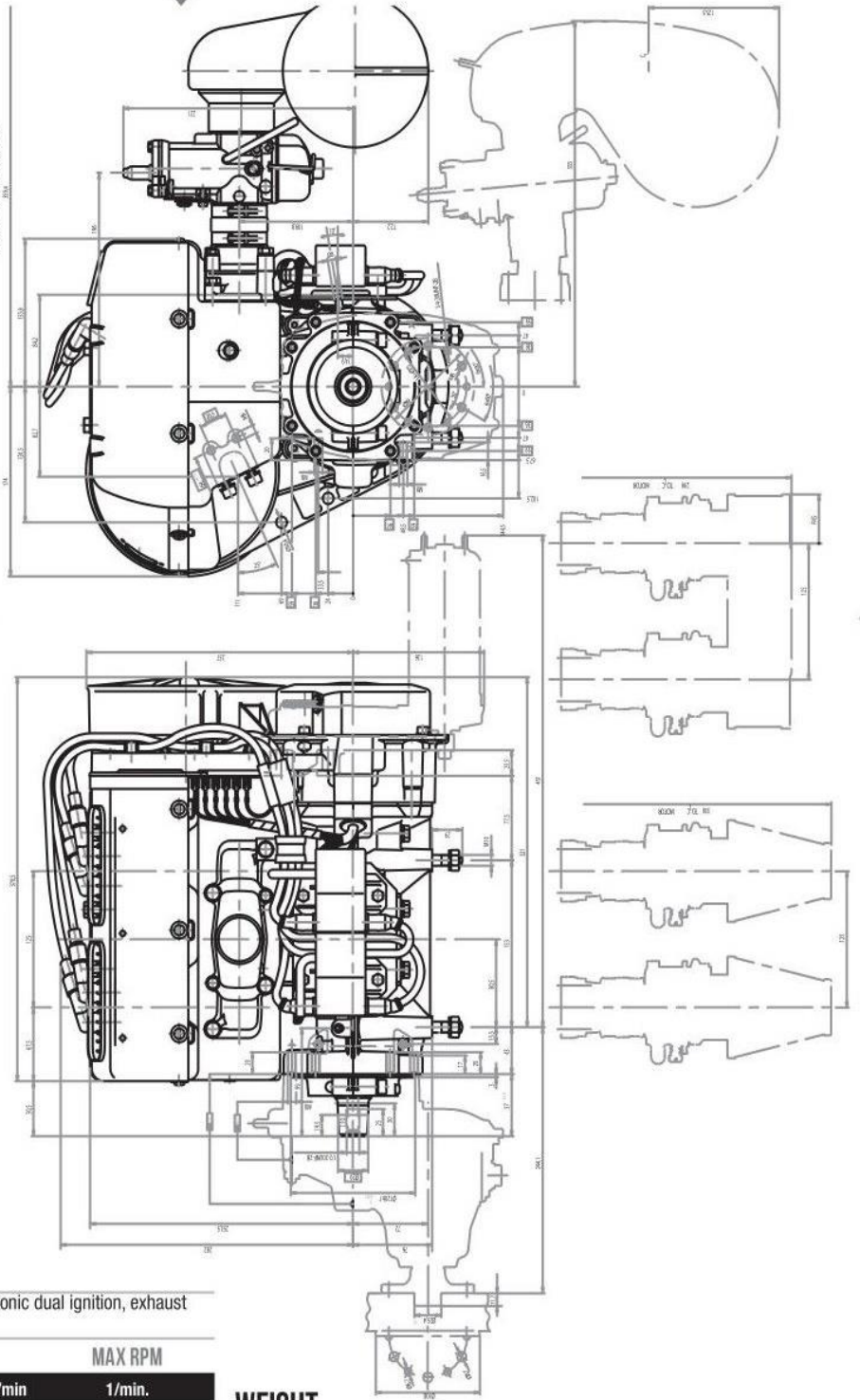
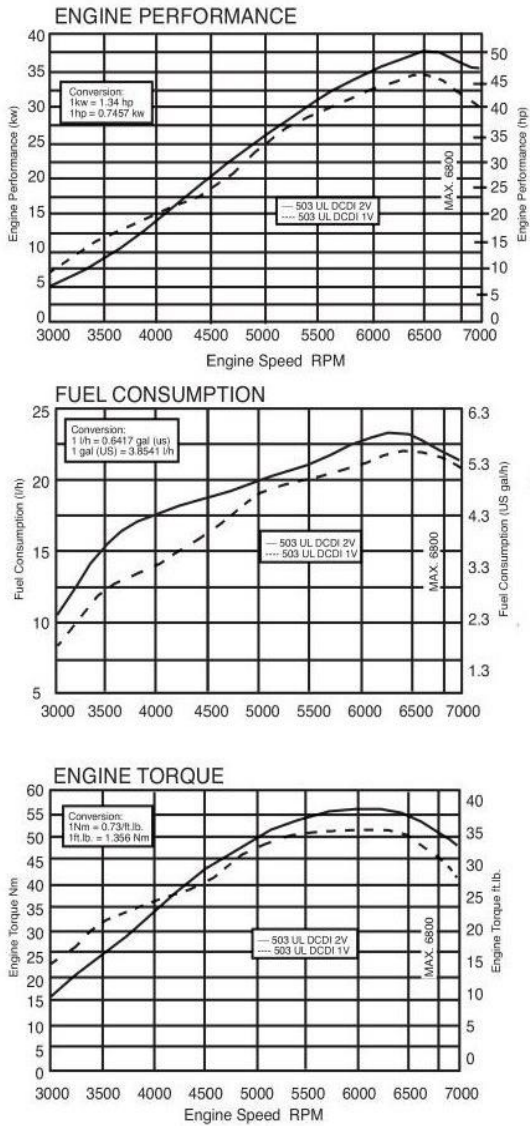


ROTAX 503 UL



ROTAX® 503 UL DCDI

2-cylinder, 2 stroke fan cooled engine with piston ported inlet, electronic dual ignition, exhaust system, carburetor, rewind starter.

VERSION	PERFORMANCE			TORQUE			MAX RPM
	kW	hp	1/min	Nm	Ft. lb.	1/min	1/min.
503 UL-1V	34.0	45.6	6500	51	37.6	5900	6800
503 UL-2V	37.0	49.6	6500	56	41.3	6000	6800
BORE		STROKE		DISPLACEMENT		COMPRESSION RATIO	
72 mmz 2.84 in.		61 mm 2.40 in		496.7 cm ³ 30.31 cu.in.		th: 10.8 ef: 6.2	
FUEL		SUPER 2-STROKE OIL				MIXING RATIO	
min. MON 83 RON 91*		API-TC-Classification				1:50**	
min. AKI 87*							
*Leaded or unleaded. **Variable with fresh oil pump.							
IGNITION UNIT		IGNITION TIMING				SPARK PLUG	
Ducati double CDI		16° v. OT				Part No. 897 055	
GENERATOR PERFORMANCE			RPM			VOLTAGE	
155 W DC			6000 1/min			13.5 V	

WEIGHT

Standard	kg	lbs
Engine*	31.4	69.2
2 Carburetors	1.8	4.0
Exhaust System	5.1	11.2
Options	kg	lbs
2 Air Cleaners	0.3	0.7
Dual Air Cleaner	0.5	1.1
Electric Starter	3.5	7.7
Gearbox "B"/ i=2.0/2.24/2.58	4.5	9.9
Gearbox "C"/ i=2.62/3.0/3.47/4.0	8.0	17.6

Options	kg	lbs
Gearbox "E"/ i=2.62/3.0/3.47/4.0	11.2	24.7
Oil Tank 2.4 l	1.6	3.5
Fresh Oil Pump	0.3	0.7
Intake Silencer 1V	0.8	1.8
Intake Silencer 2V	1.1	2.4
After Muffler	1.6	3.5
Intake Silencer 1V	0.8	1.8
Intake Silencer 2V	1.1	2.4
After Muffler	1.6	3.5

*Engine also available in free-air version.

★ROTAX 503 (CDI) Parts

★ROTAX 503 UL ENGINE CRANKCASE PARTS

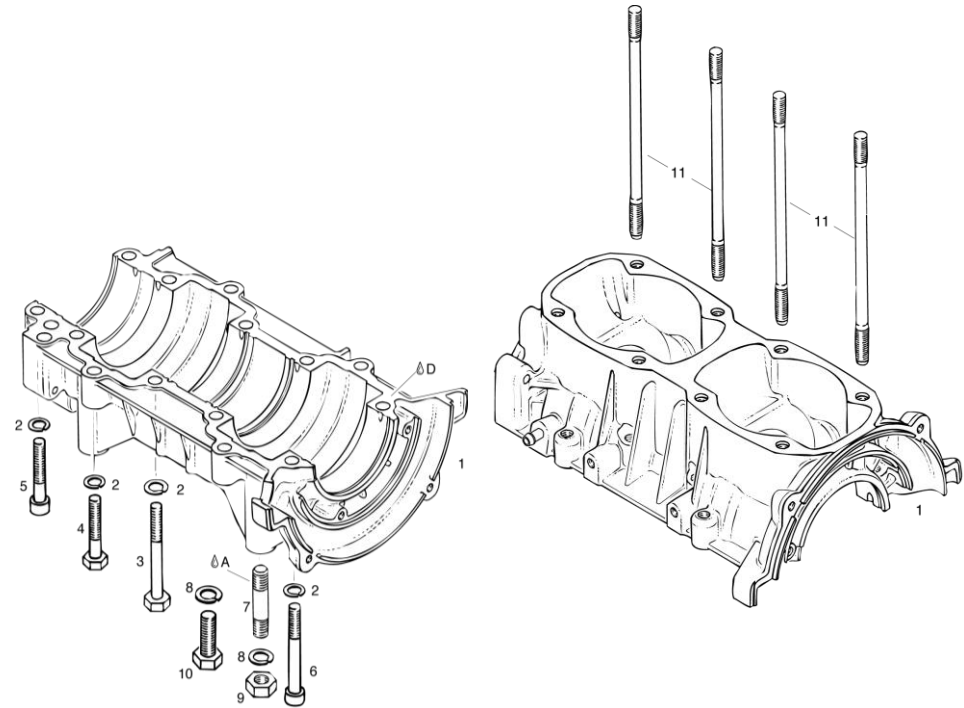


Fig.No.	Part No.	Description	Qty 503 UL
1-6	887 796	Crankcase Assembly	1a
2	945 752	Lock Washer A8	14
3	841 201	Hex Screw M8x70	6
4	940 631	Hex Screw M8x45 DIN 931, 2-Stroke	4
5	640 611	Allen Screw M8x45	2
6	841 841	Allen Screw M8x65 DIN 912	2
7	940 190	Stud M10x29/20	4
8	945 753	Lock Washer A10	4
9	242 091	Hex Nut M10	4
10	940 326	Hex Screw M10X30	4
11	840 556	Stud M8x173,5	8

