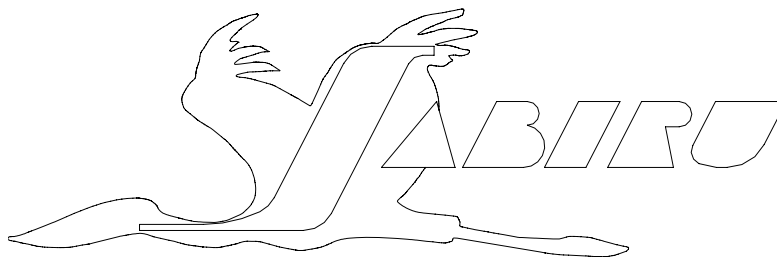


JABIRU ENGINE PARTS BOOK



3300 SERIES

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Please fill in your engine and aircraft details for future reference.

Engine Serial #:

Aircraft Type:

Model:

Serial #:

Registration #:

Note:

1. Not all parts are illustrated
2. Parts not serviced individually are noted as NSS
3. All efforts are made to ensure accuracy at the time of publication, if you find any discrepancies, or have any questions about the contents of this publication please contact Jabiru Aircraft Pty Ltd.
4. This parts listing is divided into sections A to O. The pages are identified with a letter for the section, followed by a page number for the section and another digit to indicate the issue level for that page only.
5. All quantities are per engine unless stated otherwise.

6. When ordering parts always quote engine serial number and any upgrades carried out on the engine, as well as item number, part number, description, section letter, page number and issue number. This complete information will ensure Jabiru Aircraft Pty Ltd supply the correct part.

Engine Parts Catalogue Index

Section	Description
A	Cylinder Head
B	Crankcase Crankshaft and Camshaft
C	Conrod Piston and Barrel
D	Valves Assembly
E	Lubrication System
F	Flywheel and Ignition
G	Induction System
H	Engine Mount and Fittings
I	Exhaust and Muffler
J	Gearbox Assembly
K	Starter Motor
L	Sump Dipstick and Breather
M	Rocker Lubrication and Venting
N	Carburettor Assembly
O	Miscellaneous Electrical
	Alphabetical Index

Jabiru 3300 Engine

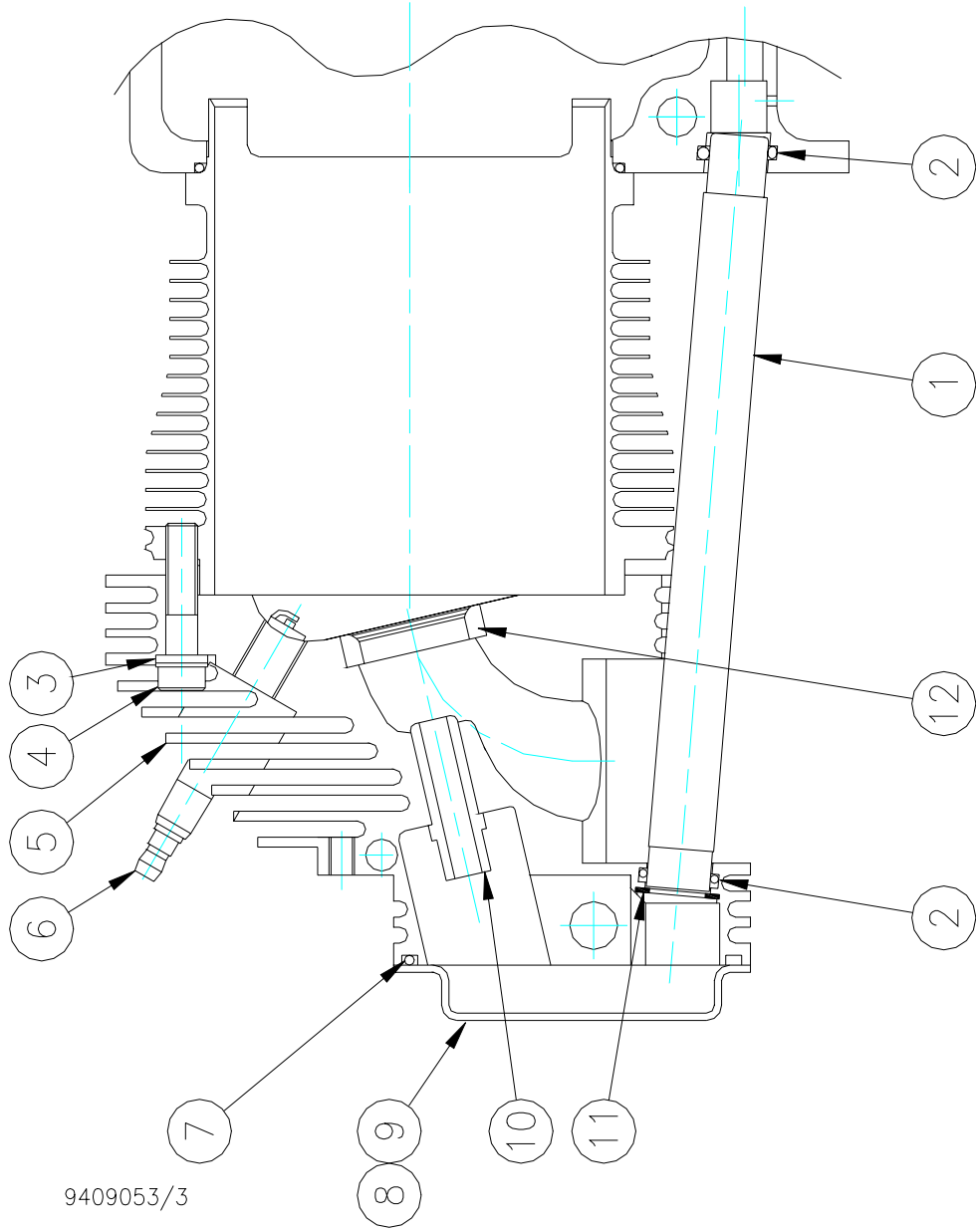
Section A: CYLINDER HEAD

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	PG10042N		'O'RING BS114V	24	
2	4633074	2	TUBE PUSH ROD COVER	12	
3	PH0666N	1	WASHER BELLEVILLE	36	
	452318N	1	WASHER	36	
4	PH72E24		CAP SCREW 1 1/2 X 5/16 UNF	36	
5	4657082	1	CYLINDER HEAD	6	NSS
6	PI10582N		SPARK PLUG	12	
7	PG0168N	1	'O'RING BS237V	6	
8	4641084	2	ROCKER COVER	6	
9	PH72624		CAP SCREW 5/8 X 1/4 UNC	48	
	AN960-416		WASHER	48	
10	4590074	4	VALVE GUIDE	12	
11	PH0515N		CIRCLIP (20 INT)	12	
12	4659084	2	VALVE SEAT INSERT INLET	6	
	4660084	2	VALVE SEAT INSERT EXHAUST	6	

Cylinder Head Assemblies available incorporating :
 Cylinder Head
 Valve Guides
 Valve Seat Inserts

Note: Oversize valve guides available, use std P/N & specify 0.05, 0.10, 0.15
 Oversize. Identification is by 1, 2 or 3 dimples on exposed diameter when
 Fitted to assembled head

