

Instructions for Parts Books

The heading at the top of the page will be the same for the picture of the parts at it is for the page with the part numbers.

Definition of column headings on part number pages:

REF.No → The number referring to the part on the picture page of the parts book.

Part No. → The number assigned to this part at the time of printing the parts book.

Description → Discription of part.

Q'ty → Quantity of part used on that page.

S.No. → Serial number range of the equipment that this part will fit.

>= Your serial number should be greater than or equal to the number shown.

<= Your serial number should be lesser than or equal to the serial number shown.

I/C → Interchangeability of part shown.

↔ The part shown will work for the older and later serial number.

The part shown is not interchangeable with the other serial number.

← new for old

→ old for new

Remarks → Notes about this particulart part. Sometimes this may say except [FR] or [CA]

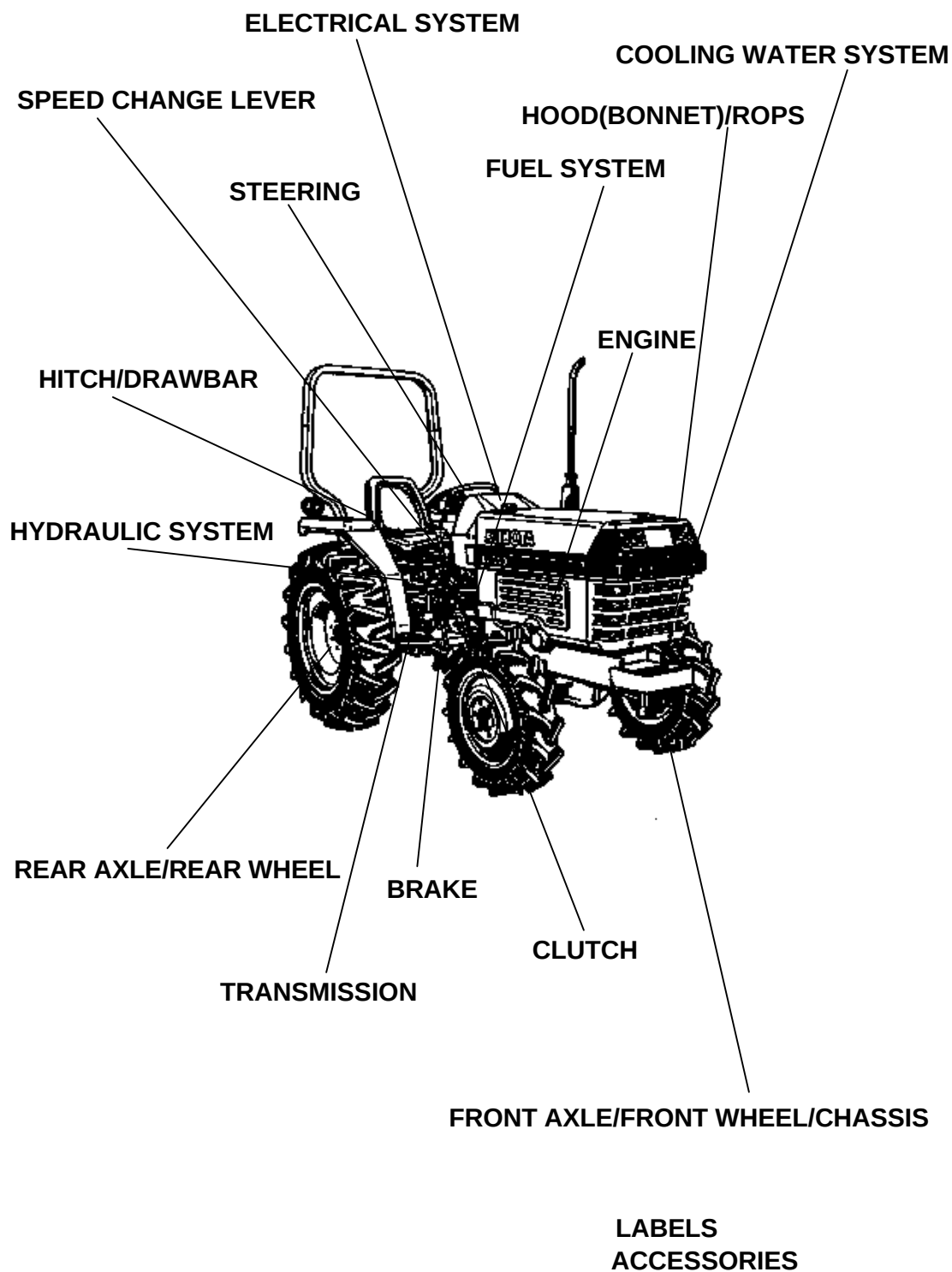
Note about Country Codes:

The parts books we use in the United States of America may also contain information about a part that would be different in another country. It is important that you are aware of the country codes in some instances.

Symbol	Country
A	United States of America
CA	Canada
FR	France
GR	Greece
PO	Portugal
AU	Australia

If the remarks column says for example EXCEPT [FR] this part works in all countries except France. That means it will work here in the USA.