★ROTAX 503 UL CRANKSHAFT,PISTON PARTS

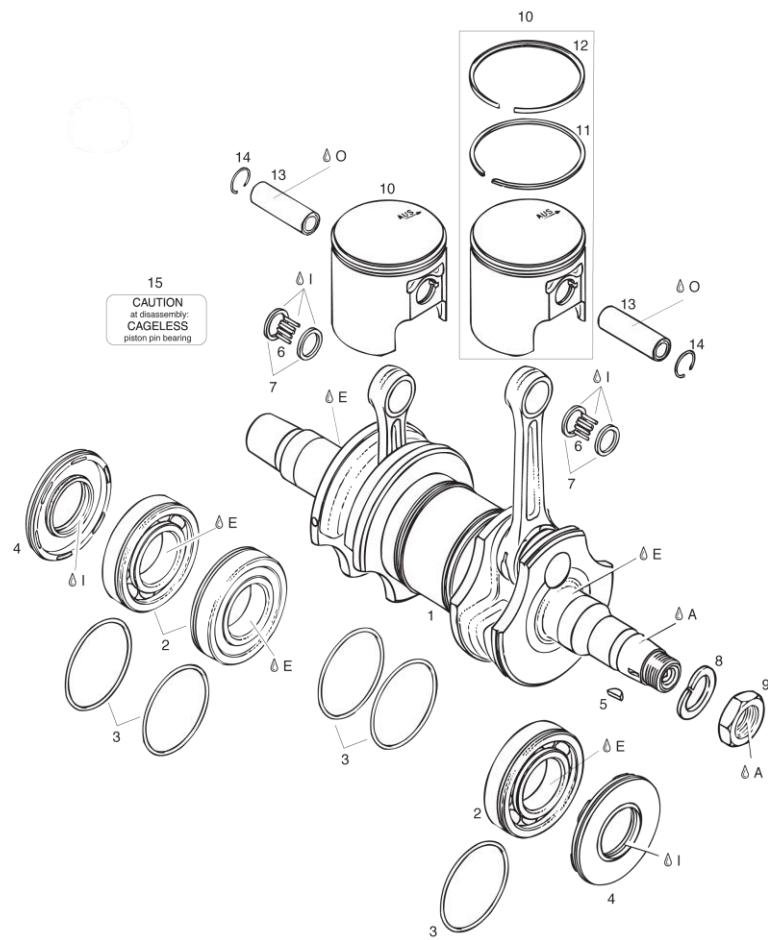


Fig.No.	Part No.	Description	Qty 503 UL
1-7	996 441	Crankshaft Assembly	1
2	632 741	Ball Bearing 6207N TNH C3 35-72-17, 2-Stroke	3
3	250 165	O-Ring 64x2	5
4	831 950	Crankshaft Oil Seal 35x72x7/8,5	2
5	246 055	Woodruff Key 3x3.7 DIN 6888	1
6-7	832 320	Cageless Needle Bearing 18X22X23	2
7	827 465	Thrust Washer 18/21,7/2,5	4
8	945 759	Lock Washer 22	1
9	842 239	Hex Nut M22x1,5, 2-Stroke	1
10-12	996 245-1	Piston Assembly 71.93mm Red Dot	2a
10-12	996 245-2	Piston Assembly 71.94mm Green Dot	2a
10-12	996 246-1	Piston Assembly 72.18mm Red Dot	2b
10-12	996 246-2	Piston Assembly 72.19mm Green Dot	2b
10-12	996 247-1	Piston Assembly 72.43mm Red Dot	2c
10-12	996 247-2	Piston Assembly 72.44mm Green Dot	2c
11	915 850	Rectangular Ring 72.00 MM	2d
11	915 851	Rectangular Ring 72.25 MM	2e
11	915 852	Rectangular Ring 72.5 MM	2f
12	215 235	503, 532, 277 Semi-Trapez Ring 72.00mm (Top Ring)	2d
12	215 236	503, 532, 277 Semi-Trapez Ring 72.25mm (Top Ring)	2e
12	215 237	503, 532, 277 Semi-Trapez Ring 72.50mm (Top Ring)	2f
13	916 186	Piston Pin 18x11x58.7, 2-Stroke	2
14	945 735	Circlip 18, 582 Mod 90 only	4g
15	897 280	Cageless Label	1

★ROTAX 503 UL ENGINE OIL PUMP,OIL PUMP DRIVE PARTS

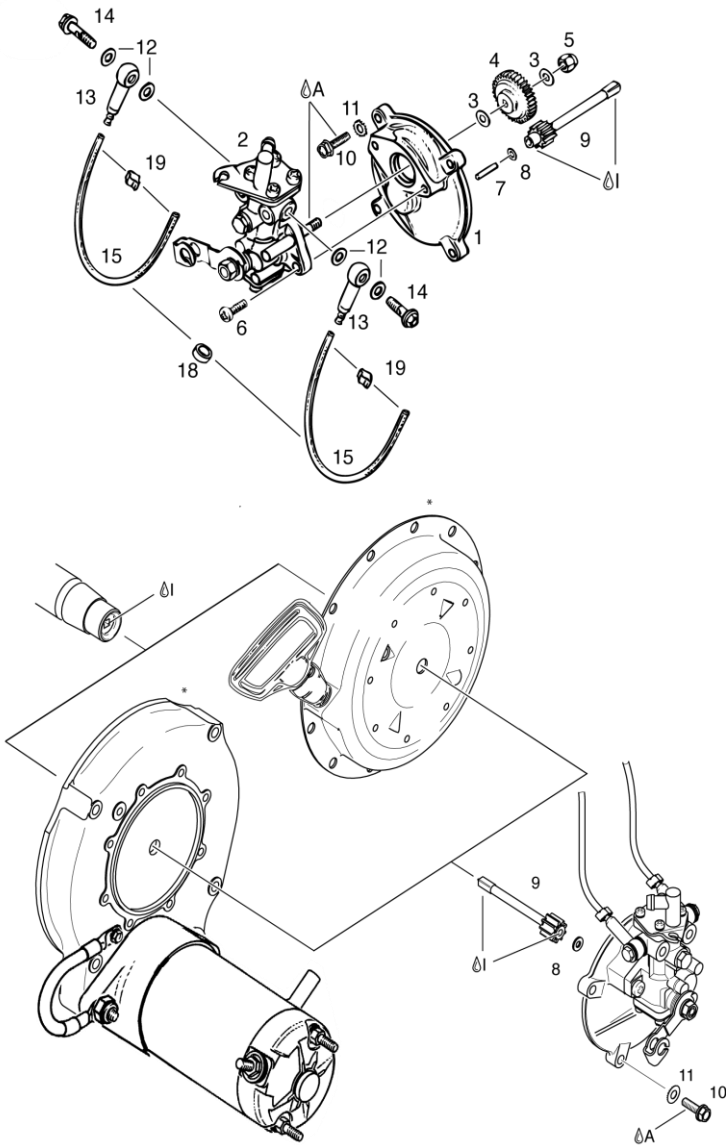
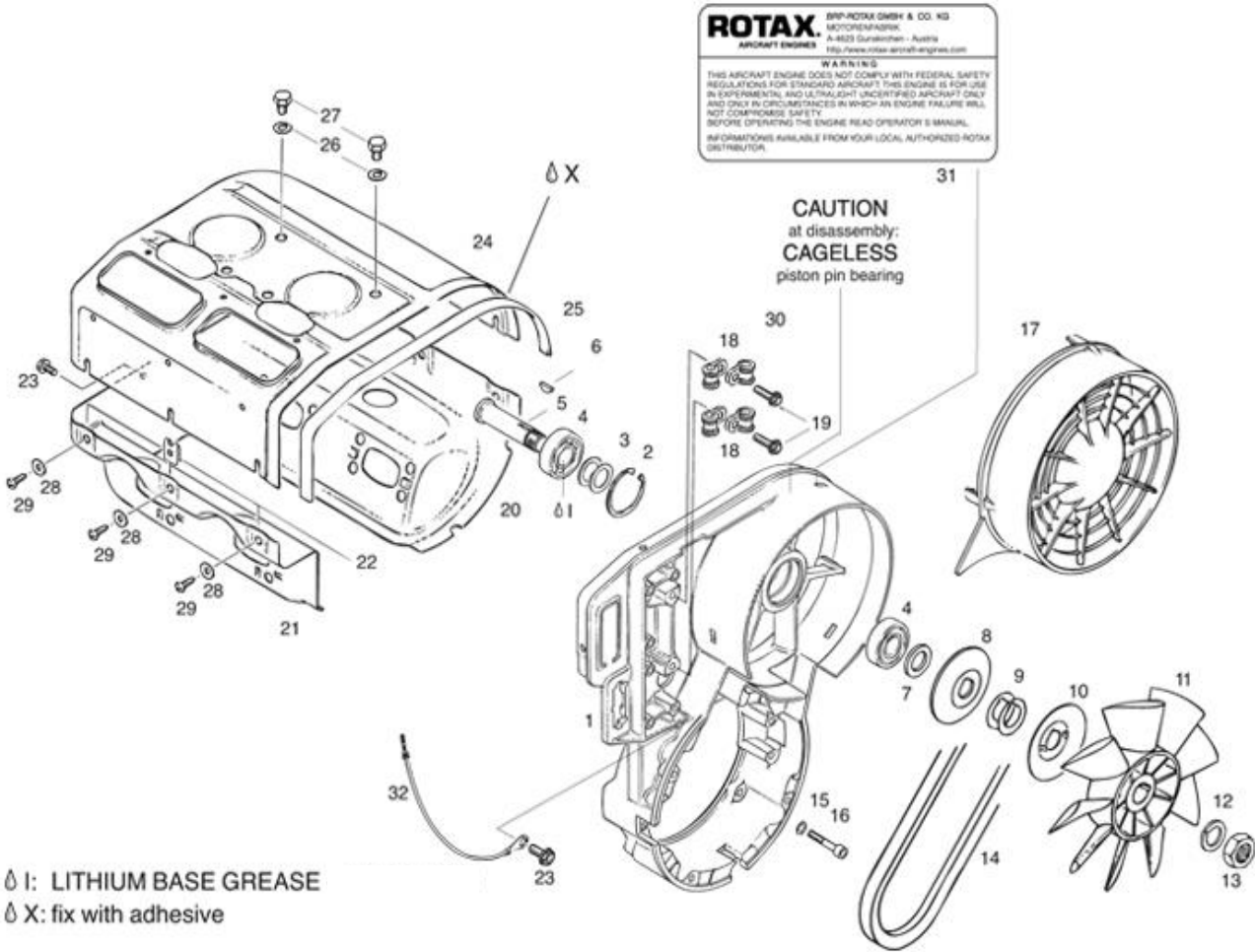


