

OPERATING INSTRUCTIONS AND PARTS LIST

For

The Little American Floor Sanding Machine

MODEL CK-10005

MODEL NO. _____ MODEL CK-10012 SERIAL NUMBER _____

Every American floor sander is complete, ready to run, and has been thoroughly tested in our plant before shipping. However, do not attempt to operate it before you have read these instructions carefully. American machines are the most easily operated sanding machines on the market and are capable of producing the highest quality of finish at a very rapid rate. It must be borne in mind that, as with any mechanical device, practice is necessary in order to gain proficiency in operating these machines. The inexperienced operator should not expect the maximum results the first few days he uses the machine.

LUBRICATION ●

It will pay you to keep your machine properly greased. Always use clean grease of the proper grade. A grease that is not perfectly clean will do more damage than good. Never attempt to use oils in grease chambers. Be sure to replace grease plugs each time you grease your machine.

If you operate your machine every day, you should naturally lubricate more often than if you operate it only occasionally. The table below will serve as a guide for how often to lubricate the various parts of your machine.

PART	LUBRICATION REQUIRED
Truck Wheel Bracket Bearing	1 or 2 times a month.
Truck Wheel Bearings	Oil every month.
Caster Wheel Bearings	Oil every month.

It is a good policy to take your machine to one of our numerous sales and service representatives once or twice a year for complete lubrication and inspection by factory trained mechanics. They will go over the entire machine and can provide and replace any worn parts such as grease seals, bearings, drum pad, etc.

CARE OF "V" BELTS ●

The "V" belts requires very little attention other than an occasional inspection to make sure that they have not stretched, causing them to slip in the grooved pulleys. An idler pulley is provided for the drive belts to keep them at proper tension.

DUST COLLECTOR ●

The dust collection system is of simple and efficient design. It consists of dust pan, fan housing, fan, discharge pipe and dust bag. The dust pan is quickly detachable for cleanout purposes. The discharge pipe is provided with a swivel joint in the goose neck which facilitates operation of the machine in close quarters and also serves as a cleanout joint. The dust collecting system is very efficient in operation and to keep it operating at maximum efficiency, the dust bag should be emptied when it becomes about 1/3 full.

CONTROL LEVER ●

The control lever at the upper end of the handle plays an important part in the operation of the machine. It is used at the end of each cut to raise and lower the drum from the floor. There is nothing to be gained by "crowding" the machine by applying additional pressure with the control lever, as the machine is designed to produce the maximum amount of work in a steady run and the motor is amply powerful to give full capacity of the machine. Never allow the sanding drum to rest on the floor while the machine is not in use. It will cause the drum pad to become flattened and effect the perfect working of the machine. Always leave the control lever in its upper position to hold sanding drum off the floor when the machine is not in use.

SECURING ABRASIVE PAPER TO DRUM ●

A sheet metal templet is supplied for use in cutting the proper sized sheet of paper from the roll. Unroll a sufficient length of paper from the roll so that the templet may be placed on the uncoated side of the paper with the side of the templet marked "This Side Up" on top. Match up the side edges of the templet with the edge of the paper, and then cut the paper at the angle indicated along each end of the templet. The templet should now be slid along the paper until the notch in the side of the templet registers with the end of paper. Now bend the other end of the paper, which projects from under the templet, up over that end of the templet.

Reverse the operation to crease the other end of the paper.

The paper is clamped on the drum by wrapping it around the drum and inserting the two folded ends into the drum slot. The clamp bars in the drum should be turned with their flat sides parallel with the drum slot to receive the ends of the paper and then should be turned simultaneously, with the two end wrenches provided for this purposes, to draw the paper into the clamps and thus tighten it around the drum. The paper should not be drawn too tightly around the drum as this will tend to make chatter marks on the floor. It should be tightened just enough so that it fits the drum without slack or wrinkles. When applying open coat paper of No. 4 or No. 4-1/2 grit, it will go into the drum slot much easier if the folded ends of the paper are pounded or scraped to remove some of the large abrasive grains. When applying paper of No. 1/2 grit or finer, it is necessary to insert a filler strip of No. 1-1/2 paper between the folded ends of the abrasive sheet when it is being clamped onto the drum.

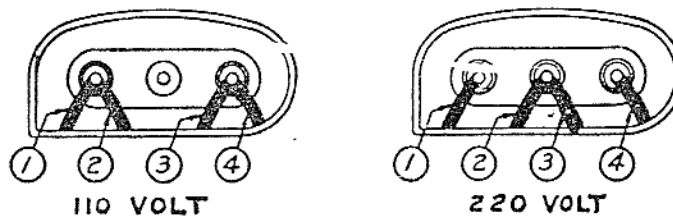
Never leave the paper clamped tight on the sanding drum when the machine is not in use. When the machine is not operating, the paper should be left very loose on the drum to prevent the drum pad from becoming permanently compressed at the drum slot. Should this condition occur, the machine will leave chatter marks and produce work of inferior quality.

