



ROTAX®

ILLUSTRATED PARTS CATALOG

FOR ROTAX ENGINE TYPE 915 iS C24

REF NO.: IPC-915 iS C24 | PART NO.: 898894

A BRP BRAND



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Chapter: TOA
TABLE OF AMENDMENTS

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Summary of amendments

Summary of the relevant amendments in this context, but without any claim to completeness.

Rev. no.	Chapter	Page	Date of change	Comment

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INTRO

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GENERAL NOTE

- Modification** The information and components-/system descriptions contained in this Illustrated Parts Catalog are correct at the time of publication.
BRP-Rotax, however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on its products previously manufactured. BRP-Rotax reserves the right at any time to discontinue or change specification, designs, features, models or equipment without incurring obligation.
- Note** This Illustrated Parts Catalog is not an offer to sell parts, but a catalog illustrating the parts available at ROTAX® authorized distributors.
BRP-Rotax reserves the right to deliver the components (crankshaft, crankcase, special tools etc.) only to organizations with respective qualifications, and thus, these special components will not be listed in this IPC.
- Color variations** **Color variations on unpainted castings:**

On unpainted surfaces (i.e. aluminium cases) minor color variations (i.e. grey tone on aluminum surface) are possible due to the manufacturing process. Such possible color variations do not affect the quality of the product and are no reason for rejection - even a color variation on castings in differing areas is acceptable.
- Tightening torque** Generally all the fasteners on a ROTAX® engine are tightened with a torque wrench. The tightening torque must always be done according to the content of the latest Maintenance Manual Heavy for the respective engine type.
- Revision** This Illustrated Parts Catalog (IPC) will be revised as required.

NOTE

Date of issue or number of revision is printed on cover and bottom end of page.

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INTRODUCTION

Explanation

As obvious from the cover, this Illustrated Parts Catalog covers the current non-certified aircraft engines ROTAX® 915 iS C24.

Besides the engine-specific parts, the most popular accessories are listed too.

The ROTAX® engine of the type 915 iSc C24 has been certified in accordance with EASA CS-E.

The ROTAX® engine of the type 915 iS C24 has shown ASTM F2339 compliance.

PARTS ORDER

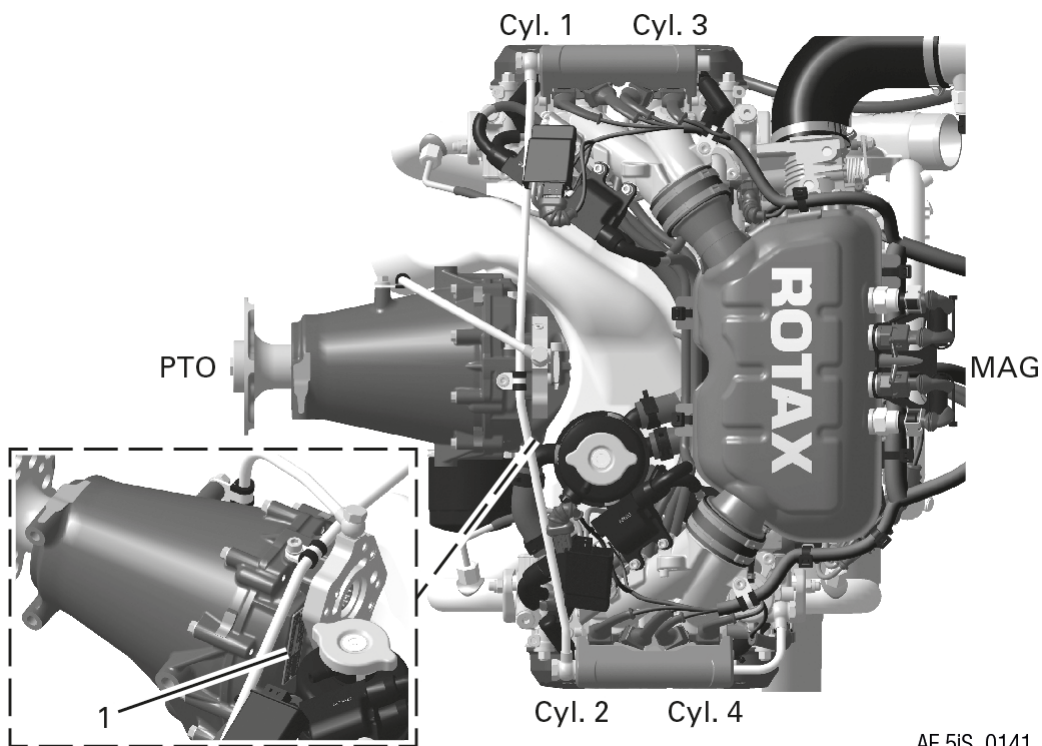
**Engine serial
number**

When making inquiries or ordering parts, always indicate the engine serial number, as the engine manufacturer might make modifications to the engine in the course of product improvement. The engine serial number is on top of the crankcase, behind the propeller gearbox.

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ENGINE VIEW AND DENOMINATION OF THE CYLINDERS

PTO	power take off side
MAG	magneto side
Cyl. 1	Cylinder 1
Cyl. 2	Cylinder 2
Cyl. 3	Cylinder 3
Cyl. 4	Cylinder 4



AE 5iS_0141

Figure 1.1: Engine view, TYPICAL

1 Engine type plate

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REPEATING SYMBOLS

NOTE

Indicates supplementary information which may be needed to fully complete or understand an instruction.

XXX In illustrations this sign indicates the position of the current serial number (e. g. on crankshaft, camshaft, etc.).
In descriptions (in part no. column) this sign indicates that this part is described in an other chapter.



A revision bar outside the page margin indicates a change to text or graphic.

STRUCTURE

Exploded view

Each section starts with an exploded view of the type 915 i on the left side. The corresponding heading and the listing of the parts is on the right side and the following pages. The numbering on the exploded view is in the sequence of assembly as much as practicable.

For prevention of errors and to simplify exchange we tried best to list the part number of each component only once. But for better understanding components are frequently depicted without being listed, but referred to a respective section, if considered necessary.

Engine-column

For each engine type the right amount of spare parts per engine is listed in the relevant engine-column.

If the quantity is in brackets it indicates that the part is not absolutely necessary but optional on the respective engine type.

A small letter added to the number refers to information at the end of the section.

No number in the column parts per assembly indicates that this part is not planned for the respective engine.

Abbreviations

Find the following statements in the columns:

N	newly introduced part
s.v.	still valid, part was replaced by compatible component and can not be supplied any longer by the producer. Superseded parts are still valid and usable unless otherwise specified by a service document.
n.a.	not available
NC	non-certified
AR	as required

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ITEM No.	STATUS	PART No.	INDENT	Description	PARTS PER ENGINE	
					915 iS	915 iSc
1 1	N	910899	.1	FUEL PUMP ASSY NC	1a	1
1	s.v.	910898	.1	FUEL PUMP ASSY	(1)	1
2	n.a.	440042	..2	ALLEN SCREW M8x15	2	AR

Annotations:

- newly introduced (points to N)
- still valid (points to s.v.)
- not available (points to n.a.)
- part hierarchy (points to .1)
- part is non certified (points to NC)
- optional on the respective engine (points to 1a)
- information "a" at end of section (points to a in 1a)
- as required (points to AR)

Figure 1.2

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REPAIR TOOLS

NOTE

All Repair tools are non-certified parts.

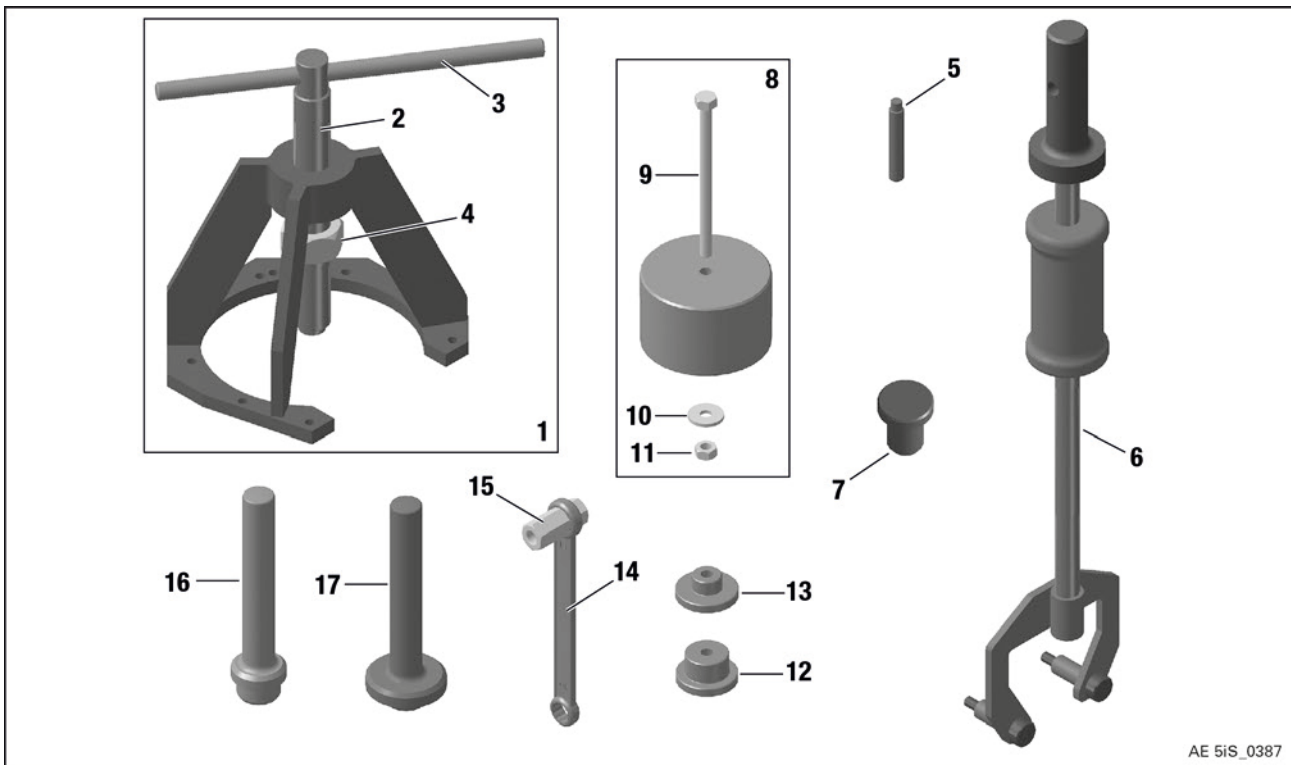


Figure 1.3: Repair tools

ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
1-4	Roller bearing 25x25x15, oil seal 30x52x7	13	Ball bearing 15x32x8 - governor drive
5	Crankshaft locking screw M8x50	14	Ring wrench 10/13
6	Gearbox	15	Fixture for governor drive
7	Crankshaft (magneto side)	16	Ball bearing 15x32x8, needle sleeve - governor drive
8-11	Ball bearing 15x32x8 - oil inlet flange, oil inlet cover	17	Oil seal 22x32x7 - governor drive
12	Needle bearing 22x28x12 - governor drive		

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					Parts per Engine
Item No.	Status	PART NO.	INDENT	DESCRIPTION	915 iS C24 ASTM
1-4		877615	.1	EXTRACTOR ASSY.	1
2		877580	..2	PULL-IN SPINDLE M24x1.5	1
3		276155	..2	BOLT 12x250	1
4		842585	..2	HEX. SCREW M24x1.5	1
5		240880	.1	THREAD BOLT M8x50	1
6		877660	.1	PULLER ASSY.	1
7		877419	.1	PROTECTION MUSHROOM	1
8-11		876489	.1	PULLER ASSY.	1
9		941730	..2	HEX. SCREW M6x80	1
10		827305	..2	WASHER 6.2/18/2	1
11		242214	..2	HEX. NUT M6	1
12		877597	.1	PRESS-IN MUSHROOM	1
13		877595	.1	PRESS-IN MUSHROOM	1
14		876470	.1	RING SPANNER 10/13	1
15		242661	.1	DISTANCE NUT M8x33	1
16		276332	.1	INSERTION JIG ASSY.	1
17		877276	.1	INSERTION JIG ASSY.	1

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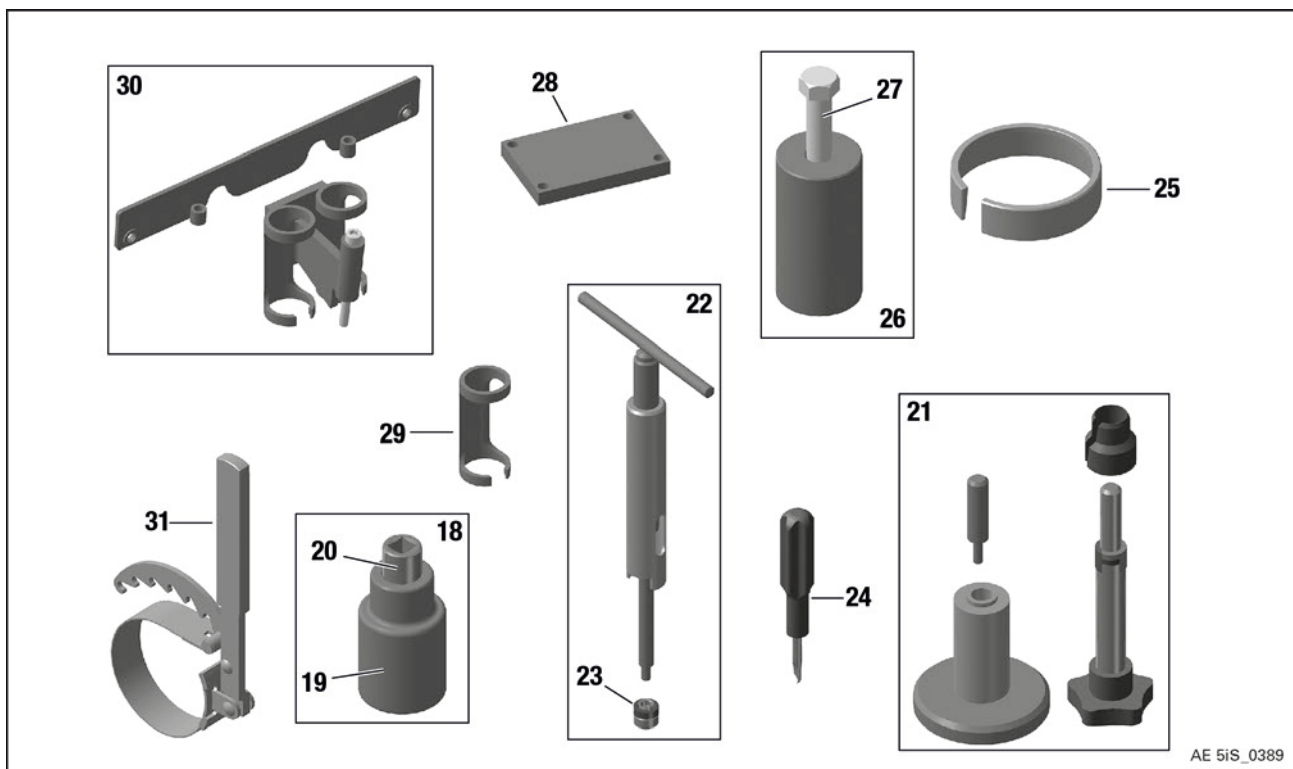


Figure 1.4: Repair tools

ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
18-20	Drive gear, gearbox, gear set	26-27	Puller magneto hub
21	Fitting of piston pin circlips	28	To align cylinders
22-23	Fitting and removal of piston pin	29-30	Installation/Removal of valve spring
24	Monohook clips puller	31	Oil filter removal
25	Piston diameter 84 mm / 33 in.		

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					Parts per Engine
Item No.	Status	PART NO.	INDENT	DESCRIPTION	915 iS C24 ASTM
18-20		877445	.1	SOCKET WRENCH ASSY. 41x12.5	1
19		877440	..2	SOCKET WRENCH A/F 41x20	1
20		877460	..2	REDUCING SOCKET 3/4"-1/2"	1
21		877802	.1	CIRCLIP INSTALLATION TOOL	1
22-23		877091	.1	PISTON PIN EXTRACTOR ASSY.	1
23		877155	..2	EXTRACTING NUT ASSY.	1
24		976380	.1	MONOHOOK CIRCLIP REMOVER	1
25		876967	.1	PISTON RING SPANNER 84 MM (3.31 in.)	1
26-27		877375	.1	PULLER ASSY.	1
27		940755	..2	HEX. SCREW M16x1.5x150	1
28		877263	.1	CYLINDER ALIGNING TOOL	1
29		877380	.1	VALVE SPRING MOUNTING DEVICE	1
30		877387	.1	VALVE SPRING LOADING JIG ASSY.	1
31		877620	.1	OIL FILTER WRENCH	1

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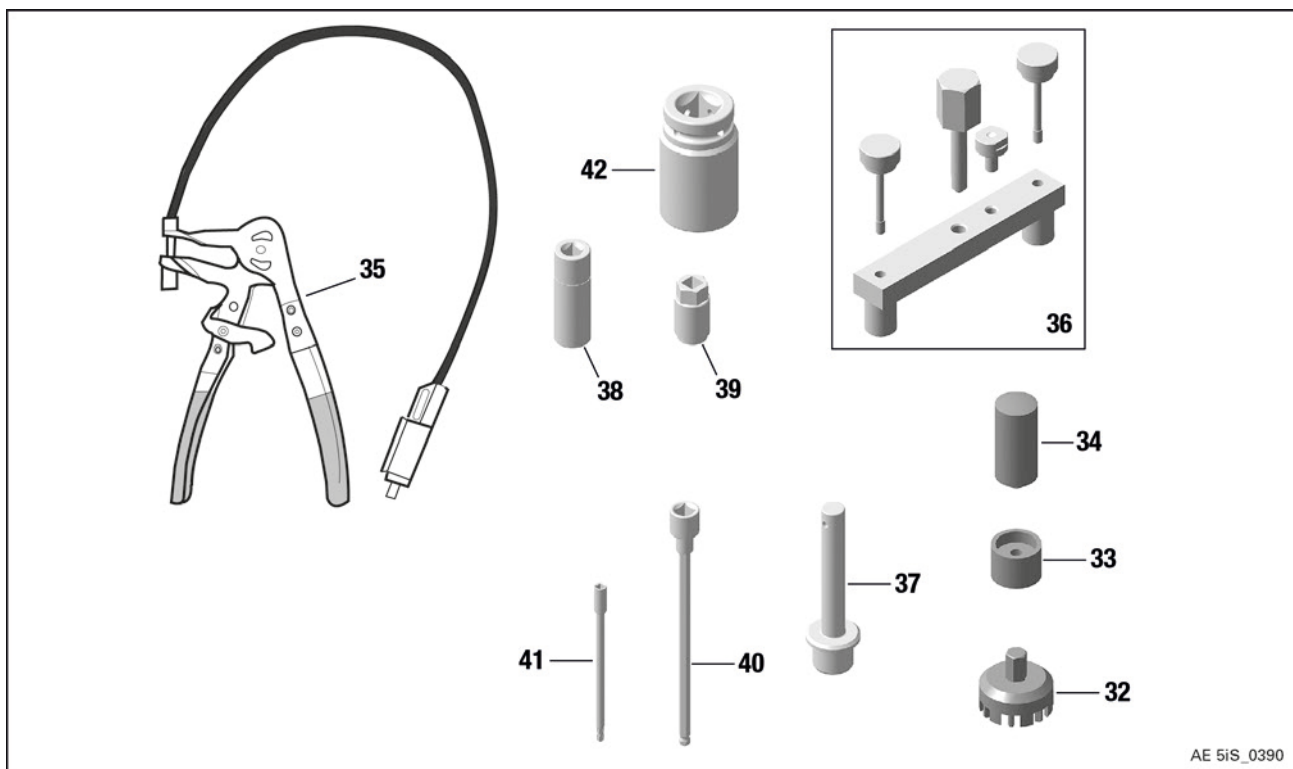


Figure 1.5: Repair tools

ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
32	Water pump impeller	38	Pressure sensor Oil and Airbox
33	Rotary seal ignition housing	39	Temperature sensor Oil and Water
34	Oil seal 12x30x7 water pump shaft	40	Engine mount
35	Spring type hose clip 28	41	Intake manifold
36	Ignition housing	42	Nut for sprag clutch housing
37	Oil seal 28x38x7 ignition housing		

