

# PORTER-CABLE

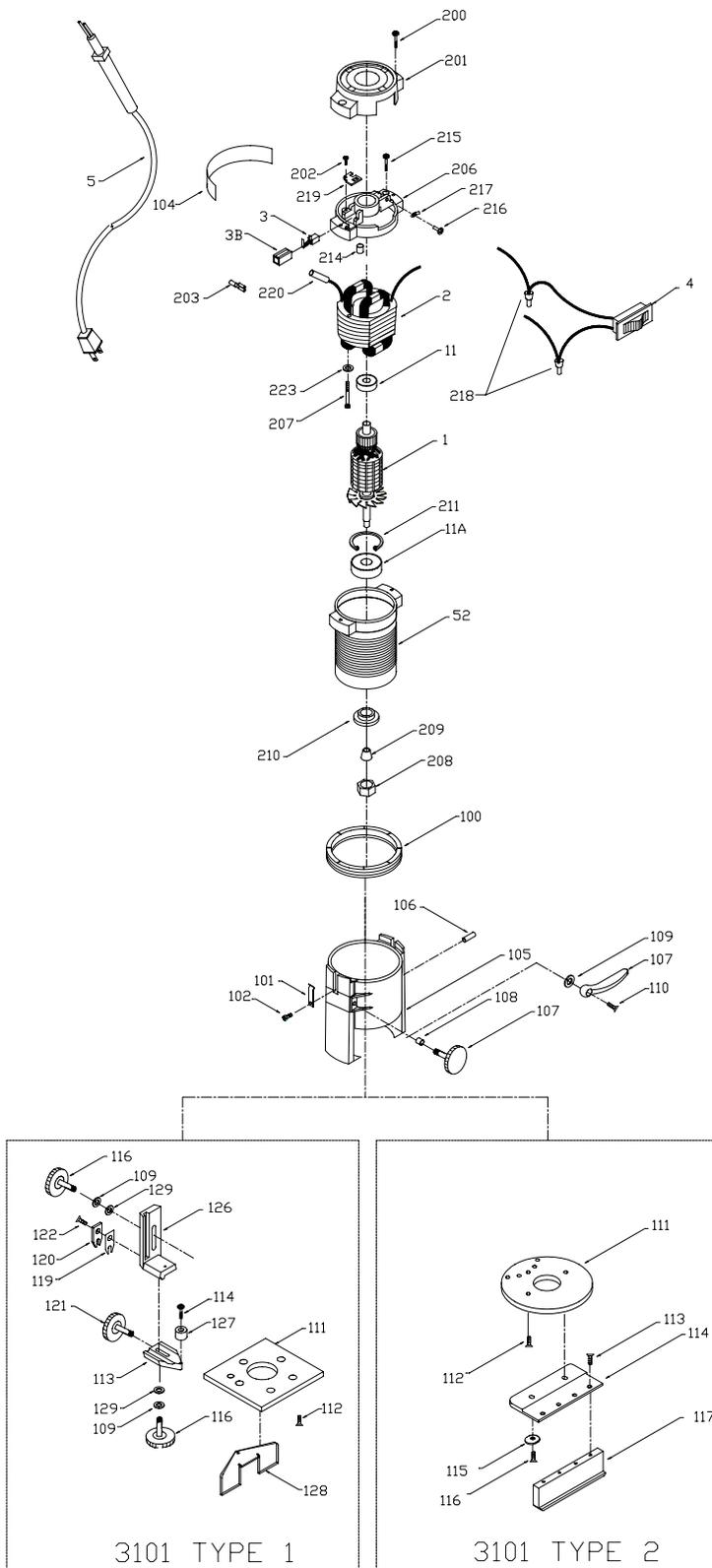
## LAMINATE TRIMMER

**WARNING:** Electrical repairs should only be attempted by trained repairmen. Contact the nearest Porter-Cable Service Center or other competent repair center.

**3101**  
**3102**  
**5036**

Ref.

