: none"> 1. Air motor parts worn. 2. Worn or sticking mechanism due to lack of lubricant. 	<ol style="list-style-type: none"> 1. Return to dealer for repair. 2. Drip air tool lubricating oil into air inlet. Allow oil to soak moving parts before using.
Tool runs slowly. Air flows weakly from exhaust.	<ol style="list-style-type: none"> 1. Air motor parts jammed with gum/ dirt. 2. Air-line regulator in closed position. 3. General airflow blocked by dirt. 	<ol style="list-style-type: none"> 1. Examine inlet air filter for blockage. Drip a few drops of air tool lubricating oil into air inlet. 2. Adjust in-line regulator to open position. 3. Operate tool in short bursts.
Tool will not run. Air flows freely from exhaust.	<ol style="list-style-type: none"> 1. Air motor vanes stuck due to buildup of foreign material. 	<ol style="list-style-type: none"> 1. Disconnect air supply and rotate tool assembly manually. 2. Try operating tool in short bursts. 3. Tap motor housing gently with a rubber mallet. 4. Drip a few drops of air tool lubricating oil into air inlet to soak moving parts.
Tool will not shut off.	<ol style="list-style-type: none"> 1. Throttle O-rings damaged or ill-fitting in seat. 	<ol style="list-style-type: none"> 1. Return to dealer for repair.



EU DECLARATION OF CONFORMITY				UK DECLARATION OF CONFORMITY
1.	PRODUCT(S) COVERED BY THIS DECLARATION:	Product: UK Product Code No. EU Product Code No. Factory Reference No.	1" AIR IMPACT WRENCH RP7495 RP7495 RP7495	Batch/PO No. RP220718-HB-2
2.	IDENTIFICATION DETAILS OF MANUFACTURER:	Name: Address: Country:	Yellow and Black Tools Ltd, (T/A: JCB Tools) Unit 55 Romsey Industrial Estate, Greatbridge Road Romsey, Hampshire SO51 0HR UK	
	AUTHORISED REPRESENTATIVE:	Name: Address: Country:	Trade House Forsage Instrument Pol, Sp. z o. o. 15-561, Grodecka IA, Biakystok, Polska. Poland	
3. THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER				
4.	OBJECT OF THE DECLARATION:	Product: Function:	1" AIR IMPACT WRENCH General engine repair, home projects, and light industrial applications	
5i.	THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UNION HARMONISATION LEGISLATION:	2006/42/EC	The Machinery Directive	
5ii.	THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UK STATUTORY INSTRUMENTS:	2008 No. 1597	The Supply of Machinery (Safety) Regulations 2008	
6.	REFERENCES TO THE RELEVANT HARMONISED SAFETY STANDARDS USED OR REFERENCES TO THE OTHER TECHNICAL SPECIFICATIONS IN RELATION TO WHICH CONFORMITY IS DECLARED:	EN ISO 11148-6-2012	Hand-held non-electric power tools – Safety requirements – Part 6: Assembly power tools for threaded fasteners	
7.	ADDITIONAL INFORMATION, THE TECHNICAL DOCUMENTATION FOR THE MACHINERY IS AVAILABLE FROM:	Name: Address: Country:	N/A	
SIGNED FOR AND ON BEHALF OF:		YELLOW AND BLACK TOOLS LTD.		
PLACE OF ISSUE:		ROMSEY, UK.		
DATE OF ISSUE:		12/06/2023		
NAME:		JAMES BINGHAM		
FUNCTION:		OPERATIONS DIRECTOR		
SIGNATURE:				



WARRANTY STATEMENT

JCB Power Tools are guaranteed against manufacturing defects for 3 year. Proof of purchase required. This does not affect your statutory rights.

To register your JCB Power Tool, please visit: jcb-tools.com

Warranty cover commences from the date of purchase on the retail sales receipt and is valid only for JCB Tools products bearing the CE and UKCA mark and a visible serial number.

In the unlikely event your JCB Power Tool is subject to a manufacturing fault within the warranty period, JCB Tools may repair the product by replacing defective parts free of charge at our discretion. In the event parts are irreplaceable JCB Tools may replace your product free of charge. The original product will remain the property of JCB Tools in this situation.

The above repair or replacement of products will be undertaken providing that:

- › The product has been subject to fair wear and tear only.
- › The product has not been subject to accidental or cosmetic damage.
- › The product has not been misused and has been used only in accordance with the instruction manual provided.
- › The product has not been subject to overload or insufficient servicing and maintenance.
- › The product has not been subject to any abnormal environmental conditions or inappropriate operating conditions.
- › Repairs have not been attempted by an unauthorised person and no modifications have been made to the product.
- › Repairs have not been undertaken using non-genuine spare parts.

JCB Power Tools used for Hire Fleets or as part of B2B and Service Contracts are not covered by these terms and conditions.



JCB Tools 3 Year Warranty excludes the following (where applicable):

- Components normally subject to wear such as carbon brushes.
- Batteries, Chucks and Chargers.
- Accessories and consumable items.
- Cases and tool storage products.

If your product develops a fault within 30 days of purchase, return it to the retailer where it was purchased together with your sales receipt. If a product develops a fault after 30 days a warranty claim must be submitted.

JCB TOOLS WILL NOT BE LIABLE FOR ANY INJURIES OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OF THIS PRODUCT.



EU IMPORTER:

Trade House Forsage Instrument
Pol. Sp. z o.o. 15-561, Gródecka 1A,
Białystok, Polska.

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DOWNLOAD YOUR INSTRUCTION MANUAL

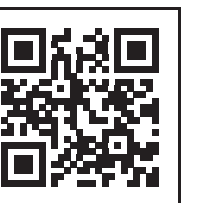
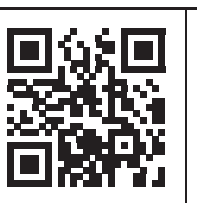
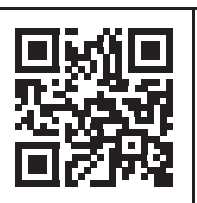
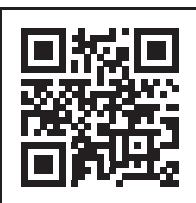
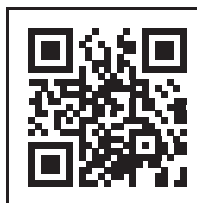
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