ELECTRICAL CONNECTIONS ●

Before connecting the machine to the power source, take precaution to see that the machine switch is in its "OFF" position and that the sanding drum is off the floor. Connect the twist lock plug in the socket on the switch box of the sanding machine, and place the trailing wire in the cable arm. The wire arm consists of a steel rod with a short right angle bent at one end and a helical coil at the other. This is packed for shipping in the equipment package, and may be assembled by inserting the bent end into the hole in the cable arm bracket on the discharge pipe and securing it in place with a cotter pin. The trailing wire is wound between the coils on the end of the cable arm until it has passed completely through the coils, leaving it free to slide through the inside circle of the coils.

This machine may be connected to a wall plug, but preferably at the main fuse or distribution box and will not operate on lines fused with less than 25 or 30 ampere fuses. The best operation will be had when connected to a 220 volt supply, which should be used whenever it is available.

The Little American is equipped with a 110/220 volt, 50 or 60 cycle single phase motor and is connected for 110 volt operation at the factory. It is supplied with a terminal block and is changed as shown in diagram below.



Machine is equipped with a 3 prong plug. If the proper grounded receptacle is not available, use the adapter furnished with the machine. Be sure to ground the green wire on the adapter under one of the screws of a grounded outlet. If no grounded outlet is available, attach the green wire on the adapter to a grounded metal stake, pipe or wire.

TRAILING WIRE ●

We supply with each machine a heavy pure rubber covered trailing wire. American High Quality Trailing Wire is composed of three conductors of fine stranded copper wire, each strand being seamless rubber insulated and reinforced with a cotton braid of distinguishable colors to determine polarity. These three strands are then inbedded in a rubber casing, giving the cable the appearance of a single wire. It is kink, oil and curlproof and consequently of long service. Its feature of pliability enables one to recoil it quickly and without injury, and it also follows the machine easily.

OPERATION ●

After the machine is connected to the current supply and the drum is off the floor, turn on the machine switch. Start sanding by simultaneously moving the machine slowly forward and gently lowering the sanding drum into contact with the floor by means of the control lever. After the drum is against the floor, the right hand may be removed from the control lever and used on the steering handle to control machine. Keep the machine moving by walking slowly forward, taking short steps and keeping your feet up close to the machine.

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At the end of the forward cut, the sanding drum must be raised clear of the floor before the machine comes to a standstill. To start the backward cut, the machine must again be in motion as the drum is lowered in contact with the floor. If the machine were allowed to come to a standstill with the drum running in contact with the floor, a deep groove would result at this point.

DRUM LEVELING ●

This machine is equipped with a new improved drum leveling device. If due to wear of the drum pad or for any other reason, the drum cuts heavier on one side than on the other, the drum may be leveled as follows:

The shaft of the left side truck wheel is mounted in a brass eccentric disc. This disc is held in place by a split clamp and set screw on the end of the truck wheel arm. Leveling of the drum is accomplished by loosening the clamp screw and the set screw and turning the eccentric disc which raises or lowers the left truck wheel with respect to right truck wheel. By means of this adjustment the drum may be made to contact the floor equally along the entire width of cut. To avoid cracking the wheel arm casting when tightening the eccentric disc in its new position be sure to tighten the clamp screw BEFORE pulling up the set screw.

CAUTION

It is wise to observe the following "Cautions".

Do not fail to raise the drum from the floor at the end of each cut before the machine comes to a standstill.

Always keep drum off the floor when machine is not in use. Take short steps when operating the machine.

Use abrasive paper for sanding drum — sandpaper is not suitable. For the benefit of our machine owners we supply a high quality abrasive paper at a reasonable price — send for price list.

Clean the treads of the truck wheels from time to time to prevent them from causing the drum to cut waves into the floor.

If you blow a fuse in starting the machine, replace it with a fuse of 30 ampere capacity.

Never place weights on your machine to increase the drum pressure. The maximum drum pressure is carefully determined at the factory. Exceeding this pressure will not increase the capacity and is liable to overheat the motor.