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Item No.	Status	PART NO.	INDENT	DESCRIPTION	Parts per Engine
					915 iS C24 ASTM
32		877295	.1	IMPELLER WRENCH ASSY.	1
33		877258	.1	PRESS ON DEVICE ASSY.	1
34		876510	.1	INSERTION JIG	1
35		877840	.1	SPRING CLAMP PLIERS	1
36		876010	.1	PULLER ASSY.	1
37		876020	.1	INSERTION JIG.	1
38		876075	.1	SOCKET WRENCH 21x12.5	1
39		876130	.1	SOCKET WRENCH 19x12.5	1
40		876240	.1	SOCKET DRIVER HEX. 8 BALL HEAD	1
41		876180	.1	SOCKET DRIVER T30 BALL HEAD	1
42		876070	.1	SOCKET WRENCH 38x20	1

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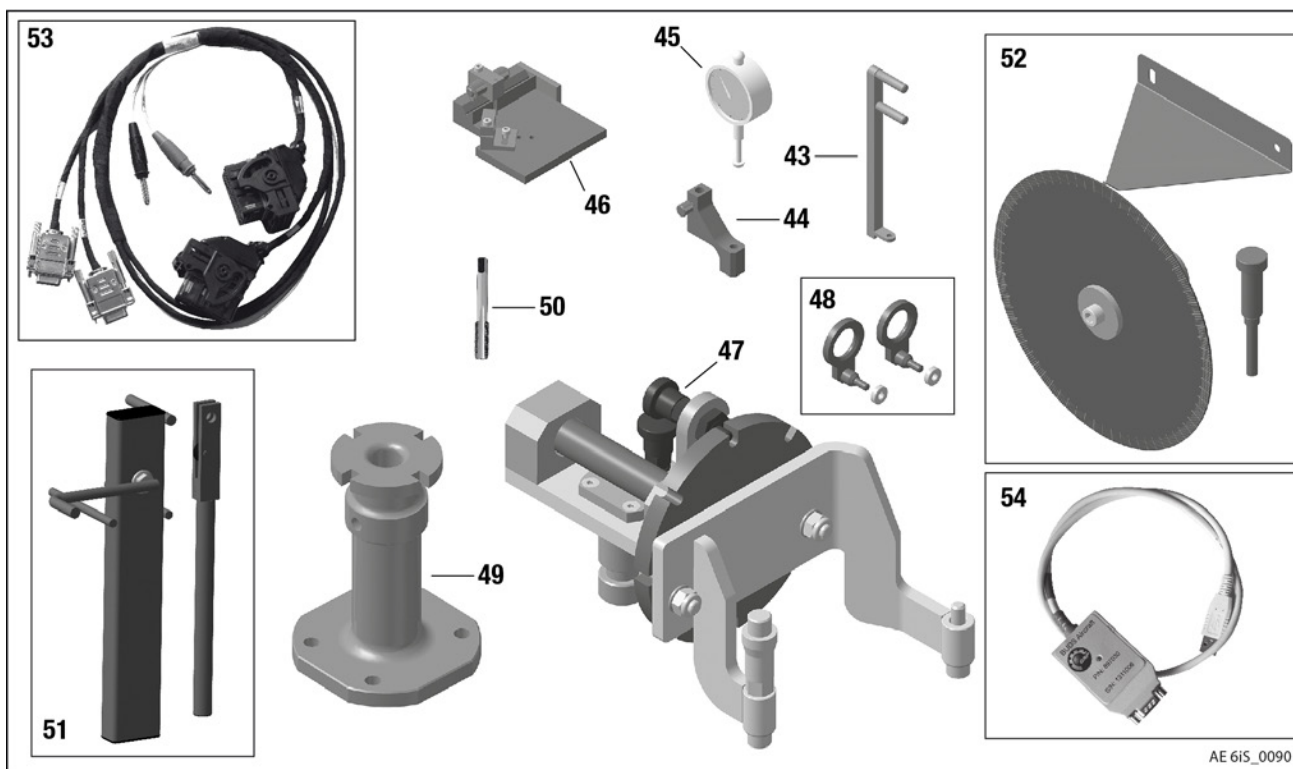


Figure 1.6: Repair tools

ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
43	Crankcase	49	Trestle support
44-45	Dial gauge	50	Thread bent socket
46	Dial gauge adapter for valve seat inspect	51	Oil filter
47	Crankcase	52	Twist of crankshaft
48	Engine removal	53	ECU (Engine Control Unit)
54	Flashing tool		

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Item No.	Status	PART NO.	INDENT	DESCRIPTION	Parts per Engine
					915 iS C24 ASTM
43		877690	.1	CHECK LEVER	1
44		877710	.1	DIAL GAUGE ADAPTER ASSY.	1
45		876950	.1	PRECISION DIAL GAUGE	1
46		976140	.1	DIAL GAUGE ADAPTER ASSY.	1
47		876050	.1	TRESTLE ADAPTER ASSY.	1
48		876040	.1	ENGINE LIFT SET ASSY.	1
49		877930	.1	TRESTLE SUPPORT	1
50		877570	.1	TAPPING DRILL M18x1	1
51	N s.v.	276275 877670	.1	CUTTING TOOL	1
52		877520	.1	PROTRACTOR CRANKSHAFT DISTORTION INSP.	1
53		864280	.1	SERVICE WIRING HARNESS ASSY.	1
54		864021	.1	B.U.D.S. SET LEVEL 1 for pilots/users	1
54		864022	.1	B.U.D.S. SET LEVEL 2 for maintenance personnel	1
54		864023	.1	B.U.D.S. SET LEVEL 3 for distributors/OEM	1

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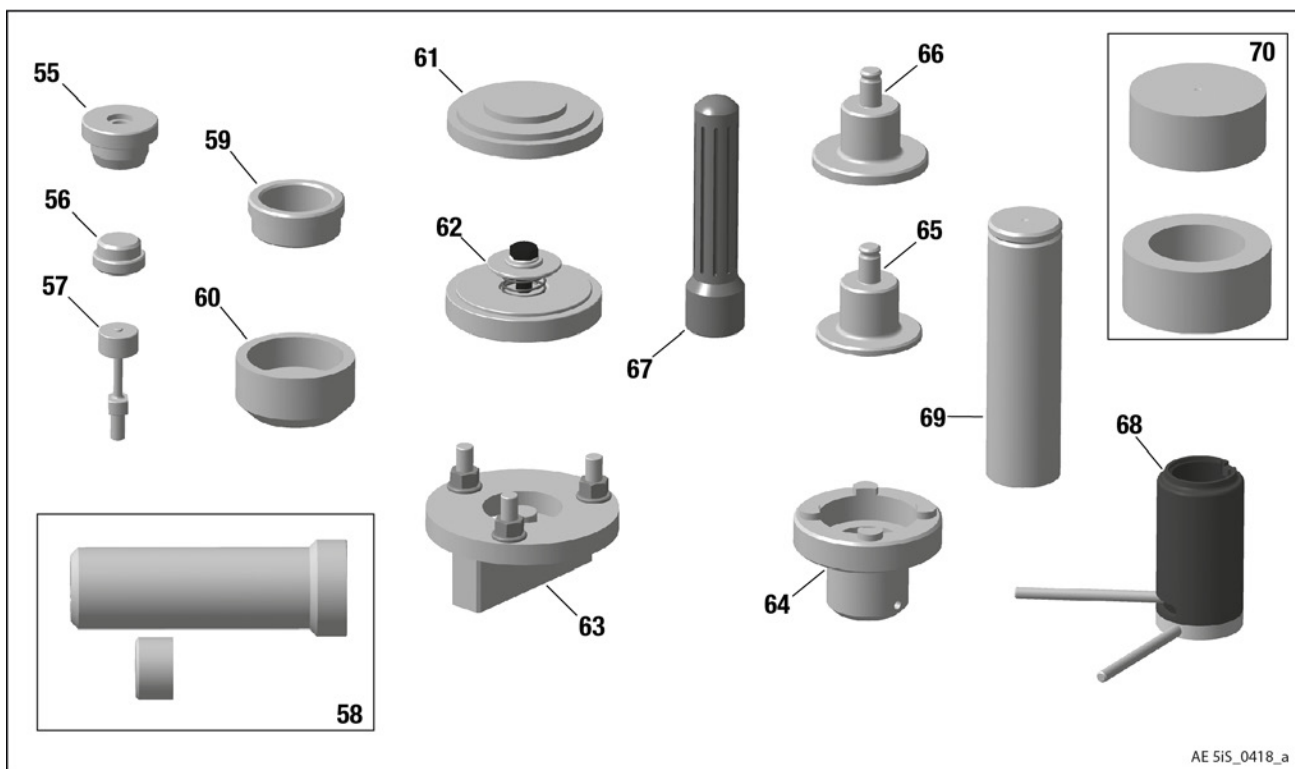


Figure 1.7: Repair tools

ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
55	Needle bearing, crankcase	63	Propeller shaft bracket / mounting flange
56	Propeller shaft removal	64	Installation of overload clutch with damper clutch
57	Needle bearing removal	65	Sealing ring, gearbox
58	Hex. nut on propeller shaft	66	Ball bearing, gearbox
59	Damper clutch	67	Stamp
60	Damper clutch	68	Retaining ring, propeller shaft
61	Damper clutch	69	Ball bearing, propeller shaft
62	Damper clutch	70	Overload clutch

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Item No.	Status	PART NO.	INDENT	DESCRIPTION	Parts per Engine
					915 iS C24 ASTM
55		276000	.1	PRESS IN JIG	1
56		276002	.1	PRESS OUT MUSHROOM	1
57		276004	.1	PULL STUD	1
58		276006	.1	SOCKET WRENCH AF 46	1
59		276950	.1	CENTERING RING	1
60		276952	.1	INSERTION JIG	1
61		276954	.1	CENTERING PLATE	1
62		276956	.1	CENTERING PLATE	1
63		276958	.1	SUPPORT PLATE	1
64		276962	.1	TWIST TOOL	1
65		276964	.1	INSERTION JIG	1
66		276966	.1	INSERTION JIG	1
67		877650	.1	HANDLE FOR INSERTION JIG	1
68		276968	.1	RETAINING RING TOOL	1
69		276972	.1	INSERTION SLEEVE	1
70		276974	.1	INSERTION JIG	1

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LUBRICANTS

NOTE

All lubricants are non-certified.

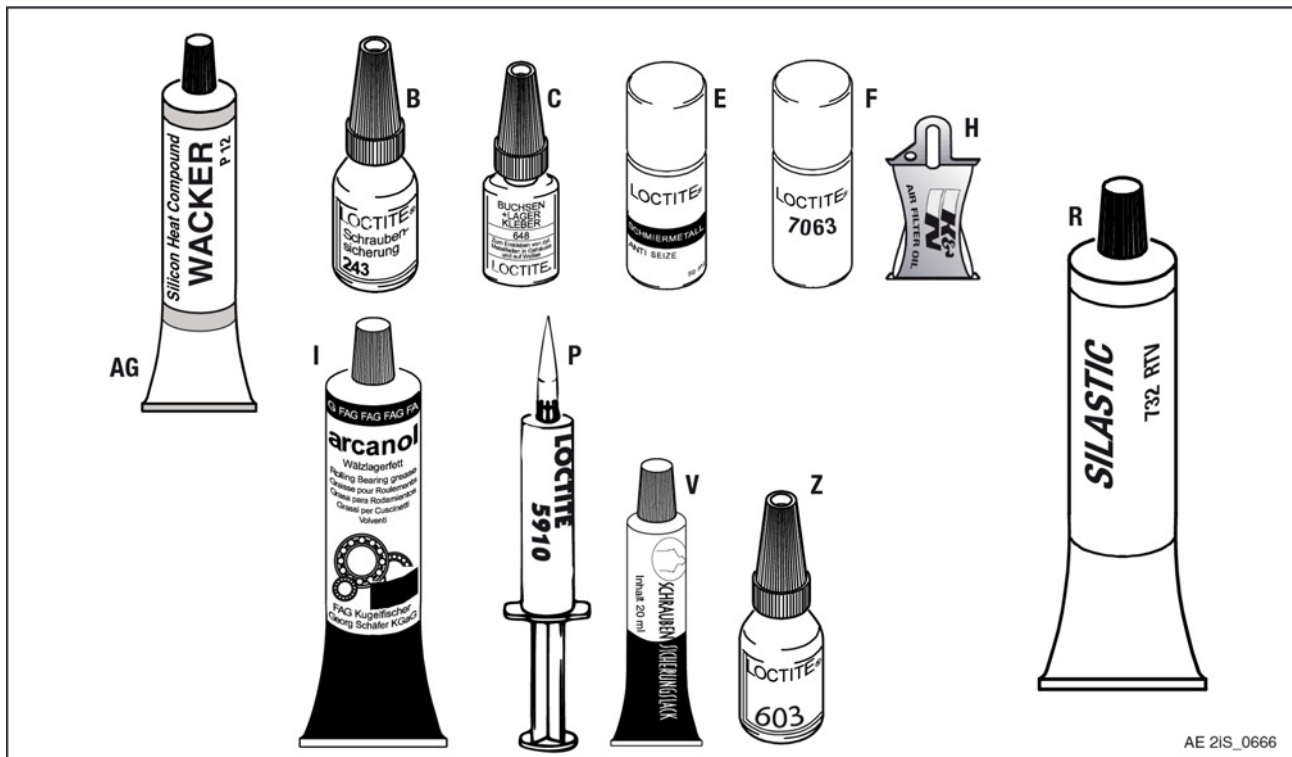


Figure 1.8: Lubricants

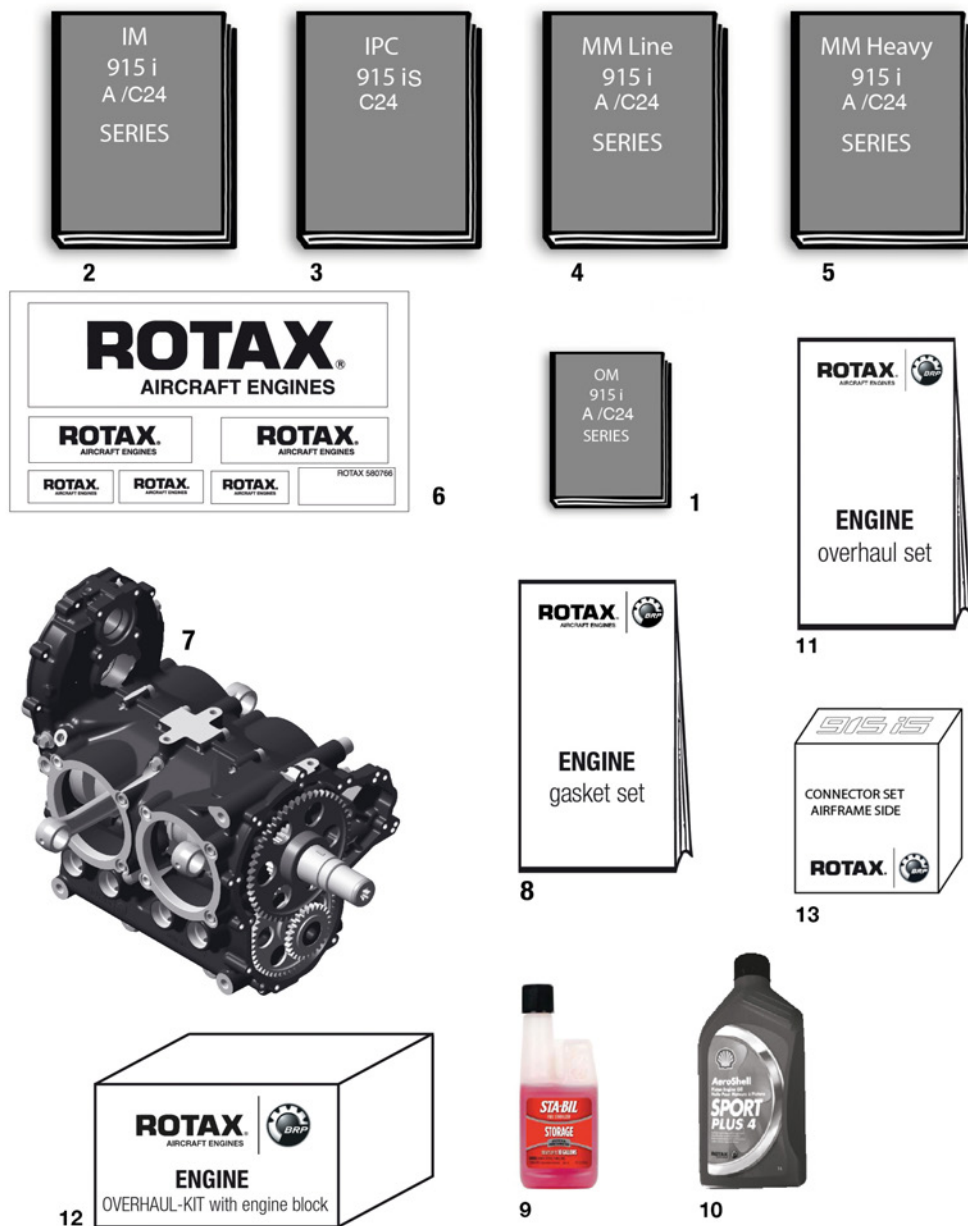
ITEM NO.	APPLICATION	ITEM NO.	APPLICATION
AG	For better heat transfer from the spark plugs	I	Roller bearing grease, for smooth running
B	Medium strength bond 10 cc.	P	Regular body/high adhesion flexible flange sealant
C	High strength bond 5 ml.	R	For vibration damping
E	To prevent metal galling 50 cc.	V	For marking
F	Cleaner	Z	High strength bond 10 cc.
H	Blister 14.8 ml.		