Jabiru 3300 Engine



Section A- 2 -1

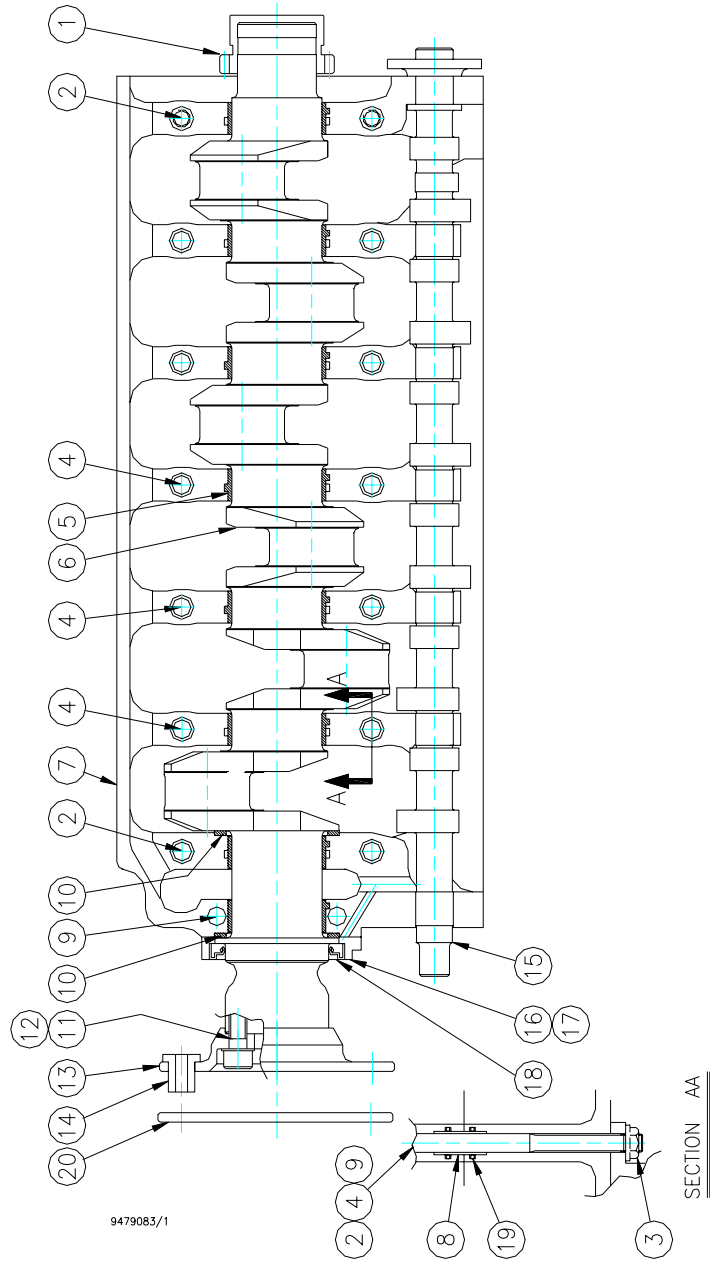
Jabiru 3300 Engine

Section B: CRANKSHAFT, CRANKCASE AND CAMSHAFT

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	4643084	2	GEAR CRANKSHAFT	1	
2	4292044	2	STUD SHORT	4	
3	MS21042-6	1	NUT CRANKCASE STUD	18	
4	4291044	2	STUD LONG	10	
5			BEARING SET MAIN	1	
6	4629072	1	CRANKSHAFT	1	
	PH9912N		WELSH PLUG 28 DIA	1	
	PH0646N		WELSH PLUG 7/8 DIA	1	
	PH0636N		GRUB SCREW 1/4 X 1/4 UNF	1	
7	4621072	1	CRANKCASE RS	1	NSS
	4622072	1	CRANKCASE LS	1	NSS
	PH9852N		PLUG 1/8 NPT	1	
8	4347054	6	DOWEL CRANKCASE	14	
9	4293044	2	STUD FRONT	2	
10	PB9942N		THRUST BEARING	2	
11	PH0676N		CAP SCREW 3/4 X 3/8 UNF	6	
12	PH0279N		WASHER	6	
13	4525064	6	FLANGE PROP MOUNT	1	
14	4688084	1	GUIDE PROP BOLT	6	
15	4625072	3	CAM SHAFT	1	
	PH10012N		WELSH PLUG 10 DIA	1	
16	4282044	4	HOUSING FRONT OIL SEAL	1	
17	PH0535N		CAP SCREW 3/4 X 1/4UNC	4	
18	PG9872N		OIL SEAL	1	
19	PG0035N		'O'RING BS112V	10	
20	4081223	3	PLATE PROP MOUNT	1	

Crankcase halves are not sold separately.

Jabiru 3300 Engine



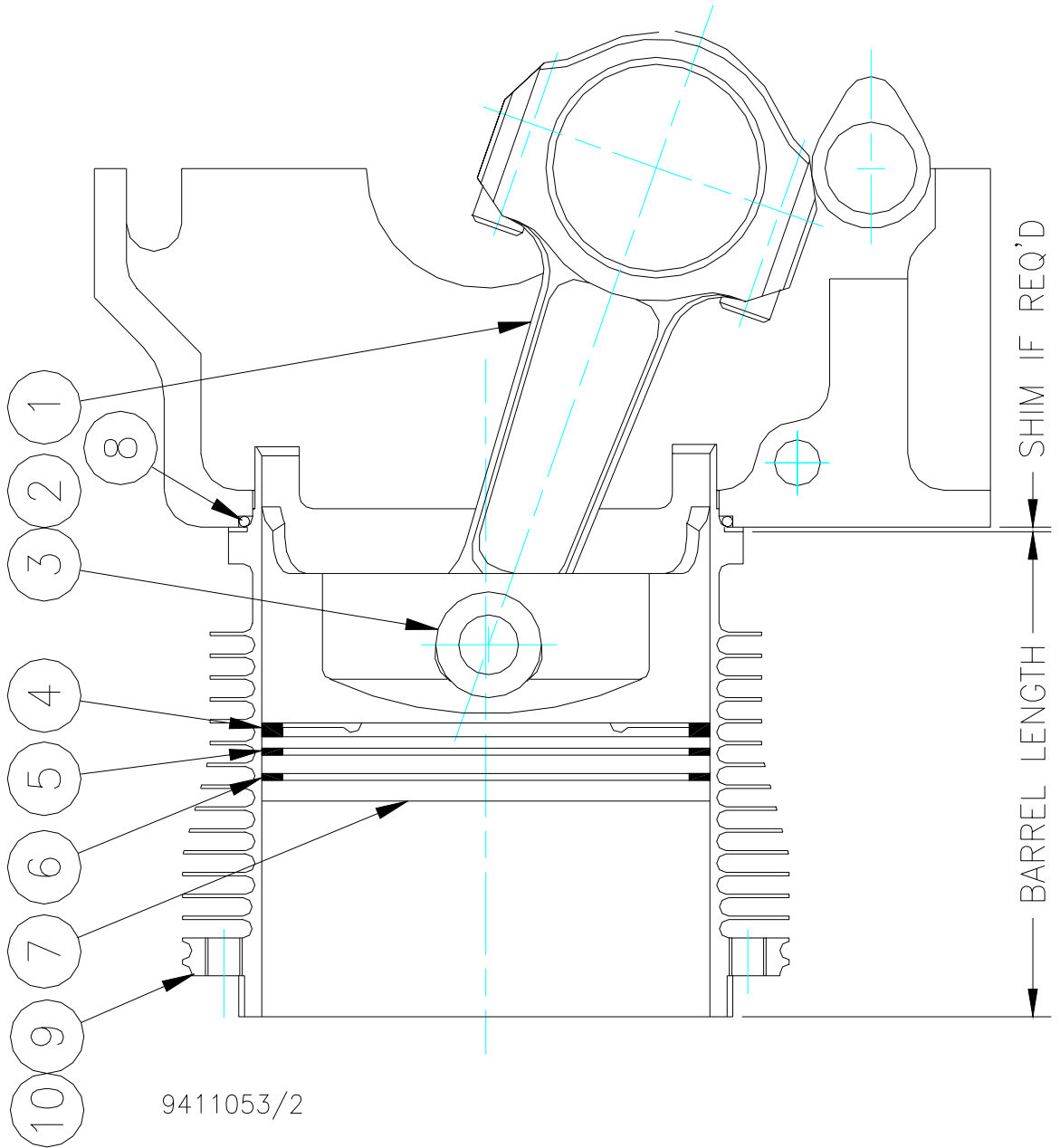
Section B- 2 -1

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Section C: CONROD PISTON AND BARREL

