

SIMPLEX 910 LAPPER

SIP
SIMPLEX IDEAL PEERLESS



Thank you for selecting the Simplex 910 Lapper. We believe it is the finest industrial grade lapper for reel mowers available. Made with heavy gauge steel and cast iron, the Simplex 910 will provide years of efficient, trouble free service.

Safety Guidelines

The following is a list of general safety guidelines. Please read and understand these guidelines before proceeding. As is the case with most machinery, failure to operate it in a safe manner may result in injury. Please be careful.

- Keep all guards in place and functioning properly.
- Keep safety label clean and legible.
- Do not wear any loose clothing or jewelry which may get caught in the machinery. Secure long hair in a cap or net.
- Keep your work area clean and organized.
- Never leave lapper running while unattended.
- Motor must come to a complete stop before reversing.

Operation

The Simplex 910 is factory tested and shipped complete with jack stands. To use, plug into a grounded 115 volt outlet. (see motor plate for rewiring to 200-220 V 50/60 Hz).

Lapping consists of revolving the reel backwards while applying lapping compound evenly to the blades with a brush. This compound causes each reel blade to lap itself in with the bed knife resulting in a

perfect match of reel and bed knife.

Lapping is a satisfactory method of sharpening when the reel and bed knife blades are slightly rounded and do not cleanly cut the grass. Lapping is also used to create a land or flat after manually relief grinding the reel. Lapping should not be used to recondition reels with excessive rounding of the blades, bad nicks, or uneven bed knife wear.

Adjust the bed knife so that there is slight clearance all the way across. This will allow the lapping compound to get between the blades and may cause the bed knife to spring slightly while being lapped-in. If necessary, adjust the bed knife a second or third time after lapping has progressed as required.

Support the mower off the floor using the jack stands. Place the jack stands at the front of the mower and raise the support jacks so they just support the deck plate or spacing bar of the mower. The mower should be in position with the wheel off the ground and so the lapping compound will continue to run down between the blades

If necessary, remove which ever wheel is most convenient. Remove the pinion cover and pinion gear. On hand mowers, reverse the pawl so that the flat edge will be in a position to catch the driving coupler and revolve the reel backwards.

Place the Lapper in position, loosen the clamp screw which locks the pivoting radius arm and adjust the height of the drive shaft. Swing the outrigger leg to better stabilize the lapper.

Place the drive coupler (not supplied) on to the drive shaft and the mower. Turn on the Lapper so that it turns the reel backwards. If it is not turning backwards, turn the Lapper off, wait until it comes to a complete stop, then turn it on in the reverse direction. Continue to lap as necessary.

Replacing the Motor Belt

Loosen the bolts and foot pads which fasten the motor to the base (1 & 2.) Remove the bolt and foot pad which fasten the Base Guards (27 & 28) to the base. Slide the motor forward to loosen and remove the belt. Reverse the procedure to install the new belt.

Replacing the Radius Arm Belt

Remove the four screws (29) which hold the Arm Outer Guard (26) to the Arm Inner Guard (25). Loosen the set screw (17) which clamps the Eccentric Cam (16). Rotate the cam to loosen and remove the belt. Reverse the procedure to install the new belt.