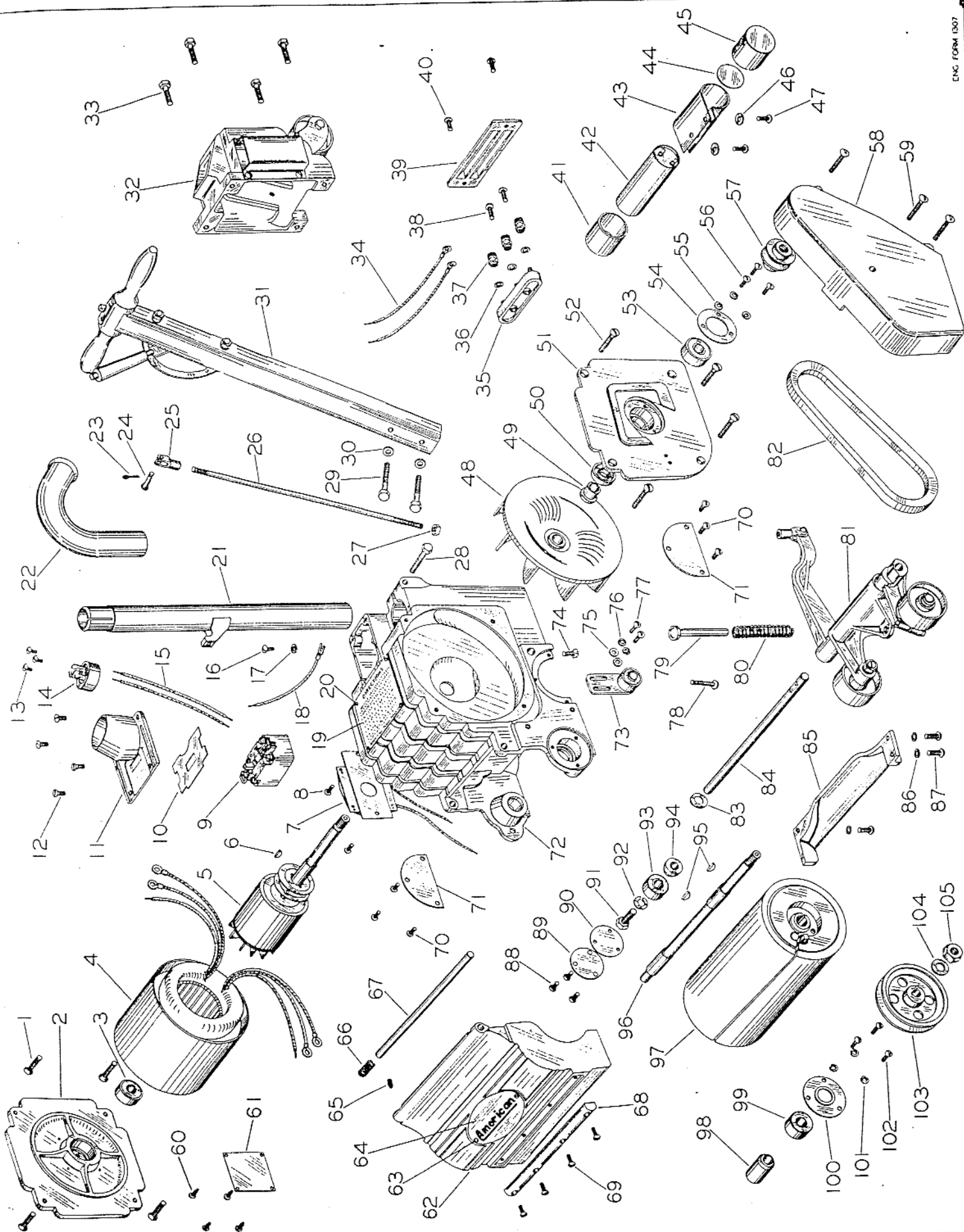
Use an American Spinner for a perfect job on the edges of the floor.

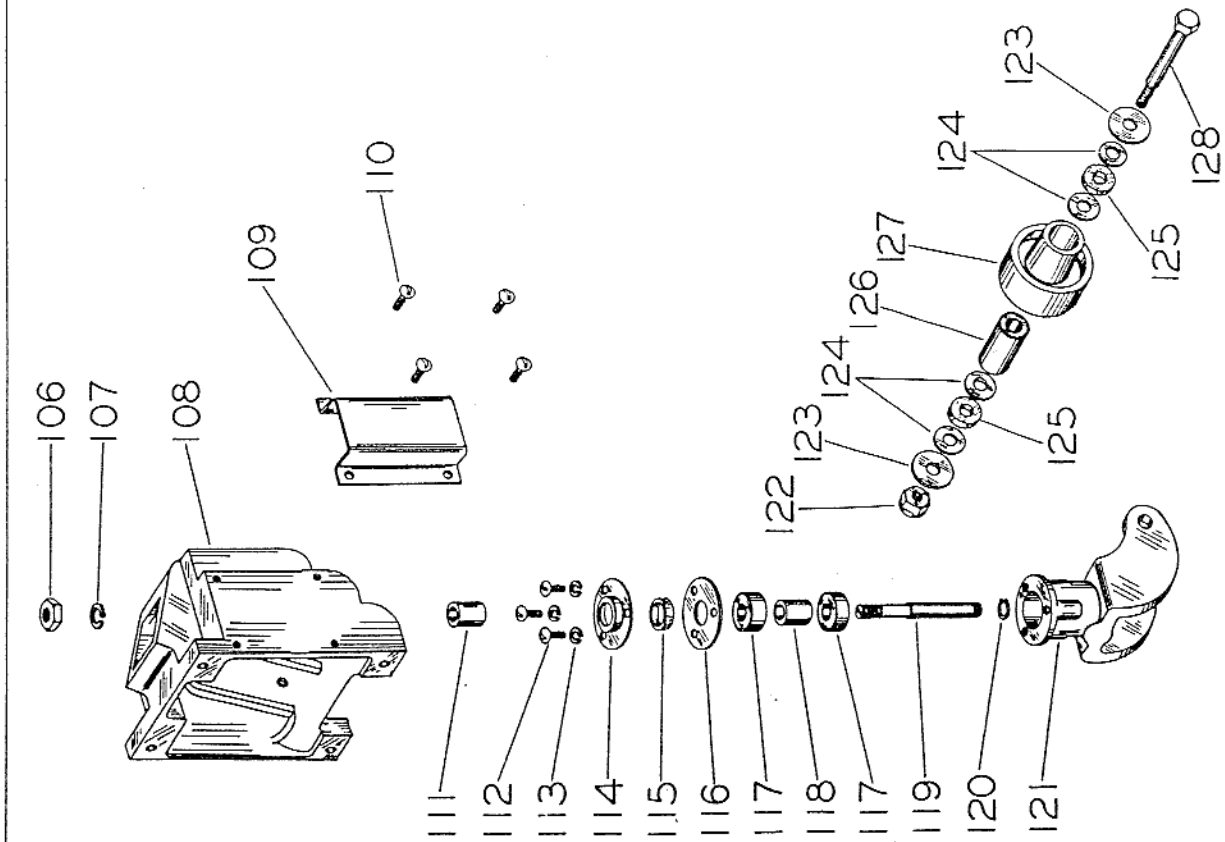
We furnish circulars, letterheads and cuts to assist our machine owners in stimulating business. Write for particulars.

