

Promo No. 117

November 2017

# Caterpillar



3013C • 3024 • 3054 • 3056 • 3406C/E



HEADQUARTERS
KM Products Europe Ltd
KMP HOUSE
Hanworth Lane Business Park
Hanworth Lane - Chertsey
Surrey KT 16 9JX - ENGLAND
Tel. +44 (0) 1932 571991
Fax. +44 (0) 1932 571994







KMP \* USA LTD HOUSTON 1234 North Post Oak Suite 130 - Houston Texas 77055 - USA Toll free 1-888-256-7872 Tel. +1(713) 683 6160 Fax.+1(713) 683 9503 kmousa@kmobrand.com

KMP \* USA LTD MIAMI 1728 N.W. 82nd Ave, Doral , Florida 33126 USA Tel. +1(786) 502 3644 Fax.+1(786) 953 6563 kmpusa@kmpbrand.com

ww.kmpbrand.com

# GLOBAL PRESENCE & AVAILABILITY





www.kmpbrand.com

Spare parts suitable for



#### **CONTENTS**

CONTENT	PAGE
CATERPILLAR C1.5 SERIES	4
CATERPILLAR 3013C SERIES	7
CATERPILLAR C3.3 SERIES	11
CATERPILLAR C2.2 SERIES	15
CATERPILLAR 3024/3024C SERIES	19
CATERPILLAR 3054T SERIES	23
CATERPILLAR 3054NA SERIES	28
CATERPILLAR 3054DIT SERIES	31
CATERPILLAR 3054B (DINA) SERIES	37
CATERPILLAR 3054C & E SERIES	40
CATERPILLAR C4.4 SERIES	46
CATERPILLAR C4.4 ACERT SERIES	50
CATERPILLAR 3056 SERIES	53
CATERPILLAR 3056DIT SERIES	56
CATERPILLAR 3056 (DINA) SERIES	62
CATERPILLAR 3056T SERIES	67
CATERPILLAR 3056F SERIES	73
CATERPILLAR C6.6 ACERT SERIES	78
CATERPILLAR 3406C & E SERIES	82
CATERPILLAR C13 SERIES	89
CATERPILLAR C15 SERIES	95
CATERPILLAR C18 SERIES	100
CATERPILLAR CYLINDER BLOCK AND COMPONENTS	106
CATERPILLAR CYLINDER KIT AND COMPONENTS	108
CATERPILLAR CYLINDER HEAD AND COMPONENTS	116
CATERPILLAR CRANKSHAFT AND RELATED PARTS	123
CATERPILLAR CONROD AND RELATED PARTS	128
CATERPILLAR CAMSHAFT AND RELATED PARTS	131
CATERPILLAR GASKET KITS AND COMMON GASKETS	134
CATERPILLAR FUEL SYSTEM	141
CATERPILLAR OIL PUMP AND RELATED PARTS	145
CATERPILLAR COOLING SYSTEM	148
CATERPILLAR FILTERS	152
CATERPILLAR TURBOCHARGERS	154
CATERPILLAR FLYWHEEL RING GEARS	156
INDEX	158

#### **CONTENTS - BY APPLICATION**

Page(s)	Engine	Cyl.	Bore dia.	Selected Engine Applications
4	C1.5	3	84mm	GEN-SET  MARINE GEN-SET  INDUSTRIAL  COMPACTOR - VIBRATORY CB22 CB24 CC24 CB32
7	3013C	3	84mm	INDUSTRIAL COMPACTOR - VIBRATORY CB-214E CB-224E CB-225E CB-334E CB-335E
11	C3.3	3	105mm	INDUSTRIAL GEN-SET
15	C2.2	4	84mm	GEN-SET  MARINE GEN-SET INDUSTRIAL COMPACTOR - VIBRATORY CB34 CB34XW CC34 LOADER - MULTI TERRAIN 247B2 257B2 LOADER - SKID STEER 242B2 226B2 216B2 232B2 PAVER - SMALL TRACK 1.4M
19	3024-3024C	4	84mm	INDUSTRIAL LOADER - 902 COMPACT WHEEL LOADER - SKID STEER 216 216B 226 226B 232 232B 242 242B LOADER - MULTI TERRAIN 247B 247B2 257B 257B2 EXCAVATOR - 304.5 MINI HYDRAULIC COMPACTOR - VIBRATORY CB-334E CB-334EXW CB-335E
23	3054T	4	100mm	EXCAVATOR - 307 312 312B 315 315B 315C M315C 317 317N VEHICULAR TOOL CARRIER - IT14G
28	3054NA	4	100mm	INDUSTRIAL PAVER - ASPHALT AP300 AP-800C AP-800D AP-650B TELEHANDLER - TH62 TH63 TH82 TH83 TH103 TH210 TH215 TH220B TH330B TH340B TH350B TH355B TH460B TH560B TH580B
31	3054DIT	4	100mm	GEN-SET COMPACTOR - VIBRATORY CP-323C CS-323C CB-534C CS-433C CP-433C CS-433E CP-433E CS-433C CB-545 CB-535B CS-431C CB-434C CB-534B CB-534D CB-544 CB-434B PS150B PS300B PF300B CS-423E CS533E MATERIAL HANDLER
37	3054B(DINA)	4	103mm	LOADER - BACKHOE 414E 416B 416C 416D 416E 420D 420E 422E 424D 426B 426C 428C 428D 428E 430D 430E 432E 434E 436B 436C 438B 438C 442D 442E 444E MARINE GAS
40	3054C-3054E	4	105mm	TRUCK FORWARDER - 554 FOREST SWING MACHINE
46	C4.4	4	105mm	TRACTOR - TRACK TYPE D4K D5K D3K GEN-SET INDUSTRIAL LOADER - BACKHOE 420E 450E 430E 416E 428E 422E 444E 432E 416E 442E 434E COMPACTOR - VIBRATORY CS54 CB64 CS44 CP44
50	C4.4 ACERT	4	105mm	WHEEL LOADER - 914G INTEGRATED TOOL CARRIER PAVER - ASPHALT AP500E AP555E BG500E BG555E EXCAVATOR - M313D M315D MARINE GEN-SET

#### **CONTENTS - BY APPLICATION**

Page(s)	Engine	Cyl.	Bore dia.	Selected Engine Applications
53	3056	6	100mm	GEN-SET Forwarder - 574B 564
56	3056DIT	6	100mm	MATERIAL HANDLER - M318C Industrial
62	3056DINA	6	100mm	EXCAVATOR - M318C M322C M316C Marine
67	3056T	6	100mm	WHEEL LOADER - 924G 928G 930G Paver - Asphalt Ap-655C Ap-600 BB-760
73	3056E	6	100mm	TRUCK COMPACTOR - VIBRATORY CP-563E CS-573E CP-573E CP-663E CS-663E CS-683E CS-563E CS-573E CP-573E CS-583E
78	C6.6 ACERT	6	105mm	GEN-SET INDUSTRIAL PAVER - ASPHALT BG-655D BG-600D AP600D AP655D COMPACTOR - VIBRATORY CS56 CP56 CS64 CP64 CS76 CP76 CS74 CP74 SCRAPER TOOL CARRIER - IT38H MOTOR GRADER - 120M 12M TRACTOR - TRACK TYPE D6K D6N 953D 963D WHEEL LOADER - 924HZ 924H 938H 930H FOREST SWING MACHINE PIPELAYER - PL61 RIPPER BULLDOZER EXCAVATOR - M318D M316D M322D MATERIAL HANDLER - M318D M322D
82	3406C - 3406E	6	137.2	GEN-SET INDUSTRIAL WHEEL LOADER - 980C, 980F WHEEL TRACTOR SCRAPER 621F, 623E&F, 627F, LANDFILL COMPACTOR 826C TRUCK MARINE GEN-SET
89	C13	6	130mm	GEN-SET INDUSTRIAL EXCAVATOR - 345D L , 345C, WHEEL LOADER - 972H, 980M SHOVEL LOGGER 345C MATERIAL HANDLER W345C WHEEL TRACTOR SCRAPER 621H, 623H, 627H
95	C15	6	137.2mm	GEN-SET INDUSTRIAL PIPELAYER 583T, PL87, PL83 WHEEL SCRAPER 657G, MATERIAL HANDLER 365C EXCAVATOR 365C, 374D TRUCK
100	C18	6	145mm	GEN-SET INDUSTRIAL WHEEL TRACTOR SCRAPER 631 K, 637 K WHEEL LOADER 988 K WHEEL DOZER 834 K LANDFILL COMPACTOR 836 K EXCAVATOR 390 F COLD PLANER PM620, PM622 SHOVEL 6015 MARINE GEN-SET

#### **CATERPILLAR C1.5 SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Industrial / Machine / Genset		
Cylinder Block	341-3023*	1
Bushing, Crankshaft (Std.)	294-4916	1
Bushing, Crankshaft (0.25mm)	302-4181	1
Bushing, Crankshaft (0.50mm)	302-4182	1

CYLINDER KIT & COMPONENTS	PART No	QTY
INDUSTRIAL / MACHINE / GENSET		
(23.3:1 COMPRESSION RATIO)		
Cylinder Kit	KM5884	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	293-5884	3
Ring Set (Std.)	217-1456	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	6
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	293-5884B	3
Ring Set (0.50mm)	217-1456B	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	3

CYLINDER HEAD & COMPONENTS	PART No	QTY
Industrial		
Cylinder Head	235-6974*	1
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1861	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Seal, Valve Stem Inlet	153-5554	3
Seal, Valve Stem Exhaust	153-5559	3
Retainer, Valve Spring	153-5557*	6
Insert, Valve Seat Inlet	256-2084	3
Insert, Valve Seat Exhaust	256-2085	3
Cap, Valve Spring	322-7485	6

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY
Machine/Genset		
		_
Cylinder Head	311-1158*	1
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1861	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Seal, Valve Stem	440-5104	6
Retainer, Valve Spring	153-5557*	6
Insert, Valve Seat Inlet	256-2084	3
Insert, Valve Seat Exhaust	256-2085	3
Cap, Valve Spring	322-7485	6

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	311-1157*	1
Gear, Crankshaft (33 Teeth)	308-1853	1
Main Bearing Set (Std.)	156-6977	1
Main Bearing Set (0.25mm)	161-2628	1
Main Bearing Set (0.50mm)	161-2629	1
Thrust Bearing	154-1231	2
Seal Group, Oil Front	154-1675	1
Seal Group, Oil Rear	156-6973	1

CONROD & RELATED PARTS	PART No	QTY
Industrial / Machine		
Conrod	156-6980	3
Bushing, Conrod	154-0869	3
Bolt, Conrod	154-0870	6
Nut, Conrod	154-0871	6
Conrod Bearing Set (Std.)	156-6978	1
Conrod Bearing Set (0.25mm)	161-2630	1
Conrod Bearing Set (0.50mm)	161-2631	1

#### **CATERPILLAR C1.5 SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (Industial)	156-6996*	1
Camshaft (Industial)	240-0039*	1
Camshaft (Machine)	311-1165*	1
Camshaft (Genset)	342-8500*	1
Tappet	154-1249	6
Pushrod (Valve)	160-3534	6

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, O/Haul	252-1789	1
Gasket, Cylinder Head (1.4mm)	218-8537	1
Gasket Kit, O/Haul	252-1827	1
Gasket, Cylinder Head (1.3mm)	218-8533	1
Gasket, Cylinder Head (1.4mm)	218-8537	1
Gasket, Rocker Cover	235-5531	1
Gasket, Rocker Housing	235-7012	1
Gasket, Oil Pan	215-2604	1
Gasket, Manifold	161-8282	1
Gasket, Manifold	311-1173	1
Gasket Kit, O/Haul	155-8078	1
Gasket, Cylinder Head (1.4mm)	218-8537	1
Gasket, Rocker Cover	254-6030*	1
Gasket, Rocker Housing	156-6993*	1
Gasket, Oil Pan	215-2604	1
Gasket, Manifold	161-8282	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer (Industial/Machine)	183-4320*	1
Pump Assy, Fuel Transfer (Industrial)	295-4070	1
Injector (Industial/Machine/Genset)	252-1466	3
OIL PUMP & RELATED PARTS		
Oil Pump	339-3017	1
Oil Cooler (Engine)	245-1361	1

COOLING SYSTEM	PART No	QTY
Industrial		
Water Pump Assy	311-0053	1
Thermostat	251-7660	1
Machine		
Water Pump Assy	439-4992*	1
Thermostat	251-7660	1

FILTERS	PART No	QTY
Oil Filter	220-1523	1
Fuel Filter	033-7854	1
Fuel Filter	067-6987*	1
Fuel Filter	150-4142*	1
Fuel Filter	243-6411*	1
Water separator Filter Assy	276-1804*	1
Water separator Element	276-1806*	1

TURBOCHARGER	PART No	QTY
Turbo (Machine)	424-9839*	1

FLYWHEEL RING GEAR	PART No	QTY
Gear, Flywheel Ring Gear (109 Teeth)	156-6960*	1

\* please check with KMP sales for availability



#### **CATERPILLAR C1.5 SERIES - EOK KITS**

KMP293-5844 FOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1789	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

KMP293-5844.EOK-E		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1827	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# Engine Overhaul Kits



### **CATERPILLAR 3013C SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Industrial/Machine		
Cylinder Block	341-3023*	1
Bushing, Crankshaft (Std.)	294-4916	1
Bushing, Crankshaft (0.25mm) Bushing, Crankshaft (0.50mm)	302-4181 302-4182	1
Cylinder Block S/N 3131-99999	246-7892*	1
Bushing, Crankshaft S/N 3131-99999	304-3560	1

