# JITTERBUG SANDER MANUAL INSTRUCTION

ONETECH

Tools



NT09-210C-H

#### ATTENTION! PLEASE READ THIS MANUAL BEFORE USING THE TOOL.

#### IMPROPER USE OF TOOL MAY CAUSE INJURY AND/OR PROPERTY DAMAGE!

## ONLY QUALIFIED AND SPECIALLY TRAINED PERSONNEL FAMILIED WITH THESE INSTRUCTIONS IS ALLOWED TO USE AND MAINTENANCE OF THE TOOL.

This manual contains description, safety rules and all the information necessary for the correct use of the pneumatic tool.

The safety advice given in this manual is in addition to and does not replace the general safety regulations applicable in the region where the Tool is used.



Potential injury from moving parts.

> There may be an increased level of noise, vibration.

> Excessive dustiness of the air in the working area may occur.











#### **GENERAL RULES OF OPERATION**

• When working with the tool always use personal protective equipment appropriate for the type of work performed (goggles, impact resistant glasses, hand protection, body, etc.);

- The employee's appearance must comply with safety requirements. Loose clothing, jewelry or long hair can be caught in the rotating parts of the tool;
- The rated speed of the accessories used must exceed the maximum indicated tool speed;

• To ensure maximum performance and durability of the tool, the working pressure of the compressed air should be set at 6,2 bar;

• Do not operate the tool in an explosive environment containing flammable liquids, gases, or dust. During operation, sparks may form, from which ignition is possible;

- High noise levels can cause hearing loss. Timely maintenance will help avoid an increase in noise levels;
- The tool may generate vibration during use. Prolonged vibration can damage hands and / or other parts of the body. In case of any unpleasant sensations in the hands and wrists, you must stop working;
- The flow of compressed air can cause serious injury. Never direct the air flow towards yourself or others. Do not use compressed air to clean clothes;

• Before starting work, check the compressed air supply and dust extraction hoses for damage, wear or other defects. Replace immediately if found;

- Do not carry the tool by the compressed air supply and dust extraction hoses;
- Check screw connections before starting work. Tighten if necessary;
- Possible sudden changes in movement during start-up and operation;
- Do not try to lock the ON / OFF lever in the ON position. The lever should independently and freely return to the "OFF" position after being released;
- The workpiece to be processed must be securely fixed;

• Always disconnect the tool from the compressed air line before changing abrasives, accessories, performing maintenance or adjusting parameters;

• Before installing on the tool, inspect the abrasives (accessories) for damage or defects.

#### MAINTENANCE

- Before and after operating, place a few drops of SAE #10 into inlet bushing with throttle lever pressed down
- to allow lubricating oils to properly dispense through machine.
- > Connect the compressed air pipe and run for a few seconds, the tool for oil distribution on the tool.

**NOTE**: it is Possible the yield of oil through the exhaust hole. To prevent the ingress of oil on the workpiece an / or of the operator to close the exhaust hole with a rag.

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#### **STORAGE**

- Avoid storing the instrument in conditions of high humidity.
- Lubricate the tool before long-term storage (see MAINTENANCE).

#### **ITEM DESIGN HANGE**

It is forbidden to make changes to the design of the tool without the consent of the manufacturer.

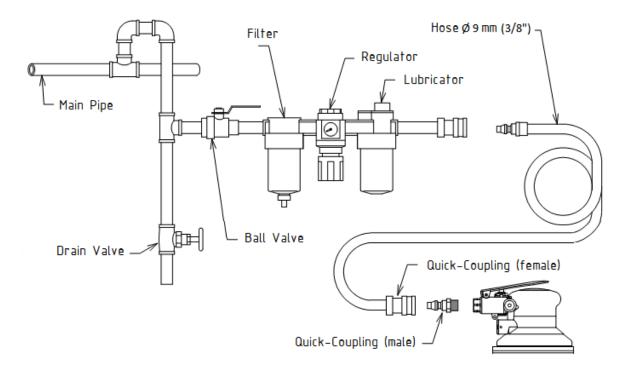
#### **DISPOSAL**

When disposing of the tool or individual components, observe the local regulations in force in the region where the equipment is used.