GUARANTEE

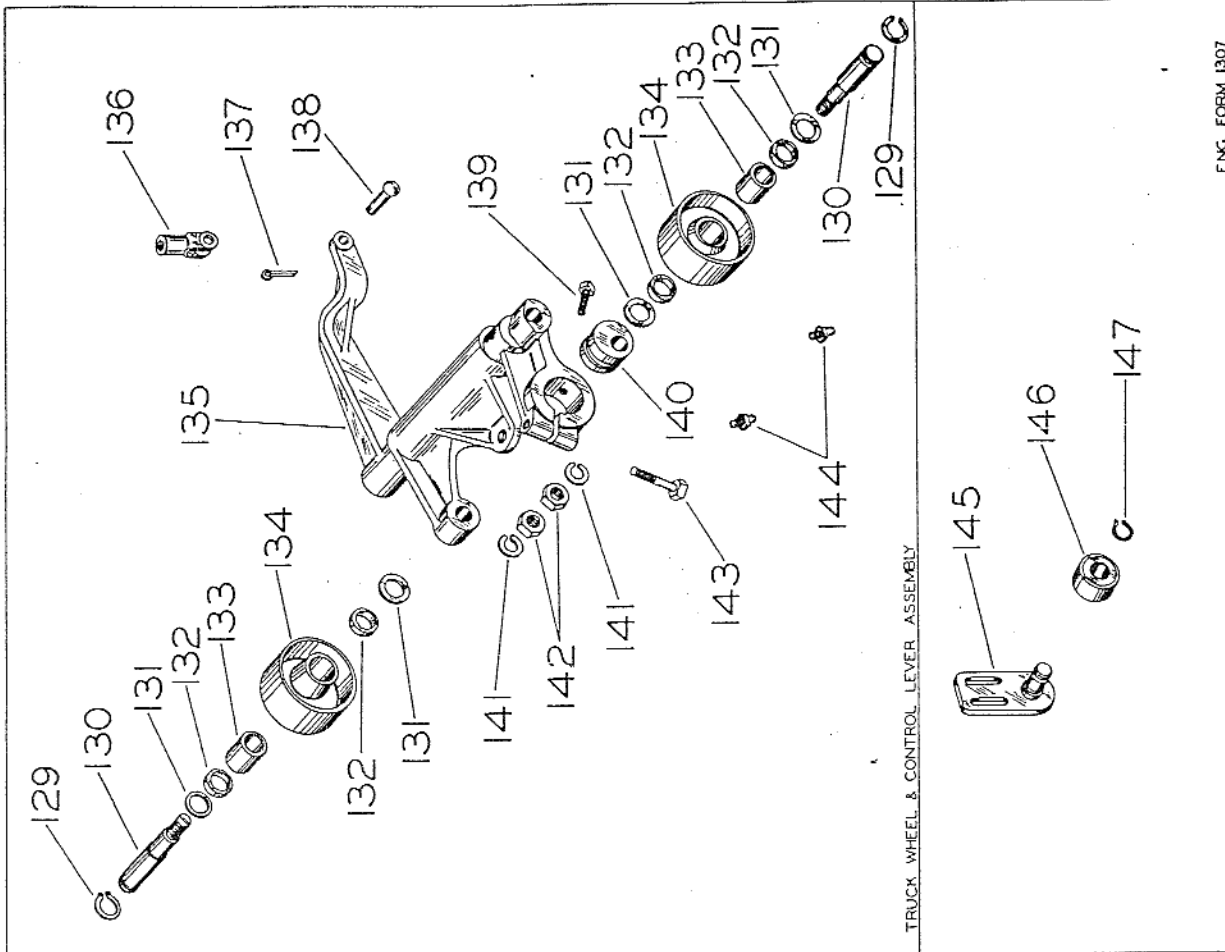
We warrant this machine to be free from defects in material and workmanship under normal use and service and while supplied with the power specified on the nameplate for a period of one year from the date of purchase. This guarantee does not apply when the machine has been subject to misuse, negligence or accident, resold or operated under conditions contrary to our operating instructions.

For guaranteed servicing or inspections always take your American machines to your nearby authorized American distributor or write the factory giving us the serial and model numbers.