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	4651084	1	CONNECTING ROD ASSY	6	
			CONSISTS OF :-		
	4651183	2	CONNECTING ROD	1	NSS
	4651284	2	CAP CONNECTING ROD	1	NSS
	PB0055N		BEARING	0.25	NSS
	PH72E24	1	CAP SCREW 1 X 5/16 UNF	2	
	PB0045N		DOWEL	2	
2	4299054	4	GUDGEON PIN	6	
3	PG00454		CIRCLIP 23	12	
4	PG0055N		PISTON RING OIL SCRAPER	6	
5	PG0065N		PISTON RING #2	6	
6	PG0075N		PISTON RING #1	6	
	PG0085N		RING EXPANDER	12	
7	4685083	1	PISTON	6	
8	PG0025N		O'RING BS155V	6	
9	4554062	5	BARREL 106.5 (Shoulder Length)	6	
			BARREL 106.0		
			BARREL 105.5		
			BARREL 107.0		
10	4679084	1	SHIM BARREL 0.5 THICK		AS REQ'D
	467918N	1	SHIM BARREL 1.0 THICK		AS REQ'D
	467928N	1	SHIM BARREL 1.5 THICK		AS REQ'D

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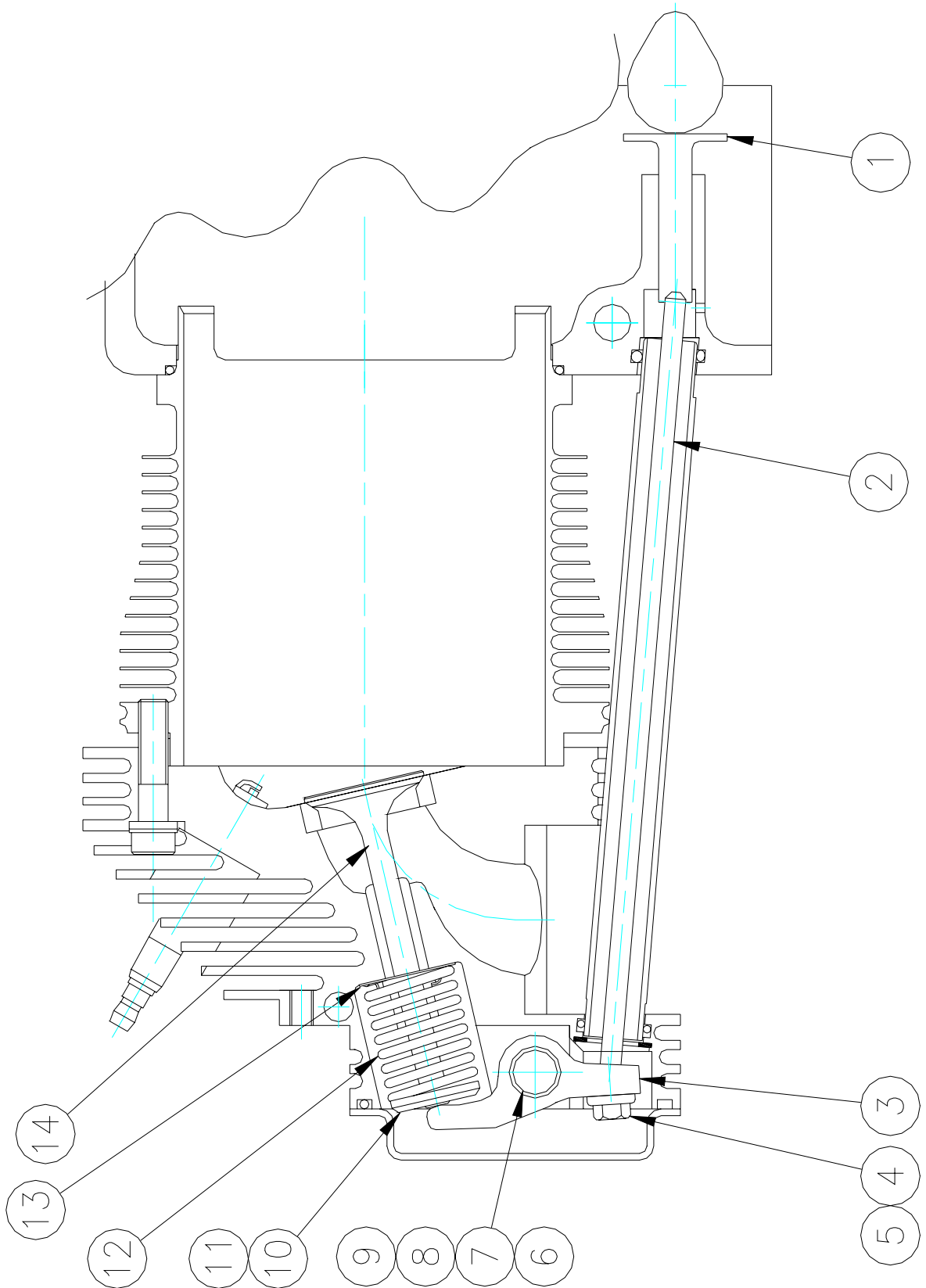


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Section D: VALVE ASSEMBLY

ITEM	PART #	ISS	DESCRIPTION	QTY
1	PG92324	1	VALVE LIFTER	12
2	4642084	2	PUSH ROD	12
3	4647084	1	ROCKER - TAPPET #1 LS	12
	464808N	1	ROCKER - TAPPET #1 RS	12
4	MS21042L6	1	LOCK NUT	12
5	4593074	3	ADJUSTING SCREW	12
6	4594074	2	ROCKER SHAFT	6
7	PG0158N		O'RING BS014V	12
8	PB0035N		BUSH	12
9	PH0505N		CAP SCREW 1 X 1/4UNC	6
10	4604074	1	TOP SPRING WASHER	12
11	4605074	2	VALVE COLLET	24
12	PG71E24	1	VALVE SPRING	12
13	PG71C24	1	VALVE SPRING BOTTOM SEAT	12
14	4595074	1	INLET VALVE	6
	4596074	1	EXHAUST VALVE	6

