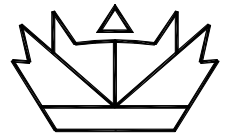




**LAYCOCK
MOTOR
WINDING
TOOLS**

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**CROWN
MOTOR
REPAIR
TOOLS**

**INSTRUCTIONS FOR BENCH TYPE
COIL WINDING MACHINE
CROWN MODELS 2057, 2067 & 2069**

The Crown Bench type Coil Winding Machine is a small, rugged and durable unit used for winding coils from the smallest solenoid type to the medium size, single- and 3-phase types stator coils. (3 HP to 75 HP).

MOUNTING:

The machine should be mounted to the front and on the right hand side of a table or work bench. The front of the machine is mounted flush to the front of the table; the right hand side should be within an inch of the table edge. This should be done primarily to give plenty of swing to any desired head that might be used. Option: Attach a chain thru hole provided in the combination brake and clutch lever, "S" hooks supplied. The other end of the chain should be fastened to the hole in the foot pedal. With the clutch-brake lever position at its extreme down position, adjust chain so that the foot pedal will have a minimum of 1" clearance from the floor. (Foot Pedal, Part #2071).

WARNING: This machine is shipped dry. Add 20 oz. of SAE #40 oil through the vent plug at top of machine.

MOUNTING THE COIL WINDER HEAD:

All Crown Winding Heads will match the holes of the faceplate. If some other type of winding form is used, it can be mounted with any of the holes on the faceplate or in the tapped hole in the center. The Machine is furnished with a 1/2"-13" NC tapped hole.

WARNING: Move the brake-clutch Lever to the neutral or center position and rotate the head by hand before turning on the power. Be sure there is clearance for its complete rotation.

SPEED SETTING:

The three speeds are obtained by placing the V-belt in the various positions on the 3-step pulley. The lowest faceplate speed is obtained by setting the belt in the smallest portion of the motor pulley.

LOW= 108 RPM, MEDIUM= 220 RPM, HIGH= 400 RPM.

OPERATION:

Set the counter to zero by means of the wing nut on the end opposite the counter shaft. Turn the motor on and press the foot pedal slowly until the maximum speed is obtained. Wind the desired number of turns as indicated on the counter and stop the machine by removing your foot from the foot pedal.

Removing the foot automatically engages the brake.

MAINTENANCE:

The Crown Bench type Coil Winding Machine has basically only two points of wear:

1. The drive belt (Part #807031)
2. The brake Linings (Part #500003)

The oil level should be checked occasionally, and maintained so that the lowest ear should dip into the oil from 1/8" to 1/2". Disconnect power. Remove vent plug on top of gear case. Insert a twelve inch stick or rod straight down to bottom of gear case. Remove and observe oil level. Oil should be indicated for 3/4" minimum depth. (Use SAE #40 wt oil as needed).

WARRANTY

Crown's Motor Repair Equipment is warranted to the original owner against defects in materials and workmanship for ninety (90) days from date of purchase. Any part found to be defective (except by overloading, misuse, neglect, fire, accident, tampering with by unauthorized serviceman, or other cause beyond the manufacturer's control), will be replaced or repaired free of charge.

CROWN MODEL 2057, 2067 and 2069

Model #	Description	Quantity	Current Price
2057, 2067 or 2069	Bench Winding Machine, CROWN Model 2057 (115VAC), Model 2067 (230 / 460 VAC), or Model 2069 (230VAC)	1	Contact Factory
N/A	Packaging and Handling	1	

