

1hp Vacuum Die Grinder

Trimmable Shroud/Straight Line/Rear Exhaust

Air Tool Manual – Safety, Operation and Maintenance

SAVE THIS DOCUMENT, EDUCATE ALL PERSONNEL

Models:

56743 – 12,000 RPM

– 1/4" & 6 mm Collet

56747 – 20,000 RPM, 1/4" Collet

– 1/4" & 6 mm Collet



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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 Safety 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 statutes, 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: 1 hp Vacuum Die Grinder is ideal for deburring, deflashing, surface preparation, cleaning and finishing using the proper abrasive stones, abrasive mounted wheels and points, molded abrasives, and carbide burrs. An appropriate external vacuum source is required that is suitable for material being processed.

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 air tools will maximize their performance.

- Employer's Responsibility – Provide 1 hp Vacuum Die Grinder operators with safety instructions and training for safe use of tools and accessories.

(continued on next page)

SAFETY INSTRUCTIONS (Continued)

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.
- Use only accessories of the correct shaft size for the collet (example: 1/4" shaft = 1/4" collet).
- Use only recommended accessories. Reference Dynabrade catalog and this tool manual.
- Follow tool specifications before choosing size and type of accessory.
- Only use recommended fittings and air line sizes. Air supply hoses and air hose accessories must have a minimum working pressure of 150 PSIG (10 Bars) 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 protective equipment. Operator of tool is responsible for following: accepted eye, face, respiratory, hearing and body protection.

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.
- Working end of tool has a potential of cutting and severing.

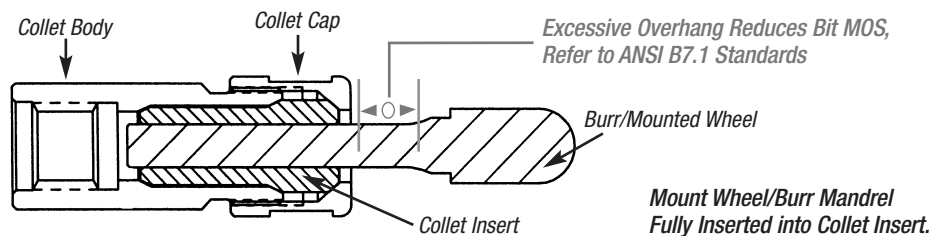
Operation: Be sure that any loose clothing, hair and all jewelry is properly restrained.

- Secure inlet bushing on air tool with a wrench before attempting to install the air fitting to avoid damaging housing assembly.
- BEFORE MOUNTING AN ACCESSORY, after all tool repairs and whenever a 1 hp Vacuum Die Grinder is issued for use, check tool RPM (speed) with tachometer with air pressure set at 90 PSIG 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.
- Before mounting an accessory regularly clean and inspect collet assembly parts for wear or damage. Do Not use worn or damaged components.

Caution: Tool RPM must never exceed abrasive/accessory RPM rating. Check accessory manufacturer for details on maximum operating speed or special mounting instructions. Improper mounting of an accessory may cause excessive vibration levels or damage the accessory. Make sure no one is in the unguarded plane of the accessory. Run tool for 1 minute of operating speed in a protected area.

PROPER MOUNTING PROCEDURE

Warning: With Power Source Disconnected from the Tool, Remove Shroud Assembly by Loosening Clamp. Remove/Mount Correctly Rated Accessory. Replace Shroud Assembly and Tighten Clamp.



- 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).**

Caution: After installing the accessory, before testing or use and/or after assembling tool, the 1 hp Vacuum Die Grinder 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. Test tool at its free speed (RPM) in a protected area for at least one minute before applying the tool to the work.