**No Part No Description**



1	872645	Armature, T2, T3, T4 (120V)
	868830**	Armature, T1 (120V)
	873382	Armature (220V)
2	889061	Field, T4 (120V)
	872650	Field, T2, T3 (120V)
	868831**	Field, T1 (120V) (CF)
	873383	Field(220V)
3	868866**	Brush (Self-Limiting)
3B	844703	Brush Holder
4	882294	Switch
5	875699	Cord (120V)
11	855188	Bearing, Comm End
11A	855287	Bearing, Fan End
52	844483	Motor Housing
100	844759	Graduated Ring
101	844648	Spring Clip
102	858008	Screw
104	801374	Specification Plate Screw, T1, T2
105	878716	Base Housing, 3101 T2, T3, T4
	844652**	Base Housing, 3101 T1
106	840109	Motor Locating Pin
107	693885	Knob (Current)
	845500**	Lever (Early)
108	693968	Spacer
109	858420	Spring Washer
110	845506	Lever Screw (Early)
111	42310	Round Sub-Base, 3101 T2, T3, T4
	42242	Square Sub-Base, 3101 T1, Incl: Ref. 113
112	802289**	Flat Head Screw for Sub-Base W/Countersunk Holes
	873982**	Pan Head Screw for Sub-Base W/Counter-Bored Holes
200	878389	Cap Screw
201	810006	Motor Housing Cap
202	844705	Brush Holder Screw
203	866312**	Terminal (Current, Self-Limiting Brush)
206	886629	Intermediate Housing, T4
	844576	Intermediate Housing, T1, T2, T3
207	802607	Field Screw
208	844642	Collet Nut
209	844651	Collet
210	844643	Retainer
211	802302	Ring
214	810425	Rubber Plug
215	848564	Intermediate Housing Screw
216	844107	Ground Screw
217	849314	Ground Terminal
218	846249	Wire Nut
n	682063	Connector
219	845620**	Brush Holder Retainer
220	846755	Insulation Sleeve
223	802648	Field Lock Washer
*	44745	Collet Wrench
*	878745	Armature Fan, Late T2 with Smooth Shaft, T3, T4
*	845339	Arm. Fan, All T1, & Early T2 with Knurled Shaft
*	73100	Edge Guide Kit, 3101 T2, T3, T4, (Optional)

### STRAIGHT EDGE GUIDE (3101 T2)

113	802768	Screw
114	878672	Guide Plate
115	878513	Eccentric
116	878512	Screw
117	878673	Extension Arm
*	698110	Hex Wrench
*	878507	Eccentric Wrench

### EDGE GUIDE (3101 T1) \*\*

109	858420	Spring Washer
113	847920	Guide Carrier
114	844601	Pin
116	844647	Thumb Screw
119	845179	Tension Spring
120	844687	Yoke
121	844645	Thumb Screw
122	802289	Yoke Thumb Screw
126	844596	Carrier Bracket
127	845583	Steel Guide Roller
128	845782	Chip Deflector
129	802318	Washer
*	845584	Nylon Guide Roller

\* Not Shown

\*\* See Service Notes

PARTS LIST NO. 885139 - 0012

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# SERVICE NOTES

## MOTOR REPLACEMENT (TYPE 1 - 120V) - Ref. 1 & 2:

Type 1 armatures are no longer available. The Type 2 armature and field may be used as a set to service Type 1 units.

Early Type 1 fields (1 3/8" I.D.) are no longer available. These units may be serviced by installing the Type 2 armature and field as a set.

## BRUSH REPLACEMENT:

When replacing the old non-self-limiting brushes with current self-limiting brushes, the brush holder retainers (Ref. 219) **must** be replaced.

## BRUSH TERMINALS:

Early style brush terminals (non-self-limiting brushes) are no longer available. Convert to self-limiting brush system by installing two of each: 845620 brush retainer, 866312 terminal, and 868866 brush.

## GUIDE (3101 T1):

Units manufactured between early 1984 and early 1985 were supplied without a guide. Units built prior to, or after that period include the guide as standard equipment.

## SUB-BASE / SCREWS (3101 T1):

Early sub-bases had countersunk mounting holes and were attached with flat head screws.

Later sub-bases have counter-bored mounting holes and are attached with pan head screws. This allows adjustment of the sub-base position.

All replacement sub-bases are of the later configuration, and are supplied with proper mounting screws.

## BASE CLAMP LEVER - Ref. 107:

When servicing units equipped with the clamp lever discard the lever part number 845500 (Ref. 107), lever screw part number 845506 (Ref. 110), and spring washer part number 585420 (Ref. 109) and replace with knob 693885 (Ref. 107) and spacer 683687 (Ref. 108).

## BASE HOUSING REPLACEMENT (TYPE 1) - Ref. 105:

The Type 1 base housing part number 844652 is no longer available. Type 1 units may be serviced with a 3101 Base Assembly and 31000 Edge Guide.