ALL PRODUCT INDEX
L2500DT

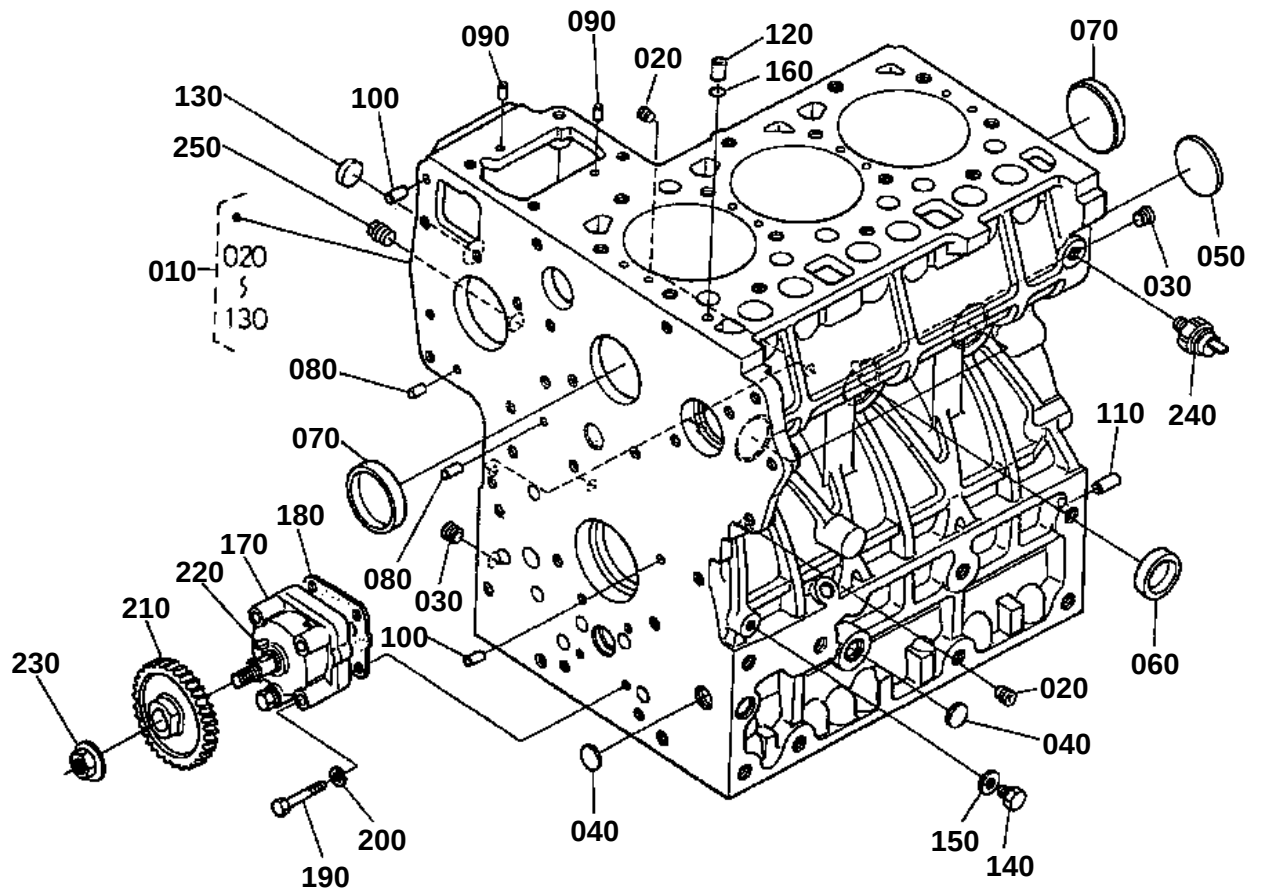


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CRANKCASE



16417-008-10

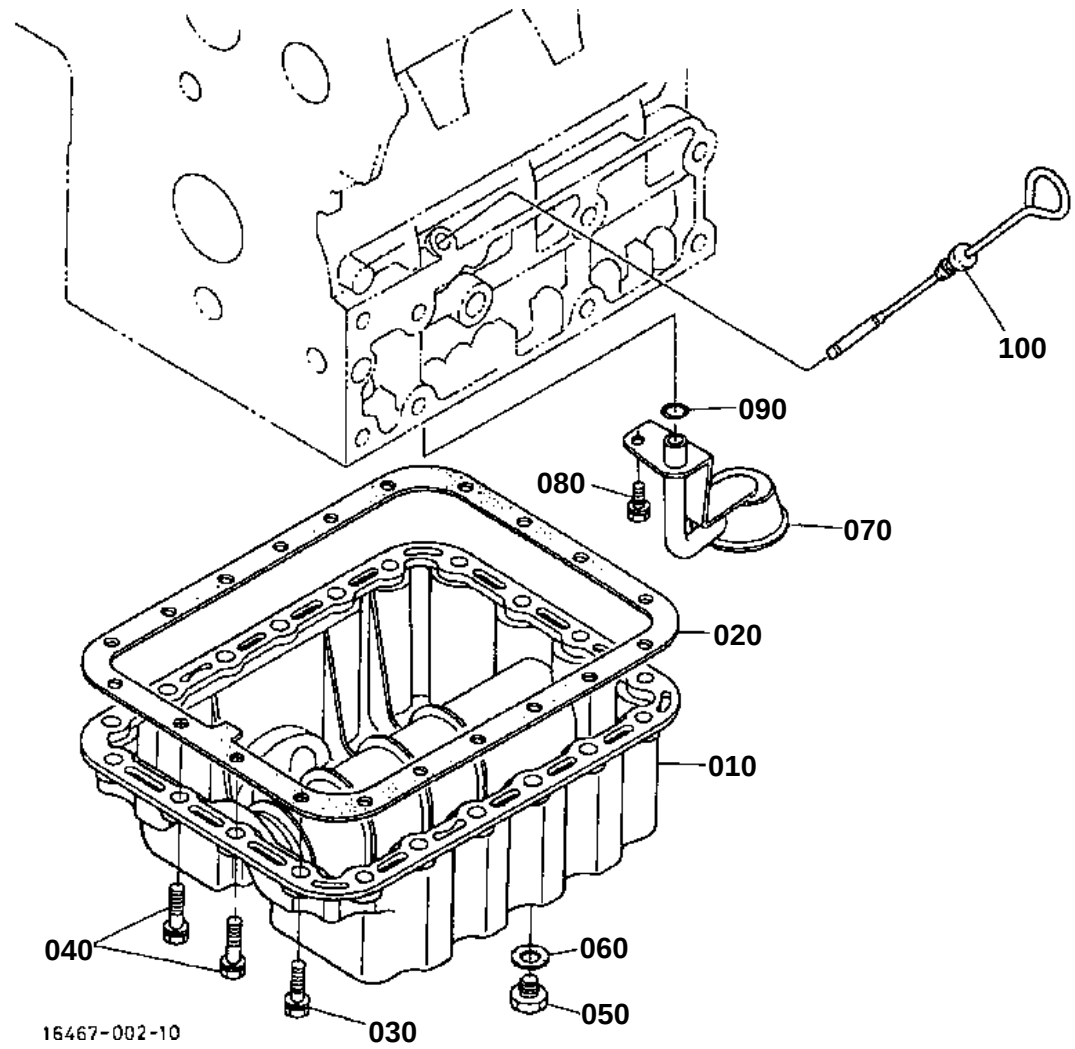


CRANKCASE

↔ Interchangeable; ≠ not interchangeable; ← new for old; → old for new

REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	16417-01010	COMP.CRANKCASE	1				48.5	106.7
020	15521-96020	PLUG	5				0.003	0.0066
030	15521-96030	PLUG	2				0.007	0.0154
040	17391-96160	PLUG EXPANSION	3				0.003	0.0066
050	06311-75045	PLUG EXPANSION	1				0.026	0.0572
060	15221-03380	CAP SEALING	5				0.017	0.0374
070	16111-03390	CAP SEALING	2				0.027	0.0594
080	05012-00408	PIN STRAIGHT	2				0.001	0.0022
090	05012-00609	PIN STRAIGHT	2				0.003	0.0066
100	05012-00612	PIN STRAIGHT	2				0.003	0.0066
110	05012-01018	PIN STRAIGHT	1				0.012	0.0264
120	15221-33650	PIN PIPE	1				0.004	0.0088
130	06311-85020	CAP SEALING	1				0.002	0.0044
140	15221-33610	PLUG	1				0.009	0.0198
150	15021-33660	GASKET	1				0.001	0.0022
160	15221-33700	O RING	1				0.001	0.0022
170	15471-35010	ASSY PUMP OIL	1				0	0
180	15296-35150	GASKET OIL PUMP	1				0.001	0.0022
190	01053-50650	BOLT	4				0.011	0.0242
200	04512-60060	WASHER SPRING	4				0.001	0.0022
210	19202-35660	GEAR OIL PUMP DRIVE	1				0.23	0.506
220	05712-00410	KEY FEATHER	1				0.001	0.0022
230	15221-35682	NUT FLANGE	1				0.014	0.0308
240	15531-39010	SWITCH OIL	1				0.032	0.0704
250	06312-10020	PLUG	1				0.015	0.033