CYLINDER KIT & COMPONENTS	PART No	QTY
INDUSTRIAL (23.3:1 COMPRESSION RATIO)		
MACHINE		
Cylinder Kit	KM5884	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	293-5884	3
Ring Set (Std.)	217-1456	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	6
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	293-5884B	3
Ring Set (0.50mm)	217-1456B	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	6
INDUSTRIAL		
Cylinder Kit	KM8456	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	290-8456*	3
Ring Set (Std.)	290-8458	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	6
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	3
Piston Assy (Includes Pin, Clips and Ring set)		
(0.50mm)	290-8456B*	3
Ring Set (0.50mm)	290-8458B*	3
Piston Pin	154-0873	3
Retainer, Piston Pin	154-0874	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Industrial / Machine		
illuositiui / mucilille		
Cylinder Head	235-6974*	1
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1861	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Seal, Valve Stem	440-5104	6
Retainer, Valve Spring	153-5557*	6
Insert, Valve Seat Inlet	256-2084	3
Insert, Valve Seat Exhaust	256-2085	3
Cap, Valve Spring	322-7485	6
Industrial S/N 3131-99999		
Cylinder Head	231-2072*	1
Valve, Inlet	231-2070	3
Valve, Exhaust	153-5555	3
Collet, Valve	153-5556	12
Spring, Valve	153-5558	6
Seal, Valve Stem	440-5104	6
Retainer, Valve Spring	153-5557*	6
Insert, Valve Seat Inlet	256-2084	3
Insert, Valve Seat Exhaust	256-2085	3
Cap, Valve Spring	322-7485	6
Industrial		
Cylinder Head	311-1158*	1
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1861	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Seal, Valve Stem	440-5104	6
Retainer, Valve Spring	153-5557*	6
Insert, Valve Seat Inlet	256-2084	3
Insert, Valve Seat Exhaust	256-2085	3
Cap, Valve Spring	322-7485	6



Piston Assembly, including Piston, Rings and Clips

#### **CATERPILLAR 3013C SERIES**

CRANKSHAFT & RELATED PARTS	PART No	QTY
Industrial S/N 3131-99999		
Crankshaft	313-2027*	1
Gear, Crankshaft (54 Teeth)	356-3225*	1
Main Bearing Set (Std.) S/N 3131-99999	304-4764	1
Main Bearing Set (0.25mm) S/N 3131-99999	304-4764A	1
Industrial		
Crankshaft	311-1157*	1
Gear, Crankshaft (33 Teeth)	308-1853	1
Main Bearing Set (Std.)	156-6977	1
Main Bearing Set (0.25mm)	161-2628	1
Main Bearing Set (0.50mm)	161-2629	1
Thrust Bearing	154-1231	2
Seal Group, Oil Front	154-1675	1
Seal Group, Oil Rear	156-6973	1
Seal Group, Oil Rear	231-8819*	1
Machine		
Crankshaft	235-6962*	1
Gear, Crankshaft (33 Teeth)	154-1202*	1
Main Bearing Set (Std.)	156-6977	1
Main Bearing Set (0.25mm)  Main Bearing Set (0.50mm)	161-2628 161-2629	1
muni bearing ser (0.30mm)	101-2027	ı
Thrust Bearing	154-1231	2

CONROD & RELATED PARTS	PART No	QTY
Industrial / Machine		
Conrod	156-6980	3
Bushing, Conrod	154-0869	3
Bolt, Conrod	154-0870	6
Nut, Conrod	154-0871	6
Conrod Bearing Set (Std.)	156-6978	1
Conrod Bearing Set (0.25mm)	161-2630	1
Conrod Bearing Set (0.50mm)	161-2631	1
S/N 3131-99999		
Conrod	231-3870*	3
Bushing, Conrod	153-5536	3
Bolt, Conrod	153-5537*	6
Nut, Conrod	153-5538*	6
Conrod Bearing Set (Std.)	304-4766	1
Conrod Bearing Set (0.25mm)	304-4767	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (Industial / Machine)	156-6996*	1
Camshaft	240-0039*	1
Camshaft S/N 3131-99999	238-1204*	1
Camshaft	311-1165*	1
Camshaft S/N 3131063-UP; G3P1465-UP	342-0523*	1
Camshaft S/N 3131829-UP; G3P1547-UP	342-8500*	1
Tappet	154-1249	6
Pushrod (Valve)	160-3534	6



#### **CATERPILLAR 3013C SERIES**

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, O/Haul	252-1789	1
Gasket, Cylinder Head (1.4mm)	218-8537	1
Gasket Kit, O/Haul	252-1827	1
Gasket, Cylinder Head (1.3mm)	218-8533	1
Gasket, Rocker Cover	235-5531	1
Gasket, Oil Pan	215-2604	1
Gasket, Exhaust Manifold	161-8282	1
Gasket Kit, O/Haul	155-8078	1
Gasket, Cylinder Head (1.4mm)	218-8537	1
Gasket, Oil Pan	215-2604	1
Gasket, Exhaust Manifold	161-8282	1
Gasket, Rocker Cover	254-6030*	1
Gasket, Cylinder Head (1.2mm) S/N 3131-9999	99 254-4504	1
Gasket, Cylinder Head (1.3mm) S/N 3131-9999	99 231-2073	1
Gasket, Rocker Cover	231-3020*	1
Gasket, Rocker Housing	447-3735*	1
Gasket, Rocker Housing	447-5255*	1
Gasket, Oil Pan S/N 3131-99999	219-4669*	1

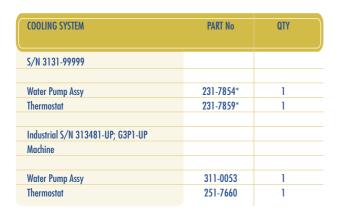
FILTERS	PART No	QTY
Oil Filter	220-1523	1
Fuel Filter	033-7854	1
Fuel Filter	067-6987*	1
Fuel Filter	150-4142*	1
Fuel Filter	243-6411*	1
Water separator Filter Assy	276-1804*	1
Water separator Element	183-5446*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (109 Teeth)	156-6960*	1
Ring Gear (96 Teeth) S/N 3131-99999	153-6865*	1

<sup>\*</sup> please check with KMP sales for availability

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer	183-4320*	1
Injector	252-1466	3

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	311-1104*	1
Oil Pump	339-3014	1





#### **CATERPILLAR 3013C SERIES- EOK KITS**

KMP293-5844.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	153-5558	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1789	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

KMP293-5844.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1789	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

KMP293-5844.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	153-5536	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	190-3748	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1789	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

KMP293-5844.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	156-6977	1
Thrust Bearing	154-1231	2
Bushing, Conrod	153-5536	3
Conrod Bearing Set (Std.)	156-6978	1
Piston Assy	293-5884	3
Valve, Inlet	308-1860	3
Valve, Exhaust	308-1681	3
Collet, Valve	153-5556	12
Spring, Valve	153-5558	6
Retainer, Valve Spring	153-5557	6
Insert, Valve Seat Exhaust	256-2085	3
Insert, Valve Seat Inlet	256-2084	3
Cap, Valve Spring	322-7485	6
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	252-1789	1
Piston Kit 293-5884 Consists of :		
Piston, Pin & Clips	293-5884NR	1
Piston Ring Set	217-1456	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

#### **CATERPILLAR C3.3 SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	274-4701*	1
Cylinder Block	293-1914*	1
Jet Assy , Piston Cooling	276-5605*	3
Bushing, Camshaft (Std.)	232-7440	1
Liner (Finished) 105mm	KM105MMRS	3
Liner (Semi finished) 105mm	KM105MMRS-SF	3

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM7232	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	233-7232	3
Ring Set (Std.)	233-7231	3
Liner (Finished) 105mm	KM105MMRS	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	288-9942	3
Ring Set (0.50mm)	334-1996	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	288-9943	3
Ring Set (1.00mm)	334-1997	3
Cylinder Kit	KM5437	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	225-5437	3
Ring Set (Std.)	225-5436	3
Liner (Finished) 105mm	KM105MMRS	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	288-1394	3
Ring Set (0.50mm)	334-2319	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	288-1395	3
Ring Set (1.00mm)	334-2318	3
Cylinder Kit	KM6275	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	277-6275	3
Ring Set (Std.)	225-5436	3
Liner (Finished) 105mm	KM105MMRS	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	292-9013	3
Ring Set (0.50mm)	334-2319	3

CYLINDER KIT & COMPONENTS (Cont.)	PART No	QTY
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	292-9014	3
Ring Set (1.00mm)	334-2318	3
Cylinder Kit	KM8755	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	253-8755	3
Ring Set (Std.)	233-7231	3
Liner (Finished) 105mm	KM105MMRS	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	334-2455	3
Ring Set (0.50mm)	334-1996	3
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	334-2456	3
Ring Set (1.00mm)	334-1997	3

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	303-8483*	1
Valve, Inlet	225-5495	3
Valve, Exhaust	225-5499	3
Guide, Valve Inlet and Exhaust	185-0882	6
Collet, Valve	147-1979	12
Spring, Valve	436-0519	6
Seal, Valve Stem Inlet	252-6438	3
Seal, Valve Stem Exhaust	254-3954	3
Insert, Valve Seat Inlet	329-6655	3
Insert, Valve Seat Exhaust	322-9663	3
Retainer, Valve Spring	225-5498*	6
Cylinder Head	303-8494*	1
Valve, Inlet	225-5495	3
Valve, Exhaust	225-5499	3
Guide, Valve Inlet and Exhaust	185-0882	6
Collet, Valve	147-1979	12
Spring, Valve	436-0519	6
Seal, Valve Stem Inlet	252-6438	3
Seal, Valve Stem Exhaust	254-3954	3
Insert, Valve Seat Inlet	329-6655	3
Insert, Valve Seat Exhaust	322-9663	3
Retainer, Valve Spring	225-5498*	6

#### **CATERPILLAR C3.3 SERIES**

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	273-9297	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Main Bearing Set (Std.)	353-7439	1
Main Bearing Set (0.25mm)	353-7440	1
Main Bearing Set (0.50mm)	353-7441	1
Main Bearing Set (0.75mm)	353-7442	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing Set (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	232-7449	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (F-GRADE)	225-5459	3
Conrod (G-GRADE)	225-5458	3
Conrod (H-GRADE)	225-5454	3
Conrod (J-GRADE)	225-5453	3
Conrod (K-GRADE)	225-5451	3
Conrod (L-GRADE)	225-5441	3
Bolt, Conrod	225-5439	6
Bushing, Conrod	225-5438	3
Conrod Bearing Set (Std.)	353-2748	1
Conrod Bearing Set (0.25mm)	353-2749	1
Conrod Bearing Set (0.50mm)	353-2750	1
Conrod Bearing Set (0.75mm)	353-2751	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	346-8838	1
Camshaft	346-8818*	1
Camshaft	346-8976*	1
Pushrod	067-6095	6
Tappet	138-2053	6

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	291-8885	1
Gasket, Cylinder Head	273-9375	1
Gasket, Rocker Cover	275-1199	1
Gasket, Exhaust Manifold	273-9246	1
Gasket Kit, Lower	275-0885	1
Gasket, Oil Pan	274-4695	1
Gasket, Plate	225-8287	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Injection	291-8790*	1
Pump Assy, Fuel Injection	292-0339*	1
Pump Assy, Fuel Injection	292-1061*	1
Pump Assy, Fuel Injection	456-4181*	1
Pump Assy, Fuel Injection	275-0883*	1
Pump Assy, Fuel Injection	292-9012*	1
Pump Assy, Fuel Transfer & Priming	467-6837	1
Nozzle, Injector	234-0387*	3
Nozzle, Injector	292-0346*	3
Nozzle, Injector	236-1673*	3
Nozzle, Injector	232-2724*	3
Injector Washer	140-8718	3
Glow Plug , 12 Volts	232-6662	3



Rear Oil Seal Housing 232-7749

#### **CATERPILLAR C3.3 SERIES**

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	231-0141	1
Oil Pump	243-4304	1
Oil Cooler (Engine)	245-1369	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	355-2252	1
Thermostat	254-2268*	1

FILTERS	PART No	QTY
Oil Filter	7W2327	1
Fuel Filter Element	350-5172*	1
Fuel Filter Element	276-1806*	1
Water separator Element	1R0793	1

TURBOCHARGER	PART No	QTY
Turbo	292-0348*	1
Turbo	292-9000	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1
Ring Gear (115 Teeth)	7W6247	1

\* please check with KMP sales for availability



#### **CATERPILLAR C3.3 SERIES- EOK KITS**

KMP233-7232.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7439	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	3
Conrod Bearing Set (Std.)	353-2748	1
Piston Assy	233-7232	3
Valve, Inlet	225-5495	3
Valve, Exhaust	225-5499	3
Collet, Valve	147-1979	12
Spring, Valve	436-0519	6
Retainer, Valve Spring	225-5498	6
Insert, Valve Seat Inlet	329-6655	3
Insert, Valve Seat Exhaust	322-9663	3
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	291-8885	1
Gasket Kit, Lower	275-0885	1
Piston Kit 233-7232 Consists of :		
Piston, Pin & Clips	233-7232NR	1
Piston Ring Set	233-7231	1

KMP253-8755.EOK-A DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7439	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	3
Conrod Bearing Set (Std.)	353-2748	1
Piston Assy	253-8755	3
Valve, Inlet	225-5495	3
Valve, Exhaust	225-5499	3
Collet, Valve	147-1979	12
Spring, Valve	436-0519	6
Retainer, Valve Spring	225-5498	6
Insert, Valve Seat Inlet	329-6655	3
Insert, Valve Seat Exhaust	322-9663	3
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	291-8885	1
Gasket Kit, Lower	275-0885	1
Piston Kit 253-8755 Consists of :		
Piston, Pin & Clips	253-8755NR	1
Piston Ring Set	233-7231	1

KMP225-5437.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7439	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	3
Conrod Bearing Set (Std.)	353-2748	1
Piston Assy	225-5437	3
Valve, Inlet	225-5495	3
Valve, Exhaust	225-5499	3
Collet, Valve	147-1979	12
Spring, Valve	436-0519	6
Retainer, Valve Spring	225-5498	6
Insert, Valve Seat Inlet	329-6655	3
Insert, Valve Seat Exhaust	322-9663	3
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	291-8885	1
Gasket Kit, Lower	275-0885	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

#### **CATERPILLAR C2.2 SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block (Industrial)	236-5049*	1
Bushing, Crankshaft (Std.)	294-4916	1
Bushing, Crankshaft (0.25mm)	302-4181	1
Bushing, Crankshaft (0.50mm)	302-4182	1

