

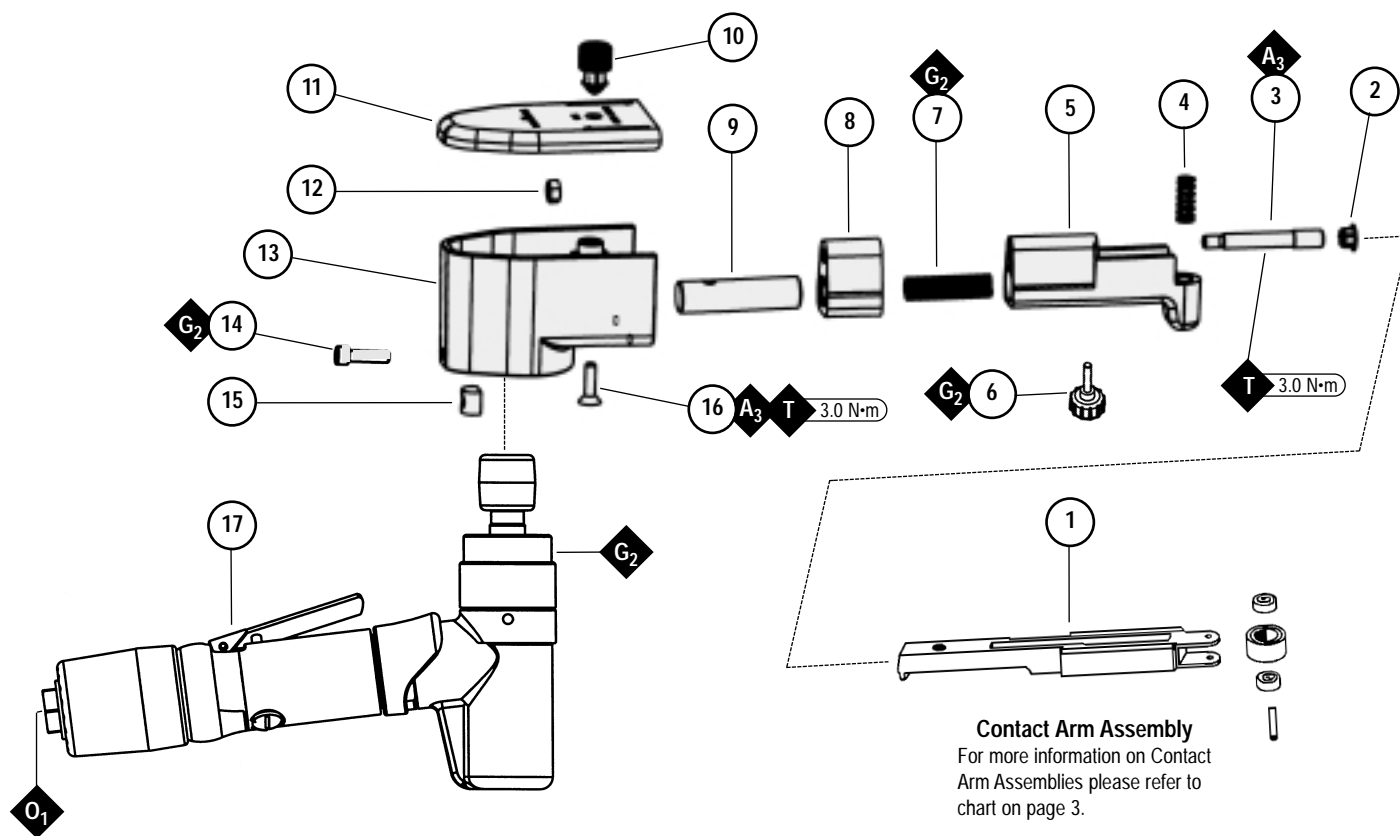
# Slow Speed Dynafire® II

**Models:**

40381 – Slow Speed Dynafire® II

*Air Motor and Machine Parts***! WARNING**

Always operate, inspect and maintain this tool in accordance with the Safety Code for portable air tools (ANSI B186.1) and any other applicable safety codes and regulations. Please refer to Dynabrade's Warning/Safety Operating Instructions for more complete safety information.

