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Effective March, 2006
Supersedes PD05•22

Dynafine® Sanders

Detail Sander/Backsplash/Finger/Wet/Raised Panel

Air Tool Manual – Safety, Operation and Maintenance

SAVE THIS DOCUMENT, EDUCATE ALL PERSONNEL

Models: (Sander)

57900 – 13,000 RPM, Detail Sander
57910 – Detail Sander Versatility Kit
57930 – 13,000 RPM, Finger Sander

Models: (Backsplash)

58000 – 13,000 RPM, Backsplash Sander
58010 – Backsplash Sander Versatility Kit

Model: (Wet)

57902 – 13,000 RPM, Wet Sander

Model: (Raised Panel)

57906 – 13,000 RPM, Raised Panel Pad Sander



Model **57900**

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⚠ WARNING

Read and understand this tool manual before operating your air tool. Follow all safety rules for the protection of operating personnel as well as adjacent areas. Always operate, inspect and maintain this tool in accordance with the American National Standards Institute (ANSI) Safety Code for Portable Air Tools – B186.1. For additional safety information, refer to Safety Requirements for the Use, Care and Protection of Abrasive Wheels – ANSI B7.1, Code of Federal Regulation – CFR 29 Part 1910, European Committee for Standards (EN) Hand Held Non-Electric Power Tools – Safety Requirements and applicable State and Local Regulations.

SAFETY LEGEND



⚠ WARNING

Read and understand tool manual before work starts to reduce risk of injury to operator, visitors, and tool.

⚠ WARNING

Practice safety requirements. Work alert, have proper attire, and do not operate tools under the influence of alcohol or drugs.





⚠ WARNING

Eye protection must be worn at all times, eye protection to conform to ANSI Z87.1.

⚠ WARNING

Ear protection to be worn when exposure to sound, exceeds the limits of applicable Federal, State or local statues, ordinances and/or regulations.





⚠ WARNING

Respiratory protection to be used when exposed to contaminants that exceed the applicable threshold limit values required by law.

⚠ WARNING

Air line hazard, pressurized supply lines and flexible hoses can cause serious injury. Do not use damaged, frayed or deteriorated air hoses and fittings.



⚠ WARNING

Some dust created by sanding, grinding, drilling, and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SAFETY INSTRUCTIONS

Carefully Read all instructions before operating or servicing any Dynabrade® Abrasive Power Tool.
Products offered by Dynabrade are not to be modified, converted or otherwise altered from the original design without expressed written consent from Dynabrade, Inc.

Tool Intent: Dynafine® Sanders are designed for finishing. Excellent for removing milling and machining marks from wood, solid surface and metal. Defect removal in painted surfaces and clear coats.

Do Not use tool for anything other than its intended applications.
This power tool is not intended for use in potentially explosive atmospheres and is not insulated against contact with electrical power.

Training: Proper care, maintenance, and storage of your tool will maximize its performance.

- Employer's Responsibility – Provide Dynafine® operators with safety instructions and training for safe use of tools and accessories.

(continued on next page)

SAFETY INSTRUCTIONS - Cont.

Accessory Selection:

- Abrasive/accessory RPM (speed) rating MUST be approved for AT LEAST the tool RPM rating.
- Before mounting an accessory, visually inspect for defects. Do not use defective accessories.
- Mount only recommended accessories. See back page of manual and Dynabrade literature.
- Follow tool specifications before choosing size and type of accessory.
- Only use recommended fittings and air line sizes. Air supply hoses and air hose assemblies must have a minimum working pressure rating of 150 PSIG (10 bars, g) or 150 percent of the maximum pressure produced in the system, whichever is higher. (See tool Machine Specifications table.)

OPERATING INSTRUCTIONS

Warning: Always wear personal protection equipment. Operator of tool is responsible for following: accepted eye, face, respiratory, hearing and body protection. Adjacent personnel must be protected from potential injury.

Caution: Hand, wrist and arm injury may result from repetitive work, motion and overexposure to vibration.

- Keep hand and clothing away from working end of the air tool.

Operation: Be sure that any loose clothing, hair and all jewelry is properly restrained.

- Secure inlet bushing on air tool with a wrench before attempting to install the air fitting to avoid damaging housing assembly.
- Check tool RPM (speed) with tachometer with air pressure set at 90 PSIG (6.2 Bars, g) while the tool is running. If tool is operating at a higher speed than the RPM marked on the tool housing, or operating improperly, the tool must be serviced and corrected before use.