CYLINDER KIT & COMPONENTS	PART No	QTY
C2.2 GENSET S/No. E6K1-UP; E2M1-UP;		
SM81-UP		
C2.2 INDUSTRIAL S/No. C4M; C6M; C8Y;		
G7L ; G7M		
C2.2 MACHINE S/No. CYP1-Up;		
эд на таки		
Cylinder Kit	KM3080	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	297-3080	4
Ring Set (Std.)	217-1456	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	297-3080B	4
Ring Set (0.50mm)	217-1456B	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
C2.2 GENSET S/No. E6K1-UP		
C2.2 INDUSTRIAL S/No. C4M; C6M; C8Y; C8Z	; G7L ; G7M	
C2.2 MACHINE S/No. CYP1-Up; CYS-Up		
Cultural and With	KM6968	4
Cylinder Kit Piston Assy (Includes Pin, Clips and Ring Set) (S		4
Rina Set (Std.)	270-6970	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	4
Sicove, Reputi (Setti Illistica) o Illini	KMO-MMK3-31	- T
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	270-6968B	4
Ring Set (0.50mm)	270-6970B	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8

CYLINDER KIT & COMPONENTS (Cont.)	PART No	QTY
C2.2 INDUSTRIAL ENGINE S/No. G9P		
Cylinder Kit	KM3371	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	439-3371*	4
Ring Set (Std.)	439-3372*	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	439-3371B*	4
Ring Set (0.50mm)	439-3372B*	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8

CYLINDER HEAD & COMPONENTS	PART No	QTY	
Genset / Industrial / Machine C2.2			
Cylinder Head	308-1859*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	344-1624	4	
Collet, Valve	153-5556	16	
Spring, Valve	153-5558	8	
Seal, Valve Stem Inlet & Exhaust	440-5104	8	
Retainer, Valve Spring	153-5557*	8	
Insert, Valve Seat Inlet	256-2084	4	
Insert, Valve Seat Exhaust	256-2085	4	
Cap, Valve Spring	322-7485	8	
Machine C2.2			
Cylinder Head	423-7672*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	308-1861	4	
Collet, Valve	153-5556	16	
Spring, Valve	153-5558	8	
Retainer, Valve Spring	153-5557*	8	

#### **CATERPILLAR C2.2 SERIES**

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY	
Genset / Industrial C2.2			
Cylinder Head	217-1481*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	308-1861	4	
Collet, Valve	153-5556	16	
Spring, Valve	153-5558	8	
Seal, Valve Stem Inlet & Exhaust	440-5104	8	
Retainer, Valve Spring	153-5557*	8	
Insert, Valve Seat Inlet	247-6398	4	
Cap, Valve Spring	322-7485	8	
Industrial C2.2			
Cylinder Head	236-5127*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	308-1861	4	
Collet, Valve	153-5556	16	
Spring, Valve	153-5558	8	
Seal, Valve Stem Inlet & Exhaust	440-5104	8	
Retainer, Valve Spring	153-5557*	8	
Insert, Valve Seat Inlet	256-2084	4	
Insert, Valve Seat Exhaust	256-2085	4	
Cap, Valve Spring	322-7485	8	
Genset / Industrial / Machine C2.2			
Ch L III I	001.40/1*		
Cylinder Head	321-4061*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	308-1861	4	
Collet, Valve	153-5556	16 8	
Spring, Valve Seal, Valve Stem Inlet & Exhaust	153-5558	8	
Retainer, Valve Spring	440-5104 153-5557*	8	
Insert, Valve Seat Inlet	256-2084	4	
Insert, Valve Seat Exhaust	256-2085	4	
Cap, Valve Spring	322-7485	8	
cup, vuive spring	322-7403	0	
Industrial C2.2			
muosifiui CE.E			
Cylinder Head	235-6974*	1	
Valve, Inlet	308-1860	4	
Valve, Exhaust	308-1861	4	
Collet, Valve	153-5556	16	
Spring, Valve	190-3748	8	
Seal, Valve Stem Inlet & Exhaust	440-5104	8	
Retainer, Valve Spring	153-5557*	8	
Insert, Valve Seat Inlet	256-2084	4	
Insert, Valve Seat Exhaust	256-2085	4	
Cap, Valve Spring	322-7485	8	
cup, ruive spring	277-1 407	U	

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY
Machine C2.2		
Cylinder Head	480-5418*	1
Valve, Inlet	454-0479*	4
Valve, Exhaust	454-0480*	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft (Genset/Industrial)	308-1852	1
Gear, Crankshaft (62 Teeth)	308-1853	1
Main Bearing Set (Std.)	154-1203	1
Main Bearing Set (0.25mm)	161-7163	1
Main Bearing Set (0.50mm)	161-7164	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Main Bearing Set (Std.)	308-1854	1
Main Bearing Set (0.25mm)	308-2362	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Crankshaft (Genset)	270-8741*	1
Gear, Crankshaft	154-1201*	1
Seal Group, Oil Front	154-1675	1
Seal Group, Oil Rear	154-0178	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	154-0867	4
Bushing, Conrod	154-0869	4
Bolt, Conrod	154-0870	8
Nut, Conrod	154-0871	8
Conrod Bearing Set (Std.)	146-7808	1
Conrod Bearing Set (0.25mm)	307-9855	1
Conrod Bearing Set (0.50mm)	307-9856	1
Conrod Bearing Set (Std.)	308-1855	1
Conrod Bearing Set (0.25mm)	439-3373	1
Conrod Bearing Set (0.50mm)	161-2631	1

#### **CATERPILLAR C2.2 SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (Genset/Industial)	154-4504*	1
Camshaft (Industrial)	156-6996*	1
Camshaft (Genset / Machine)	309-6733*	1
Camshaft (Genset)	343-2871*	1
Camshaft (Industrial / Machine)	308-1902*	1
Camshaft (Industrial)	217-7139*	1
Camshaft (Industrial)	311-1165*	1
Pushrod	154-1248	8
Tappet	154-1249	8
Tappet	438-9109*	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket, Cylinder Head (Use with Turbo App.)		
(0.5mm)	311-1685	1
Gasket, Cylinder Head (1.1mm)	322-7488*	1
Gasket, Cylinder Head (1.2mm)	322-7487*	1
Gasket, Cylinder Head (1.3mm)	322-7486	1
Gasket, Cylinder Head (Std.)	420-6400*	1
Gasket Kit, Upper (Without Head Gasket)	KMP-C2.2-K1NHG	1
Gasket, Rocker Cover	233-0695	1
Gasket, Rocker Housing	217-2752	1
Gasket, Exhaust Manifold	154-2427	1
Gasket Kit Lower	KMP-C2.2-K2	1
Gasket, Oil Pan	215-2605	1
Gasket, Oil Pan	423-5607*	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer (Genset)	295-4070	1
Pump Assy, Fuel Transfer (Industrial)	183-4320*	1
Injector Genset / Industrial / Machine (C2.2)	252-1466	4

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump Idler Gear	339-3017	1
Oil Cooler (Engine)	245-1361	1

COOLING SYSTEM	PART No	QTY
Industrial C2.2		
Water Pump Assy	371-0182	1
Gasket, Water Pump Assy	303-0307*	1
Thermostat	251-7660	1
Gasket, Thermostat	439-0945*	11
Genset / Industrial / Machine C2.2		
Water Pump Assy	371-0183*	1
Gasket, Water Pump Assy	303-0307*	1
Thermostat	249-5541	1
Machine C2.2		
Water Pump Assy	439-4992*	1
Gasket, Water Pump Assy	423-5611*	1
Thermostat	249-5541	1

FILTERS	PART No	QTY
Oil Filter	220-1523	1
Fuel Filter	150-4142*	1
Fuel Filter (Element)	067-6987*	1
Fuel Filter	276-1806*	1
Fuel Filter	155-8080*	1
Fuel Filter	243-6411*	1
Fuel Filter	271-1712	1

TURBOCHARGER	PART No	QTY
Turbo (Genset/ Industrial) C2.2	238-9349	1

FLYWHEEL RING GEAR	PART No	QTY
Gear, Flywheel Ring Gear (126 Teeth)	154-2405	1

 $<sup>^{</sup>st}$  please check with KMP sales for availability

#### **CATERPILLAR C2.2 SERIES - EOK KITS**

KMP297-3080 FOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	308-1854	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	4
Conrod Bearing Set (Std.)	146-7808	1
Piston Assy	297-3080	4
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Retainer, Valve Spring	153-5557	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, Upper (Without Head Gasket)	KMP-C2.2-K1NHG	1
Gasket Kit Lower	KMP-C2.2-K2	1
Piston Kit 297-3080 Consists of :		
Piston, Pin & Clips	297-3080NR	1
Piston Ring Set	217-1456	1

KMP270-6968 FOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	308-1854	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	4
Conrod Bearing Set (Std.)	146-7808	1
Piston Assy	270-6968	4
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Retainer, Valve Spring	153-5557	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, Upper (Without Head Gasket)	KMP-C2.2-K1NHG	1
Gasket Kit Lower	KMP-C2.2-K2	1
Piston Kit 270-6968 Consists of :		
Piston, Pin & Clips	270-6968NR	1
Piston Ring Set	270-6970	1

 ${}^{**}\mbox{Above}$  is a selection of Engine Overhaul Kits. Additional kits are available upon request.

## Engine Overhaul Kits



### CATERPILLAR 3024/3024C SERIES

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Industrial / Machine / Genset		
Cylinder Block (3024) Industrial / Machine	183-1337*	1
Cylinder Block (3024C)	236-5049*	1
Cylinder Block (3024C) Industrial / Machine	240-0648*	1
Cylinder Block (3024) Machine	254-9007*	1
Bushing, Crankshaft (Std.)	294-4916	1
Bushing, Crankshaft (0.25mm)	302-4181	1
Bushing, Crankshaft (0.50mm)	302-4182	1

CYLINDER KIT & COMPONENTS	PART No	QTY
3024 INDUSTRIAL ENGINE S/No. 4RF		
3024C INDUSTRIAL ENGINE S/No. 424; G4P		
3024 MACHINE ENGINE S/No. 8FG497-UP		
3024C MACHINE ENGINE S/No. GGA1-31300;		
CSD1-99999 ; CYP1-UP; CYS1-UP		
Cylinder Kit	KM3080	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	297-3080	4
Ring Set (Std.)	217-1456	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	4
		•
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	297-3080B	4
Ring Set (0.50mm)	217-1456B	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
•		
3024 INDUSTRIAL ENGINE S/No. 4RF		
3024C INDUSTRIAL ENGINE S/No. 424 ; G4P		
3024C MACHINE ENGINE S/No. GGA1-99999;		
CSD9241-99999		
Cylinder Kit	KM6968	4
Piston Assy (Includes Pin, Clips and Ring Set)	KW0700	7
(Std.)	270-6968	4
Ring Set (Std.)	270-6970	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8
Sleeve, Repair (Semi finished) 84mm	KM84MMRS-SF	4
Sicoro, Ropuli (Solili Illishou) Orillili	Kino minito-31	
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	270-6968B	4
Ring Set (0.50mm)	270-6970B	4
Piston Pin	154-0873	4
Retainer, Piston Pin	154-0874	8

CYLINDER HEAD & COMPONENTS	PART No	QTY
Industrial / Marking 2024		
Industrial / Machine 3024		
Cylinder Head	154-0884*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8
Insert, Valve Seat Inlet	247-6398	4
	322-7485	8
Cap, Valve Spring	322-7403	0
Industrial 3024/3024C		
Cylinder Head	236-5127*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Industrial 3024C		
Cylinder Head	308-1859*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	344-1624	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Industrial / Machine 3024C		
e la la una la	016	
Cylinder Head	319-7269*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet Seal, Valve Stem Exhaust	153-5559	4
	153-5554	4

#### CATERPILLAR 3024/3024C SERIES

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY
Industrial 3024C		
Cylinder Head	319-7269*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
'	153-5557*	
Retainer, Valve Spring	153-555/	8
Industrial 3024C		
Cylinder Head	217-1481*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8
Insert, Valve Seat Inlet	247-6398	4
Cap, Valve Spring	322-7485	8
Industrial 3024C		
Cylinder Head	321-4061*	1
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Seal, Valve Stem Inlet & Exhaust	440-5104	8
Retainer, Valve Spring	153-5557*	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Industrial/Machine 3024/3024C		
Crankshaft	308-1852	1
Gear, Crankshaft (62 Teeth)	308-1853	1
Main Bearing Set (Std.)	154-1203	1
Main Bearing Set (0.25mm)	161-7163	1
Main Bearing Set (0.50mm)	161-7164	1
Main Bearing Set (Std.)	308-1854	1
Main Bearing Set (0.25mm)	308-2362	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Seal Group, Oil Front	154-1675	1
Seal Group, Oil Rear	154-0178	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	154-0867	4
Bushing, Conrod	154-0869	4
Bolt, Conrod	154-0870	8
Nut, Conrod	154-0871	8
Conrod Bearing Set (Std.)	146-7808	1
Conrod Bearing Set (0.25mm)	307-9855	1
Conrod Bearing Set (0.50mm)	307-9856	1
Conrod Bearing Set (Std.)	308-1855	1
Conrod Bearing Set (0.25mm)	439-3373	1
Conrod Bearing Set (0.50mm)	161-2631	1



CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (3024/3024C Industrial/Machine)	154-4504*	1
Camshaft (3024C Industrial)	217-7139*	1
Camshaft (3024C Industrial)	156-6996*	1
Camshaft (3024C Industrial/Machine)	309-6733*	1
Camshaft (3024C Industrial)	343-2871*	1
Camshaft (3024C Industrial)	308-1902*	1

### CATERPILLAR 3024/3024C SERIES

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, O/Haul	164-8900*	1
Gasket, Cylinder Head (Use with Turbo App.)		
0.5mm	311-1685	1
Gasket, Rocker Cover	154-1344*	1
Gasket, Rocker Housing	154-1250*	1
Gasket, Oil Pan (Industial / Machine )	215-2605	1
Gasket, Exhaust Manifold	154-2427	1
Timing cover gasket	215-2621	1
Gasket Kit, O/Haul	KMP-3024C-K1/K2	1
Gasket, Cylinder Head (1.1mm)	322-7488*	1
Gasket, Cylinder Head (1.2mm)	322-7487*	1
Gasket, Cylinder Head (1.3mm)	322-7486	1
Gasket, Rocker Cover	233-0695	1
Gasket, Rocker Housing	217-2752	1
Gasket, Oil Pan (Machine 3024)	154-1945*	1
Gasket, Oil Pan	423-5607*	1
Turbo gasket	238-9196	1
Turbo gasket	304-5061	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer		
(Industrial/Machine) 3024/3024C	295-4070	1
Pump Assy, Fuel Transfer		
(Industrial) 3024C	183-4320*	1
Injector (Industial/Machine) 3024 / 3024C	252-1446	4
Injector Seal	202-1196	4

