



**K295-2AX
&
K340-2AX**

PARTS IDENTIFICATION

REVISION NO. 12-71

This is a complete revision.

ENGINE SPECIFICATION NUMBERING SYSTEMS

The seven digit engine specification numbering system has been discontinued in favor of a six digit system similar to that used on Kohler 4-cycle engines. All specification numbers are now listed in the parts manual sections with variations indicated where they occur. The accompanying chart lists the engine models to which the six digit engine spec. numbers have been assigned. These have U.S. Standard thread sizes.

SIX DIGIT ENGINE SPECIFICATION NUMBERING SYSTEM

<u>MODEL</u>	<u>SPEC NUMBER</u>	<u>MODEL</u>	<u>SPEC NUMBER</u>
K295-1	108001 & continuing	K440-2/K440-2AX	112001 & continuing
K295-2/K295-2AX	118001 & continuing	RK440-2	115001 & continuing
K340-2/K340-2AX	113001 & continuing	K440-2SS	117001 & continuing
K399-2/K399-2AX	109001 & continuing	K645-3SS	114001 & continuing

SEVEN DIGIT CODED ENGINE SPEC. NUMBERING SYSTEM

The following code designation data applies to engines having the seven digit engine spec. numbers (for example 34 003 05). With this coded system it is possible to determine if the engine has Metric or U.S. Standard threads plus what type of special equipment is used by referring to the engine spec. number which is composed of three elements which are: the prefix (or first 2 digits), the body (center 3 digit noun code) and the suffix which is the last two digits on the right. The code designation is as follows:

The PREFIX is the code designation for engine model. The following prefixes have been assigned:

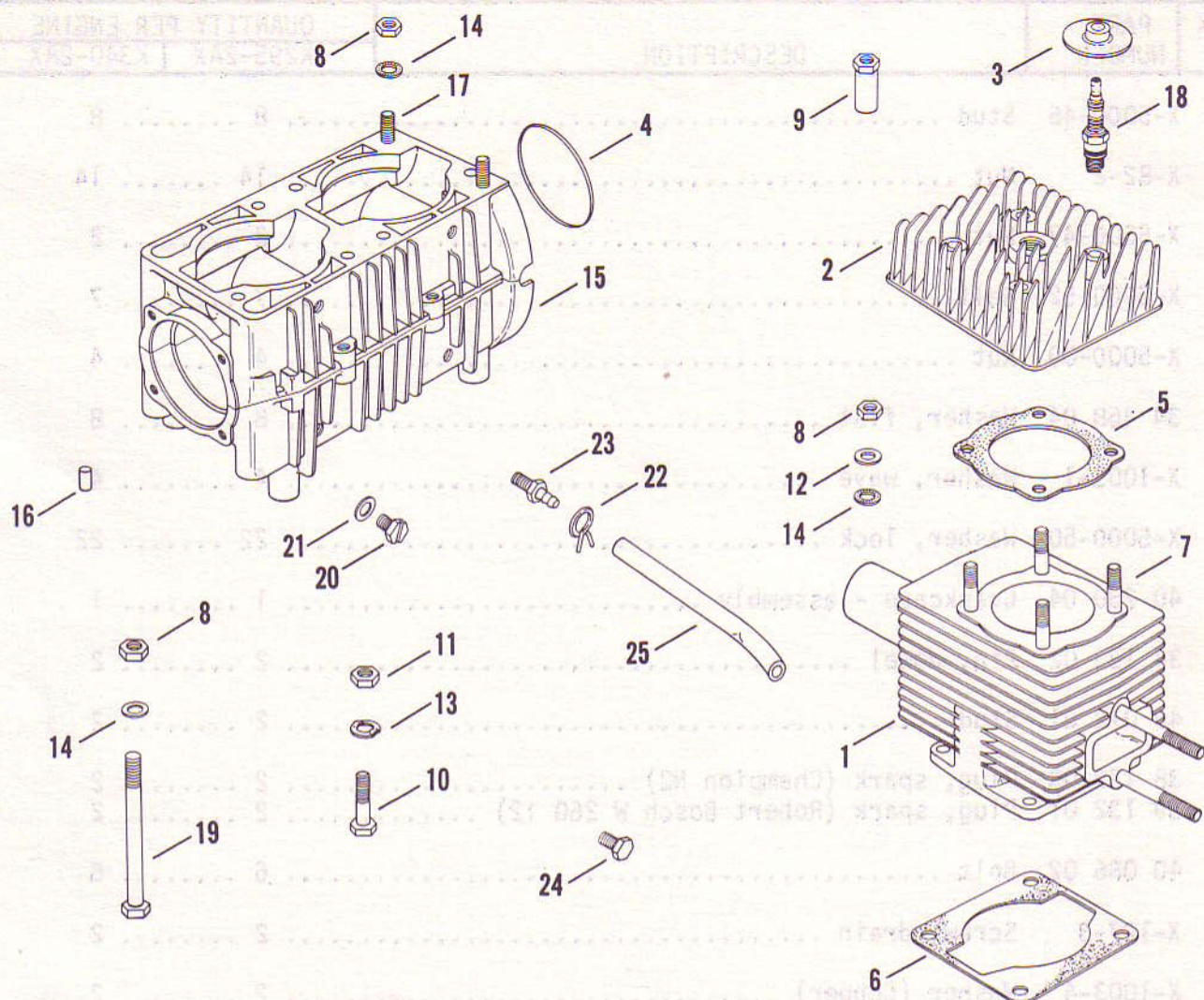
<u>PREFIX</u>	<u>MODEL</u>	<u>PREFIX</u>	<u>MODEL</u>
33	K309-1	38	K440-2/RK440-2
34	K399-2/RK399-2	39	K295-1
35	NOT USED	40	K340-2
36	K618-2	43	K645-3SS
37	K335-1	44	K440-2SS