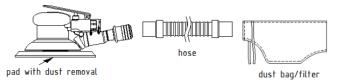
#### THE AIR SUPPLY SYSTEM

- > For maximum performance and durability of parts, the operating inlet pressure should be set at 6,2 bar.
- ➢ Recommended diameter of the compressed air hose 3/8" (≈ 9 mm).
- Always use clean, dry air.
- > Drain the water from the air line before starting work. Install a filter drier in the air line.
- > Maintain the necessary supply of compressed air in the air line for trouble-free and optimal tool performance.

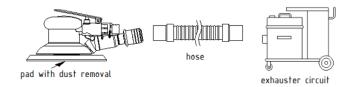
#### **EXAMPLE OF AIR SUPPLY SYSTEM**



### TYPES OF DUST EXTRACTION



Type of dust extraction: SELF-GENERATED VACUUM (with the bag filter)



Type of dust extractoin: CENTRAL VACUUM



Type of dust extractoin: NON-VACUUM

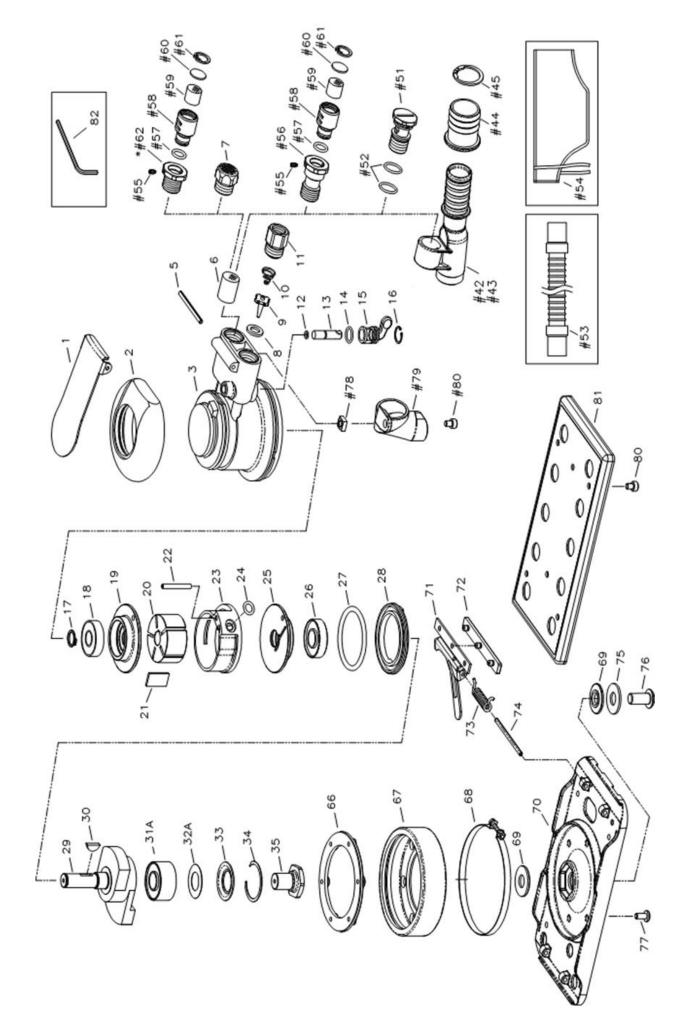
#### **TECHNICAL SPECIFICATION**

Model	Pad size, mm	Orbit <i>,</i> mm	Speed, rpm	Air consumption, lpm	Weight, kg	Vacuum mode	Pad Face
NT09-209N-V	178 x 93	2,5	10 000	170	1,1	Non-Vacuum	Vinyl + Spring Clip
NT09-210C-H	178 x 93	2,5	10 000	170	1,2	Central Vacuum	Hook + Spring Clip

