



# 3/8" ANGLE DRILL

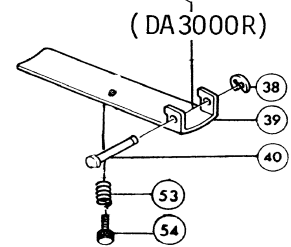
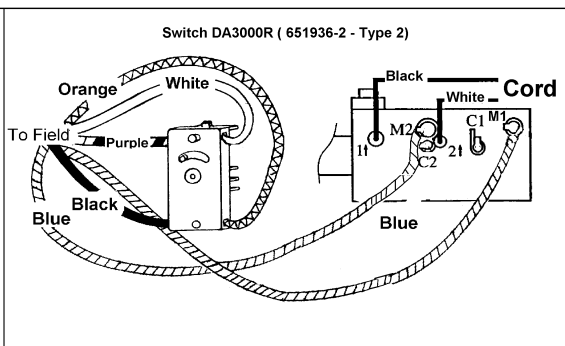
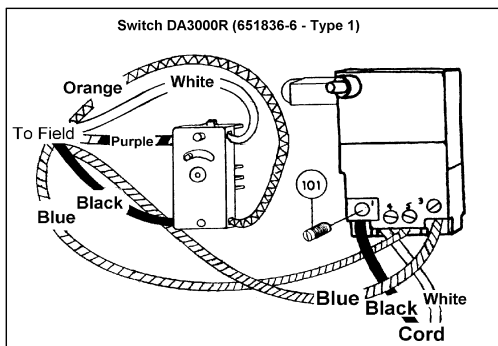