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					Parts per Engine
Item No.	Status	PART NO.	INDENT	DESCRIPTION	915 iS C24 ASTM
AG		897186	.1	SILICONE HEAT COMPOUND WACKER P12, 150 GR.	1
B		897651	.1	LOCTITE 243 BLUE, 10 cc.	1
C		899788	.1	LOCTITE 648 GREEN, 5 ML. (cc).	1
E	N s.v.	297438 297434	.1	LOCTITE ANTI SEIZE 8151 400 cc. LOCTITE ANTI SEIZE 50 cc.	1
F		xxx	.1	LOCTITE 7063	1
H		897870	.1	K&N FILTER OIL 99-11312	1
I		897330	.1	LITHIUM-BASED GREASE, 250 GR.	1
O		xxx	.1	ENGINE OIL	1
P		899791	.1	LOCTITE 5910, 50 ML.	1
R		297386	.1	SILASTIC 232 RTV	1
V		898570	.1	LOCKING PAINT	1
Z		899789	.1	LOCTITE 603	1

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DOCUMENTATION, LABELS, GASKET SETS



AE_5iS_0262_b

Figure 1.9

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Item No.	Status	PART NO.	INDENT	DESCRIPTION	Parts per Engine
					915 iS C24 ASTM
1		898851	.1	OPERATORS MANUAL	1
2		898871	.1	INSTALLATION MANUAL	1
3		898894	.1	ILLUSTRATED PARTS CATALOG	1
4		898863	.1	MAINTENANCE MANUAL LINE	1
5		898861	.1	MAINTENANCE MANUAL HEAVY	1
6		580683	.1	ROTAX STICKER KIT AIRCRAFT NC	
6		580691	.1	ROTAX STICKER KIT AIRCRAFT NC	1
7		xxx	.1	ENGINE BLOCK See chap. 72-20-00	1
8		686245	.1	GASKET SET	1
9		897346	.1	FUEL STABILIZER 118 cc	AR
10		297997	.1	AEROSHELL SPORT PLUS 4 GEN 2 1000 ml / 0.26 gal. bottle	AR
11		XXXXXX	.1	OVERHAUL SET See OVERHAUL MANUAL	1
12		XXXXXX	.1	OVERHAUL SET WITH ENGINE BLOCK See OVERHAUL MANUAL	1
13		XXXXXX	.1	CONNECTOR SET AIRFRAME SIDE See chap. 76-50-00.	1

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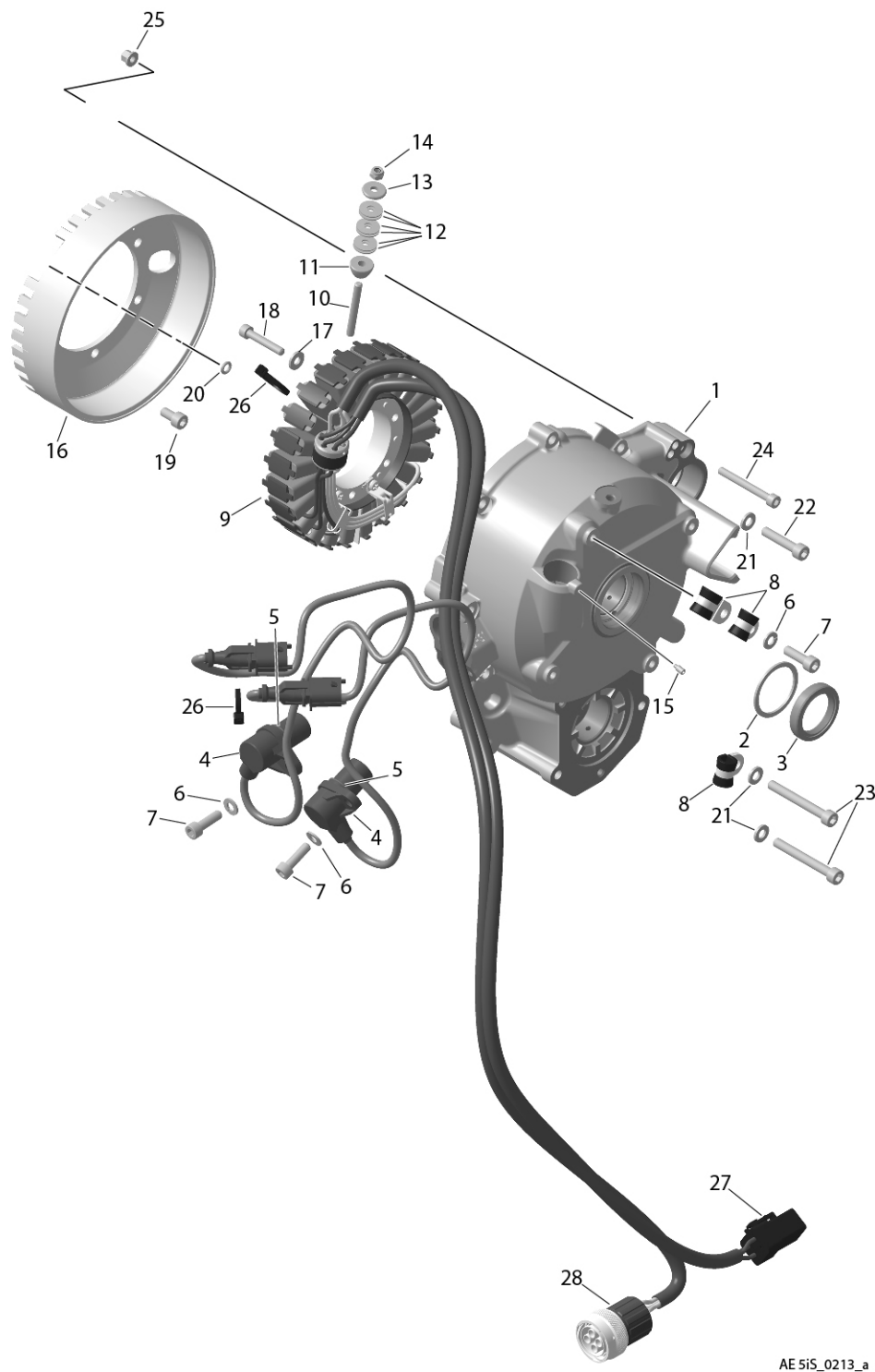
Chapter: 24-20-00
IGNITION HOUSING, STATOR, RECTIFIER REGULATOR, CRANKSHAFT
POSITION SENSOR ASSY.

TOPICS IN THIS CHAPTER

IGNITION HOUSING, STATOR, CRANKSHAFT POSITION SENSOR	2
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BRP-Rotax
ILLUSTRATED PARTS CATALOG

IGNITION HOUSING, STATOR, CRANKSHAFT POSITION SENSOR



AE 5iS_0213_a

Figure 2.1: 24-20-00

24-20-00

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Effectivity: 915 iS C24
Edition 0/Rev. 0

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1	N s.v.	912416 912248	.1	IGNITION HOUSING ASSY.	1a 1
2		827220	.1	WASHER 32/38/1.5	1
3		230429	.1	OIL SEAL GPRE 28x38x7 FKM	1
4-5		966572	.1	CRANKSHAFT POSITION SENSOR	2
5		431580	..2	O-RING 17.17x1.78 FPM 70	2
6		945831	.1	LOCK WASHER A6	3
7		241935	.1	ALLEN SCREW M6x20	2
8		853412	.1	CABLE CLAMP	3
9		685067	.1	STATOR ASSY.	1
10		840792	.1	STUD M5x44	1
11		947510	.1	DISTANCE SLEEVE	1
12		938080	.1	DISK SPRING 15x5.2x0.7	6
13		827240	.1	WASHER 5.1/15.5/2.5	1
14		842033	.1	LOCK NUT M5	1
15		840820	.1	ADJUSTMENT SCREW M4x8	1
16		685072	.1	MAGNETO FLYWHEEL ASSY.	1
17		827801	.1	WASHER A 5.5	6
18		940882	.1	ALLEN SCREW M5x30	6
19		840036	.1	ALLEN SCREW M6x12	6
20		xxx	.1	O-RING 5x2 see chap. 72-20-00	1
21		827962	.1	WASHER 6.4	7
22		840880	.1	ALLEN SCREW M6x30	5
23		241761	.1	ALLEN SCREW M6x50	2
24		941791	.1	ALLEN SCREW M5x45	2
25		942311	.1	HEX. NUT M5	2
26		866714	.1	TIE WRAP 142x3.2 mm	2
27		xxx	.1	CONNECTOR SET BLACK see chap. 76-10-00	1
28		xxx	.1	CONNECTOR SET AMPHENOL see chap. 76-10-00	1

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ILLUSTRATED PARTS CATALOG

- a holes for e-starter mounting 7° turned, corresponding crankcase see Overhaul Manual

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ILLUSTRATED PARTS CATALOG

Chapter: 61-20-00
ARRANGEMENT FOR CONSTANT SPEED AND FIXED PITCH
PROPELLER

TOPICS IN THIS CHAPTER

ARRANGEMENT FOR CONSTANT SPEED AND FIXED PITCH PROPELLER	2
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ILLUSTRATED PARTS CATALOG

ARRANGEMENT FOR CONSTANT SPEED AND FIXED PITCH PROPELLER

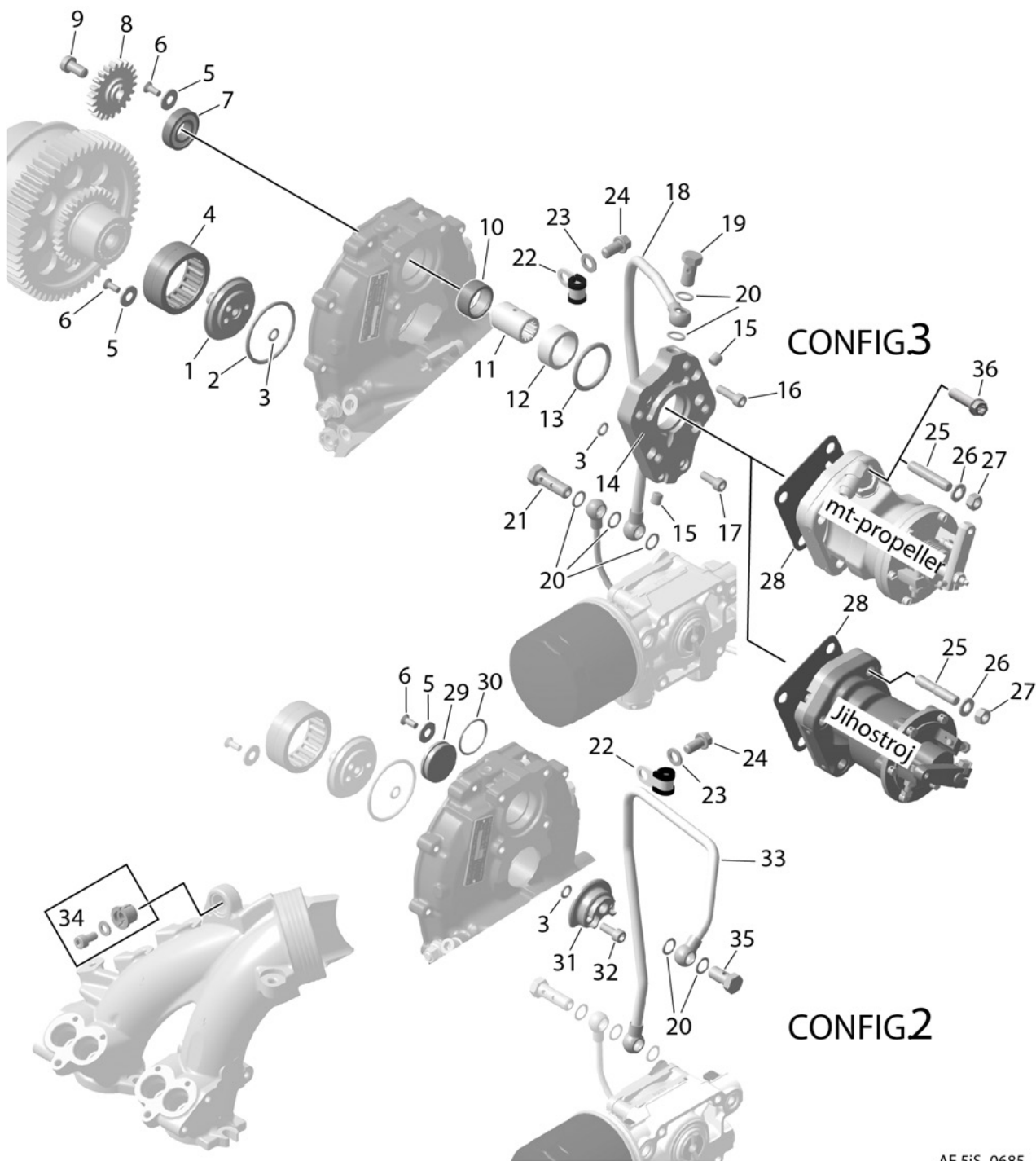


Figure 3.1: 61-20-00

AE 5iS_0685

61-20-00

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Effectivity: 915 iS C24
Edition 0/Rev. 0

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		810310	.1	OIL INLET FLANGE	1
2		430175	.1	O-RING 46x3-N, FPM 75	1
3		830415	.1	O-RING 7x2-N, FPM 75	2
4		832952	.1	NEEDLE BEARING RNA 49/32	1
5		227280	.1	THRUST WASHER	2
6		940316	.1	COUNTERSUNK SCREW M5x12	2
7		832363	.1	BALL BEARING 16002. 15-32-8	1
8		834245	.1	VACUUM PUMP GEAR 22 T	1
9		941521	.1	ALLEN SCREW M8x16	1
10		232925	.1	NEEDLE SLEEVE 22x28x12	1
11		847773	.1	DRIVE SLEEVE	1
12		847802	.1	SPACER 25/31.95/13	1
13		950380	.1	O-RING 32x4-N FPM 75	1
14		810070	.1	GOVERNOR FLANGE	1
15		941611	.1	PLUG SCREW M8x1	2
16		241935	.1	ALLEN SCREW M6x20	4
17		241237	.1	ALLEN SCREW M6x16	2
18		956460	.1	PRESSURE OIL LINE ASSY:	1
19		940876	.1	BANJO BOLT M10x1x23	1
20		230150	.1	SEALING RING A 10x14	5
21		940877	.1	BANJO BOLT M10x1x34	1
22		853418	.1	CABLE CLAMP	1
23		944131	.1	LOCK WASHER A8	1
24		440854	.1	HEX./TORX-FLANGE SCREW M8X16	1
25		840711	.1	STUD M8X21/20 NC	4
26		945832	.1	LOCK WASHER A8 NC	4
27		942671	.1	HEX NUT M8 NC	4

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
28		931372	.1	GASKET NC	1
29		944222	.1	BLINDING SHIM	1a
30		4300061	.1	O-RING 26.7x1.8	1a
31		810321	.1	OIL INLET FLANGE ADAPTER	1
32		241237	.1	ALLEN SCREW M6x16	2a
33		956465	.1	GEARBOX OIL LINE	1a
34		xxx	.1	GOVERNOR CABLE KIT see chap. 73-10-00 NC	1
35		241073	.1	BANJO BOLT M10x1x19	1
36		440867	.1	HEX./TORX. FLANGE SCREW M8x35-SW10/T40	4

a Configuration 2

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ILLUSTRATED PARTS CATALOG

Chapter: 71-20-00
ENGINE SUSPENSION FRAME

TOPICS IN THIS CHAPTER

ENGINE SUSPENSION FRAME	2
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ILLUSTRATED PARTS CATALOG

ENGINE SUSPENSION FRAME

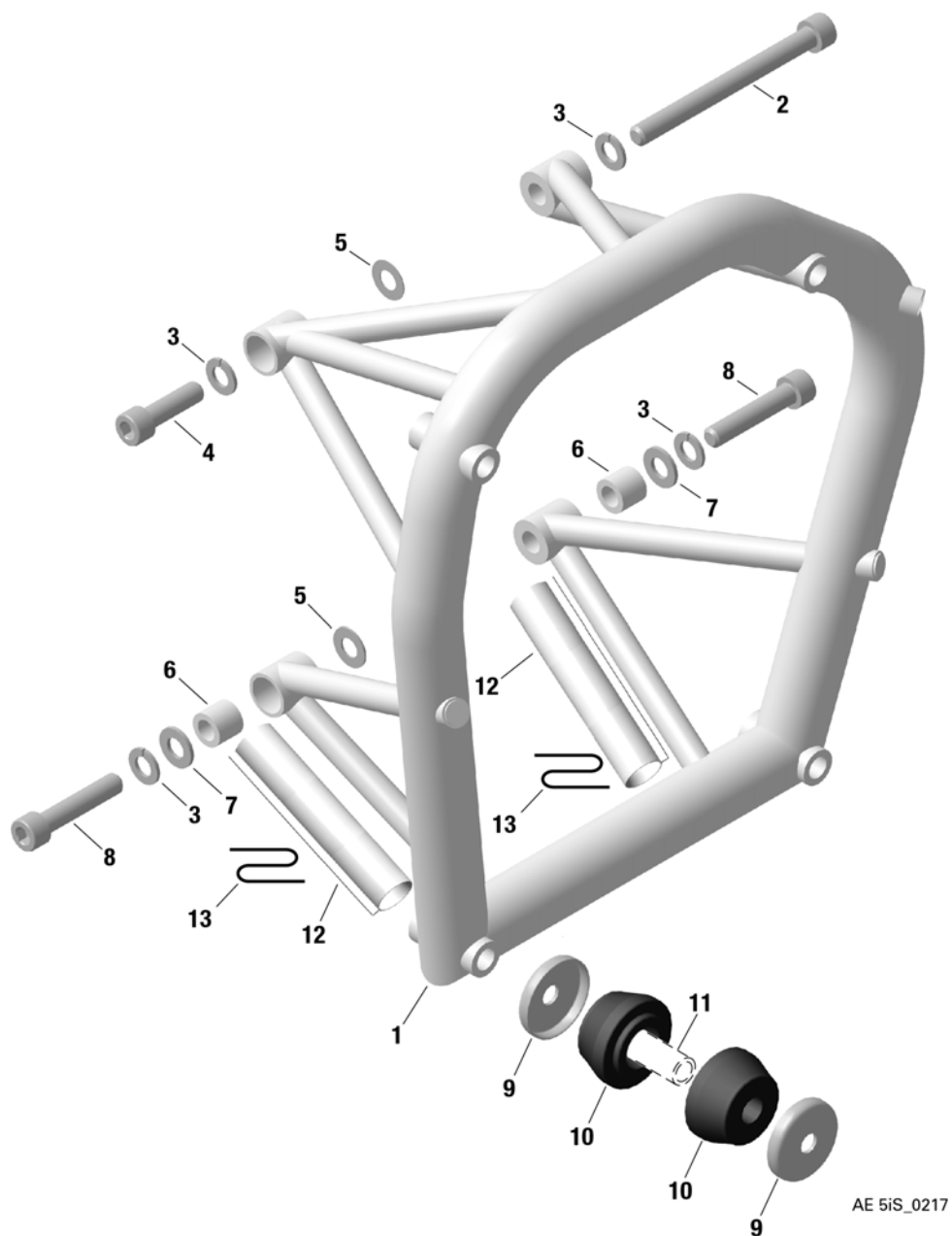


Figure 4.1: 71-20-00

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		886563	.1	ENGINE SUSPENSION FRAME ASSY.	1
2		941487	.1	ALLEN SCREW M10x110	1
3		945753	.1	LOCK WASHER A10	4
4		840948	.1	ALLEN SCREW M10x35	1
5		927952	.1	THRUST WASHER 10.1/20/0.5	AR
5		927953	.1	THRUST WASHER 10.1/20/1.0	AR
6		847841	.1	SPACER 10.5/17/15	2
7		927410	.1	WASHER 10.5	2
8		640572	.1	ALLEN SCREW M10x50	2
9-10		860695	.1	SHOCK MOUNT SET NC	1
9		944240	..2	CUP WASHER NC	8
10		860690	..2	SHOCK-MOUNT NC	8
11	n.a.		.1	STRUT not available at BRP-Rotax NC	4
12		860650	.1	PROTECTION TUBE 110 MM	ARa
13		297555	.1	SAFETY WIRE	AR

a in a roll

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ILLUSTRATED PARTS CATALOG

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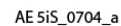
BRP-Rotax
ILLUSTRATED PARTS CATALOG

Chapter: 72-10-00
PROPELLER GEAR ASSY., OVERLOAD CLUTCH

TOPICS IN THIS CHAPTER

PROPELLER GEAR ASSY.....	2
OVERLOAD CLUTCH, DAMPER CLUTCH.....	4

PROPELLER GEAR ASSY.