The BODY, or noun code, indicates a complete engine assembly.

The SUFFIX NUMBER indicates special equipment.

<u>ENGINE START TYPE</u>	<u>THREAD SIZE CODE</u>			
	<u>METRIC</u>	<u>U. S. STANDARD</u>		
Rope start	01	06	11	16
Electric start (only)	02	07	12	17
Retractable starter (only)	03	08	13	18
Electric & retractable starter	04	09	14	19
Retractable starter with ring gear	05	10	15	20

K295-2AX & K340-2AX CRANKCASE AND CYLINDER

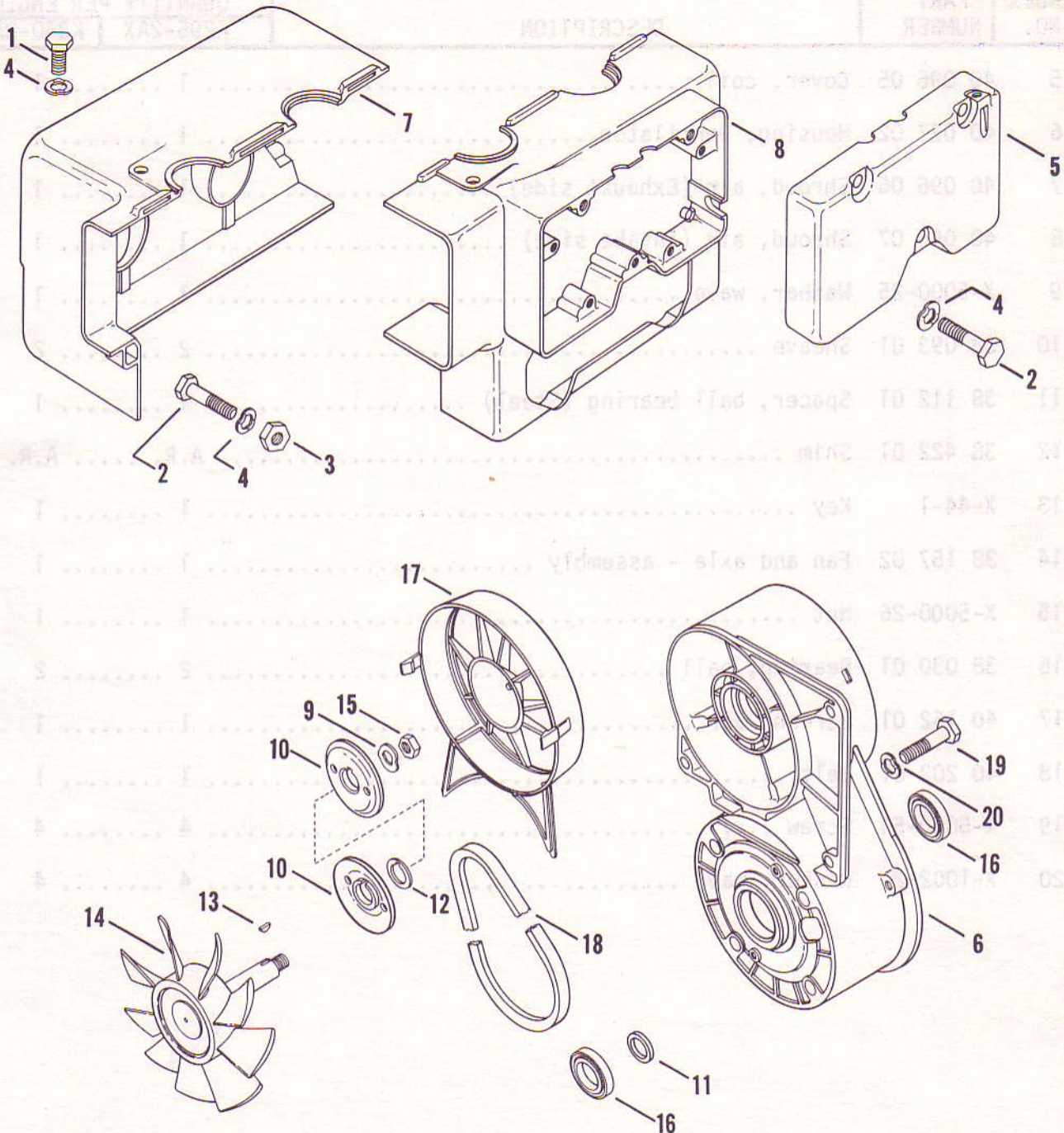


INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	39 137 04	Cylinder	2	
	40 137 03	Cylinder		2
2	39 015 02	Head, cylinder	2	
	40 015 02	Head, cylinder		2
3	39 135 01	Grommet, spark plug	2	
	40 313 01	Grommet, spark plug		2
4	40 153 01	Seal, "O" ring	1	1
5	39 052 01	Gasket, cylinder head	2	
	40 055 03	Gasket, cylinder head		2
6	40 055 01	Gasket, cylinder base	2	2

K295-2AX & K340-2AX CRANKCASE AND CYLINDER

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
7	X-5000-46	Stud	8	8
8	X-82-2	Nut	14	14
9	X-5000-47	Nut	2	2
10	X-5000-52	Bolt	7	7
11	X-5000-09	Nut	4	4
12	34 468 04	Washer, flat	8	8
13	X-1003-1	Washer, wave	4	4
14	X-5000-50	Washer, lock	22	22
15	40 260 04	Crankcase - assembly	1	1
16	34 133 02	Pin, dowel	2	2
17	40 072 01	Stud	2	2
18	38 132 03	Plug, spark (Champion N2)	2	2
	39 132 01	Plug, spark (Robert Bosch W 260 T2)	2	2
19	40 086 02	Bolt	6	6
20	X-127-3	Screw, drain	2	2
21	X-1003-4	Washer (Copper)	2	2
22	33 237 02	Clamp, impulse tube	2	2
23	37 294 01	Connector, impulse tube	1	1
24	34 139 03	Plug, nylon	1	1
25	39 134 01	Tube, impulse	1	1