OIL PAN

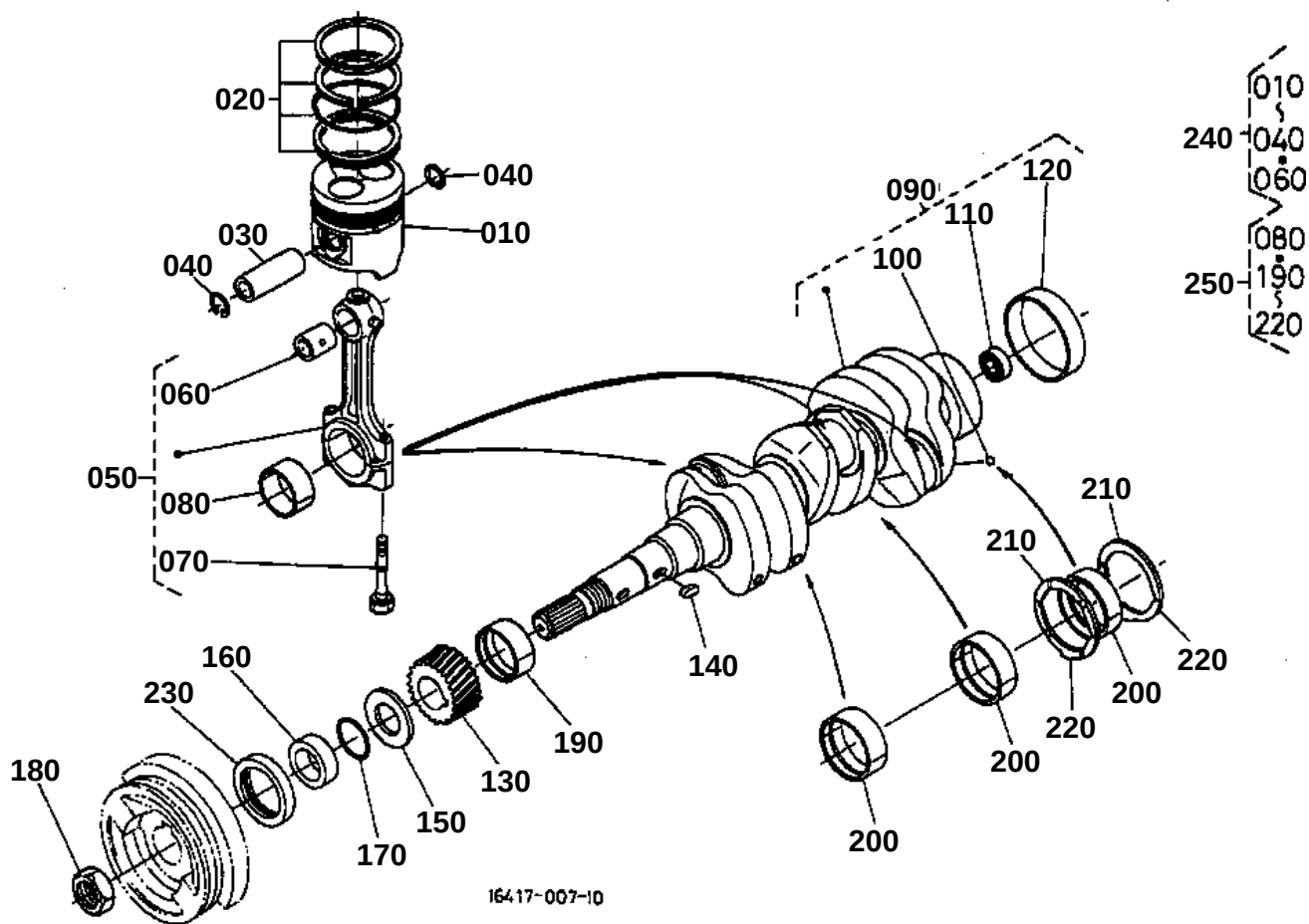




OIL PAN

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	15521-01610	OIL PAN	1				2.8	6.16
020	17326-01620	GASKET OIL PAN	1				0.02	0.044
030	01133-51028	BOLT	18				0.027	0.0594
040	01133-51025	BOLT	2				0.023	0.0506
050	15261-33750	PLUG	2				0.034	0.0748
060	15109-33660	GASKET	2				0.001	0.0022
070	16427-32110	FILTER OIL	1				0.2	0.44
080	01123-60814	BOLT	1				0.008	0.0176
090	04811-00160	O RING	1				0.001	0.0022
100	16427-36410	GAUGE OIL	1				0.035	0.077