72-10-00

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ILLUSTRATED PARTS CATALOG

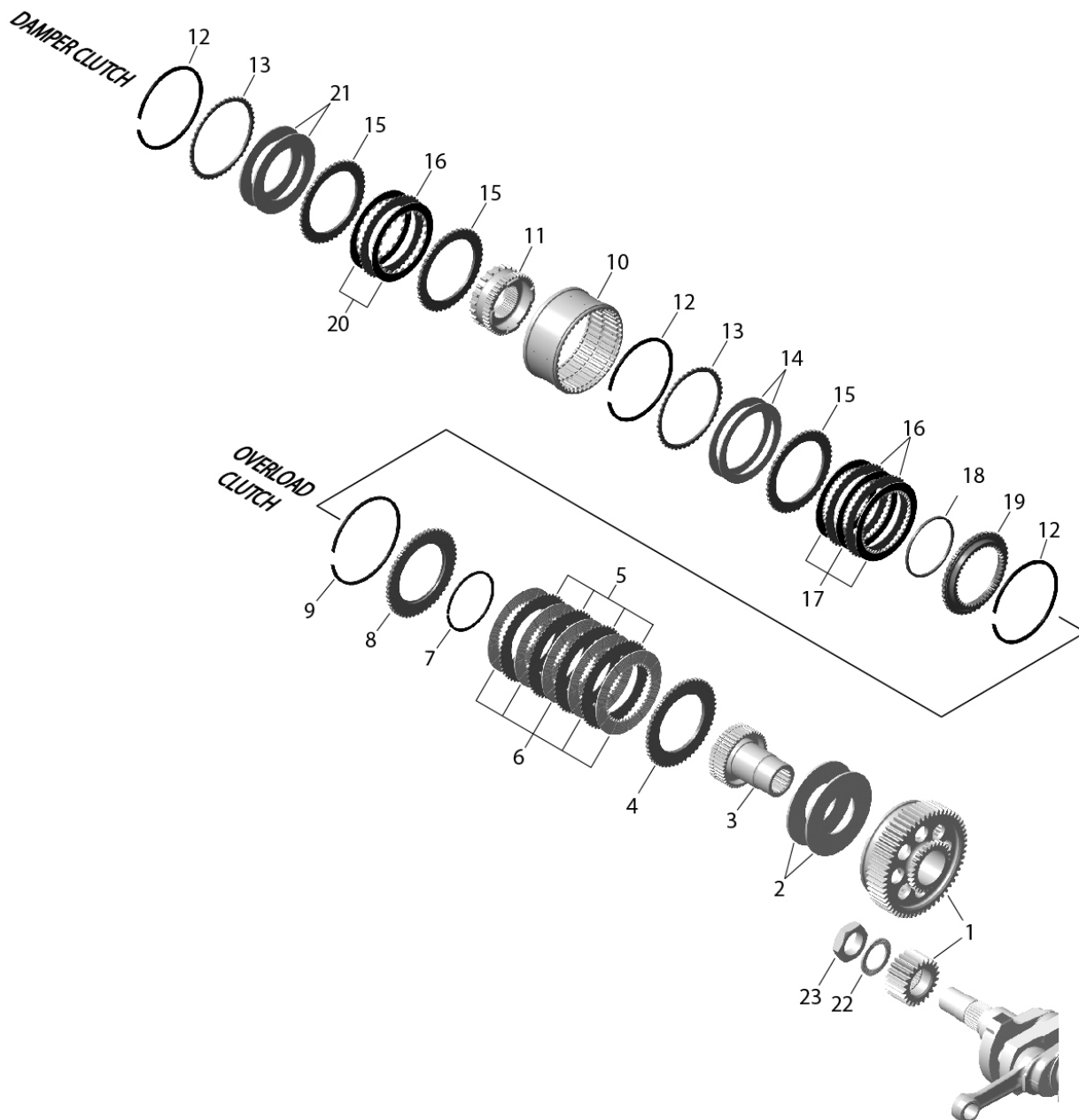
Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-15		686790	.1	PROPELLER GEAR ASSY. CONFIG. 3	1b
1		911988	..2	GEARBOX HOUSING ASSY.	1
2		950091	..2	OIL SEAL AS 48x72x8 FKM	1
3		832062	..2	BALL BEARING 6208 TN9 C3	1
4		845120	..2	RETAINING RING 80x2.85	1
5		837225	..2	PROPELLER SHAFT	1
6		942320	..2	COLLAR NUT M40x1.5 LH	1
7		245935	..2	RETAINING RING A 38	1
8		958419	..2	DAMPER CLUTCH ASSY.	1
9		958414	..2	OVERLOAD CLUTCH ASSY. 56 T	1
10		837203	..2	TORSION SHAFT	1
11		230915	..2	O-RING 33x3-N, FPM 75	1
12		827472	..2	SEALING WASHER 40x12.1x2.5	1a
13		945880	..2	RETAINING RING 40x1.75	1
14		250646	..2	SEALING RING A12x18	1
15		841153	..2	HEX. SCREW M12x20	1a
15		841155	..2	HEX. SCREW M12x20 A2-70	1b
16		845431	.1	FRICTION WASHER VS30	1
17		842579	.1	HEX. NUT M30x1.5 12 MM, LH	1
18		xxx	.1	NEEDLE BEARING RNA 49/32 see chap. 61-20-00	1
19		xxx	.1	THRUST WASHER 22/27.5/2.3 see chap. 61-20-00	1
20		xxx	.1	COUNTERSUNK SCREW M5x12 see chap. 61-20-00	1

a Configuration 2

b Configuration 3

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ILLUSTRATED PARTS CATALOG

OVERLOAD CLUTCH, DAMPER CLUTCH



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Figure 5.2

72-10-00

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-9		958413	.1	OVERLOAD CLUTCH ASSY.	1
1	N s.v.	886081 886547	..2	GEAR SET	1
2		938092	..2	DISK SPRING 102x49x2.8	2
3		837233	..2	INTERMEDIATE SHAFT	1
4		958400	..2	STEEL FRICTION PLATE 4.0 MM	1
5		958160	..2	STEEL FRICTION PLATE 1.0 MM	4
6		958176	..2	SINTER FRICTION PLATE 1.8 MM	5
7		945080	..2	CIRCLIP SW 68	1
8		958402	..2	STEEL FRICTION PLATE 4.0 MM	1
9		945075	..2	CIRCLIP SB 105	1
10-21		958419	.1	DAMPER CLUTCH ASSY.	1
10		958043	..2	CLUTCH DRUM ASSY.	1
11		958023	..2	CLUTCH HUB	1
12		945070	..2	CIRCLIP SB 93	3
13		927021	..2	SUPPORT RING	2
14		938098	..2	DISK SPRING 91.5X71X1.5	2
15		959420	..2	STEEL FRICTION PLATE 3.0 MM	3
16		958932	..2	STEEL FRICTION PLATE 1.0 MM	8
17		958993	..2	FRICTION PLATE 1.54 MM	3
18		847895	..2	SPACER RING 69/64.1/3.0	1
19		958103	..2	DRIVING COLLAR	1
20		958994	..2	FRICTION PLATE 1.54 MM	2
21		938099	..2	DISK SPRING 91.5X60X2.1	2
22		845431	..2	FRICTION WASHER VS30	1
23		842579	..2	HEX. NUT M30x1.5 12 MM, LH	1

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ILLUSTRATED PARTS CATALOG

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ILLUSTRATED PARTS CATALOG

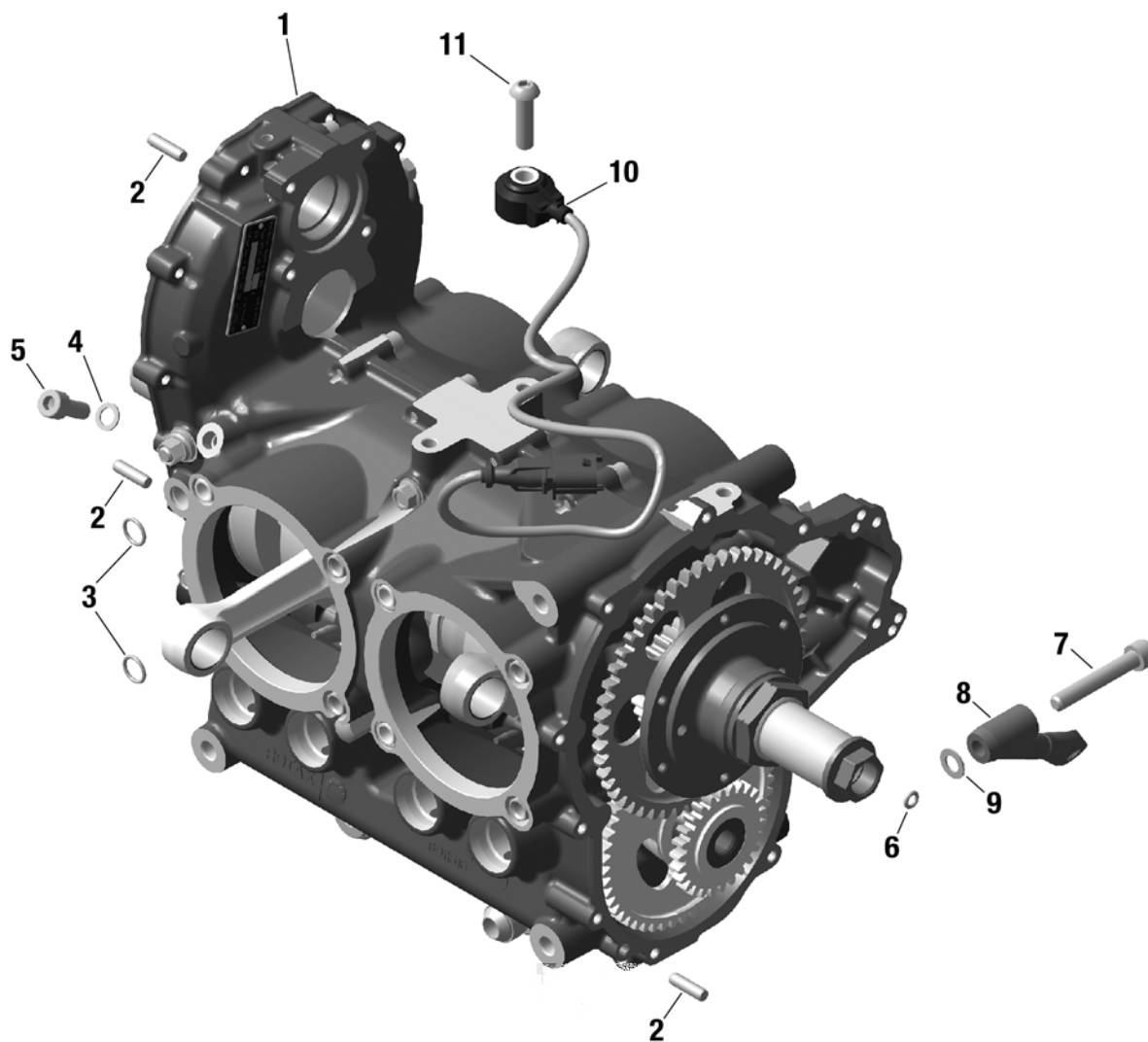
Chapter: 72-20-00
CRANKCASE, CRANKSHAFT, PISTON, CYLINDER, SPRAG CLUTCH,
CAMSHAFT, VALVE TRAIN, CYLINDER HEAD, VALVE COVER

TOPICS IN THIS CHAPTER

CRANKCASE	2
CRANKSHAFT, PISTON, CYLINDER, SPRAG CLUTCH	4
CAMSHAFT, VALVE TRAIN, CYLINDER HEAD, VALVE COVER	6

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ILLUSTRATED PARTS CATALOG

CRANKCASE



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Figure 6.1: 72-20-00

72-20-00

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Effectivity: 915 iS C24
Edition 0/Rev. 0

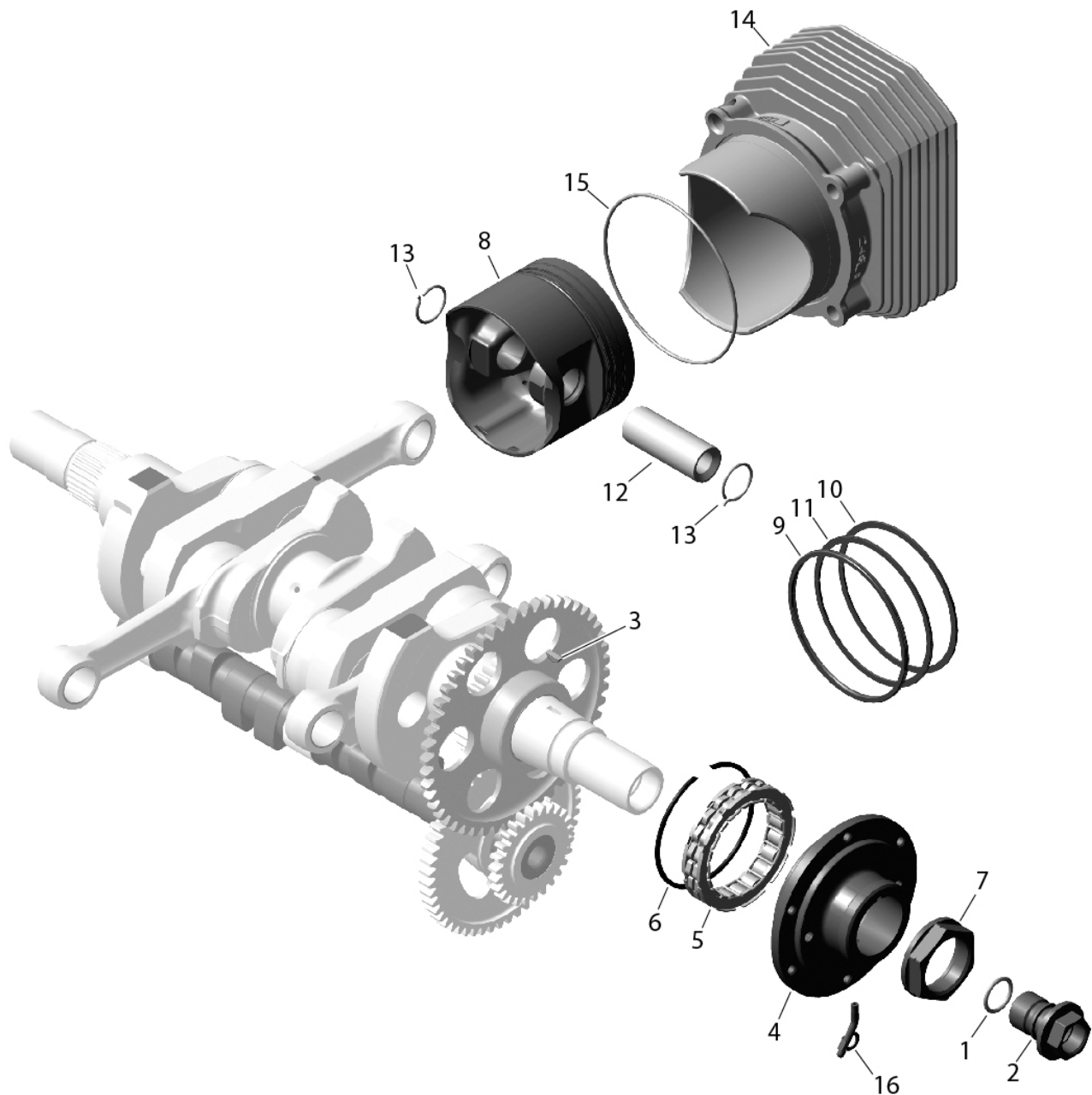
BRP-Rotax
ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
1		300091501	.1	ENGINE BLOCK	1a
2		429230	.1	DOWEL 6x20	2
3		431570	.1	O-RING 10.82Xx1.78-N, FPM 70	8
4		950141	.1	SEALING RING A 8x13	1
5		240072	.1	ALLEN SCREW M8x20	1
6		831929	.1	O-RING 5x2	1
7		440107	.1	ALLEN SCREW M8x50	1
8		xxx	.1	MANIFOLD BRACKET ASSY. see chap. 78-10-00	1
9		xxx	.1	WASHER 8.4/15.1 see chap. 78-10-00	1
10		866270	.1	KNOCK SENSOR	1
11		570661	.1	BINDING HEAD SCREW M8x30	1

a with crankshaft, freewheel

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ILLUSTRATED PARTS CATALOG

CRANKSHAFT, PISTON, CYLINDER, SPRAG CLUTCH



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Figure 6.2: 72-20-00

72-20-00

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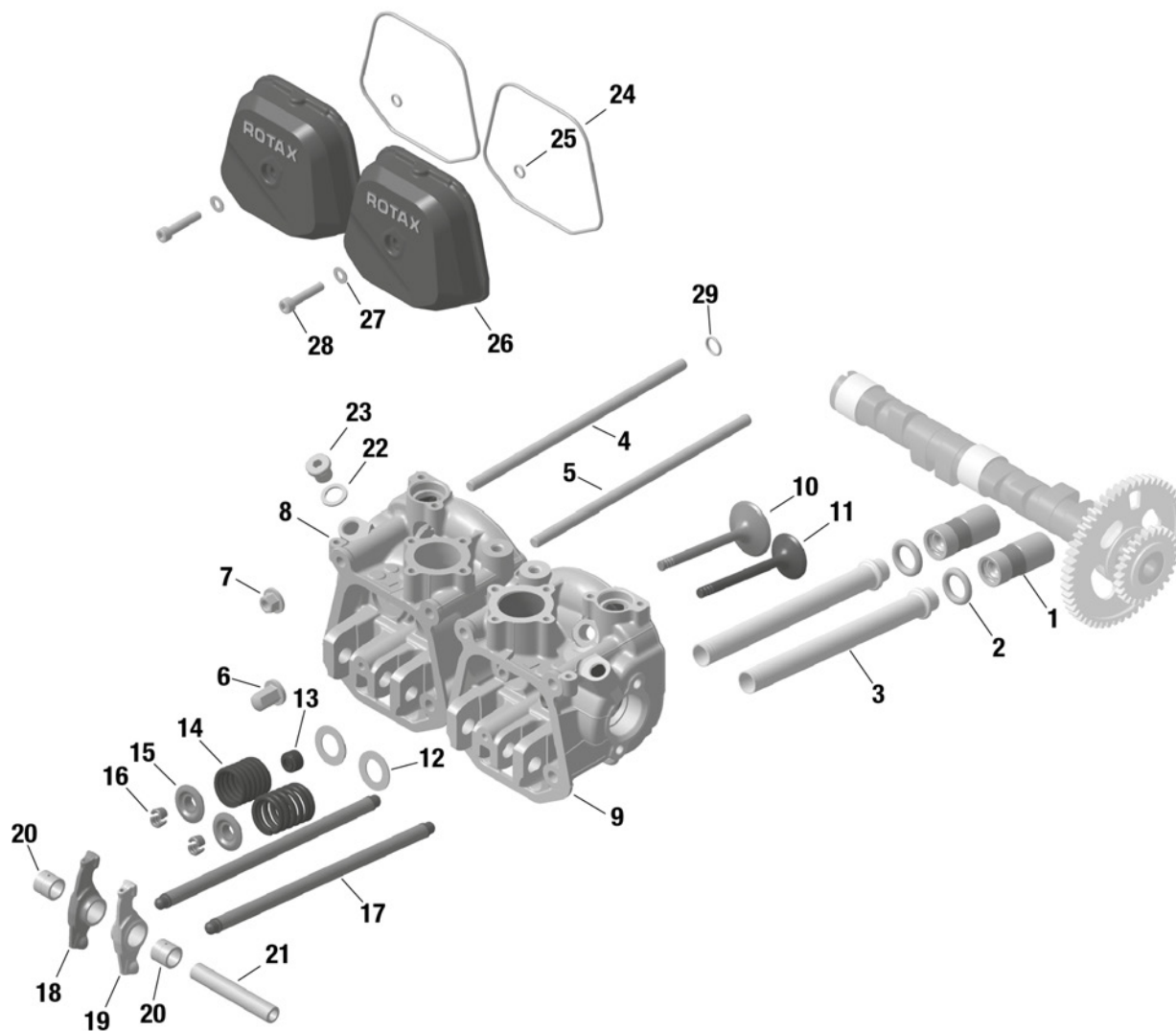
Effectivity: 915 iS C24
Edition 0/Rev. 0

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		430225	.1	O-RING 9X2,3-N, FPM 75	1
2		940526	.1	PLUG SCREW M20X1.5	1
3		246055	.1	WOODRUFF KEY 3x3.7	1
4	N s.v.	852409 852408	.1	SPRAG CLUTCH HOUSING	1
5		958856	.1	SPRAG CLUTCH 51.710x68,377x13	1
6		845425	.1	CIRCLIP 70	1
7		942250	.1	HEX. NUT M32x1.5 - LH	1
8		893928	.1	PISTON ASSY. 84/84.01 MM	4
9		815232	.1	OIL SCRAPER RING 84/76.5x3	4
10		815251	.1	RECTANGULAR RING 84/77x1.5	4
11		815280	.1	TAPERED COMPRESSION RING 84	4
12		916380	.1	PISTON PIN 20x12x51.3	4
13		845106	.1	MONOHOOK CIRCLIP 20	8
14		913228	.1	CYLINDER	4
15		250510	.1	O-RING 87x2-N, FPM 75	4
16		456540	.1	OIL SPRAY NOZZLE	1

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ILLUSTRATED PARTS CATALOG

CAMSHAFT, VALVE TRAIN, CYLINDER HEAD, VALVE COVER



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Figure 6.3: 72-20-00

72-20-00

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Effectivity: 915 iS C24
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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		881832	.1	HYDRAULIC VALVE TAPPET SET	1
1	n.a.	854097	..2	HYDRAULIC VALVE TAPPET	8
2		850930	.1	O-RING 16x5	8
3		924440	.1	OIL RETURN TUBE	8
4		840171	.1	STUD M8x200	8
5		840141	.1	STUD M8x186	8
6		842476	.1	COLLAR CAP NUT M8	8
7		942302	.1	COLLAR NUT M8	8
8	N s.v.	623756 623779	.1	CYLINDER HEAD 2/3 ASSY.	2
9	N s.v.	623766 623789	.1	CYLINDER HEAD 1/4 ASSY.	2
10		854101	.1	INTAKE VALVE 38 MM	4
11		854113	.1	EXHAUST VALVE 32 MM	4
12		926210	.1	SHIM 16/27.4/1	8
13		230810	.1	VALVE STEM SEAL	4
14		838156	.1	VALVE SPRING	8
15		854186	.1	VALVE SPRING RETAINER	8
16		253092	.1	VALVE COTTER	16
17		854861	.1	VALVE PUSH-ROD ASSY.	8
18	N s.v.	854384 854383	.1	ROCKER ARM LEFT	4
19	N s.v.	854394 854393	.1	ROCKER ARM RIGHT	4
20		933396	.1	BUSHING	8
21		854193	.1	ROCKER ARM SHAFT	4
22		250016	.1	SEALING RING A 12x18	3
23		841923	.1	PLUG SCREW M12x1.5	3
24		250285	.1	O-Ring 105x2.5	4
25		430205	.1	O-RING 6.4x1.8	4
26		612265	.1	VALVE COVER SKY BLUE	4
27		927941	.1	Washer 6.0/1/12	4

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ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
28		840887	.1	ALLEN SCREW M6x30 10.9	4
29		431570	.1	O-RING 10.82x1.78–N, FPM 70	8
—		881920	.1	O-RING SET	1a

a consists of 4x 430205 and 4x 250285

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ILLUSTRATED PARTS CATALOG

Chapter: 73-10-00
INTAKE MANIFOLD, AIRBOX, THROTTLE BODY SOCKET,
INTERCOOLER, WASTEGATE, FUEL INJECTOR, FUEL RAIL, PRESSURE
REGULATOR, FUEL RAIL COVER, FUEL PUMP ASSY.

