Models:

57570 - 3-1/2" Basic Wet, 3/16"

57572 - 5" Basic Wet, 3/16"

57573 - 5" Deluxe Wet, 3/16"

57574 - 6" Basic Wet, 3/16"

57575 - 6" Deluxe Wet, 3/16"

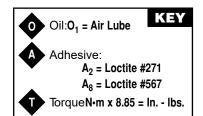
57582 - 5" Basic Wet, 3/32"

57583 - 5" Deluxe Wet, 3/32"

57584 - 6" Basic Wet, 3/32"

57585 - 6" Deluxe Wet, 3/32"

57620 - 6" Deluxe Wet, 3/16'

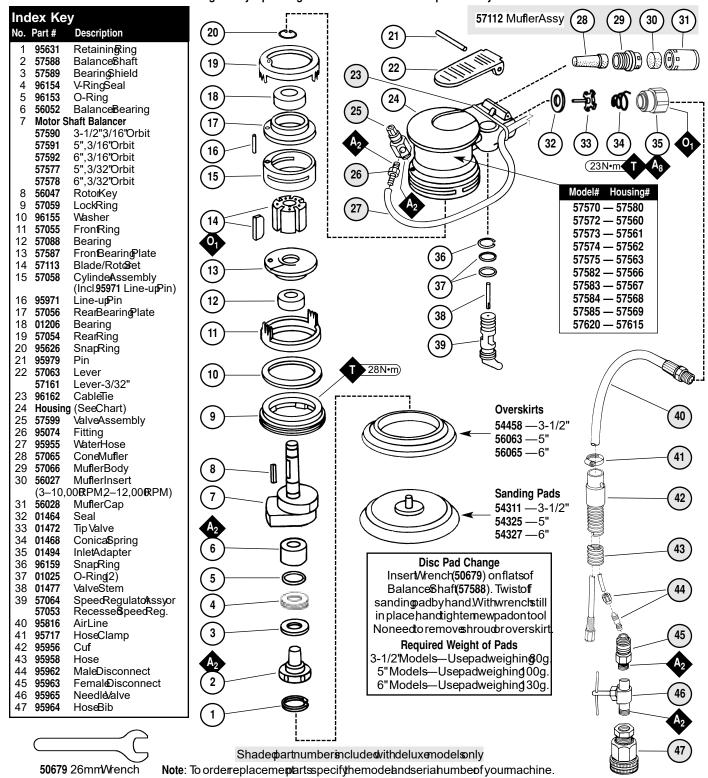


Wet Dynorbital® **Supreme**

10.000 & 12.000 RPM Air Powered Random Orbital Sander

A 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.



Important Operating, Maintenance and Safety Instructions

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

Warning: Handwristandarminjurymayresulfromrepetitivevorkmotiorandoverexposutevibration.

Important: All Dynabradætarwaneairtoolsmustbeusedwitha Filter-Regulator-Lubridætoraintaiallwarranties.

Operating Instructions:

Warning: Eye, face, respirator, sound and body protection with beworn while operating owe tools. Failure to do so may result in seious injury or death. Follows a fet y procedure so stedin work place.

- 1. Withpowersourcedisconnected britool, securel gasterabrasiv (accessor gritool.
- 2. Instalairfittingntoinletbushinonftool.
 - Important: Securenletbushinon foolwitha wrenchoeforeattemptinto installtheair fitting o avoiddamaging alvebody housing.
- 3. Connectowersource tool. Becareful not to depresent not the ever in the process.
- 4. Checktoolspeedwithtachometellf toolis operating ta highespeedhantheRPMmarkeonnthetoolor operating mpropey, the toolshould be service to correct he cause before use.

Maintenance Instructions:

- Checktoolspeed egularly with a tachometel fool is operating to highespeed than the RPM marked on the tool, the tool should be serviced or correct he cause before use.
- 2. Somesilencersnairtoolsmayclogwithuse.Clearandreplaceasrequired.
- All DynabradætaryvanæirmotorsshouldbelubricatedDynabradæcommendsnedropofairlubeperminuteforeach10SCFM (exampleft the toolspecificationsstates40SCFMsetthedriprateofyourfilter-lubricatet4 dropsperminute).
 DynabradæirLube(P/N95842: 1 pt.473ml.)is recommended.
- 4. It is recommend that all Dynabrad to tary an earit tool shoused with a Filter-Regulator-Lubric to the possibility of misus eductouncle anair, we tair or insufficient ubrication Dynabrad the commend the following to 1405. Air Line Filter-Regulator-Lubric at the review of the target of the commend that the regulation of the target of target of the target of target of the target of t
- 5. Useonlygenuin@ynabradæplacemeptarts.To reordereplacemeptarts,specifytheModel #, Serial #, andRPM of yourmachine.
- 6. AMotorTine-UpKit(P/N96018) is available/hichinclude: assorte parts to helpmaintair motor in peek operating and ition.
- MineraspiritsarerecommendendhencleaninghetoolandpartsDonotcleantoolorpartswithanysolventsproilscontaimigacidsesterskeytones, chlorinateldydrocarbonos nitrocarbons.

