



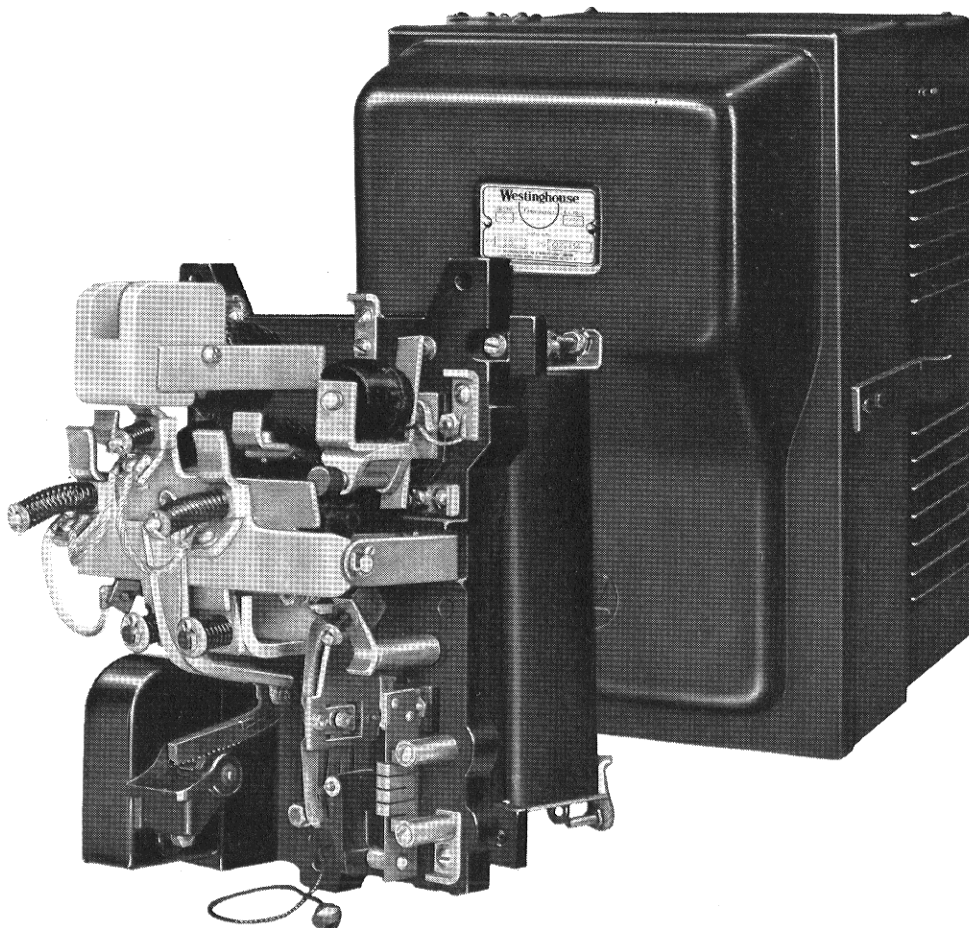
timestarters class 8512-2

renewal
parts data
8512A2

d-c motor control

for constant speed
direct current motors

page 1



style and class number of timestarter

class number of timestarter

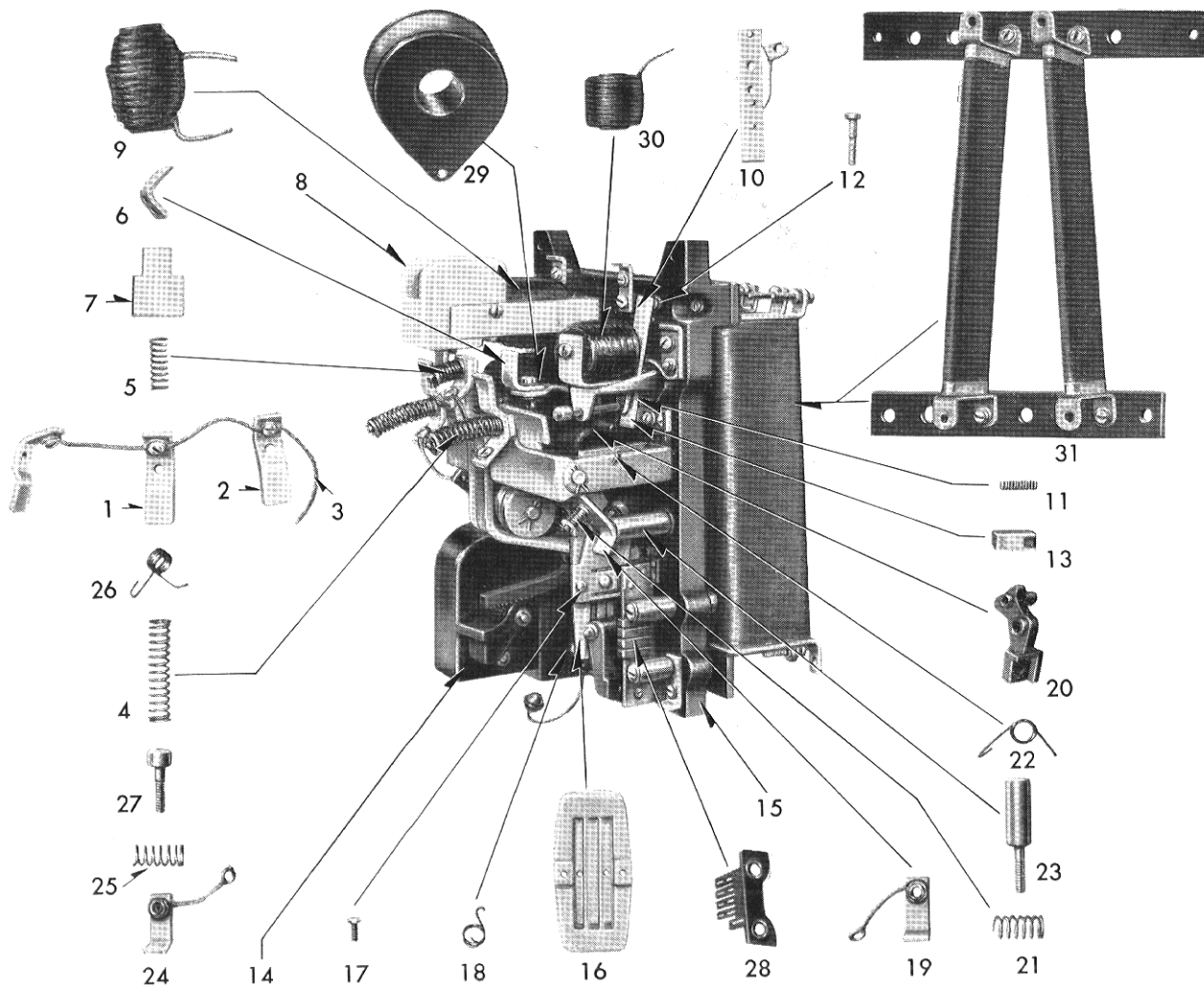
8512-A2	8512-B2	8512-C2	8512-E2	8512-F2
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style number of timestarter

832 706 to 832 713	832 714 to 832 727	832 728 to 832 741	832 742 to 832 755	832 756 to 832 769
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ordering information

- Name the part and give its style number.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.
- Combine orders to total at least two dollars as this is minimum charge.