Caution: Tool RPM must never exceed abrasive/accessory RPM rating. Check accessory manufacturer for details on maximum operating speed or special mounting instructions.

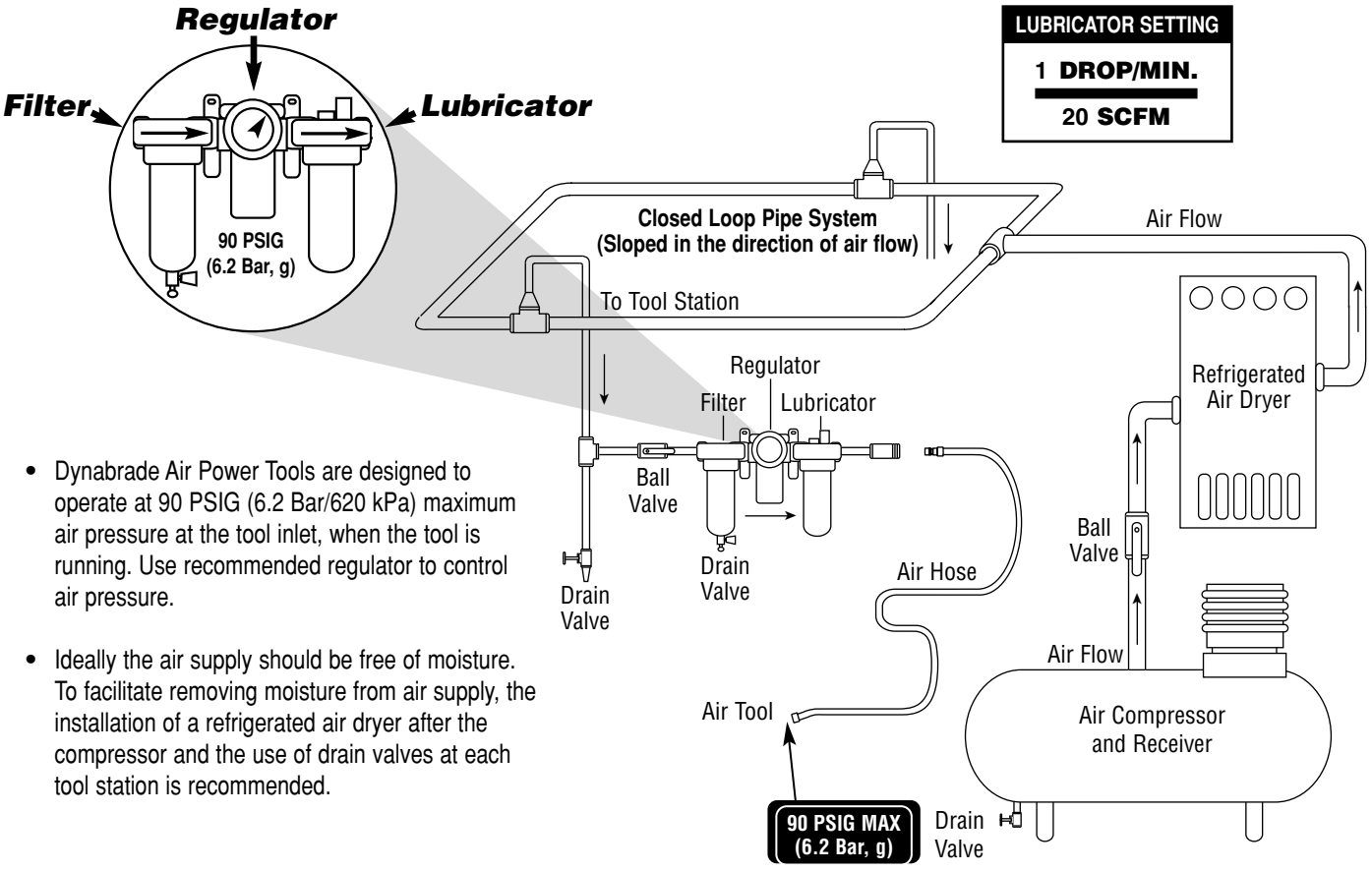
- With power source disconnected from air tool, mount recommended accessory.
- Connect air tool to power source. Be careful NOT to depress throttle lever in the process. **Do not expose air tool to inlet pressure above 90 PSIG or (6.2 Bars, g).**

Caution: After installing the accessory, the tool must be started at a reduced speed to check for good balance. Gradually increase tool speed. DO NOT USE if tool vibration is excessive. Correct cause, and retest to insure safe operation.