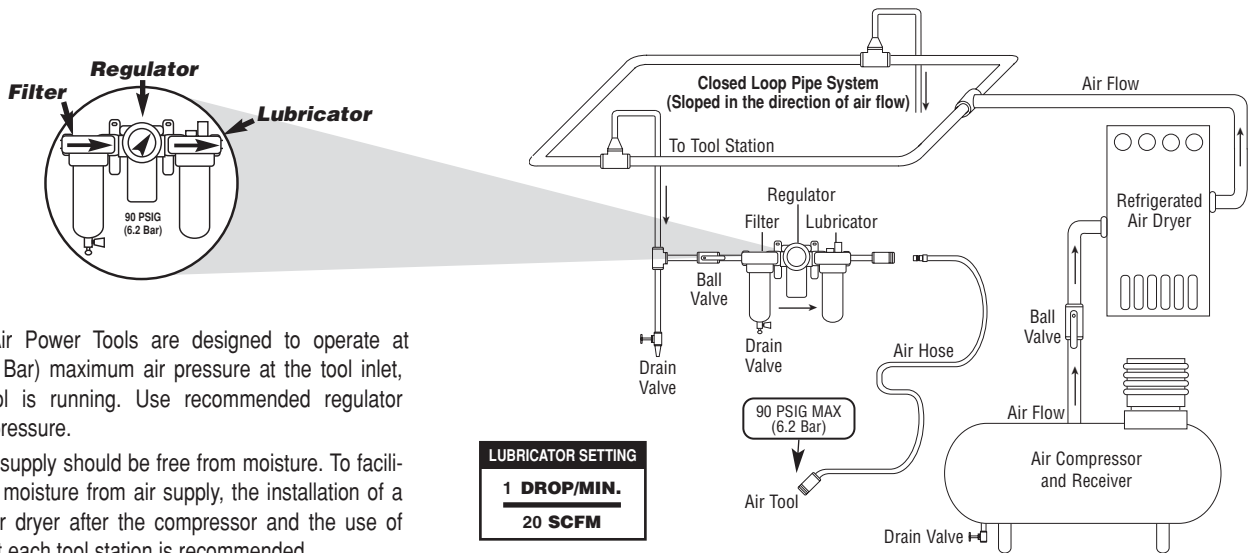
- Release throttle lever when air supply is interrupted.
- Make sure that work area is uncluttered, and visitors are at a safe range from the tools and debris.
- Air tools are not intended for use in explosive atmospheres and are not insulated for contact with electric power sources.
- Use a vise or 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.
- Ensure that sparks and debris resulting from work does not create a hazard.
- This tool is rear exhaust. Tool exhaust may contain lubricants, vane material, bearing grease, and other materials flushed thru the tool.

Warning: Grinding certain materials can create explosive dust. It is the employers responsibility to notify the user of acceptable dust levels.

- Grinding can cause sparks which can cause fires or explosions. It is the users responsibility to make sure the work area is free of flammable materials.
- DO NOT USE cut-off wheels or router bits on this tool.
- Always use dust extraction or suppression systems and personal protective equipment which are suitable for the materials being processed.
- Trimming shroud: vacuum shroud sleeve maybe cut/trimmed or removed to suit application.

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) 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 from 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: To keep tool safe a Preventative Maintenance Program is recommended whenever portable power tools are used. The program should include inspection of air supply lines, air line pressure, proper lubrication and repair of tools. Refer to ANSI B186.1 for additional maintenance information.

- Use only genuine Dynabrade replacement parts to ensure 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: **10681** Air Line Filter-Regulator-Lubricator — Provides accurate air pressure regulation, two-stage filtration of water contaminants and micro-mist lubrication of pneumatic components. Delivers up to 55 SCFM/1,558 LPM @ 145 PSIG/9.7 Bar (Max. Air Temperature of 140°F/60° C) **Note:** Two (2) 3/8" NPT Reducer Bushings are included.
- Dynabrade recommends one drop of air lube per minute for each 20 SCFM (example: if the tool specification states 40 SCFM, 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 regularly using a tachometer without the accessory mounted. After all tool repairs and whenever a 1 hp Die Grinder is issued for use, check tool RPM (speed) with tachometer with air pressure set at 90 PSIG while the tool is running. If tool is operating at a higher speed than the RPM marked on the tool housing, operating improperly or demonstrates unusual vibration, the tool must be serviced and corrected before use.
- Inspect accessories before mounting. Do not mount accessories that are damaged or nicked.
- Check accessory - speed rating. Rating on accessory must be greater than the tool speed marked on the housing.
- If accessory breakage occurs, investigate to determine the cause and correct before issuing tool for work.
- 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 **96532**) is available which includes high wear and medium wear motor parts.
- Air tool markings must be kept legible at all times, if not, reorder housing 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 tool vibration before mounting accessory.