Safety Instructions:

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







- Important: Useroftoolis responsiblierfollowingcceptedafetycodessuchasthosepublishebytheAmericanNationaStandardInstitute(ANSI).
- Operatenachineoroneminutebeforeapplication workpiecto determinis machines workine properlyand safely before work begins.
- Alwaysdisconnectowesupplybeforechanging brasive/accessorymakingmachinedjustments.
- Inspectabrasives/accessofierslamager defectsprior to installation ntools.
- Please eferto Dynabracks Warning/Safe Operatin Instruction Tag (Reordel No. 95903) for more completes afetyin formation.

Notice

All Dynabradenotors use the highest quality parts and metals available ndare machine to exacting olerances. he failure of quality pneumatimotors can most often be traced o an unclear air supply or the lack of lubrication. Air pressure as illy force solir tor water containe in the air supply into motor bearings ausings are ly failure it oftens cores the cylinde walls and the rotor blades esculting il limite deficiency and power. Our warrant poligations contingent por properuse of our tools and cannot apply to equipment which as been subjected misus a unclear air, wet air or a lack of lubrication during the use of this tool.

	Model Number	Motor HP (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Air Flow Rate CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
3	3 ¹ / ₂ ", 10,000RPM	.24(179)	10,000	3-1/2(89)	76dB(A)	2/16(453)	90(6.2)	2.1(1.0)	6 (152)	3-3/4'(95)
	5",10,000RPM	.24(179)	10,000	5 (127)	77dB(A)	2/16(453)	90(6.2)	2.1(1.0)	6-1/2(165)	3-5/8'(92)
	6",10,000RPM	.24(179)	10,000	6 (152)	74dB(A)	2/16(453)	90(6.2)	2.2(1.0)	7 (178)	3-1/2'(89)
	57620	.28(209)	12,000	6 (152)	75dB(A)	3/18(510)	90(6.2)	2.2(1.0)	7 (178)	3-1/2'(89)

Addition&pecification&pindle5/16"-24Female AirInletThreadI/4"NPT · HoseSize1/4"(8mm)

Motor Assembly/Disassembly Instructions - Wet Dynorbital® Supreme

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

Acompleteepailkit, partnumbe57098, is available whichincludes peciatools for correct lisassembles semble fool.

To Disassemble:

- 1. Disconnectoolfrompowersource.
- 2. Invertnachinandsecuren vice using 57092 Colla (supplied 57098 Repai Kit) or padde daws.
- 3. Removeandinepadwith26mmpen-end/rench/supplied/ithsanderandshroudbroverskirt.
- Inser56058 LockRingTool(suppliedn57098 RepailKit)intocorrespondintgbsoflockringandunscrew MotormaynowbeliftedoutforserviceNote: To getit startedusea 26mmwrenchforleverage.
- 5. Removeockring, washerfrontring and rearring from motor
- 6. Remov@5626 SnapRing,motormaynowbedisassembled.
- Remove herearplateand the cylindeas sembly y securing he cylindein a bearing separatogrippe on the
 cylindeex hause and extrapocketarea. Pushthemotors haftbalance through the bearing.
- 8. Removementor vanes and rotor keyfrom the motors haft balance Remove the front plateusing a small (#2) arbor press Support heedges of the front platewhile pressing on the small end of the motors haft balancer
- 9. a.)If, duringstep7, the frontplate and 57088 Bearing emaint og ethe press 57088 Bearing utof the frontplate using 57091 Press Tool (supplied 57098 Repai Kit) as shown Drawing 1.
 - b.) If, duringstep7, frontplateand57088 Bearingemainsnmotoshaftbalanceit canberemoved/itha bearingseparatoi
- 10. Remov@1206 Bearin@romtherearplatebyusinga bearin@resstool.
- 11. Disassemblaebalanceassemblasfollows:
 - a.)Placemotoshaftassemblintoa softjawvise. Usinga thinscrewdrivenickouttheendof 95631 SnapRingand peelout. This will loose the balance assembly
 - b.)Screwthethreade portion of the 56056 Bearing uller (supplie in 57098 Repai Kit) into the 57588 Balance Shaft and heat the outside of the motors haft balance to approximate 200°F (approximate 10) seconds with a propane or chi) Now using the slide weight pull the assembly ut. Remove 6153 O-Ring roms haft balancer
 - c.)Pressoff 56052 Bearingvitha bearingseparatoandremovev-ringsealandwasher
- 12. If duringstep10, the 56052 Bearingemain in the motors haft balance it can be remove by the heating he shaft balance again and using either an inside bearing puller or a blindhole bearing puller.