- Make sure that work area is uncluttered, and visitors are at a safe range from the tools and debris.
- Use a vise or clamping device to hold work piece firmly in place.
- Do not apply excessive force on tool or apply “rough” treatment to it.
- Always work with a firm footing, posture and proper lighting.

Report to your supervisor any condition of the tool, accessories, or operation you consider unsafe.

Air System



- Dynabrade Air Power Tools are designed to operate at 90 PSIG (6.2 Bar/620 kPa) maximum air pressure at the tool inlet, when the tool is running. Use recommended regulator to control air pressure.
- Ideally the air supply should be free of moisture. To facilitate removing moisture from air supply, the installation of a refrigerated air dryer after the compressor and the use of drain valves at each tool station is recommended.

Maintenance Instructions

Important:A preventative maintenance program is recommended whenever portable power tools are used.

- Use only genuine Dynabrade replacement parts to insure quality. To order replacement parts, specify **Model#**, **Serial#** and **RPM** of your air tool.
- It is strongly recommended that all Dynabrade rotary vane air tools be used with a Filter-Regulator-Lubricator to minimize the possibility of misuse due to unclean air, wet air or insufficient lubrication. Dynabrade recommends the following: **11411** Air Filter-Regulator-Lubricator (FRL) – Provides accurate air pressure regulation and two stage filtration of water contaminants. Operates 55 SCFM/1,558 LPM @ 90 PSIG (6.2 Bar, g) with 1/2" NPT female ports.
- Dynabrade recommends one drop of air lube per minute for each 20 SCFM/566 LPM (example: if the tool specification states 40 SCFM/1133 LPM, set the drip rate on the filter-lubricator to 2 drops per minute). Dynabrade Air Lube (P/N **95842**: 1 pt 473 ml) is recommended.

Routine Preventative Maintenance: Check free speed of tool using a tachometer. This tool should be speed checked on a regular basis.

- Mineral spirits are recommended when cleaning the tool and parts. Do not clean tool or parts with any solvents or oils containing acids, esters, ketones, chlorinated hydrocarbons or nitro carbons.
- DO NOT clean or maintain tools with chemicals that have a low flash point (example: WD-40®).
- A Motor Tune-Up Kit (P/N **96236**) is available which includes high wear and medium wear motor parts.
- Air tool labels must be kept legible at all times, if not, reorder label(s) and replace. User is responsible for maintaining specification information i.e.: Model #, S/N, and RPM. (See Assembly Breakdown)
- Blow air supply hose out prior to initial use.
- Visually inspect air hoses and fittings for frays, visible damage and signs of deterioration. Replace damaged or worn components.
- Refer to Dynabrade's Warning/Safety Operating Instructions Tag (Reorder No. **95903**) for safety information.

After maintenance is performed on tool, add a few drops of Dynabrade Air Lube (P/N **95842**) to the air line and start the tool a few times to lubricate air motor. Check for excessive tool vibration.

Handling and Storage:

- Use of tool rests, hangers and/or balancers is recommended.
- Protect tool inlet from debris (see Notice below).
- DO NOT carry tool by air hose or near the tool throttle lever.
- Protect abrasive accessories from exposure to water, solvents, high humidity, freezing temperature and extreme temperature changes.
- Store accessories in protective racks or compartments to prevent damage.

Machine Specifications

Model Number	Motor hp (W)	Motor RPM	Sound Level	Air Flow Rate CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57900	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)
57902	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)
57906	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	4-1/8 (107)
57910	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)
57930	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	11-3/4 (298)	4 (102)
58000	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)
58010	.15 (118)	13,000	65 dB(A)	3/20 (566)	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose Size 1/4" or 8 mm
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

Notice

All Dynabrade motors use the highest quality parts and metals available and are machined to exacting tolerances.The failure of quality pneumatic motors can most often be traced to an unclean air supply or the lack of lubrication.Air pressure easily forces dirt or water contained in the air supply into motor bearings causing early failure.It often scores the cylinder walls and the rotor blades resulting in limited efficiency and power.Our warranty obligation is contingent upon proper use of our tools and cannot apply to equipment which has been subjected to misuse such as unclean air, wet air or a lack of lubrication during the use of this tool.

