

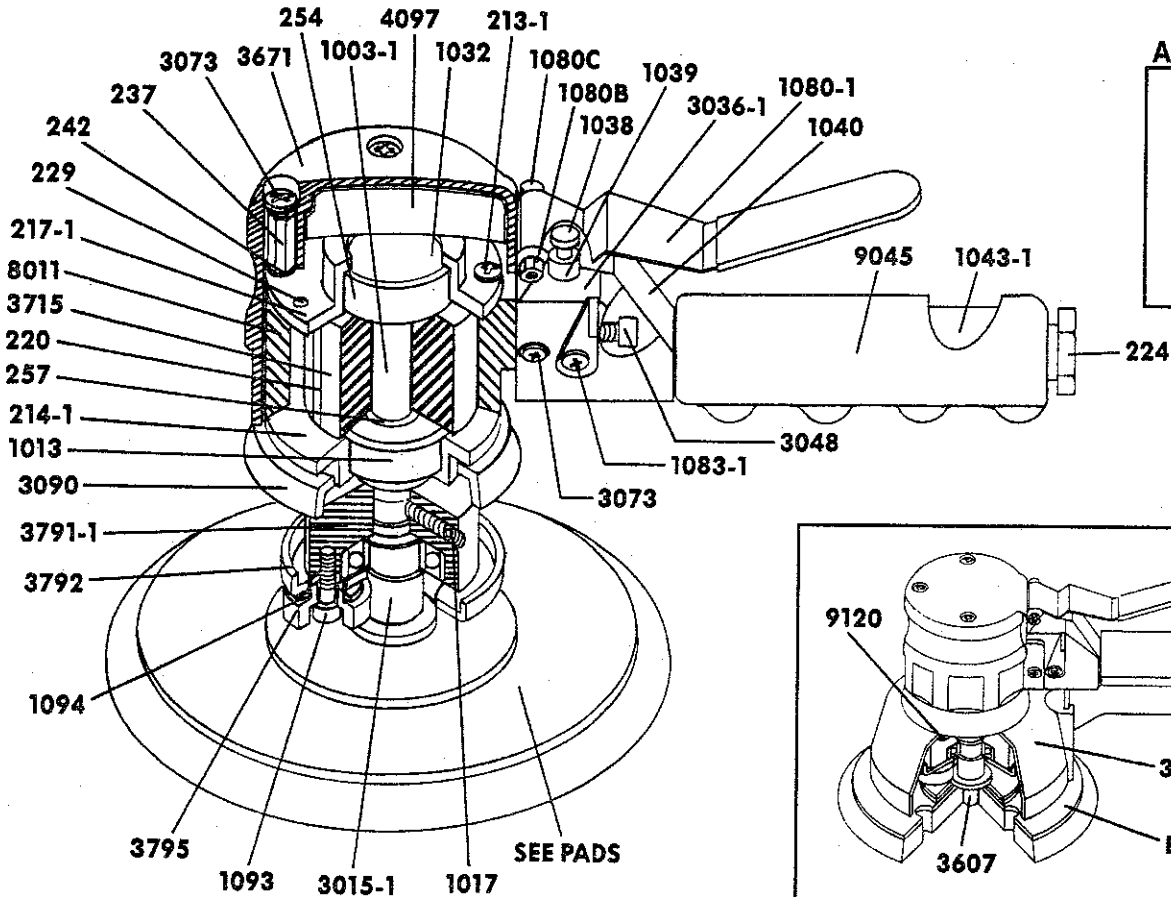


National Detroit, Inc.

