1Hp Extension Dynastraight Governor Controlled

Air Tool Manual - Safety, Operation and Maintenance

SAVE THIS DOCUMENT, EDUCATE ALL PERSONNEL

Models:

13511 - 1,800 RPM

with 5/8" or 1" Combination Arbor

13512 - 3,400 RPM

with 1/2" Diameter Arbor

13515 - 3,400 RPM

with 5/8"-11 Threaded Arbor

13516 - 3,400 RPM

with 5/8" or 1" Combination Arbor

13517 - 4,500 RPM

with 1/2" Diameter Arbor

with 5/8" or 1" Combination Arbor

13531 - 1,800 RPM

13518 - 4,500 RPM

with 5/8"-11 Threaded Arbor



▲ 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



A WARNING

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



A WARNING

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



WARNING

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

▲ WARNING

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



A 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

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



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: Extension Dynastraight Finishing Tools are ideal for surface preparation, cleaning and finishing using abrasive wheels, discs and related accessories.

Do Not Use Tool For Anything Other Than Its Intended Applications.

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

• Employer's Responsibility – Provide Extension Dynastraight operators with safety instructions and training for safe use of tools and accessories.

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 catalog.
- · 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.)
- DO NOT use Grinding wheels, cut-off wheels, saw blades or other products outside tool intent.

(Continued on next page.)

OPERATING INSTRUCTIONS

Warning: Always wear eye protection. 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.

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 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 onto arbor assembly.
- · When mounting abrasive or accessory on arbor be sure to follow recommended procedure of the manufacturer.
- Connect air tool to power source. Be careful NOT to depress throttle lever in the process.

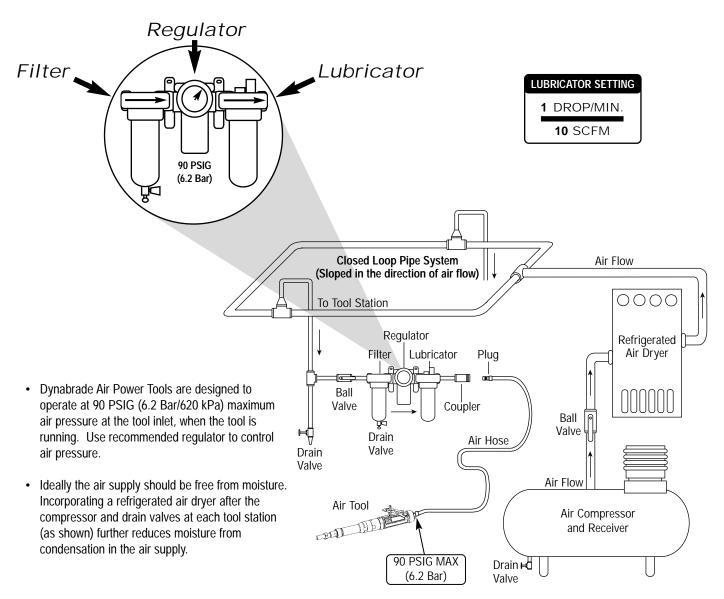
Do not expose air tool to inlet pressure above 90 PSIG or (6.2 Bars).

Caution: After installing the accessory, the Extension Dynastraight 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



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.
- All Dynabrade Rotary Vane air tools must be used with a Filter-Regulator-Lubricator to maintain all warranties. 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 with 1/2" NPT female ports.
- Dynabrade recommends one drop of air lube per minute for each 10 SCFM (example: if the tool specification states 40 SCFM, set the drip rate on the filter-lubricator to 4 drops per minute). Dynabrade Air Lube (P/N 95842: 1 pt 473 ml) is recommended.

Routine Preventative Maintenance: Check free speed of Extension Dynastraight using a tachometer. This governor controlled grinder should be speed checked every 20 hours of use or weekly, whichever occurs more frequently.

- <u>DO NOT</u> disassemble the governor for any reason. Reorder correct speed governor assembly (See Assembly Breakdown) and recheck free speed of tool with a tachometer.
- 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.
- <u>DO NOT</u> 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 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)
- · DO NOT carry tool by air hose or near the throttle lever.
- 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:

13518

13531

- · Use of tool rests, hangers and/or balancers is recommended
- · Protect tool inlet from debris (see Notice below).