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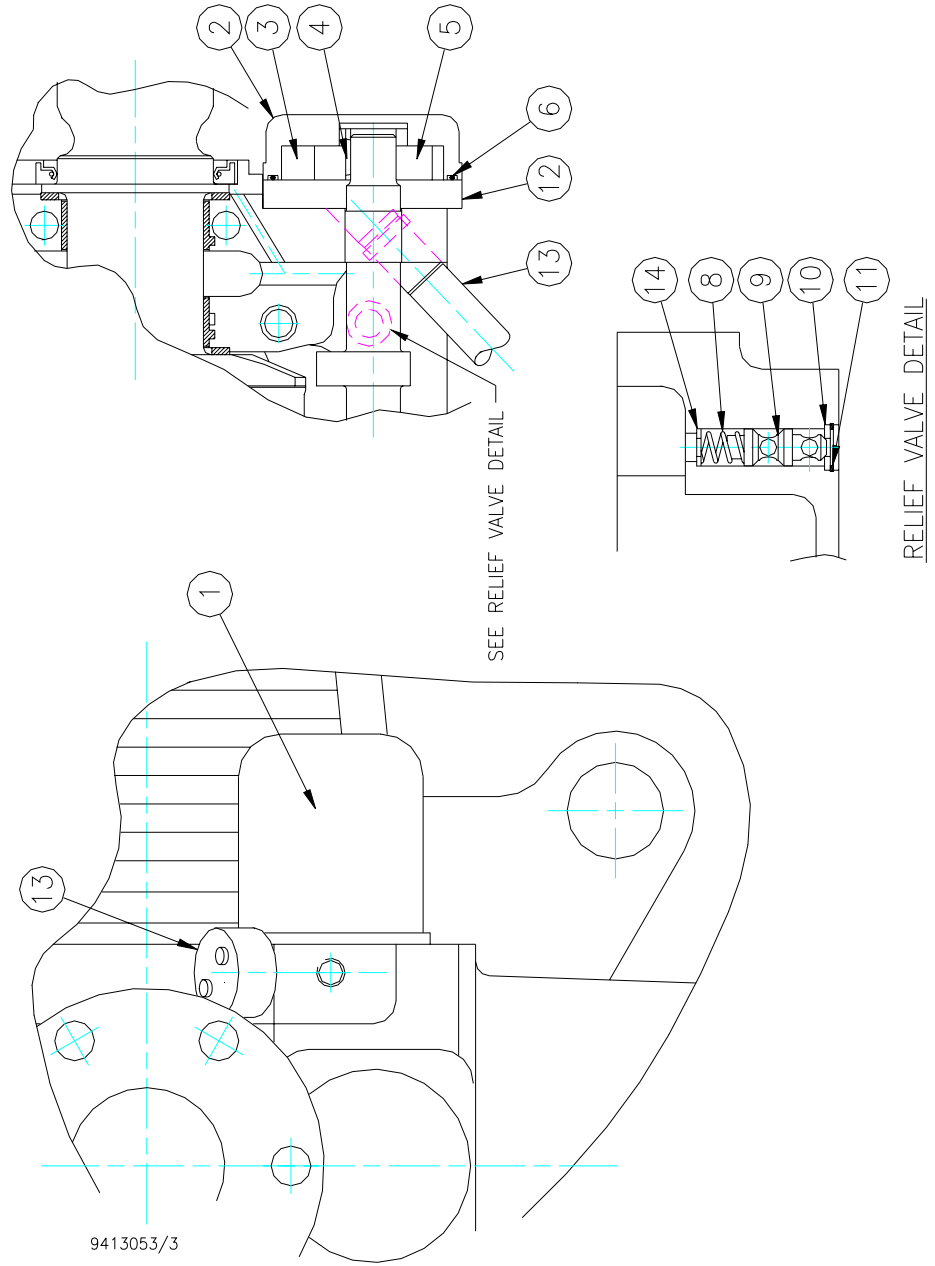
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Section E: LUBRICATION SYSTEM

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	PG10162N	1	OIL FILTER	1	
	4120534	2	FITTING - OIL FILTER	1	
2		1	OIL PUMP HOUSING	1	NSS
	PH0625N		CAP SCREW 1 1/4 X 5/16UNC	4	
3		1	OIL PUMP OUTER GEAR	1	NSS
4	PH115334	1	KEY WOODRUFF	1	
5		1	OIL PUMP INNER GEAR	1	NSS
6	PG10122N		'O'RING BS143V	1	
7	4280044	5	BACKING PLATE	1	
8	PX101324	1	SPRING PRESSURE RELIEF	1	
9	4536064	3	VALVE RELIEF	1	
10	PH06864	1	WASHER	1	
11	PH10142N		CIRCLIP	1	
12	PI10182N		OIL PRESSURE SENDER	1	
13	4649084	1	OIL PICKUP TUBE	1	
14	AN960-416		WASHER (OPTION)	1	

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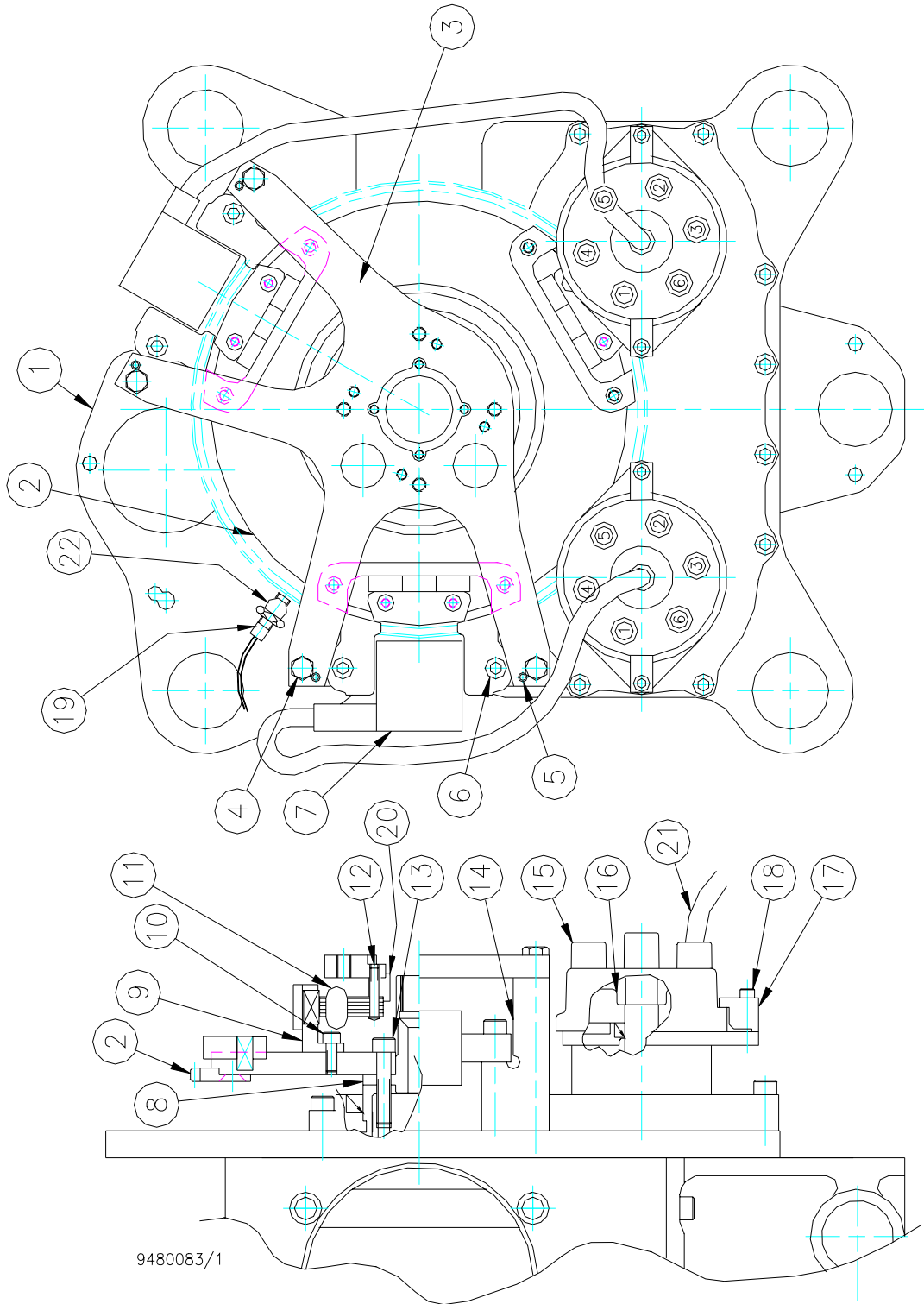