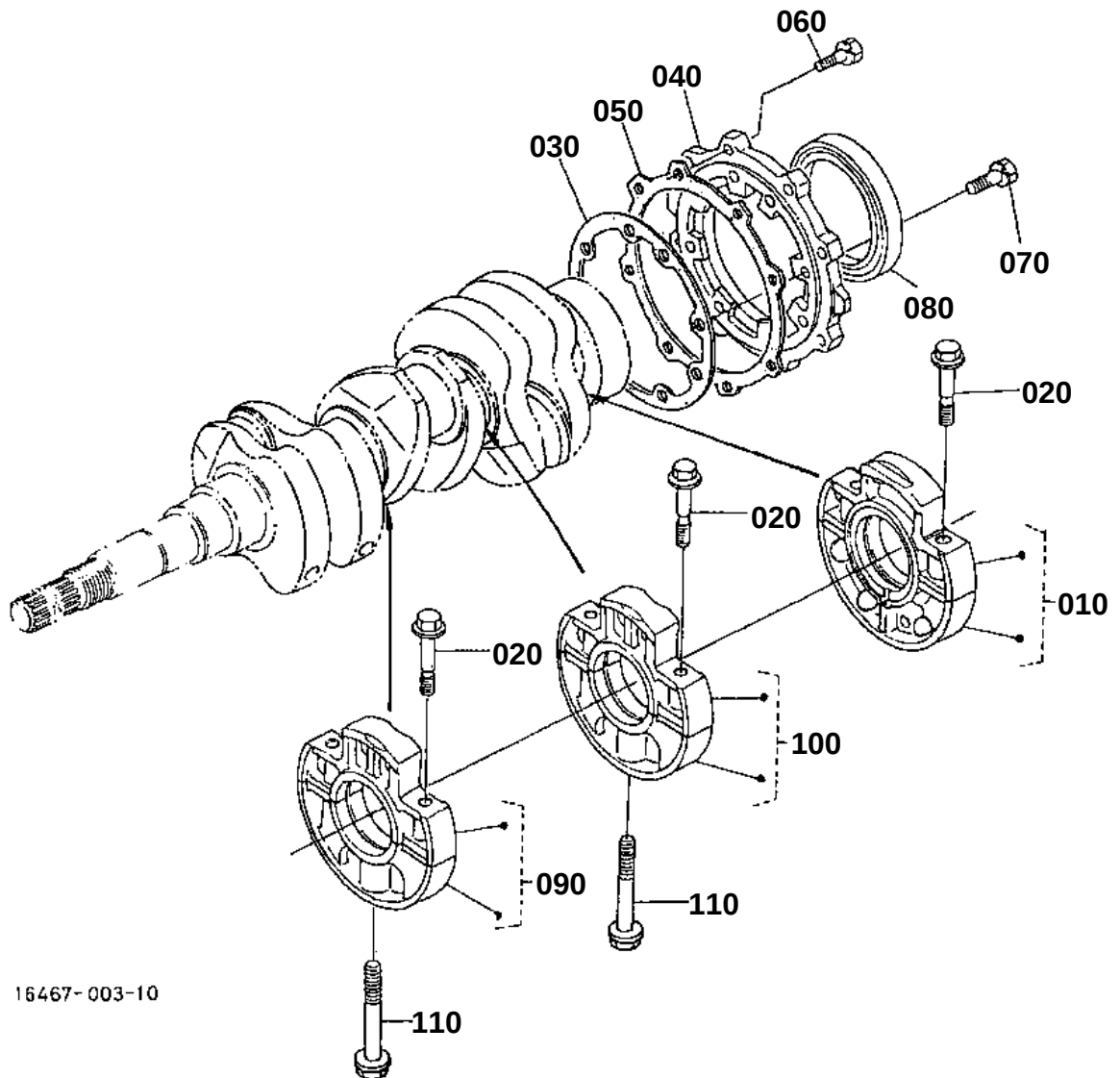


PISTON/CRANKSHAFT

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	16427-21110	PISTON	3			STD	0.5	1.1
010	16427-21910	PISTON	3			+0.50MM	0.5	1.1
020	16427-21050	ASSY PISTON RING	3			STD	0.055	0.121
020	16427-21090	ASSY PISTON RING	3			+0.50MM	0.06	0.132
030	14901-21310	PIN PISTON	3				0.17	0.374
040	14109-21330	CLIP PISTON PIN	6				0.015	0.033
050	17311-22010	ASSY CONNECTING ROD	3				0.885	1.947
060	17331-21980	BUSH PISTON PIN	3				0.025	0.055
070	15521-22142	BOLT CONNECTING ROD	3				0.026	0.0572
080	17311-22310	METAL CRANKPIN	3			STD	0.045	0.099
080	17331-22970	METAL CRANKPIN	3			-0.20MM	0.05	0.11
080	17331-22980	METAL CRANKPIN	3			-0.40MM	0.045	0.099
090	16467-23010	COMP.CRANKSHAFT	1				13	28.6
100	07715-00401	BALL	3				0.001	0.0022
110	08121-06002	BEARING BALL	1				0.03	0.066
120	19202-23280	SLEEVE CRANKSHAFT	1				0.09	0.198
130	15471-24110	GEAR CRANK	1				0.375	0.825
140	05712-00720	KEY FEATHER	1				0.008	0.0176
150	15471-23312	SLINGER OIL	1				0.008	0.0176
160	19202-23250	COLLAR CRANKSHAFT	1				0.065	0.143
170	04811-10300	O RING	1				0.001	0.0022
180	15221-23360	NUT CRANKSHAFT	1				0.11	0.242
190	17311-23470	METAL CRANKSHAFT	1			STD	0	0
190	17311-23910	METAL CRANKSHAFT	1			-0.20MM	0.05	0.11
190	17311-23920	METAL CRANKSHAFT	1			-0.40MM	0.06	0.132
200	17311-23480	METAL CRANKSHAFT	3			STD	0.045	0.099
200	17311-23930	METAL CRANKSHAFT	3			-0.20MM	0.05	0.11
200	17311-23940	METAL CRANKSHAFT	3			-0.40MM	0.06	0.132
210	15521-23530	METAL SIDE	2			STD	0.01	0.022
210	15221-23950	METAL SIDE	2			+0.20MM	0	0
210	15221-23960	METAL SIDE	2			+0.40MM	0.009	0.0198
220	19202-23540	METAL SIDE	2			STD	0.01	0.022
220	19202-23970	METAL SIDE	2			+0.20MM	0.01	0.022
220	19202-23980	METAL SIDE	2			+0.40MM	0.01	0.022
230	19202-04140	SEAL OIL	1				0.015	0.033
240	07916-27660	KIT PISTON-RING	3			STD	0.72	1.584
240	07916-27670	KIT PISTON-RING	3			+0.50MM	0.84	1.848
250	07916-28070	KIT METAL ENGINE	1			STD	0.35	0.77
250	07916-28720	KIT METAL ENGINE	1			-0.20MM	0.44	0.968
250	07916-28730	KIT METAL ENGINE	1			-0.40MM	0.44	0.968