1 (744)

1 (744)

- <u>DO NOT</u> carry tool by air hose or near the throttle lever.
- Protect abrasive accessories from exposure to water, solvents, high humidity, freezing temperature and extreme temperature changes.

6/44 (1,256)

5/36 (1,019)

· Store accessories in protective racks or compartments to prevent damage.

4,500

1,800

88 dB(A)

82 dB(A)

Machine Specifications Air Flow Rate CFM/SCFM (LPM) Length Inch (mm) Wheel Arbor Model Motor Motor RPM Sound Air Pressure Weight PSIG (Bars) **Diameter Inch** Pound (kg) Inch (mm) 13511 1 (744) 1,800 82 dB(A) 5/36 (1,019) 5/8 or 1 4.5 (2.0) 17-1/2 (445) 1-7/8 (48) 90 (6.2) 1-7/8 (48) 1 (744) 88 dB(A) 1/2 17-1/4 (438) 13512 3,400 6/44 (1,256) 90 (6.2) 4.2 (1.9) 5/8-11 Thread 13515 1 (744) 3,400 88 dB(A) 6/44 (1,256) 90 (6.2) 3.9 (1.8) 17-5/16 (439) 1-7/8 (48) 13516 1 (744) 3.400 88 dB(A) 6/44 (1,256) 90 (6.2) 5/8 or 1 4.5 (2.0) 17-1/2 (444) 1-7/8 (48) 13517 1 (744) 4,500 88 dB(A) 6/44 (1,256) 90 (6.2) 1/2 4.2 (1.9) 17-1/4 (438) 1-7/8 (48)

Additional Specifications: Air Inlet Thread 3/8" NPT • Hose I.D. Size 3/8" (10 mm) • Air Flow Rate Based At Max HP. • Air Pressure 90 PSIG Max

Notice

90 (6.2)

90 (6.2)

5/8 or 1

5/8-11 Thread

4.5 (2.0)

3.9 (1.8)

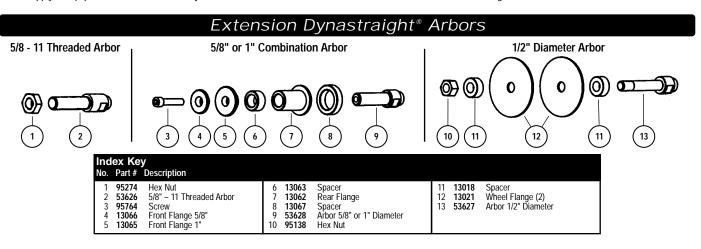
17-1/2 (444)

17-5/16 (440)

1-7/8 (48)

1-7/8 (48)

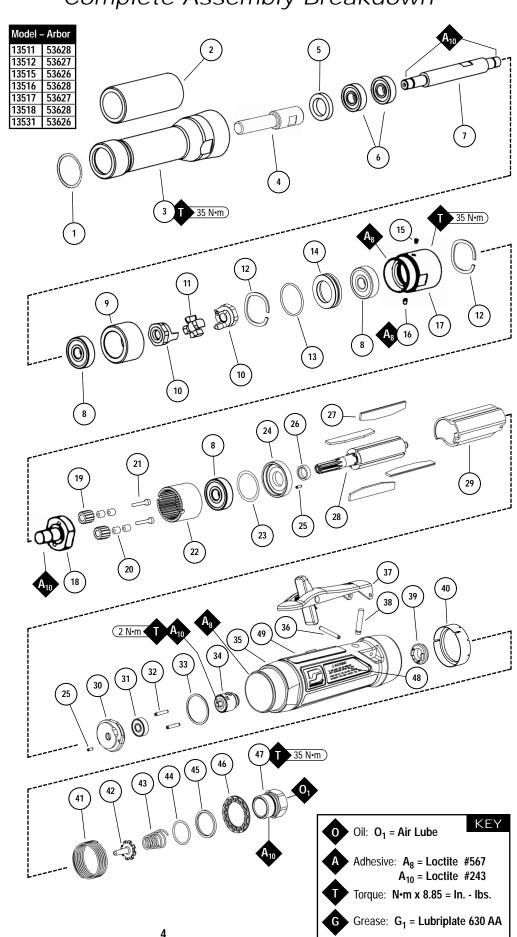
All Dynabrade motors use the highest quality parts and metals available and are machined to exacting tolerances. The failure of quality pneumatic motors can most often be traced to an unclean air supply or the lack of lubrication. Air pressure easily forces dirt or water contained in the air supply into 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.