TOPICS IN THIS CHAPTER

INTAKE MANIFOLD, AIRBOX, THROTTLE BODY SOCKET	2
INTERCOOLER, WASTEGATE	4
FUEL INJECTOR, FUEL RAIL, PRESSURE REGULATOR, FUEL RAIL COVER	7
FUEL PUMP ASSY.....	11

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ILLUSTRATED PARTS CATALOG

INTAKE MANIFOLD, AIRBOX, THROTTLE BODY SOCKET



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Figure 7.1: 73-10-00

73-10-00

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Effectivity: 915 iS C24
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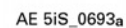
BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		667401	.1	INTAKE MANIFOLD 1/3	1
2		667406	.1	INTAKE MANIFOLD 2/4	1
3		850091	.1	ISOLATING FLANGE	2
4		440207	.1	HEX./TORX-FLANGE SCREW M6x20-SW8/T30	8
5		460421	.1	CONNECTING SOCKET	2
6		953093	.1	1-EAR-CLAMP 66.3-69.5 MM	4
7	N s.v.	667416 667414	.1	AIRBOX	1
8		440164	.1	HEX./TORX-FLANGE SCREW M6X16-SW8/T30	7
9		840672	.1	HOSE NIPPLE M6	1
10		860700	.1	RUBBER 20x10xM6	1
11		827968	.1	WASHER 6.4	1
12		842044	.1	LOCK NUT M6	1
13		850020	.1	RUBBER RING	1
14,25		685056	.1	THROTTLE BODY SOCKET ASSY.	1
15		953020	.1	SEPARATING PLATE	3
16		651780	.1	CONNECTOR BRACKET	1
17		250016	.1	SEALING RING A12x18	2
18		222421	.1	TEMPERATURE SENSOR	2
19		664364	.1	PRESSURE SENSOR 2.0	2
20		638140	.1	CLIP	2
21		951564	.1	CONNECTOR BRACKET	1
22		874654	.1	PRESSURE-/TEMP. SENSOR	2a
23		850610	.1	CONNECTOR GASKET	2
24		481485	.1	GOVERNOR CABLE KIT NC	
25		440000	.1	FIXING SCREW ASSY.	1b

a Ambient pressure and temperature

b Screw, nut and washers

INTERCOOLER, WASTEGATE



73-10-00

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		201015	.1	AIR INTAKE HOSE	1
2		951791	.1	CLAMP 50-70	2
3		853381	.1	CLAMP 40-60	4
4-12		481540	.1	POP OFF VALVE ASSY.	1
4		947785	..2	REDUCTION SLEEVE ASSY.	1a
5		812382	..2	VALVE HOUSING	1
6		431740	..2	O-RING 38x2.4-N, VITON GLT 70	1
7		840514	..2	ALLEN SCREW M5x16	4
8		667196	..2	VALVE PISTON	1
9		631333	..2	LIP SEAL 50-42-4.5	1
10		838372	..2	COMPRESSION SPRING DM22 D1.5 L65	1
11		450390	..2	O-RING 54x2-N, FPM	1
12		812395	..2	VALVE COVER ASSY.	1a
13		664364	.1	PRESSURE SENSOR 2.0	2
14		874338	.1	CONTROL HOSE 600 MM	3
14		874334	.1	CONTROL HOSE	ARb
15		851468	.1	CLAMP 10.3 – 12.8	6
16		664639	.1	SOLENOID VALVE	1
17		888962	.1	INTERCOOLER SI-PAC-005	1
18		888963	.1	INTERCOOLER NC SI-PAC-005	1
19		888965	.1	INTERCOOLER NC SI-PAC-005	1

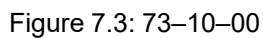
BRP-Rotax
ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
20		825900	.1	AIRFILTER NC SI-PAC-006	1
21		888967	.1	INTERCOOLER SI-PAC-005	1

a with impulse elbow integrated

b in a roll

FUEL INJECTOR, FUEL RAIL, PRESSURE REGULATOR, FUEL RAIL COVER



BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		874795	.1	FUEL RAIL 1/3 UNF	1a
1		874799	.1	FUEL RAIL 1/3 METRIC	1b
2		874797	.1	FUEL RAIL 2/4 (LEFT)	1
3		945750	.1	LOCK WASHER A5	11
4		640542	.1	ALLEN SCREW M5x12	11
5-7		874780	.1	FUEL INJECTOR	8
6		831060	..2	O-RING 7.52x3.51	8
7		831050	..2	O-RING 8.54x3.1 VITON B70	8
8		860042	.1	DAMPER LEFT	2
9		860040	.1	DAMPER RIGHT	2
10		250646	.1	SEALING RING A 12x18-CU	7
11		641543	.1	BANJO BOLT	3
12		874802	.1	FUEL LINE ASSY.	1
13		853412	.1	CABLE CLAMP	1
14		945831	.1	LOCK WASHER A6	1
15		241239	.1	ALLEN SCREW M6x16	1
16		874770	.1	PRESSURE REGULATOR HOUSING	1
17		889262	.1	FUEL PRESSURE REGULATOR ASSY.	1
18		845650	.1	RETAINING RING 36x1,5	1
19		941792	.1	ALLEN SCREW M5x45	1
20		841502	.1	ALLEN SCREW M5x35	1
21		840700	.1	ADAPTER 9/16 UNF/M12x1.5	1
21		856821	.1	ADAPTER METRIC M14x1.5/M12x1.5	1
22		960631	.1	TUBE 60 +/-3 MM	1
23		853653	.1	1-EAR-CLAMP	2
24		975090	.1	HEAT SHIELD	2
25		975065	.1	COVERING FUEL RAIL	2
26		939445	.1	SPRING WASHER 12x5.2x0.5	4
27 (28-39)		889275	.1	FUEL PRESSURE DAMPER ASSY. UNF NC	1

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
28	N n.a.	641543 641541	..2	BANJO BOLT – DIN 7643 – 8 –3 NC	1
29		841502	..2	ALLEN SCREW ISO 4762 – M5x35 – 8.8 NC	1
30		941792	..2	ALLEN SCREW ISO 4762 – M5x45 – 8.8 NC	1
31		845650	..2	RETAINING RING 36x1.5 NC	1
32		250646	..2	SEALING RING DIN 7603 – A12x18-CU NC	3
33		874775	..2	PRESSURE DAMPER HOUSING NC	1
34		889262	..2	FUEL PRESSURE REGULATOR ASSY: NC	1
35		840675	..2	HOSE NIPPLE M6 NC	1
36		853653	..2	1- EAR- CLAMP 8.3 – 10 MM NC	2
37		960632	..2	TUBE 100 +/-3 MM NC	1
38		874875	..2	FUEL LINE ASSY. 1/3 – UNF NC	1
39		840700	..2	ADAPTER 9/16 UNF/M12x1.5 NC	1
40 (28–37, 41,42)		889277	.1	FUEL PRESSURE DAMPER ASSY. METRIC NC	1

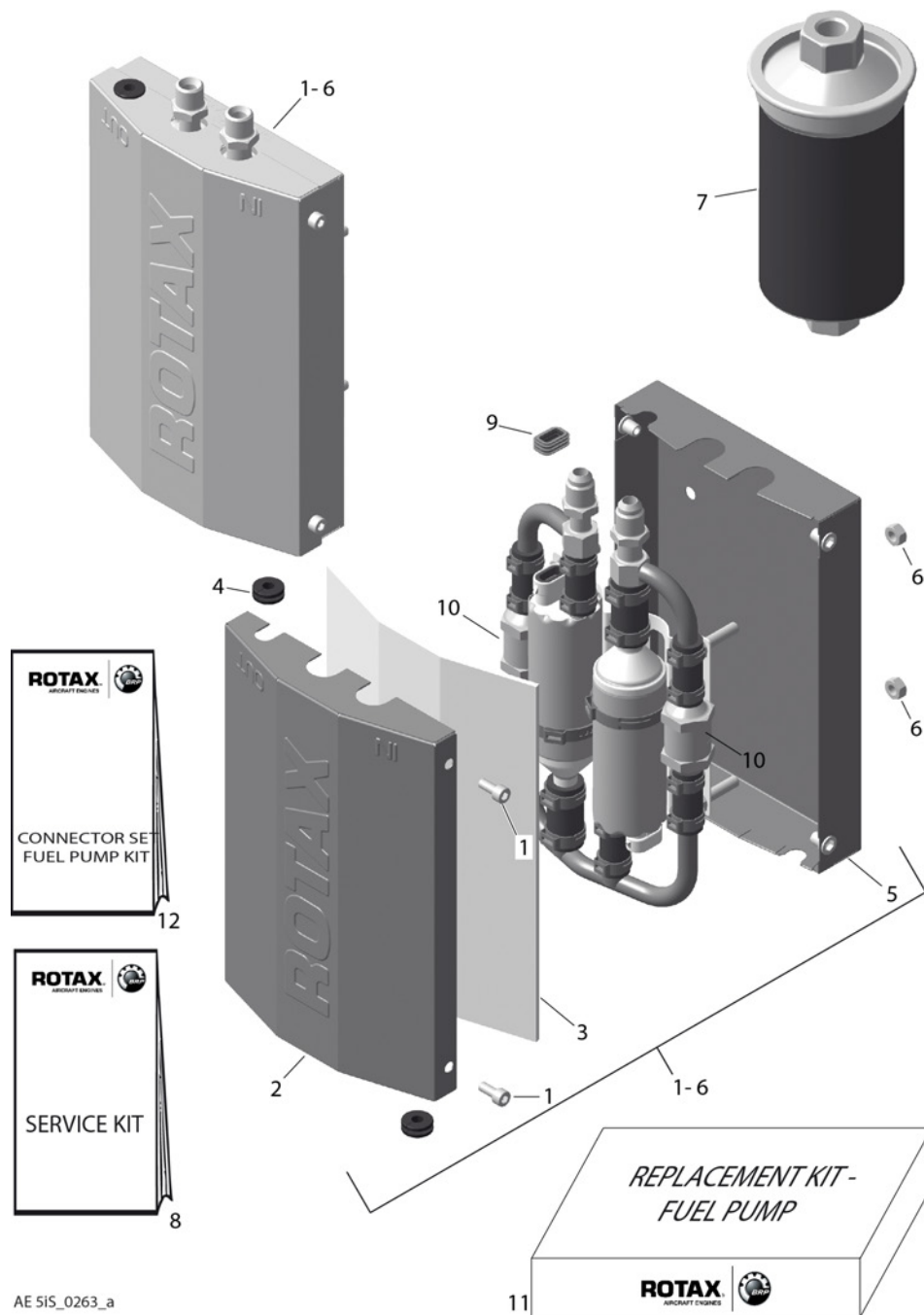
BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
41		874877	..2	FUEL LINE ASSY. 1/3-METRIC NC	1
42		856821	..2	ADAPTER M14x1.5/M12x1.5 NC	1
43		841131	.1	SENSOR BANJO BOLT	1c

- a Thread 9/16 18 UNF
- b Thread M14x1.5
- c For connection of fuel pressure sensor with M12x1.5

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ILLUSTRATED PARTS CATALOG

FUEL PUMP ASSY.



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Figure 7.4: 73-10-00

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-6		889697	.1	FUEL PUMP ASSY. UNF PACKAGED SI-PAC-016 NC	1ac
1-6		889696	..2	FUEL PUMP ASSY. UNF SI-PAC-016 NC	1ac
1-6		889699	.1	FUEL PUMP ASSY. METRIC PACKAGED SI-PAC-016 NC	1bc
1-6		889698	..2	FUEL PUMP ASSY. METRIC SI-PAC-016 NC	1bc
1		640541	..2	ALLEN SCREW M5x12 SI-PAC-016 NC	4
2		911790	..2	COVER SI-PAC-016 NC	1
3		975055	..2	HEAT PROTECTION MAT SI-PAC-016 NC	1
4		201160	..2	RUBBER GROMMET SI-PAC-016 NC	2
5		911700	..2	HOUSING SI-PAC-016 NC	1

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
6		242213	.2	HEX.NUT M6 SI-PAC-016 NC	8
7		874060	.1	FUEL FILTER SI-PAC-007 NC	1
8		889537	.1	SERVICE KIT SI-PAC-008 NC	1
9		xxx	.1	CONNECTOR GASKET see chapt. 76-50-00	2
10		874532	.1	CHECK VALVE SI-PAC-016	2
11		481378	.1	REPLACEMENT KIT FUEL PUMP SI-PAC-019 and SI-PAC-008	2d
12		xxx	.1	CONNECTOR SET FUEL PUMP	1
13		864653	.1	CONNECTOR ASSY. AMPHENOL X4	1

- a Thread 9/16 18 UNF (AN-6)
- b Thread M14x1.5
- c with gaskets for connectors
- d for replacement of 1 fuel pump including all clamps and hoses

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ILLUSTRATED PARTS CATALOG

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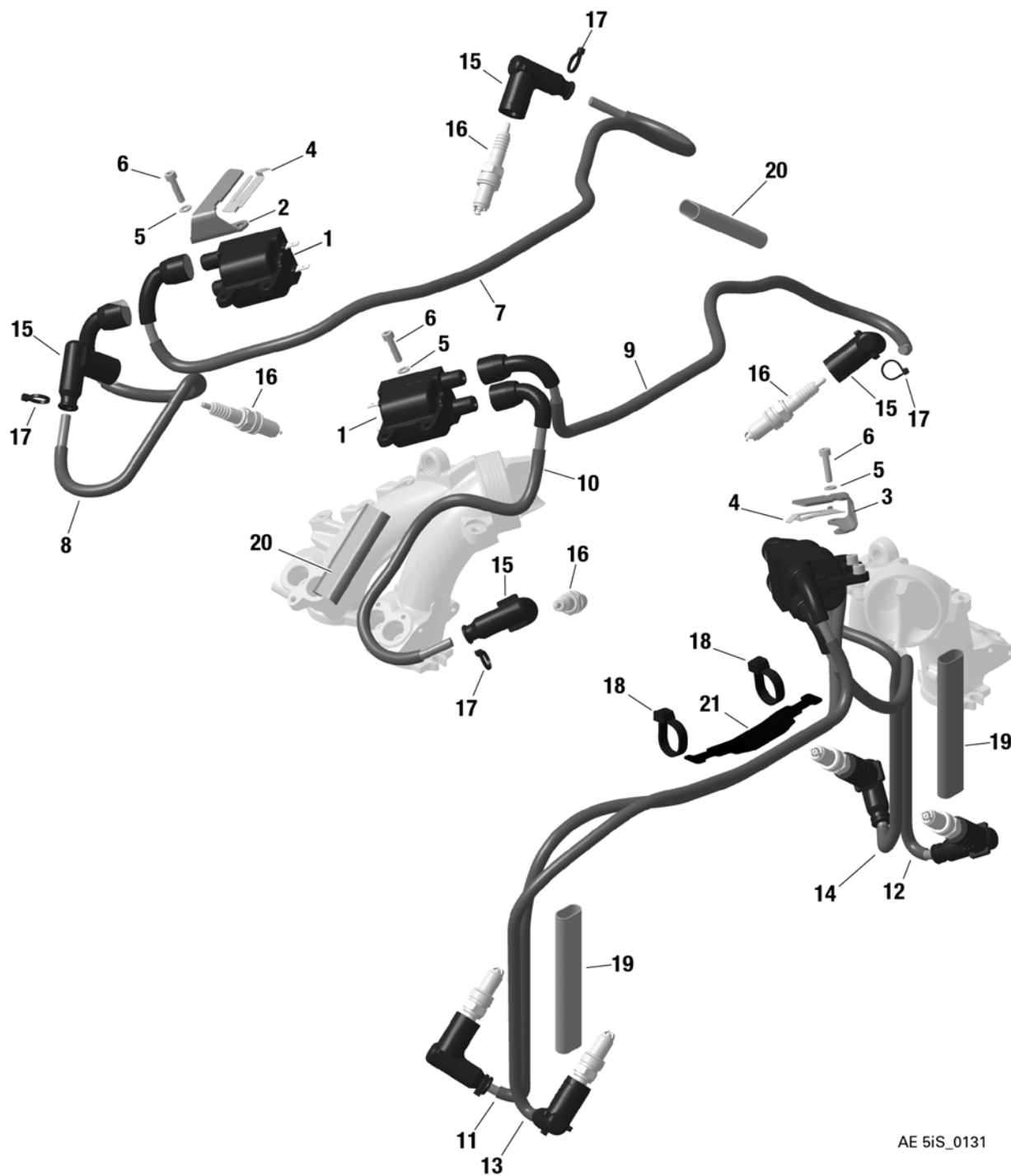
BRP-Rotax
ILLUSTRATED PARTS CATALOG

Chapter: 74-20-00
IGNITION COILS, IGNITION CABLE, SPARK PLUG CONNECTOR, SPARK
PLUG

TOPICS IN THIS CHAPTER

IGNITION COILS, IGNITION CABLE, SPARK PLUG CONNECTOR, SPARK	
PLUG	2

**IGNITION COILS, IGNITION CABLE, SPARK PLUG CONNECTOR, SPARK
PLUG**



AE 5iS_0131

Figure 8.1: 74-20-00

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		665613	.1	DOUBLE IGNITION COIL	4
2		951497	.1	CONNECTOR BRACKET	1
3		951496	.1	CONNECTOR BRACKET	1
4		251685	.1	SPRING HOOK	2
5		945750	.1	LOCK WASHER A5	8
6		441341	.1	ALLEN SCREW M5x20	8
7-14		665558	.1	IGNITION CABLE SET	1a
15		265249	.1	SPARK PLUG CONNECTOR	8
16		297656	.1	SPARK PLUG	8
17		866718	.1	TIE WRAP 94x2.5 MM	8
18		866716	.1	TIE WRAP 203x7.6 MM	2
19		860734	.1	GLASS FIBER-SILICON SHEATHING 120	2
20		860736	.1	GLASS FIBER-SILICON SHEATHING 75	2
21		651942	.1	PROTECTION SHIELD	1

a 8 ignition cable assy., 8 protective cap and 8 glass fiber-silicon sheeting.