MAIN BEARING CASE



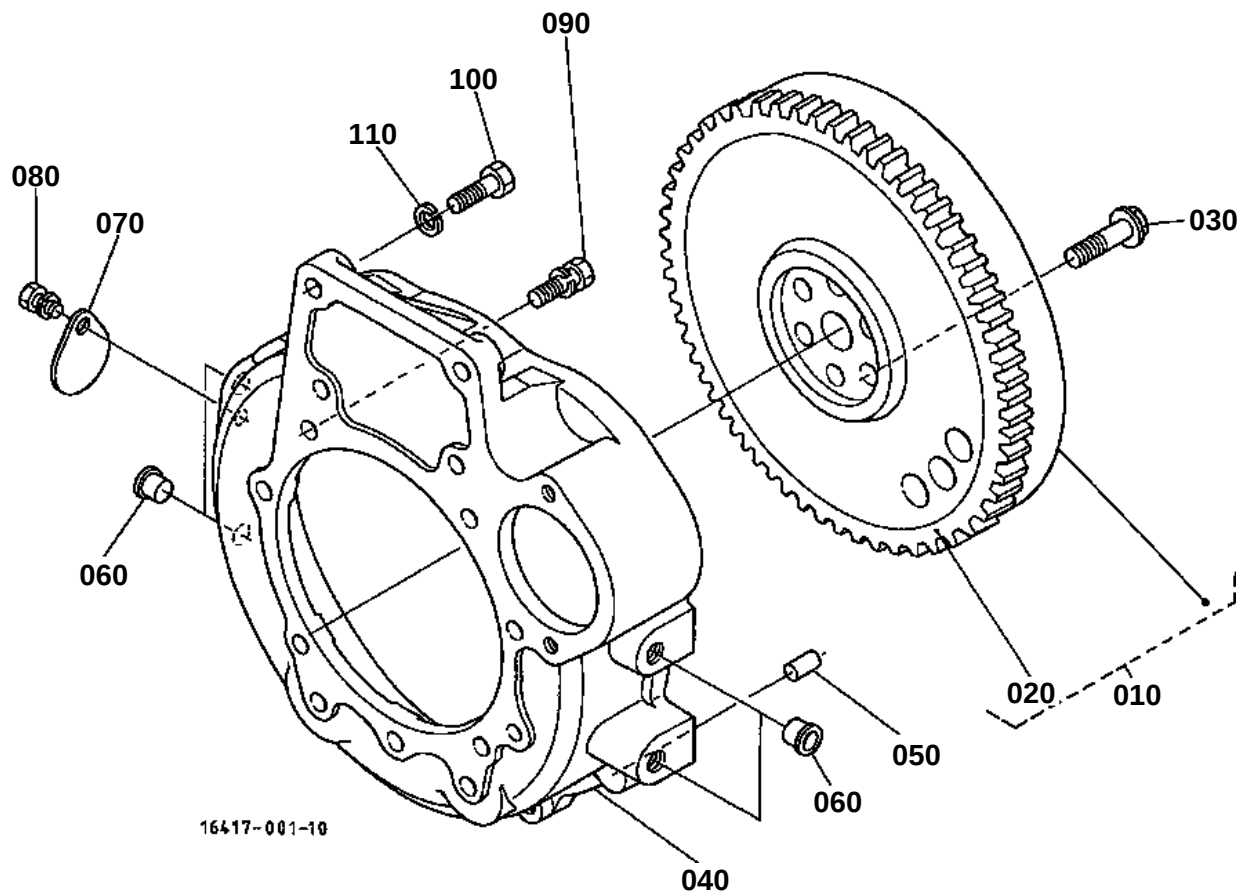


MAIN BEARING CASE

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	19013-04090	ASSY CASE MAIN BRG.	1				0	0
020	19013-04540	BOLT BEARING CASE	6				0.038	0.0836
030	19077-04360	GASKET BEARING CASE	1				0.004	0.0088
040	19013-04813	COVER BEARING CASE	1				0.41	0.902
050	17118-04830	GASKET BRG.CASE COV.	1				0.01	0.022
060	01123-50825	BOLT	8				0.013	0.0286
070	01123-50828	BOLT	8				0.014	0.0308
080	19202-04460	SEAL OIL	1				0.055	0.121
090	19013-04040	ASSY CASE MAIN BRG.	1				0	0
100	19013-04050	ASSY CASE MAIN BRG.	1				0	0
110	15601-04560	BOLT BEARING CASE	2				0.06	0.132

FLYWHEEL



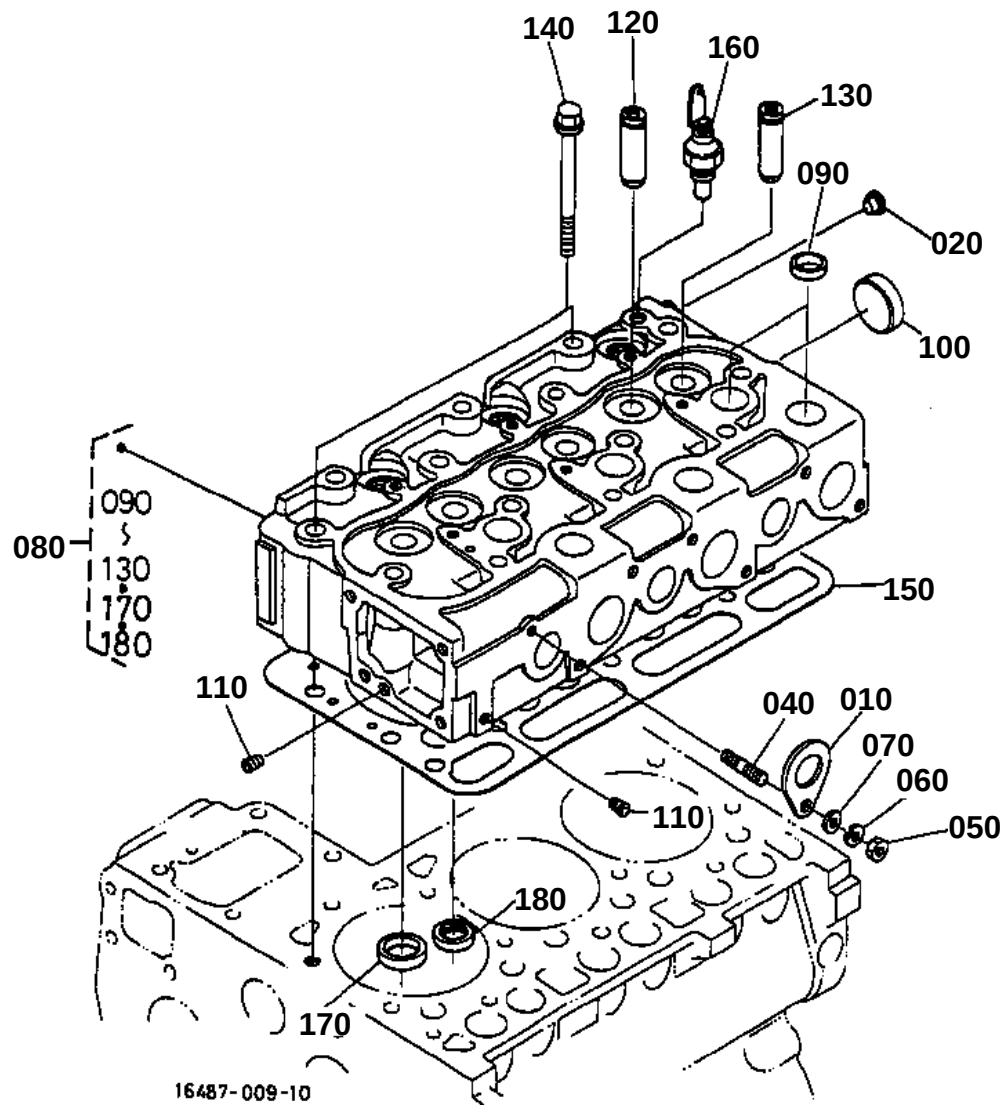


FLYWHEEL

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	16417-25010	COMP.FLYWHEEL	1				15.5	34.1
020	15221-63820	GEAR RING	1				1.2	2.64
030	15321-25163	BOLT FLYWHEEL	6				0.05	0.11
040	16417-04610	HOUSING FLYWHEEL	1				9	19.8
050	05012-01018	PIN STRAIGHT	2				0.012	0.0264
060	31220-14290	PLUG	4				0.002	0.0044
070	31220-14170	COVER	1				0.014	0.0308
080	01123-50812	BOLT	1				0	0
090	16427-91010	BOLT	11				0.004	0.0088
100	01073-51240	BOLT	2				0.049	0.1078
110	04512-60120	WASHER SPRING	2				0.005	0.011