To Assemble:

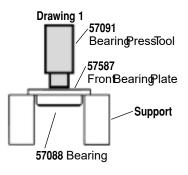
Important: Becertairpartsareclearandin goodrepailbeforæssembling.

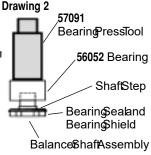
- 1. Assemblehebalanceassemblasfollows:
 - a.)Instal95631 SnapRingonto57588 BalanceShaftInstal96154 V-RingSealwiththinedgefacingup. Becertairthatsealis pressedall thewaydowrintogrooven balanceshaft.
 - b.)Placea smallamounof pneumatitooloil on the thin edge of seal Place 57589 Washeron to seal and centeit.
 - c.)Apply1 dropof#271Loctitê(orequivalent)ndspreadoverseveraplacesaroundheinsidediameteofthe 56052 Bearingandtheoutsidediameteofthe57588 BalanceShaft.
 - d.) Pressit 56052 Bearingvithseals idetowardnex of balances haftup to shaftstep as shown in **Drawing 2**. This must be a firm pressit for proper etention of bearing Thewashemus becentered on the edge of the v-ring seal is not pinched in the I.D. of the washer if it is, a thin screwdrive must be used to prythe edge out from the I.D. and onto the face of the washer
- 2. Placemotorshaftbalancein a softjawvisewithlargeendupandplaceo-ringintoseconogroovein shaftbalancer
- 3. Apply1 dropof#271Loctitê(orequivalenta)ndspreadoverseveraplacesaroundheinsidediameteofthemotor shaftbalanceaftertheo-ringSlidebalanceassemblijntomotorshaftbalanceuntil56052 Bearingsfirmlyseated at bottomSqueez65631 SnapRingintogrooven motoshaftbalanceto complettheassemblyRemov@fromvise.
- 4. Press57088 Bearingontothemotoshaftbalancedowntotheshouldeasshown Drawing 3.
- 5. Press57587 FrontBearingPlateonto57088 Bearingsshownin Drawing 4 and checkfors mooth to tation.
- Placethe 57090 Rotorand 56047 Rotor Keyontoshaftbalance Placethe 56073 Vanes into the rotors lots.
 Note: Vanes should be lightly lubricate with Dynabrad ir Lube P/N 95842 (or equivalent) efore installation.
- $\textbf{7.} \quad \textbf{Place} \textbf{57058} \ \textbf{Cylinde} \textbf{Assembly} verrotor \textbf{The "short \"{line-up} ingoestoward} \textbf{he front plate}.$
- 8. Place57056 RearBearingPlate(with01206 RearBearingpresseithtoplace) pvershaftand "long'endofline-up pinandpressit in placeas shown Drawing 5.
- 9. Place 95626 Snap Ringin groove.
- 10. Place57054 RearRingovertherearplateandline-uppin.Turnthemotopoverandplace57055 FrontRingoverthe frontplatemakingsurethatthe "legsandfingersönthefrontandrearringsline-upAlsothesmalbut-outsnboth ringsshouldine-upwiththesquareholesinthecylinder/endplatesemblyPlace96155 Washeand57059 Lock Ringontothefrontringwith1 dropof pneumatitooloilspreadbetweethewasheandlockring.
- 11. Securemotorhousingnivise using 57092 Collaror padde glaws. Sprea 2-3 dropsof pneumatitooloil around the housing pore for ease of insertion of motor assembly Slidemotor assembly not secure thousing.

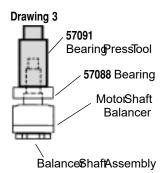
 Note: Becertain in e-uppinenter the pocketnithe bottom of the housing and the "legs" of the rings stay in line.
- 12. Tighterlockringwith56058 LockRingToolto 28N•m/250in.- lbs.) Attachshroudbroverskinandweight-mated sandingpad.

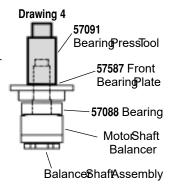
Motor Assembly Complete. Please allow 30 minutes for adhesives to cure before operating tool.