Working pressure, bar	Air inlet thread	Noise, dB (A)
6,2	1/4"	≤ 84

### **TROUBLESHOOTING GUIDE**

Not operating				
Possible Cause	Solution			
Blades broken or worn out	Replace blades			
Ball bearing damaged	Replace ball bearing			
Rusty Motor or clogged with objects	Disassemble and repair			
Motor blades stuck	Disassemble and repair			
Regulator is set at «OFF»	Adjust regulator			
No air flow	Check air system and connections			
Valve set damaged or broken	Disassemble and repair			
Low efficiency				
Possible Cause	Solution			
Not enough air pressure	Check air pressure			
Regulator is not set properly	Adjust regulator			
Motor running abnormal or unusual noises occur				
Possible Cause	Solution			
Not enough lubrication	Lubricate			
Ball bearing, cylinder, rotor blade, shaft damaged	Replace parts			
Motor keeps running				
Possible Cause	Solution			
Valve set has other objects stuck on it	Remove foreign objects			
Throttle valve or spring broken	Disassemble and repair			
Valve seat broken, damaged	Disassemble and repair			
Throttle valve broken	Replace parts			





#### NT09-209N-V, NT09-210C-H v.2.0

1         Valve Lever         NT095-0001         1           2         Housing Cover         NT095-0002         1           3         Motor Housing         NT095-0003         1           5         Spring Pin         NT095-0005         1           6         Muffler         NT095-0006         1           7         Muffle Cover         NT095-0007         1           8         Valve Seat         NT095-0007         1           9         Throttle Valve         NT095-0001         1           9         Throttle Valve         NT095-0011         1           10         Spring         NT095-0012         1           #51         O-Ring         NT095-0013         1           11         Hose Fitting         NT095-0014         1           12         O-Ring         NT095-0015         1           13         Valve Tappet         NT095-0016         1           14         O-Ring         NT095-0017         1           16         Snap Ring         NT095-0018         1           17         Snap Ring         NT095-0027         1           18         Ball Bearing         NT095-0022         1 <th>No.</th> <th>Description</th> <th>Part No.</th> <th>Q'ty</th> <th></th> <th>No.</th> <th>Desc</th>	No.	Description	Part No.	Q'ty		No.	Desc
2         Housing Cover         NT095-0002         1           3         Motor Housing         NT095-0003         1           5         Spring Pin         NT095-0005         1           6         Muffler         NT095-0005         1           7         Muffle Cover         NT095-0007         1           8         Valve Seat         NT095-0009         1           9         Throttle Valve         NT095-0010         1           9         Throttle Valve         NT095-0011         1           10         Spring         NT095-0012         1           11         Hose Fitting         NT095-0013         1           12         O-Ring         NT095-0013         1           14         O-Ring         NT095-0013         1           15         Regulator         NT095-0017         1           16         Snap Ring         NT095-0017         1           18         Ball Bearing         NT095-0018         1           19         Upper End Plate         NT095-0022         1           12         Spring Pin         NT095-0022         1           12         Balde         NT095-0022         1 <td>1</td> <td>Valve Lever</td> <td>NT09S-0001</td> <td>1</td> <td></td> <td></td> <td>Swivel Hose Adapter 30n</td>	1	Valve Lever	NT09S-0001	1			Swivel Hose Adapter 30n
3         Prime         N1095-0003         1         ##3           5         Spring Pin         NT095-0005         1         #51           6         Muffler         NT095-0007         1         #53           7         Muffle Cover         NT095-0007         1         #53           8         Valve Seat         NT095-0008         1         #54           9         Throttle Valve         NT095-0010         1         #55           10         Spring         NT095-0011         1         #56           11         Hose Fitting         NT095-0012         1         #57           12         O-Ring         NT095-0013         1         #51           13         Valve Tappet         NT095-0014         1         #61           16         Snap Ring         NT095-0015         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0018         1         67           19         Upper End Plate         NT095-0028         1         71           23         Cylinder         NT095-0024         1         73           24	2	Housing Cover	NT09S-0002	1	#	44	Swivel Hose Adapter 32n
S         N1095-0005         1         #51           6         Muffier         NT095-0006         1         #52           7         Muffie Cover         NT095-0007         1         #53           8         Valve Seat         NT095-0009         1         #54           9         Throttle Valve         NT095-0009         1         #55           10         Spring         NT095-0010         1         #56           11         Hose Fitting         NT095-0012         1         #57           12         O-Ring         NT095-0013         1         #59           14         O-Ring         NT095-0015         1         #60           15         Regulator         NT095-0016         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0017         1         68           20         Rotor         NT095-0017         1         68           21         Blade         NT095-0027         1         68           22         Spring Pin         NT095-0022         1         71           23         Cylinder         NT095-0	3	Motor Housing	NT09S-0003	1	#	45	Snap Ring