K295-2AX & K340-2AX AIR SHROUD & COOLING

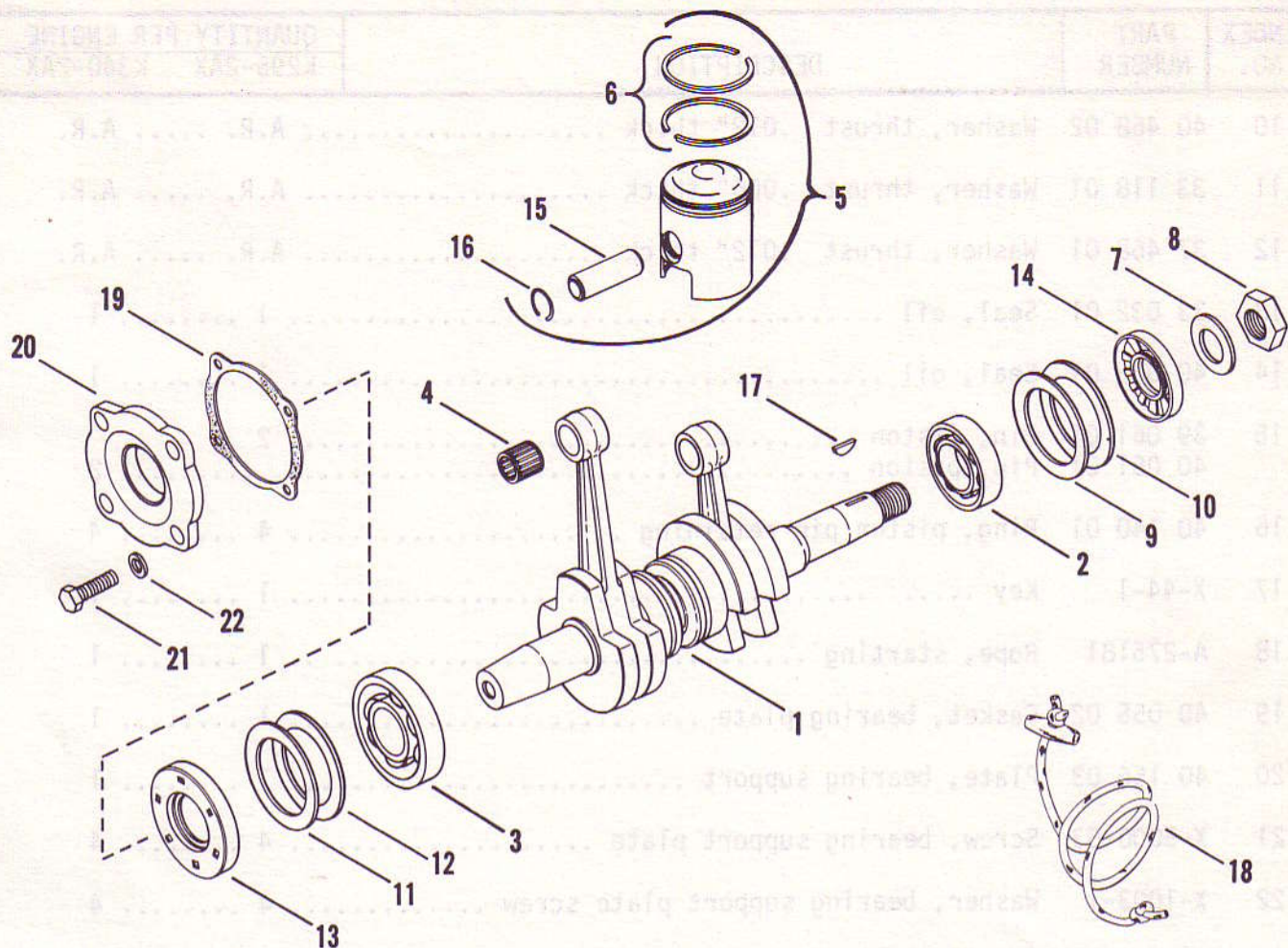


INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	X-5000-48	Screw	2	2
2	X-5000-52	Bolt	4	4
3	X-5000-09	Nut	1	1
4	X-1003-1	Washer, wave	7	7

K295-2AX & K340-2AX AIR SHROUD & COOLING

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
5	40 096 05	Cover, coil	1	1
6	40 027 02	Housing, ventilator	1	1
7	40 096 06	Shroud, air (Exhaust side)	1	1
8	40 096 07	Shroud, air (Intake side)	1	1
9	X-5000-25	Washer, wave	1	1
10	38 093 01	Sheave	2	2
11	38 112 01	Spacer, ball bearing (Steel)	1	1
12	38 422 01	Shim	A.R.	A.R.
13	X-44-1	Key	1	1
14	38 157 02	Fan and axle - assembly	1	1