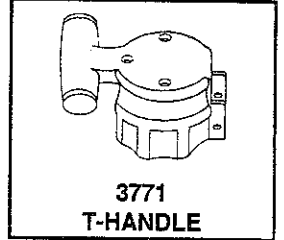
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MODEL EZQ EZQ-DE

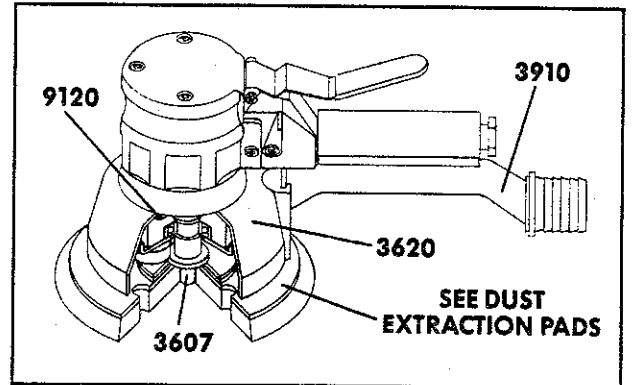
Shipping Address:
 1590 Northrock Court
 Rockford, IL 61103



ACCESSORY PART



EZQ-DE



Part No.	Description
213-1	Motor Screw (4)
253	Nut, Motor Screw (1)
237	Nut, Cover Mounting (3)
242	Lockwasher, Cover Mounting Nut (4)
214-1	Lower Motor Bearing Plate only
3214	Lower Bearing Plate with 1013 Bearing
217-1	Upper Motor Bearing Plate only
1217	Upper Bearing Plate with 254 & 1032
220	Rotor Blade (5)
224	Screen Plug
229	Dowel Pin (4)
246-1	Valve Spring
250	Valve Pipe Plug
254	Ball Bearing Upper Motor
257	Shim (sizes available .001 thru .006, .010 and .015)
1003-1	Motor Rotor Shaft
1013	Ball Bearing Lower Motor
1017	Set Screws for Drive Head (2)
1032	Gasket, Upper Motor Bearing
1037	Valve Ball
1038	Valve Stem
1039	Valve Stem Sleeve
1040	Valve Lever
1042	Valve Lever Jam Nut
1043-1	Handle
1080-1	Valve Lever Booster Assembly
1080-B	Valve Lever Bracket Nut

Part No.	Description
1080-C	Valve Lever Bracket Screw
1083-1	Speed Control Regulator Assembly
1093	Screw, Lock Ring Attaching
1094	Tension Washer
3015-1	Bearing and Shaft Assembly
3036-1	Valve Assembly with 1083-1
3048	Valve Screw (2)
3073	Cover Screw with Washer (5)
3090	Skirt
3671	Cover
3715	Rotor
3791-1	EZ Head Assembly
3792	Lock Ring
3795	Balance Weight
4097	Muffler Material
8011	Cylinder
9045	Handle Grip, Black
Dust Extraction Parts	
3550	DE Conversion Kit with 5" Pad
3650	DE Conversion Kit with 6" Pad
3910	Air Tube Handle
3620	Shroud
3606	5/32 Allen Wrench
3607	Pad Shaft Screw
9120	Mounting Screws (4)
Accessory Parts	
3771	T-Handle Cover

MODEL	PAD DESCRIPTION	SIZE			
		3 INCH	4 INCH	5 INCH	6 INCH
EZQ 5/16 - 24 Stud	Glue on (Canvas)		3062-4	3062-5	3062-6
	PSA (Vinyl)	4062-3	4062-4	4062-5	4062-6
	PSA Tapered Edge Fiber Backed			4042-5	4042-6
	Hook and Loop	3977-3	3977-4	3977-5	3977-6
	Hook and Loop Tapered Edge Fiber Backed			4047-5	4047-6
	Molded PSA (Vinyl)	4862-3		4862-5	4862-6
	Molded Hook and Loop	4677-3		4677-5	4677-6
EZQ-DE 5/16 - 24 (Female)	PSA Tapered Edge Fiber Backed			4082-5	4082-6
	Hook and Loop Tapered Edge Fiber Backed			4087-5	4087-6
	Molded PSA (Vinyl)			4882-5	4882-6
	Molded Hook and Loop			4877-5	4877-6

Pads

(Use National Detroit pads only. Sanders are balanced for use with these pads.)

See pad and abrasive application sheet. Contact National Detroit with details of special requirements for factory recommendations.