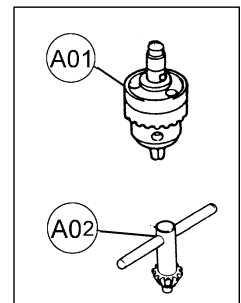
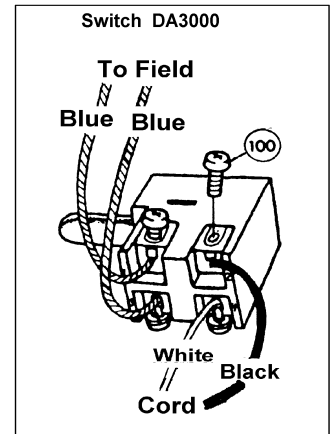
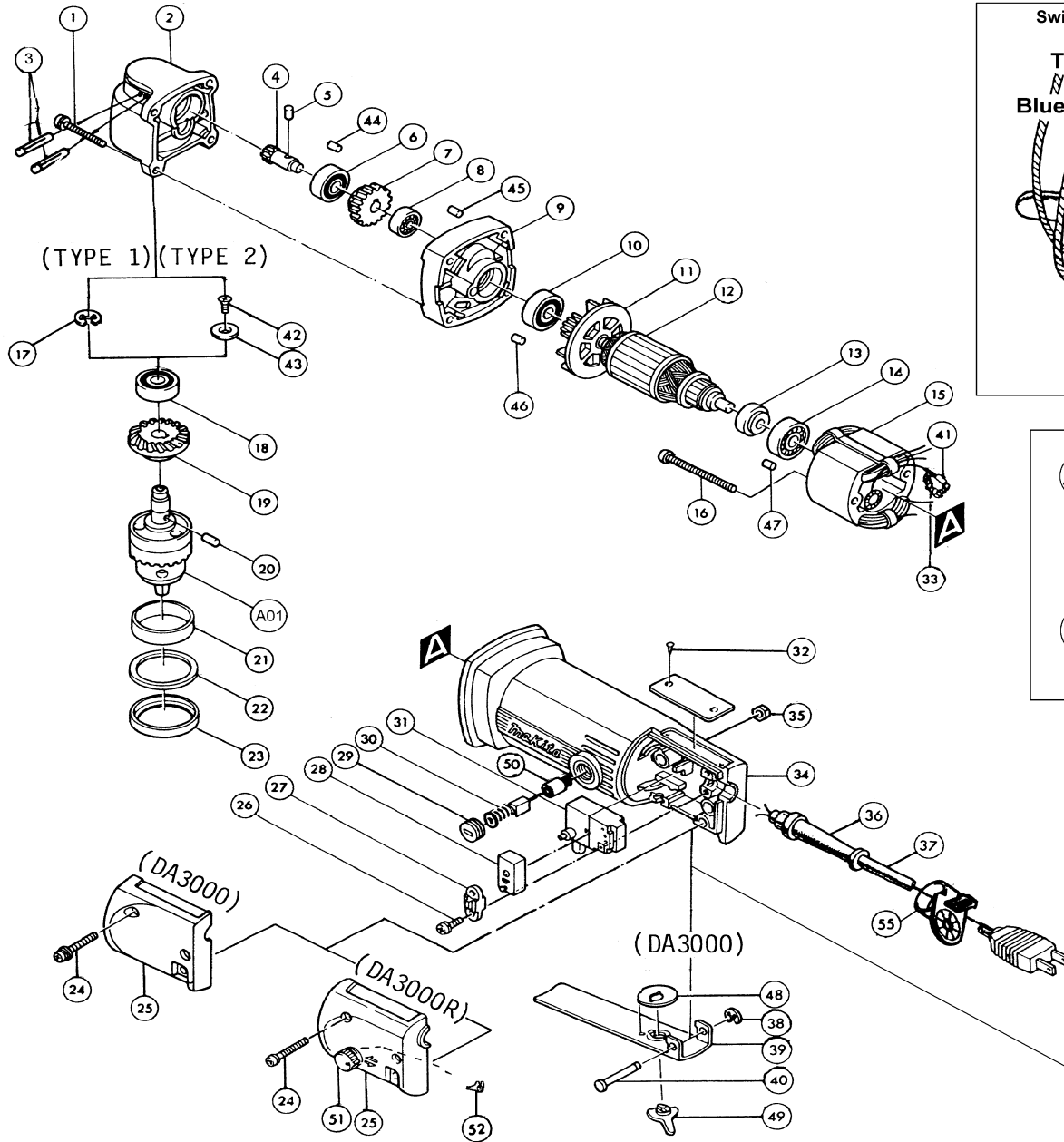
## Model DA3000\*