Handling and Storage:

- Use of tool rests, hangers and/or balancers is recommended.
- Protect tool inlet from debris (see Notice on Page 6).
- DO NOT carry tool by air hose or near the tool throttle lever.
- Protect tool from exposure to water, solvents, high humidity, freezing temperature and extreme temperature changes.
- DO NOT USE accessories that have been dropped or show signs of cracks, nicks or other defects.
- Store accessories in protective racks or compartments to prevent damage.

1 hp Vacuum Die Grinder Complete Assembly Breakdown

Index Key

No.	Part #	Description
1	02288	Vacuum Shroud Sleeve
2	02287	Vacuum Shroud Base
3	97029	Hose Clamp
4	50012	Collet Cap
5	50013	Collet Insert (1/4")
	50016	Collet Insert (6 mm)
6	51961	Housing Cover
7	96498	Wave Spring
8	95438	O-Ring
9	53620	Motor Adapter
10	50011	Collet Body
11	54520	Bearing
12	51951	Shim Pack
13	51922	Front Bearing Plate
14	96441	Pin (2)
15	51927	Rotor Spacer
16	51921	Rotor
17	51926	Blade (4/pkg.)
18	51925	Cylinder
19	51923	Rear Bearing Plate
20	02057	Bearing
21	96445	Pin (2)
22	51924	Gasket
23	Governor Assembly	
	51930	12,000 RPM
	51933	20,000 RPM
24	Housing	
	06050	- Model 56743
	06048	- Model 56747
25	96444	Pin
26	51949	Safety Lever Assembly
27	51946	Valve Stem Assembly (Incl. 96443 O-Ring)
28	51945	Valve Seat
29	51944	Tip Valve
30	51943	Spring
31	96442*	O-Ring
32	51940*	Spacer
33	53682*	Gasket
34	94528*	Felt Silencer
35	53686*	Muffler Cap
36	94924*	Wave Spring
37	53683*	Spacer
38	53681*	Inlet Bushing (Incl. 51938 (2) screens)
39	97180	Hose Cuff
40	31942	Hose
41	97161	Vacuum Hose Retainer
42	31907	Swivel Hose Cuff