15	X-5000-26	Nut	1	1
16	38 030 01	Bearing, ball	2	2
17	40 162 01	Screen, air	1	1
18	40 203 01	Belt	1	1
19	X-5000-54	Screw	4	4
20	X-1002-2	Washer, wave	4	4

K295-2AX & K340-2AX CRANKSHAFT, PISTON AND RINGS



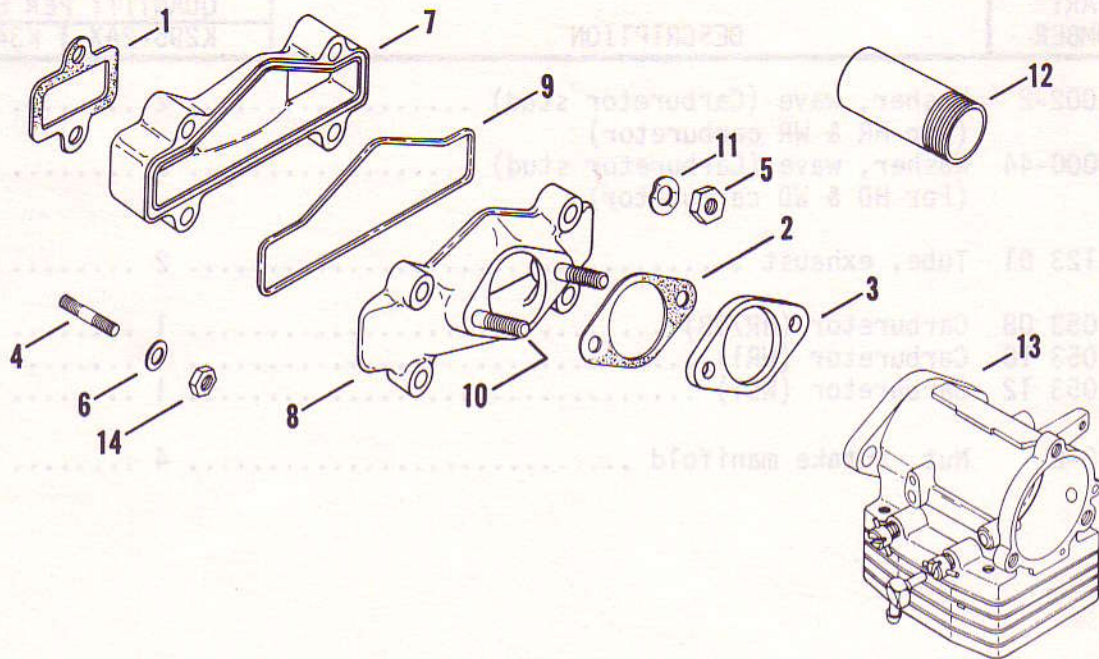
INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	40 142 02	Crankshaft - assembly (Includes connecting rod) . 1	1	1
2	40 030 01	Bearing, ball	1	1
3	231625	Bearing, ball	1	1
4	X-1007-4	Bearing, needle	2	2
5	39 074 09	Piston - assembly	2	
	40 074 05	Piston - assembly		2
6	39 108 02	Ring set - std.	2	
	40 108 05	Ring set - std.		2
7	X-1003-5	Washer	1	1
8	X-89-11	Nut	1	1
9	40 468 01	Washer, thrust .006" thick	A.R.	A.R.