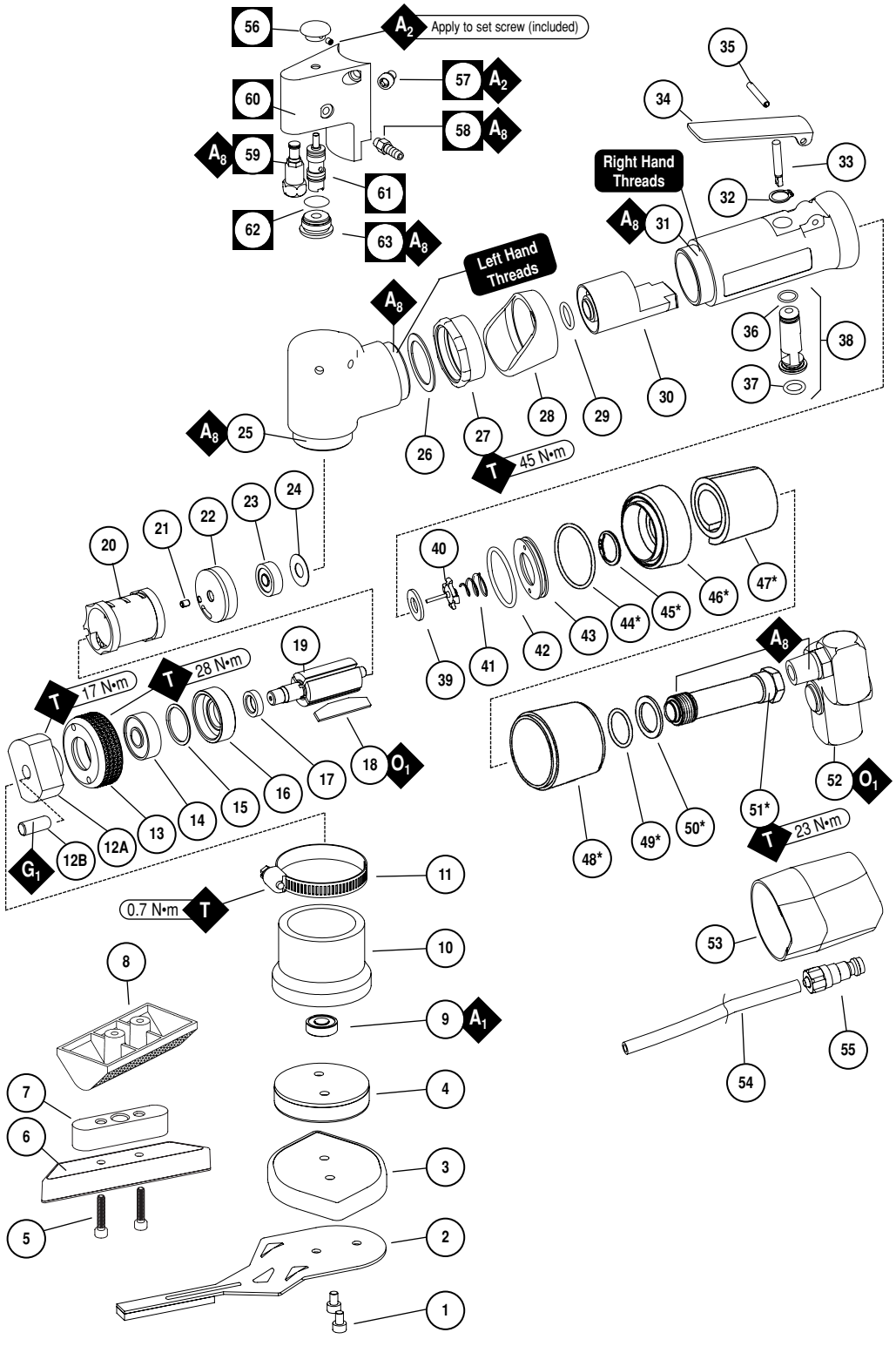
One Year Warranty

Following the reasonable assumption that any inherent defect which might prevail in a product will become apparent to the user within one year from the date of purchase, all equipment of our manufacture is warranted against defects in workmanship and materials under normal use and service.We shall repair or replace at our factory, any equipment or part thereof which shall, within one year after delivery to the original purchaser, indicate upon our examination to have been defective.Our obligation is contingent upon proper use of Dynabrade tools in accordance with factory recommendations, instructions and safety practices.It shall not apply to equipment which has been subject to misuse, negligence, accident or tampering in any way so as to affect its normal performance.Normally wearable parts such as bearings, contact wheels, rotor blades, etc., are not covered under this warranty.