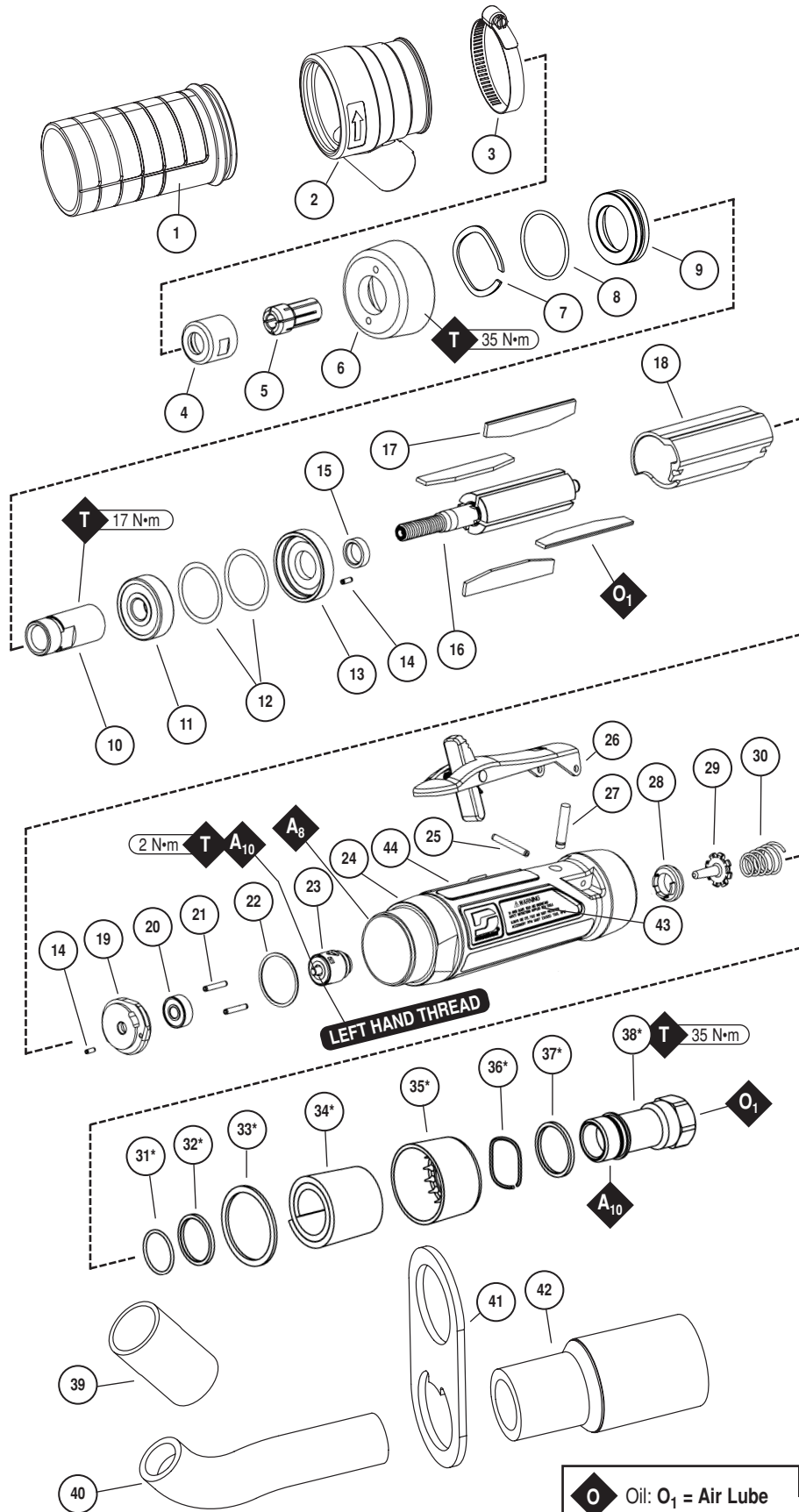
Label Key

No.	Part #	Description
43	00001180	Warning Label
44	00001181	Specification Label

* Parts Included in 53655
Muffler Assembly.



95262 - 14mm open-end.
95281 - 19mm open-end.



KEY	
O	Oil: O ₁ = Air Lube
A	Adhesive: A ₈ = Loctite #567 A ₁₀ = Loctite #243
T	Torque: N·m x 8.85 = In. - lbs.

Disassembly Instructions - 1 hp Vacuum Die Grinders

Disassembly/Assembly Instructions - 1Hp/Straightline/ Rear Exhaust/Vacuum Die Grinders.

Important: The Dynabrade Pneumatic Power Tool Lifetime Warranty Policy does NOT cover normally wearable parts and products. Before servicing this tool please contact Dynabrade Inc. or a Dynabrade Subsidiary for information regarding the Dynabrade Pneumatic Power Tool Lifetime Warranty Policy. Notice: Special repair tooling referred to in these instructions can be ordered from Dynabrade. (See Page 8)

Disconnect the die grinder from the air supply.

Motor Disassembly:

1. Loosen the clamp and remove the shroud.
2. Remove **50012** Collet Cap and collet insert.
3. Secure front end of housing in a soft (aluminum or bronze jaw) vise, align the vise jaws with machined flat on the silver ring.
4. Using **50971** Pin Wrench (**order separately**) or an adjustable pin wrench, remove **51961** Housing Cover.
5. Remove remaining assembly from vise.
6. Remove **96498** Wave Spring.
7. Pull Motor Assembly from housing assembly, and remove **53620** Motor Adapter with **95438** O-Ring.
8. Remove Governor Assembly by using a slotted screw driver. (**LEFT HAND** thread)
9. Secure **51925** Cylinder and place a 1/8" (3mm) drift pin to the base of the internal thread and press the **51921** Rotor from the **02057** Rear Bearing.
10. Slide **02057** Rear Bearing from **51923** Rear Bearing Plate.
11. Remove **51925** Cylinder and **51926** Blades.
12. Secure **51921** Rotor in a soft (aluminum or bronze jaw) vise and remove **50011** Collet Body (twist counterclockwise).
13. Slide **51922** Front Bearing Plate and **51927** Rotor Spacer from **51921** Rotor.
14. Slide **54520** Bearing and shims from **51922** Front Bearing Plate.