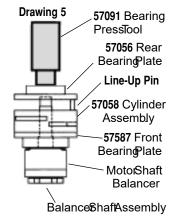
(continuednnextpage)











Motor Assembly/Disassembly Instructions - Wet Dynorbital® Supreme

Valve and Speed Regulator Assemblies:

- 1. Securenousing viceusing 57092 Collar paddedaws.
- 2. Removenletbushing 1468 Springhingevalveand 01464 Sealfromhousing.
- 3. Remov@5697 SnapRingPressthespreadegulatoandvalvestemoutofthehousingRemov@he01025 O-Ring\$2).
- 4. Placenew01025 O-Ring \$2) on the speed egulatoand place in housing with valvestem Instalhew95967 SnapRing.
- 5. Placenew01464 Sealin housingusingtweezers rneedlenosepliers Placethetip valveintohousings othat the pingoesthrough the valvestem hole.Placenew01468 Springntohousingsosmallendistowardipvalve.
- 6. Spread dropof#271Loctitê(orequivalent)roundhethreadofthefirstinletbushingandtightenntohousingo 23N•m/200in.- lbs.

Note: Motoshouldperateat betwee 9,500and 10,000RPMat 6.2 bar (90PSIG for 10,00RPM tools and between 1,500and 12,000RPM to 6.2 bar (90PSIG for 10,00RPM tools and between 1,500and 12,000RPM to 6.2 bar (90PSIG for 10,00RPM tools and between 1,500and 12,000RPM tools and between 1,500and 12,000APM tools and bet PSIGjor12,000RPMtoolsRPMshouldbecheckedvithareedtachometeBeforeoperatingyerecommentthat2-3dropsofDynabradeAirLube P/N95842 (orequivalent)eplacedirectlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse@peratehemachineorapproximatetlyntotheairinletwiththrottleverdepresse. application workpiecte determinis machines workin properly and safely and to allow ubricating ilsto properly dispense through machine. Loctite is a registeret trademark of the Loctite Corp.

Random Orbital Sanding Pads.

Perfectly balanced and weight-mated to Dynorbital® Supreme Random Orbital Sander. Premium Urethane ResistsHeatBuild-Up-Availablen Softor Medium Density







Vinvl-FaceorPSAdiscsandHook-Faceorreattachablecrim-backediscs.

Rubber with Vinyl-Factor PSADiscs



Rubber with Vinyl Face for PSADiscs "PostPatterhforEnhanceVacuumPick-Up





Rubber withHook-Fac@ondNap?for AbrasivempregnateNdon-WovenNylorDiscs



3-1/2"5" and 6" diameted is coad shave 5/16"-24 malethreade stud. The3-1/2 diametediscs without oles can be used on vacuum and non-vacuum 1/2 Dynorbita Supremeanders.

Premium Urethane Disc Pad Part Numbers by Pad Diameter								
Disc Pad Description	3 1/2"	5"		6"				
	No Holes	No Holes	Holes	No Holes	Holes			
SoftDensitl/Mnyl-FactorPSADiscs	56097							
SoftDensit/LowProfileVinyI-FaceorPSADiscs		56102	56100	56103	56101			
SoftDensit/Hook-FactShortNap"forScrim-Backtओiscs	54311	56157	56155	56158	56156			
MediumDensitl/Mnyl-FactorPSADiscs	56098							
MediumDensit/LowProfileVinyl-FaceorPSADiscs		56106	56104	56107	56105			
MediumDensit/Hook-FactShortNap?forScrim-BacktDiscs	54313	54325	54326	54327	54328			

Rubber Disc Pad Part Numbers by Pad Diameter								
Disc Pad Description	3 1/2"	5"		6"				
·	No Holes	No Holes	Holes	No Holes	Holes			
MediunDensit/Mnyl-FactorPSADiscs		50630	50631	50632	50633			
MediumDensit/PostPatter/Mnyl-FactorPSADiscs			50695		50696			
MediumDensit/JHook-FactShortNap*forScrim-BacktDiscs								
MediumDensit/Hook-Fac@LongNap?forNon-WovenNylorDiscs	;	50605	50607	50606	50610			

Unit=10PadseachOn5" and6" pads noholes refers to non-vacuus tyles and in mads.



96018 Motor Tune-Up Kit: Includeassorte darts to help maintainandrepainmotor



57098 Motor Repair Kit:

Includespeciatoolsforproper disassembly/assemblyhe Wet Dynorbita Supreme.