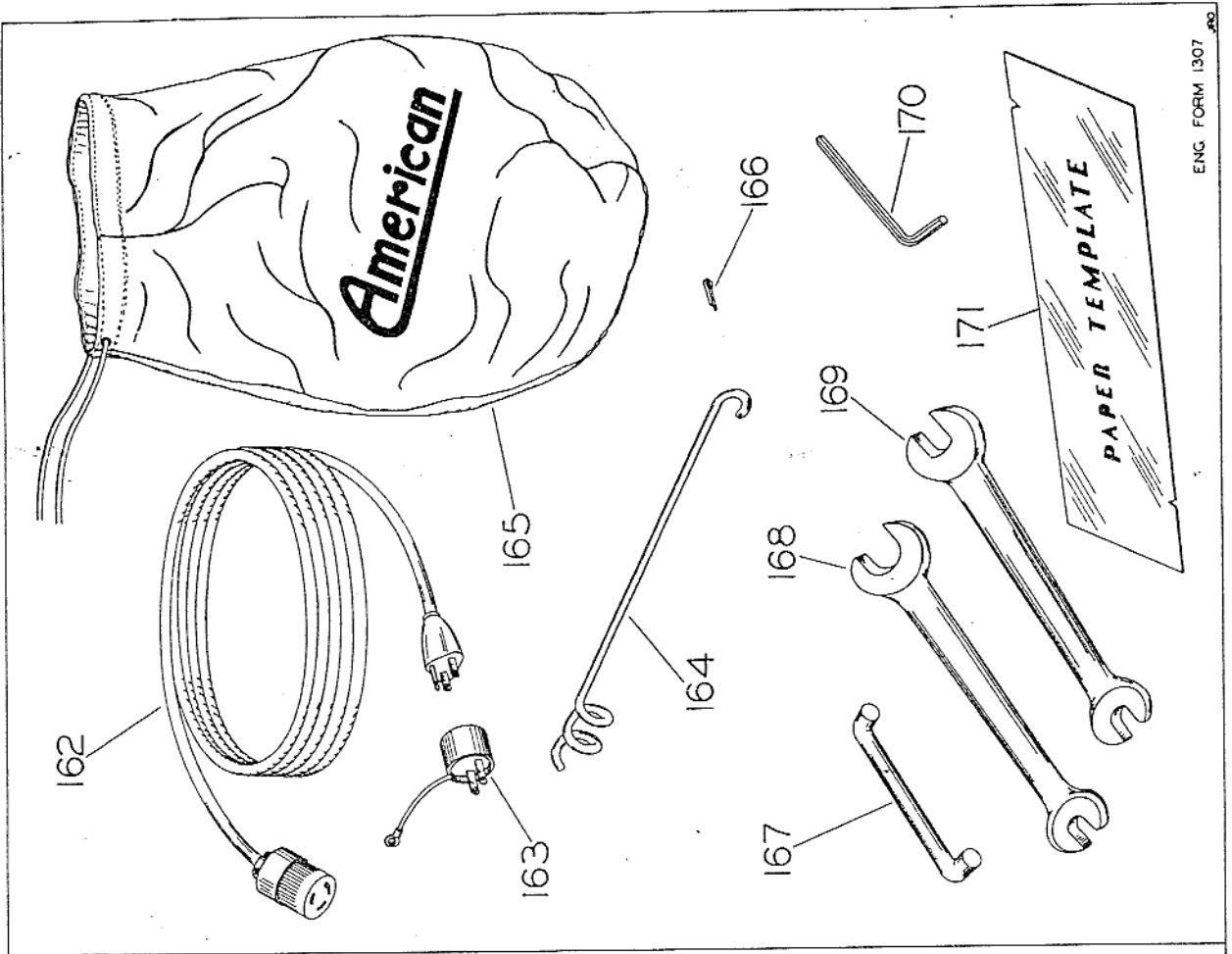




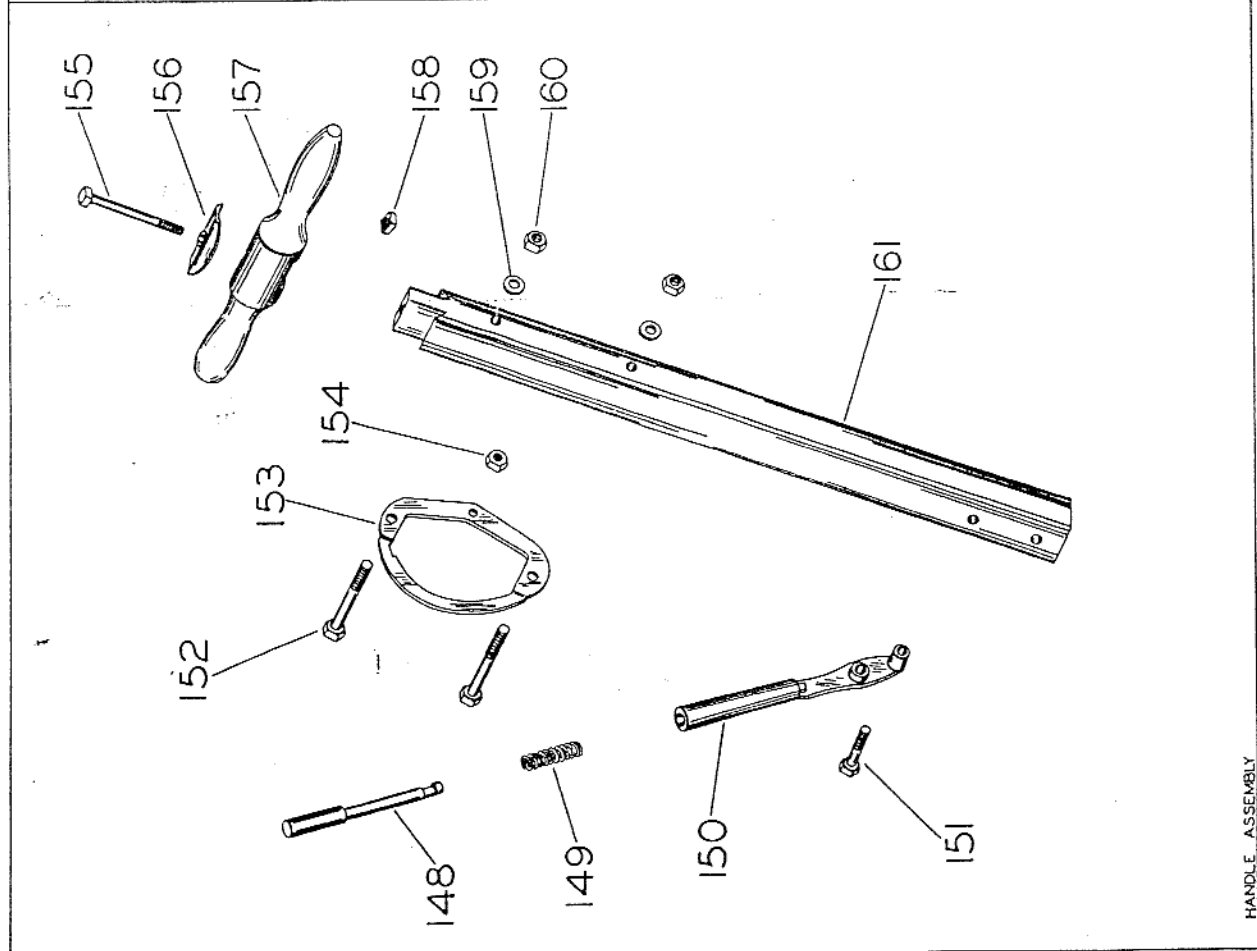
BRACKET & CASTER ASSEMBLY



TRUCK WHEEL & CONTROL LEVER ASSEMBLY



ENG. FORM 1307



HANDLE ASSEMBLY

LITTLE AMERICAN FLOOR SANDER

PARTS LIST

For Model CK-10005 (110/220 Volt, 50 Cycle)

For Model CK-10012 (115/230 Volt, 60 Cycle)

(Always Order By Part Number)

NO.		PART NO.	NO. REQ'D.
1	Screw - End Bell - 5/16 - 18 x 1" Lg. Oval Hd. _____	1211 CP	4
2	End Bell _____	CK-585	1
3	Bearing - Motor Shaft _____	77118	1
4	Field (For Model CK-10005 Only) _____	3-CK-1311	1
	Field (For Model CK-10012 Only) _____	4-CK-594	1
5	Armature (For Model CK-10005 Only) _____	3-CK-1312	1
	Armature (For Model CK-10012 Only) _____	4-CK-595	1
6	Woodruff Key - Motor Shaft _____	5201	1
7	Centrifugal Switch _____	CK-1507	1
8	Screw - Centrifugal Switch - #6 - 32 x 3/8 Lg. Self Tap Rd. Hd. _____	1907 CP	2
9	Switch _____	1-CK-72	1
10	Insulating Strip - Switch _____	CK-1211	1
11	Switch Cover _____	2-CK-163	1