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ILLUSTRATED PARTS CATALOG

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ILLUSTRATED PARTS CATALOG

Chapter: 75-20-00
WATER PUMP WITH DRIVE, EXPANSION TANK, COOLING AIR BAFFLE

TOPICS IN THIS CHAPTER

WATER PUMP WITH DRIVE	2
EXPANSION TANK WITH HOSES AND CONNECTIONS.....	4
COOLING AIR BAFFLE	7

WATER PUMP WITH DRIVE

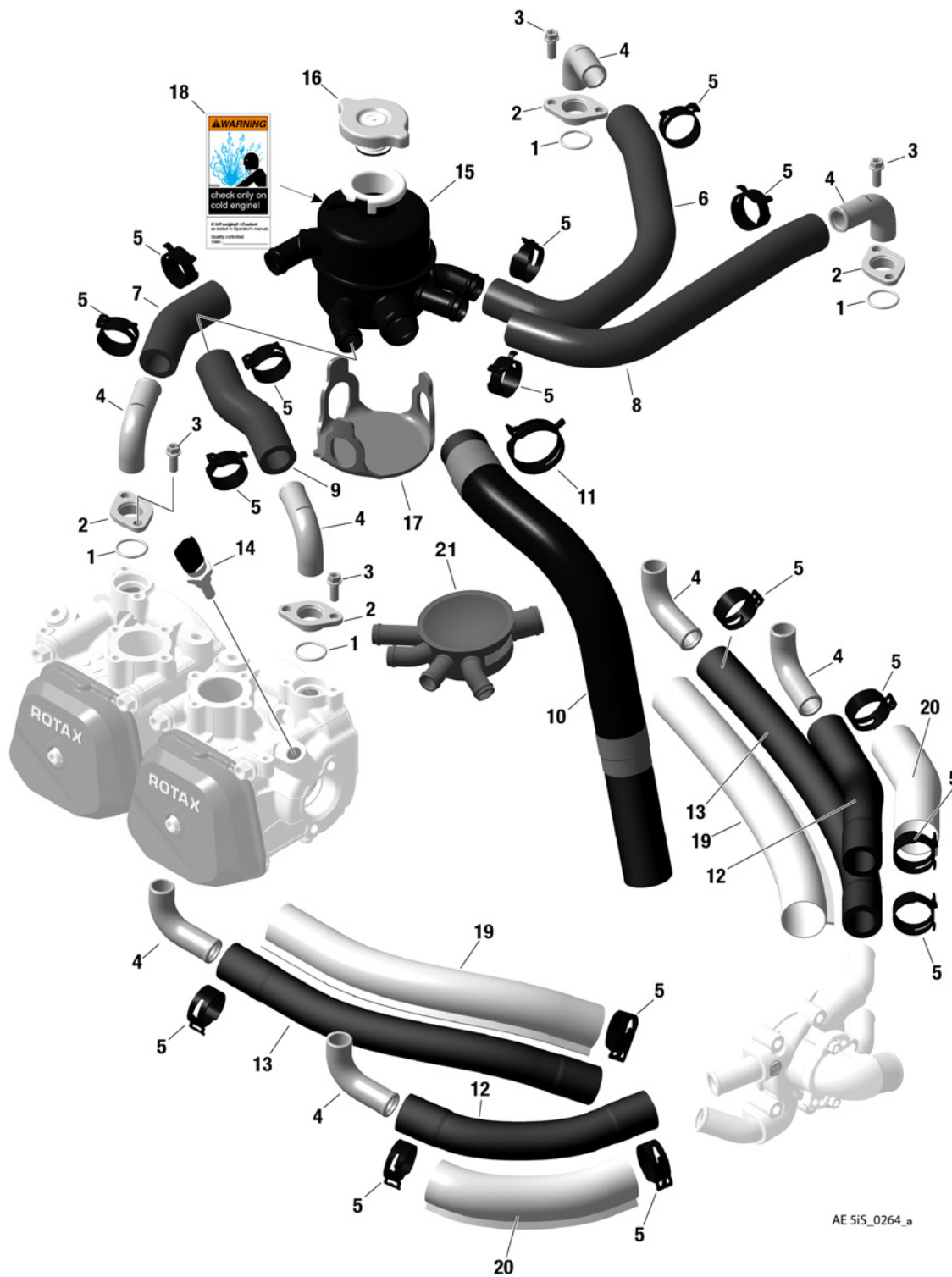


75-20-00

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		834135	.1	WATER PUMP GEAR 15 T	1
2	N s.v.	850978 850977	.1	OIL SEAL A 12x30x7 FPM	1
3		850946	.1	ROTARY SEAL	1
4	N s.v.	837112 837111	.1	PUMP SHAFT	1
5		926274	.1	WASHER 8.2/12.5/1.5	1
6		922224	.1	IMPELLER	1
7		922202	.1	WATER PUMP HOUSING	1
8		922238	.1	BENT SOCKET 45 DEGREES	3
9		922239	.1	BENT SOCKET 20 DEGREES	1
10		230020	.1	O-RING 32x2	10
11		922218	.1	WATER INLET ELBOW	1
12		827962	.1	WASHER 6.4 DIN 125	6
13		241935	.1	ALLEN SCREW M6x20 DIN 912	2
14		850981	.1	GASKET	1
15		241481	.1	ALLEN SCREW M6X90	2
16		241814	.1	ALLEN SCREW M6x35 ISO 4762-8.8	2
17		230415	.1	SEALING RING A 6x10 DIN 7603	1
18		241813	.1	ALLEN SCREW M6x35, STAINLESS	1

EXPANSION TANK WITH HOSES AND CONNECTIONS



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Figure 9.2: 75-20-00

75-20-00

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ILLUSTRATED PARTS CATALOG

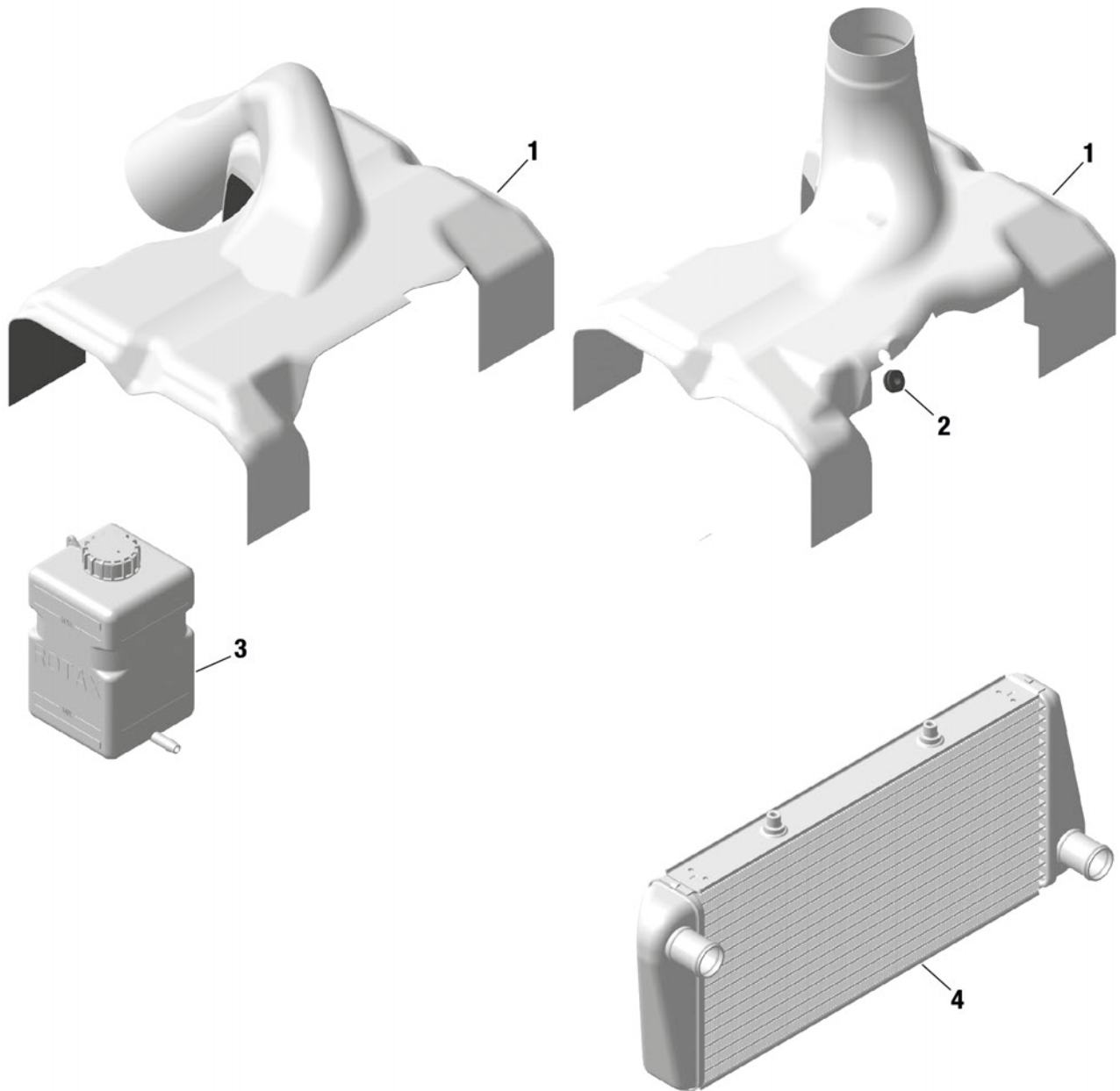
Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		950180	.1	O-RING 19-2	4
2		922303	.1	FLANGE	4
3		440162	.1	HEX./TORX-FLANGE SCREW M6X16-SW8/T30	8
4		922236	.1	BENT SOCKET 80 DEGREES	8
4		851645	.1	CLAMP 25	16e or 12d
5		851641	.1	CLAMP 26	4d
6		822423	.1	FORM HOSE 1	(1a)
6		822420	.1	FORM HOSE 1	1b
7		822433	.1	FORM HOSE 2	(1a)
7		822430	.1	FORM HOSE 2	1b
8		822443	.1	FORM HOSE 3	(1a)
8		822440	.1	FORM HOSE 3	1b
9		822448	.1	FORM HOSE 4	(1a)
9		822445	.1	FORM HOSE 4	1b
10		822450	.1	FORM HOSE	(1a)
10		822454	.1	FORM HOSE	1b
11		951350	.1	CLAMP 35	1
12		922368	.1	WATER TUBE 180 +/-3 MM	(2a)
12		922360	.1	WATER TUBE 180 +/-3 MM	2b
13		922369	.1	WATER TUBE 280 +/-3 MM	(2a)
13		922362		WATER TUBE 280 +/-3 MM	2b
14		965537	.1	TEMPERATURE SENSOR	1
15-18		922668	.1	EXPANSION TANK ASSY.	1
16		922072	..2	RADIATOR CAP WITH GASKET 1.2 BAR/ 17.4 PSI	1
17		860828	..2	RUBBER PLATE	1
18		897506	..2	WARNING LABEL	2
19		860650	.1	PROTECTION TUBE 240 MM	ARc

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
20		860650	.1	PROTECTION TUBE 140 MM	ARc
21		922265	.1	WATER DISTRIBUTOR ASSY. SI-PAC-022	1

- a** Silicone
- b** Standard EPDM, change every 5 years
- c** In a roll
- d** For silicone hoses
- e** For standard rubber hoses

COOLING AIR BAFFLE



AE 5iS_0220a

Figure 9.3: 75-20-00

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ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
1		975793	.1	COOLING AIR BAFFLE, TRACTOR WHITE	(1)
1		975799	.1	COOLING AIR BAFFLE, TRACTOR BLACK	(1)
1-2		975792	.1	COOLING AIR BAFFLE, PUSHER WHITE NC	(1)
1-2		975798	.1	COOLING AIR BAFFLE, PUSHER BLACK NC	(1)
2		201160	..2	RUBBER GROMMET	(1)
3		922327	.1	OVERFLOW BOTTLE WITH CAP	1
4		997086	.1	RADIATOR NC	1

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ILLUSTRATED PARTS CATALOG

Chapter: 76-10-00
ENGINE CONTROL UNIT, FUSE BOX REGULATOR

TOPICS IN THIS CHAPTER

ENGINE CONTROL UNIT, FUSE BOX, REGULATOR	2
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ILLUSTRATED PARTS CATALOG

ENGINE CONTROL UNIT, FUSE BOX, REGULATOR

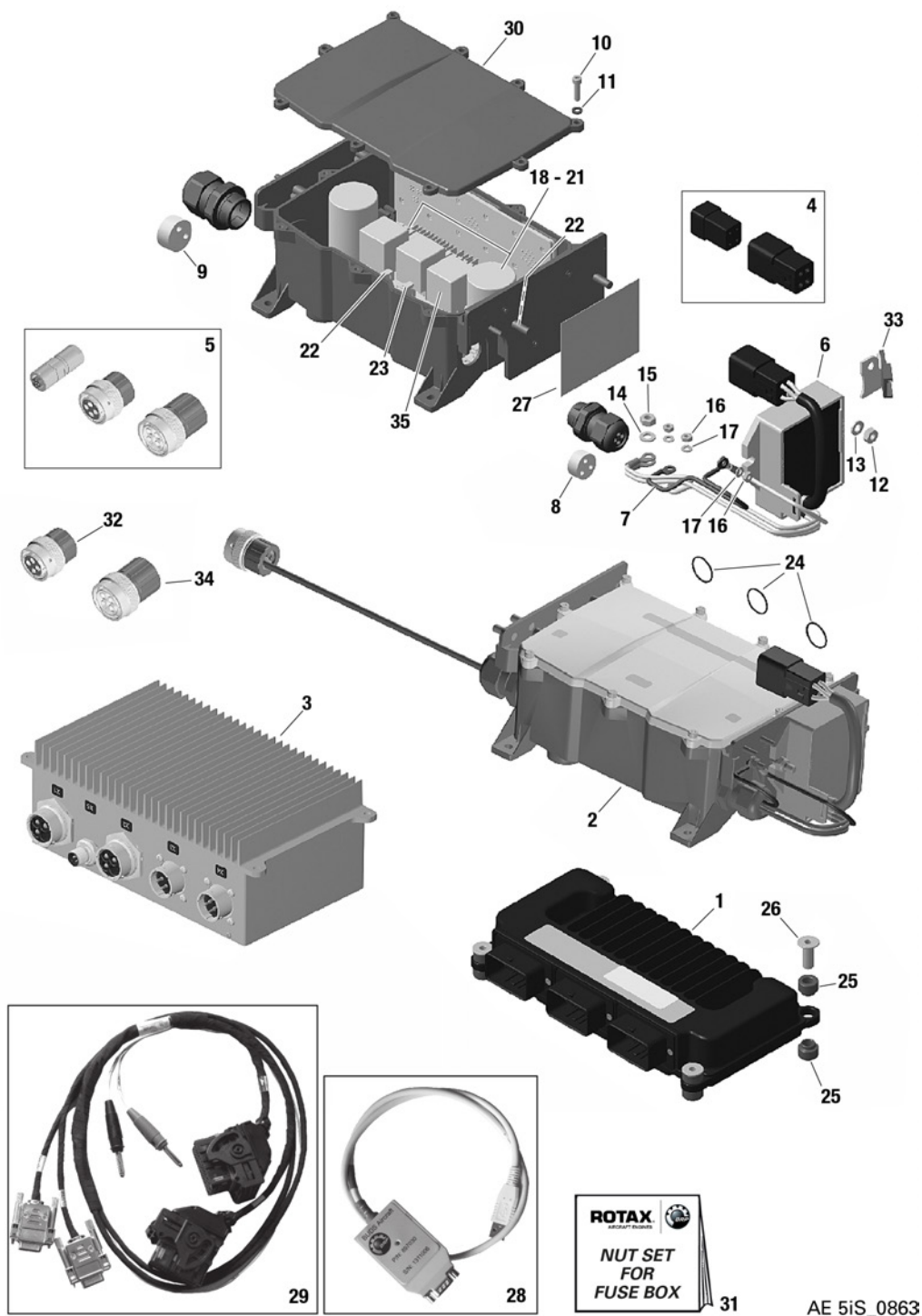


Figure 10.1: 76-10-00

76-10-00

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		881257	.1	ENGINE CONTROL UNIT ASSY. (864357 + packaging)	1b
2		881228	.1	FUSE BOX WRAPPED UP (665651 + packaging)	1
3		864505	.1	24 V AC-DC CONVERTER ASSY. PACKAGED (864500 + packaging)	1
4		866420	.1	CONNECTOR SET BLACK	1a
5		481560	.1	CONNECTOR SET AC-DC CONVERTER	1
		864670	..2	CONNECTOR ASSY. M12 PHONIX 1422852 X5	1
		864653	..2	CONNECTOR ASSY. AMPHENOL X4	1
		864593	..2	CONNECTOR ASSY. AMPHENOL X2	1
6		864392	.1	REGULATOR A-CONNECTOR BLACK	1
7		866440	.1	MASS CABLE ASSY.	1
8		201370	.1	SKINTOP CLICK 20 GASKET	1
9		201375	.1	SKINTOP CLICK 25 GASKET	1
10		840763	.1	ALLEN SCREW M4x16 ISO 4762-A2-70	9
11		827230	.1	PLASTIC WASHER M4	9
12		842042	.1	LOCK NUT M6	4
13		244213	.1	WASHER 6.4	2
14		927573	.1	WASHER 5.3	2
15		842033	.1	LOCK NUT M5	2
16		242538	.1	LOCK NUT M4-A2	6
17		244078	.1	WASHER 4.3	6
18		866450	.1	MINI-FUSE 2A	2
19		866452	.1	MINI-FUSE 5A	11
20		866454	.1	MINI-FUSE 7.5A	2
21		866456	.1	MINI-FUSE 10A	7
22		866490	.1	ATO-FUSE 20A	1
23		866492	.1	ATO-FUSE 35A	1
24		931110	.1	SEALING RING	3

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
25		201460	.1	RUBBER SLEEVE	8
26		947540	.1	SPACER	4
27		282870	.1	HEAT TRANSFER PAD 65x80x0.5 MM	2
28		xxx	.1	B.U.D.S. SET LEVEL 1 for pilots/user, see chapter 00-00-00 NC	1
28		xxx	.1	B.U.D.S. SET LEVEL 2 for maintenance personnel, see chapter 00-00-00 NC	1
28		xxx	.1	B.U.D.S. SET LEVEL 3 for distributors/OEM, see chapter 00-00-00 NC	1
29		xxx	.1	SERVICE WIRING HARNESS ASSY. see chapter 00-00-00 NC	1
30		201690	.1	COVER, FUSE BOX	1
31		881555	.1	NUT SET FUSE BOX	1
		242539	..2	LOCK NUT M4	6
		244078	..2	WASHER 4.3	6
		842044	..2	LOCK NUT M6	3
		244214	..2	WASHER 6.2/14/3	3
32		864652	.1	CONNECTOR ASSY. AMPHENOL X3	1
33		951983	.1	CONNECTOR BRACKET ASSY. NC	2
34		864592	.1	CONNECTOR ASSY. AMPHENOL X1	1
35		866150	.1	SWITCH RELAY 12V DC	3

- a** Connector set consisting of all parts for regulator and stator side, DEUTSCH connector
- b** See latest version of SI-915 i-004