6         N1095-0006         1         #52           7         Muffle Cover         NT095-0007         1         #53           8         Valve Seat         NT095-0008         1         #54           9         Throttle Valve         NT095-0009         1         #55           10         Spring         NT095-0010         1         #55           11         Hose Fitting         NT095-0012         1         #57           12         O-Ring         NT095-0013         1         #57           13         Valve Tappet         NT095-0014         1         #59           14         O-Ring         NT095-0015         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0017         1         66           19         Upper End Plate         NT095-0017         1         68           20         Rotor         NT095-0022         1         71           23         Cylinder         NT095-0024         1         72           24         O-Ring         NT095-0027         1         76           28         Retainer Nut	5	Spring Pin	NT09S-0005	1	#	51	Self-Gen. Vac. Retainer
7         N1095-0007         1         #53           8         Valve Seat         NT095-0008         1         #54           9         Throttle Valve         NT095-0009         1         #55           10         Spring         NT095-0010         1         #56           11         Hose Fitting         NT095-0011         1         #57           12         O-Ring         NT095-0012         1         #51           13         Valve Tappet         NT095-0013         1         #59           14         O-Ring         NT095-0016         1         #60           15         Regulator         NT095-0016         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0017         1         68           20         Rotor         NT095-0027         1         68           21         Blade         NT095-0028         1         71           23         Cylinder         NT095-0024         1         73           25         Lower End Plate         NT095-0027         1         76           28         Retainer Nut	6	Muffler	NT09S-0006	1	#	52	O-Ring
8         N1095-0008         1         #54           9         Throttle Valve         NT095-0009         1         #55           10         Spring         NT095-0010         1         #55           11         Hose Fitting         NT095-0011         1         #57           12         O-Ring         NT095-0012         1         #58           13         Valve Tappet         NT095-0013         1         #59           14         O-Ring         NT095-0014         1         #60           15         Regulator         NT095-0015         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0018         1         67           19         Upper End Plate         NT095-0077         1         68           20         Rotor         NT095-0078         1         69           21         Blade         NT095-0022         1         71           23         Cylinder         NT095-0024         1         72           24         O-Ring         NT095-0027         1         76           28         Retainer Nut	7	Muffle Cover	NT09S-0007	1	#	53	Vacuum Hose
9         NT09S-0009         1         #55           10         Spring         NT09S-0010         1         #55           11         Hose Fitting         NT09S-0011         1         #57           12         O-Ring         NT09S-0012         1         #58           13         Valve Tappet         NT09S-0013         1         #59           14         O-Ring         NT09S-0014         1         #60           15         Regulator         NT09S-0015         1         #61           16         Snap Ring         NT09S-0016         1         #62           17         Snap Ring         NT09S-0017         1         66           18         Ball Bearing         NT09S-0077         1         68           20         Rotor         NT09S-0077         1         68           21         Blade         NT09S-0022         1         71           23         Cylinder         NT09S-0024         1         72           24         O-Ring         NT09S-0027         1         74           26         Ball Bearing         NT09S-0027         1         75           27         O-Ring         NT09S-0027 <td>8</td> <td>Valve Seat</td> <td>NT09S-0008</td> <td>1</td> <td>#</td> <td>54</td> <td>Dust Bag</td>	8	Valve Seat	NT09S-0008	1	#	54	Dust Bag
10         Page Fitting         NT095-0011         1         #56           11         Hose Fitting         NT095-0012         1         #57           12         O-Ring         NT095-0013         1         #57           13         Valve Tappet         NT095-0013         1         #59           14         O-Ring         NT095-0014         1         #60           15         Regulator         NT095-0015         1         #61           16         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0018         1         67           19         Upper End Plate         NT095-0077         1         68           20         Rotor         NT095-0078         1         69           21         Blade         NT095-0022         1         71           23         Cylinder         NT095-0022         1         72           24         O-Ring         NT095-0021         1         75           27         O-Ring         NT095-0027         1         76           28         Retainer Nut         NT095-0037         1         77           29         Sh	9	Throttle Valve	NT09S-0009	1	#	55	Screw