12	Screw - Switch Cover - #10 - 24 x 3/8 Lg. Flat Hd. _____	1003 CP	4
13	Screw - Plug to Cover - #6 - 32 x 3/4 Lg. Rd. Hd. _____	1154 CP	3
14	Connector Plug - Male _____	AP-862	1
15	Wire - Connector Plug To Switch _____	K-249	2
16	Screw - Ground Wire - #8 - 32 x 3/8 Lg. Rd. Hd. _____	1107 CP	1
17	Lockwasher - Ground Wire - #8 _____	2512 CP	1
18	Lead Wire Assembly - Short _____	SM-15-66	1
19	Instruction Plate _____	CK-1251	1
20	Drive Screw - Instruction Plate - #4 x 3/16 Lg. _____	1602 CP	4
21	Discharge Pipe - Lower Section _____	CH-1189	1
22	Discharge Pipe - Upper Section _____	CH-1190	1
23	Cotter Pin - Control Rod Fork _____	6104 CP	1
24	Pin - Control Rod Fork _____	E-26	1
25	Control Rod Fork _____	1-E-25	1
26	Control Rod _____	1-CK-86	1
27	Nut - Control Rod - 3/8 - 16 Hex. _____	4013 CP	1
28	Screw - Discharge Pipe - 5/16 - 18 x 1-3/4 Lg. Hex. Hd. _____	1407 CP	1
29	Screw - Handle - 3/8 - 16 x 2" Lg. Hex. Hd. _____	1410 CP	2
30	Washer - Handle _____	2014 CP	2