OIL PUMP & RELATED PARTS	PART No	QTY
Gear Kit, Oil Pump 3024C	339-3017	1
Gear Assy, Oil Pump (62 Teeth) Machine 3024	297-3050	1
Oil Cooler (Engine)	245-1361	1

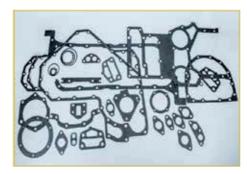
COOLING SYSTEM	PART No	QTY
Industrial 3024 / 3024C		
Water Pump Assy	311-0053	1
Gasket, Water Pump Assy	303-0307*	1
Thermostat	251-7660	1
Gasket, Thermostat	439-0945*	1
Industrial / Machine 3024C		
Water Pump Assy	371-0183*	1
Gasket, Water Pump Assy	303-0307*	1
Thermostat	249-5541	1
Gasket, Thermostat	439-0945*	1

FILTERS	PART No	QTY
Oil Filter	220-1523	1
Oil Filter	1R0734	1
Fuel Filter	150-4142*	1
Fuel Filter (Element)	067-6987*	1
Fuel Filter	276-1806*	1
Fuel Filter	155-8080*	1
Fuel Filter	243-6411*	1
Water separator Element	183-5446*	1
Water separator Filter Assy	276-1804*	1
Water separator Element	156-1200*	1

TURBOCHARGER	PART No	QTY
Turbo (Industrial) 3024 / 3024C	238-9349	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	154-2405	1

<sup>\*</sup> please check with KMP sales for availability





#### CATERPILLAR 3024/3024C SERIES - EOK KITS

KMP297-3080.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	308-1854	1
Thrust Bearing	154-1230	11
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	4
Conrod Bearing Set (Std.)	146-7808	11
Piston Assy	297-3080	4
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Retainer, Valve Spring	153-5557	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	164-8900	1
Piston Kit 297-3080 Consists of :		
Piston, Pin & Clips	297-3080NR	1
Piston Ring Set	217-1456	1

KMP270-6968.EOK-B		<b>a</b> m/
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	308-1854	1
Thrust Bearing	154-1230	1
Thrust Bearing	154-1231	2
Bushing, Conrod	154-0869	4
Conrod Bearing Set (Std.)	146-7808	1
Piston Assy	270-6968	4
Valve, Inlet	308-1860	4
Valve, Exhaust	308-1861	4
Collet, Valve	153-5556	16
Spring, Valve	153-5558	8
Retainer, Valve Spring	153-5557	8
Insert, Valve Seat Inlet	256-2084	4
Insert, Valve Seat Exhaust	256-2085	4
Cap, Valve Spring	322-7485	8
Bushing, Crankshaft (Std.)	294-4916	1
Gasket Kit, O/Haul	164-8900	1
Piston Kit 270-6968 Consists of :		
Piston, Pin & Clips	270-6968NR	1
Piston Ring Set	270-6970	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

## Engine Overhaul Kits



#### **CATERPILLAR 3054T SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	233-4742*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM7021A	4
Piston Assy (Includes Pin and Clips) (Std.)	112-7021	4
Ring Set (Std.)	112-7020	4
Liner	111-1815	4
Cylinder Kit	KM7021B	4
Piston Assy (Includes Pin and Clips) (Std.)	112-7021	4
Ring Set (Std.)	112-7020	4
Liner	610164	4
Cylinder Kit	KM0824A	4
Piston Assy (Includes Pin and Clips) (Std.)	176-0824	4
Ring Set (Std.)	112-7020	4
Liner	111-1815	4
Cylinder Kit	KM0824B	4
Piston Assy (Includes Pin and Clips) (Std.)	176-0824	4
Ring Set (Std.)	112-7020	4
Liner	611064	4

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	150-8682*	1
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Guide, Valve Inlet	160-5436	4
Guide, Valve Exhaust	160-5438	4
Collet, Valve	067-6834	16
Spring, Valve Outer	610283	8
Spring, Valve Inner	610284	8
Seal, Valve Stem Inlet & Exhaust	1W5849	8
Washer, Valve Spring	067-6054*	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Cap, Valve Spring	610281	8

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY
Cylinder Head	132-9254*	1
Valve, Inlet	611196	4
Valve, Exhaust	7W4602	4
Guide, Valve Inlet	160-5436	4
Guide, Valve Exhaust	160-5438	4
Collet, Valve	067-6834	16
Spring, Valve Outer	610283	8
Spring, Valve Inner	610284	8
Seal, Valve Stem Inlet & Exhaust	1W5849	8
Washer, Valve Spring	067-6054*	8
Insert, Valve Seat Inlet	611197	4
Insert, Valve Seat Exhaust	109-3428	4
Cap, Valve Spring	610281	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	139-7018	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7427	1
Main Bearing Set (0.25mm)	353-7428	1
Main Bearing Set (0.50mm)	353-7429	1
Main Bearing Set (0.75mm)	353-7430	1
Thrust Bearing Upper (Std.)	032-9090	2
Thrust Bearing Lower (Std.)	032-9091	2
Thrust Bearing kit (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	240-9954	4
Bushing, Conrod	240-9955	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	7W2510	4
Bolt, Conrod	067-6883	8
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

#### CATERPILLAR 3054T SERIES

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	360-5470	1
Gear, Camshaft (56 Teeth)	9Y2633*	1
Gear, Idler (63 Teeth)	2W1529	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	8
Tappet	138-2053	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	227-0186	1
Gasket Kit, Upper	177-3310	1
Gasket Kit, Lower	173-9716	1
Gasket, Cylinder Head	160-0161	1
Gasket, Rocker Cover	126-6671	1
Gasket, Oil Pan	032-9946	1
Gasket, Exhaust Manifold	035-8218	1
Gasket, Intake Manifold	142-2414	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer	201-0877	1
Nozzle, Injector	101-3898*	4
Nozzle, Injector	101-4388*	4

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	7C3134	1
Bearing	7C3133	1
Bearing	7C3136	1
Shaft (Drive)	7C7697	1
Gear (24 Teeth)	7(3135	1
Bushing (Balance Shafts)	7C3150	4
Core, Oil Cooler (Engine)	247-6318*	1
Oil Cooler (Engine)	364-5471*	1
Gasket, Oil Cooler (Engine)	610689*	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	291-5304	1
Thermostat	220-2748	1
Thermostat	4W8063	1

TURBOCHARGER	PART No	QTY
Turbo	118-8384	1
Cartridge, Turbo	614203*	1

FILTERS	PART No	QTY
Oil Filter	7W2327	1
Fuel Filter (Primary)	159-6102	1
Fuel Filter	201-0878*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



#### **CATERPILLAR 3054T SERIES - EOK KITS**

KMP112-7021 FOK-F		
DESCRIPTION DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021A	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	227-0186	1
Gasket Kit, Lower	173-9716	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021 FOK-F		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021B	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	227-0186	1
Gasket Kit, Lower	173-9716	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-G DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021A	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	177-3310	1
Gasket Kit, Lower	173-9716	1
·		
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-H		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021B	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	177-3310	1
Gasket Kit, Lower	173-9716	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

 $^{**}$ Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

#### **CATERPILLAR 3054T SERIES - EOK KITS**

KMP176-0824.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM0824A	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	227-0186	1
Gasket Kit, Lower	173-9716	1
Cylinder Kit KM0824A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	176-0824	1

KMP176-0824.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM0824B	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	227-0186	1
Gasket Kit, Lower	173-9716	1
Cylinder Kit KM0824B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	176-0824	1

KMP176-0824.EOK-C DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM0824A	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
	610281	8
Cap, Valve Spring		•
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	
Gasket Kit, Upper	177-3310	
Gasket Kit, Lower	173-9716	ı
a h. L. W. W. Cook a		
Cylinder Kit KM0824A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	176-0824	1

KMP176-0824 FOK-D		
DESCRIPTION	PART No	QTY
DESCRIPTION .	TARK NO	411
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM0824B	4
Valve, Inlet	100-4626	4
Valve, Exhaust	7W4602	4
Collet, Valve	067-6834	16
Spring, Valve Inner	610284	8
Spring, Valve Outer	610283	8
Cap, Valve Spring	610281	8
Insert, Valve Seat Inlet	130-1501	4
Insert, Valve Seat Exhaust	109-3428	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	177-3310	1
Gasket Kit, Lower	173-9716	1
,		
Cylinder Kit KM0824B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	176-0824	1

# Certificate of Registration

This document certifies that the Quality Management System of:

# KM Products Europe Limited

Location: Surrey, United Kingdom.

Have been assessed and approved by IQS Standards Division

In accordance with the following standard:

ISO 9001:2008

The registered scope of the assessed quality management system is as follows:

**Production & Distribution of Diesel Engine Components** 

**Current Certificate Date:** 17th February 2017

Registration Number: 4012261

For and on behalf of **IQS Standards Division**  Certificate Expiry Date: 16th February 2018

Issue: 15

Validation





Signed.....

This is an accredited certificate issued under the auspices of ASCB the summary details of which are listed in the International Register of Quality Assessed Organizations and at

www.iqsuk.com/certificate-authenticity

Interested parties should check the validity of this certificate by going to the address shown above or using the QR Code and entering this certificate number in the space provided and click on SUBMIT

This certificate remains the property of, and must be returned to IQS Standards Division upon reasonable request

IQS Cert Doc A4 Ref: C155 Rev: 12/16 Ed: 07b Page: 1 of: 1

#### **CATERPILLAR 3054NA SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-6725*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM1390A	4
Piston Assy (Includes Pin and Clips)	152-1390	4
Ring Set	138-2073	4
Liner	111-1815	4
Cylinder Kit	KM1390B	4
Piston Assy (Includes Pin and Clips)	152-1390	4
Ring Set	138-2073	4
Liner	610164	4

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	163-9254*	1
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Guide, Valve Inlet	185-0882	4
Guide, Valve Exhaust	163-9256	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Seal, Valve Stem Inlet	145-6856	4
Seal, Valve Stem Exhaust	145-6858	4
Insert, Valve Seat Inlet	145-6853	4
Insert, Valve Seat Exhaust	145-6854	4
Cap, Valve Spring	138-2060	8

101110011001111000
1 2 5 5 5 5 5 5 5
All from Source CHLINDER BLOCKS KMPBRAND

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	139-7018	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7427	1
Main Bearing Set (0.25mm)	353-7428	1
Main Bearing Set (0.50mm)	353-7429	1
Main Bearing Set (0.75mm)	353-7430	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade H)	225-5454	4
Conrod (Grade J)	225-5453	4
Conrod (Grade K)	225-5451	4
Conrod (Grade L)	225-5441	4
Bushing, Conrod	225-5438	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	320-2352	4
Bolt, Conrod	067-6883	8
Nut, Conrod	6B6684	8
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	356-3503*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	8
Tappet	138-2053	8
Bush, Rocker Arm	209-0093	8

#### **CATERPILLAR 3054NA SERIES**

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
Gasket, Cylinder Head	160-0161	1
Gasket, Rocker Cover	200-6374	1
Gasket, Oil Pan	032-9946	1
Gasket, Exhaust Manifold	035-8218	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer	201-0877	1
Repair Kit, Fuel Transfer	033-7837	1
Nozzle, Injector	152-3937*	4
Injector Washer	140-8718	4

OIL PUMP & RELATED PARTS	PART No	QTY
Type 1		
Oil Pump	7C3134	1
Bearing	7C3133	1
Bearing	7C3136	1
Shaft (Drive)	7C7697	1
Gear (24 Teeth)	7C3135	1
Bushing (Balance Shafts)	7C3150	4
Gear (37 Teeth)	7C7700*	1
Type 2		
Oil Pump	7C3134	1
Bearing	7C3133	1
Bearing	7C3136	1
Shaft (Drive)	7C7697	1
Gear (24 Teeth)	7C3135	1
Bushing (Balance Shafts)	7C3150	4
Gear (37 Teeth)	142-7397*	1
Oil Cooler (Engine)	245-1369	1
Oil Cooler (Engine)	364-5471*	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	239-6142	1
Kit, Water Pump	234-0636	1
Thermostat	220-2748	1

FILTERS	PART No	QTY
Oil Filter	7W2327	1
Fuel Filter (Primary)	138-3096	1
Fuel Filter	201-0878*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



#### **CATERPILLAR 3054NA SERIES - EOK KITS**

KMP152-1390 FOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KMP1390A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	145-6853	4
Insert, Valve Seat Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
Cylinder Kit KMP1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KMP1390B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	145-6853	4
Insert, Valve Seat Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
,		
Cylinder Kit KMP1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KMP1390A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	145-6853	4
Insert, Valve Seat Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
Cylinder Kit KMP1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KMP1390B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	145-6853	4
Insert, Valve Seat Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
Cylinder Kit KMP1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

#### **CATERPILLAR 3054DIT SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-6725*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushina. Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM1390A	4
Piston Assy (Includes Pin and Clips)	152-1390	4
Ring Set	138-2073	4
Liner	111-1815	4
Cylinder Kit	KM1390B	4
Piston Assy (Includes Pin and Clips)	152-1390	4
Ring Set	138-2073	4
Liner	610164	4
Cylinder Kit	KM7021A	4
Piston Assy (Includes Pin and Clips)	112-7021	4
Ring Set	112-7020	4
Liner	111-1815	4
Cylinder Kit	KM7021B	4
Piston Assy (Includes Pin and Clips)	112-7021	4
Ring Set	112-7020	4
Liner	610164	4
Cylinder Kit	KM2553A	4
Piston Assy (Includes Pin and Clips)	107-2553	4
Ring Set	112-7020	4
Liner	111-1815	4
Cylinder Kit	KM2553B	4
Piston Assy (Includes Pin and Clips)	107-2553	4
Ring Set	112-7020	4
Liner	610164	4

- Committee	
KMP-UK	
	KARPAR

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	163-9254*	1
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Guide, Valve Inlet	185-0882	4
Guide, Valve Exhaust	163-9256	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Seal, Valve Stem Inlet	145-6856	4
Seal, Valve Stem Exhaust	145-6858	4
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Cap, Valve Spring	138-2060	8
Cylinder Head	164-6098*	1
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Guide, Valve Inlet	138-2057	4
Guide, Valve Exhaust	138-9256*	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Seal, Valve Stem Inlet	145-6856	4
Seal, Valve Stem Exhaust	145-6858	4
Insert, Valve Seat (Std.) Inlet	138-2057	4
Insert, Valve Seat (Std.) Exhaust	138-2056	4
Cap, Valve Spring	138-2060	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	139-7018	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7427	1
Main Bearing Set (0.25mm)	353-7428	1
Main Bearing Set (0.50mm)	353-7429	1
Main Bearing Set (0.75mm)	353-7430	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

#### KMPBRAND

offer Liners for Caterpillar, Cummins, Komatsu, Detroit Diesel, Perkins, John Deere, Massey Ferguson, Case IH, Ford and Iveco applications.

