

User's Manual **m7**
QB-58502
AIR SANDER

Read this manual carefully before installing, operating, servicing or repairing.

Working environment:

- Using these tools in any potentially explosive environment is strictly prohibited.
- It is always recommended that these types of tools must be operated when standing on a solid or firm location.
- Always use these tools in a well ventilated area.
- Slipping, stumbling and falling are the major causes of potential serious injury, therefore, a clean and clutter free surface in the working area before operating the tools is strongly recommended.

Air supply and connection requirements:

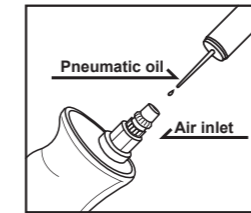
- The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.
- The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water filter installed, some water may still condense in the piping or hose and will enter the tool mechanism causing premature damage to the tool. Therefore, it is recommended to install an air filter-lubricator device somewhere between the tool and the compressor.
- Always use an air compressor of the proper capacity to operate each tool.
- Clean the hose with a blast of compressed air before connecting the hose to the air tool. This will prevent both moisture and dust inside the hose from entering the tool and causing possible rust or malfunction.

Warning:

- This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
- This tool is specifically designed for sanding or polishing a surface of metal or wood. Any application or use of this tool other than what it is designed for is strictly prohibited.
- High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
- Wearing eye/face protection can reduce the danger of high-speed materials being emitted from the tool.
- User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
- Always wear gloves to reduce the risk of cuts or burns.
- Working with certain materials may create emission of dust and fumes, which may cause a potential explosive environment and a hazard to the health. Therefore, wearing proper breathing protection and taking some preventive measures are recommended.
- Never use sanding paper which was exposed to moisture. Also, avoid using this tool when it is wet, that will affect the function and durability of the pad.
- Do not use any grinding or cutting wheels on this tool.
- Test run the tool to confirm the rotation direction before practical use. This will reduce the potential hazard due to unexpected rotating direction.
- Never operate the tool away from the work area in case the accessories may detach from the tool, this may cause injury to personnel nearby.
- Use only recommended self-felt sanding paper or polisher which is in good condition and is intended for use on these types of sanders.
- The diameter of the self-felt sanding paper to be used should meet the exact specification, which is specified in the attached data table shown on the next page.
- Make sure the allowed operation speed of the self-felt sanding paper or polisher, which is going to be used, must be higher than 15000R.P.M.
- Make sure that the direction of the sparks generated from the sanding paper is properly directed so it will not create a hazard.
- Always turn off the air supply and disconnect the air hose before replacing sanding paper/polisher or making any adjustments on this tool.
- While replacing the self-felt sanding paper, make sure that it is placed concentrically on the support pad.
- Release the throttle lever to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
- Make sure there is no gas or combustible material stored near the tool when servicing, changing sanding paper/polisher or storage.
- Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
- It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
- Be aware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
- Avoid storing this tool where it is subject to high humidity.

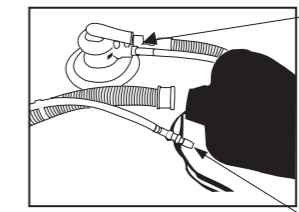
Maintenance:

- Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached picture.
- Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
- Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
- To maintain the tool always in good function, the components inside the shroud need to be cleaned by compressed air occasionally.
- Follow all the recycling laws of waste disposal once this tool is no longer usable.

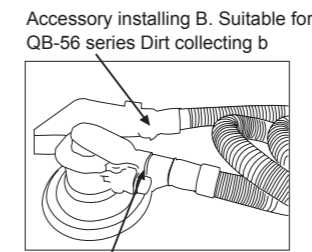


Regular maintenance

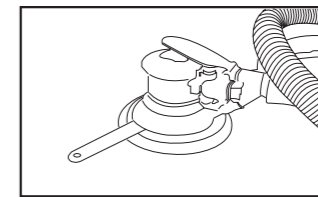
Accessory installing A. Suitable for QB-56 series



Dirt outlet
Three options to be connected here:
1. Supplied dirt collecting bag.
2. Vacuum cleaner.
3. Central dirt collecting system.
Air inlet, connect here to air hose.



Connect here to air hose



Pad changing:
1. Insert the supplied spanner into the shroud and hold in place.
2. Manually turn the pad counterclockwise to loosen it.



EC DECLARATION OF CONFORMITY

Original Language
Serial Number: Please refer to the tool
Air Random Orbital Sander
Item No.: QB-54502 QB-54602 QB-54702 QB-55502 QB-55602 QB-56502 QB-56602
QB-58602 QB-58502 QB-57602 QB-59602

We declare under our own responsibility that the above machinery fulfils all the relevant provisions of Machinery Directive 2006/42/EC and its amendment and is manufactured and tested according to the following standards:
EN 792-8 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-8