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NO.		PART NO.	NO. REQ'D.
31	Handle Assembly _____	1-CK-563	1
32	Bracket & Caster Assembly _____	2-CK-253	1
33	Screw - Caster Bracket - 5/16 - 18 x 1-1/4 Lg. Hex. Hd. _____	1404 CP	4
34	Wire Assembly - Terminal Block to Switch _____	CK-754	2
35	Terminal Block _____	2-E-103	1
36	Washer - Terminal Block _____	2015 B	3
37	Thumb Nut-Terminal Block _____	E-142	3
38	Screw - Terminal Block - 1/4 - 20 x 3/4 Lg. Rd. Hd. _____	1110 CP	2
39	Cover Plate - Terminal Block _____	1-CK-190	1
40	Screw - Terminal Plate - #10 - 24 x 3/8 Lg. Rd. Hd. _____	1112 CP	2
41	Capacitor End Cap - Opposite Wire End _____	AMR-125	1
42	Capacitor _____	AMR-119	1
43	Capacitor Bracket _____	AMR-122	1
44	Capacitor End Cap Insulator _____	AMR-126	1
45	Capacitor End Cap Assembly _____	AMR-124	1
46	Washer - Capacitor _____	2081 CP	2
47	Screw - Capacitor - #10 - 24 x 1/2 Lg. Rd. Hd. _____	1109 CP	2
48	Fan _____	1-CK-52	1
49	Spacer - Fan Bearing _____	1-CK-135	1
50	Grease Seal - Main Drive Shaft _____	1-CK-876	1
51	End Bell - Pulley Side _____	1-CK-972	1
52	Screw - End Bell - 5/16 - 18 x 1" Lg. Oval Hd. _____	1211 CP	4
53	Bearing - Motor Shaft _____	77118	1
54	Retainer - Armature Shaft Bearing _____	CK-842	1
55	Lockwasher - Armature Bearing Retainer _____	2501 CP	3
56	Screw - Armature Bearing Retainer - #10 - 24 x 1/2 Lg. Rd. Hd. _____	1109 CP	3
57	Drive Pulley (For Model CK-10005 Only) _____	1-CK-983	1
	Drive Pulley (For Model CK-10012 Only) _____	1-CK-784	1
58	Belt Guard _____	CK-853	1
59	Screw - Belt Guard - 1/4 - 20 x 1-3/4 Lg. Rd. Hd. _____	1138 CP	3
60	Drive Screw - Motor Plate - #4 x 3/16 _____	1602 CP	4
61	Motor Nameplate (For Model CK-10005 Only) _____	1-CK-1337	1
	Motor Nameplate (For Model CK-10012 Only) _____	1-CK-979	1
62	Drum Cover _____	CK-389	1
63	Drive Screw - Nameplate - #4 x 3/16 _____	1602 CP	2
64	Nameplate _____	CK-920	1
65	Set Screw - Drum Cover - #8 - 32 x 1/4 Hollow Cup Pt. _____	1562 CP	1

NO.		PART NO.	NO. REQ'D.
66	Spring - Drum Cover _____	AL-625	1
67	Shaft - Drum Cover _____	CK-390	1
68	Bumper Strip _____	W-355	1
69	Screw - Bumper - #10 - 24 x 1/4 Lg. Rd. Hd. _____	1101 CP	4
70	Screw - Wheel Plate - #10 - 24 x 1/4 Rd. Hd. _____	1101 CP	6
71	Cover Plate - Wheel _____	CK-947	2
72	Frame _____	2-CK-1	1
73	Idler Pulley Assembly _____	2-CK-561	1
74	Set Screw - Wheel Axle - 5/16 - 18 x 1" Sq. Hd. Cup Pt. _____	1526 CP	1
75	Washer - Idler Pulley Assembly _____	2011 CP	2
76	Lockwasher - Idler Pulley Assembly _____	2500 CP	2
77	Screw - Idler Pulley Assembly - 1/4 - 20 x 1/2 Lg. Rd. Hd. _____	1113 CP	2
78	Screw - Field - 1/4 - 20 x 1" Lg. Rd. Hd. _____	1137 CP	1
79	Spring Plunger - Wheel Bracket _____	CK-289	1
80	Spring - Wheel Bracket _____	CK-293	1
81	Truck Wheel & Control Lever Assembly _____	CK-555	1
82	Drive Belt (For Model CK-10005 Only) _____	1-CK-69	1
	Drive Belt (For Model CK-10012 Only) _____	CK-69	1
83	Washer - Control Rod Lever Shaft _____	2012 CP	1
84	Shaft - Control Reach Lever _____	CK-33	1
85	Dust Pan _____	1-CK-55	1
86	Lockwasher - Dust Pan _____	2500 CP	3
87	Screw - Dust Pan - 1/4 - 20 x 3/4 Lg. Rd. Hd. _____	1110 CP	3
88	Screw - Cover Bearing Housing - #10 - 24 x 3/8 Lg. Flat Hd. _____	1001 CP	3
89	Cover - Bearing Housing _____	CK-399	1
90	Gasket - Bearing Housing _____	CK-393	1
91	Screw - Drum Shaft Bearing _____	T-313	1
92	Lockwasher - Drum Shaft Bearing _____	2507 CP	1
93	Bearing - Drum Shaft _____	77139	1
94	Spacer - Drum Shaft Bearing _____	CD-394	1
95	Woodruff Key - Drum Shaft _____	5201	2
96	Drum Shaft _____	CK-4	1
97	Drum Assembly Complete - Felt _____	CK-9F	1
98	Bearing Spacer - Drum Shaft _____	CK-398	1
99	Bearing - Drum Shaft _____	77129	1
100	Retainer - Drum Shaft _____	AP-954	1
101	Lockwasher - Drum Shaft Bearing Retainer _____	2500 CP	3