Lubrication

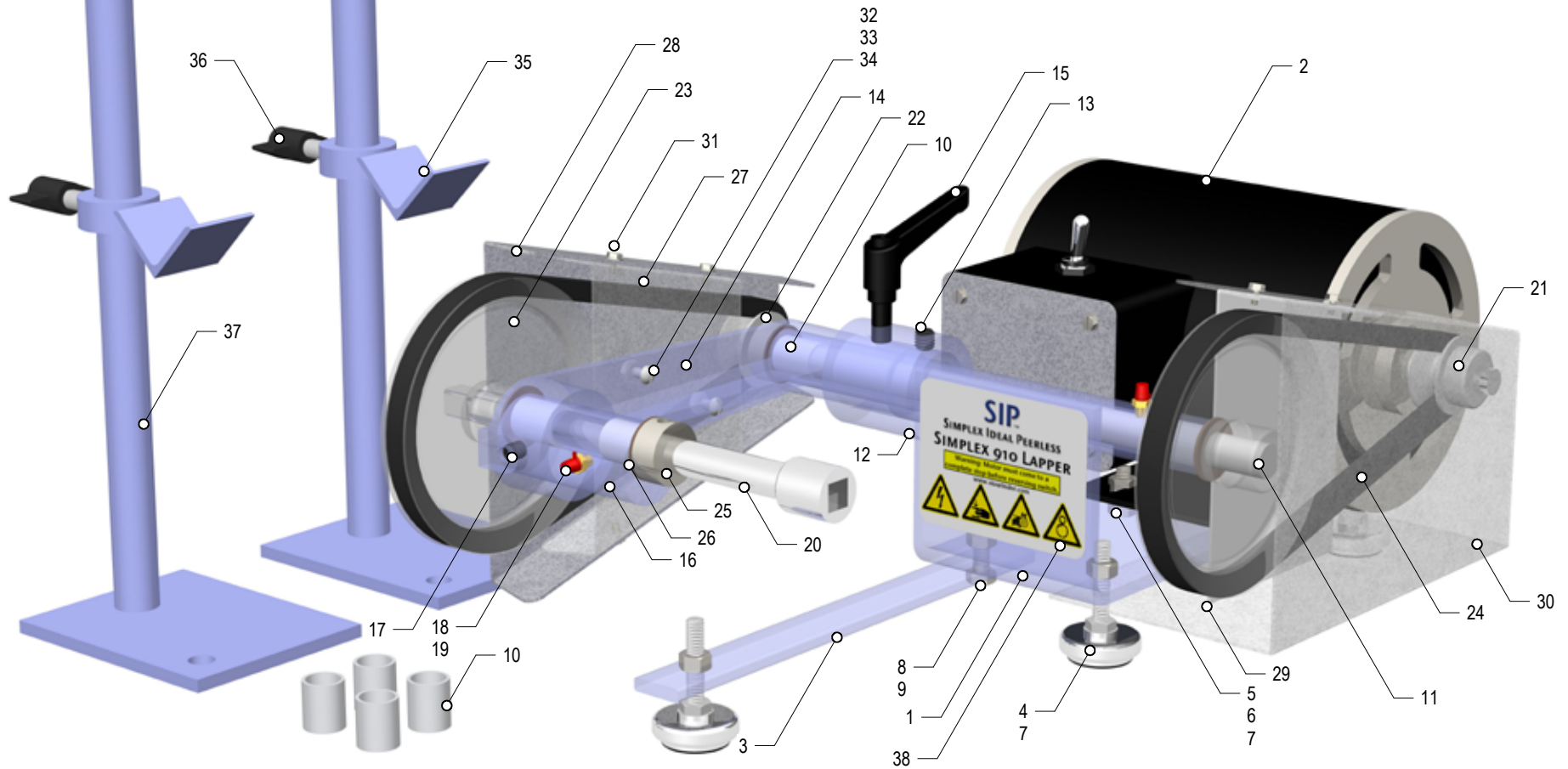
Grease both fittings at least once a month during normal usage.

Replacing the Bushings

Remove the belts as previously described. Remove the large pulleys (23) from each shaft. Remove each shaft (11 & 20). Remove and replace the bushings. A spare set of bushings is provided with the lapper. Reverse the procedure to reassemble.

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Item	Qty	Part Number	Description
1	1	77920-01	Lapper Base
2	1	77901-01	Baldor 1/2 hp Motor
3	1	77960-01	Outrigger
4	4	77955-01	Foot Pad
5	2	12305-06	5/16-18 x 3/4 Hex Cap Screw
6	7	12105-01	5/16 Lock Washer
7	11	12005-01	5/16-18 Nut
8	1	12305-10	5/16-18 x 1 Bolt
9	1	13605-01	5/16-18 Lock Nut
10	8	72164-01	J164 Bushing
11	1	77990-01	Idler Shaft
12	1	77945-01	Radius Arm Lock
13	1	12506-02	3/8-16 x 1/4 Set Screw

Item	Qty	Part Number	Description
14	1	77930-01	Radius Arm
15	1	77048-05	Locking Screw
16	1	77935-01	Eccentric Cam
17	1	12505-03	5/16-18 x 3/8 Set Screw
18	2	15010-01	1/4-28 Grease Fitting
19	2	15010-02	Red Grease Fitting Cover
20	1	77940-01	Shaft
21	1	77950-01	1.5 x .5 Pulley
22	1	77950-02	1.5 x .625 Pulley
23	2	77950-03	5 x .625 Pulley
24	2	73050-25	JD50 Belt (25 In)
25	1	74027-01	Collar
26	4	75052-01	Fiber Washer

Item	Qty	Part Number	Description
27	1	77965-01	Arm Inner Guard
28	1	77970-01	Arm Outer Guard
29	1	77975-01	Base Inner Guard
30	1	77980-01	Base Outer Guard
31	6	13101-02	#6 x 1/4 Sheet Metal Screw
32	2	12303-04	#10-24 x 1/2 Screw
33	2	12103-01	#10 Lock Washer
34	2	12003-01	#10-24 Nut
35	2	73034-01	JD34 Support Jack
36	2	73034-11	5/16-18 Bar Knob
37	2	74199-01	P199 Stand
38	1	70052-01	Label