.4 hp Dynafine® Sander
Complete Assembly

Index Key

No.	Part #	Description
1	**97328**	Screw (2)
	95264	Screw (2) Model: 58000 ONLY
2	**57932**	3/8" Sanding Arm
3	**57953**	Hook-Face Pad
4	**58030**	2" Vinyl Face Pad
	58032	3" Vinyl Face Pad
5	**96296**	Screw (2)
6	**57956**	Raised Panel Pad
7	**98292**	Pad Adapter
8	**58013**	Pad Mount
9	**11016**	Bearing
10	**57975**	Boot Assembly
11	**97326**	Boot Clamp
12A	**58095**	Cam Assy. (Includes: **96238** Pin)
12B	**96238**	Pin
13	**57962**	Exhaust Cover
14	**02649**	Bearing
15	**54529**	Shim Pack (3/pkg.)
16	**02038**	Front Bearing Plate
17	**01479**	Spacer
18	**01480**	Blades (4/pkg.)
19	**02037**	Rotor
20	**01476**	Cylinder
21	**50767**	Pin
22	**02673**	Rear Bearing Plate
23	**02696**	Bearing
24	**02679**	Shield
25	7" **Housing**	
	01546	Standard
	57779	Wet
26	**01548**	Gasket
27	**01461**	Lock Nut
28	**01558**	Collar
29	**95523**	O-Ring
30	**01470**	Insert
31	**Housing**	
	57934	Model: 57900
	57936	Model: 57902
	57917	Model: 57906
	57934	Model: 57910
	57843	Model: 57930
	30737	Model: 58000
	30738	Model: 58010
32	**95558**	Retaining Ring
33	**01449**	Valve Stem
34	**01448**	Throttle Lever
	01462	Safety Lock Lever
35	**12132**	Pin
36	**95730**	O-Ring
37	**01024**	O-Ring
38	**01469**	Speed Regulator Assembly (Includes: 95730, 01024 O-Ring)
39	**01464**	Seal
40	**01472**	Tip Valve
41	**01468**	Spring
42	**96065**	O-Ring
43	**57970**	Air Control Ring
44*	**95438**	O-Ring
45*	**95711**	Retaining Ring
46*	**94521**	Muffler Cap
47*	**94528**	Felt Muffler
48*	**94522**	Muffler Cap
49*	**95375**	O-Ring
50*	**94526**	Spacer
51*	**94523**	Inlet Adapter
52	**94407**	1/4" Flow Control Valve
53	**10293**	Shrink Tube
54	**95955**	10' Tubing
55	**95962**	Quick Disconnect
56	**57751**	Button (w/set screw)
57	**97327**	Screw (2)
58	**95074**	Hose Fitting
59	**57728**	Nozzle
60	**57778**	Bracket
61	**57727**	Valve Cartridge
62	**95523**	O-Ring
63	**56076**	Throttle Valve



Parts Included in **57777** Wet Assembly

*** Note:** All parts indicated by an asterisk are included in **94519** Muffler Assembly.

KEY

- **O** Oil: **O_1 = Air Lube**
- **A** Adhesive: **A_1 = Loctite #609**, **A_2 = Loctite #271**, **A_8 = Loctite #567**
- **T** Torque: **N•m x 8.85 = In. - lbs.**
- **G** Grease: **G_1 = Lubriplate 630 AA**

Disassembly/Assembly Instructions - .4 hp Dynafine® Tools

Important: The Manufacturing Warranty is void if the tool is disassembled before the warranty expires, by anyone other than a Dynabrade® Approved Repair Technician. Notice: A 96236 Motor Tune-Up Kit is available. Also, the special repair tooling referred to in these instructions can be ordered through your Dynabrade® Distributor. Please refer to this tool manual for correct part number identification.

Important: Always follow these steps before servicing any part of this air tool.