*Standard 40381 Slow Speed machine***Index Key**

No. Part # Description

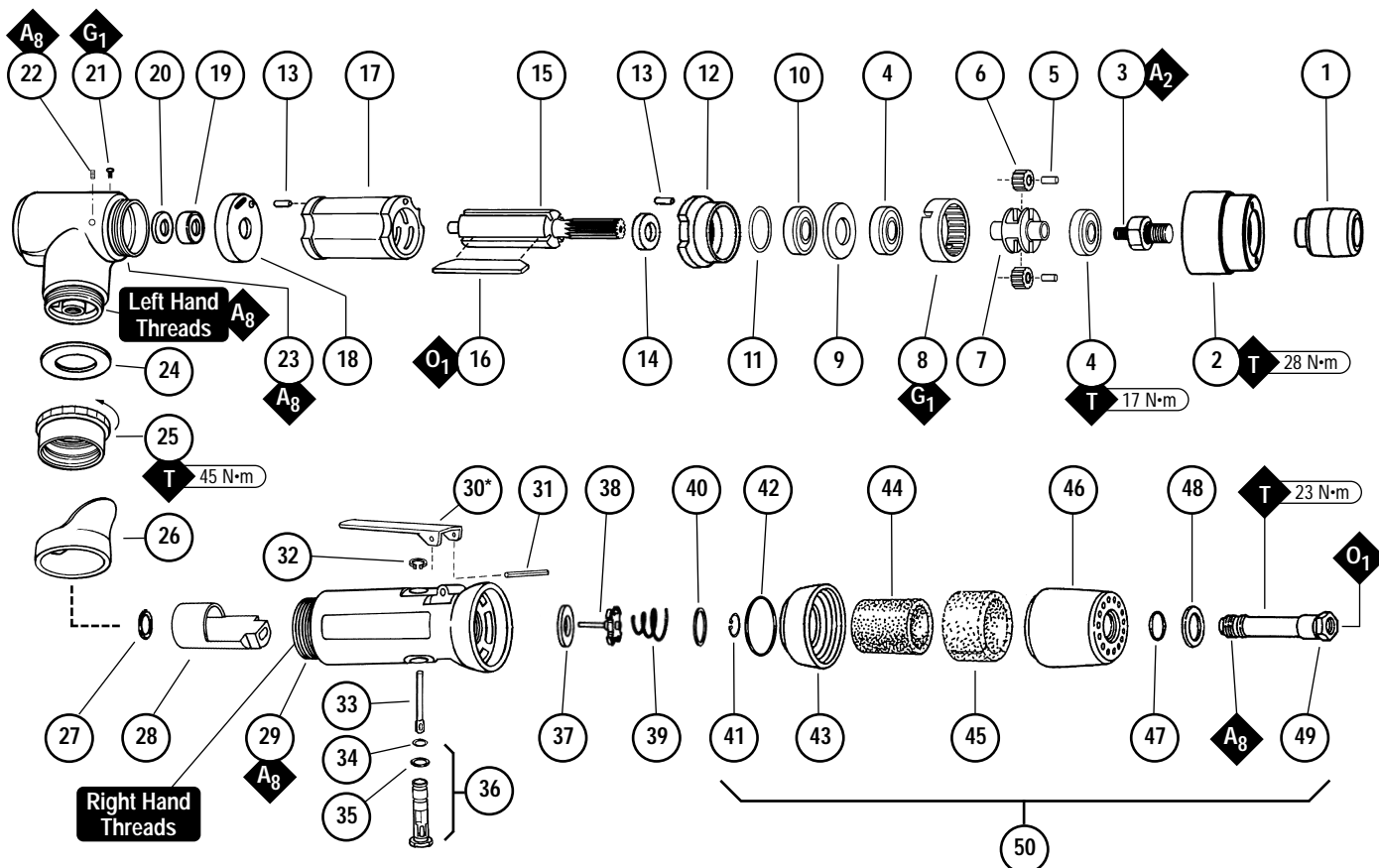
1	11206	Contact Arm Assy.	10	15329	Screw
2	96334	Plug	11	15312	Belt Guard
3	15308	Guide Post	12	96335	Hex Nut
4	11040	Spring	13	15454	Housing
5	15306	Tension Arm	14	95311	Screw
6	95218	Knob Assy.	15	40029	Motor Lock
7	95426	Spring	16	95217	Screw
8	15309	Dust Cover	17	04220	Air Motor
9	15307	Tension Shaft			

<b>O</b>	Oil: O <sub>1</sub> = Air Lube	<b>KEY</b>
<b>G</b>	Grease: G <sub>2</sub> = Loctite #771	
<b>A</b>	Adhesive: A <sub>3</sub> = Loctite #242	
<b>T</b>	Torque: N·m x 8.85 = In - lbs.	