Fig.No.	Part No.	Description	Qty 503 UL
1	910 160	Pump Mounting Flange	1
2	886 096	Oil Pump Assembly	1e
3	927 945	Washer 6,2/12/1	2
4	935 930	Oil Pump Gear 27 T.	1
5	842 042	Lock Nut M6	1
6	841 971	Plastite Screw X 16	2
7	832 260	Needle Pin B4x17,8	1
8	244 073	Washer 4,3	1
9	935 970	Gear 9 T	1
9	935 972	Gear 9 T	1a
10	941 925	Taptite Screw M5X16	4
11	945 530	Friction Washer A 5,3	4
12	227 500	Gasket Ring 6,2/12/1	4
13	956 010	Check Valve Assembly	2
14	241 830	Banjo Bolt M6x16	2
15-17	960 040	Oil Line 2,2+/-0,1x4,3+0,4, SOLD PER METER	ARb
18	960 700	Rubber Ring 7x1,5x5	2
19	853 840	Clamp 3-5 MM	4

★ROTAX 503(CDI) Parts

★ROTAX 503 UL ENGINE FAN HOUSING,CYLINDER COWLS,FAN,V-BELT PARTS

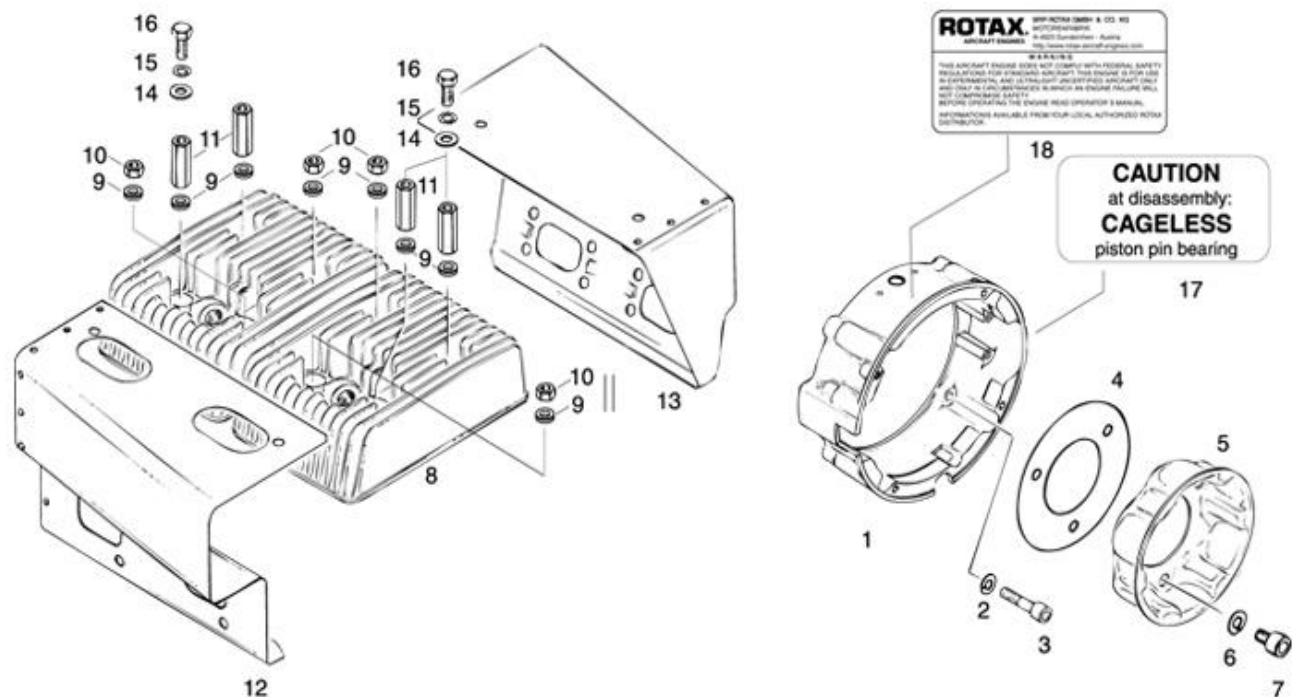


FOR CHART BELOW:
a IN A ROLL

No.	Status	Part Number	Description	Qty
1		912-205	FAN HOUSING	1
2		945-880	RETAINING RING 40X1, 75	1
3		244-585	SHIM 17, 5/24/1,0	2
4	N	832-161	BALL BEARING 6203-2RS C3, 17-40-12	2
5		937-940	FAN SHAFT	1
6		246-015	WOODRUFF KEY 3X5	1
7		827-650	DISTANCE SLEEVE 17, 3/28/2, 8	1
8		980-496	PULLEY HALF	1
9		827-080	SHIM 17, 5/27/0, 5	AR
9		827-082	SHIM 17, 5/27/0, 2	AR
10		980-523	PROTECTION WASHER	1
11		866-292	FAN	1
12		945-756	LOCK WASHER 16	1
13		942-289	HEX. NUT M16X1,5	1
14		980-518	V-BELT 10X6X610	1
15		945-751	LOCK WASHER A6 DIN 128	4

No.	Status	Part Number	Description	Qty
16		840-880	ALLEN SCREW M6X30 DIN 912	4
17		975-695	FAN-COVER	1
18		853-412	CABLE CLAMP	4
19		941-250	TAPTITE-SCREW M6X20	2
20		810-273	CYLINDER COWL, LOWER HALF LEFT	1
21		810-270	CYLINDER COWL, LOWER HALF RIGHT	1
22		842-390	SPRING NUT V 4,8	8
23		240-385	TAPTITE-SCREW M6X12	2
24		912-215	CYLINDER COWL ASSY., UPPER HALF	AR
25		960-961	SEALING STRIP 440 MM	1
26		945-752	LOCK WASHER A8	4
27		940-580	HEX. SCREW M8X16	4
28	N	845-330	WASHER 5, 1X16X1, 2	8
29		841-495	SELF-TAPPING SCREW 4.8X16	8
30		897-280	CAGELESS LABEL	AR
31		897-501	RED WARNING LABEL	AR

★ROTAX 503 UL ENGINE IGNITION HOUSING,AIR GUIDES,
FOR CONFIGURATION : FREE AIR COOLED PARTS



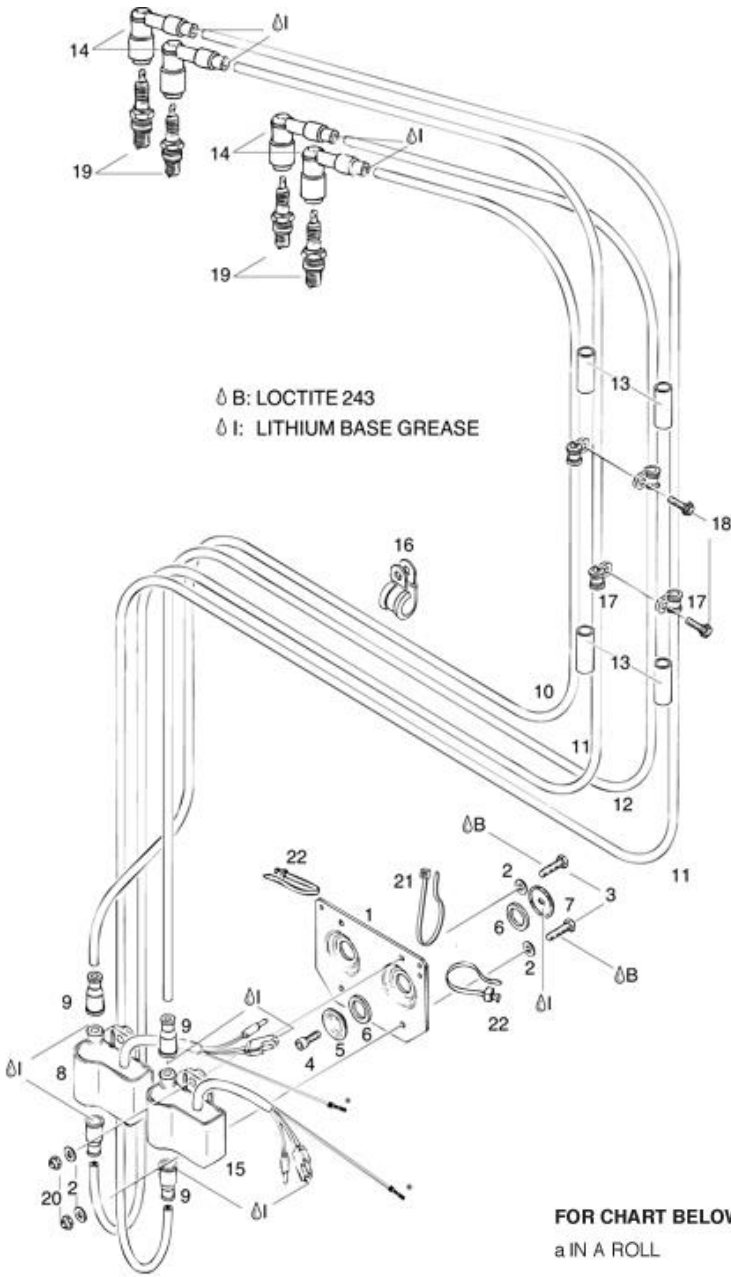
FOR CHART BELOW:

- a FOR ELECTRIC STARTER CONFIGURATION MAGNETO-SIDE OR PTO SIDE.
- b IN A ROLL
- c FOR 1-CARBURETOR VERSION
- d FOR 2-CARBURETOR VERSION
- e RETROFITABLE FROM ENGINE S/N: 4,103.549

No.	Status	Part Number	Description	Qty
1		910-418	IGNITION HOUSING E.,	1a
2		945-751	LOCK WASHER A6 DIN 128	4
3		840-880	ALLEN SCREW M6X30 DIN 912	4
4		827-286	PLUG WASHER 55/107	1
5		852-412	STARTING PULLEY	1
6		845-310	LOCK WASHER VHZ 8	3
7		841-520	ALLEN SCREW M8X12	3
8		823-668	CYLINDER HEAD	2
9		847-475	CONE SLEEVE 8,4/15/4	8
10		242-209	HEX. NUT M8 DIN 934	4
11		842-050	DISTANCE NUT M8X37	4
12		910-727	AIR GUIDE ASSY.,	1b
13		910-707	AIR GUIDE ASSY.,	1c
14		250-311	WASHER 8,4 DIN 125	4
15		945-752	LOCK WASHER A8	4
16		940-580	HEX. SCREW M8X16	4
17		897-280	CAGELESS LABEL	AR
18		897-501	RED WARNING LABEL	AR