1 Hp Extension Dynastraight Complete Assembly Breakdown



Label Key								
No.	Part #	Description						
48	00001180	Warning Label						
49	00001181	Specification Label						



Disassembly Instructions - 1 Hp Extension Dynastraight

Important: Manufacturer's warranty is void if tool is disassembled before warranty expires.

Disconnect tool from power source before tool repair.

Motor Disassembly:

- 1. Remove abrasive accessory and hardware from arbor/threaded spindle.
- 2. Using 51989 Repair Collar (order separately) or padded vise, secure front end of housing using machined flats on the silver ring.
- 3. Remove 51952 Extension Handle from 53695 Gear Casing (twist counterclockwise).
- 4. Slide 51982 Bearing Spacer and spindle assembly through rear of 51952 Extension Handle.
- 5. Remove 96524 Retaining Ring from front of extension handle if necessary.
- 6. Secure 51955 Spindle at wrench flats, and remove arbor/threaded spindle, 51956 Felt Ring and 51935 Coupler.
- 7. Secure 01007 Bearing and press 51955 Spindle through both 01007 Bearings.
- 8. Secure 54520 Bearing and press 51955 through 54520 Bearing.
- 9. Remove 53695 Gear Casing (twist counterclockwise).
- 10. Secure planetary Carrier using 53698 Wrench (order separately) and remove 51935 Coupling (twist counterclockwise).
- 11. Remove 04014 Set Screw(s) and pull planetary carrier assembly(s) from planetary gear casing.
- 12. Press planetary carrier assembly through 54520 Bearing.
- 13. Remove 96498 Wave Spring.
- 14. Remove ring gear and press retainer pins and gears from planetary carrier.
- **15.** Remove remaining tool assembly from vise.
- **16.** Pull motor assembly from housing assembly.
- 17. Remove governor assembly by using a slotted screw driver. (LEFT HAND thread)
- 18. Secure 51925 Cylinder and place a 1/8" (3 mm) drift pin to the base of the internal thread and press the 51921 Rotor from the 02057 Rear Bearing.
- 19. Slide 02057 Rear Bearing from 51923 Rear Bearing Plate.
- 20. Remove 51925 Cylinder and 51926 Blades.
- 21. Press rotor through 54520 Bearing, 51922 Front Bearing Plate and 51927 Rotor Spacer.
- 22. Slide 54520 Bearing and shims from 51922 Front Bearing Plate.

Motor and Extension Disassembly Complete.

Housing Disassembly:

- 1. Secure housing using 51989 Repair Collar (see back cover for Optional Accessories).
- 2. Remove 51937 Inlet Bushing (twist counterclockwise).
- 3. Remove 51943 Spring, 96442 O-Ring, 51940 Spacer and 51939 Silencer Plate from 51937 Inlet Bushing.
- 4. Remove **51941** Spring, **51942** Baffle, **51944** Tip Valve and **51945** Valve Seat.

Housing Disassembly Complete.

Assembly Instructions - 1 Hp Extension Dynastraight

Motor Assembly:

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

- 1. Place Rotor into padded vise with male thread or spline 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. Press bearing/bearing plate assembly onto rotor.
- 6. Check clearance between rotor and front bearing plate by using a .001" feeler gauge. Clarence should be between .001" .0015". Adjust clarence by repeating steps 4 and 5 with different shims if necessary.
- 7. Once proper rotor gap clarence 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 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 onto 51923 Rear Bearing Plate until it is seated. Important: 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 bearing. While pressing 02057 Bearing, make certain to contact inner race of bearing only.
- 13. Add one drop of #243 Loctite* (or equiv.) to governor assembly male thread and screw governor assembly onto place (LEFT HAND thread) with a slotted screw head. Torque to 2 N•m (18 lb.-in.).

(Continued on next page.)

Assembly Instructions - (Continued)

Important: Manufacturer's warranty is void if tool is disassembled before warranty expires.

Please refer to parts breakdown for part identification.

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.

Motor Assembly Complete.