#### **CATERPILLAR 3054DIT SERIES**

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade H)	225-5454	4
Conrod (Grade J)	225-5453	4
Conrod (Grade K)	225-5451	4
Conrod (Grade L)	225-5441	4
Bushing, Conrod	225-5438	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	320-2352	4
Bolt, Conrod	067-6883	8
Nut, Conrod	6B6684	8
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	356-3503*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	8
Tappet	138-2053	8
Bush, Rocker Arm	209-0093	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	234-3370	1
Gasket Kit, Lower	187-4968	1
Gasket, Cylinder Head	160-0161	1
Gasket, Rocker Cover	200-6374	1
Gasket, Oil Pan	032-9946	1
Gasket, Exhaust Manifold	035-8218	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer	201-0877	1
Repair Kit, Fuel Transfer	033-7837	1
Nozzle, Injector	198-4102*	4
Injector Washer	140-8718	4
Water separator element	138-3100	1

OIL PUMP & RELATED PARTS	PART No	QTY
Type 1		
Oil Pump	7C3134	1
Bearing	703133	1
Bearing	7C3136	1
Shaft (Drive)	707697	1
Gear (24 Teeth)	7C3135	1
Bushing (Balance Shafts)	7C3150	4
Gear (37 Teeth)	707700*	1
Geur (57 Teetif)	707700	ı
Type 2		
1) po 2		
Oil Pump	7C3134	1
Bearing	7C3133	1
Bearing	7C3136	1
Shaft (Drive)	7C7697	1
Gear (24 Teeth)	7C3135	1
Bushing (Balance Shafts)	7C3150	4
Gear (37 Teeth)	142-7397*	1
Oil Pump assy	610912	1
Oil Cooler (Engine)	245-1369	1
Oil Cooler (Engine)	364-5471*	1
Oil Cooler (Engine)	245-1361	1



#### **CATERPILLAR 3054DIT SERIES**

COOLING SYSTEM	PART No	QTY
Water Pump Assy	239-6142	1
Kit, Water Pump	234-0636	1
Thermostat	220-2748	1

FILTERS	PART No	QTY
Oil Filter	7W2327	1
Fuel Filter (Primary)	138-3096	1
Fuel Filter	201-0878*	1

TURBOCHARGER	PART No	QTY
Turbo	220-4985	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



#### **CATERPILLAR 3054DIT SERIES - EOK KITS**

KMP112-7021.EOK-I		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-J		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP152-1390.EOK-E		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM1390A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-F		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM1390B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

<sup>\*\*</sup>Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

## **CATERPILLAR 3054DIT SERIES - EOK KITS**

KMP112-7021.EOK-K		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KURI IO TOOL FOUL		
KMP112-7021.EOK-L		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM7021B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP152-1390.EOK-G		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM1390A	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-H		
DESCRIPTION	PART No	QTY
( - <del></del>		,
Main Bearing Set (Std.)	353-7427	_
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Cylinder Kit	KM1390B	4
Valve, Inlet	145-6855	4
Valve, Exhaust	145-6857	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat (Std.) Inlet	145-6853	4
Insert, Valve Seat (Std.) Exhaust	145-6854	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	175-1321	1
Gasket Kit, Lower	187-4968	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1



Non engine parts also available for Heavy Duty and Agricultural applications, including Swing Gears, Pins and Bushes.



# **CATERPILLAR 3054B (DINA) SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	234-4295*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1
Liner (Semi finished) 103mm	KM103MMRS-SF	4

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM0104A	4
Piston Assy (Includes Pin and Clips) (Std.)	185-0104	4
Ring Set (Std.)	185-0109	4
Liner (Semi Finished) 103mm	KM103MMRS-SF	4
Piston Assy (Includes Pin and Clips) (0.50mm)	185-0106	4
Ring Set (0.50mm)	185-0110	4
Piston Assy (Includes Pin and Clips) (1.00mm)	185-0107	4
Ring Set (1.00mm)	185-0111	4

Cylinder Head	176-3133*	1
Valve, Inlet	176-3134	4
Valve, Exhaust	176-3137	4
Guide, Valve Inlet	185-0883	4
Guide, Valve Exhaust	163-9256	4
Collet, Valve	147-1979	16
Spring, Valve	176-3139	8
Seal, Valve Stem Inlet	185-0883	4
Seal, Valve Stem Exhaust	145-6858	4
Insert, Valve Seat Inlet	176-3135	4
Insert, Valve Seat Exhaust	176-3138	4
Retainer, Valve Spring	147-1979	8
Cylinder Head	164-6098*	1
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Guide, Valve Inlet	138-2057	4
Guide, Valve Exhaust	138-9256*	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Seal, Valve Stem Inlet	145-6856	4
Seal, Valve Stem Exhaust	145-6858	4
Insert, Valve Seat Inlet	138-2057	4
Insert, Valve Seat Exhaust	138-2056	4
Cap, Valve Spring	138-2060	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	139-7018	1
Gear, Crankshaft (28 Teeth)	067-9579	1
	100 7010	
Crankshaft	139-7018	1
Gear, Crankshaft (28 Teeth)	142-7332	1
Main Bearing Set (Std.)	353-7427	1
Main Bearing Set (0.25mm)	353-7428	1
Main Bearing Set (0.50mm)	353-7429	1
Main Bearing Set (0.75mm)	353-7430	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
· ·		
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear	4W5360	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade F)	225-5459	4
Conrod (Grade G)	225-5458	4
Conrod (Grade H)	225-5454	4
Conrod (Grade J)	225-5453	4
Conrod (Grade K)	225-5451	4
Conrod (Grade L)	225-5441	4
Bushing, Conrod	225-5438	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	320-2352	4
Bolt, Conrod	124-3532	8
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

# **CATERPILLAR 3054B (DINA) SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	357-6810*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	8
Tappet	138-2053	8
Bush, Rocker Arm	209-0093	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	187-1290	1
Gasket Kit, Lower	234-3370	1
Gasket Kit, Lower	187-4968	1
Gasket, Cylinder Head	185-0885	1
Gasket, Rocker Cover	200-6374	1
Gasket, Oil Pan	032-9946	1
Gasket, Exhaust Manifold	185-6623*	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer	201-0877	1
Repair Kit, Fuel Transfer	033-7837	1
Nozzle, Injector	197-9417*	4
Injector Washer	140-8718	4
Water Separator Element	138-3100	1

OIL PUMP & RELATED PARTS		
Oil Pump	7C3134	1
Bearing	7C3133	1
Bearing	7C3136	1
Shaft (Drive)	7C7697	1
Gear (24 Teeth)	7C3135	1
Bushing (Balance Shafts)	7C3150	4
Gear (37 Teeth)	142-7397*	1
Oil Pump assy	610253	1
Oil Cooler (Engine)	245-1365	1
Oil Cooler (Engine)	364-5471*	1
Oil Cooler (Engine)	245-1361	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	239-6142	1
Kit, Water Pump	234-0636	1
		_
Water Pump Assy	239-2106	1
Thomastat	000 0740	1
Thermostat	220-2748	I

FILTERS	PART No	QTY
Oil Filter	7W2327	1
Fuel Filter (Primary)	138-3096	1
Fuel Filter	201-0878*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (115 Teeth)	7W6247	1

<sup>\*</sup> please check with KMP sales for availability





# **CATERPILLAR 3054B (DINA) SERIES - EOK KITS**

KMP185-0104.EOK-A DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Piston, Pin & Clips	185-0104	4
Piston Ring Set	185-0109	4
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Collet, Valve	147-1979	16
Spring, Valve	176-3139	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	138-2057	4
Insert, Valve Seat Exhaust	138-2056	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1290	1
Gasket Kit, Lower	187-4968	1

KMP185-0104.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	4
Conrod Bearing Set (Std.)	353-2205	1
Piston, Pin & Clips	185-0104	4
Piston Ring Set	185-0109	4
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	138-2057	4
Insert, Valve Seat Exhaust	138-2056	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1290	1
Gasket Kit, Lower	187-4968	1

KMP185-0104.EOK-C DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston, Pin & Clips	185-0104	4
Piston Ring Set	185-0109	4
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Collet, Valve	147-1979	16
Spring, Valve	176-3139	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	138-2057	4
Insert, Valve Seat Exhaust	138-2056	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1290	1
Gasket Kit, Lower	187-4968	1

KMP185-0104.EOK-D DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston, Pin & Clips	185-0104	4
Piston Ring Set	185-0109	4
Valve, Inlet	138-2052	4
Valve, Exhaust	138-2050	4
Collet, Valve	147-1979	16
Spring, Valve	206-4127	8
Cap, Valve Spring	138-2060	8
Insert, Valve Seat Inlet	138-2057	4
Insert, Valve Seat Exhaust	138-2056	4
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1290	1
Gasket Kit. Lower	187-4968	1

# **CATERPILLAR 3054C & E SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	362-2190*	1
Jet Assy , Piston Cooling	276-5605*	4
Bushing, Camshaft (Std.)	232-7440	1
Liner (Finished) 105mm	KM105MMRS	4
Liner (Semi Finished) 105mm	KM105MMRS-SF	4