CYLINDER HEAD



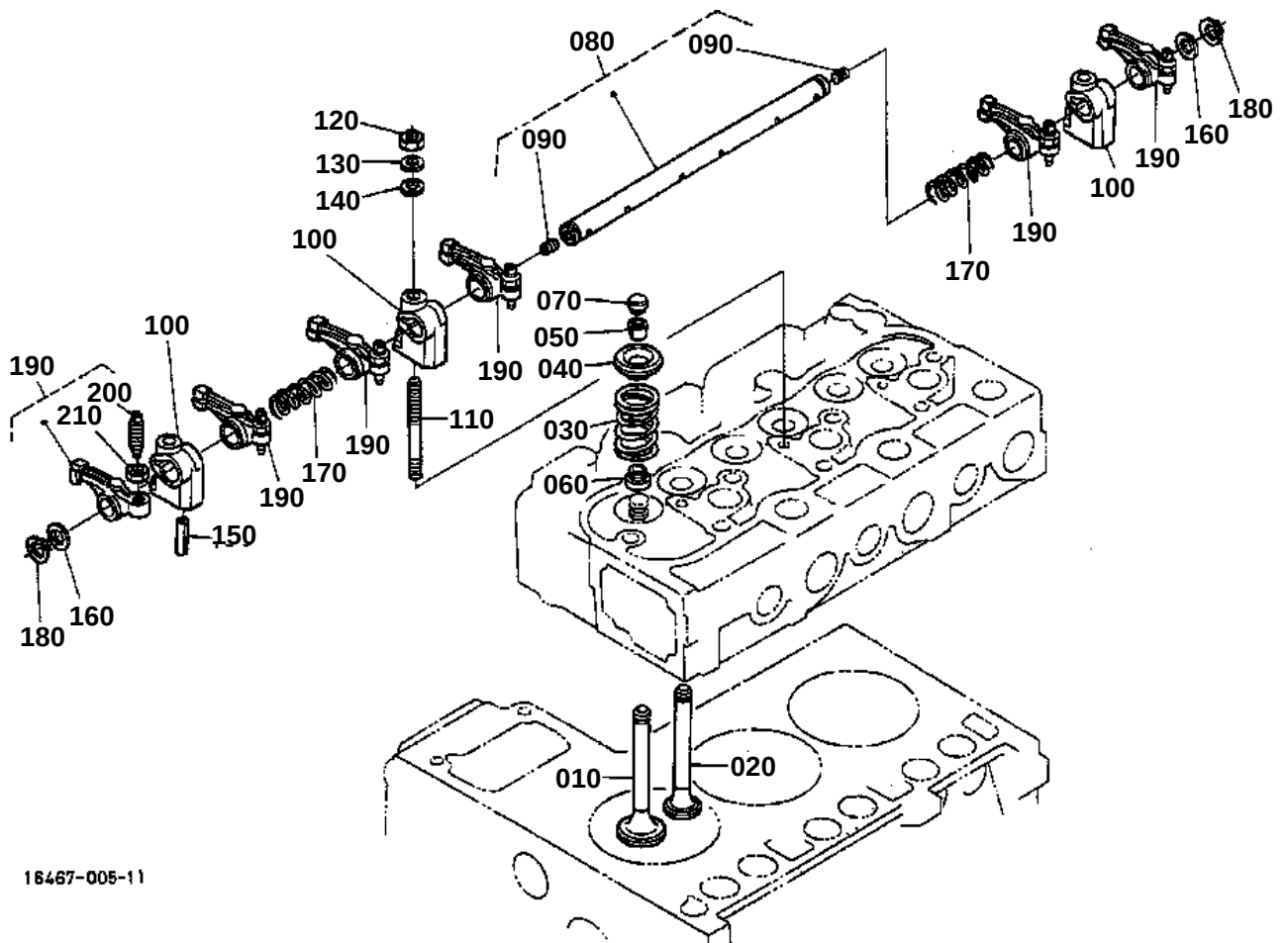


CYLINDER HEAD

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	15221-01750	HOOK ENGINE	1				0.04	0.088
020	09980-10075	CAP PROTECTOR	1				0.001	0.0022
040	15471-91530	STUD	1				0.01	0.022
050	02156-50080	NUT	1				0.004	0.0088
060	04512-60080	WASHER SPRING	1				0.002	0.0044
070	04012-50080	WASHER PLAIN	1				0.001	0.0022
080	16427-03040	COMP.CYLINDER HEAD	1				15.5	34.1
090	15221-03370	CAP SEALING	9				0.01	0.022
100	15221-03490	CAP SEALING	1				0.02	0.044
110	15261-96010	PLUG	2				0.002	0.0044
120	17321-13580	GUIDE INLET VALVE	3				0.015	0.033
130	17321-13560	GUIDE EXHAUST VALVE	3				0.02	0.044
140	19013-03450	BOLT CYLINDER HEAD	14				0.077	0.1694
150	16427-03310	GASKET CYL.HEAD	1				0.11	0.242
160	31351-32830	SENSOR THERMO	1				0.02	0.044
170	16415-13620	SEAT INLET VALVE	3				0.01	0.022
180	16415-13612	SEAT EXHAUST VALVE	3				0.01	0.022