K295-2AX & K340-2AX CRANKSHAFT, PISTON AND RINGS

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
10	40 468 02	Washer, thrust .012" thick	A.R.	A.R.
11	33 118 01	Washer, thrust .006" thick	A.R.	A.R.
12	37 468 01	Washer, thrust .012" thick	A.R.	A.R.
13	33 032 01	Seal, oil	1	1
14	40 032 01	Seal, oil	1	1
15	39 061 01	Pin, piston	2	
	40 061 01	Pin, piston		2
16	40 140 01	Ring, piston pin retaining	4	4
17	X-44-1	Key	1	1
18	A-275181	Rope, starting	1	1
19	40 055 02	Gasket, bearing plate	1	1
20	40 156 03	Plate, bearing support	1	1
21	X-5000-53	Screw, bearing support plate	4	4
22	X-1003-1	Washer, bearing support plate screw	4	4

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE
			K295-2AX K340-2AX
1	40 140 02	Crankshaft - assembly (includes connecting rod)	1
2	40 000 01	Gearing, ball	1
3	237825	Bearing, ball	1
4	X-1007-4	Bearing, needle	2
5	39 074 09	Piston - assembly	2
6	40 074 08	Piston - assembly	2
7	39 108 02	Ring set - std	2
8	40 108 02	Ring set - std	2
9	X-1003-2	Washer	1
10	X-85-11	Nut	1
11	40 468 01	Washer, thrust .006" thick	A.R.

K295-2AX & K340-2AX MANIFOLD & CARBURETOR



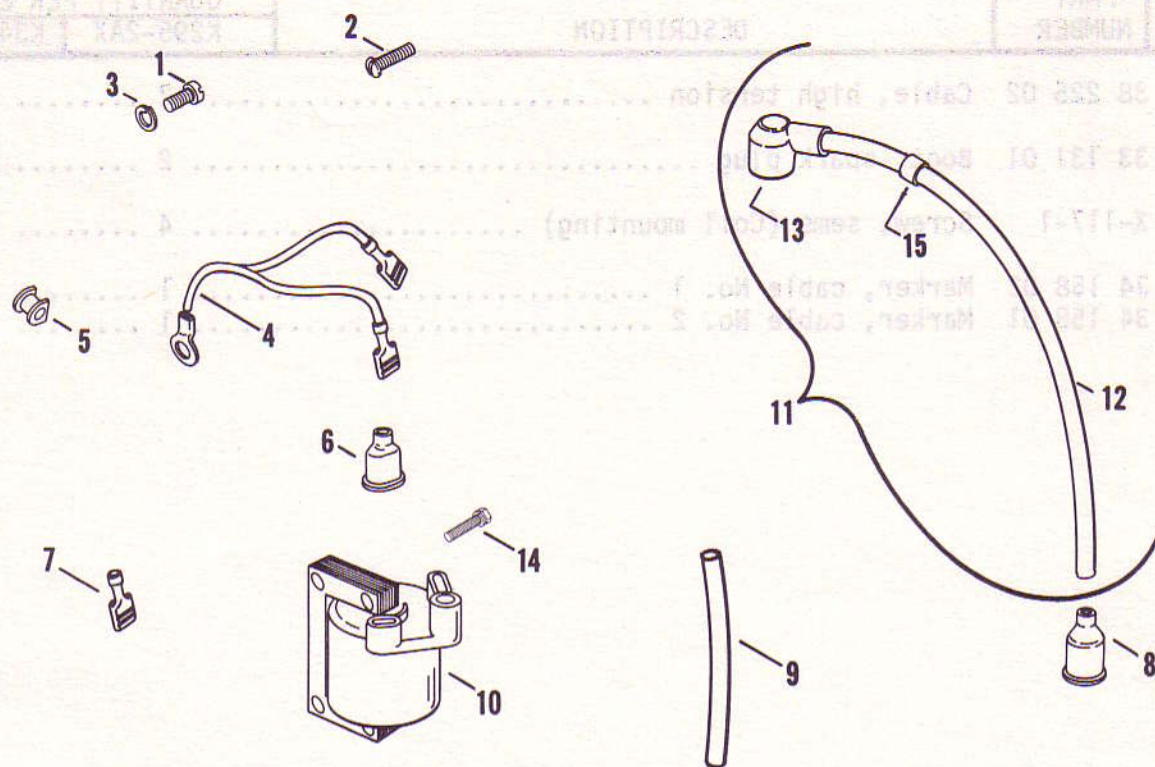
INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	40 041 01	Gasket, intake manifold	2	2
2	33 041 03	Gasket, carburetor (For HR & WR carburetor)	2	2
	38 055 04	Gasket, carburetor (For HD & WD carburetor)	2	2
3	33 041 04	Gasket, insulating (For HR & WR carburetor)	1	1
	38 041 01	Gasket, insulating (For HD & WD carburetor)	1	1
4	33 072 07	Stud, intake manifold	4	4
5	X-83-2	Nut, carburetor stud (For HD & WD carburetor) ...	2	2
	X-82-2	Nut, carburetor stud (For HR & WR carburetor) ...	2	2
6	X-5000-50	Washer	4	4
7	39 164 01	Manifold, intake (Bottom half - base)	1	1
8	39 164 02	Manifold, intake (Top half)	1	1
		(For HR & WR carburetor)		
	40 164 03	Manifold, intake (Top half)	1	1
		(For HD & WD carburetor)		
9	39 055 01	Gasket	1	1
10	X-5000-51	Stud, carburetor (For HR & WR carburetor)	2	2
	X-5000-37	Stud, carburetor (For HD & WD carburetor)	2	2