Motor Disassembly Complete.

Housing Disassembly:

1. Secure housing using **51989** Repair Collar (**order separately—see back cover for Optional Accessories**).
2. Remove **53681** Inlet Bushing (twist counterclockwise).
3. Remove **51944** Tip Valve and **51945** Valve Seat.

Disassembly Complete.

Assembly Instructions - 1 hp Vacuum Die Grinders

Motor Assembly:

Important: Be sure parts are clean and in good repair before assembling. Follow grease, oil and torque specifications.

1. Place **51921** Rotor into a padded vise with male thread facing upwards.
2. Slip **51927** Rotor Spacer over rotor shaft and down against rotor body face.
3. Press **96441** Coiled Pin into **51922** Front Bearing Plate. Make certain, coiled pin does not protrude beyond internal bearing surface.
4. Place a .002" Shim into the base of **51922** Front Bearing Plate as an initial spacing and slide **54520** Bearing to the front plate base.
Note: **51951** Shim Pack contains .001" and .002" Shims.
5. Slip bearing/bearing plate assembly onto rotor, torque **50011** Collet Body onto rotor shaft to 17 N•m (150 lb.-in.).
6. Check clearance between rotor and front bearing plate by using a .001" feeler gauge. Clearance should be between .001" - .0015". Adjust clearance by repeating steps 4 and 5 with different shims if necessary.
7. Once proper rotor gap clearance is achieved, install well lubricated **51926** Blades (4) into rotor slots. Dynabrade recommends lubricating blades with **95842** Air Lube. **Important:** Make certain beveled edge of blade follows rotor outside diameter.
8. Install **51925** Cylinder over rotor and front plate raised boss. Align coiled pin on front plate to cylinder slot.
9. Press **96441** Coiled Pin into blind hole on **51923** Rear Bearing Plate. Press (2) **96445** Coiled Pins into the back side of rear bearing plate.
10. Peel backing off **51924** Gasket and align it firmly in place onto **51923** Rear Bearing Plate.
11. Place **51923** Rear Bearing Plate over rotor mandrel and insert raised boss on rear bearing plate into cylinder diameter, while inserting short coiled pin into cylinder slot. Be sure inlet slot on rear bearing plate line up with inlet slot on cylinder. Flip cylinder end to end and repeat step 8 for correct assembly.
12. Press **02057** Bearing onto rotor and into **51923** Rear Bearing Plate hole until it is seated. **Important:** While pressing **02057** Bearing, make certain to contact inner race of bearing. Cylinder must fit snug between bearing plates. If too tight, rotor will not turn freely. Rotor must be lightly tapped at press fit end until rotor spins freely while still maintaining a snug fit. A loose fit will not achieve the proper preload on motor bearings.
13. Add one drop of Loctite® 243 (or equiv.) to governor assembly male thread and screw governor assembly into place (**LEFT HAND** thread) with a slotted screw head. Torque to 2 N•m (18 lb.-in.).
14. Install motor assembly into housing, making sure motor drops all the way into housing. **Note:** Align both **96445** Coiled Pins to slots in insert and against **51924** Gasket.
15. Install **95438** O-Ring onto **53620** Adapter and slide adapter into housing and over **54520** Bearing.
16. Place **96498** Wave Washer onto **53620** Adapter.
17. Apply a small amount of Loctite® 567 to housing thread, and install **51961** Housing Cover using **50971** Pin Wrench (**ordered separately**) or an adjustable pin wrench. Torque cover to 35 N•m (310 lb.-in.).
18. Install collet insert and **50012** Collet Cap.
19. Install the shroud and secure it with the clamp.

Motor Assembly Complete.