NATIONAL DETROIT MODEL EZQ DUAL ACTION SANDER OPERATING INSTRUCTIONS

This dual action tool has all the power needed for forming and shaping all material. It can be used to sand primer surface sealers, old finishes, oxidized paint, and road film. The smooth action eliminates hand sanding for final plastic patch finishing, for drop coats, base coats, fine feather edging and polishing clear coats.

LOCK RING: The patented lock ring on the driving head is used to remove and replace the pad. Push the lock ring in at the "Push Lock" mark to lock the pad shaft to remove and replace the pad. Push the lock ring at "Push Unlock" after pad replacement. This permits the pad shaft to turn free for proper action.

AIR PRESSURE: 60 PSI maximum at the sander. Excessive air pressure can retard sanding efficiency. When connected to higher air pressure, adjust the speed control lever on the left side of the valve for best operating speed. Running the sander "free

or wild" on higher air pressure can result in injury or damage. Never run the sander off the work.

LUBRICATION: Lubrication should be performed daily. Put several drops of light oil (10 weight) through the air intake daily. This will prolong the tool life and prevent rust formation in the motor. If the tool is used in conjunction with an air line oiler, it should be adjusted to admit no more than 1 drop every 5 minutes. Excessive oil flow can cause an oil film deposit on the work.

MOISTURE AND FILTER TRAP: Clean dry air is important to prevent rust and excessive wear. Use a good line filter on each outlet. Open petcock every morning to drain accumulated water. Keep the intake filter on your air compressor clean, or plastic and paint dust will be drawn into the air lines. Drain water and sludge from compressor storage tank every day.

SERVICING INSTRUCTIONS

REMOVING DRIVE HEAD ASSEMBLY: Loosen two (2) Set Screws Part 1017 under Instruction Tape and Assembly comes free of Motor Rotor Shaft.

Lock Ring Part 3792 is removed by unscrewing Attaching Screw Part 1093. Note position of tongue on Lock Ring for proper reassembling. See sketch for position of parts. Securely tighten screw.

Part Number 3015-1 (Bearing and Shaft Assembly) is removed by pressing out of DA Head. When reassembling be sure pressure is on rim of bearing's outer race only, otherwise bearing will be damaged. Stake 4 locations on Housing Rim. File off burr before reassembling Lock Ring.

DISASSEMBLING AIR MOTOR: Cover is removed by pulling up over Motor and Air Valve. Motor disassembled by removing four (4) Motor Screws, Part 213-1. Hold Motor in hand and tap Rotor Shaft Part 1003-1 with soft nose hammer to disengage Upper and Lower Motor Bearing Plates from Motor Cylinder. **CAUTION**—Do not bend Dowel Pins. If Dowel Pins remain in Motor Cylinder do not damage in removing.

Remove Rotor Blades Part 220 from slots in Rotor.

To remove Upper Motor Bearing Plate from Bearing and Rotor Assembly, place support under Plate and press on Bearing, Part 254.

When removing the Motor Bearings and Rotor from Rotor Shaft, loosen Set Screw in Rotor. There are Shim Washers of varying thickness between Bearings and Rotor, at each end. **NEW BEARINGS REQUIRE RESPACING.**

Press Rotor and Shaft Assembly into Lower Motor Bearing Plate, Part 214-1.

Insert Rotor Blades Part 220 in Rotor slots with straight edge out. Turn Rotor Shaft by hand to be sure Blades do not bind. Press Upper Motor Bearing Plate onto Rotor Shaft with proper Shims in place. Apply pressure on Inner Race of Bearing (to prevent brinelling) until bearing is full-seated on Rotor Shaft. Insert Dowel Pins. **CAUTION**—Insert but do not tighten Motor Screws, Part 213-1. Connect air line to sander and run Air Motor to be sure nothing binds. Tighten Motor Screws.

CAUTION: READ AND OBSERVE THE ENCLOSED WARNINGS AND SAFETY RULES FOR SAFE OPERATION.