K295-2AX & K340-2AX MANIFOLD & CARBURETOR

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
11	X-1002-2	Washer, wave (Carburetor stud) 2	2	2
	X-5000-44	Washer, wave (Carburetor stud) 2	2	2
12	39 123 01	Tube, exhaust 2	2	2
13	34 053 08	Carburetor (HR79B) 1	1	1
	34 053 10	Carburetor (WR1) 1	1	1
	34 053 12	Carburetor (WD1) 1	1	1
14	X-82-2	Nut, intake manifold 4	4	4

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	40 041 01	Gasket, intake manifold 2	2	2
2	33 041 03	Gasket, carburetor (For HR & WR carburetor) 2	2	2
	38 022 06	Gasket, carburetor (For HD & WD carburetor) 2	2	2
3	33 041 04	Gasket, insulating (For HR & WR carburetor) 1	1	1
	38 041 07	Gasket, insulating (For HD & WD carburetor) 1	1	1
4	33 072 07	Stud, intake manifold 4	4	4
5	X-83-2	Nut, carburetor stud (For HD & WD carburetor) 2	2	2
	X-82-2	Nut, carburetor stud (For HR & WR carburetor) 2	2	2
6	X-5000-50	Washer 4	4	4
7	39 124 01	Manifold, intake (bottom half - base) 1	1	1
8	39 124 02	Manifold, intake (top half) 1	1	1
		(For HR & WR carburetor)		
	40 124 03	Manifold, intake (top half) 1	1	1
		(For HD & WD carburetor)		
9	39 055 01	Gasket 1	1	1
10	X-5000-51	Stud, carburetor (For HR & WR carburetor) 2	2	2
	X-5000-52	Stud, carburetor (For HD & WD carburetor) 2	2	2