(Discontinued in 1985)

(Constant Speed)

## Model DA3000R

(Variable Speed/Reversing)

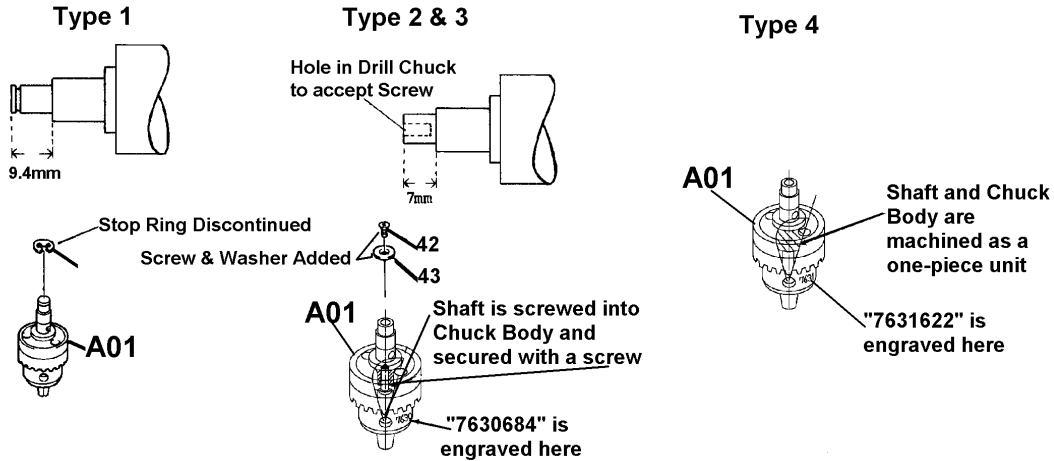


Item No.	Part No.	No. Used	Description	Item No.	Part No.	No. Used	Description
1	911161-0	4	P.H. Screw M4x35	30	191947-0	2	Carbon Brush CB-76 (2pcs/Set) (Old 191917-9 CB-72)
2	*	1	Gear Housing (With Items 21 & 44)		181501-8	2	Auto Cut-Off Carbon Brush CB-61 (Optional)
3	*	*	Pin				
4	*	1	Spiral Bevel Gear				
5	256014-9	1	Pin3				
6	211051-0	1	Ball Bearing 609LLB	31	651821-9	1	Switch (DA3000)(Old 651817-0)
7	221682-7	1	Helical Gear 32		<b>651936-2</b>	1	Switch (DA3000R)(Old 651836-6)
8	211014-6	1	Ball Bearing 606				
9	315268-8	1	Gear Housing Cover (Includes Items 45 & 46)	32	953106-2	2	Rivet 0-5
10	211033-2	1	Ball Bearing 608LB	33	654018-9	2	Garter Spring
11	241081-7	1	Fan 58 (DA3000)	34	*	1	Motor Housing (DA3000) (With Items 35, 47 & 50)
	241822-1	1	Fan 58 (DA3000R)		*	1	Motor Housing(DA3000R) (With Items 35, 47 & 50)
12	511816-3	1	Armature Assy (DA3000) (Includes Items 10, 11, 13 & 14)	35	931102-0	2	Hex Nut M4
	511821-0	1	Armature Assy (DA3000R) (Includes Items 10, 11, 13 & 14) (Old 611486-9)	36	682500-8	1	Cord Guard 8.5-72
				37	664013-1	1	Cord With Plug 2P-18-2.5
				38	961017-7	1	Stop Ring E-3
13	681614-0	1	Insulation Washer	39	341651-3	1	Switch Lever Assembly (DA3000) (Includes Items 48 & 49)
14	211028-5	1	Ball Bearing 627LB		158011-0	1	Switch Lever (DA3000R) (Includes Items 53 & 54)
15	621416-2	1	Field Assy (DA3000) (With Items 33 & 41)				
	621476-4	1	Field Assy (DA3000R) (With Items 33 & 41)	40	256626-8	1	Pin 4
16	*	2	Tapping Screw	41	654501-6	2	Solderless Connector P-1.25
17	961013-5	1	Stop Ring E-7 (Type 1) *	42	251304-5	1	(+) Countersunk Head Screw M4x12 (Type 2)*
18	211051-0	1	Ball Bearing 609LLB	43	253969-9	1	Washer 4 (Type 2)*
19	*	1	Spiral Bevel Gear	44	263002-9	1	Rubber Pin 4
20	256023-8	1	Pin 5 * (Type 1 only)	45	263002-9	1	Rubber Pin 4
21	214502-2	1	Plane Bearing 38	46	263002-9	1	Rubber Pin 4
22	443049-1	1	Felt Ring 38	47	263002-9	1	Rubber Pin 4
23	286216-3	1	Cap 46	48	232062-2	1	Leaf Spring (DA3000)
24	911158-9	2	P.H. Screw M4x30(DA3000)	49	411784-9	1	Safety Lock (DA3000)
	911168-6	2	P.H. Screw M4x40(DA3000R)	50	643557-4	2	Brush Holder 5-8
25	411827-7	1	Switch Cover (DA3000)	51	410059-3	1	Knob
	155502-2	1	Switch Cover (DA3000R) (Includes Items 51 & 52)	52	410060-8	1	Slide Lever
26	911131-9	2	P.H. Screw M4x18 (With Washer)	53	231025-5	1	Compression Spring 8
27	687002-9	1	Strain Relief	54	251857-4	1	Screw M5
28	<b>650527-6</b>	1	Reversing Switch (DA3000R only) (Old 651838-2)	55	411780-7	1	Key Holder
29	643550-8	2	Brush Holder Cap 5-8	100	911002-0	4	(+) P.H. Screw M3x6
				101	652030-3	4	(-) Set Screw M3x7.5 (For 651836-6 - Type 1 Switch)
				<b>Accessories</b>			
				A01	*	1	3/8" Drill Chuck
				A02	763403-6	1	3/8" Chuck Key