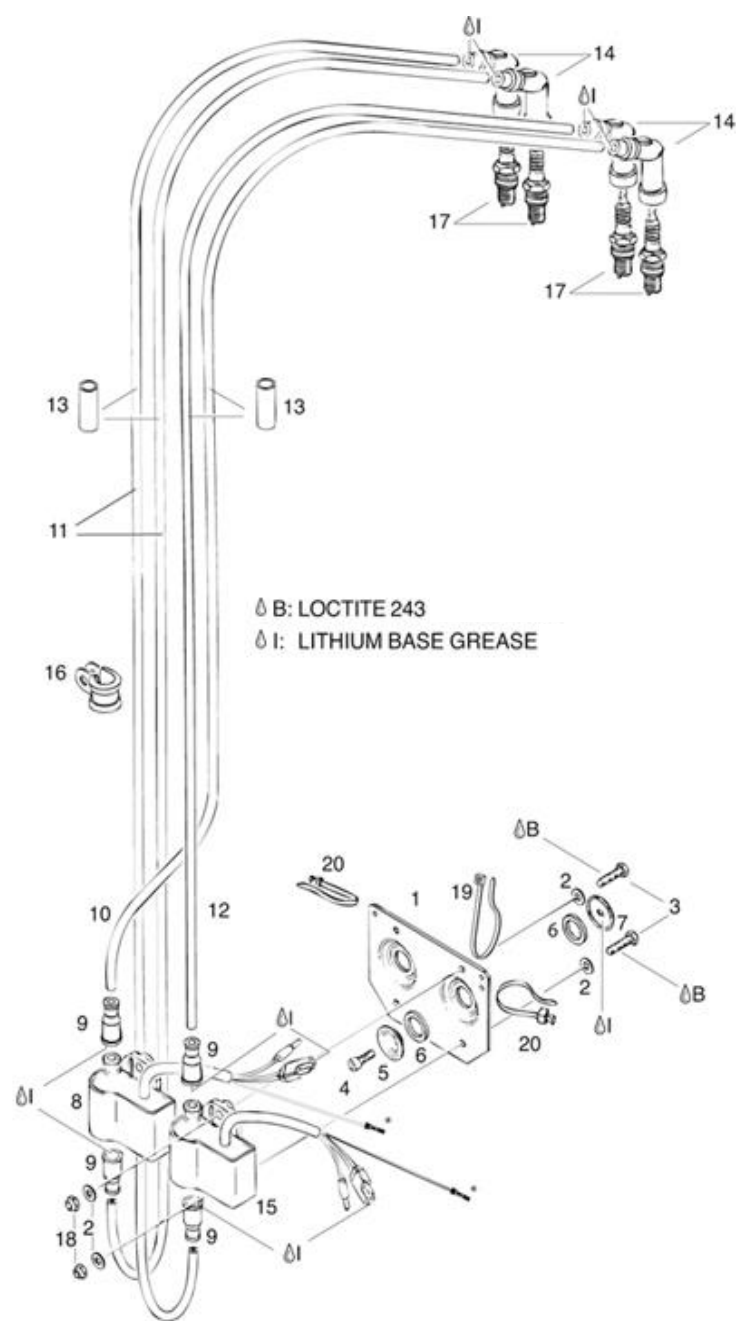
★ROTAX 503(CDI) Parts

★ROTAX 503 UL ENGINE ELECTRONIC BOXES SUPPORTING PLATE PARTS



No.	Status	Part Number	Description	Qty
1		851-040	MOUNTING PLATE	1
2		244-211	WASHER 6,4 DIN 134	8
3		240-036	HEX. SCREW M6X25 DIN 933	4
4		241-236	ALLEN SCREW M6X16	2
5		827-815	DISTANCE CAP	2
6		960-865	RUBBER WASHER 18/26/3	4
7		944-090	SHIM 6,05	2
8		966-462	ELECTRONIC BOX	1
9		960-550	PROTECTION CAP	4
10-12		965-153	IGNITION CABLE 1,5/7 MM (SEE NOTES)	ARa
13		830-962	PROTECTION HOSE 12X16X40	4
14		866-702	SUPPRESSED SPARK PLUG CONNECTOR	4
15		966-467	ELECTRONIC BOX	1
16		851-100	CABLE CLAMP 18	1
17		853-412	CABLE CLAMP	4
18		941-250	TAPTITE-SCREW M6X20	2
19		897-055	SPARK PLUG 14 MM, NGK BR 8 ES	4
20		842-042	LOCK NUT M6	1
21		251-920	CLAMP 279X3,6 MM	1
22		866-710	CLAMP 142X2,5 MM	2
23		964-072	INSULATION SHEATH	2

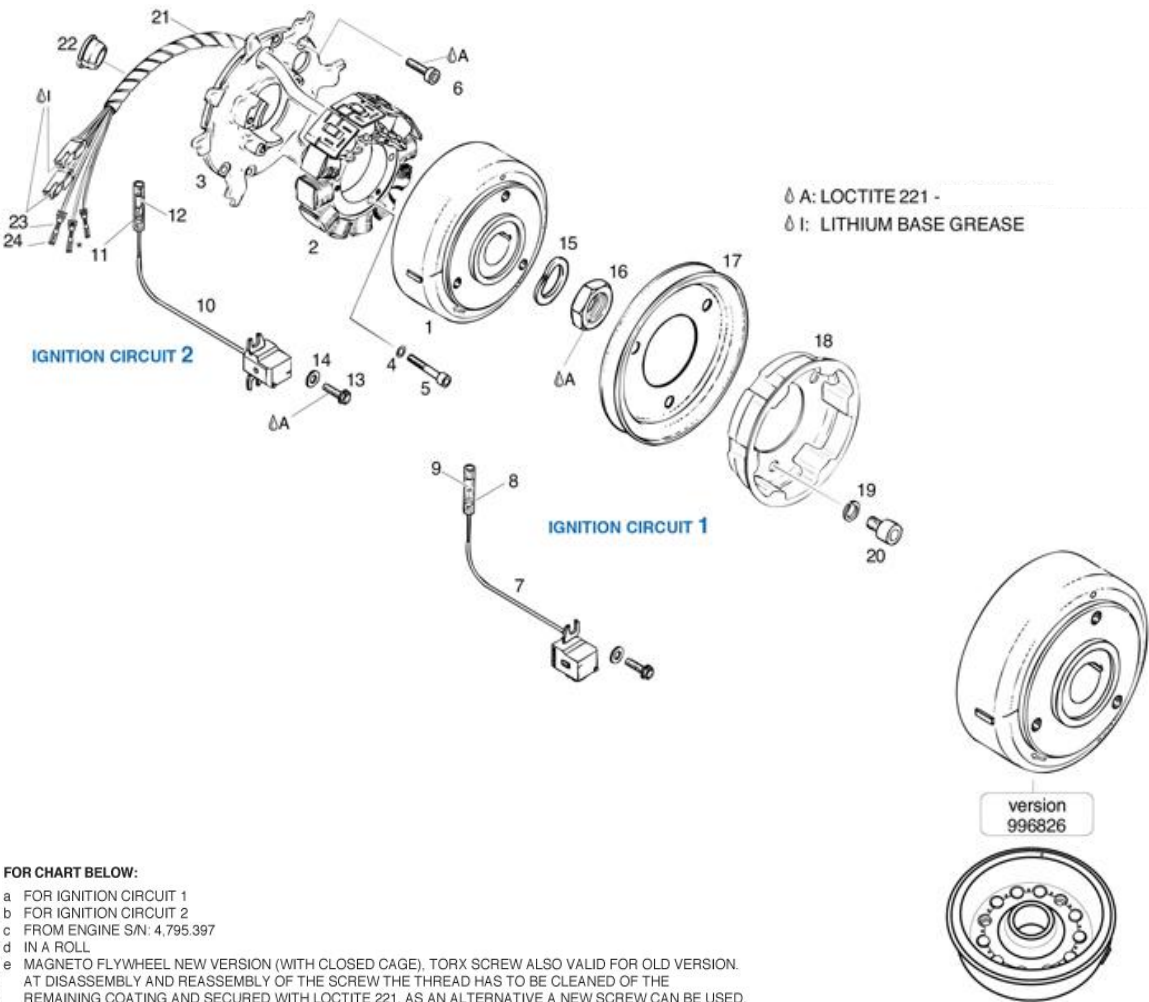
★ROTAX 503 UL ELECTRONIC BOXES AND SUPPORTING PLATE
FOR CONFIGURATION : FREE AIR-COOLED PARTS



No.	Status	Part Number	Description	Qty
1		851-040	MOUNTING PLATE	1
2		244-211	WASHER 6,4 DIN 134	8
3		240-036	HEX. SCREW M6X25 DIN 933	4
4		241-236	ALLEN SCREW M6X16	2
5		827-815	DISTANCE CAP	2
6		960-865	RUBBER WASHER 18/26/3	4
7		944-090	SHIM 6,05	2
8		966-462	ELECTRONIC BOX	1
9		960-550	PROTECTION CAP	4
10-12		965-153	IGNITION CABLE 1,5/7 MM (SEE NOTES)	ARa
13		830-962	PROTECTION HOSE 12X16X40	4
14		866-702	SUPPRESSED SPARK PLUG CONNECTOR	4
15		966-467	ELECTRONIC BOX	1
16		851-100	CABLE CLAMP 18	1
17		897-055	SPARK PLUG 14 MM, NGK BR 8 ES	4
18		842-042	LOCK NUT M6	4
19 / 21		251-920	CLAMP 279X3,6 MM	1
20 / 22		866-710	CLAMP 142X2,5 MM	2
23		964-072	INSULATION SHEATH	2