11	10	Spring	NT09S-0010	1	#	56	Central Vac. Retainer
12       Valve Tappet       NT09S-0012       1       #58         13       Valve Tappet       NT09S-0013       1       #59         14       O-Ring       NT09S-0014       1       #60         15       Regulator       NT09S-0015       1       #61         16       Snap Ring       NT09S-0016       1       #61         17       Snap Ring       NT09S-0017       1       66         18       Ball Bearing       NT09S-0018       1       67         19       Upper End Plate       NT09S-0077       1       68         20       Rotor       NT09S-0078       1       69         21       Blade       NT09S-0079       5       70         22       Spring Pin       NT09S-0022       1       71         23       Cylinder       NT09S-0024       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0037       1       77         28       Retainer Nut       NT09S-0032       1       77         29       Shaft, 2.5mm       NT09S-0038       1       80         30       H/R Key	11	Hose Fitting	NT09S-0011	1	#	57	O-Ring
13         NT095-0013         1         #59           14         O-Ring         NT095-0014         1         #60           15         Regulator         NT095-0015         1         #61           16         Snap Ring         NT095-0016         1         #62           17         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0017         1         66           19         Upper End Plate         NT095-0077         1         68           20         Rotor         NT095-0078         1         69           21         Blade         NT095-0079         5         70           22         Spring Pin         NT095-0022         1         71           23         Cylinder         NT095-0024         1         72           24         O-Ring         NT095-0027         1         74           26         Ball Bearing         NT095-0027         1         75           27         O-Ring         NT095-0027         1         76           28         Retainer Nut         NT095-0037         1         #79           31A         Ball Bearing         N	12	O-Ring	NT09S-0012	1	#	58	Swivel Muffler
14       14       14       14       14         15       Regulator       NT095-0014       1       16         15       Regulator       NT095-0015       1       #61         16       Snap Ring       NT095-0016       1       #62         17       Snap Ring       NT095-0017       1       66         18       Ball Bearing       NT095-0017       1       66         19       Upper End Plate       NT095-0077       1       68         20       Rotor       NT095-0078       1       69         21       Blade       NT095-0079       5       70         22       Spring Pin       NT095-0022       1       71         23       Cylinder       NT095-0024       1       72         24       O-Ring       NT095-0024       1       74         25       Lower End Plate       NT095-0027       1       76         27       O-Ring       NT095-0028       1       77         29       Shaft, 2.5mm       NT095-0037       1       #78         30       H/R Key       NT095-0038       1       80         32A       Dust Seal       NT095-0040 </td <td>13</td> <td>Valve Tappet</td> <td>NT09S-0013</td> <td>1</td> <td>#</td> <td>59</td> <td>Muffler</td>	13	Valve Tappet	NT09S-0013	1	#	59	Muffler
15         1         #61           16         Snap Ring         NT095-0016         1           17         Snap Ring         NT095-0017         1           18         Ball Bearing         NT095-0018         1           19         Upper End Plate         NT095-0077         1           20         Rotor         NT095-0078         1           21         Blade         NT095-0078         1           22         Spring Pin         NT095-0022         1           23         Cylinder         NT095-0024         1           24         O-Ring         NT095-0024         1           25         Lower End Plate         NT095-0026         1           74         26         Ball Bearing         NT095-0027         1           28         Retainer Nut         NT095-0027         1         76           28         Retainer Nut         NT095-0037         1         #79           31A         Ball Bearing         NT095-0037         1         #80           33         Washer         NT095-0041         1           34         Snap Ring         NT095-0042         1           34         Snap Ring	14	O-Ring	NT09S-0014	1	#	ŧ60	Plate
16         17         Snap Ring         NT095-0017         1           17         Snap Ring         NT095-0017         1         66           18         Ball Bearing         NT095-0018         1         67           19         Upper End Plate         NT095-0077         1         68           20         Rotor         NT095-0078         1         69           21         Blade         NT095-0022         1         71           23         Cylinder         NT095-0022         1         72           24         O-Ring         NT095-0024         1         73           25         Lower End Plate         NT095-0027         1         74           26         Ball Bearing         NT095-0027         1         75           27         O-Ring         NT095-0027         1         76           28         Retainer Nut         NT095-0027         1         76           29         Shaft, 2.5mm         NT095-0037         1         #78           30         H/R Key         NT095-0037         1         #79           31A         Ball Bearing         NT095-0039         1         #80           32A	15	Regulator	NT09S-0015	1	#	61	Snap Ring