renewal parts for class 8512-2 timestarter

ref. no.	description of part	style number of part		no. used
		plain style number	sub A, B, C style number	
△	armature complete	940 430	940 430	1
△	cross bar and rack lever	685 184	685 184	1
△	bare armature	790 596	790 596	1
1	main moving contact complete	841 369	841 369	1
2	main moving contact	790 716	790 716	3
3	shunt	831 518	831 518	3
4	contact spring—long	247 317	247 317	2
5	contact spring—short	322 588	322 588	1
△	spring pin—long	685 179	685 179	2
△	spring pin—short	685 180	685 180	1
6	main stationary contact—right and left hand	548 382	548 382	2
△	main stationary contact support	594 326	594 326	2
△	main stationary contact stud	361 704	361 704	2
7	main stationary contact—center	685 162	685 162	1
8	arc box	685 163	685 163	1
9	blowout coil	654 166	654 166	1
△	armature shaft	790 722	790 722	4
△	armature spring	569 659	569 659	2
△	armature shim	790 710	790 710	1
△	armature bracket—right hand	685 186	685 186	1
△	armature bracket—left hand	685 185	685 185	1
△	lockout interlock		831 516	1
10	moving contact with shunt	685 177	882 130	1
△	push rod	685 174	841 368	1
11	moving contact spring	710 165	710 165	1
12	upper stationary contact for lockout interlock	790 243	790 243	1
13	lower stationary contact for lockout interlock	790 244	790 244	1
△	rack	685 159	831 515	1
△	rack spring		841 397	1
△	rack pin	685 178	685 178	1
●14	time delay mechanism	711 324	711 324	1
▲	ratchet	685 158	828 278	1
▲	escapement wheel and shaft	799 784	799 784	1
▲	escapement lever and shaft	829 958	831 392	1
▲	balance wheel	685 150	685 150	1
▲	balance wheel shaft	685 156	685 156	1
▲	wing nut	188 675	188 675	1
▲	frame	685 151	831 390	1
△	magnet frame	790 598	790 598	1
△	magnet core	790 597	790 597	1
△	felt washer for coil	318 976	318 976	1
15	starter base (8512-A2)	790 242	790 242	1
△	starter base with overload relay (8512-B2, C2, E2, F2)	997 717	997 717	1
16	moving contact (8512-B2, C2, E2, F2)	541 356	541 356	1
△	moving contact support (8512-B2, C2, E2, F2)	597 588	597 588	1
17	stationary contact and holder (8512-B2, C2, E2, F2)	659 346	659 346	1
△	stationary contact support (8512-B2, C2, E2, F2)	597 589	597 589	1
△	latch (8512-B2, C2, E2, F2)	597 585	597 585	1
18	latch spring (8512-B2, C2, E2, F2)	597 590	597 590	1
△	operating lever (8512-B2, C2, E2, F2)	597 586	597 586	1
△	calibrating lever (8512-B2, C2, E2, F2)	597 584	597 584	1
△	thermal strip (8512-B2, C2, E2, F2)	760 649	760 649	1
19	moving dynamic braking contact (8512-C2, F2)	685 191	685 191	1
20	moving dynamic braking arm (8512-C2, F2)	685 200	685 200	1
21	contact spring for dynamic braking (8512-C2, F2)	697 580	697 580	1
22	spring for dynamic braking (8512-C2, F2)	790 721	790 721	1
23	stationary dynamic braking contact (8512-C2, F2)	790 720	790 720	1
24	moving full field contact (8512-E2, F2)	685 190	685 190	1
20	moving full field arm (8512-E2, F2)	685 200	685 200	1
25	contact spring for full field (8512-E2, F2)	697 580	697 580	1
26	spring for full field (8512-E2, F2)	685 201	685 201	1
27	stationary full field contact (8512-E2, F2)	790 601	790 601	1
28	heater for overload relay (8512-B2, C2, E2, F2)	see pg. 4	see pg. 4	1
29	operating coil	see pg. 4	see pg. 4	1
30	lockout coil—230 volt	see pg. 4	see pg. 4	1
31	resistor	see pg. 4	see pg. 4	1

△ not illustrated parts indented are included in the part under which they are indented

● Any customer having time delay mechanism with brass ratchet and requiring new parts, should order improved design mechanism complete S#711 324 together with rack S#831 515 and rack spring S#841 397.

▲ When replacements for time delay mechanism are necessary the mechanism should be sent to our works or nearest service shop as parts require accurate fitting. These parts may be renewed by customer, but at the risk of improper operation.
style no. 1174 962=rack S# 831 515 and ratchet S#828 278