PARTS LIST - CROWN MODEL 2057, 2067 and 2069

MINIMUM NET BILLING OF \$75 PLUS PACKAGING AND HANDLING FEE

Item#	P/N	Description	Quantity Req'd	Assy#	Current Assy Price
1	806025	Counter, Heavy Duty 5H71LCL	1	1	Contact Factory
2	807029	Capscrew, Hex Head 1/4"-20x3/4"	6		
3	807048	Cord Grip	1		
4	807019	Ladder Chain 11.5" (in)	1		
5	807037	Sprocket, Ladder Chain	2		
6	807006	Chain Guard	1		
8	807000	Base	1		
10	807009	Output Shaft	1		
13	807008	Input Shaft	1		
15	807004	Faceplate	1		
17	807045	Washer, Fiber	2		
18	809004	Cord set, 3-wire, 8-ft	1		
20	807049	Locknut, Cord Grip	1		
22	807228	Key, square, 3/16"x1-1/4"	2		
23	900009	Motor, 115V SP, 60Hz (2057)1/3 HP	1		
23	805006	Motor, 230V SP, 60Hz (2069)1/3 HP	1		
23		Motor, 230 / 460V, 60Hz (2067) 3Phase	1		
24	500001	Lever assy.	1		
25	807044	Carriage Bolt, 5/16"-18x1-1/2"	6		
26	808025	Nut, Hex 5/16"-18	6		
27	807052	Lockwasher #8, Spring Type	1		
28	807046	Shoulder Screw, 1/4"-20x3/8", Soc. Hd.	2		
29	500005	Brake Rod assy.	1		
30	807031	Belt, 3/8"x30"	1		
31	807003	Pulley, Motor	1		
32	807035	Switch, DPDT, On/Off	1		
33	500003	Brake Shoe assy.	1		
35	807013	Pulley, Gear Base	1		
36	807041	Setscrew, 5/16"-18x5/16", Soc. Hd.	2		
37	807027	Key, Woodruff #606	1		
38	807018	Spring Bracket	1		
39	807034	Spring	1		
40	807007	Motor Base	1		
41	807033	Eye Bolt 1/4"-20x1-1/2"	1		
42	807015	Pivot Rod, 5/16"	0.71		

43	807290	Thumb Screw, 1/2"-20x3/4"	1		
44	807047	Cotter Pin 1/16"x1/2"	1		
46	807023	Belt Guide	1		
49	808030	Lockwasher 5/16"	4		
51	806007	Belt Guard	1		
52	807040	Nut, Hex 1/4"-20	3		
53	800036	Screw, 8x5/8" ST, Pan head	2		
54	500002	Lead Wire assy.	1		
55	809010	Crown Label	1		
n/a	500000	Gear Housing assy.	1		
n/a	800035	Nut, Hex 6-32	1		
n/a	802006	Screw 6x3/8" ST	4		
n/a	806022	Foot Pedal	1		
n/a	806023	Chain #4 (1" links) (ft)	3		
n/a	806024	Hook, "S" 1-5/8"x3/4"	2		
n/a	807026	Lockwasher 1/4"	4		
n/a	807028	Screw, 6-32x5/8" RH MS	1		
n/a	807051	Setscrew, 5/16"-18x5/8"	1		
n/a	807053	Hinge 1-1/2"	2		
n/a	807054	Nut, Hex 10-24	8		
n/a	807055	Screw 10-24x1/2" RH MS	8		
n/a	807219	Lockwasher #10, Spring Type	8		
n/a	809002	Ring Terminal	1		
n/a	809012	Fork Terminal, insulated	2		

**SPECIFICATIONS FOR BENCH TYPE
COIL WINDING MACHINE
CROWN MODELS 2057, 2067 and 2069**

Primary power:

Model #2057: 115VAC, 50/60Hz, 1 phase.

Model #2067: 230 / 460 VAC 50/60Hz, 3 phase.

Model #2069: 230VAC, 50/60Hz, 1 phase.

Construction (Packaging):

Cast aluminium base and gear housing with steel worm gear drive.

(Torque at Low speed= 28 ft-lb, at Medium speed= 15 ft-lb, and at High speed= 7 ft-lb).

Controls:

Clutch & Brake: Depressing the foot pedal engages the machine, releasing the foot pedal engages the brake.

Mechanical five (5) digit, heavy duty counter.

Speed adjustment: simple belt adjustment on three (3) step pulley varies the speed to Low (108 RPM), Medium (220 RPM), and High (440 RPM).

Faceplate Shaft is tapped for standard 1/2"-13 NC bolt for winding solenoid, electromagnetic and other small coils.

Attachments:

Optional Foot Pedal with chain supplied (Crown Part #2071).

Spare Parts:

To be recommended upon request. Contact Factory.

Enclosures:

Operating Instructions.