17       NT09S-0017       1       66         18       Ball Bearing       NT09S-0018       1       67         19       Upper End Plate       NT09S-0077       1       68         20       Rotor       NT09S-0078       1       69         21       Blade       NT09S-0079       5       70         22       Spring Pin       NT09S-0022       1       71         23       Cylinder       NT09S-0080       1       72         24       O-Ring       NT09S-0024       1       73         25       Lower End Plate       NT09S-0026       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0082       1       77         29       Shaft, 2.5mm       NT09S-0037       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1       80         33       Washer       NT09S-0041       1       1         34       Snap Ring       NT09S-0041	16	Snap Ring	NT09S-0016	1	#	62	Non-Vac Retainer
18         NT09S-0018         1         67           19         Upper End Plate         NT09S-0077         1         68           20         Rotor         NT09S-0078         1         69           21         Blade         NT09S-0079         5         70           22         Spring Pin         NT09S-0022         1         71           23         Cylinder         NT09S-0024         1         72           24         O-Ring         NT09S-0024         1         73           25         Lower End Plate         NT09S-0026         1         74           26         Ball Bearing         NT09S-0027         1         76           27         O-Ring         NT09S-0028         1         77           28         Retainer Nut         NT09S-0028         1         77           29         Shaft, 2.5mm         NT09S-0037         1         #78           30         H/R Key         NT09S-0037         1         #79           31A         Ball Bearing         NT09S-0038         1         80           32A         Dust Seal         NT09S-0040         1         480           33         Washer <t< td=""><td>17</td><td>Snap Ring</td><td>NT09S-0017</td><td>1</td><td></td><td>66</td><td>Fasten Ring</td></t<>	17	Snap Ring	NT09S-0017	1		66	Fasten Ring
19       N1095-0077       1       68         20       Rotor       NT095-0078       1       69         21       Blade       NT095-0079       5       70         22       Spring Pin       NT095-0022       1       71         23       Cylinder       NT095-0020       1       72         24       O-Ring       NT095-0024       1       73         25       Lower End Plate       NT095-0026       1       74         26       Ball Bearing       NT095-0027       1       76         27       O-Ring       NT095-0027       1       76         28       Retainer Nut       NT095-0028       1       77         29       Shaft, 2.5mm       NT095-0037       1       #78         30       H/R Key       NT095-0037       1       #79         31A       Ball Bearing       NT095-0037       1       #80         33       Washer       NT095-0040       1       81         34       Snap Ring       NT095-0041       1       81         35       Pad Retainer       NT095-0042       1       81	18	Ball Bearing	NT09S-0018	1		67	Skirt
20       N1095-0078       1       69         21       Blade       NT095-0079       5       70         22       Spring Pin       NT095-0022       1       71         23       Cylinder       NT095-0022       1       72         24       O-Ring       NT095-0024       1       73         25       Lower End Plate       NT095-0026       1       74         26       Ball Bearing       NT095-0027       1       75         27       O-Ring       NT095-0028       1       77         28       Retainer Nut       NT095-0028       1       77         29       Shaft, 2.5mm       NT095-0037       1       #78         30       H/R Key       NT095-0037       1       #79         31A       Ball Bearing       NT095-0038       1       80         32A       Dust Seal       NT095-0040       1       #80         33       Washer       NT095-0041       1       81         35       Pad Retainer       NT095-0042       1       81	19	Upper End Plate	NT09S-0077	1		68	Skirt Band
21       NT09S-0079       5       70         22       Spring Pin       NT09S-0022       1       71         23       Cylinder       NT09S-0080       1       72         24       O-Ring       NT09S-0024       1       73         25       Lower End Plate       NT09S-0026       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0028       1       77         29       Shaft, 2.5mm       NT09S-0037       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0037       1       #80         32A       Dust Seal       NT09S-0039       1       #80         33       Washer       NT09S-0040       1       81         34       Snap Ring       NT09S-0041       1       81         35       Pad Retainer       NT09S-0042       1       81	20	Rotor	NT09S-0078	1	(	69	Washer
22       NT095-0022       1       71         23       Cylinder       NT095-0080       1       72         24       O-Ring       NT095-0024       1       73         25       Lower End Plate       NT095-0081       1       74         26       Ball Bearing       NT095-0026       1       75         27       O-Ring       NT095-0027       1       76         28       Retainer Nut       NT095-0028       1       77         29       Shaft, 2.5mm       NT095-0082       1       #78         30       H/R Key       NT095-0037       1       #79         31A       Ball Bearing       NT095-0037       1       #80         33       Washer       NT095-0040       1       81         34       Snap Ring       NT095-0041       1       81         35       Pad Retainer       NT095-0042       1       81	21	Blade	NT09S-0079	5		70	Plate