**Note:** Shaded parts represent 15455 Housing Assembly.

# 04220 — Air Motor for Slow Speed Machine

US PAT. D-265, 172; 4,368,597; 4,411,106



## Index Key

No. Part # Description

1 15352 Drive Wheel	18 02673 Rear Bearing Plate	35 01024 O-Ring
2 40359 Rear Exhaust Cover	19 02696 Bearing	36 01469 Speed Regulator
3 40358 Adapter	20 02679 Shield	37 01464 Seal
4 54552 Bearing (2)	21 01041 Grease Fitting	38 01472 Tip Valve
5 54472 Gear Shaft (2)	22 50784 Set Screw	39 01468 Spring
6 06213 Gear (2)	23 50776 Motor Housing	40 01564 Air Control Ring
7 50787 Planetary Carrier	24 01548 Gasket	41 95711 Retaining Ring
8 54468 Rear Ring	25 01461 Lock Nut	42 95438 O-Ring
9 50778 Spacer	26 01558 Collar	43 94521 Muffler Base
10 02649 Bearing	27 95523 O-Ring	44 94524 Sintered Muffler
11 54529 Shim (3/pkg.)	28 01470 Insert	45 94525 Felt Muffler
12 01478 Front Bearing Plate	29 04221 Housing	46 94522 Muffler Cap
13 50767 Spring Pin (2)	30 01448 Throttle Lever	47 95375 O-Ring
14 01479 Spacer	31 12132 Pin	48 94526 Spacer
15 54553 Rotor	32 95558 Retaining Ring	49 94523 Inlet Adapter
16 01480 Blade (4/pkg.)	33 01449 Valve Stem	50 94520 Muffler Assembly
17 01476 Cylinder	34 95730 O-Ring	

<b>O</b>	Oil: O <sub>1</sub> = Air Lube	<b>KEY</b>
<b>A</b>	Adhesive: A <sub>2</sub> = Loctite #271 A <sub>8</sub> = Loctite #567	
<b>T</b>	Torque: N·m x 8.85 = In.-lbs.	
<b>G</b>	Grease: G <sub>1</sub> = Lubriplate 630 AA	

\* Optional 01462 Safety Lock Lever Available.

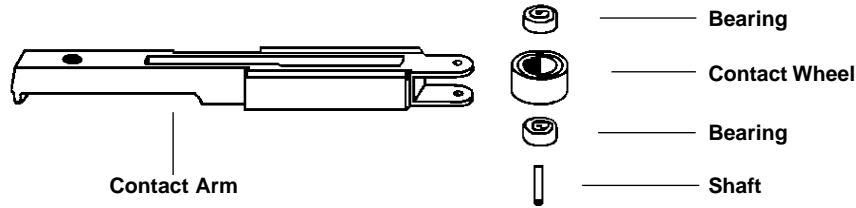
## Machine Specifications

Model Number	Motor HP (W)	Motor RPM	Sound Level	Abrasive Belt Size Inch (mm)	Maximum Air Flow CFM/SCFM (LPM)	Max. SFPM (SMPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
40381	.4 (321)	5,000	82 dB(A)	1/4-1/2 (6-13) W x 18-24 (457 - 610) L	3/24 (680)	1,150 (345)	2.8 (1.2)	15-1/2 (394)	5-3/4 (146)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose I.D. Size 1/4" (8 mm) • Air Pressure 90 PSIG (6.2 Bars)

# Dynafile® II Contact Arm Assemblies

**Contact Wheel Assembly**—Includes wheel, bearing and shaft.



## Dynafile® II Standard Contact Arms

Part Number	Abrasive Belt Size	Contact Wheel Description	Comments	Contact Wheel Assembly	Contact Wheel Only	Bearing (2) Req.	Shaft
11200	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	"Stroke-Sander" Arm; 1/2" W Platen	11088 (2)	11077 (2)	11052 (4)	11055 (2)
*11201	1/2" x 18"	5/16" Dia. x 3/8" W Steel	1/2" W Platen	11068	11067	11051	11054
11202	1/4" x 18"	5/8" Dia. x 1/8" W Rubber	1/4" W Platen	11074	11073	11052	11053
11203	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	1/2" W Platen	11078	11077	11052	11054
11204	1/4" or 1/2" x 18"	1" Dia. x 3/8" W Radiused Rubber	Loose Belt Application	11080	11079	11052	11054
11206	5/8" or 3/4" x 18"	3/4" Dia. x 5/8" W Rubber	3/4" W Platen	11282	11281	11052	11285
*11220	5/8" or 3/4" x 18"	5/16" Dia. x 5/8" W Steel	Polish Turbine Blades	11352	11353	11051	11285
11280	1/4" x 18"	1" Dia. x 3/8" W Tapered Urethane	No Platen/Offset Design	11086	11085	11052	11054
11286	1/2" x 24"	5/8" Dia. x 3/8" W Rubber	1/2" W Platen	11078	11077	11052	11054
11287	5/8" or 3/4" x 20-1/2"	3/4" Dia. x 5/8" W Rubber	3/4" W Platen	11282	11281	11052	11285
*11300	1/2" x 18"	1/4" Dia. x 3/8" W Steel	Polish Turbine Blades	11332	11333	11334	11335
*11301	1/2" x 18"	5/16" Dia. x 3/8" W Steel	Polish Turbine Blades	11068	11067	11051	11054
11304	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	"Stroke-Sander" Arm-1/2" W Platen	11078	11077	11052	11054
11312	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	H.D. Version of 11203 Arm	11078	11077	11052	11054
11320	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	"Offset Arm" – prevent gouging.	11078	11077	11052	11054
11322	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	Contains two 11395 Guide Wheels – Prevents Undercutting	11090	11077	11052	95610
11325	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	1/2" W Steel Platen	11078	11077	11052	11054
11326	5/8" or 3/4" x 18"	3/4" Dia. x 5/8" W Rubber	H.D. Version of 11206 Arm	11282	11281	11052	11285
11329	1/2" x 44"	5/8" Dia. x 3/8" W Rubber	1/2" W Platen/17" Reach	11078	11077	11052	11054
*11341	1/2" x 18"	5/16" Dia. x 3/8" W Rubber	Polish Turbine Blades	11342	11343	11334	11335
*11350	3/4" x 34"	5/16" Dia. x 5/8" W Steel	Bus Bar Arm/11" Reach	11352	11353	11051	11285
**42642	5/8" or 3/4" x 18"	3/4" Dia. x 5/8" W Rubber	3/4" W Platen	42652	11281	01187	11285
**42644	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	"Stroke-Sander" Arm-1/2" W Platen	42653	11077	01187	11054
**42646	1/4" or 1/2" x 18"	1" Dia. x 3/8" W Radiused Rubber	No Platen/Offset Design	42654	11079	01187	11054
**42650	1/2" x 18"	5/8" Dia. x 3/8" W Rubber	1/2" W Platen	42653	11077	01187	11054