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Section F: FLYWHEEL & IGNITION SYSTEM

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	4628073	4	REAR PLATE ENGINE MOUNT	1	
2	4626073	1	FLYWHEEL ASSY	1	
			CONSISTS OF :-		
	4626173	1	FLYWHEEL	1	
	4315054	5	POLE PLATE CENTRE	3	NSS
	4316054	4	POLE PLATE OUTER	3	NSS
	PM0065N	1	MAGNET	9	NSS
	PH0747N		C'SK SKT SCREW 1/2 X 1032	12	NSS
	4066423	6	RING GEAR	1	
	PH64324		C'SK CAP SCREW 1/2" X 1/4UNC	6	
3	4627073	3	ALTERNATOR MOUNT	1	NSS
4	AN4-40A		BOLT	4	
5	PG9862		ROLL PIN 5/32 X 3/8	8	
6	PH0505N		CAP SCREW 1 X 1/4UNC	4	
7	PII0522N	1	COIL - IGNITION	2	
8	4646084	1	SPACER FLYWHEEL & VAC. DRIVE	1	
9	4532064	2	ALTERNATOR BODY ASSY	1	
			CONSISTS OF:-		
	4532164	3	ALTERNATOR BODY	1	
	PM0065N		MAGNET	10	
	4532264	2	RETAINING RING	1	
	PH10372N		ROLL PIN 5/8 X 1/8 DIA	4	
10	PH0696N		CAP SCREW 1/2 X 3/16 UNC	4	
11	4535064	1	STATOR ASSY	1	
12	MS35206-248		SCREW 7/8" LONG	4	
13	PH0656N		CAP SCREW 1 1/4 X 5/16 UNF	6	
14	4368054	3	MOUNTING BLOCK COIL & REAR PLATE	4	
15			CAP DISTRIBUTOR	2	
16			ROTOR	2	
17	4096124	4	CLIP DISTRIBUTOR CAP	4	
18	PH72B24		CAP SCREW 1 1/4 X 3/16 UNC	4	
19	PI11763N		TACHO SENDER	1	
20	4318054	4	SPACER STATOR MOUNTING	1	
21			HT LEAD KIT	1	
22	4389054	1	POST TACHO SENDER	1	

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Section G: INDUCTION SYSTEM

ITEM	PART #	ISS	DESCRIPTION	QTY
1		1	INDUCTION PIPE # 1 TOP	1
	4109824	2	GASKET	4
	PH72624		CAP SCREW 5/8 X 1/4UNC	12
2		1	INDUCTION PIPE # 3 TOP	1
3		1	INDUCTION PIPE # 2 TOP	1
4		1	INDUCTION PIPE # 4 TOP	1
5		1	INDUCTION PIPE # 3 BOTTOM	1
6	PV102924	1	HOSE INDUCTION	4
7	PG102924		CLAMP	8
8		1	INDUCTION PIPE # 1 BOTTOM	1
9	PG10332N		FUEL PUMP (Not illustrated)	1
	PH72624		CAP SCREW 5/8 X 1/4UNC	2
	4510054	2	PUSH ROD FUEL PUMP	1
	2650-8FG		FIRE SLEEVE	0.35
	PT0019N		FUEL HOSE	0.35
	PZ0059N		CLAMP	2
10		1	INDUCTION PIPE # 4 BOTTOM	1
11		1	INDUCTION PIPE # 2 BOTTOM	1
12	PG10412N		ADAPTOR FLANGE	1
13		2	CARBURETTOR ASSY	1
14	PG10212N		'O'RING BS124V	4
15	PH72624		CAP SCREW 5/8 X 1/4 UNC	4
16		3	HEAT SHIELD	1

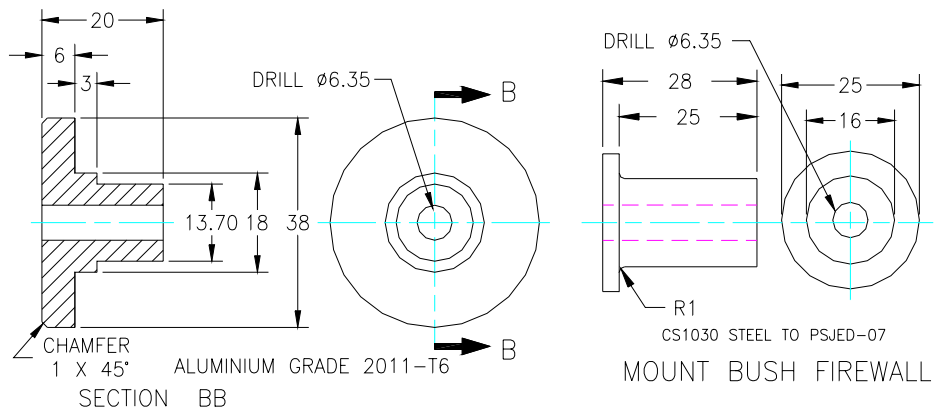
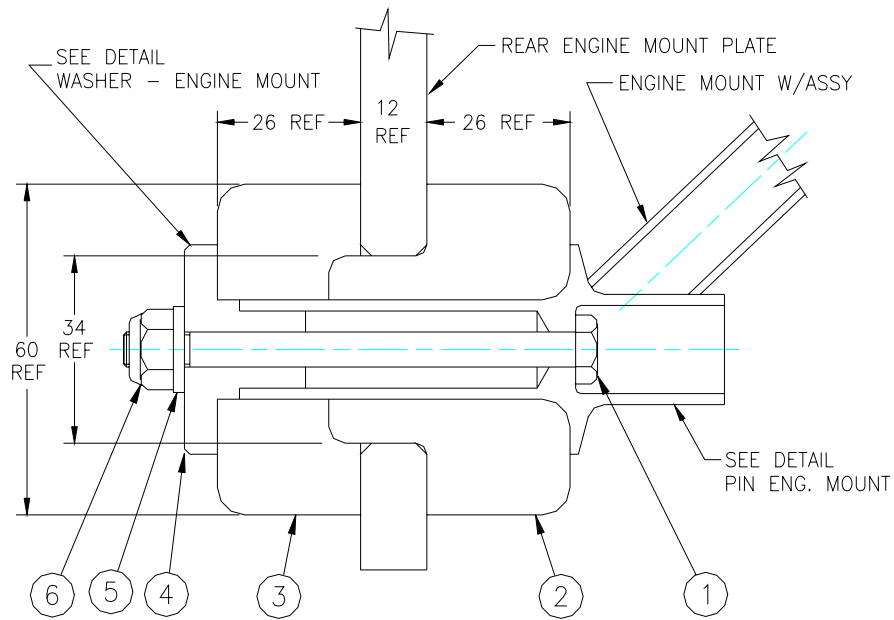
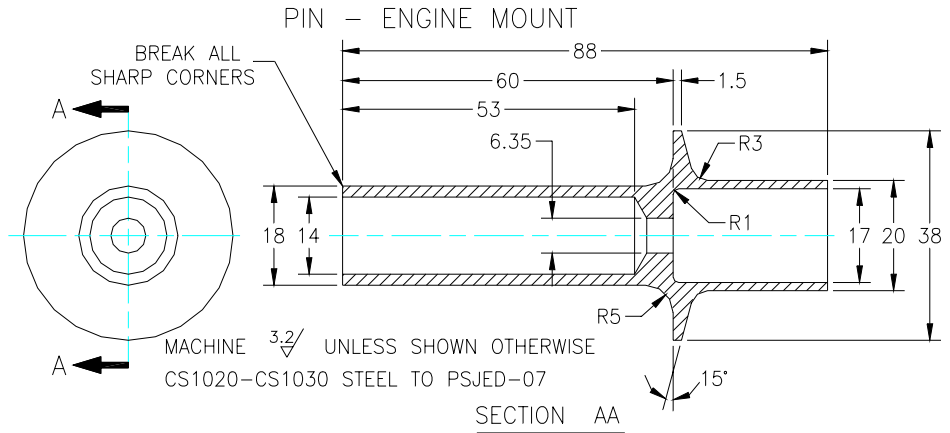
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Section H: ENGINE MOUNT ASSEMBLY