★ROTAX 503 UL ENGINE DUCATI MAGNETO-GENERATOR 12V 170W

STARTING PULLEY PARTS



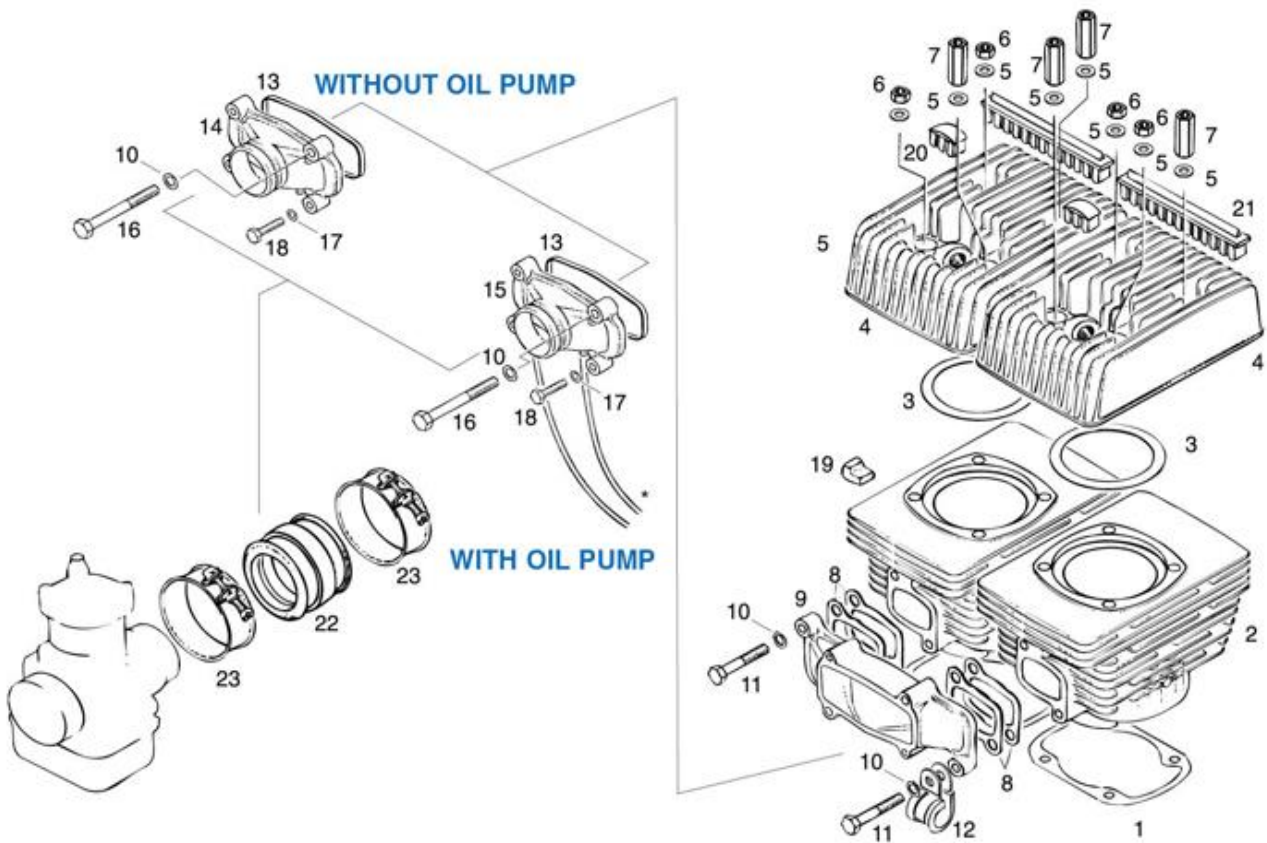
FOR CHART BELOW:

a FOR IGNITION CIRCUIT 1
b FOR IGNITION CIRCUIT 2
c FROM ENGINE S/N: 4.795.397
d IN A ROLL
e MAGNETO FLYWHEEL NEW VERSION (WITH CLOSED CAGE). TORX SCREW ALSO VALID FOR OLD VERSION.
AT DISASSEMBLY AND REASSEMBLY OF THE SCREW THE THREAD HAS TO BE CLEANED OF THE REMAINING COATING AND SECURED WITH LOCTITE 221. AS AN ALTERNATIVE A NEW SCREW CAN BE USED.

No.	Status	Part Number	Description	Qty
1	N	996-826	MAGNETO FLYWHEEL ASSY.	1e
2		996-849	COIL KIT	1
3		966-207	STATOR PLATE	1
5		940-880	ALLEN SCREW M5X30	3
6		641-521	TORX-ZYLINDER HEAD SCREW M5X16	2e
7-9		965-769	PICK UP ASSY.	1a
8 / 11		964-072	INSULATION SHEATH	1
9 / 12		964-067	FASTON CONNECTOR 3,96	1
10-12		965-761	PICKUP ASSY.,	1b
13		941-925	TAPTITE SCREW M5X16	4
14		827-800	WASHER A 5,5 DIN 6902	4
15		945-759	LOCK WASHER 22	1
16	N	842-239	HEX. NUT M22X1,5	1
17		980-486	V-BELT PULLEY	1
18		852-412	STARTING PULLEY	1
19		845-310	LOCK WASHER VHZ 8	3
20		841-520	ALLEN SCREW M8X12	3
21		966-060	SPIRAL HOSE 6,5X8,5X0,6 (SEE NOTES)	ARd
22	N	860-962	CABLE GROMMET 24, 5/11	1c
23		260-130	CABLE GROMMET	
24		265-275	FASTON CONNECTOR	

★ROTAX 503 (CDI) Parts

★ROTAX 503 UL ENGINE CYLINDER,CYLINDER HEAD AND INTAKE MINIFOLD
:1-CARB.CONFIGURATION PARTS

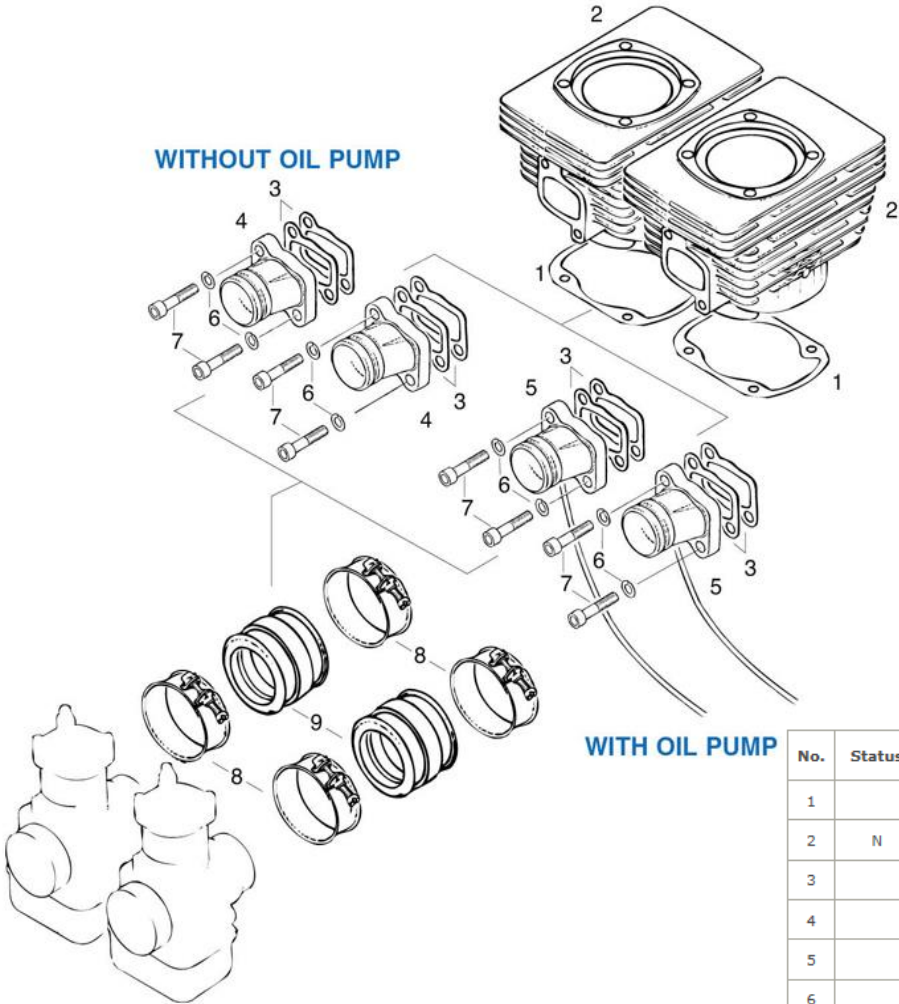


FOR CHART BELOW:
a RED 72,00 MM - 72,01 MM / GREEN 72,01 MM - 72,02 MM
b FOR MIXTURE LUBRICATION
c FOR OIL PUMP VERSION

No.	Status	Part Number	Description	Qty
1		831-855	GASKET 0,4 MM	2
2		923-010	CYLINDER WITH SLEEVE	2a
3		831-881	GASKET	2
4		823-668	CYLINDER HEAD	2
5		250-311	WASHER 8,4 DIN 125	8
6		242-209	HEX. NUT M8 DIN 934	4
7		842-050	DISTANCE NUT M8X37	4
8		831-866	INTAKE GASKET 1,0 MM	4
9		867-450	INTAKE MANIFOLD	1
10		945-752	LOCK WASHER A8	4
11		940-616	HEX. SCREW M8X40	2

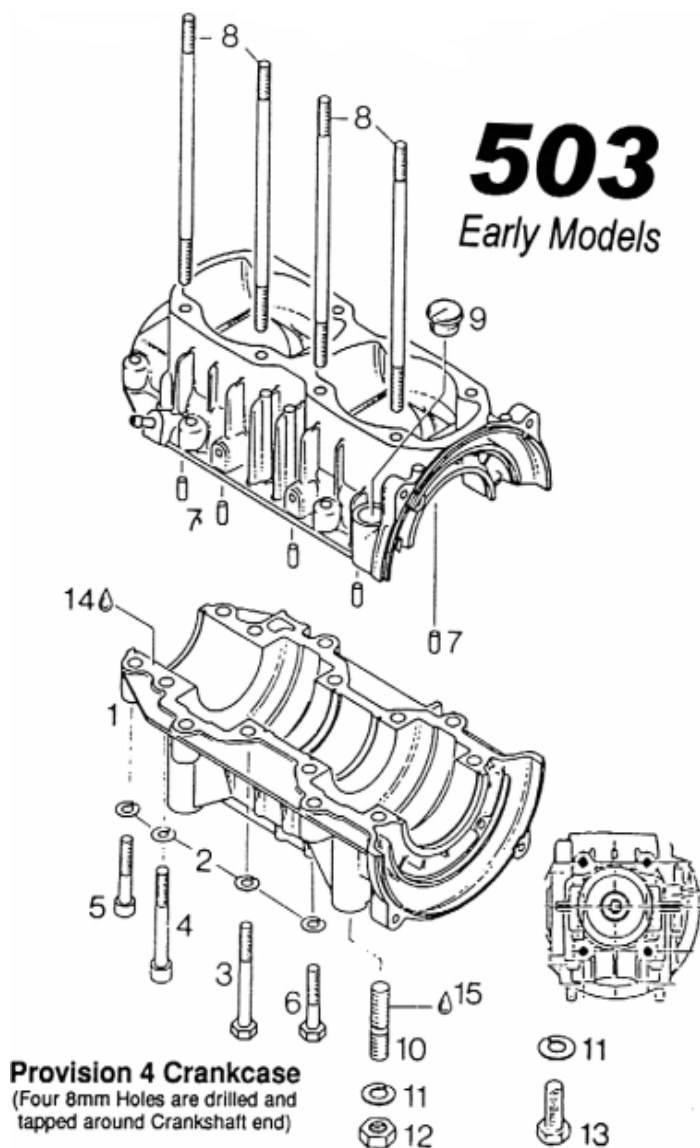
No.	Status	Part Number	Description	Qty
12		851-100	CABLE CLAMP 18	1
13		850-151	RUBBER RING 83X1, 5X3, 5	1
14		867-465	INTAKE COVER	1b
15		867-462	INTAKE COVER	1c
16		841-301	HEX. SCREW M8X65	2
17		945-751	LOCK WASHER A6 DIN 128	2
18		941-501	HEX.SCREW M6X30	2
19		860-060	SUPPORT DAMPER	1
20		860-096	NOISE DAMPER, SHORT	8
21		860-091	NOISE DAMPER, LONG	2
22		867-484	RUBBER SOCKET	1
23		951-510	HOSE CLAMP 52	2