\*Run at 45 PSIG. Not recommended for Electric Dynafile® II. \*\*For use with Wet Dynafile® II. Contains sealed bearings.

See page 6 for Dynafile® II Abrasives, Accessories and Contact Wheel/Bearing Assembly/Disassembly Instructions.

## Assembly/Disassembly for Dynafile® II

**Important:** A #2 Arbor Press is recommended for assembly/disassembly.

**Manufacturers warranty is void if tool is disassembled before warranty expires.**

### To Disassemble:

#### Housing Assembly: Non-Vacuum

1. Unscrew **15329** Screw and remove **15312** Belt Guard Assembly, abrasive belt and contact arm assembly.
2. Loosen **95311** Screw and remove air motor.
3. Remove **96334** Plug.
4. Remove **15308** Guide Post and **96335** Hex Nut, this will release **15306** Tension Arm and **95426** Spring. (Heating of **96335** Nut may be required.)  
**Warning:** **15306** Tension Arm is spring loaded, use caution when removing **15308** Guide Post.
5. Remove **15309** Dust Cover, **95217** Screw and **15307** Tension Shaft. (Heating of **95217** Screw may be required.)

#### Motor Assembly:

1. Disconnect motor from power source.
2. Secure air motor in vise using **52296** Repair Collar. Remove back-up pad.
3. With an adjustable pin wrench, remove **40359** Rear Exhaust Cover by turning counter-clockwise.
4. Remove **50784** Set Screw and pull **40358** Adapter and planetary carrier assembly from **50776** Housing.
5. Press planetary carrier assembly from rear **54552** Bearing. Remove ring gear and gears from **50787** Planetary Carrier.
6. Secure planetary carrier in vise and remove **40358** Adapter. Press carrier from front **54552** Bearing.
7. Gap onto pinion and pull motor assembly from motor housing. Remove **50778** Spacer.
8. Press **54553** or **54554** Rotor from **02673** Rear Bearing Plate. Press **02696** Rear Bearing from rear bearing plate, remove **02679** Shield.
9. Remove cylinder and rotor blades from rotor.
10. Press **54553** Rotor through **02649** Front Bearing and **01478** Front Bearing Plate.

#### Valve Body:

1. Position valve body in vise using **52296** Repair Collar with air inlet facing up.
2. Remove air fitting by securing **94523** Inlet Adapter with a wrench and twist air fitting from inlet adapter. **Important:** **94523** Inlet Adapter must be secured before attempting to remove air fitting to avoid damaging valve body housing.
3. Remove **94523** Inlet Adapter.
4. Remove **95711** Retaining Ring from inlet adapter and separate **94521** Muffler Base from **94522** Muffler Cap. Remove sintered muffler and felt muffler.
5. Remove **01564** Air Control Ring from valve body. Using needle nose pliers, remove **01468** Spring, **01472** Tip valve and **01464** Seal.
6. Using a 2.5 mm drift pin, tap **12132** Pin from housing and remove throttle lever.
7. Remove **95558** Retaining Ring. Push **01469** Regulator from valve body and remove o-rings.