K295-2AX & K340-2AX FLYWHEEL MAGNETO



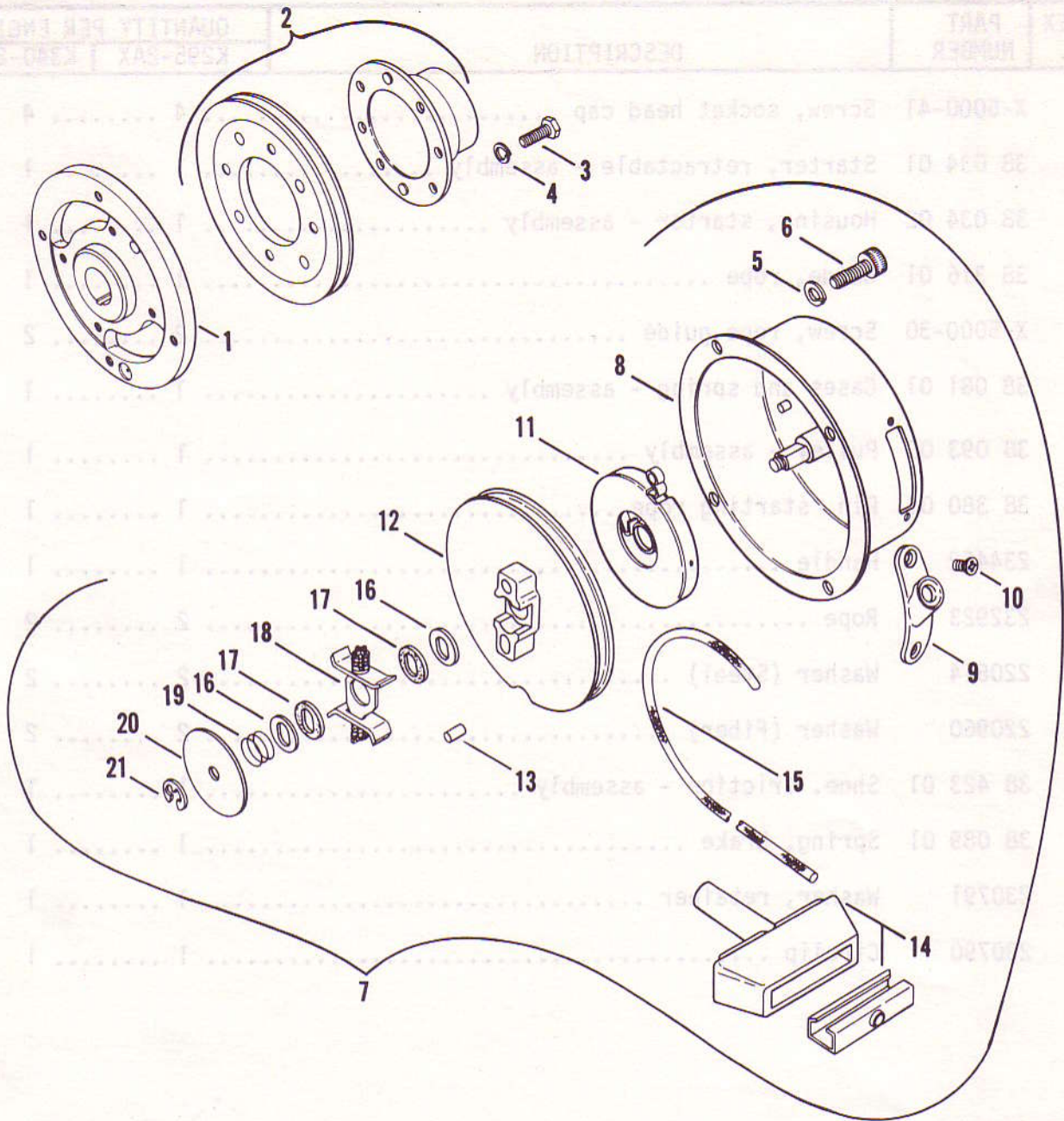
INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
40 025 03		Magneto, flywheel - assembly 1 1 (Robert Bosch Part No. 0 212 416 027)		
1	X-165-2	Screw, stator plate mounting 2 2		
2	X-161-2	Screw, magnet ring 4 4		
3	X-25-48	Washer, wave (Stator plate mounting) 2 2		
4	34 518 01	Lead, ground (Includes two (2) of 34 096 03) 1 1		
5	34 135 01	Grommet, lead 2 2		
6	34 096 03	Cover, terminal 4 4		
7	33 452 01	Connector 2 2		
8	34 096 02	Cover, high tension cable terminal 2 2		
9	34 431 01	Sleeve 1 1		
10	34 145 02	Coil, ignition 2 2		
11	38 225 01	Cable, high tension - assembly 2 2 (Includes 38 225 02 & 33 131 01)		

K295-2AX & K340-2AX FLYWHEEL MAGNETO

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
12	38 225 02	Cable, high tension	2	2
13	33 131 01	Boot, spark plug	2	2
14	X-117-1	Screw, sems (Coil mounting)	4	4
15	34 158 02	Marker, cable No. 1	1	1
	34 158 01	Marker, cable No. 2	1	1

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	X-155-5	Screw, stator plate mounting	2	2
2	X-161-5	Screw, magnet ring	4	4
3	X-25-48	Washer, wave (stator plate mounting)	2	2
4	34 218 01	Lead, ground (includes two (2) of 34 096 03)	1	1
5	34 132 01	Grommet, lead	2	2
6	34 096 03	Cover, terminal	4	4
7	33 482 01	Connector	2	2
8	34 096 02	Cover, high tension cable terminal	2	2
9	34 431 01	Sleeve	1	1
10	34 146 02	Coil, ignition	2	2
11	38 225 01	Cable, high tension - assembly (includes 38 225 02 & 33 131 01)	2	2