★ROTAX 503 UL ENGINE CYLINDER AND INTAKE SOKET
FOR 2-CARB CONFIG PARTS

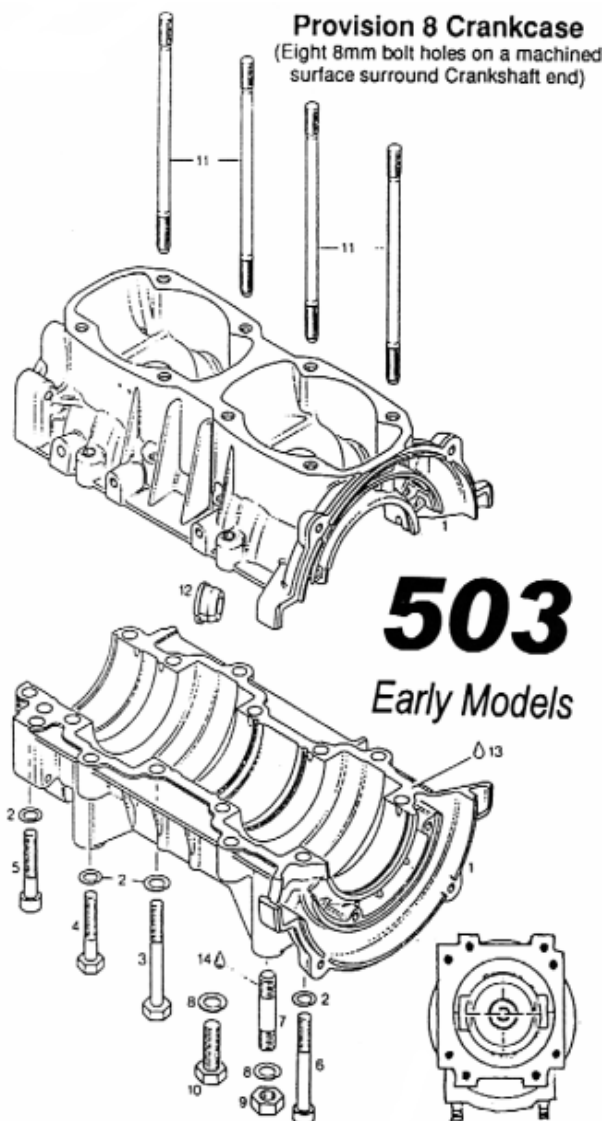


FOR CHART BELOW:
a RED 72,00 MM - 72,00 MM / GREEN 72,00 MM - 72,00 MM
b FOR MIXTURE LUBRICATION.
c FOR OIL PUMP VERSION.

No.	Status	Part Number	Description	Qty
1		831-855	GASKET 0,4 MM	2
2	N	923-010	CYLINDER WITH SLEEVE	2a
3		831-866	INTAKE GASKET 1,0 MM	4
4		867-400	INTAKE SOCKET	2b
5		867-407	INTAKE SOCKET	2c
6		945-752	LOCK WASHER A8	4
7		840-681	ALLEN SCREW M8X40 DIN 912	4
8		951-510	HOSE CLAMP 52	4
9		867-484	RUBBER SOCKET	2



Ref	Part #	Description	Qty.
1	995-756	Crankcase Assembly	1
2	945-752	Lock Washer	14
3	841-201	Screw 8x70	6
4	841-831	Screw 8x75	2
5	841-561	Screw 8x45	2
6	940-631	Screw 8x45	4
7	960-951	Rubber Plug	5
8	840-550	Stud	8
9	960-285	Cable Grommet	1
10	940-190	Stud 10x29	4
11	945-753	Lock Washer 10mm	4
12	242-091	Screw	4
13	940-326	Screw 10x30	4
14	#13011	Loctite 290	
15	#13001	Loctite 242	



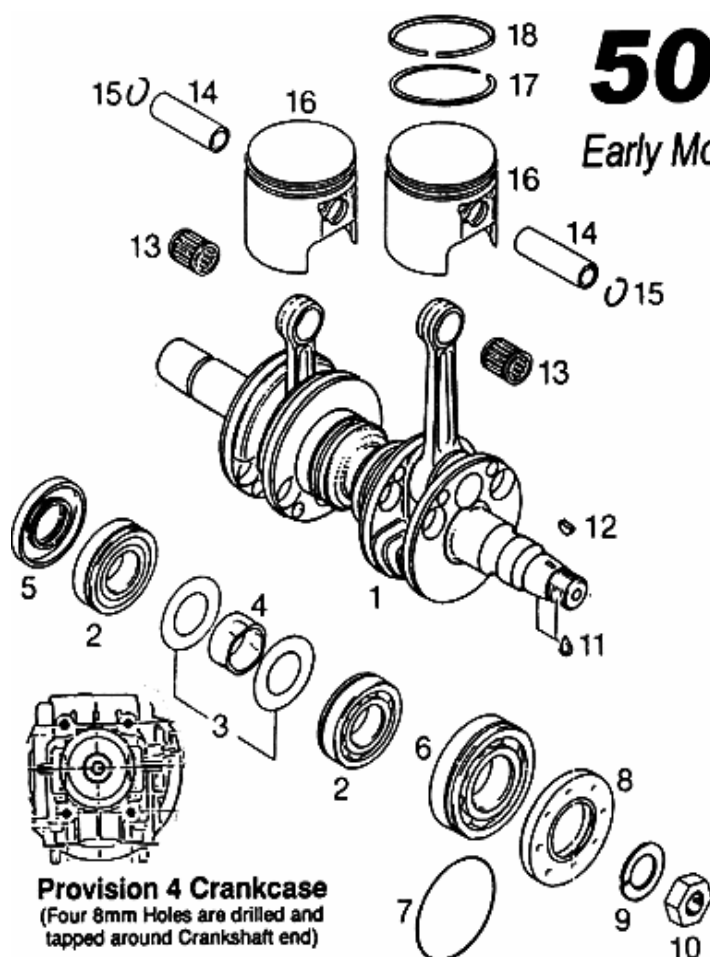
Ref	Part #	Description	Qty.
1-8	996-456	Crank Assembly	1
2	945-752	Lock Washer 8	14
3	841-201	Screw 8x70	6
4	940-631	Screw 8x45	4
5	841-561	Screw 8x45	2
6	841-841	Screw 8x65	2
7	940-190	Stud 10x29	4
6	945-753	Lock Washer 10	4
9	242-091	Nut 10	4
10	940-326	Screw 10x30	4
11	840-555	Stud 8x173	8
12	960-285	Cable Grommet	1
13	#13011	Loctite 290	
14	#13005	Loctite 221 Violet	

503 crankcase

503

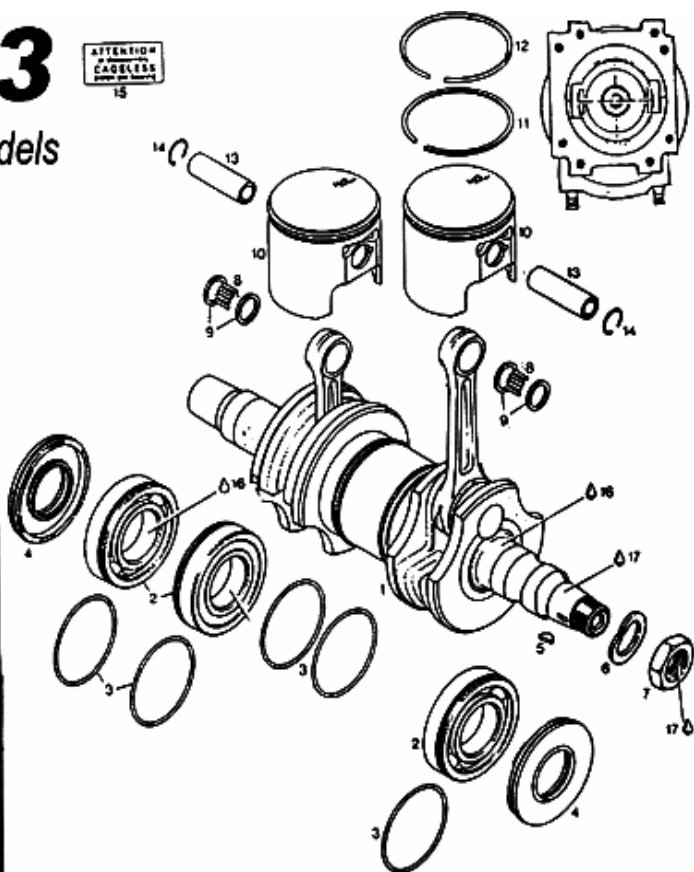
Early Models

ATTENTION
CAGELESS
15



Provision 4 Crankcase
(Four 8mm Holes are drilled and
tapped around Crankshaft end)

Ref	Part #	Description.....	Qty
1	994-562	Crankshaft.....	1
2	832-209	Bearing.....	2
S	827-715	Shim.....	2
4	847-390	Stop Tube.....	1
5	830-747	Seal PTO.....	1
6	832-231	Bearing.....	1
7	830-355	O Ring.....	1
8	831-950	Oil Seal.....	1
9	945-759	Lock Washer.....	1
10	842-230	Nut.....	1
11	#13001	Loctite 242..... As Req.	
12	246-050	Key.....	1
13	832-320	Needle Bearing.....	2
13	#14003	Tool needed to install #13 ...	1
14	916-185	Wrist Pin.....	2
15	945-735	Circlip.....	4
16-18	996-245	Piston Standard.....	2
	996-246	Piston 1st Over.....	2
	996-247	Piston 2nd Over.....	2
17	915-850	Ring-Bottom.....	2
	915-851	Ring -1st Over.....	2
	915-852	Ring - 2nd Over.....	2
18	215-235	Ring -Top.....	2
	215-236	Ring -1st Over.....	2
	215-237	Ring -2nd Over.....	2