### To Assemble:

**Important:** Make sure parts are clean and in good condition before assembling.

#### Motor Assembly:

1. Split **01479** Spacer onto **54553** Rotor.
2. Place a .002" shim into **01478** Front Bearing Plate for initial spacing. Then slip **02649** Bearing into **01478** Front Bearing Plate. Press assembly into rotor.
3. Check the clearance between rotor and bearing plate by using a .001" feeler gauge. Clearance should be at .001" to .0015". Adjust clearance by repeating steps 1-3 changing shims as required.
4. Once proper rotor gap clearance is achieved, install lubricated blades into rotor slots, (use **95842** Dynabrade Air Motor Oil or equivalent).
5. Install **01476** Cylinder so it rests against the **02028** Front Bearing Plate, (make sure inlet holes of cylinder line up with inlet holes in **02676** Rear Bearing Plate).
6. Press **02696** Bearing into **02673** Rear Bearing plate. Press this assembly onto rotor. Important: Fit must be snug between bearing plates and cylinder. If too tight, rotor will not turn freely. Rotor must be lightly tapped at press end so it will turn freely while still maintaining a snug fit. A loose fit will not achieve the proper preload or motor bearings. Next, place a small amount of grease on the **02696** Bearing and stick **02679** Shield against the bearing.
7. Secure housing in vise using **52296** Repair Collar or padded jaws so that motor cavity points upward.
8. Install motor assembly into housing, making sure motor drops all the way into housing.
9. Install **50778** Spacer so that flat side rests against **02649** Bearing.
10. Press front **54520** Bearing onto front end of **50787** Planetary Carrier.
11. Hold planetary carrier in a soft jaw vise and apply one drop of #271 Loctite® to the threads of **40358** Adapter. Install adapter onto planetary carrier.

## Assembly/Disassembly for Dynafire® II (continued)

12. Install planetary gears and **54472** Gear Shafts onto planetary housing.
13. Slip **54468** Ring Gear over gears making sure that notches in ring gear will align with lock screw and grease fitting in **50776** Housing once planetary gear assembly is installed.
14. Press rear **54552** Bearing onto **50787** Planetary Carrier, until the outer race of the bearing touches the ring gear.
15. Slip the complete planetary gear assembly into **50776** Housing and install **50784** Lock Screw.
16. Install **40359** Rear Exhaust Cover onto **50776** Housing. Torque to 28 N•m/250 in. lbs.
17. Lubricate planetary gears through **01041** Grease Fitting with two plunges every 50 hours of use for maximum gear life.
18. Install back-up pad.

### Valve Body Assembly:

1. Insert **01469** Regulator with o-rings and valve stem in place into valve body. Secure with **95558** Retaining Ring.
2. Secure valve body in vise using **52296** Repair Collar with air inlet facing upwards. Insert **01464** Seal.
3. Line up hole in valve stem with hole in housing (looking past brass bushing). Insert **01472** Tip Valve so that the metal pin passes through the hole in the valve stem. Install **01468** Spring (small end towards tip valve).
4. Assemble sintered muffler and felt muffler together and place in **94522** Muffler Cap. Install **94521** Muffler Base onto muffler cap.
5. Install **95438** O-Ring into groove on muffler base. Place **95375** O-Ring and **94526** Spacer into recessed area of muffler cap.
6. Slip **94523** Inlet Adapter through muffler assembly and install **95711** Retaining Ring into groove on inlet adapter.
7. Install **01564** Air Control Ring into valve body housing.
8. Apply #567 Loctite® PST Pipe Sealant to threads of **94523** Inlet Adapter and install entire muffler assembly onto valve body (torque 23 N•m/200 in. - lbs.).
9. Replace air fitting. Secure inlet adapter with a wrench before tightening air fitting.
10. Install throttle lever and **12132** Pin.

**Notice:** To adjust throttle body orientation for a rear exhaust tool:

1. Use **52296** Repair Collar to secure valve body in vise with **50776** Housing facing up.
2. Peel down **01558** Collar to expose the hex portion of **01461** Lock Nut.
3. Using a 34 mm crows foot and a torque wrench set to 4000 lb. in., (while firmly holding motor housing in place to reduce housing rotation) tighten **01461** Lock Nut.

### Housing Assembly: Non-Vacuum

1. Place **15307** Tension Shaft into housing.
2. Apply one drop of #242 Loctite® (or equivalent) to **95217** Screw and tighten (torque to 3.0 N•m/28 in. lbs.). (Refer to housing diagram for proper location of **95217** Screw).
3. Install **15309** Dust Cover onto **15307** Tension shaft.
4. Lubricate (#771 Loctite® or equivalent) inside of **15307** Tension Shaft and inside larger diameter of **15306** Tension Arm.
5. Install **95426** Spring into **15307** Tension Shaft and place **15306** Tension Arm over **95426** Spring.
6. Place **15308** Guide Post into **15306** Tension Arm, apply one drop of #242 Loctite® (or equivalent) to screw threads.
7. Compress tension arm and secure in place with **96335** Nut. (Torque to 3.0 N•m/28 in. lbs.)
8. Assemble **96334** Plug to **15306** Tension arm.
9. With **40029** Motor Lock in place, install air motor assembly into housing and secure in place with lubricated (#771 Loctite® or equivalent) **95311** Screw.
10. Complete assembly by installing contact arm assembly, abrasive belt and place **15312** Belt Guard Assembly over housing, tighten **15329** Screw into housing.