(continued on next page)

Assembly Instructions - (Continued)

Housing Assembly:

1. Secure housing using **51989** Repair Collar (*see back cover for Optional Accessories*) with collet facing down.
2. Install **51945** Valve Seat by aligning 3 male prongs with three deep slots on insert. Make certain valve seat is pressed flat against base of pocket.
Note: Add a few drops of Dynabrade Air Lube (P/N **95842**) to pocket walls before inserting **51945** Valve Seal.
3. Install **51944** Tip Valve as shown.
4. Apply one drop of Loctite® 243 (or equiv.) to **53681** Inlet Bushing thread.
5. Align small inside diameter of **51943** Spring to cone point on **51944** Tip Valve and thread **53681** Inlet Bushing and sub-assembly into place. Torque bushing to 35 N•m (310 lb.-in.).
6. Replace **97180** Hose Cuff, **97161** Hose Retainer and **31907** Swivel Cuff onto tool.
7. Slide **96443** O-Ring onto **51946** Valve Stem and slide sub-assembly until o-ring passes through housing hole. Make certain valve stem assembly slides freely after the o-ring passes through the hole.
8. Remove housing from **51989** Repair Collar and place repair collar onto the bench top with the part number identifier against the bench. Align the throttle lever holes to housing pin hole and rest the housing and throttle lever onto the legs of the repair collar. Press **96444** Coiled Pin into lever hole and center into housing.

Tool Assembly Complete. Please allow 30 minutes for adhesives to cure before operating tool.

Important: Before operating, places 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 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.

Loctite® is a registered trademark of Loctite Corp.

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.

Lifetime Warranty

All Dynabrade portable pneumatic power tools are rigorously inspected and performance tested in our factory before shipping to our customers. If a Dynabrade tool develops a performance problem and an inherent defect is found during normal use and service, Dynabrade will warrant this tool against defects in workmanship and materials for the lifetime of the tool. Upon examination and review at our factory, Dynabrade shall confirm that the tool qualifies for warranty status, and will repair or replace the tool at no charge to the customer. Normally wearable parts and products are NOT covered under this warranty. Uncovered items include bearings, contact wheels, rotor blades, regulators, valve stems, levers, shrouds, guards, O-rings, seals, gaskets and other wearable parts. Dynabrade's warranty policy is contingent upon proper use of our tools in accordance with factory recommendations, instructions and safety practices. It shall not apply to equipment that has been subjected to misuse, negligence, accident or tampering in any way so as to affect its normal performance. To activate lifetime warranty, customer must register each tool at www.dynabrade.com. Dynabrade will not honor lifetime warranty on unregistered tools. A one-year warranty will be honored on all unregistered portable pneumatic power tools. Lifetime warranty applies only to portable pneumatic tools manufactured by Dynabrade, Inc. in the USA. Lifetime warranty applies only to the original tool owner; warranty is non-transferable.

Machine Specifications

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Collet Insert Size	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
56743	1 (744)	12,000	77 dB(A)	38 (1085)	1/4" & 6 mm	90 (6.2)	2.8 (1.3)	14.3 (363)	4.6 (118)
56747	1 (744)	20,000	82 dB(A)	41 (1161)	1/4" & 6 mm	90 (6.2)	2.8 (1.3)	14.3 (363)	4.6 (118)

Additional Specifications: Air Inlet Thread 3/8" NPT • Hose Size 3/8" or 10 mm

Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744.

Preventative Maintenance Schedule

For All 1hp Vacuum Die Grinders

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.

Parts Common to all Models:

LEGEND	
T	Part included in 96532 Tune-Up Kit
X	Type of wear, no other comments apply.
L	Easily lost. Care during assembly/disassembly.
D	Easily damaged during assembly/disassembly.
R1	Replace each time tool is disassembled.