Gear Casing Assembly:

- 1. Press Front 54520 Bearing onto front end of 53695 Gear Casing.
- 2. Install gears with needle bearings and assemble onto planetary carrier by pressing retainer shafts into place.
- 3. Place 96498 Wave Spring at the base of 53695 Gear Casing.
- 4. Slide planetary carrier assembly into 53695 Gear Casing and through 54520 Bearing.
- Apply one drop of #243 Loctite® to threads of 51935 Coupling and thread onto planetary carrier. Torque to 17 N•m (150 lb.-in.). Using 53698
 Carrier Wrench (order separately).
- 6. Install Ring Gear over **54520** Front Motor Bearing, keep 2 machined slots facing outward.
- Apply a small amount of #567 Loctite[®] Loctite to the male thread of the housing and thread 53695 Gear Casing over ring gear in place.
 Important: Align rotor spline to planetary gears to allow carrier to spin freely.
- 8. When slots from ring gear line up with set screw hole. Apply a small amount of #567 Loctite* to **04014** Set Screw and install to lock ring gear in place.
- 9. Torque 53695 Gear Casing to 35 N·m (310 lbs.-in.).
- 10. Place 51936 Coupling insert into 51935 Coupling. Make certain insert radii aligns with radii in coupling base, to correct alignment remove insert and rotate 90°.
- 11. Press one 01007 Bearing on end of 51955 Extension Spindle that is further from the wrench flats, then repeat with second 01007 Bearing on the same end of the spindle. Important: While pressing 01007 Bearings, make certain to contact inner race of bearing only.
- 12. Press 54520 Bearing onto end of spindle that is closer to wrench flats. Important: While pressing 54520 bearing, make certain to contact inner race of bearing only.
- 13. Secure 51955 Extension Spindle and apply #243 Loctite* (or equiv.) to external threads then torque 51935 Coupling on single bearing end to 17 N•m (150 lbs.-in.).
- 14. Install 51956 Felt Ring over small boss on the arbor/spindle selected.
- 15. On double bearing end of 51955 Extension Spindle, apply #243 Loctite* (or equiv.) to external threads and torque arbor/spindle with 51956 Felt Ring to 17 N•m (150 lbs.-in.).
- 16. Install 96524 Retaining Ring into groove inside 51952 Extension Handle.
- 17. Insert spindle assembly, with arbor/spindle first, into larger diameter end of 51952 Extension Handle.
- 18. Insert 51982 Bearing into larger diameter end of extension handle.
- 19. Pull 51936 Coupling Insert half way off of 51935 Coupling, to insure proper alignment.
- 20. Apply a small amount of #567 Loctite* (or equiv.) to external threads just above machined flats on 53695 Gear Casing.
- 21. Align 51936 Coupling Insert onto 51935 Coupling in 51952 Extension Handle.
- 22. Thread gear casing/housing assembly onto extension handle.
- 23. Secure front end of housing using 51989 Repair Collar (order separately) or padded vase, align the vise jaws with machined flat on the silver ring. Torque 51952 Extension Handle onto gear casing to 35 N·m (310 lbs.-in.).

Gear Casing and Extension Assembly Complete.

Housing Assembly:

- 1. Secure housing using 51989 Repair Collar (see back cover for Optional Accessories). With extension facing downward.
- 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 Seat.
- 3. Install 51944 Tip Valve as shown.
- 4. Slide 51942 Baffle into housing long end in first, and place 51941 Spring into shallow wall end of baffle.
- 5. Pre-assemble 51937 Inlet Bushing by sliding 51939 Silencer Plate, 51940 Spacer over male thread and set 96442 O-Ring into groove at the base of thread. Slide 51943 Spring into bushing and up to the two 51938 Screens.
- 6. Apply one drop of Loctite* #243 (or equiv.) to 51937 Inlet Bushing thread.
- 7. Align small inside diameter of 51943 Spring to cone point on 51944 Tip Valve and thread 51937 Inlet Bushing and sub-assembly into place. Torque bushing to 35 N•m (310 lb.-in.).
- 8. 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.
- 9. Remove housing from 51989 Repair Collar and replace 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, 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 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.

Preventative Maintenance Schedule

For All 1Hp Extension Dynastraights

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 or 50% of a man year. Parts included in motor tune-up kit are identified by High Wear and Medium Wear items.