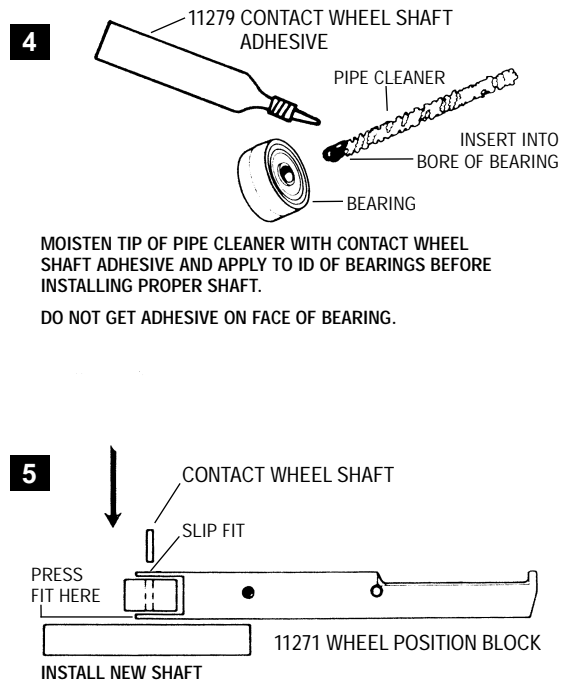
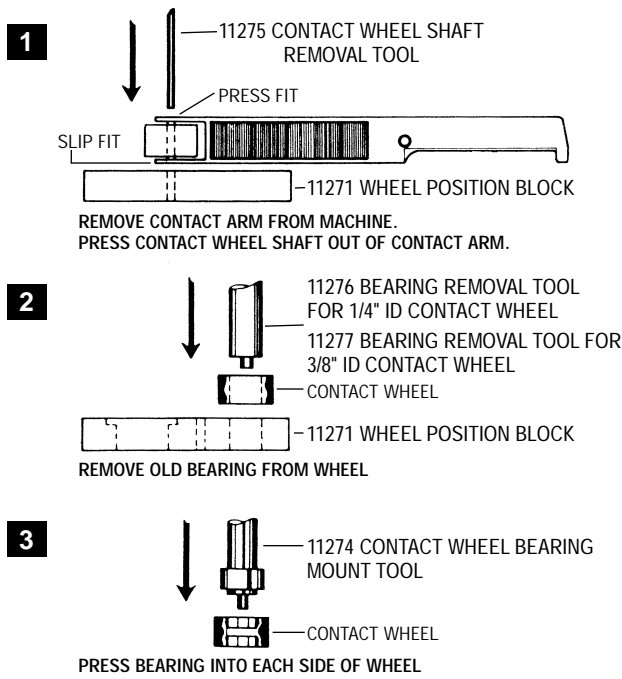
**Tool Assembly Complete. Please allow 30 minutes for adhesives to cure before operating tool.**

**Note:** Motor should operate at around 5,000 RPM at 90 PSIG (6.2 Bar). RPM should be checked with a tachometer. Before operating, we recommend that 2-3 drops of Dynabrade Air Lube P/N – **95842** (or equivalent) be placed directly into the air inlet with the throttle lever depressed.

**Important:** The regular maintenance of any air tool will contribute to greater efficiency of tool and will prolong tool life. The failure of quality pneumatic air 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. Frequent drainage of water traps in air lines is recommended. Each tool on each drop should also be equipped with a secondary air processing unit. This consists of an in-line Filter-Regulator-Lubricator. All Dynabrade air tools must be used with a Filter-Regulator-Lubricator to maintain all warranties. Our warranty obligation is contingent upon proper use of our tools and cannot apply to equipment which has been subject to misuse such as unclean air, wet air or a lack of lubrication during the use of the tool.

Loctite® is a registered trademark of the Loctite Corp.