ITEM	PART #	ISS	DESCRIPTION	QTY
1	AN4-31A		BOLT	4
2	PG10712N		CUSHION MOUNT FEMALE	4
3	PG10722N		CUSHION MOUNT MALE	4
4	4094224	2	WASHER ENGINE MOUNT	4
5	AN960-416		WASHER	4
6	MS21042-4		NUT	4

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WASHER - ENGINE MOUNT

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Section I: EXHAUST & MUFFLER

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	4086124	3	FLANGE INLET & EXHAUST PIPE	4	NSS
	4103224	2	GASKET EXHAUST PIPE	4	
	PH72624		CAP SCREW 5/8 X 1/4 UNC	12	
2		1	EXHAUST PIPE #1	1	
3		1	EXHAUST PIPE #2	1	
4		1	EXHAUST PIPE #3	1	
5		1	EXHAUST PIPE #4	1	
6		1	MUFFLER ASSY	1	
7	PE01094	1	SPRING EXHAUST	4	

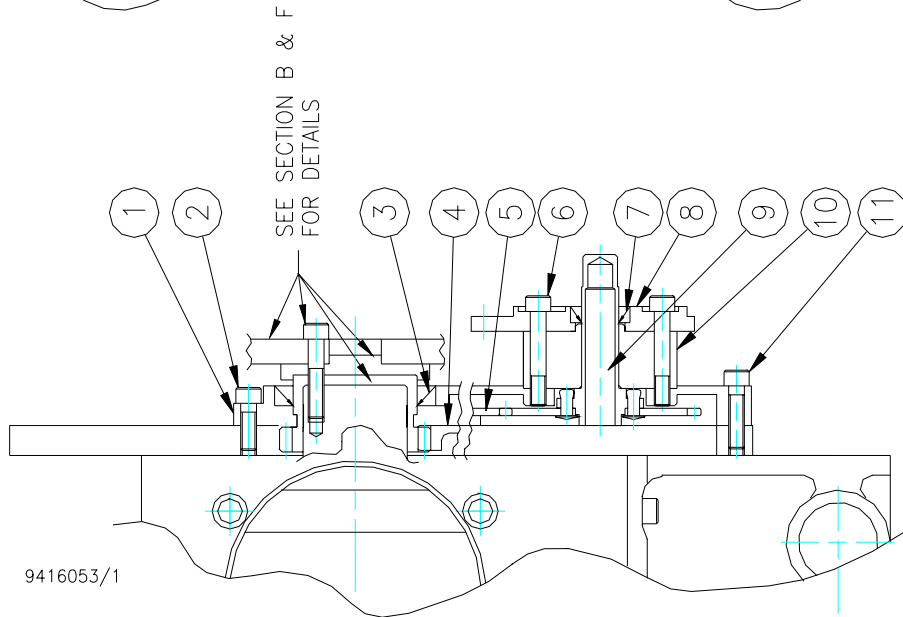
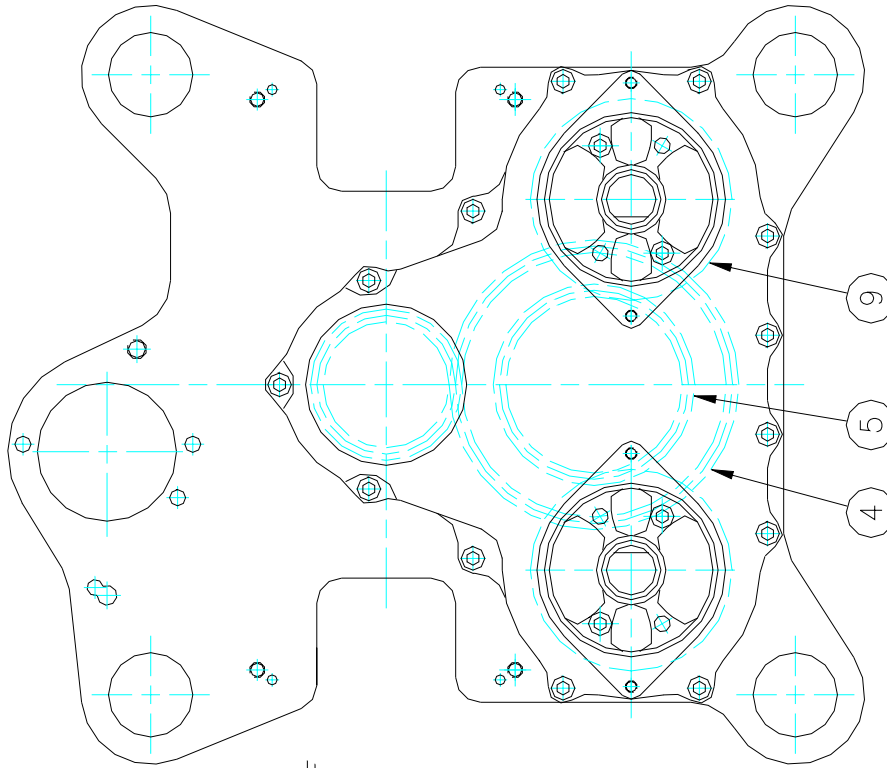
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Section J: GEARBOX ASSEMBLY

ITEM	PART #	ISS	DESCRIPTION	QTY	
1	4631073	2	GEAR HOUSING	1	
2	PH0535N		CAP SCREW 3/4 X 1/4UNC	3	
3	PG10612N		SEAL REAR	1	
4	4066123	4	GEAR INNER CAMSHAFT	1	
5	4333054	3	GEAR OUTER CAMSHAFT	1	
	PH100224		BOLT AN4H6A	4	
	4538064	2	SPACER CAM TIMING GEARS	1	
6	PH0595N		CAP SCREW 1 1/2 X 1/4UNC	4	
7	PG10622N		SEAL 15 X 24 X 7	2	
8	4656084	1	DISTRIBUTOR CAP MOUNTING PLATE	2	
9		1	DISTRIBUTOR DRIVE SHAFT ASSY	2	
	CONSISTS OF:				
	44653184	1	DISTRIBUTOR DRIVE SHAFT	1	NSS
	4333054	3	DISTRIBUTOR DRIVE GEAR	1	NSS
	PH0736N		RIVET	4	NSS
10	4632074	3	SPACER DISTRIBUTOR MOUNTING	2	
11	PH0505N		CAP SCREW 1 X 1/4UNC	8	
12	PH0595N		CAP SCREW 1 1/2 X 1/4UNC	2	