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NO.		PART NO.	NO. REQ'D.
102	Screw - Drum Shaft Bearing Retainer - 1/4 - 20 x 5/8 Lg. Rd. Hd. _____	1136 CP	3
103	Drum Pulley _____	1-CK-783	1
104	Washer - Drum Shaft (Pulley End) _____	2012 CP	1
105	Nut - Drum Shaft - 5/8 - 18 Hex. Jam _____	4031 CP	1
106	Nut - Pivot Bolt - 1/2 - 13 Hex. Jam _____	4011 CP	1
107	Lockwasher - Pivot Bolt _____	2507 CP	1
108	Caster Bracket _____	1-CK-19	1
109	Tool Box _____	T-486	1
110	Screw - Tool Box - 1/4 - 20 x 3/8 Lg. Rd. Hd. _____	1135 CP	4
111	Spacer - Yoke Bracket _____	1-T-242	1
112	Screw - Retainer - 1/4 - 20 x 1/2 Lg. Rd. Hd. _____	1113 CP	3
113	Lockwasher - Retainer _____	2500 CP	3
114	Washer Ring _____	T-241	1
115	Felt Washer _____	T-256	1
116	Retainer - Yoke Bearing _____	T-240	1
117	Bearing - Yoke _____	77217	2
118	Spacer - Yoke Bearing _____	1-T-243	1
119	Bolt - Yoke Pivot _____	1-T-239	1
120	Retaining Ring _____	2615	1
121	Yoke _____	CK-235	1
122	Nut - 3/8 - 16 - Self-Locking Hex. _____	4113 CP	1
123	Washer - Axle _____	T-927	2
124	Retainer _____	E-237	4
125	Felt Washer _____	E-255	2
126	Bearing _____	77170	1
127	Caster Wheel _____	CK-238	1
128	Axle _____	1-T-236	1
129	Retaining Ring - Wheel _____	2610	2
130	Axle _____	CK-13	2
131	Washer - Axle _____	CD-1022	4
132	Grease Retainer _____	CE-1138	4
133	Bearing Wheel _____	77173	2
134	Wheel _____	CE-919	2
135	Lever _____	CK-32	1
136	Fork _____	1-E-25	1
137	Cotter Pin _____	6104 CP	1
138	Pin _____	E-26	1

NO.		PART NO.	NO. REQ'D.
139	Set Screw - Eccentric - 5/16 - 18 x 3/4 Lg. Sq. Hd. _____	1524 CP	1
140	Eccentric _____	AP-824	1
141	Lockwasher - Axle _____	2507 CP	2
142	Nut - Axle - 1/2 - 13 Hex. Jam _____	4011 CP	2
143	Screw - Clamp - 3/8 - 16 x 1-3/4 Lg. Hex. Hd. _____	1435 CP	1
144	Grease Fitting - 1/8 Zerk _____	3027 CP	2
145	Idler Pulley Arm Assembly _____	1-CK-980	1
146	Bearing _____	77121	1
147	Retaining Ring _____	2607	1
148	Stop Pin _____	2-E-21	1
149	Stop Spring _____	E-22	1
150	Control Handle _____	1-E-20	1
151	Screw - Quadrant - 5/16 - 18 x 1-1/4 Lg. Hex. Hd. _____	1404 CP	1
152	Screw - Quadrant - 5/16 - 18 x 2-1/2 Lg. Hex. Hd. _____	1425 CP	2
153	Quadrant _____	T-23	1
154	Nut - Quadrant - 5/16 - 18 Hex. _____	4001 CP	1
155	Bolt - 5/16 - 18 x 3-1/2 Lg. Square Hd. _____	1051 CP	1
156	Cap _____	E-107	1
157	Handle _____	AP-1362	1
158	Nut - 5/16 - 18 Square _____	4351	1
159	Washer - Quadrant _____	2013 CP	2
160	Nut - Quadrant - 5/16 - 18 Hex. _____	4001 CP	1
161	Handle Shank _____	CK-1363	1
162	Trailing Wire Assembly _____	ADM-294-50	1
163	Trailing Wire Adapter _____	S7S-50	1
164	Cable Arm _____	SU8-34	1
165	Dust Bag _____	2-T-68	1
166	Cotter Pin _____	6105 CP	1
167	Carrying Handle _____	T-148	1
168	End Wrench - 19/32 & 1/2 _____	5053	1
169	End Wrench _____	T-77	1
170	Allen Wrench _____	5152	1
171	Template _____	CK-78	1