1. Shut off the air supply, and depress throttle lever to dissipate the remaining air. Carefully disconnect the tool from the air supply hose.

Motor Disassembly:

1. Place the **52296** Repair Collar around the **01546**/**57779** Housing and hold the sander in a vise with the sanding attachment facing up.
2. Use the **95266** Hex Key (3 mm) to remove the sanding attachment.
3. Loosen and remove the **95884** Boot Clamp and boot assembly.
4. Use an adjustable 3 mm pin spanner wrench or the **50971** Lock Ring Tool to loosen the **57962** Exhaust Cover by turning it counterclockwise.
5. Pull the air motor out of the **01546**/**57779** Housing. Fasten the **96346** Bearing Separator (2") around the portion of the **01476** Cylinder that is closest to the rear bearing plate.
6. Place the bearing separator and the air motor on the table of the **96232** Arbor Press (#2) so that the cam assembly is pointing down.
7. Remove the **02679** Shield from the **02696** Bearing.
8. Use a 3/16" or 4 mm diameter flat end drive punch as a press tool to push the rotor out of the **02696** Bearing.
9. Remove the cylinder and vanes.
10. Use the **96210** Bearing Removal Tool and the arbor press to remove the **02696** Bearing from the **02673** Rear Bearing Plate.
11. Hold the vane slot portion of the rotor in a vise with aluminum or bronze jaws so that the cam assembly is pointing up.
12. Use an adjustable open-end wrench to remove the cam assembly by turning it counterclockwise.
13. Remove the **02649** Bearing, **01478** Front Bearing Plate, **54529** Shims and **01479** Spacer from the rotor.

Motor Disassembly Complete.

Valve Disassembly:

1. Place the **52296** Repair Collar around the **01546**/**57779** Housing and hold the tool in a vise so that the inlet adapter is pointing up.
2. Use two wrenches, one to hold the inlet adapter stationary and the other to remove the air fitting.
3. Remove the inlet adapter by turning it counterclockwise. **Note:** Refer to the exploded view of the muffler to identify components and their order of disassembly.
4. Use needle nose pliers to remove the **01468** Spring and the **01472** Tip Valve. Use a small screwdriver to remove the **01464** Seal.
5. Use a 2.5 mm diameter drive punch to remove the **12132** Pin, and throttle lever. Remove the **01449** Valve Stem.
6. Use retaining ring pliers to remove the **95558** Retaining Ring and the **01469** Speed Regulator Assembly from the housing.

Valve Disassembly Complete.

Important: Clean and inspect all parts before assembling.

Valve Assembly:

1. Install the **01469** Speed Regulator Assembly (with o-rings) into the **01546**/**57779** Housing and hold it in place with the **95558** Retaining Ring.
2. Position the **52296** Repair Collar around the **01546**/**57779** Housing and hold the tool in a vise so that the **12132** Pin, throttle lever, and **01449** Valve Stem can be installed.
3. Position the **52296** Repair Collar around the **01546**/**57779** Housing and hold the tool in a vise so that the air inlet opening is pointing up.
4. Install the **01464** Seal into the air inlet so that it is laying flat.
5. Use needle nose pliers to install the **01472** Tip Valve so that the metal pin passes through the hole in the **01449** Valve Stem.
6. Install the **01468** Spring so that the smaller end of the spring fits against the back of the tip valve.
7. Apply a small amount of the Loctite® #567 (or equivalent) to the external threads of the inlet adapter and install it into the valve housing. **Note:** Refer to the exploded view of the muffler to identify components and their order of assembly.
8. Use two wrenches, one to hold the inlet adapter stationary and the other to install the air fitting.

Valve Assembly Complete.

Motor Assembly:

1. Hold the vane slot portion of the rotor in a vise with aluminum or bronze jaws so that the threaded spindle is pointing up.
2. Install the **01479** Spacer onto the rotor.
3. Select .003" (.08 mm) thickness in shims from the **54529** Shim Pack and install shims into the **02038** Front Bearing Plate.
4. Install the **02649** Bearing into the front bearing plate and onto the rotor.
5. Install the **57962** Exhaust Cover and the **58095** Cam Assembly onto the rotor. (Torque to 17 N•m/150 in. lbs.)

(continued on next page)

Disassembly/Assembly Instructions - .4hp Dynafine® Tools (Cont.)

