

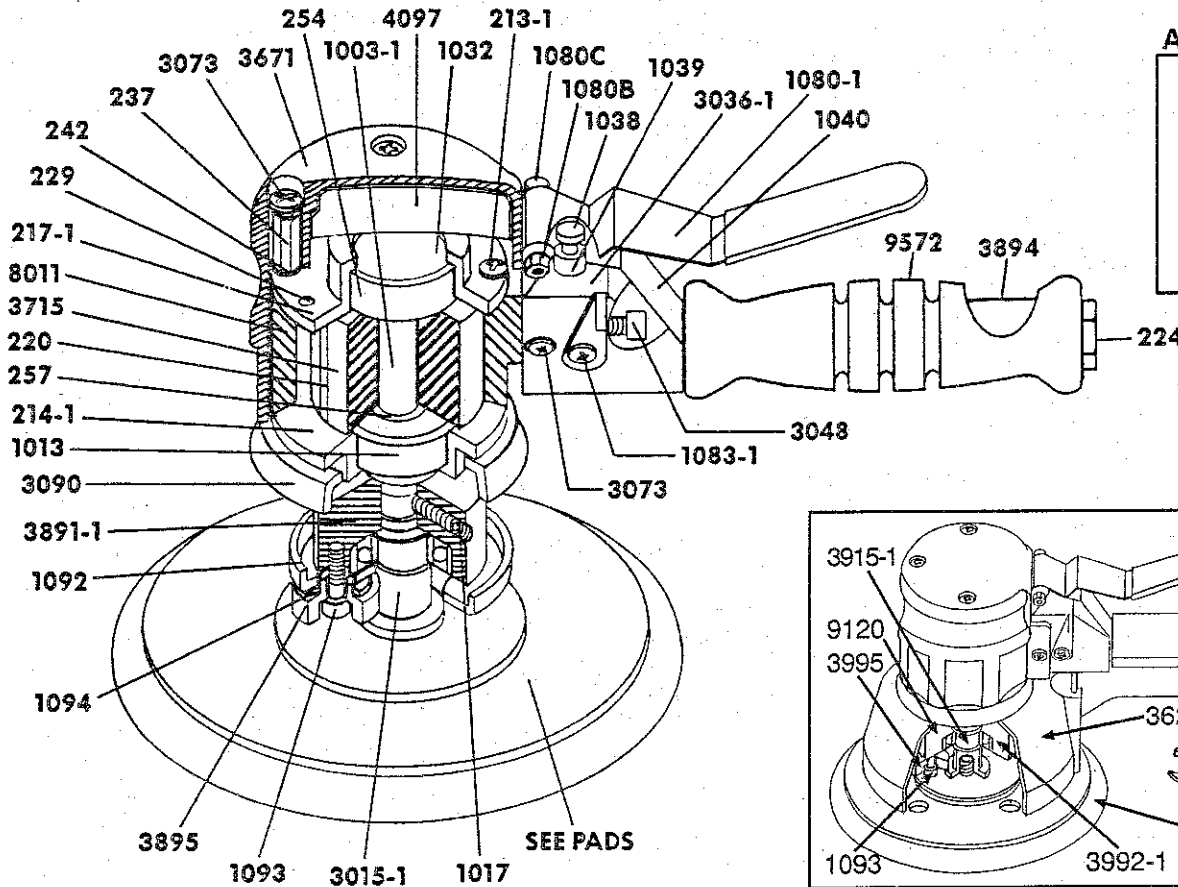


National Detroit, Inc.

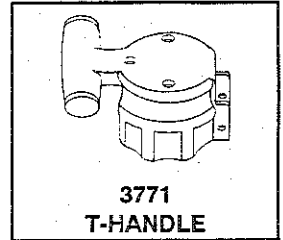
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MODEL EZLS EZLS-DE

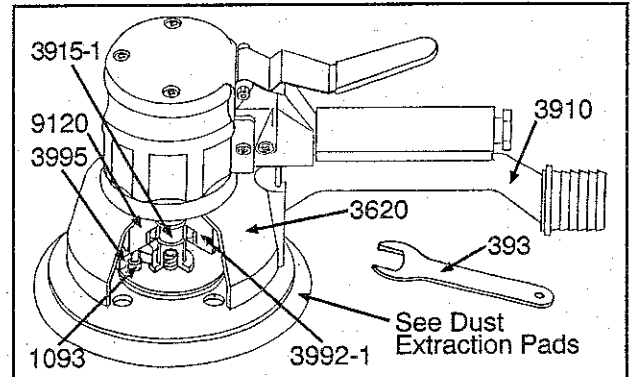
Shipping Address:
1590 Northrock Court
Rockford, IL 61103



ACCESSORY PART



EZLS-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
1080-1	Valve Lever Booster Assembly
1080-B	Valve Lever Bracket Nut
1080-C	Valve Lever Bracket Screw
1083-1	Speed Control Regulator Assembly

Part No.	Description
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)
3671	Cover
3073	Cover Screw with Washer (5)
3090	Skirt
3715	Rotor
1092	Lock Ring
3891-1	LS Head Assembly
3892	Handle Only
3893	Handle Adaptor
3894	Handle Assembly
3895	Balance Weight
4097	Muffler Material
8011	Cylinder
9572	Foam Grip
Dust Extraction Parts	
393	Wrench
3620	Shroud
3910	Air Tube Handle
3915-1	DE Pad Shaft
3992-1	DE Head Assembly
3995	DE Balance Weight
9120	Mounting Screws (4)
Accessory Parts	
3771	T-Handle Cover

See other side for pad information

MODEL	PAD DESCRIPTION	SIZE			
		3 INCH	4 INCH	5 INCH	6 INCH
EZLS 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 Glue On (Canvas)			3662-5	3662-6
	Molded PSA (Vinyl)	4862-3		4862-5	4862-6
	Molded Hook and Loop	4677-3		4677-5	4677-6
EZLS-DE 5/16 - 24 (Female)	Molded Hook and Loop			4177-5	4177-6
	Molded PSA (Vinyl)			4162-5	4162-6

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 EZLS 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 1092 is removed by unscrewing Attaching Screw Part 1093. Note position of flange 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 EZLS 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 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.