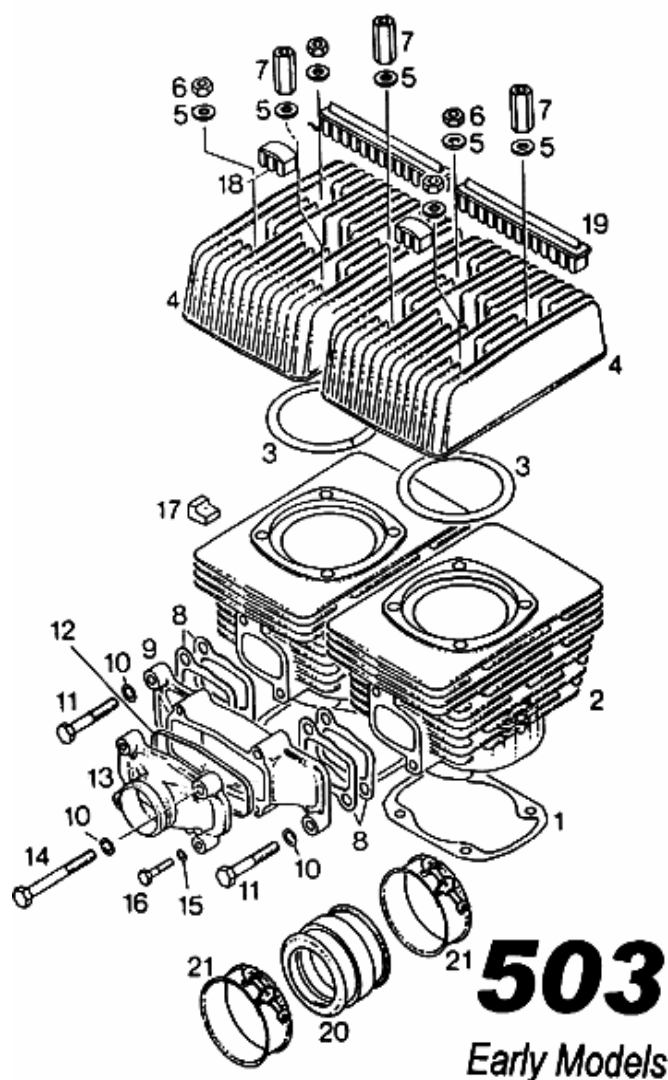


Provision 8 Crankcase
(Eight 8mm bolt holes on a machined
surface surround Crankshaft end)

Ref	Part #	Description.....	Qty
1	996-470	Crankshaft.....	1
2	832-231	Bearing.....	3
3	250-165	O Ring.....	5
4	831-950	Oil Seal.....	2
5	246-050	Key.....	1
6	945-759	Lock Washer.....	1
7	842-230	Nut.....	1
8-9	832-320	Cageless Bearing.....	2
8	#14003	Tool needed to install #8.....	1
9	827-465	Thrust Washer.....	4
10-12	996-245	Piston Standard.....	2
	996-246	Piston 1st Over.....	2
	996-247	Piston 2nd Over.....	2
11	915-850	Ring-Bottom.....	2
11	915-851	Ring-1st Over.....	2
11	915-852	Ring-2nd Over.....	2
12	215-235	Ring- Top.....	2
12	215-236	Ring- 1st Over.....	2
12	215-237	Ring- 2nd Over.....	2
13	916-185	Wrist Pin.....	2
14	945-735	Circlip.....	4
15	897-280	Label-Cageless.....	1

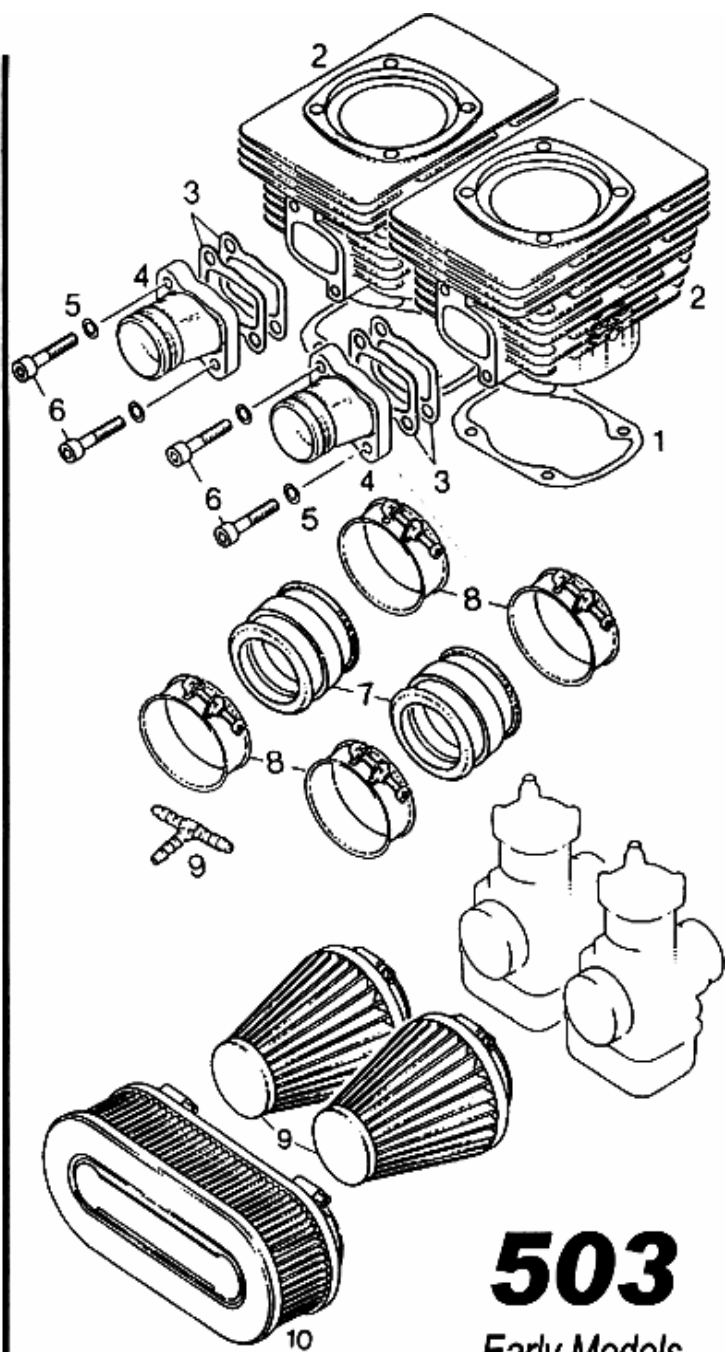
503 pistons

☆ROTAX 503 Parts



503
Early Models

Ref	Part #	Description.....	Qty.
1	831-855	Gasket.....	2
2	823-646	Cylinder w/sleeve	2
3	831-881	Gasket.....	2
4	823-660	Cylinder Head.....	2
5	250-311	Washer.....	8
5	242-200	Nut.....	4
7	842-050	Distance Nut 8x37	4
8	831-865	Gasket.....	4
9	867-450	Manifold.....	1
10	945-752	Lock Washer 8mm	4
11	940-616	Screw 8x40.....	2
12	850-150	Rubber Ring	1
13	867-465	Intake Cover.....	1
14	841-301	Screw 8x65.....	2
15	945-751	Lock Washer	2
16	941-501	Screw 6x30.....	2
17	860-060	Support Damper.....	1
18	860-095	Damper, Short.....	4
19	860-090	Damper Long.....	4
20	867-484	Rubber Socket.....	1
21	951-510	Hose Clamp.....	2
22	See index - K&N Air Filters		
23	See index - K&N Air Filters		