## Contact Wheel Assembly/Disassembly



## Abrasive Belts

### Coated Aluminum Oxide

18" Long/Unit = 200 Belts					24" Long/Unit = 200 Belts		
Grit	1/4" W	1/2" W	5/8" W	3/4" W	Grit	1/4" W	1/2" W
40	90220	90240	90260	90250	40	90415	90441
60	90221	90241	90261	90251	60	90417	90443
80	90222	90242	90262	90252	80	90419	90445
120	90223	90243	90263	90253	100	90420	90446
180	90224	90244	90264	90254	120	90421	90447
220	90225	90245	90265	90255	180	90423	90449
320	90226	90246	90266	90256	220	90424	90451
500	90227	90247	90267	90257	320	90425	90453
20-1/2" Long/Unit = 200 Belts					34" Long/Unit = 200 Belts		
Grit	1/4" W	1/2" W	5/8" W	3/4" W	Grit	3/4" W	
60	90303	90317	90341	90331	40	90366	
80	90304	90318	90342	90332	60	90367	
120	90305	90319	90343	90333	80	90368	
					100	90369	
					120	90370	

34" belts are used with optional 11350 Contact Arm Assembly. →

### Abrasive Impregnated Non-Woven Nylon

18" Long/Unit = 12 Belts				
Grit	1/4" W	1/2" W	5/8" W	3/4" W
Super fine	90158	90159	90160	90161
Very fine	90228	90248	90249	90258
Medium	90229	90292	90293	90294
Coarse	90296	90297	90298	90299
24" Long/Unit = 12 Belts				
Grit	1/4" W	1/2" W		
Super fine	90397	90398		
Very fine	90403	90400		
Medium	90433	90434		
Coarse	90460	90461		

### Coated Aluminum Zirconia

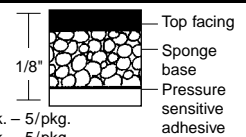
18" Long/Unit = 200 Belts					24" Long/Unit = 200 Belts		
Grit	1/4" W	1/2" W	5/8" W	3/4" W	Grit	1/4" W	1/2" W
60	90166	90168	90170	90172	60	90577	90579
80	90167	90169	90171	90173	80	90582	90583
					24" Long Silicon Carbide/Unit = 200 Belts		
Grit	1/4" W	1/2" W			Grit	1/4" W	1/2" W
60	90563	90567			60	90563	90567
80	90564	90568			80	90564	90568

### Dynapad® Platen Pads

#### Soft

For deburring and polishing contoured pieces.

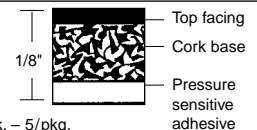
11025 – 1/2" W x 7" L x 1/8" Thk. – 5/pkg.  
11119 – 3/4" W x 7" L x 1/8" Thk. – 5/pkg.



#### Hard

For heavy deburring and polishing.

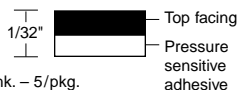
11026 – 1/2" W x 7" L x 1/8" Thk. – 5/pkg.  
11109 – 3/4" W x 7" L x 1/8" Thk. – 5/pkg.



#### Thin

For aggressive grinding.

11027 – 1/2" W x 7" L x 1/32" Thk. – 5/pkg.  
11129 – 3/4" W x 7" L x 1/32" Thk. – 5/pkg.



#### Metal

For flat grinding and heavy stock removal; bolts to contact arm.

11024 – 1/2" W x 3" L (for Dynaflex I 111286 Arm only)



# Important Operating, Maintenance and Safety Instructions

Carefully read all instructions before operating or servicing any Dynabrade® Abrasive Power Tool.

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

**Important:** All Dynabrade Rotary Vane air tools must be used with a Filter-Regulator-Lubricator to maintain all warranties.

## Operating Instructions:

**Warning:** Eye, face, respiratory, sound and body protection must be worn while operating power tools. Failure to do so may result in serious injury or death. Follow safety procedures posted in workplace.

1. With power source disconnected from tool, securely fasten abrasive/accessory on tool.
2. Connect power source to tool. Be careful **not** to depress throttle lever in the process.
3. Check tool speed with tachometer. If tool is operating at a higher speed than the RPM marked on the tool or operating improperly, the tool should be serviced to correct the cause before use.
4. Always work off the return side of the abrasive belt. This will ensure superior tracking and reduce down time of tool.

## Abrasive Belt/Contact Arm Change Instructions:

### To Change Belt:

1. Disconnect power source.
2. Remove cover.
3. Pull back on tension arm assembly.
4. Remove and replace abrasive belt and cover.
5. Connect power source.
6. Adjust belt tracking by turning **95218** Rough Adjustment Knob to the left or right accordingly while machine is running.

### To Change Contact Arm Assembly:

1. Disconnect power source.
2. Remove cover.
3. Pull back on tension arm assembly and remove abrasive belt.
4. Remove **95218** Rough Adjustment Knob.
5. Remove contact arm and replace with desired arm, making sure that the tab on the end of the arm is facing downward.
6. Replace **95218** Knob.
7. Install abrasive belt and cover.
8. Connect power source and adjust belt tracking by turning **95218** Knob to the left or right accordingly while machine is running.

## Housing Angle Adjustment:

To pivot housing, loosen **95311** Screw on housing with the supplied 9/64" hex wrench (P/N – **95134**). Pivot housing to desired angle and retighten **95311** Screw.