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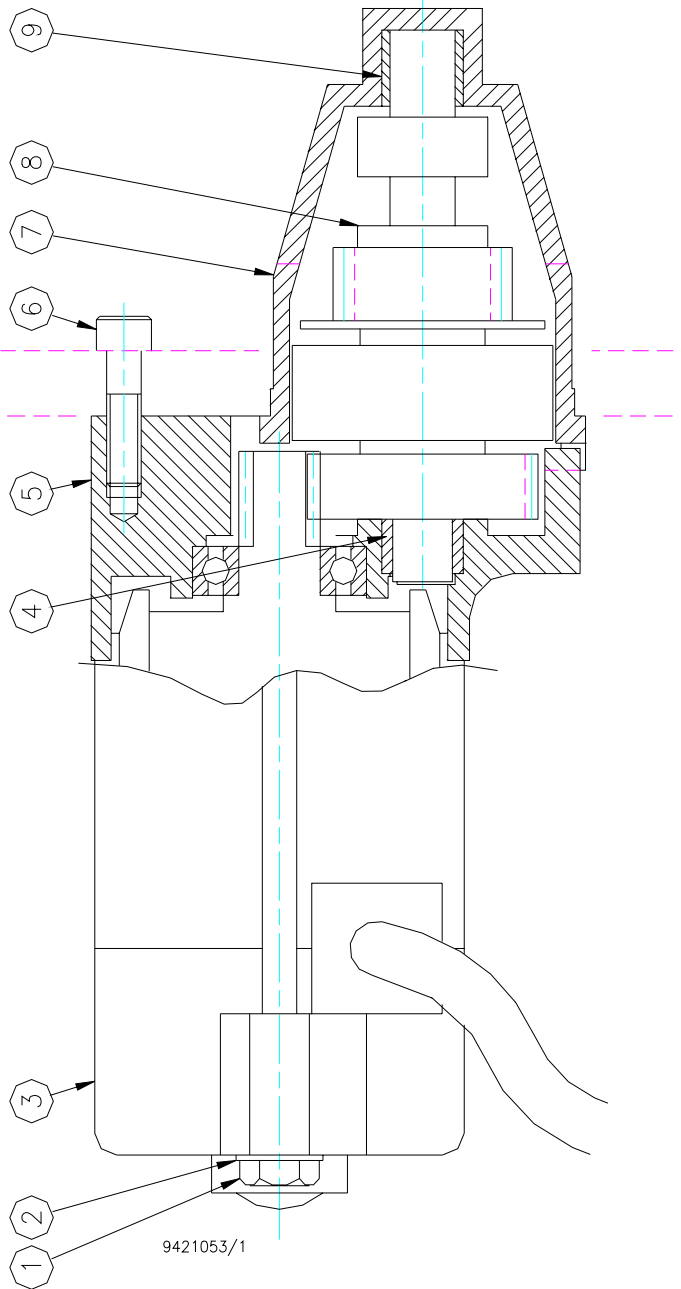
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Section K: STARTER MOTOR

ITEM	PART #	ISS	DESCRIPTION	QTY
1	AN4-53A		BOLT	2
2	AN960-416		WASHER	2
3	4505053	1	STARTER MOTOR REWORKED	1
4	4063324	4	BUSH INNER STARTER	1
5	4372153	3	HOUSING STARTER MOTOR	1
6	PH0505N		CAP SCREW 1/4 UNC X 1	3
7	4372253	4	CLUTCH HOUSING STARTER	1
8	PM6352N		STARTER CLUTCH	1
9	4063224	3	BUSH OUTER - STARTER	1

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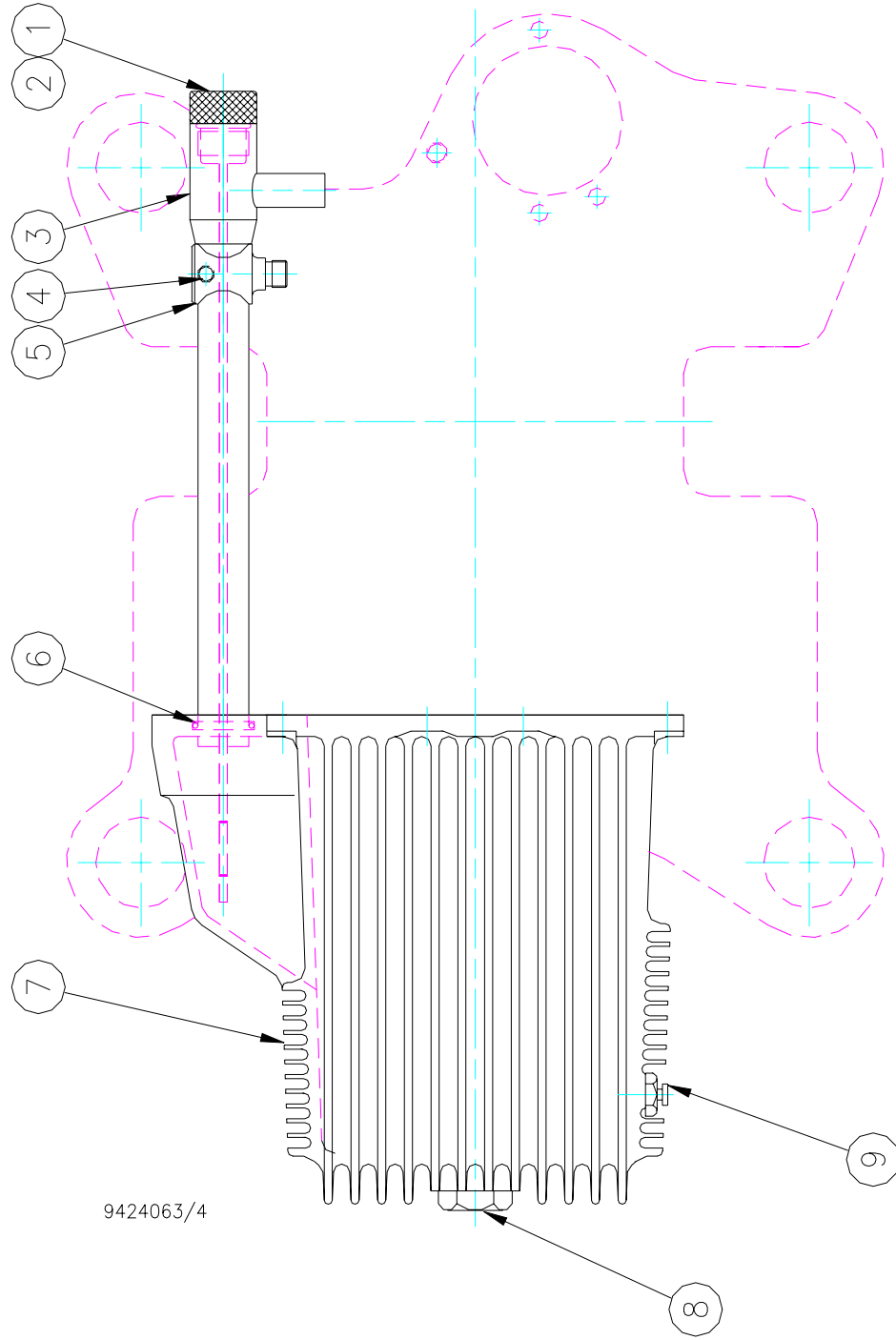
Section K- 2 -1