VALVE AND ROCKER ARM

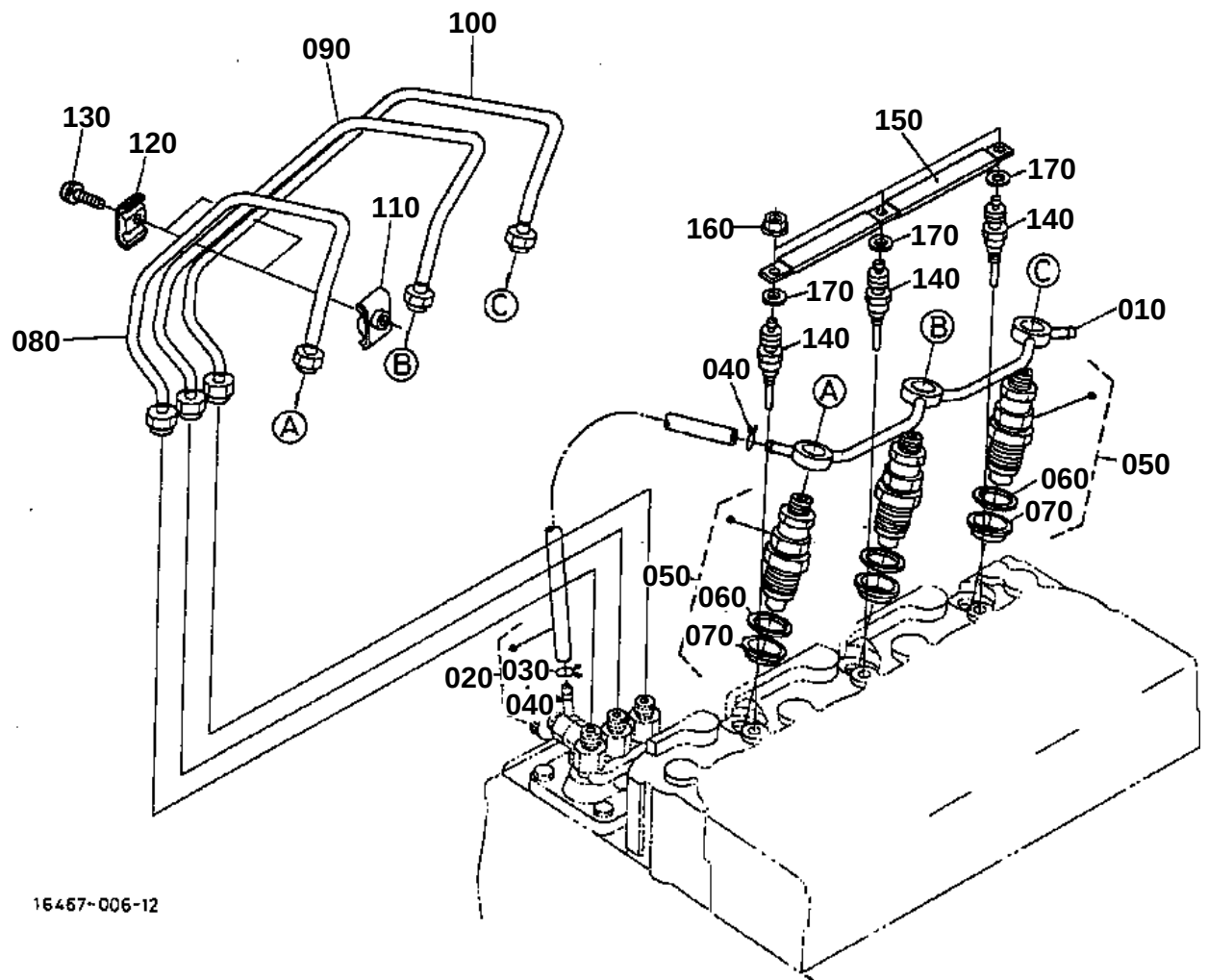




VALVE AND ROCKER ARM

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REF.No	Part No.	Description	Q'ty	S.No.	I/C	REMARKS	Weight (kgf)	Weight (lb)
010	16484-13110	VALVE INLET	3				0.05	0.11
020	16484-13120	VALVE EXHAUST	3				0.1	0.22
030	15221-13240	SPRING VALVE	6				0.036	0.0792
040	15221-13330	RETAINER VALVE SP.	6				0.03	0.066
050	15221-13360	COLLET VALVE SPRING	6				0	0
060	15221-13150	SEAL VALVE STEM	6				0.001	0.0022
070	15221-13280	CAP VALVE	6				0.006	0.0132
080	15321-14052	ASSY SHAFT R-ARM	1				0.235	0.517
090	03410-00808	SCREW SET	2				0.002	0.0044
100	15221-14350	BRACKET ROCKER ARM	3				0.044	0.0968
110	15521-91500	STUD	3				0.035	0.077
120	02156-50080	NUT	3				0.004	0.0088
130	04512-60080	WASHER SPRING	3				0.002	0.0044
140	04012-50080	WASHER PLAIN	3				0.001	0.0022
150	05411-00528	PIN SPRING	1				0.003	0.0066
160	15221-14430	WASHER R-ARM.SHAFT	2				0.002	0.0044
170	15221-14310	SPRING ROCKER ARM	2				0.005	0.011
180	04612-00140	CIRCLIP EXTERNAL	2				0.001	0.0022
190	15621-14030	ASSY ROCKER ARM	6				0.1	0.22
200	15521-14230	SCREW ADJUSTING	6				0.009	0.0198
210	15021-14240	NUT	6				0.003	0.0066



16467-006-12

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