6. Use a .001"(0.3mm) thick feeler gauge to check the clearance between the front bearing plate and the face of the rotor.
7. The clearance should be .001"-.0015" (0.3-0.4mm).
   Note: If the clearance needs adjustment, repeat steps 2-5 adding or removing shims as required.
8. Lubricate the **01480** Vanes with the **95842** Dynabrade® Air Lube 10W/NR (or equivalent) and install these into the rotor.
9. Install the **01476** Cylinder over the rotor so that the air inlet opening of the cylinder will line up with the air inlet opening in the **02673** Rear Bearing Plate.
10. Use the raised outer diameter of the **96216** Bearing Press Tool and the arbor press to install the **02696** Bearing into the **02673** Rear Bearing Plate.
11. Use the raised inner diameter of the **96216** Bearing Press Tool and the arbor press to install the bearing/plate onto the rotor.
    Note: Carefully press the bearing/plate down until it just touches the cylinder. This will establish a snug fit between the bearing plates and the cylinder.
12. Apply a small amount of light grease to the seal of the **02696** Bearing and adhere the **02679** Shield against the bearing.
13. Carefully slide the motor assembly into the **01546**/**57779** Housing.
14. Apply a small amount of the Loctite® #567 (or equivalent) to the threads of the **01546**/**57779** Housing.
15. Use a 3mm adjustable pin spanner wrench or the **50971** Lock Ring Tool to tighten the exhaust cover onto the **01546**/**57779** Housing. (Torque to 28N•m/250 in. lbs.)
16. Install the **57975** Clamp onto the boot assembly.
17. Install the boot assembly with the clamp, aligning them on the **57962** Exhaust Cover. Tighten the clamp. (Torque to 7N•m/6 in. lbs.)
18. Use the **95266** Hex Key (3mm) to install the sanding attachment.

Motor Assembly Complete.

Tool Assembly Complete. Please allow 30 minutes for adhesives to cure before operating tool.
Important: Before operating , place 2-3 drops of Dynabrade Air Lube (P/N **95842**) directly into inlet with throttle lever depressed. Operate tool for 30 seconds to allow air lube to properly lubricate internal motor components. Motor should now be tested for proper operation at 90 PSIG (6.2 Bar, g) max. If tool operates at a higher RPM than marked on the tool or if vibration and sound levels seem abnormal, the tool should be serviced to correct the cause before use.

Throttle Positioning Procedure:

Important: Carefully perform this procedure so as not to entirely separate the 01546 Housing from the valve housing. Loosen the 01461 Lock Nut only enough to make the desired throttle lever adjustment.

1. Place the **52296** Repair Collar around the valve housing and hold it in a vise so that the **01546**/**57779** Housing is pointing up.
2. Slip the **01558** Collar down onto the valve housing to expose the **01461** Lock Nut.
3. With a firm hold on the **01546**/**57779** Housing use a 34mm or an adjustable wrench to turn the lock nut clockwise to loosen the **01546**/**57779** Housing from the valve housing.
4. Orient the throttle lever to the operators desired grip and positioning. **Note:** Allow for additional rotation of the **01546**/**57779** Housing as the **01461** Lock Nut is tightened.
5. Grasp the **01546**/**57779** Housing firmly to reduce its rotation. Use a 34mm or an adjustable wrench to tighten the **01461** Lock Nut. Torque to 45 N•m/400 lbs. in.
6. Slip the **01558** Collar back over the **01461** Lock Nut.

Throttle Positioning Procedure Complete.

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Preventative Maintenance Schedule

For All .4hp Dynafine® Sanders

This service chart is published as a guide to expectant life of component parts. The replacement levels are based on average tool usage over one year. Dynabrade Inc. considers one year usage to be 1,000 hours.

LEGEND	
T	Included in Tune-Up Kit.
X	Type of wear, no other comments apply.
L	Easily lost. Care during assembly/disassembly.
D	Easily damaged during assembly/disassembly.
R	Replace each time tool is disassembled.



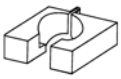
96236 – Motor Tune-Up Kit

Note: Please refer to page 4 of tool manual for specific part number.