variable parts for class 8512-2 timestarter

style number of time- starter	rating		style number of part				style number of time- starter	rating		style number of part			
	hp	volts	operating coil	resistor	heater	lockout coil		hp	volts	operating coil	resistor	heater	lockout coil
832 706,A	1½	115	776 135	773 844	...	...	832 738B	3	230	776 132	1239 201	474 421	654 169
832 707,A	3	115	776 135	773 841	...	...	832 739,A	5	230	776 133	773 847	474 425	654 169
832 708,A,B	5	115	776 135	773 842	...	...	832 739B	5	230	776 132	1239 202	474 425	654 169
832 709,A	1½	230	776 133	773 849	...	...	832 740,A	7½	230	776 133	773 848	474 429	654 169
832 709B	1½	230	776 132	1239 204	...	...	832 740B	7½	230	776 132	1239 203	474 429	654 169
832 710,A	3	230	776 133	773 850	...	...	832 741,A	10	230	776 133	773 848	816 929	654 169
832 710B	3	230	776 132	1239 205	...	...	832 741B,C	10	230	776 132	1239 203	816 929	654 169
832 711,A	5	230	776 133	773 851	...	...	832 742,A,B	½	115	776 135	773 844	551 937	...
832 711B	5	230	776 132	1239 206	...	...	832 743,A,B	1	115	776 135	773 844	474 419	...
832 712,A	7½	230	776 133	773 852	...	...	832 744,A,B	1½	115	776 135	773 844	474 421	...
832 712B	7½	230	776 132	1239 207	...	...	832 745,A	2	115	776 135	773 841	502 915	...
832 713,A	10	230	776 133	773 852	...	...	832 746,A,B	3	115	776 135	773 841	474 427	...
832 713B,C	10	230	776 132	1239 207	...	...	832 747,A,B,C	5	115	776 135	773 842	816 929	...
832 714,A	½	115	776 135	773 844	551 937	...	832 748,A,B	½	230	776 133	773 849	511 262	...
832 715,A	1	115	776 135	773 844	474 419	...	832 748C	½	230	776 132	1239 204	511 262	...
832 716,A	1½	115	776 135	773 844	474 421	...	832 749,A,B	1	230	776 133	773 849	551 943	...
832 717,A	2	115	776 135	773 841	502 915	...	832 749C	1	230	776 132	1239 204	551 943	...
832 718,A	3	115	776 135	773 841	474 427	...	832 750,A,B	1½	230	776 133	773 849	551 939	...
832 719,A,B	5	115	776 135	773 842	816 929	...	832 750C	1½	230	776 132	1239 204	551 939	...
832 720,A	½	230	776 133	773 849	511 262	...	832 751,A,B	2	230	776 133	773 850	511 343	...
832 720B	½	230	776 132	1239 204	511 262	...	832 751C	2	230	776 132	1239 205	511 343	...
832 721,A	1	230	776 133	773 849	551 943	...	832 752,A,B	3	230	776 133	773 850	474 421	...
832 721B	1	230	776 132	1239 204	551 943	...	832 752C	3	230	776 132	1239 205	474 421	...
832 722,A	1½	230	776 133	773 849	551 939	...	832 753,A,B	5	230	776 133	773 851	474 425	...
832 722B	1½	230	776 132	1239 204	551 939	...	832 753C	5	230	776 132	1239 206	474 425	...
832 723,A	2	230	776 133	773 850	511 343	...	832 754,A,B	7½	230	776 133	773 852	474 429	...
832 723B	2	230	776 132	1239 205	511 343	...	832 754C	7½	230	776 132	1239 207	474 429	...
832 724,A	3	230	776 133	773 850	474 421	...	832 755,A,B	10	230	776 133	773 852	816 929	...
832 724B	3	230	776 132	1239 205	474 421	...	832 755C	10	230	776 132	1239 207	816 929	...
832 725,A	5	230	776 133	773 851	474 425	...	832 756,A	½	115	776 135	773 843	551 937	712 402
832 725B	5	230	776 132	1239 206	474 425	...	832 757,A	1	115	776 135	773 843	474 419	712 402
832 726,A	7½	230	776 133	773 852	474 429	...	832 758,A	1½	115	776 135	773 843	474 421	712 402
832 726B	7½	230	776 132	1239 207	474 429	...	832 759,A	2	115	776 135	773 839	502 915	712 402
832 727,A	10	230	776 133	773 852	816 929	...	832 760,A	3	115	776 135	773 839	474 427	712 402
832 727B,C	10	230	776 132	1239 207	816 929	...	832 761,A,B	5	115	776 135	773 840	816 929	712 402
832 728,A	½	115	776 135	773 843	551 937	712 402	832 762,A	½	230	776 133	773 845	511 262	654 169
832 729,A	1	115	776 135	773 843	474 419	712 402	832 762B	½	230	776 132	1239 200	511 262	654 169
832 730,A	1½	115	776 135	773 843	474 421	712 402	832 763,A	1	230	776 133	773 845	551 943	654 169
832 731,A	2	115	776 135	773 839	502 915	712 402	832 763B	1	230	776 132	1239 200	551 943	654 169
832 732,A	3	115	776 135	773 839	474 427	712 402	832 764,A	1½	230	776 133	773 845	551 939	654 169
832 733,A,B	5	115	776 135	773 840	816 929	712 402	832 764B	1½	230	776 132	1239 200	551 939	654 169
832 734,A	½	230	776 133	773 845	511 262	654 169	832 765,A	2	230	776 133	773 846	511 343	654 169
832 734B	½	230	776 132	1239 200	511 262	654 169	832 765B	2	230	776 132	1239 201	511 343	654 169
832 735,A	1	230	776 133	773 845	551 943	654 169	832 766,A	3	230	776 133	773 846	474 421	654 169
832 735B	1	230	776 132	1239 200	551 943	654 169	832 766B	3	230	776 132	1239 201	474 421	654 169
832 736,A	1½	230	776 133	773 845	551 939	654 169	832 767,A	5	230	776 133	773 847	474 425	654 169
832 736B	1½	230	776 132	1239 200	551 939	654 169	832 767B	5	230	776 132	1239 202	474 425	654 169
832 737,A	2	230	776 133	773 846	511 343	654 169	832 768,A	7½	230	776 133	773 848	474 429	654 169
832 737B	2	230	776 132	1239 201	511 343	654 169	832 768B	7½	230	776 132	1239 203	474 429	654 169
832 738,A	3	230	776 133	773 846	474 421	654 169	832 769,A	10	230	776 133	773 848	816 929	654 169
							832 769B	10	230	776 132	1239 203	816 929	654 169