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Section L: SUMP DIPSTICK & BREATHER

ITEM	PART #	ISS	DESCRIPTION	QTY
1	4550064	2	DIPSTICK ASSY	1
2	PG10042N		O'RING BS114V	1
3	4585064	1	HOUSING ASSY	1
4	PH0636N		GRUB SCREW 1/4 UNF X 1/4	1
5	4586064	2	MOUNT ADAPTOR	1
6	PG0148N		O'RING BS116V	1
7	4635072	1	SUMP	1
8	PH117434		SUMP PLUG	1
9	PI10172N		TEMPERATURE SENDER	1

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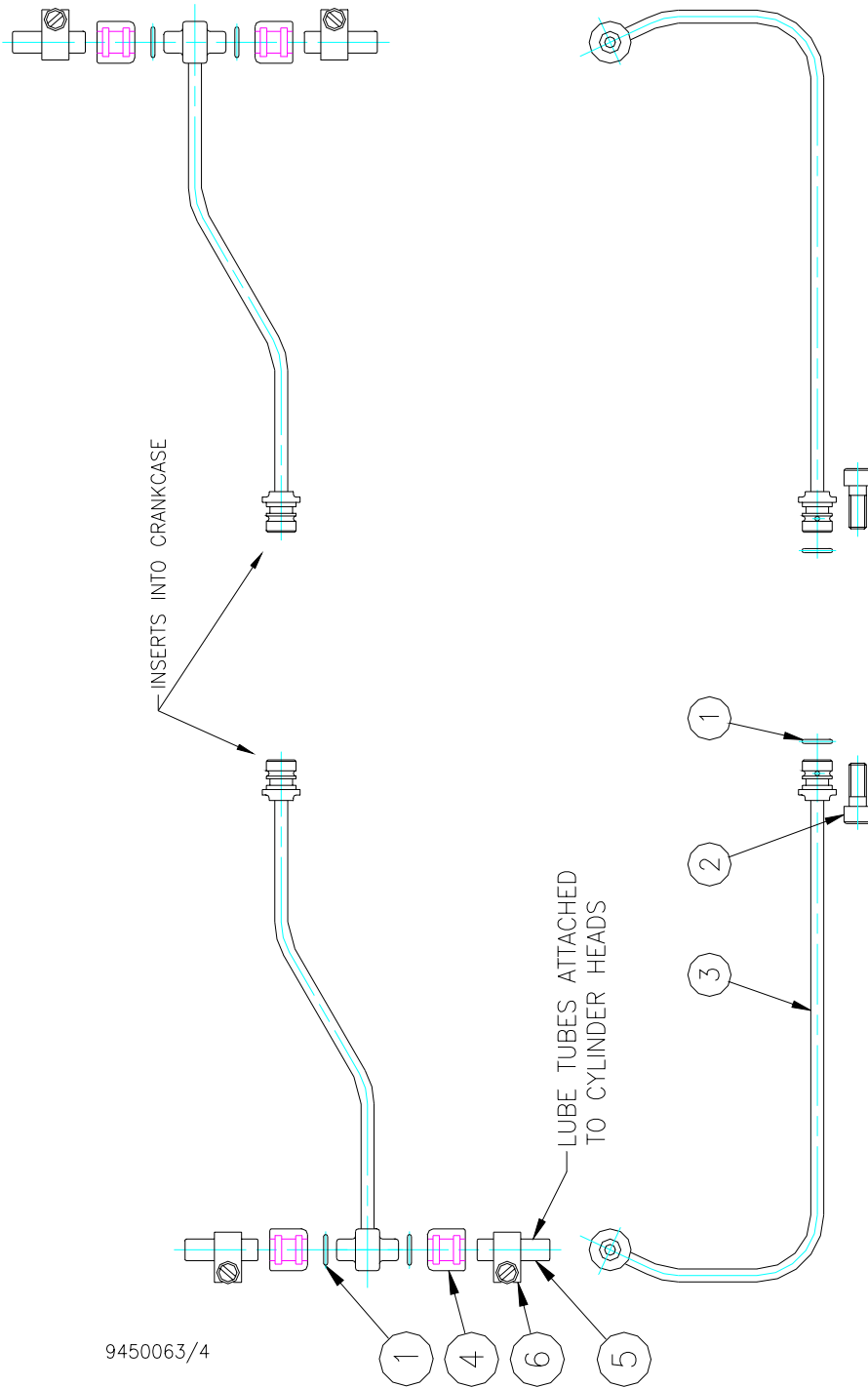


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Section M: ROCKER LUBRICATION & VENTING

ITEM	PART #	ISS	DESCRIPTION	QTY
1	PG0127N		O'RING BS011V	20
2	PH72624		CAP SCREW	4
3	4710084	1	ROCKER LUBE TUBE ASSY	4
4	4703084	1	COLLAR ROCKER LUBE	8
5	4686084	1	LUBE TUBE	8
6			HOSE CLAMP	8

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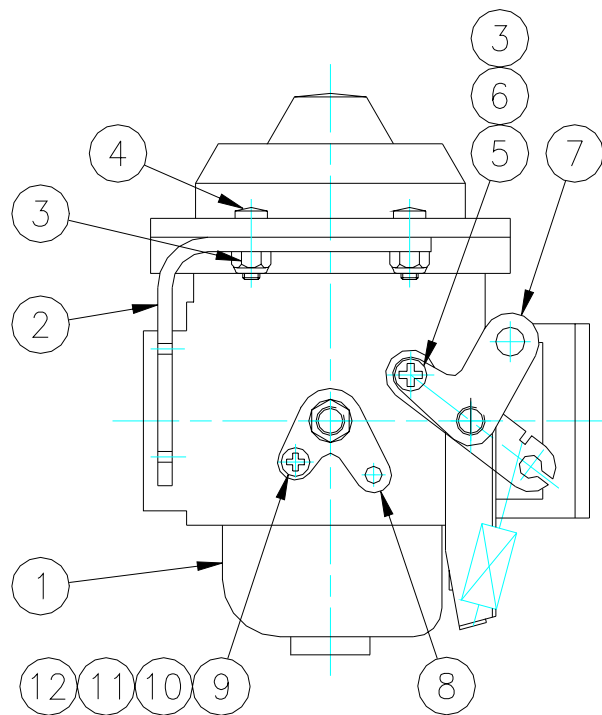


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Section N: CARBURETTOR ASSEMBLY

ITEM	PART #	ISS	DESCRIPTION	QTY
1	PG12003N		CARBURETTOR	1
2	4116834	3	CABLE MOUNT	1
3	MS21042L3		HEX NUT	3
4	MS27039-1-12		MACHINE SCREW	2
5	MS27039-1-10		MACHINE SCREW	1
6	4620074	1	SPACER CARBY LINKAGE	1
7	4116734	3	THROTTLE LEVER	1
8	4116634	1	CHOKE LEVER	1
9	AN960-10		WASHER	1
10	PH0757N		C'SUNK SCREW	1
11	PH0219N		FLAT WASHER	1
12	PH0767N		NUT	1

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Section O: MISCELLANEOUS ELECTRICAL

ITEM	PART #	ISS DESCRIPTION	QTY
	PI10652N	RECTIFIER / REGULATOR	1
	PI10662N	CABLE STARTER	1
	PI10672N	COUPLING CRIMP	1
	PI10682N	CABLE FITTING 5/16	1
	PI10692N	STARTER RELAY	1
	PI12497N	SOLENOID	1

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Alphabetical Index

Part #

Description

Location