Declared in: Taichung, Taiwan
Dated: 01/01/2010

Signature
Jonney Chen

Jonney Chen
Declared by: QA Manager

Manufacturer:
Mighty Seven International Co., Ltd.
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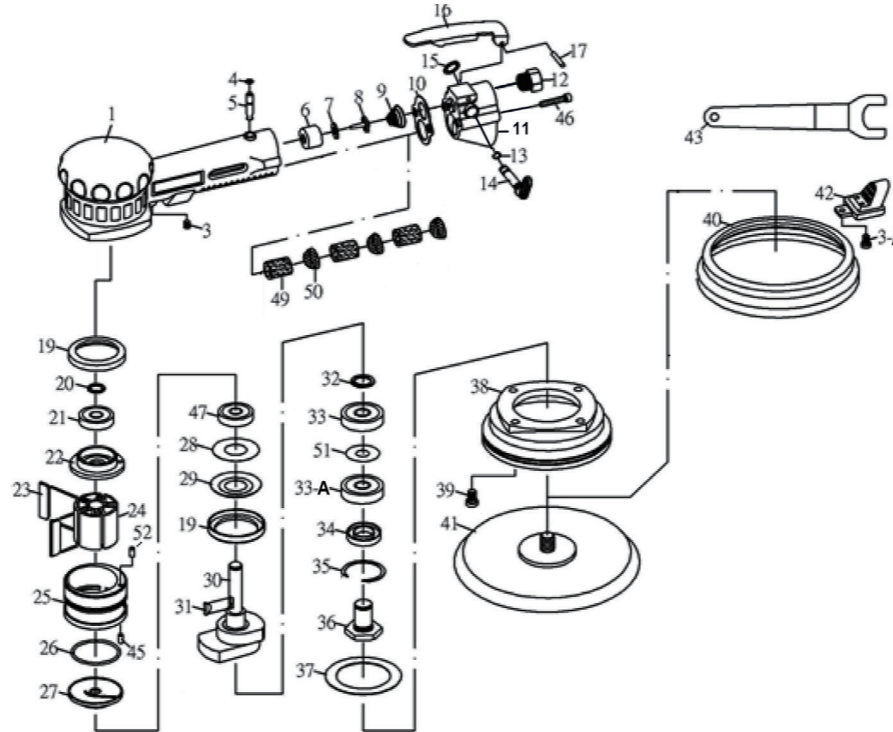


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Air Sander
Item No : QB-58502

● The consumable parts ▲ The replacement parts ★ The non-replacement parts



Part List Item No : QB-58502

NO.	INDEX NO.	DESCRIPTION	QTY
★	1	QB-58502P01 HOUSING	1
★	3	QB-58502P03 SCREW (M4*8)	1
★	3A	QB-58502P03A SCREW (M4*12)	1
●	4	QB-58502P04 O-RING	1
★	5	QB-58502P05 VALVE STEM	1
★	6	QB-58502P06 BUSHING	1
★	7	QB-58502P07 WASHER	1
★	8	QB-58502P08 VALVE	1
★	9	QB-58502P09 SPRING	1
●	10	QB-58502P10 PACKING	1
★	11	QB-58502P11 HOUSING BACK SEAT	1
★	12	QB-58502P12 AIR INLET	1
●	13	QB-58502T13 O-RING (2 PCS)	1 SET
★	14	QB-58502P14 REGULATOR	1
★	15	QB-58502P15 SNAP RING	1
★	16	QB-58502P16 LEVER	1
★	17	QB-58502P17 PIN(3*24L)	1
▲	19	QB-58502T19 RUBBER BUSHING (2 PCS)	1 SET
▲	20	QB-58502P20 SNAP RING	1
▲	21	QB-58502P21 BEARING(6000ZZ)	1
▲	22	QB-58502P22 REAR PLATE	1
●	23	QB-58502T23 ROTOR BLADE (5 PCS)	1 SET
★	24	QB-58502P24 ROTOR	1
★	25	QB-58502P25 CYLINDER	1
▲	26	QB-58502P26 O-RING	1

NO.	INDEX NO.	DESCRIPTION	QTY
▲	27	QB-58502P27 FRONT PLATE	1
★	28	QB-58502P28 WASHER	1
★	29	QB-58502P29 WASHER	1
★	30	QB-58502P30 MOTOR SHAFT BALANCER (5")	1
▲	31	QB-58502P31 ROTOR KEY	1
★	32	QB-58502P32 SNAP RING	1
▲	33	QB-58502P33 BEARING (6001LU)	1
▲	33A	QB-58502P33A BEARING(6001)	1
★	34	QB-58502P34 SHAFT SEAL	1
★	35	QB-58502P35 SNAP RING	1
★	36	QB-58502P36 SHAFT	1
★	37	QB-58502P37 WASHER	1
★	38	QB-58502P38 HOUSING COVER	1
★	39	QB-58502T39 SCREW(M5*12) (4 PCS)	1 SET
★	40	QB-58502P40 SHROUD	1
●	41	QB-58502P41 5" PAD HOOK-UP	1
★	42	QB-58502P42 EXHAUST SLEEVE	1
★	43	QB-58502P43 STOP SPANNER	1
★	45	QB-58502P45 PIN (3*8)	1
★	46	QB-58502T46 SCREW(M4*20) (2 PCS)	1 SET
▲	47	QB-58502P47 BEARING(6002ZZ)	1
●	49	QB-58502T49 SILENCER (3 PCS)	1 SET
●	50	QB-58502T50 STAINLESS MESH (3 PCS)	1 SET
★	51	QB-58502P51 SHIM	1
★	52	QB-58502P52 PIN (3*12)	1

Item No.	Pad Dia	Free Speed	Ave. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration level	Orbit
	inch	RPM	CFM	PSI	inch	hp	LBS	inch	dBA	m/s²	mm
QB-58502	5"	10000	3.1	90	9-7/16"	0.4	2.6	3/8"	80.0	1.3	5

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a > 5 m/s²