K295-2AX & K340-2AX RETRACTABLE STARTER



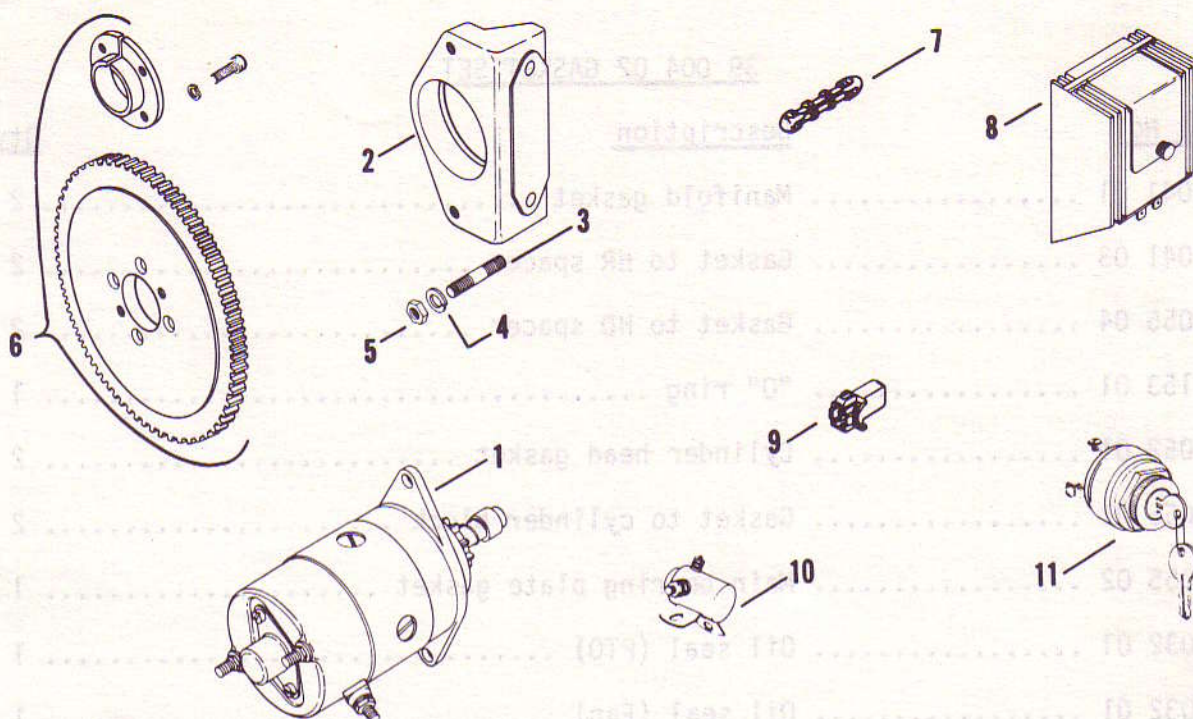
INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	38 026 01	Hub	1	1
2	38 093 02	Cup, starter - assembly (Includes sheaves)	1	1
3	X-134-4	Screw, hex. hd.	4	4
4	X-20-1	Washer, lock	4	4
5	X-5000-40	Washer, lock	4	4

K295-2AX & K340-2AX RETRACTABLE STARTER

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
6	X-5000-41	Screw, socket head cap	4	4
7	38 034 01	Starter, retractable - assembly	1	1
8	38 034 02	Housing, starter - assembly	1	1
9	38 316 01	Guide, rope	1	1
10	X-5000-30	Screw, rope guide	2	2
11	38 081 01	Cases and spring - assembly	1	1
12	38 093 03	Pulley - assembly	1	1
13	38 380 01	Pin, starting rope	1	1
14	234452	Handle	1	1
15	232923	Rope	2	2
16	220614	Washer (Steel)	2	2
17	220960	Washer (Fiber)	2	2
18	38 423 01	Shoe, friction - assembly	1	1
19	38 089 01	Spring, brake	1	1
20	230791	Washer, retainer	1	1
21	230790	Circlip	1	1

INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX

K295-2AX & K340-2AX ELECTRIC STARTING



INDEX NO.	PART NUMBER	DESCRIPTION	QUANTITY PER ENGINE	
			K295-2AX	K340-2AX
1	38 098 01	Starter, electric - assembly (Robert Bosch Part No. 0 001 160 003)	1	1
2	38 126 01	Bracket	1	1
3	X-5000-17	Stud	4	4
4	X-21-1	Washer, lock	4	4
5	X-82-2	Nut, hex.	4	4
6	38 097 02	Gear, ring - assembly	1	1
7	33 304 01	Fuse, protective	2	2
8	33 163 02	Rectifier (75 watt)	1	1
9	33 139 02	Plug, connector	1	1
10	A-243823	Relay	1	1
11	33 099 01	Switch, starter	1	1

MISCELLANEOUS

39 004 02 GASKET SET

<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
40 041 01	Manifold gasket	2
33 041 03	Gasket to HR spacer	2
38 055 04	Gasket to HD spacer	2
40 153 01	"O" ring	1
39 052 01	Cylinder head gasket	2
40 055 01	Gasket to cylinder block	2
40 055 02	Main bearing plate gasket	1
33 032 01	Oil seal (PTO)	1
40 032 01	Oil seal (Fan)	1
39 055 01	Gasket to manifold halves	1

40 004 02 GASKET SET

<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
40 041 01	Manifold gasket	2
33 041 03	Gasket to HR spacer	2
38 055 04	Gasket to HD spacer	2
40 153 01	"O" ring	1
40 055 03	Cylinder head gasket	2
40 055 01	Gasket to cylinder block	2
40 055 02	Main bearing plate gasket	1
33 032 01	Oil seal (PTO)	1
40 032 01	Oil seal (Fan)	1
39 055 01	Gasket to manifold halves	1