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ILLUSTRATED PARTS CATALOG

Chapter: 76-50-00
WIRING HARNESS

TOPICS IN THIS CHAPTER

WIRING HARNESS.....	2
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ILLUSTRATED PARTS CATALOG

WIRING HARNESS

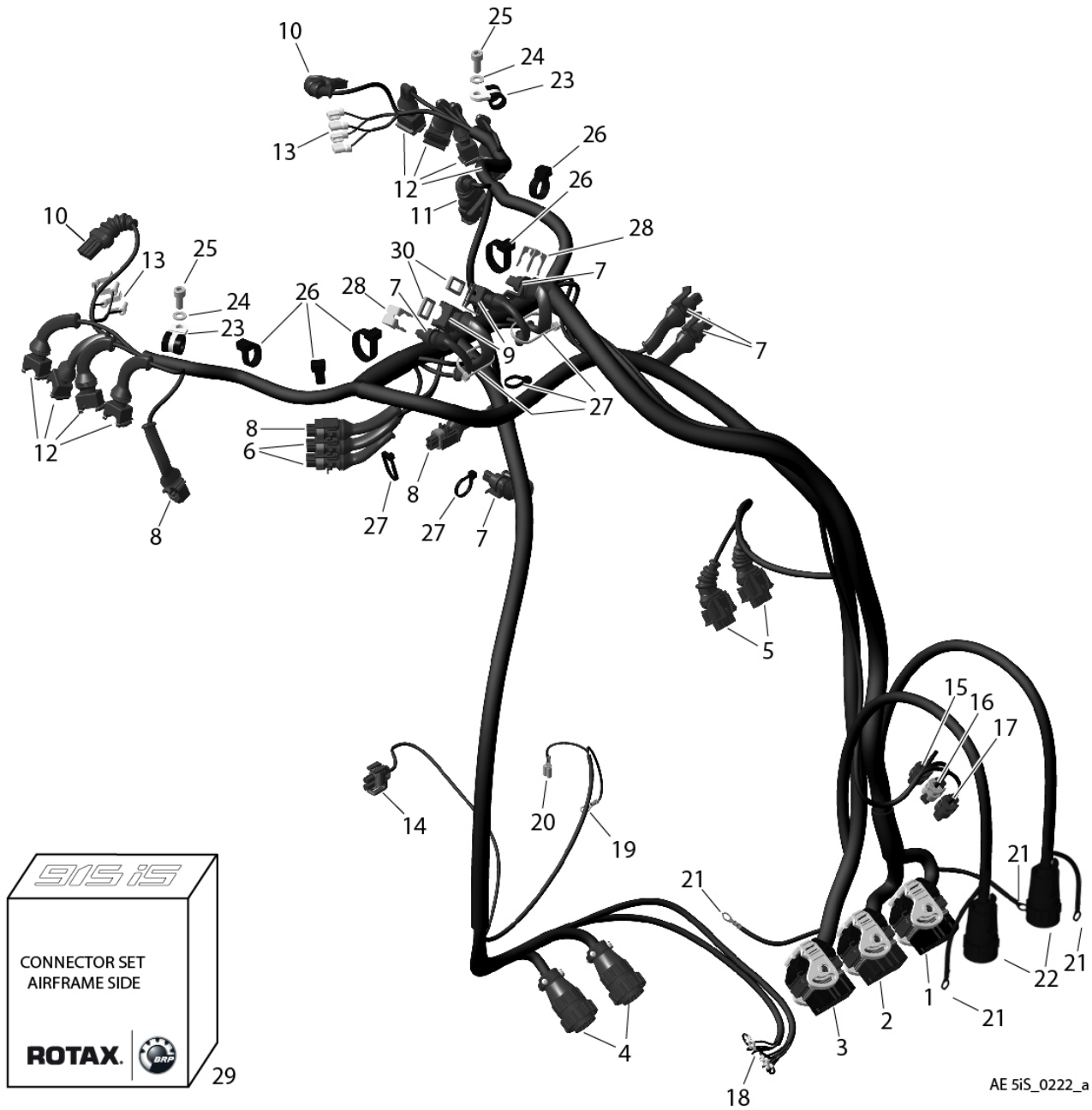


Figure 11.1: 76-50-00

76-50-00

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-21		665599	.1	WIRING HARNESS PACKAGED (665597 + packaging)	1c
1	n.a.		..2	ECU LANE A1 CONNECTOR	1
2	n.a.		..2	ECU LANE A2 CONNECTOR	1
3	n.a.		..2	ECU LANE B CONNECTOR	1
4		881312	..2	FUSE BOX CONNECTOR	2
5		881306	..2	AAPTS CONNECTOR	2
6		881298	..2	CPS CONNECTOR	2
7		881302	..2	CONNECTOR SET OPS, AND MAPS	5a
8		881296	..2	CTS A OTS A KNOCK CONNECTOR	3
9		881292	..2	MATS CONNECTOR	2
10		481455	..2	EGT CONNECTOR	2
11		881308	..2	TPS CONNECTOR	1
12		881300	..2	INJ CONNECTOR	8
13		881310	..2	IGNITION COIL CONNECTOR	1
14		XXXXXX	..2	FUEL PUMP CONNECTOR	2
15		481452	..2	CONNECTOR PCV A	1
16		481453	..2	CONNECTOR PCV B	1
17		481454	..2	CONNECTOR PCV C	1
18		965701	..2	RING TERMINAL M4	9
19		964059	..2	RING TERMINAL M6	1
20		864011	..2	FASTON CONNECTOR 6.3x0.8	1
21		966057	..2	RING TERMINAL M6	4
22		XXXXXX	.1	CONNECTOR SET HIC A + HIC B	1
23		251692	.1	CABLE CLAMP 12/M6	2
24		827962	.1	WASHER 6.4	2
25		840392	.1	ALLEN SCREW M6x14	2
26		866716	.1	TIE WRAP 203x7.6 MM	5
27		866714	.1	TIE WRAP 142x3.2 MM	5
28		638140	.1	CLAMP	5

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
29		XXXXXX	.1	CONNECTOR SET NC	1b
30		850610	.1	CONNECTOR GASKET	2d

- a 2x for pressure sensors in Pop Off Valve inclusive
- b HIC A, HIC B and FUSE BOX 3-pole airframe side
- c with rubber seals for MATS connector
- d for MATS connector

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ILLUSTRATED PARTS CATALOG

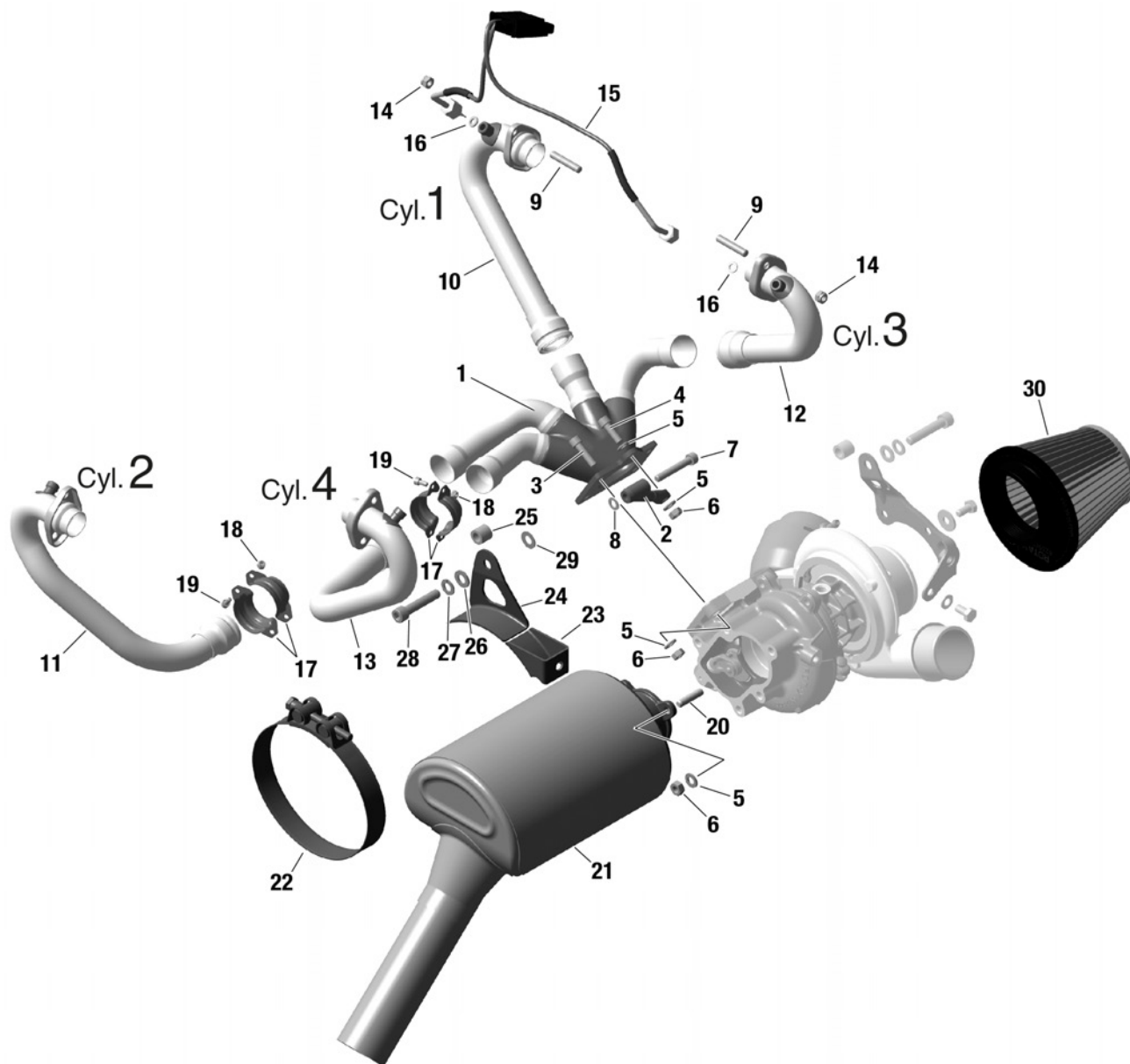
Chapter: 78-10-00
EXHAUST SYSTEM, EXHAUST TEMPERATURE SENSOR

TOPICS IN THIS CHAPTER

EXHAUST SYSTEM, EXHAUST TEMPERATURE SENSOR	2
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ILLUSTRATED PARTS CATALOG

EXHAUST SYSTEM, EXHAUST TEMPERATURE SENSOR



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Figure 12.1: 78-10-00

78-10-00

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ILLUSTRATED PARTS CATALOG

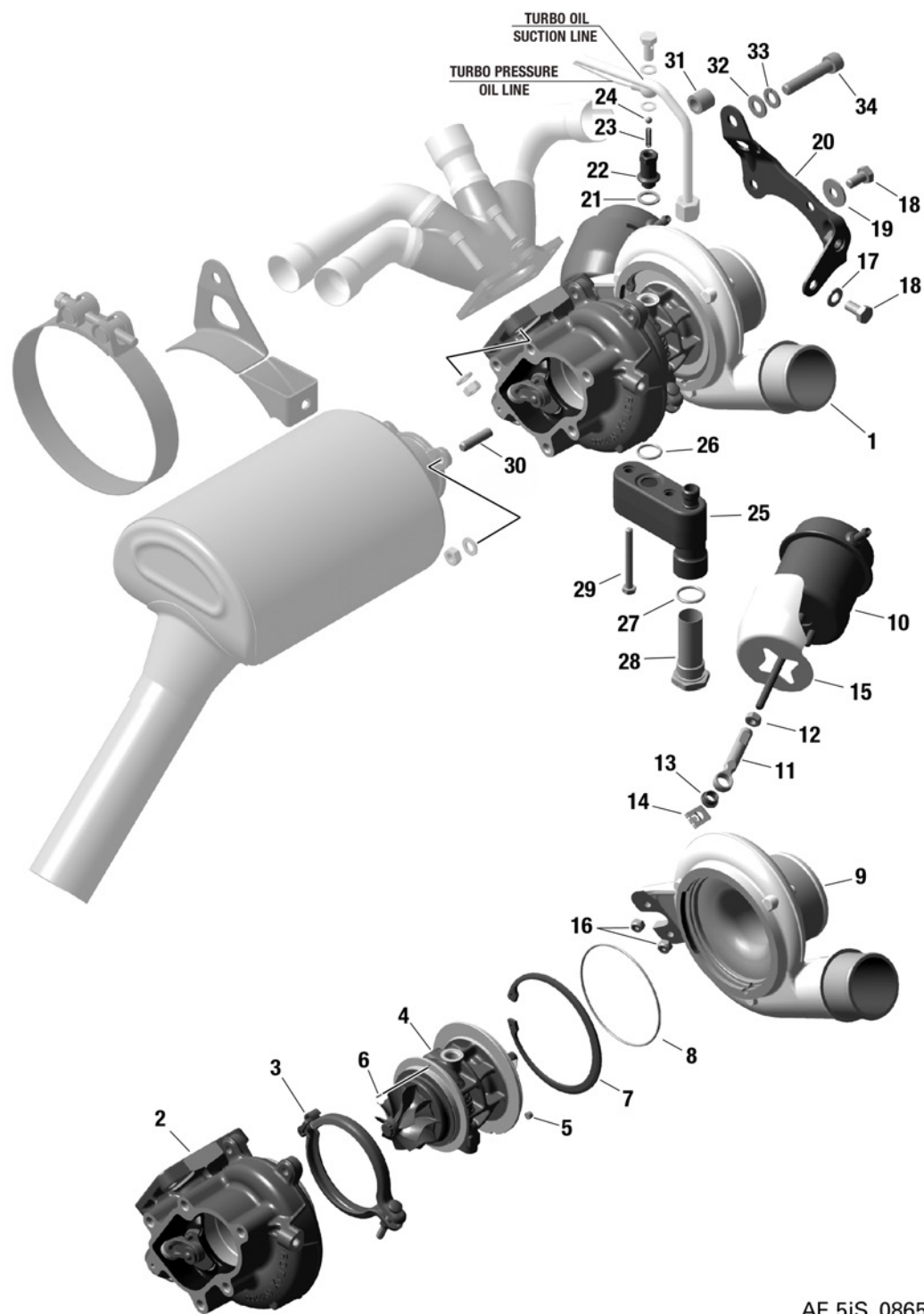
Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1		979561	.1	EXHAUST MANIFOLD ASSY.	1
2		953306	.1	MANIFOLD BRACKET ASSY.	1
3		840993	.1	ALLEN SCREW M8x30	4
4		240073	.1	ALLEN SCREW M8x20	1
5		250313	.1	WASHER 8.4 STAINLESS STEEL	12
6		242203	.1	HEX. NUT M8 STAINLESS STEEL	9
7		440107	.1	ALLEN SCREW M8x50	1
8		926402	.1	WASHER 8.4/15/1.5	AR
9		940366	.1	STUD M8x23/20	8
10		979501	.1	EXHAUST PIPE ASSY. CYL. 1	1
11		979511	.1	EXHAUST PIPE ASSY. CYL. 2	1
12		979521	.1	EXHAUST PIPE ASSY. CYL. 3	1
13		979531	.1	EXHAUST PIPE ASSY. CYL. 4	1
14		942950	.1	LOCK NUT M8-SW12	8
15		866262	.1	TEMPERATURE SENSOR	2
16		244213	.1	WASHER 6.4	4
17		979570	.1	EXHAUST PIPE CLAMP (Cyl. 2 and 4)	4
18		901442	.1	HEX. NUT ISO 7042 - M5 - A2 (Cyl. 2 and 4)	4
19		240153	.1	ALLEN SCREW M5X10 ISO 4762-A2-70 (Cyl. 2 and 4)	4
20		940173	.1	STUD M8x19.5/13	5
21	N s.v.	979495 979478	.1	MUFFLER ASSY. BRUSHED MUFFLER ASSY.	1
22		851445	.1	CLAMP 140-148	1
23		851685	.1	EXHAUST BRACKET	1
24		851680	.1	EXHAUST BRACKET	1
25		847841	.1	SPACER 10.5/17/15	2
26		927410	.1	WASHER 10.5	2
27		945753	.1	LOCK WASHER A10	2
28		640572	.1	ALLEN SCREW M10x50	2

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
29		927953	.1	THRUST WASHER 10.1/20/1.0 see chap. 71-20-00	AR
30		xxx	.1	AIRFILTER see chap. 73-10-00 NC	1

a For turbocharger bracket part no. 851297

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AE 5iS_0865

Figure 12.2: 78-10-00, TURBOCHARGER MY20

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ILLUSTRATED PARTS CATALOG

<u>TURBOCHARGER MY20</u>					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
1 (2-16)		893101	.1	TURBOCHARGER ASSY. (893108 + packaging)	1
1 (2-16)	s.v. n.a..	893108 893107	.1	TURBOCHARGER ASSY.	1
2		912201	..2	TURBINE HOUSING ASSY.	1
3		651873	..2	PROFILE CLAMP 83 MM	1
4	N n.a. s.v.	864165 864115 864119	..2	TURBO CARTRIDGE ASSY.	1
5		929320	..2	GUIDE PIN	1
6		629330	..2	NEEDLE PIN 2X6 EN ISO 8734	1
7		651866	..2	RETAINING RING	1
8		850540	..2	O-RING SIMILAR TO DIN 3771-83X2-N, FPM75	1
9	N s.v.	910753 910750	..2	COMPRESSOR HOUSING	1
10 (10-12)		867380	..2	ACTUATOR ASSY. (WASTEGATE)	1
11		440844	...3	EYE BOLT 7/16" M6x0.75	1
12		242914	...3	HEX.NUT ISO4032-M6x0.75 - A2-70	1
13		933682	..2	BUSHING	1
14		845005	..2	CIRCLIP	1
15		975150	..2	HEAT SHIELD	1
16		842041	..2	LOCK NUT M6 - 6.6	2
17		250313	.1	WASHER 8.4 STAINLESS STEEL	1
18		940583	.1	HEX. SCREW M8X16 STAINLESS STEEL	3
19		626333	.1	WASHER 8.4 DIN 9021 A2	2
20		851299	.1	TURBOCHARGER BRACKET METRIC	1
20		851283	.1	TURBOCHARGER BRACKET UNF	1
21	N s.v.	250646 250640	.1	SEALING RING A 12X18-CU DIN 7603	1
22		956482	.1	VALVE HOUSING	1
23		239131	.1	COMPRESSION SPRING 22.0	1

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ILLUSTRATED PARTS CATALOG

<u>TURBOCHARGER MY20</u>					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
24	N s.v.	232441 232440	.1	BALL 5.556 MM	1
25		656770	.1	OIL SUMP ASSY.	1
26		430225	.1	O-RING 15.9-2.3	1
27	N s.v.	250057 250055	.1	O-RING DIN 3771-18X2.5-N, FPM 75	1
28		640860	.1	PLUG SCREW ASSY. M22x1.5	1
29		640601	.1	HEX.SCREW ISO 4014 - M6X55 - 8.8	2
30		940173	.1	STUD M8x19.5/13	5
31		847841	.1	SPACER 10.5/17/15	2
32		927410	.1	WASHER 10.5	2
33		945753	.1	LOCK WASHER 10.5	2
34		640572	.1	ALLEN SCREW M10x50	2

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ILLUSTRATED PARTS CATALOG

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ILLUSTRATED PARTS CATALOG

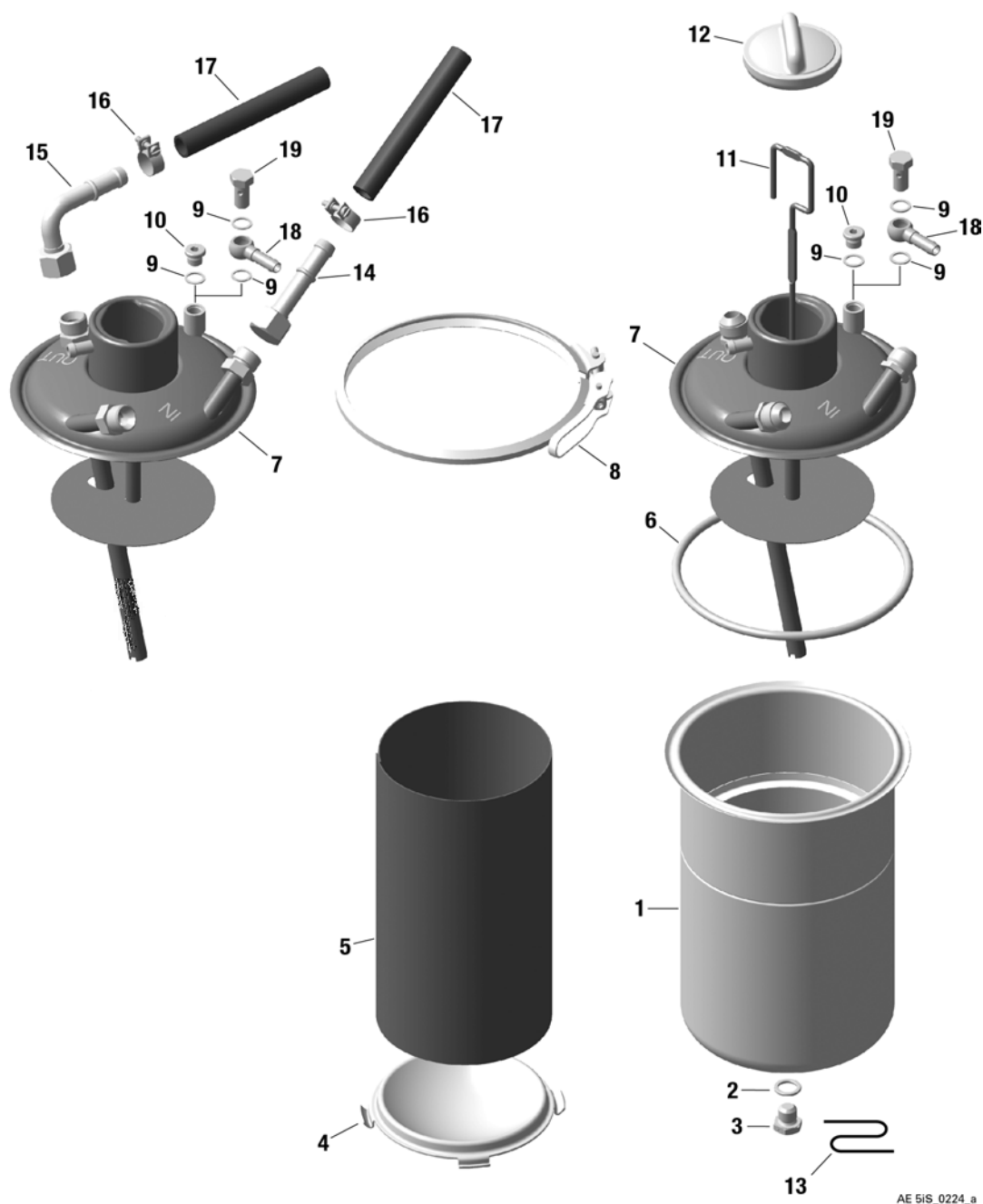
Chapter: 79-20-00
OIL TANK, OIL PUMP ASSY., OIL FILTER, OIL TEMPERATURE SENSOR,
OIL PRESSURE SENSOR, OIL SPRAY NOZZLE ASSY.