Parts Common to all Models:

LEGEND						
Х	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.					
R2	Replace each second time tool is disassembled.					



96532 - 1 Hp. Motor Tune-Up Kit

• Tune-Up Kit includes high wear and medium wear motor parts.

Index #	Part Number	Description	Number Required	High Wear 100%	Medium Wear 70%	Low Wear 30%	Non-Wear 10%
	96524	Detroining Ding	_	10070		3070	1070
1	53690	Retraining Ring	1		L	Х	
3	51952	Grip Extension Handle	1			^	х
4		Arbor	1				X
	See Note			v			^
5	51956	Felt Seal	1	Х	V		
6	01007	Bearing Sylvensian	2		Х	Х	
7	51955	Spindle Extension	1 3		Х	Χ	
8	54520	Bearing			Α		v
9	51982	Spacer	1				X X
10	51935	Coupling	2				
11	51936	Insert	1				X
12	96498	Wave Spring	2				Х
13	95438	O-Ring	1		L		v
14	53620	Adapter	1			.,	Х
15	01041	Grease Fitting	1			Х	
16	04014	Set Screw	1		L		
17	53695	Adapter	1				Х
18	See Note	Carrier	1			X	
19	See Note	Planetary Gear	2			Х	
20	04026	Needle Bearing	1			Х	
21	53679	Shaft	2			Х	
22	53665	Ring Gear	1			Х	
23	51951	Shim Pack (3/pkg.)	1		L		
24	51922	Front Bearing Plate	1			Х	
25	96441	Pin	2			Х	
26	51927	Spacer	1		Х		
27	51926	Blade (4/pkg.)	1	Х			
28	See Note	Rotor	1			Х	
29	51925	Cylinder	1			Х	
30	51923	Rear Bearing Plate	1			Х	
31	02057	Bearing	1		Х		
32	96445	Pin	2			Х	
33	51924	Gasket	1		Х		
34	See Note	Governor Assembly	1				Х
35	See Note	Housing	1				Х
36	96444	Pin	1		L		
37	51949	Safety Lock Lever	1			Х	
38	51946	Valve Stem Assembly	1		Х		
39	51945	Valve Seat	1				Х
40	51942	Baffle	1				X
41	51941	Spring	1				X
42	51944	Tip Valve	1		Х		
43	51943	Spring	1				х
44	96442	O-Ring	1		L		
45	51940	Spacer	1		_		Х
46	51939	Silencer Plate	1				X
47	51937	Inlet Bushing	1				X

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

Optional Accessories



Dynaswivel®

 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.



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.

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



95542 Grease 10 oz.

- Multi-purpose grease for all types of bearings, cams, gears.
- High film strength; excellent resistance to water, steam, etc.
- Workable range 0° F to 300° F.

95541 Push-type Grease Gun

One-hand operation.



53698 Carrier Wrench

 Carrier Wrench has a 3/8 in. square socket for use with 3/8 in. drive; breaker bar, ratchet head, or torque wrenches.



Bearing Press Tools

Used to install bearings.

96243: For installing 02057 Bearing.

96244: For installing **01007** & **54520** Bearings.



53199 Handle Mount 53163 Handle Assembly

• Improved ergonomic feel with grip-traction to reduce hand fatique.



96532 Motor Tune-Up Kit

• Includes assorted parts to help maintain and repair motor.

Drop-In Motor

Allows quick and easy replacement.
 No motor adjustments needed.

01904 – 4,500 RPM

01905 - 1,800 & 3,400 RPM



53621 Over Hose Assembly

 Over Hose Assembly directs exhaust away from operator.



94465 Wheel inflation Tool

- Controlled inflation/deflation of pneumatic wheel.
- Has 1/4" female thread; fits 1/4" air hose.
- 95633 Nozzle replacement available.



94472 Pneumatic Wheel

- Easily regulate hardness by air pressure.
- Inflates to 20 PSI maximum.



Dynastraight® Wheel Shields

· Built-in handle.

13032 - For wheels up to 8" dia. x 2" wide.

13033 - For pneumatic wheels up to 5" dia.



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.



96005 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.



95281 - 19 mm Open-end Wrench.

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.

Reference Contact Information

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