Index #	Part Number	Description	Number Required	High Wear 100%	Medium Wear 70%	Low Wear 30%	Non-Wear 10%
1	See Note	Screw	2			L	
2	57932	3/8" Sanding Arm	1				X
3	57953	Hook-Face Pad	1		X		
4	See Note	Vinyl Face Pad	1		X		
5	96296	Screw	2			L	
6	57956	Raised Panel Pad	1		X		
7	98292	Pad Adapter	1				X
8	58013	Pad Mount	1			X	
9	11016	Bearing	1	T			
10	57975	Boot Assembly	1			X	
11	97326	Boot Clamp	1			X	
12	58095	Cam Assembly	1				X
13	57962	Exhaust Cover	1				X
14	02649	Bearing	1		X		
15	54529	Shim Pack (3/pkg.)	1		D		
16	02038	Front Bearing Plate	1			X	
17	01479	Spacer	1			L	
18	01480	Blades	4	T			
19	02037	Rotor	1			X	
20	01476	Cylinder	1			X	
21	50767	Pin	1			X	
22	02673	Rear Bearing Plate	1			X	
23	02696	Bearing	1		T		
24	02679	Shield	1		T		
25	See Note	Housing	1			X	
26	01548	Gasket	1			T	
27	01461	Lock Nut	1				X
28	01558	Collar	1			D	
29	95523	O-Ring	1			T	
30	01470	Insert	1				X
31	See Note	Housing	1				X
32	95558	Retaining Ring	1		T		
33	01449	Valve Stem	1			T	
34	See Note	Lever	1			X	
35	12132	Pin	1			T	
36	95730	O-Ring	1			X	
37	01024	O-Ring	1			X	
38	01469	Speed Regulator Assy.	1			T	
39	01464	Seal	1			T	
40	01472	Tip Valve	1			T	
41	01468	Spring	1			T	
42	96065	O-Ring	1			T	
43	57970	Air Control Ring	1				X
44*	95438	O-Ring	1			T	
45*	95711	Retaining Ring	1			T	
46*	94521	Muffler Cap	1			D	
47*	94528	Felt Muffler	1		T		
48*	94522	Muffler Base	1			D	
49*	95375	O-Ring	1			T	
50*	94526	Spacer	1				X
51*	94523	Inlet Adapter	1				X
52	94407	1/4" Flow Control Valve	1			X	
53	10293	Shrink Tube	1		X		
54	95955	10' Tubing	1		X		
55	95962	Quick Disconnect	1			X	
56	57751	Button (w/set screw)	1			X	
57	97327	Screw	2				X
58	95074	Hose Fitting	1			X	
59	57728	Nozzle	1			X	
60	57778	Bracket	1			X	
61	57727	Valve Cartridge	1			X	
62	95523	O-Ring	1			X	
63	56076	Throttle Valve	1			X	

Optional Accessories

FIND THE MOST CURRENT OFFERING OF ACCESSORIES AND SUPPORT DOCUMENTS @ WWW.DYNABRADE.COM



52296 Repair Collar

- Specially designed collar for use in vise to prevent damage to valve body housing during disassembly/assembly.



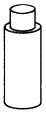
50971 Lock Ring Tool

- Lock Ring Tool has a 3/8 in. square socket for use with 3/8 in. drive; breaker bar, ratchet head, or torque wrenches.



96236 Motor Tune-Up Kit

- Includes assorted parts to help maintain and repair motor.



96210 Bearing Removal Tool

- This tool is used to pass through the I.D. of the bearing plate and to push against the I.D. of the bearing.



96216, 96243, 96244
Bearing Press Tools

- These tools are used to safely press a bearing plate or onto a shaft.



96346 Bearing Separator

- Use the separator to remove bearings and gears.



Dynabrade Air Lube

- For pneumatic equipment.
- Absorbs up to 10% of its weight in water.
- Prevents rust and formation of sludge.

95842: 1pt. (473 ml)
95843: 1 gal. (3.8 L)



96232 #2 Arbor Press

- This arbor press is ideal for the disassembly and assembly of air motors.

Reference Contact Information

1. **American National Standards Institute – ANSI**
   25 West 43rd Street
   Forth Floor
   New York, NY 10036
   Tel: 1 (212) 642-4900
   Fax: 1 (212) 398-0023
2. **Government Printing Office – GPO**
   Superintendent of Documents
   Attn. New Orders
   P.O. Box 371954
   Pittsburgh, PA 15250-7954
   Tel: 1 (202) 512-1803
3. **Eurpoean Committee for Standardization**
   Rue de Stassart 36
   B - 1050 Brussels, Belgium

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