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ILLUSTRATED PARTS CATALOG

OIL TANK



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Figure 13.1: 79-20-00

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ILLUSTRATED PARTS CATALOG

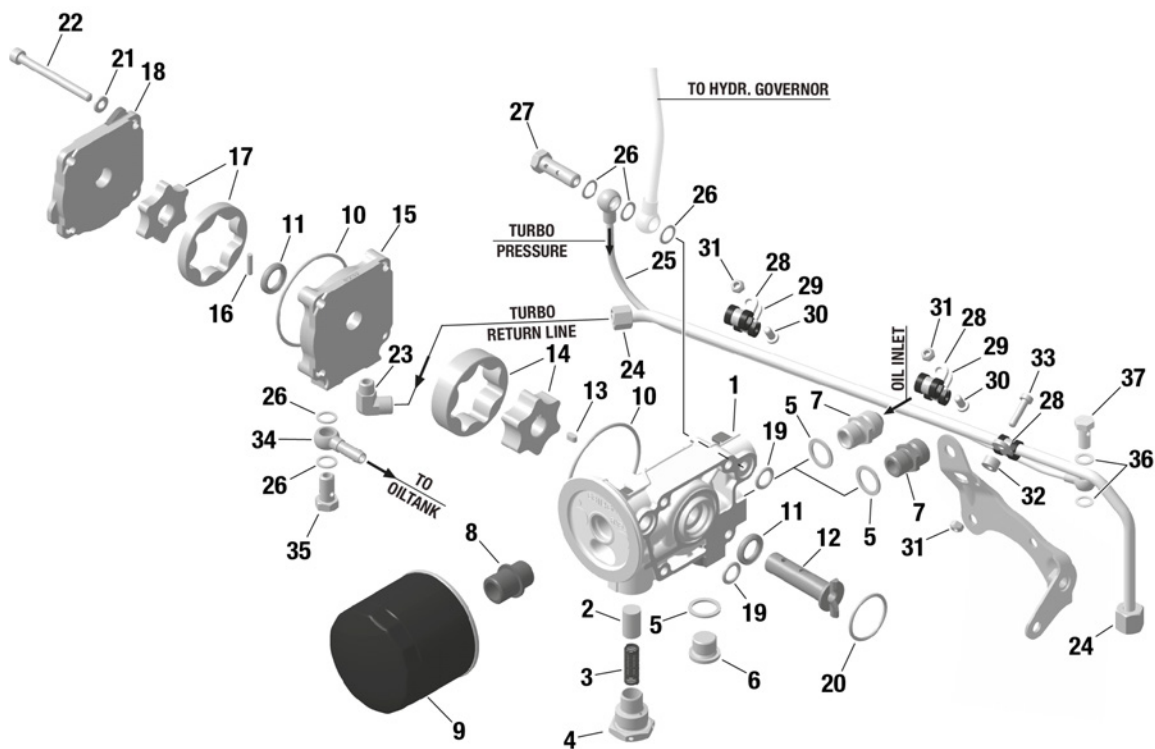
Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-12		656222	.1	OIL TANK ASSY UNF BIG SI-PAC-018 NC	1
1-12		656224	.1	OIL TANK ASSY. UNF standard	1
1-12		656226	.1	OIL TANK ASSY. METRIC standard	1
1	n.a.	xxx	..2	OIL TANK standard	(1)
1	n.a.	xxx	..2	OIL TANK BIG NC	1
2		250010	..2	GASKET RING C 12x18	1
3		241408	..2	HEX. SCREW M12x12	1
4		656861	..2	PARTITION 2	1
5		956204	..2	BAFFLE INSERT standard	1
5		956205	..2	BAFFLE INSERT BIG	1
6		850491	..2	O-RING 145x6-N, HNBR 70	1
7	n.a.	xxx	..2	OIL TANK COVER ASSY. UNF standard	(1)
7	n.a.	xxx	..2	OIL TANK COVER ASSY. METRIC standard	(1)
7	n.a.	xxx	..2	OIL TANK COVER ASSY. UNF BIG	(1)
8		951817	..2	PROFILE CLAMP 163	1
9		230150	..2	SEALING RING A 10x14	1
10		641733	..2	PLUG SCREW M10x1 DIN 908-A2-70	1
11		956152	..2	OIL DIPSTICK STANDARD NC	1
11		956154	..2	Oil DIPSTICK BIG	1
12		974647	.1	OIL TANK COVER, WITHOUT VENTING standard tank	(1)
12		974650	..2	OIL TANK COVER, WITHOUT VENTING BIG tank	(1)
13		297555	.1	SAFETY WIRE 0.8	1

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ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
14		956610	.1	HOSE NIPPLE WITH UNION NUT SI-PAC-013 NC	AR
15		951826	.1	HOSE CLAMP SI-PAC-013 NC	AR
16		956394	.1	OIL TUBE 12x19 SI-PAC-013 NC	AR
17		956314	.1	HOSE NIPPLE 4/6 SI-PAC-013	1
18		241073	.1	BANJO BOLT M10x1x19 SI-PAC-013	1

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ILLUSTRATED PARTS CATALOG

**OIL PUMP ASSY., OIL FILTER, OIL TEMPERATURE SENSOR, OIL
PRESSURE SENSOR**



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Figure 13.2: 79-20-00, TYPICAL

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ILLUSTRATED PARTS CATALOG

Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1	N s.v.	811463 811461	.1	OIL PUMP HOUSING	1
2		856330	.1	REGULATING PISTON	1
3		838125	.1	COMPRESSION SPRING DM 8.85 D1.25 L52	1
4		640850	.1	PLUG SCREW M22x1.5	1
5		430622	.1	SEALING RING A 16x22	2
6		240234	.1	PLUG SCREW A M16x1.5	1
7		956635	.1	ADAPTER 7/8-14 UNF/ M16x1.5	1
7		956605	.1	ADAPTER M22x1.5 / M16x1.5	1
8		924430	.1	OIL FILTER NIPPLE	1
9		825016	.1	OIL FILTER	1
10		830372	.1	O-RING 63-2.5	2
11		430102	.1	OIL SEAL A 14x22x4 FPM	2
12		837295	.1	OIL PUMP SHAFT	1
13		246580	.1	KEY A 4x4x8	1
14		888821	.1	PRESSURE INNER AND OUTER ROTOR	1
15		812194	.1	OIL PUMP HOUSING	1
16	N s.v.	232732 232731	.1	NEEDLE PIN 4x15.8 G3	1
17		656850	.1	ROTOR SET	1
18		911717	.1	OIL PUMP COVER	1
19		250460	.1	O-RING 11-2.7	2
20		950410	.1	O-RING 30x2.5	1
21		827962	.1	WASHER 6.4	4
22		241263	.1	ALLEN SCREW M6x65	4
23		824020	.1	MALE STUD ELBOW M10x1	1
24		656760	.1	TURBO OIL SUCTION LINE	1
25		656765	.1	TURBO PRESSURE OIL LINE	1
26		230150	.1	SEALING RING A 10x14	5
27		940877	.1	BANJO BOLT M10x1x30	1
28		851111	.1	CABLE CLAMP 8/M5	3

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Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
29		851116	.1	CABLE CLAMP 5/M5	2
30		241841	.1	ALLEN SCREW M5x12	2
31		942021	.1	LOCK NUT M5	3
32		847664	.1	SPACER 5.2/11/6.0	1
33		941540	.1	ALLEN SCREW M5x20	1
34		956314	.1	HOSE NIPPLE 4/6	1
35		940876	.1	BANJO BOLT M10x1x23	1
36		950141	.1	SEALING RING A8x13	2
37		840730	.1	BANJO BOLT M8x1x17	

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**OIL TEMPERATURE SENSOR, OIL PRESSURE SENSOR, OIL SPRAY
NOZZLE ASSY.**

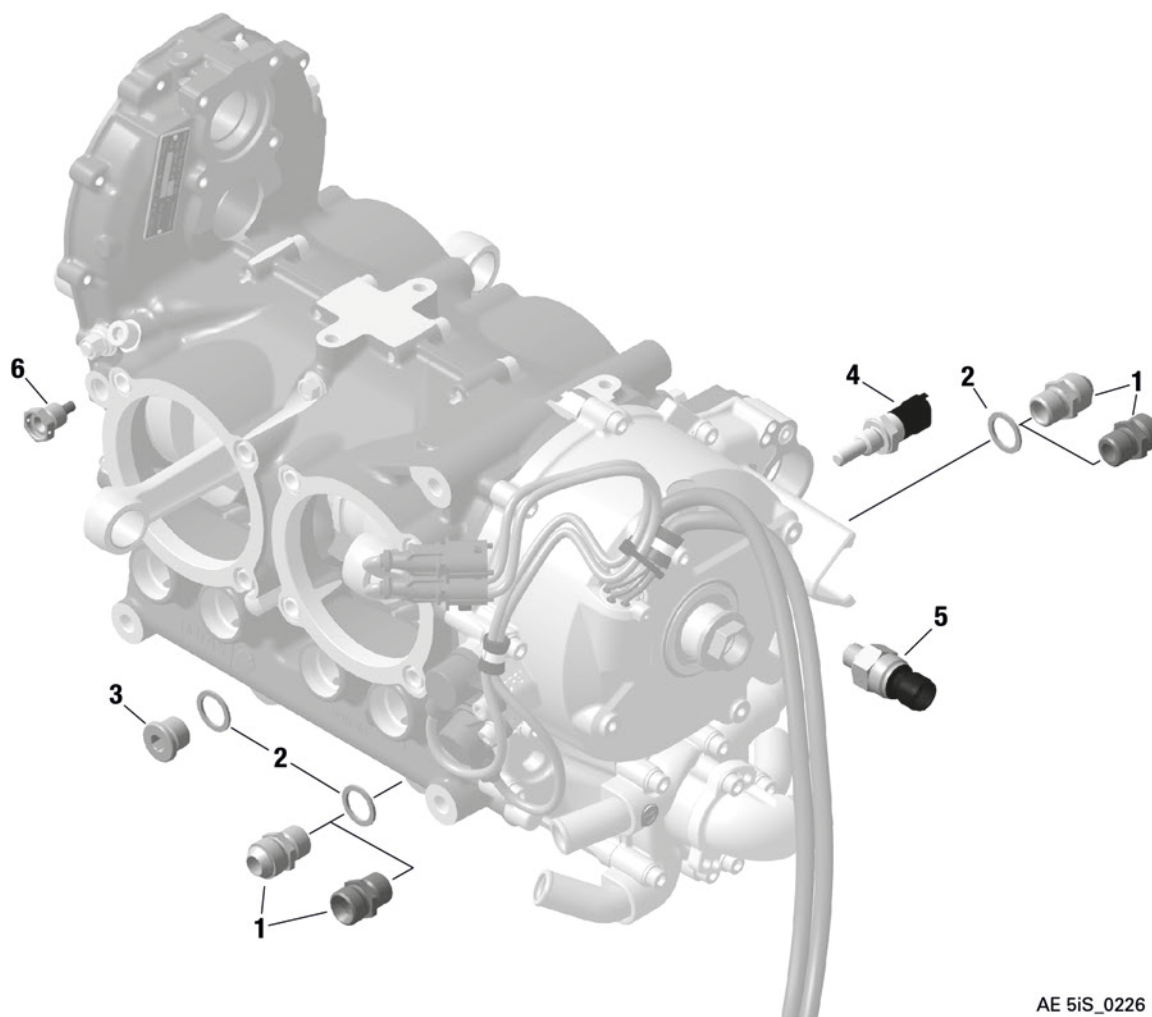
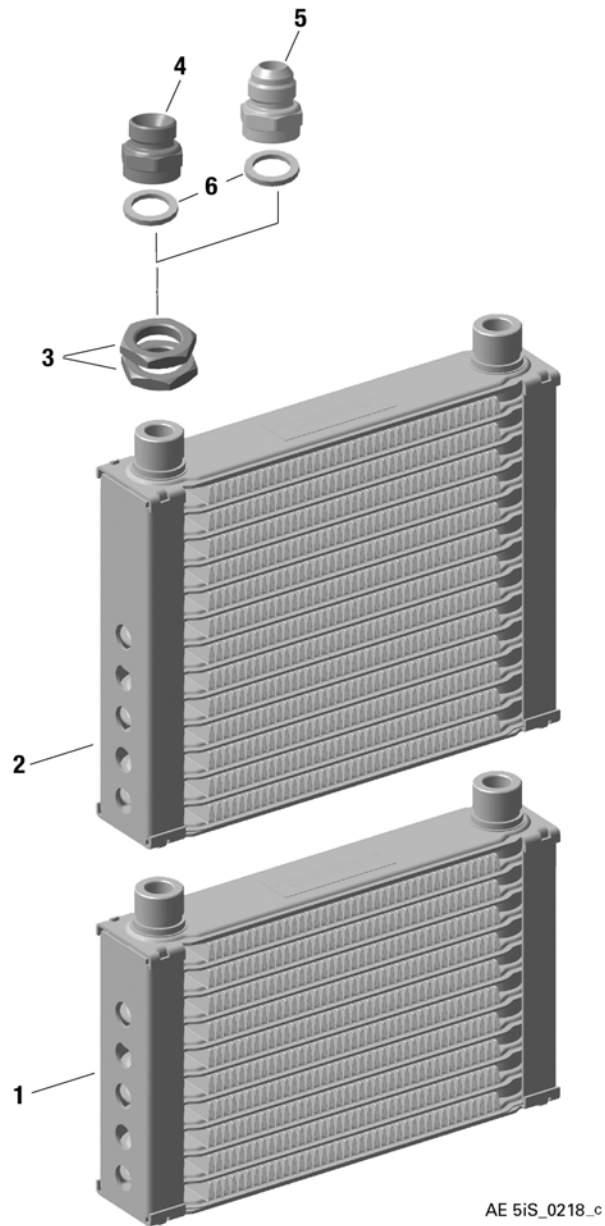


Figure 13.3: 79-20-00

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ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
1		956652	.1	ADAPTER 3/4-16 UNF/ M16x1.5	(2)
1		956655	.1	ADAPTER M18x1.5 / M16x1.5	2
2		430622	.1	SEALING RING A 16x22	3
3		240234	.1	PLUG SCREW A M16x1.5	2
4		965537	.1	TEMPERATURE SENSOR	1
5		664365	.1	PRESSURE SENSOR 10	1
6		241785	.1	MAGNETIC PLUG M12x1.5	1

OIL RADIATOR



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Figure 13.4: 79-20-00

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ILLUSTRATED PARTS CATALOG

					Parts per Engine
Item No.	Status	Part No.	Indent	Description	915 iS C24 ASTM
1		886005	.1	OIL RADIATOR SI-PAC-013 NC	(1a)
2		886107	.1	OIL RADIATOR SI-PAC-013 NC	(1b)
3		242873	.1	HEX.NUT M22x1.5 SI-PAC-013 NC	(4)
4		956685	.1	ADAPTER M22x1.5/M22x1.5 SI-PAC-013 NC	(2)
5		956680	.1	ADAPTER 7/8–14 UNF / M22x1.5 SI-PAC-013 NC	(2)
6		250735	.1	GASKET RING A 14x20 SI-PAC-013 NC	(2)

a cooling area 234 cm²

b cooling area 300 cm²

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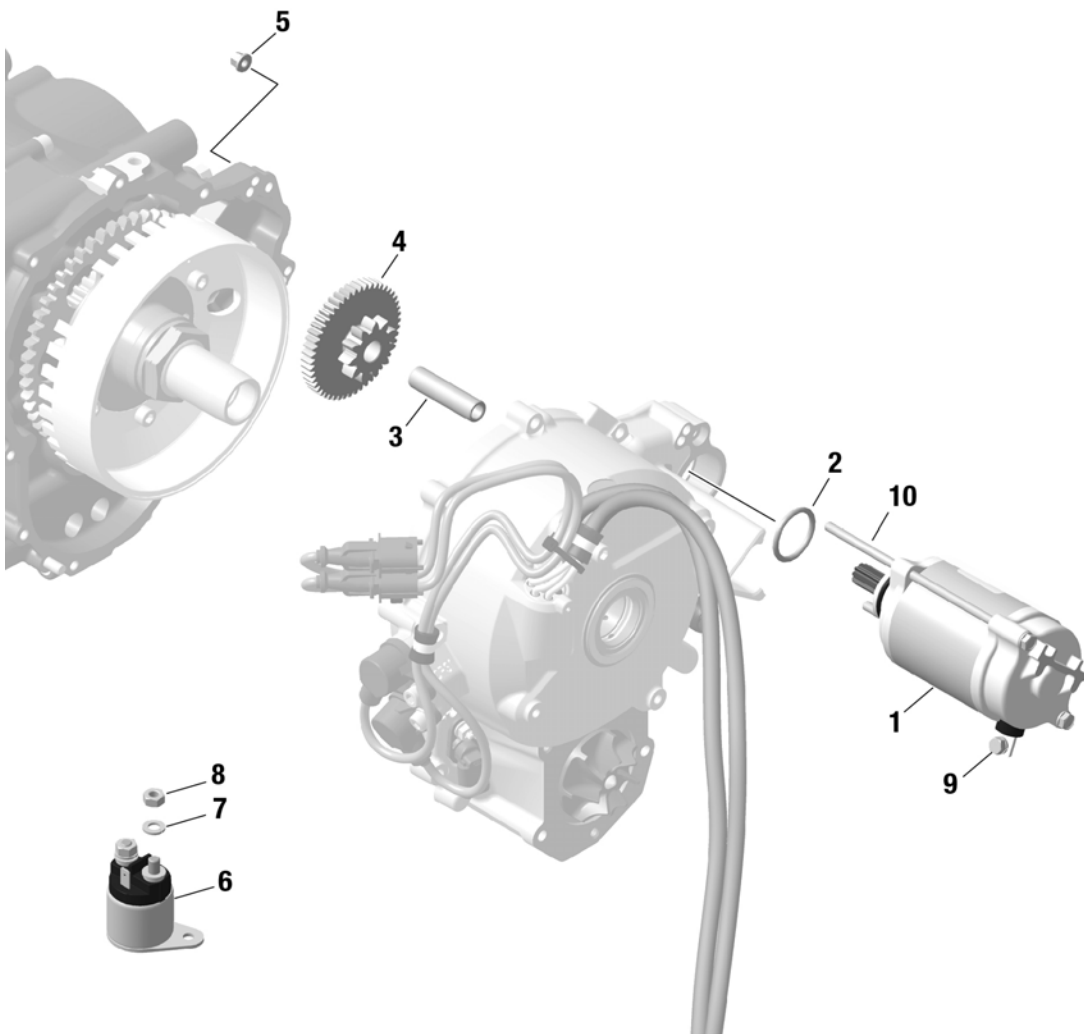
Chapter: 80-10-00
ELECTRIC STARTER, STARTER RELAY

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ILLUSTRATED PARTS CATALOG

ELECTRIC STARTER



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Figure 14.1: 80-10-00

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Item No.	Status	Part No.	Indent	Description	Parts per Engine
					915 iS C24 ASTM
1-2		685672	.1	ELECTRIC STARTER ASSY. 24 V	1
2		250140	..2	O-RING DIN 3771-24.4x3.1-N NBR70	1
3		837102	.1	IDLE GEAR SHAFT	1
4	N s.v.	834157 834156	.1	IDLE GEAR 50/11 T	1
5		942311	..2	HEX. NUT M5	2
6-8		992818	.1	STARTER RELAY ASSY.	1
7		945831	..2	LOCK WASHER A6	2
8		242214	..2	HEX. NUT M6	2
9		240457	.1	TERMINAL SCREW M5x8	1
10		241132	.1	SET BOLT M5x143	2

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Engine serial no.

Type of aircraft

Aircraft registration no.

Rotax® authorized distributor



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