96532 – 1hp. Motor Tune-Up Kit

Index #	Part Number	Description	Number Required	High Wear 100%	Medium Wear 70%	Low Wear 30%	Non-Wear 10%
1	02288	Vacuum Shroud Sleeve	1			X	
2	02287	Vacuum Shroud Base	1			X	
3	97029	Hose Clamp	1				X
4	50012	Collet Cap	1				X
5	See Note	Collet Insert	1			X	
6	51961	Housing Cover	1				X
7	96498	Wave Spring	1				X
8	95438	O-Ring	1		T		
9	53620	Motor Adapter	1				X
10	50011	Collet Body	1				X
11	54520	Bearing	1		T		
12	51951	Shim Pack	1		T		
13	51922	Front Bearing Plate	1			X	
14	96441	Pin (2)	2			X	
15	51927	Rotor Spacer	1		T		
16	51921	Rotor	1			X	
17	51926	Blade (4/pkg.)	4	T			
18	51925	Cylinder	1			X	
19	51923	Rear Bearing Plate	1			X	
20	02057	Bearing	1		T		
21	96445	Pin (2)	2			X	
22	51924	Gasket	1		T		
23	See Note	Governor Assembly	1				X
24	See Note	Housing	1				X
25	96444	Pin	1		T		
26	51949	Safety Lever Assembly	1			X	
27	51946	Valve Stem Assembly	1		T		
28	51945	Valve Seat	1				X
29	51944	Tip Valve	1		T		
30	51943	Spring	1				X
31	96442	O-Ring	1		T		
32	51940	Spacer	1				X
33	53682	Gasket	1		T		
34	94528	Felt Silencer	1		T		
35	53686	Muffler Cap	1				X
36	94924	Wave Spring	1				X
37	53683	Spacer	1				X
38	53681	Inlet Bushing	1				X
39	97180	Hose Cuff	1				X
40	31942	Hose	1				X
41	97161	Vacuum Hose Retainer	1				X
42	31907	Swivel Hose Cuff	1				X

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

Reference Contact Information

- 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
- Government Printing Office – GPO**
Superintendent of Documents
Attn. New Orders
P.O. Box 371954
Pittsburgh, PA 15250-7954
Tel: 1 (202) 512-1803
- European Committee for Standardization**
Rue de Stassart 36
B - 1050 Brussels, Belgium

Optional Accessories

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



Dynamswivel®

- Swivels 360° AT TWO PIVOT POINTS allowing the air hose to drop directly to the floor while providing superb tool handling.

95461 – 3/8" NPT.

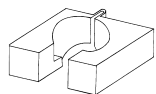


96532 Motor Tune-Up Kit

- Includes assorted parts to help maintain and repair motor.

01908 Drop-In Motor

- Allows quick and easy replacement. No motor adjustments needed.



51989 Repair Collar

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



Dynabrade Air Lube

- Formulated for pneumatic equipment.
- Absorbs up to 10% of its weight in water.
- Prevents rust and formation of sludge.
- Keeps pneumatic tools operating longer with greater power and less down time.

95821: 4 oz. (108 ml)

95842: 1 pt. (473 ml)

95843: 1 gal. (3.8 L)



Carbide Burr Kits

- Includes 12 burs for grinding, deburring and finishing metal.

93351 – 1/8" Kit

93350 – 1/4" Kit

93380 – 6mm Kit



Collet Inserts

- 50065 – 1/8"
- 50013 – 1/4"
- 50014 – 3/8"
- 50016 – 6mm
- 50039 – 8mm



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.



- 50010 – 1/4" Collet Assembly.
- 50015 – 6mm Collet Assembly.



Bearing Press Tools

- Used to install bearings.

96243: For installing 02057 Bearing.

96244: For installing 01007 & 54520 Bearings.



30335 Air Supply Hose

- 3/8 in. I.D. x 60 in. Wide air supply hose, includes: 3/8 in. NPT male and female threaded fittings.



Portable Vacuum Systems

- Dynabrade offers a wide assortment of vacuuming options to choose from. To help make your selection please request the most current portable vacuum systems literature from your local representative or by searching our web site.



98263 Male Plug

- Provides up to twice the air flow compared to standard plug design.
- Plug has "ported" design to prevent "starving" of the air tool.

Visit Our Web Site: www.dynabrade.com

Email: Customer.Service@Dynabrade.com



DYNABRADE, INC., 8989 Sheridan Drive • Clarence, NY 14031-1490 • Phone: (716) 631-0100 • Fax: 716-631-2073 • International Fax: 716-631-2524
DYNABRADE EUROPE S.à.r.l., Zone Artisanale • L-5485 Wormeldange—Haut, Luxembourg • Telephone: 352 76 84 94 1 • Fax: 352 76 84 95 1

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PRINTED IN USA

PD09.49_10/09