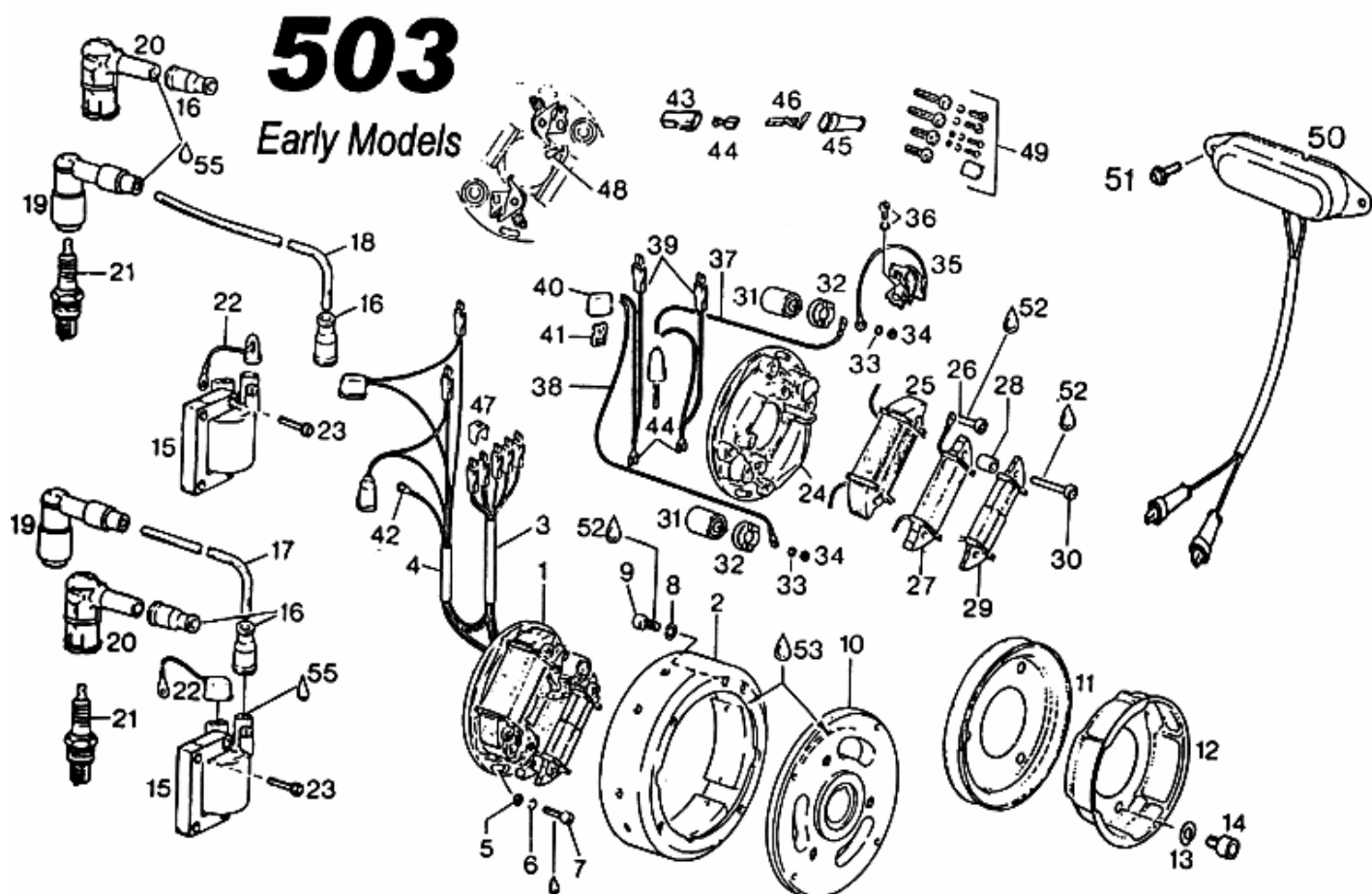
503
Early Models

Ref	Part #	Description	Qty.
1	831-855	Gasket.....	2
2	823-646	Cylinder w/sleeve	2
3	831-865	Gasket.....	4
4	867-400	Manifold.....	2
5	945-752	Lock Washers4	
6	840-681	Screw 8x40	4
7	867-484	Rubber Socket.....	2
8	951-510	Clamp.....	2
9	See index - K&N Air Filters		
10	See index - K&N Air Filters		

503 cylinders

☆ROTAX 503 Parts

Magneto Generator 12V 140Watt, Magneto Housing, Ignition Dampening Box

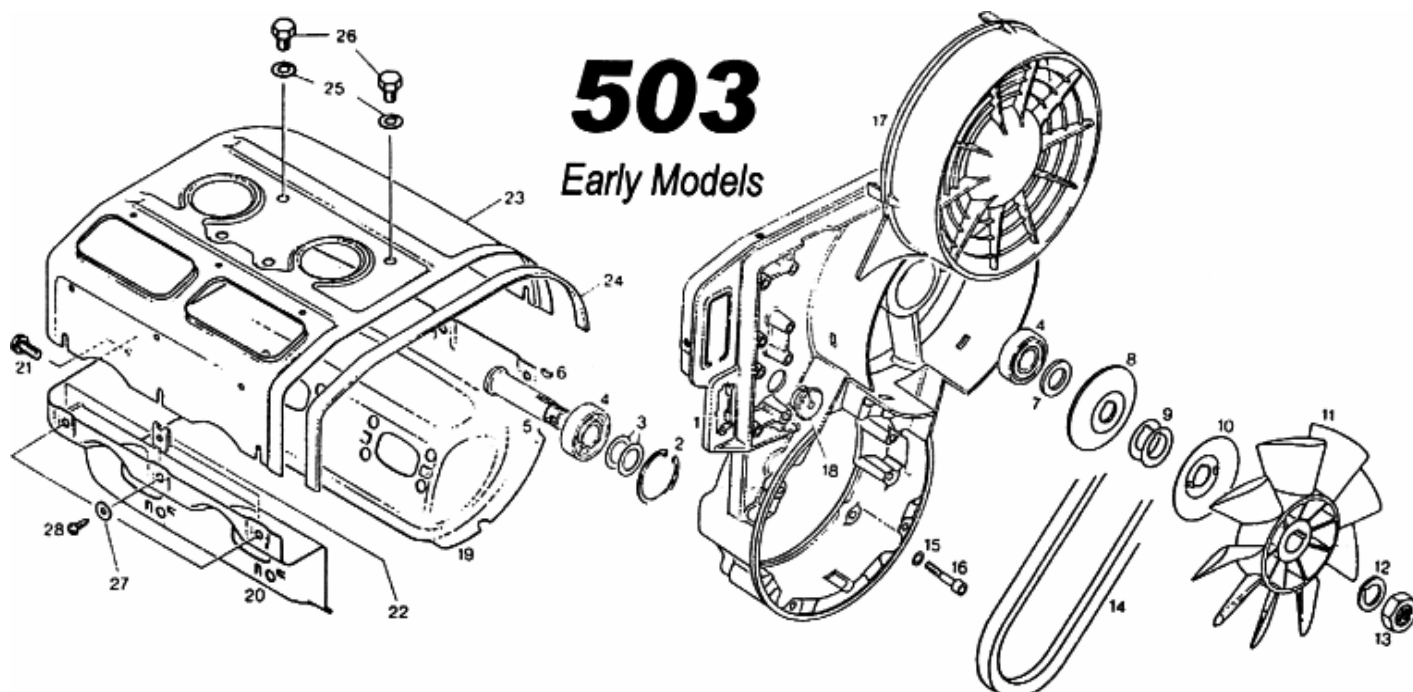


Rotax 503 Bosch Ignition

Ref	Part #	Description	Qty.
1-4	994-807	Magneto Generator	1
1	993-725	Stator Plate Assy	1
2	993-500	Magneto Ring Alone	1
3	960-203	Protection Hose	1
4	260-437	Protection Hose	1
5	827-800	Washer	2
6	945-750	Lock Washer	2
7	840-515	Allen Screw 5x 18	2
8	945-751	Lock Washer	4
9	840-370	Allen Screw	4
10	866-320	Magneto Housing	1
11	980-485	V Belt pulley	1
12	852-320	Starting Pulley	1
13	845-310	Lock Washer	3
14	841-520	Allen screw	3
15	984-555	Ignition coil	2
16	960-550	Protection Cap	2
17	964-010	Protection Cable	1
18	964-015	Ignition Cable 265mm	1
19	866-705	Spark Plug Connector	2
20	983-409	Spark Plug Connector	2
21	B8ES	Spark Plug	2
29	864-271	Mass Cable Assy	2
23	841-550	Taplute screws	7
24	865-980	Stator Plate	1
25	865-812	Lighting Coil 110w	1
26	240-975	Allen Screw 5x28	2
27	865-750	Generator Coil	1

28	847-240	Distance Sleeve	2
29	865-822	Lighting Coil 30w	1
30	241-415	Combined Screw	2
31-34	964-219	Capacitor Set	2
32	860-130	Capacitor Cap	2
33	245-090	Lock Washer	2
34	942-171	Hex Nut	2
35	983-343	Contact Breaker Set	2
36	241-215	Combined Screw 4x 10	2
37	864-970	Generator Cable Assy	1
38	864-769	Generator Cable Assy	1
39	864-611	Shorting Cable Assy	2
40	960-590	Rubber Cap	2
41	864-261	Faston Connector	2
42	964-054	Faston Connector	2
43	960-719	Protection Cap	7
44	964-011	Faston Connector	7
45	960-970	Protection Cap	7
46	866-300	Faston Connector	7
47	265-815	Lubricating Wick	1
48	964-212	Fastening Parts Set	1
49	866-572	Ignition Dampening Box	1
50	841-680	Taplute Screw 5x 8	2
51	260-412	Shrink Tube 30mm	1
52	264-530	Splice Connector	1
53	866-025	Connector Housing	1
54	866-305	Faston Connector	8
55	866-010	Connector Housing	1
55	#13001	Locktite 221	1

503 ignition



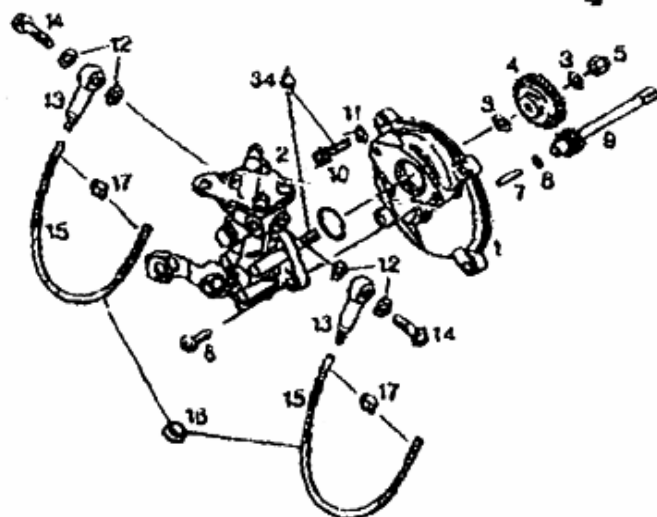
Rotax 503 Fan Housing - Cowlings

Ref	Part #	Description	Qty.
1	911-546	Fan Housing	1
2	945-880	Locking Ring	2
1	244-585	Shim	1
4	832-160	Bearing	2
5	937-940	Fan Shaft	1
5	246-011	Woodruff Key	1
7	827-650	Distance Sleeve	1
8	980-495	Pulley Half	1
9	827-080	Shim	1
10	980-522	Washer w/ hooks	1
11	866-292	Fan	1
12	945-756	Lock Washer	1
13	942-285	Nut	1
14	980-511	Belt	1

15	945-751	Lock Washer	4
16	840-880	Screw 6x30	4
17	975-695	Fan Cover	1
18	960-287	Cable Grommet	1
19	912-835	Cylinder Cowl	1
20	911-067	Cowl, Lower	1
21	240-385	Screw 6x12	1
22	842-390	Spring Nut	8
23	912-826	Cowl, Upper	1
24	960-961	Sealing Strip	1
25	945-752	Lock Washer 8mm	4
26	940-581	Screw 8 x 16	1
27	845-270	Washer	8
28	841-480	Screw 8x16	8

503 fan parts

Rotax 503 Oil Pump



Ref.	Part #	Description	Qty.
1	910 160	Pump Housing Flange	1
2	886 596	Oil Pump Assy	1
3	927 945	Washer	2
4	935 930	Oil Pump Gear 22t	1
5	842 040	Locknut 6mm	3
6	841 970	Plastic Screw	2
7	832 260	Needle Pin	1
8	244 073	Washer	1
9	935 970	Pump Shaft - rewind	1
9	935 972	Pump Shaft - electric	1
10	941 925	Taplite Screw	6
11	945 530	Friction Washer	4
12	227 500	Gasket Ring	4
13	956 010	Check Valve Assy	2
14	241 930	Banjo Bolt	2
15	960 564	Oil Line 335mm	2
15	960 568	Oil Line 300mm	2
16	960 700	Rubber Ring	1
17	853 840	Clamp	1

503 oil pump