CVLINDED VIT & COMPONENTS

Cylinder Kit Piston Assy (Includes Pin, Clips and Ring Set) (Std.) 233-7232 4 Ring Set (Std.) 233-7231 4 Liner (Finished) 105mm KM105MMRS 4  Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm) 288-9942 4 Ring Set (0.50mm) 334-1996 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 288-9943 4 Ring Set (1.00mm) 334-1997 4  Cylinder Kit KM5437 4 Piston Assy (Includes Pin, Clips and Ring Set) (Std.) 225-5437 4 Ring Set (Std.) 225-5436 4 Liner (Finished) 105mm KM105MMRS 4  Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm) 288-1394 4 Ring Set (0.50mm) 334-2319 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 288-1395 4 Ring Set (1.00mm) 334-2318 4  Cylinder Kit KM8755 4 Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 288-1395 4 Ring Set (1.00mm) 334-2318 4  Piston Assy (Includes Pin, Clips and Ring Set) (Std.) 233-7231 4 Liner (Finished) 105mm KM105MMRS 4  Piston Assy (Includes Pin, Clips and Ring Set) (Std.) 233-7231 4 Liner (Finished) 105mm KM105MMRS 4  Piston Assy (Includes Pin, Clips and Ring Set) (Std.) 233-7231 4 Liner (Finished) 105mm KM105MMRS 4  Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm) 334-2455 4 Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4 Ring Set (1.00mm) 334-1996 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4 Ring Set (1.00mm) 334-1997 4	CYLINDER KIT & COMPONENTS	PART No	QTY
Piston Assy (Includes Pin, Clips and Ring Set)			
Std.   233-7232   4     Ring Set (Std.)   233-7231   4		KM7232	4
Ring Set (Std.)       233-7231       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       288-9942       4         (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)       288-9943       4         (1.00mm)       288-9943       4         Ring Set (1.00mm)       334-1997       4         Cylinder Kit       KM5437       4         Piston Assy (Includes Pin, Clips and Ring Set)       225-5437       4         (Std.)       225-5436       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)         (0.50mm)       288-1394       4         Ring Set (0.50mm)       288-1395       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       253-8755       4         Ring Set (Std.)       253-8755       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)         (0.50mm)       334-2455       4 <td></td> <td>000 7000</td> <td>4</td>		000 7000	4
Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm)   288-9942   4	** ***		-
Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm)	•		-
(0.50mm)   288-9942   4	Liner (Tillished) Toolillii	CMINICOTIMA	7
(0.50mm)   288-9942   4	Piston Assy (Includes Pin, Clips and Ring Set)		
Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm)		288-9942	4
(1.00mm)   288-9943   4	Ring Set (0.50mm)	334-1996	4
(1.00mm)   288-9943   4			
Ring Set (1.00mm)   334-1997   4	Piston Assy (Includes Pin, Clips and Ring Set)		
Cylinder Kit       KM5437       4         Piston Assy (Includes Pin, Clips and Ring Set)       225-5437       4         (Std.)       225-5436       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       288-1394       4         (0.50mm)       288-1394       4         Piston Assy (Includes Pin, Clips and Ring Set)       4       4         (1.00mm)       288-1395       4       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4       4         Piston Assy (Includes Pin, Clips and Ring Set)       (5td.)       253-8755       4         Ring Set (Std.)       233-7231       4       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       (0.50mm)       334-2455       4         Ring Set (0.50mm)       334-1996       4	(1.00mm)	288-9943	4
Piston Assy (Includes Pin, Clips and Ring Set)	Ring Set (1.00mm)	334-1997	4
Piston Assy (Includes Pin, Clips and Ring Set)			
(Std.)       225-5437       4         Ring Set (Std.)       225-5436       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)         (0.50mm)       288-1394       4         Ring Set (0.50mm)       334-2319       4         Piston Assy (Includes Pin, Clips and Ring Set)         (1.00mm)       288-1395       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       (Std.)       253-8755       4         Ring Set (Std.)       233-7231       4       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)         (0.50mm)       334-2455       4         Ring Set (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)         (1.00mm)       334-2456       4		KM5437	4
Ring Set (Std.)       225-5436       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       288-1394       4         (0.50mm)       288-1394       4         Ring Set (0.50mm)       334-2319       4         Piston Assy (Includes Pin, Clips and Ring Set)       4         (1.00mm)       288-1395       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       (Std.)       253-8755       4         Ring Set (Std.)       233-7231       4       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       (0.50mm)       334-2455       4         Ring Set (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)       (1.00mm)       334-2456       4			
Piston Assy (Includes Pin, Clips and Ring Set)			•
Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm)			
(0.50mm)   288-1394   4     Ring Set (0.50mm)   334-2319   4     Piston Assy (Includes Pin, Clips and Ring Set)     (1.00mm)   288-1395   4     Ring Set (1.00mm)   334-2318   4     Cylinder Kit	Liner (Finished) 105mm	KM105MMRS	4
(0.50mm)   288-1394   4     Ring Set (0.50mm)   334-2319   4     Piston Assy (Includes Pin, Clips and Ring Set)     (1.00mm)   288-1395   4     Ring Set (1.00mm)   334-2318   4     Cylinder Kit			
Ring Set (0.50mm)       334-2319       4         Piston Assy (Includes Pin, Clips and Ring Set)       288-1395       4         (1.00mm)       334-2318       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       (Std.)       253-8755       4         Ring Set (Std.)       233-7231       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       334-2455       4         (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)       4         (1.00mm)       334-2456       4		000 1004	4
Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm)			•
(1.00mm)       288-1395       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       253-8755       4         Ring Set (Std.)       233-7231       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       334-2455       4         Ring Set (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)       334-2456       4	King Set (U.SUMM)	334-2319	4
(1.00mm)       288-1395       4         Ring Set (1.00mm)       334-2318       4         Cylinder Kit       KM8755       4         Piston Assy (Includes Pin, Clips and Ring Set)       253-8755       4         Ring Set (Std.)       233-7231       4         Liner (Finished) 105mm       KM105MMRS       4         Piston Assy (Includes Pin, Clips and Ring Set)       334-2455       4         Ring Set (0.50mm)       334-1996       4         Piston Assy (Includes Pin, Clips and Ring Set)       334-2456       4	Picton Accy (Includes Pin Cline and Ping Set)		
Ring Set (1.00mm)   334-2318   4		288-1395	4
Cylinder Kit         KM8755         4           Piston Assy (Includes Pin, Clips and Ring Set)         (Std.)         253-8755         4           Ring Set (Std.)         233-7231         4           Liner (Finished) 105mm         KM105MMRS         4           Piston Assy (Includes Pin, Clips and Ring Set)         (0.50mm)         334-2455         4           Ring Set (0.50mm)         334-1996         4           Piston Assy (Includes Pin, Clips and Ring Set)         (1.00mm)         334-2456         4	• • • • • • • • • • • • • • • • • • • •		•
Piston Assy (Includes Pin, Clips and Ring Set)   (Std.)   253-8755   4     Ring Set (Std.)   233-7231   4     Liner (Finished) 105mm   KM105MMRS   4     Piston Assy (Includes Pin, Clips and Ring Set)   (0.50mm)   334-2455   4     Ring Set (0.50mm)   334-1996   4     Piston Assy (Includes Pin, Clips and Ring Set)   (1.00mm)   334-2456   4	ming ser (1.50mm)	001 2010	•
Piston Assy (Includes Pin, Clips and Ring Set)   (Std.)   253-8755   4     Ring Set (Std.)   233-7231   4     Liner (Finished) 105mm   KM105MMRS   4     Piston Assy (Includes Pin, Clips and Ring Set)   (0.50mm)   334-2455   4     Ring Set (0.50mm)   334-1996   4     Piston Assy (Includes Pin, Clips and Ring Set)   (1.00mm)   334-2456   4	Cylinder Kit	KM8755	4
(Std.)     253-8755     4       Ring Set (Std.)     233-7231     4       Liner (Finished) 105mm     KM105MMRS     4       Piston Assy (Includes Pin, Clips and Ring Set)     (0.50mm)     334-2455     4       Ring Set (0.50mm)     334-1996     4       Piston Assy (Includes Pin, Clips and Ring Set)     (1.00mm)     334-2456     4	•		
Liner (Finished) 105mm   KM105MMRS   4		253-8755	4
Piston Assy (Includes Pin, Clips and Ring Set) (0.50mm)	Ring Set (Std.)	233-7231	4
(0.50mm) 334-2455 4 Ring Set (0.50mm) 334-1996 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4	Liner (Finished) 105mm	KM105MMRS	4
(0.50mm) 334-2455 4 Ring Set (0.50mm) 334-1996 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4			
Ring Set (0.50mm) 334-1996 4  Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4	Piston Assy (Includes Pin, Clips and Ring Set)		
Piston Assy (Includes Pin, Clips and Ring Set) (1.00mm) 334-2456 4	•••••	334-2455	4
(1.00mm) 334-2456 4	Ring Set (0.50mm)	334-1996	4
(1.00mm) 334-2456 4			
• • • • • • • • • • • • • • • • • • • •			
Ring Set (1.00mm) 334-1997 4	• • • • • • • • • • • • • • • • • • • •		
	Ring Set (1.00mm)	334-1997	4

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	232-7519	1
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	225-5498*	8
Cylinder Head	247-4868*	1
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	225-5498*	8
Cylinder Head	225-5505*	1
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	225-5498*	8



# **CATERPILLAR 3054C & E SERIES**

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	359-0716*	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Crankshaft	232-7400	1
	2027.100	1
Gear, Crankshaft (34 Teeth)	216-8314*	11
Main Bearing Set (Std.)	353-7423	1
Main Bearing Set (0.25mm)	353-7424	1
Main Bearing Set (0.50mm)	353-7425	1
Main Bearing Set (0.75mm)	353-7426	1
Main Bearing Set (Std.)	353-7427	1
Main Bearing Set (0.25mm)	353-7428	1
Main Bearing Set (0.50mm)	353-7429	1
Main Bearing Set (0.75mm)	353-7430	i
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing Set (0.18mm)	247-2723	1
	217 27 20	•
Seal Group, Oil Front	288-0422	1
Sleeve, Oil Front	167-2153*	1
Seal Group, Oil Rear & Hsg Assy	232-7449	1
Gasket, Plate	226-8766	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (F-GRADE)	225-5459	4
Conrod (G-GRADE)	225-5458	4
Conrod (H-GRADE)	225-5454	4
Conrod (J-GRADE)	225-5453	4
Conrod (K-GRADE)	225-5451	4
Conrod (L-GRADE)	225-5441	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	225-5438	4
Conrod (B-GRADE)	359-0724*	4
Conrod (G-GRADE)	359-0722*	4
Conrod (O-GRADE)	359-0720*	4
Conrod (P-GRADE)	359-0723*	4
Conrod (R-GRADE)	359-0719*	4
Conrod (W-GRADE)	359-0721*	4
Bolt, Conrod	323-9312*	8
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	350-1846*	1
Camshaft	350-2374	1
Pushrod	067-6095	8
Tappet	138-2053	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	277-5156	1
Gasket, Cylinder Head	258-4946	1
Gasket, Rocker Cover	225-6451	1
Gasket, Exhaust Manifold	225-8536	1
Gasket Kit, Lower	272-0494	1
Gasket Kit, Lower	290-2494	1
Gasket Kit, Lower	272-2232	1
Gasket, Oil Pan	225-6005	1

FUEL SYSTEM & RELATED PARTS	PART No	QTY
Pump Assy, Fuel Transfer & Priming	467-7011*	1
Nozzle, Injector	234-0387*	4
Nozzle, Injector	292-0346*	4
Nozzle, Injector	236-1673*	4
Nozzle, Injector	232-2724*	4
Injector Washer	140-8718	4
Glow Plug , 12 Volts	232-6662	4

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	225-8329	1
Oil Pump	243-4304	1
Balancer Unit	234-0615	1
Gear	234-0204	1
Gear Assy (44 Teeth)	234-0205	1
Oil Cooler (Engine)	233-7222*	1
Gasket, Oil Cooler (Engine)	272-2265*	1
Oil Cooler (Engine)	225-6817	1
Gasket, Oil Cooler (Engine)	272-2265*	1

# **CATERPILLAR 3054C & E SERIES**

COOLING SYSTEM	PART No	QTY
Water Pump Assy	225-8016	1
Repair Kit, Water Pump	247-0144	1
Thermostat	254-2267*	1
Thermostat	254-2268*	1
Thermostat	254-2269*	1

FILTERS	PART No	QTY
Oil Filter	7W2326	1
Oil Filter	1R1801*	1
Fuel Filter Element	350-5172*	1
Fuel Filter Element	276-1806*	1
Water Separator Element	1R1804	1

TURBOCHARGER	PART No	QTY
Turbo	225-8529	1
Turbo	233-9534	1
Turbo	234-2418*	1
Turbo	234-2988	1
Turbo	226-8771*	1
Turbo	238-8567*	1
Turbo	236-4927*	1
Turbo	236-8746	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1
Ring Gear (115 Teeth)	7W6247	1

\* please check with KMP sales for availability



IT IS RECOMMENDED TO CHECK PART NUMBERS PRIOR TO ORDERING
All original equipment, manufacturers' names, part numbers, symbols, drawings, colours and descriptions are for reference purposes only, and it is not implied any part is that of these manufacturers.

All efforts have been made to ensure that the information contained herein is correct.

KM Products Europe Limited cannot be held responsible for its accuracy.

## **CATERPILLAR 3054C & E SERIES - EOK KITS**

KMP225-5437.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	290-2494	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

CHARLES THE TOWN		
KMP225-5437.EOK-E		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	290-2494	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

KMP225-5437.EOK-F		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-2232	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

KMP225-5437.EOK-G		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-2232	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

#### **CATERPILLAR 3054C & E SERIES - EOK KITS**

KMP225-5437.EOK-H		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7427	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-0494	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

KMP225-5437.EOK-I		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-0494	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# Engine Overhaul Kits







# CATERPILLAR C4.4 SERIES

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	362-2190*	1
Cylinder Block	363-5760*	1
Jet Assy , Piston Cooling	276-5605*	4
Bushing, Camshaft (Std.)	232-7440	1
Liner (Finished) 105mm	KM105MMRS	4
Liner (Semi finished) 105mm	KM105MMRS-SF	4

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM5437	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	225-5437	4
Ring Set (Std.)	225-5436	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	288-1394	4
Ring Set (0.50mm)	334-2319	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	288-1395	4
Ring Set (1.00mm)	334-2318	4
•		
Cylinder Kit	KM7232	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	233-7232	4
Ring Set (Std.)	233-7231	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	288-9942	4
Ring Set (0.50mm)	334-1996	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	288-9943	4
Ring Set (1.00mm)	334-1997	4
King Ser (1.50mm)	33T-1777	Т.
Cylinder Kit	KM3395*	4
Piston Assy (Includes Pin, Clips and Ring Set)		·
(Std.)	315-3395	4
Ring Set (Std.)	276-7476	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	396-4592	4
Ring Set (0.50mm)	380-2065	4

CYLINDER KIT & COMPONENTS (Cont.)	PART No	QTY
Cylinder Kit	KM6275	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	277-6275	4
Ring Set (Std.)	225-5436	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	292-9013	4
Ring Set (0.50mm)	334-2319	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(1.00mm)	292-9014	4
Ring Set (1.00mm)	334-2318	4

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	247-4868*	1
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	225-5498*	8
Cylinder Head	315-3389*	1
Valve, Inlet	225-5495	4
Valve, Exhaust	315-3394	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	315-3393*	16
Spring, Valve	436-0522*	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	322-9664	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	315-3392*	8
Cylinder Head	316-7896*	1
Valve, Inlet	315-3390	4
Valve, Exhaust	315-3394	4
Guide, Valve Inlet & Exhaust	185-0882	8
Collet, Valve	315-3393*	16
Spring, Valve	436-0522*	8
Seal, Valve Stem Inlet	252-6438	4
Seal, Valve Stem Exhaust	254-3954	4
Insert, Valve Seat Inlet	322-9664	4
Insert, Valve Seat Exhaust	322-9663	4
Retainer, Valve Spring	315-3392*	8

## **CATERPILLAR C4.4 SERIES**

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft (W/O Spline)	359-0715*	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Crankshaft	232-7400	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Main Bearing Set (Std.)	353-7423	1
Main Bearing Set (0.25mm)	353-7424	1
Main Bearing Set (0.50mm)	353-7425	1
Main Bearing Set (0.75mm)	353-7426	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing Set (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	232-7449	1
Plate, Front Cover	226-8767*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (B-GRADE)	359-0724*	4
Conrod (G-GRADE)	359-0722*	4
Conrod (O-GRADE)	359-0720*	4
Conrod (P-GRADE)	359-0723*	4
Conrod (R-GRADE)	359-0719*	4
Conrod (W-GRADE)	359-0721*	4
Bolt, Conrod	323-9312*	8
Bushing, Conrod	225-5438	4
Conrod (F-GRADE)	225-5459	4
Conrod (G-GRADE)	225-5458	4
Conrod (H-GRADE)	225-5454	4
Conrod (J-GRADE)	225-5453	4
Conrod (K-GRADE)	225-5451	4
Conrod (L-GRADE)	225-5441	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	225-5438	4
<u>.</u>		
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	350-2374	1
Pushrod	067-6095	8
Tappet	138-2053	8
Camshaft	350-2433*	1
Camshaft	380-2600*	1
Pushrod	278-5126	8
Tappet	315-3384	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	277-5156	1
Gasket, Cylinder Head	258-4946	1
Gasket, Rocker Cover	225-6451	1
Gasket, Exhaust Manifold	225-8536	1
Gasket Kit, Lower	272-2232	1
Gasket Kit, Lower	272-0494	1
Gasket, Oil Pan	225-6005	1
Gasket, Plate	225-8287	1
Gasket, Plate	226-8766	1

FUEL SYSTEM & RELATED PARTS	PART No	QTY
Pump Assy, Fuel Transfer & Priming	299-9265	1
Nozzle, Injector	236-1673*	4
Nozzle, Injector	315-3381*	4
Nozzle, Injector	316-7987*	4
Injector Washer	140-8718	4
Glow Plug , 12 Volts	232-6662	4



## **CATERPILLAR C4.4 SERIES**

OIL PUMP & RELATED PARTS	PART No	QTY
Head, Filter Head	249-0974*	1
Gasket, Filter Head	225-7944*	2
Head, Filter Head	249-0975*	1
Gasket, Filter Head	225-7944*	2
Gasket, Filter Head	233-9408*	2
Oil Pump	225-8329	1
Oil Pump	447-8572*	1
Balancer Unit	234-0615	1
Gear	234-0204	1
Gear Assy (44-Teeth)	234-0205	1
Oil Cooler (Engine)	225-6817	1
Gasket, Oil Cooler (Engine)	225-6818*	2
Gasket, Oil Cooler (Engine)	272-2265*	1