\* SEE SERVICE CHANGES

**SERVICE CHANGES**

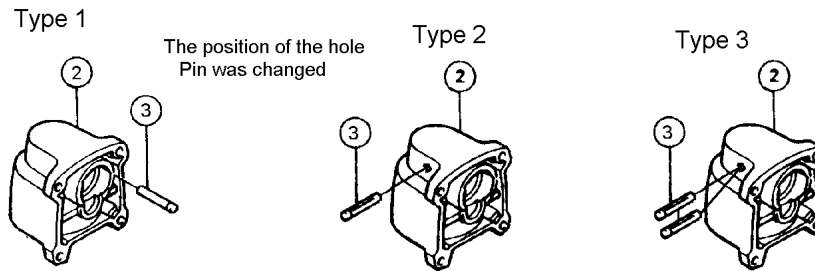
**1. Change on Drill Chuck.**



Item No.	Description	Type 1	Type 2	Type 3	Type 4
17	Stop Ring	961013-5	<b>(Discontinued)</b>		
42	(+) Countersunk Head Screw M4x12	- - - - -	<b>251304-5 (Added)</b>		
43	Washer 4	- - - - -	<b>253969-9 (Added)</b>		
A01	3/8" Drill Chuck	763059-5	<b>763068-4</b>		<b>193443-4</b>
	Serial No. DA3000	~ 37373E	37374E ~ April 1993		- - - - -
	Serial No. DA3000R	~ 7020E	7021E ~ 384264E		384265E ~

Above parts are completely interchangeable as a set.

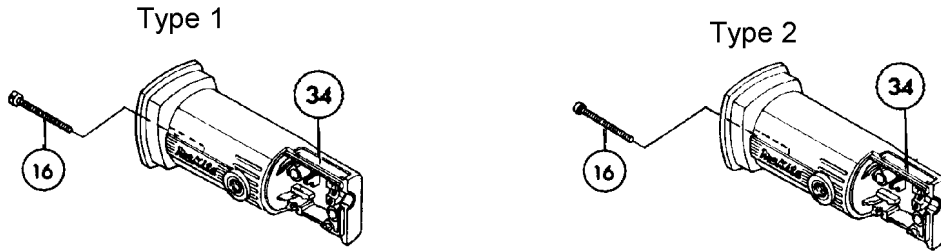
**2. Change on Gear Housing and Pin.**



Item No.	Description	Type 1	Type 2	Type 3	Type 4
2	Gear Housing	315267-0 (No Longer Available)	157549-2 (No Longer Available)	159272-5	
3	Pin	256109-8 Pin 4 (2pcs) (No Longer Available)	951129-4 (No Longer Available)	Roll Pin 4-36 (1pc)	Roll Pin 4-36 (2pcs) (White Color)
	Serial No.	~ 57566E	57567E ~	No Type 3 Sold	
	Serial No.	~ 16114E	16115E ~ 139388E	139389E ~ 164679E	164680E ~
					256745-0 Pin 4 (2pcs) (Golden Color)

Above parts are completely interchangeable as a set.

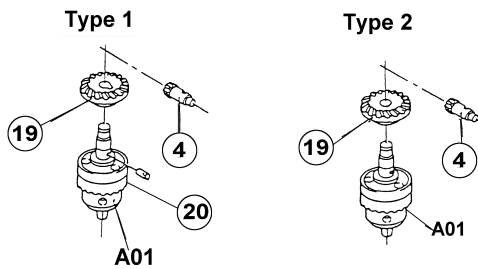
### 3. Change on Hex Bolt/Tapping Screw and Motor Housing.



Item No.	Description	Type 1	Type 2
16	Hex Bolt/Tapping Screw	925183-4 - (+) Hex Bolt M4x55	265891-8 - Tapping Screw BT 4x55
34	Motor Housing	156766-1 (DA3000) (No Longer Available) 156804-9 (DA3000R) (No Longer Available)	157720-8 (DA3000) 157722-4 (DA3000R)
	Serial No. DA3000R	~ 45902E	45903E ~

DA3000 has Type 1 only.

### 4. Change on Gear etc.....



Item No.	Description	Type 1	Type 2
4	Spiral Bevel Gear	221342-1 (10) (No Longer Available)	226751-9 (7)
19	Spiral Bevel Gear	221343-9 (36) (No Longer Available)	226752-7(24)
20	Pin 5	256023-8	-----
	Serial No. DA3000	---	---
	Serial No. DA3000R	~269705E	269706E ~

DA3000 Tools sold in Canada have only Type 1 Parts.  
Above parts are completely interchangeable as a set.