## Conversion of Air Motor to Die Grinder or Drill:

1. Remove cover and abrasive belt.
2. Loosen **95311** Screw.
3. Twist and pull housing from motor. Amount of force required may vary.
4. Using a 14 mm wrench (supplied in Dynaflex II Kits only) and pliers, twist the drive wheel counterclockwise and remove.
5. Hold the drive shaft with a 14 mm wrench (supplied in Dynaflex II Kits only) and attach collet or drill chuck (see accessories on back page).
6. Use a 19 mm wrench (supplied in Dynaflex II Kits only) to loosen and tighten collet cap.

## Maintenance Instructions:

Products offered by Dynabrade should not be converted or otherwise altered from original design without the expressed written consent from Dynabrade, Inc..

1. All Dynabrade Rotary Vane air motors should be lubricated. Dynabrade recommends one drop of air lube per minute for each 10 SCFM (example: if the tool specifications state 40 SCFM, set the drip rate of your filter-lubricator at 4 drops per minute). Dynabrade Air Lube (P/N **95842**: 1pt. 473ml. ) is recommended.
2. An Air Line Filter-Regulator-Lubricator must be used with this air tool to maintain all warranties. Dynabrade recommends the following: **11405** Air Line Filter-Regulator-Lubricator — Provides accurate air pressure regulation, two-stage filtration of water contaminants and positive-drip lubrication of pneumatic components. Operates 40 SCFM @ 100 PSIG has 3/8" NPT female ports.
3. Lubricate planetary gears through the grease fitting with 2 plunges for every 50 hours of use, to achieve maximum gear life (order **95542** Grease and **95541** Gun).
4. Frequent drainage of water traps in air lines is recommended.
5. Some silencers on air tools may clog with use. Clean and replace as required.
6. A Motor Tune-Up Kit (P/N **96174**) is available which includes assorted parts to help maintain and repair motor.

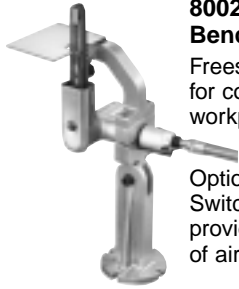
## Safety Instructions:

Products offered by Dynabrade should not be converted or otherwise altered from original design without expressed written consent from Dynabrade, Inc.



- **Warning:** Eye, face, respiratory, sound and body protection must be worn while operating power tools. Failure to do so may result in serious injury or death. Follow safety procedures posted in workplace.
- **Important:** User of tool is responsible for following accepted safety codes such as those published by the American National Standards Institute (ANSI).
- Tool RPM must never exceed abrasive/accessory RPM rating, regardless of tool capacity.
- Operate machine for 30 seconds before application to workpiece to determine if machine is working properly and safely before work begins.
- Always use proper guards. Make sure guards are in proper position, secure and in good repair.
- Always disconnect power supply before changing abrasive or making machine adjustments.
- Inspect abrasives and accessories for damage or defects prior to installation on tools.
- Please refer to Dynabrade's Warning/Safety Operating Instructions Tag (Reorder No. **95903**) for more complete safety information.
- **Warning:** Hand, wrist and arm injury may result from repetitive work, motion and overexposure to vibration.

## Accessories



### 80021 Dynamount Benchmount

Frees an operators hands for complete control of a workpiece.

Optional **80015** Foot Switch and hose assembly provides on-off foot control of air-tool operation.



### 96174 Motor Tune-Up Kit

Includes assorted parts to help maintain and repair motor.



### Dynamswivel®

Swivels 360° at two locations which allows an air hose to drop straight to the floor, no matter how the tool is held.

• **94300** 1/4" NPT



### 50010 1/4" Collet Assembly 50015 6mm Collet Assembly

#### Optional:

#### 50039 8 mm Collet Insert

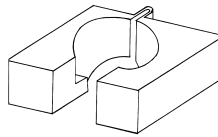
Fits inside 50015 Collet.

#### 50065 1/8" Collet Insert

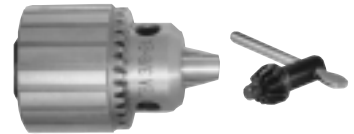
Fits inside 50010 Collet.

### 52296 Repair Collar

- Specially designed collar for use in vise.



### 53032 1/4" Drill Chuck



Includes: 53052 Mated Chuck Key.

### 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



### 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)

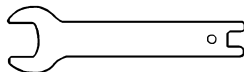
**95843:** 1 gal. (3.8L)



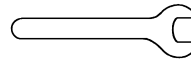
### 50971 Lock Ring Tool

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

## Wrenches



**95281** – 19 mm open-end.



**95262** – 14 mm open-end.



Visit our Web Site: [www.dynabrade.com](http://www.dynabrade.com)

Email: [Customer.Service@Dynabrade.com](mailto: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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