FILTERS	PART No	QTY
Oil Filter	7W2326	1
Fuel Filter	1R1804	1
Water separator Element	252-6338	1

TURBOCHARGER	PART No	QTY
Turbo	237-3924	1
Turbo	315-9721*	1
Turbo	316-7989*	1
Turbo	326-9153	1
Turbo	330-0386*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	355-2252	1
Repair Kit, Water Pump	354-4754	1
Thermostat	254-2267*	1
Thermostat	254-2269*	1

<sup>\*</sup> please check with KMP sales for availability



## **CATERPILLAR C4.4 SERIES - EOK KITS**

KMP233-7232.EOK-B DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	233-7232	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-2232	1
Piston Kit 233-7232 Consists of :		
Piston, Pin & Clips	233-7232NR	1
Piston Ring Set	233-7231	1

KMP233-7232.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	233-7232	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	4
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-0494	1
Piston Kit 233-7232 Consists of :		
Piston, Pin & Clips	233-7232NR	1
Piston Ring Set	233-7231	1

KMP225-5437.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-2232	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

KMP225-5437.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	225-5437	4
Valve, Inlet	225-5495	4
Valve, Exhaust	225-5499	4
Collet, Valve	147-1979	16
Spring, Valve	436-0519	8
Retainer, Valve Spring	225-5498	8
Insert, Valve Seat Inlet	329-6655	4
Insert, Valve Seat Exhaust	322-9663	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Upper	277-5156	1
Gasket Kit, Lower	272-0494	1
Piston Kit 225-5437 Consists of :		
Piston, Pin & Clips	225-5437NR	1
Piston Ring Set	225-5436	1

## **CATERPILLAR C4.4 ACERT SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	363-3907*	1
Cylinder Block	366-5613*	1
Jet Assy , Piston Cooling	276-5605*	4
Bushing, Camshaft (Std.)	232-7440	1
Liner (Finished) 105mm	KM105MMRS	4
Liner (Semi finished) 105mm	KM105MMRS-SF	4

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM9905*	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	310-9905*	4
Ring Set (Std.)	276-7476	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	396-4516*	4
Ring Set (0.50mm)	380-2065	4
Cylinder Kit	KM9269*	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(Std.)	310-9269	4
Ring Set (Std.)	276-7476	4
Liner (Finished) 105mm	KM105MMRS	4
Piston Assy (Includes Pin, Clips and Ring Set)		
(0.50mm)	396-4482*	4
Ring Set (0.50mm)	380-2065	4

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	298-4526*	1
Valve, Inlet	309-6678	4
Valve, Exhaust	339-9637	4
Guide, Valve Inlet & Exhaust	380-2073*	8
Collet, Valve	276-8123	16
Spring, Valve	436-0524*	8
Seal, Valve Stem	299-5511	16
Insert, Valve Seat Inlet	377-0399*	4
Insert, Valve Seat Exhaust	377-0400*	4
Retainer, Valve Spring	276-8133*	8

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	359-0716*	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Crankshaft	232-7400	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Main Bearing Set (Std.)	353-7423	1
Main Bearing Set (0.25mm)	353-7424	1
Main Bearing Set (0.50mm)	353-7425	1
Main Bearing Set (0.75mm)	353-7426	1
Thrust Bearing Set (Std.)	247-2717	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing Set (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	232-7449	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (R-GRADE)	359-0719*	4
Conrod (O-GRADE)	359-0720*	4
Conrod (W-GRADE)	359-0721*	4
Conrod (G-GRADE)	359-0722*	4
Conrod (P-GRADE)	359-0723*	4
Conrod (B-GRADE)	359-0724*	4
Bolt, Conrod	323-9312*	8
Bushing, Conrod	225-5438	4
Conrod (F-GRADE)	225-5459	4
Conrod (G-GRADE)	225-5458	4
Conrod (H-GRADE)	225-5454	4
Conrod (J-GRADE)	225-5453	4
Conrod (K-GRADE)	225-5451	4
Conrod (L-GRADE)	225-5441	4
Bolt, Conrod	225-5439	8
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Conrod Bearing Set (0.25mm)	353-2206	1
Conrod Bearing Set (0.50mm)	353-2207	1
Conrod Bearing Set (0.75mm)	353-2208	1

## **CATERPILLAR C4.4 ACERT SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	394-1399*	1
Camshaft	306-2330*	1
Pushrod	278-5126	8
Tappet	315-3384	8

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Cylinder Head	KMP-C4.4-K1*	1
Gasket Kit, Cylinder Block	KMP-C4.4-K2*	1
Head Gasket	310-8520	1
Valve Cover Gasket	298-4546	1
Turbo Gasket	194-5390	1
Turbo Gasket	225-8530	1
Rocker Box Gasket	298-4552	1
Oil Pan Gasket	237-5932	1
Exhaust Manifold Gasket	298-4570	1
Gasket, Plate	226-8766	1
Gasket, Plate	225-8287	1

FUEL SYSTEM & RELATED PARTS	PART No	QTY
Injector	321-1070*	4
Injector	320-0670*	4
Injector	320-0680*	4
Injector	320-0688*	4
Injector	320-0677*	4
Seal , Injector	274-1639	4
Washer, Injector	287-7637*	4



Tappet 315-3384

OIL PUMP & RELATED PARTS	PART No	QTY
Head, Filter Head	249-0974*	1
Gasket, Filter Head	225-7944*	2
Head, Filter Head	249-0975*	1
Gasket, Filter Head	225-7944*	2
Gasket, Filter Head	233-9408*	2
Oil Pump	447-8572*	1
Balancer Unit	234-0615	1
Gear	234-0204	1
Gear Assy (44-Teeth)	234-0205	1
Oil Cooler (Engine)	298-4558*	1
Gasket, Oil Cooler (Engine)	298-4560	2
Gasket, Oil Cooler (Engine)	353-7715*	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	354-4754	1
Thermostat Assy	417-7782*	1

FILTERS	PART No	QTY
Oil Filter	7W2326	1
Fuel Filter Element (Secondary)	343-7104*	1
Fuel Filter Element (Primary)	299-8229	1

TURBOCHARGER	PART No	QTY
Turbo	316-0477	1
Turbo	316-0510*	1
Turbo	316-0525*	1
Turbo	316-0555*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

 $<sup>^{</sup>st}$  please check with KMP sales for availability

# **CATERPILLAR C4.4 ACERT SERIES - EOK KITS**

KMP310-9269.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	310-9269	4
Valve, Inlet	309-6678	4
Valve, Exhaust	339-9637	4
Collet, Valve	276-8123	16
Spring, Valve	436-0524	8
Retainer, Valve Spring	276-8133	8
Insert, Valve Seat Inlet	377-0399	4
Insert, Valve Seat Exhaust	377-0400	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Cylinder Head	KMP-C4.4-K1	1
Gasket Kit, Cylinder Block	KMP-C4.4-K2	1
Piston Kit 310-9269 Consists of :		
Piston, Pin & Clips	310-9269NR	1
Piston Ring Set	276-7476	1

DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7423	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	4
Conrod Bearing Set (Std.)	353-2205	1
Piston Assy	310-9905	4
Valve, Inlet	309-6678	4
Valve, Exhaust	339-9637	4
Collet, Valve	276-8123	16
Spring, Valve	436-0524	8
Retainer, Valve Spring	276-8133	8
Insert, Valve Seat Inlet	377-0399	4
Insert, Valve Seat Exhaust	377-0400	4
Bushing, Camshaft (Std.)	232-7440	1
Gasket Kit, Cylinder Head	KMP-C4.4-K1	1
Gasket Kit, Cylinder Block	KMP-C4.4-K2	1
Piston Kit 310-9905 Consists of :		
Piston, Pin & Clips	310-9905NR	1
Piston Ring Set	276-7476	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# Engine Overhaul Kits



# **CATERPILLAR 3056 SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-5565*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1
Liner	610164	6
Liner	111-1815	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM0264A	6
Piston Assy (Includes Pin and Clips)	135-0264	6
Ring Set	146-1780	6
Liner	111-1815	6
Cylinder Kit	KM0264B	6
Piston Assy (Includes Pin and Clips)	135-0264	6
Ring Set	146-1780	6
Liner	610164	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	161-9819*	1
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	6
Spring, Valve Inner	610284	6
Seal, Valve Stem	1W5849	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Cap, Valve Spring	610281	12
Cylinder Head	198-9250*	1
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	6
Spring, Valve Inner	610284	6
Seal, Valve Stem	1W5849	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Cap, Valve Spring	610281	12

CYLINDER HEAD & COMPONENTS (Cont.)	PART No	QTY
Cylinder Head	132-9254*	1
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	6
Spring, Valve Inner	610284	6
Seal, Valve Stem Inlet & Exhaust	1W5849	12
Washer, Valve Spring	067-6054*	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Cap, Valve Spring	610281	12

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	300-1025	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear	4W5360	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	067-6879	6
Bolt, Conrod	067-6883	12
Nut, Conrod	7W2505	12
Bushing, Conrod	067-6158	6
Conrod Bearing Set (Std.)	353-2752	1
Conrod Bearing Set (0.25mm)	353-2753	1
Conrod Bearing Set (0.50mm)	353-2754	1
Conrod Bearing Set (0.75mm)	353-2755*	1

#### **CATERPILLAR 3056 SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	364-1119*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	12
Tappet	138-2053	12

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	187-3615	1
Gasket, Cylinder Head	156-4173	1
Gasket, Rocker Cover	614730	1
Gasket, Exhaust Manifold	7C1240	1
Gasket, Exhaust Manifold	7C1241	2
Gasket Kit, Lower	222-5836	1
Gasket, Oil Pan	614710	1
Gasket, Rear Seal Hsg.	172-4584*	1
Gasket, Rocker Cover	126-2238	1
Gasket, Oil Pan	213-9710	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer & Priming	132-9447	1
Repair Kit, Fuel Transfer	171-1384	1
Gasket, Fuel Transfer	231-4457*	1
Nozzle, Injector	102-9902*	6
Nozzle, Injector	220-0491*	6
Injector Washer	033-7873	6

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	614370	1
Oil Pump	100-3717	1
rd. Ad	7140007	
Filter, Oil	7W2327	2
Oil Cooler (Engine)	614790	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	291-5304	1
Kit, Water Pump	614723*	1
Water Pump Assy	239-2106	1
Thermostat	4W8063	2

FILTERS	PART No	QTY
Oil Filter	7W2327	2
Fuel Filter (Primary)	159-6102	1
Water separator Element	138-3100	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



# **CATERPILLAR 3056 SERIES - EOK KITS**

KMP135-0264.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	067-6158	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM0264A	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	6
Spring, Valve Outer	610283	6
Cap, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM0264A Consists of :		
Liner	111-1815	1
Ring Set	146-1780	1
Piston, Pin & Clips	135-0264	1

KMP135-0264.FOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	067-6158	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM0264A	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	6
Spring, Valve Outer	610283	6
Cap, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM0264A Consists of :		
Liner	111-1815	1
Ring Set	146-1780	1
Piston, Pin & Clips	135-0264	1

KMP135-0264.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	067-6158	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM0264B	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	6
Spring, Valve Outer	610283	6
Cap, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM0264B Consists of :		
Liner	610164	1
Ring Set	146-1780	1
Piston, Pin & Clips	135-0264	1

KMP135-0264.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	067-6158	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM0264B	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	6
Spring, Valve Outer	610283	6
Cap, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM0264B Consists of :		
Liner	610164	1
Ring Set	146-1780	1
Piston, Pin & Clips	135-0264	1

## **CATERPILLAR 3056DIT SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-5565*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM1390A	6
Piston Assy (Includes Pin and Clips)	152-1390	6
Ring Set	138-2073	6
Liner	111-1815	6
Cylinder Kit	KM1390B	6
Piston Assy (Includes Pin and Clips)	152-1390	6
Ring Set	138-2073	6
Liner	610164	6
Cylinder Kit	KM7021A	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM7021B	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	610164	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	164-6099*	1
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Guide, Valve Inlet	185-0882	6
Guide, Valve Exhaust	163-9256	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Seal, Valve Stem Inlet	145-6856	6
Seal, Valve Stem Exhaust	145-6858	6
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Retainer, Valve Spring	138-2060	12

CRANKSHAFT & RELATED PARTS	PART No	QTY
Type 1		
Crankshaft	193-0159	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Туре 2		
Crankshaft	300-1025	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
most bearing (0.10mm)	241-2123	ı
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear	4W5360	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1





Liner Kit includes Liner, Piston, Pin, Rings and Clips. Liner seals are included where required.