23       NT09S-0080       1       72         24       O-Ring       NT09S-0024       1       73         25       Lower End Plate       NT09S-0081       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0028       1       77         29       Shaft, 2.5mm       NT09S-0082       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1       80         32A       Dust Seal       NT09S-0040       1       #80         33       Washer       NT09S-0041       1       81         35       Pad Retainer       NT09S-0042       1       81	22	Spring Pin	NT09S-0022	1		71	Clip
24       N109S-0024       1       73         25       Lower End Plate       NT09S-0081       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0028       1       77         29       Shaft, 2.5mm       NT09S-0082       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0037       1       #80         32A       Dust Seal       NT09S-0039       1       #80         33       Washer       NT09S-0040       1       81         35       Pad Retainer       NT09S-0042       1       81	23	Cylinder	NT09S-0080	1		72	Сlip Кеу
25       N109S-0081       1       74         26       Ball Bearing       NT09S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0028       1       77         29       Shaft, 2.5mm       NT09S-0082       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1       80         32A       Dust Seal       NT09S-0039       1       #80         33       Washer       NT09S-0040       1       81         35       Pad Retainer       NT09S-0042       1       81	24	O-Ring	NT09S-0024	1		73	Spring
26       N109S-0026       1       75         27       O-Ring       NT09S-0027       1       76         28       Retainer Nut       NT09S-0028       1       77         29       Shaft, 2.5mm       NT09S-0082       1       77         30       H/R Key       NT09S-0037       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1       80         32A       Dust Seal       NT09S-0039       1       #80         33       Washer       NT09S-0040       1       81         35       Pad Retainer       NT09S-0042       1       81	25	Lower End Plate	NT09S-0081	1		74	Spring Pin
27       N1095-0027       1       76         28       Retainer Nut       NT095-0028       1       77         29       Shaft, 2.5mm       NT095-0082       1       #78         30       H/R Key       NT095-0037       1       #79         31A       Ball Bearing       NT095-0038       1       80         32A       Dust Seal       NT095-0039       1       #80         33       Washer       NT095-0040       1       81         34       Snap Ring       NT095-0041       1       81         35       Pad Retainer       NT095-0042       1       81	26	Ball Bearing	NT09S-0026	1		75	Washer M8
28       N109S-0028       1       77         29       Shaft, 2.5mm       NT09S-0082       1       #78         30       H/R Key       NT09S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1       #79         31A       Dust Seal       NT09S-0038       1       80         32A       Dust Seal       NT09S-0039       1       #80         33       Washer       NT09S-0040       1       81         34       Snap Ring       NT09S-0041       1       81         35       Pad Retainer       NT09S-0042       1       81	27	O-Ring	NT09S-0027	1		76	Bolt
29       N1095-0082       1       #78         30       H/R Key       NT095-0037       1       #79         31A       Ball Bearing       NT095-0038       1       80         32A       Dust Seal       NT095-0039       1       80         33       Washer       NT095-0040       1       80         34       Snap Ring       NT095-0041       1       81         35       Pad Retainer       NT095-0042       1       81	28	Retainer Nut	NT09S-0028	1		77	Screw
30       N109S-0037       1       #79         31A       Ball Bearing       NT09S-0038       1         32A       Dust Seal       NT09S-0039       1         33       Washer       NT09S-0040       1         34       Snap Ring       NT09S-0041       1         35       Pad Retainer       NT09S-0042       1	29	Shaft, 2.5mm	NT09S-0082	1	#	78	sq Nut
31A     N1095-0038     1     80       32A     Dust Seal     NT095-0039     1     #80       33     Washer     NT095-0040     1       34     Snap Ring     NT095-0041     1       35     Pad Retainer     NT095-0042     1	30	Н/К Кеу	NT09S-0037	1	#	79	Vacuum Adapter
32A         N109S-0039         1         #80           33         Washer         NT09S-0040         1           34         Snap Ring         NT09S-0041         1           35         Pad Retainer         NT09S-0042         1	31A	Ball Bearing	NT09S-0038	1		80	Bolt M5
33         N1095-0040         1           34         Snap Ring         NT095-0041         1           35         Pad Retainer         NT095-0042         1	32A	Dust Seal	NT09S-0039	1	#	80	Bolt M5
34     N1095-0041     1       35     Pad Retainer     NT095-0042     1	33	Washer	NT09S-0040	1			Non-Vac Viny Pad 93x17
35 Pad Retainer NT09S-0042 1 Central Vac. Exhaust Fitting	34	Snap Ring	NT09S-0041	1			Vac Viny Pad 10孔 93x17
#42 Central Vac. Exhaust Fitting NT09S-0057 1	35	Pad Retainer	NT09S-0042	1		81	Non-Vac Hook Pad 93x17
	#42	Central Vac. Exhaust Fitting	NT09S-0057	1			Vac Hook Pad 93x178
#44 Swivel Hose Adapter 25mm NT09S-0059 1 82	#44	Swivel Hose Adapter 25mm	NT09S-0059	1		82	Hex. Wrench

No.	Description	Part No.	Q'ty
	Swivel Hose Adapter 30mm	NT09S-0060	1
44	Swivel Hose Adapter 32mm	NT09S-0061	1
45	Snap Ring	NT09S-0062	1
51	Self-Gen. Vac. Retainer	NT09S-0063	1
52	O-Ring	NT09S-0064	2
53	Vacuum Hose	NT09S-0065	1
54	Dust Bag	NT09S-0066	1
55	Screw	NT09S-0067	2
56	Central Vac. Retainer	NT09S-0068	1
57	O-Ring	NT09S-0069	1
58	Swivel Muffler	NT09S-0070	1
59	Muffler	NT09S-0071	1
60	Plate	NT09S-0072	1
61	Snap Ring	NT09S-0073	1
62	Non-Vac Retainer	NT09S-0074	1
66	Fasten Ring	NT09S-0083	1
67	Skirt	NT09S-0084	1
58	Skirt Band	NT09S-0085	1
69	Washer	NT09S-0086	2
70	Plate	NT09S-0087	1
71	Clip	NT09S-0088	2
72	Сір Кеу	NT09S-0089	2
73	Spring	NT09S-0090	2
74	Spring Pin	NT09S-0091	2
75	Washer M8	NT09S-0092	1
76	Bolt	NT09S-0093	1
77	Screw	NT09S-0094	6
78	sq Nut	NT09S-0095	1
79	Vacuum Adapter	NT09S-0096	1
80	Bolt M5	NT09S-0097	4
80	Bolt M5	NT09S-0097	1
	Non-Vac Viny Pad 93x178mm	NT09S-0098	1
	Vac Viny Pad 10孔 93x178mm	NT09S-0099	1
81	Non-Vac Hook Pad 93x178	NT09S-0100	1
	Vac Hook Pad 93x178	NT09S-0101	1
			-

# Only for model with dust removal





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