## **CATERPILLAR 3056DIT SERIES**

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade F)	225-5459	6
Conrod (Grade G)	225-5458	6
Conrod (Grade H)	225-5454	6
Conrod (Grade J)	225-5453	6
Conrod (Grade K)	225-5451	6
Conrod (Grade L)	225-5441	6
Bushing, Conrod	225-5438	6
Bolt, Conrod	225-5439	12
Conrod Bearing Set (Std.)	353-2752	1
Conrod Bearing Set (0.25mm)	353-2753	1
Conrod Bearing Set (0.50mm)	353-2754	1
Conrod Bearing Set (0.75mm)	353-2755*	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	360-3197*	1
Bushing, Gear Assy	067-6899	2
Pushrod	067-6095	12
Tappet	138-2053	12
Bush, Rocker Arm	209-0093	12

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	187-1963	1
Gasket, Cylinder Head	156-4173	1
Gasket, Rocker Cover	200-6373	1
Gasket, Exhaust Manifold	162-2088	1
Gasket Kit, Lower	232-3102	1
Gasket Kit, Lower	222-5836	1
Gasket, Oil Pan	614710	1
Gasket, Plate	177-2391	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer & Priming	132-9447	1
Pump Assy, Fuel Transfer	143-8498*	1
Repair Kit, Fuel Transfer	171-1384	1
Nozzle, Injector	145-8324*	6
Nozzle, Injector	186-6538*	6
Injector Washer	140-8718	6
Injector Pump	145-8909*	1
Solenoid, Fuel Shut Off	208-5029*	1

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	100-3717	1
Oil Cooler (Engine)	249-0832	1
Seal, Oil Cooler (Engine)	162-9754*	2

COOLING SYSTEM	PART No	QTY
Water Pump Assy	172-7207	1
Kit, Water Pump	234-0636	1
Water Pump Assy	239-6142	1
Kit, Water Pump	234-0636	1
Water Pump Assy	198-9875	1
Kit, Water Pump	177-8782	1
Thermostat	220-2748	1



Conrod Bushes

# **CATERPILLAR 3056DIT SERIES**

FILTERS	PART No	QTY
Filter, Oil	7W2327	2
Oil Filter	209-0036	1
Fuel Filter	145-4501	1
Fuel Filter , Primary	226-4826	1
Element, Water separator	138-3100	1

TURBOCHARGER	PART No	QTY
Turbo	141-9768*	1
Cartridge	166-2870*	1
Turbo	166-2881*	1
Cartridge	166-2884*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



offer a full range of Turbochargers, Cartridges and Repair Kits for both Heavy Duty and Agricultural applications. Please view online or request brochure 98AD



## **CATERPILLAR 3056DIT SERIES - EOK KITS**

KMP112-7021.EOK-M		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

WINTER TOOL TOWN		
KMP112-7021.EOK-N	DADT N	OTV
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021 FOK-0		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-P		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

## **CATERPILLAR 3056DIT SERIES - EOK KIT**

KMP152-1390.EOK-I		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390A	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-J		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390B	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-K		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390A	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-L		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390B	6
Valve, Inlet	138-2052	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	138-2057	6
Insert, Valve Seat Exhaust	138-2056	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1





REQUEST UK SHOPPING CART LOGIN EXISTING UK SHOPPING CART LOGIN Search ...

器~

HOME PARTS KMP WORLDWIDE ABOUT KMP CUSTOMER SUPPORT MARKETING SHOPPING CART

#### Warranty

All KMP Brand @ replacement parts ("Parts") sold by KM Products Europe Ltd., KMP\*USA Ltd. ("KMP") are warranted to be free from defects in material and manufacture when correctly installed and operated under normal use and conditions in a properly serviced and maintained machine

#### CONDITIONS

This warranty is valid for eighteen months from the date of shipment or twelve months from the date of placement into service, whichever is the earlier. During this period "KMP" will, at its discretion, replace any Parts which are found upon its inspection to be defective in material or manufacture. Replacement Parts will be provided to the customer at a place of business of "KMP" or other establishment authorised by "KMP". The Warranty does not include labour to remove or replace parts.

#### LIMITATIONS

Fitting of "KMP" parts must be in accordance with the latest version of the OEM workshop and installation manuals. All lubricants, fuel and coolant used must be to the OEM specification.

"KMP" must be notified in writing by the customer of any Warranty claim. "KMP" reserves the right to examine every item that is subject to a claim under this Warranty and the right to examine any associate parts of the engine/machine plus any relevant documentation.

Parts that are subject to a claim under this Warranty must not be removed from the machine or returned to "KMP" until "KMP" issues written authorisation. Any parts authorised by "KMP" to be returned must be tagged with the "KMP" Returns Reference (RR) Number that has been issued by the "KMP" claims department.

"KMP" does not warrant any of its Parts that have been altered from the original specifications, misused, or damaged by accident or negligence or where the engine specification has been changed from the OEM standard (eg. increased power, non-standard fuel pump



# **CATERPILLAR 3056 (DINA) SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-5565*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM1390A	6
Piston Assy (Includes Pin and Clips)	152-1390	6
Ring Set	138-2073	6
Liner	111-1815	6
Cylinder Kit	KM1390B	6
Piston Assy (Includes Pin and Clips)	152-1390	6
Ring Set	138-2073	6
Liner	610164	6
Cylinder Kit	KM7021A	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM7021B	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	610164	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	198-9250*	1
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Seal, Valve Stem	1W5849	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Retainer, Valve Spring	610281	12

CRANKSHAFT & RELATED PARTS	PART No	QTY
Туре 1		
Crankshaft	193-0159	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Туре 2		
Crankshaft	300-1025	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear	4W5360	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade F)	225-5459	6
Conrod (Grade G)	225-5458	6
Conrod (Grade H)	225-5454	6
Conrod (Grade J)	225-5453	6
Conrod (Grade K)	225-5451	6
Conrod (Grade L)	225-5441	6
Bushing, Conrod	225-5438	6
Bolt, Conrod	225-5439	12
Conrod Bearing Set (Std.)	353-2752	1
Conrod Bearing Set (0.25mm)	353-2753	1
Conrod Bearing Set (0.50mm)	353-2754	1
Conrod Bearing Set (0.75mm)	353-2755*	1

# **CATERPILLAR 3056 (DINA) SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	360-3197*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	12
Tappet	138-2053	12
Bush, Rocker Arm	209-0093	12

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	187-1963	1
Gasket, Cylinder Head	156-4173	1
Gasket, Rocker Cover	200-6373	1
Gasket, Exhaust Manifold	162-2088	1
Gasket Kit, Lower	232-3102	1
Gasket Kit, Lower	222-5836	1
Gasket, Oil Pan	032-9946	1
Gasket, Plate	177-2391	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer & Priming	132-9447	1
Repair Kit, Fuel Transfer	171-1384	1
Nozzle, Injector	147-6240*	6
Injector Washer	140-8718	6
Fuel Line, Leak Off	145-8326*	1

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	100-3717	1
Oil Cooler (Engine)	249-0832	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	172-7207	1
Kit, Water Pump	234-0636	1
Water Pump Assy	239-6142	1
Kit, Water Pump	234-0636	1
Water Pump Assy	198-9875	1
Kit, Water Pump	177-8782	1
Thermostat	220-2748	1

FILTERS	PART No	QTY
Filter, Oil	7W2327	2
Oil Filter	209-0036	1
Fuel Filter	145-4501	1
Fuel Filter , Primary	226-4826	1
Element, Water separator	138-3100	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

 $<sup>^{\</sup>ast}$  please check with KMP sales for availability



# **CATERPILLAR 3056 (DINA) SERIES - EOK KITS**

KMP112-7021.EOK-Q		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021 FOK-R		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-S		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-T		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

# **CATERPILLAR 3056 (DINA) SERIES - EOK KITS**

KMP152-1390.EOK-M		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390A	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-N		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390B	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	232-3102	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390.EOK-0		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390A	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM1390A Consists of :		
Liner	111-1815	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1

KMP152-1390 FOK-P		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM1390B	6
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-1963	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM1390B Consists of :		
Liner	610164	1
Ring Set	138-2073	1
Piston, Pin & Clips	152-1390	1



## **CATERPILLAR 3056T SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	209-5565*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
USE WHEN RATED LESS THEN 2300 RPM		
Cylinder Kit	KM2553A	6
Piston Assy (Includes Pin and Clips)	107-2553	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM2553B	6
Piston Assy (Includes Pin and Clips)	107-2553	6
Ring Set	112-7020	6
Liner	610164	6
USE WHEN RATED 2300 RPM AND ABOVE		
Cylinder Kit	KM7021A	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM7021B	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	610164	6
Cylinder Kit	KM0824A	6
Piston Assy (Includes Rings and Pin)	176-0824	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM0824B	6
Piston Assy (Includes Rings and Pin)	176-0824	6
Ring Set	112-7020	6
Liner	611064	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	161-9819*	1
Valve, Inlet	100-4626	6
Valve, Iniei Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	12
Spring, Valve Inner	610284	12
Seal, Valve Stem	1W5849	12
Insert, Valve Seat Inlet	109-3427	6
Insert, Valve Seat Exhaust	109-3427	6
Retainer, Valve Spring	610281	12
retumet, varve spring	UIUZUI	12
Cylinder Head	198-9250*	1
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Insert, Valve Inlet	611197	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	12
Spring, Valve Inner	610284	12
Seal, Valve Stem	1W5849	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Retainer, Valve Spring	610281	12
Cylinder Head	132-9254*	1
Valve, Inlet	611196	6
Valve, Exhaust	7W4602	6
Guide, Valve Inlet	160-5436	6
Guide, Valve Exhaust	160-5438	6
Collet, Valve	067-6834	24
Spring, Valve Outer	610283	12
Spring, Valve Inner	610284	12
Seal, Valve Stem Inlet & Exhaust	1W5849	12
Washer, Valve Spring	067-6054*	12
Insert, Valve Seat Inlet	611197	6
Insert, Valve Seat Exhaust	109-3428	6
Cap, Valve Spring	610281	12



Valve Train Components

# **CATERPILLAR 3056T SERIES**

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	300-1025	1
Gear, Crankshaft (28 Teeth)	610223	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear	4W5360	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1
Sleeve, Rear Seal	219-2512*	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	240-9954	6
Bushing, Conrod	240-9955	6
Bolt, Conrod	225-5439	12
Bushing, Conrod	7W2510	6
Bolt, Conrod	067-6883	12
Nut, Conrod	7W2505	12
Conrod Bearing Set (Std.)	353-2752	1
Conrod Bearing Set (0.25mm)	353-2753	1
Conrod Bearing Set (0.50mm)	353-2754	1
Conrod Bearing Set (0.75mm)	353-2755*	1

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	364-1119*	1
Bushing, Idler Gear	067-6899	1
Pushrod	067-6095	12
Tappet	138-2053	12

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	187-3615	1
Gasket, Cylinder Head	156-4173	1
Gasket, Rocker Cover	614730	1
Gasket, Exhaust Manifold	7C1241	2
Gasket, Exhaust Manifold	7C1240	1
Gasket Kit, Lower	222-5836	1
Gasket, Oil Pan	614710	1
Gasket, Rocker Cover	126-2238	1
Gasket, Plate	610838	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer & Priming	132-9447	1
Repair Kit, Fuel Transfer	171-1384	1
Gasket, Fuel Transfer	231-4457*	1
Nozzle, Injector	101-4388*	6
Nozzle, Injector	220-0491*	6
Injector Washer	033-7873	6

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	100-3717	1
Oil Cooler (Engine)	103-1062	1
Oil Cooler (Engine)	175-3915	1

## **CATERPILLAR 3056T SERIES**

COOLING SYSTEM	PART No	QTY
Water Pump Assy	291-5304	1
Kit, Water Pump	614723*	1
Water Pump Assy	239-2106	1
Thermostat	4W8063	2

FILTERS	PART No	QTY
Oil Filter	7W2327	2
Fuel Filter (Primary)	159-6102	1
Water separator Element	138-3100	1

TURBOCHARGER	PART No	QTY
Turbocharger	103-1082*	1
Cartridge	112-5595*	1

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

<sup>\*</sup> please check with KMP sales for availability



## **CATERPILLAR 3056T SERIES - EOK KITS**

KMP112-7021.EOK-U		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-V		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP107-2553.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM2553A	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM2553A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	107-2553	1

KMP107-2553.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM2553B	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM2553B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	107-2553	1

# **CATERPILLAR 3056T SERIES - EOK KITS**

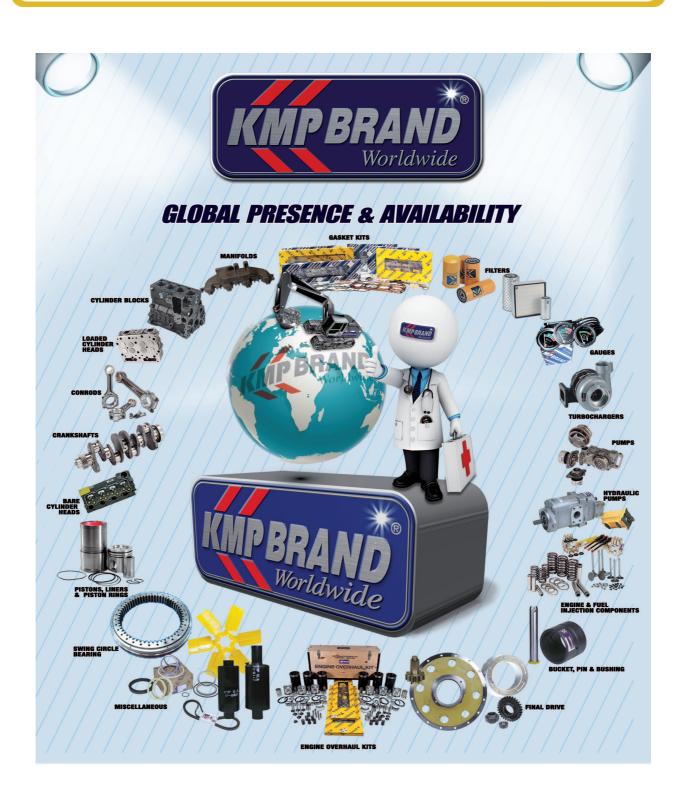
KMP112-7021.EOK-W		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-X		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP107-2553.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM2553A	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
·		
Cylinder Kit KM2553A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	107-2553	1

KMP107-2553.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	7W2510	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM2553B	6
Valve, Inlet	100-4626	6
Valve, Exhaust	7W4602	6
Collet, Valve	067-6834	24
Spring, Valve Inner	610284	12
Spring, Valve Outer	610283	12
Retainer, Valve Spring	610281	12
Insert, Valve Seat Inlet	130-1501	6
Insert, Valve Seat Exhaust	109-3428	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	187-3615	1
Gasket Kit, Lower	222-5836	1
Cylinder Kit KM2553B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	107-2553	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.



#### **CATERPILLAR 3056E SERIES**

CYLINDER BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	216-8235*	1
Jet Assy , Piston Cooling	148-3026*	1
Bushing, Camshaft (Std.)	036-5802	1

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM8323	6
Piston Assy (Includes Pin, Clips and Rings)	216-8323	6
Ring Set	217-1573	6
Liner	111-1815	6
Cylinder Kit	KM7021A	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	111-1815	6
Cylinder Kit	KM7021B	6
Piston Assy (Includes Pin and Clips)	112-7021	6
Ring Set	112-7020	6
Liner	610164	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	216-8335*	1
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Guide, Valve Inlet	185-0882	6
Guide, Valve Exhaust	163-9256	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	12
Seal, Valve Stem Inlet	145-6856	12
Seal, Valve Stem Exhaust	145-6858	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Retainer, Valve Spring	138-2060	12

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	240-8467*	1
Gear, Crankshaft (34 Teeth)	216-8314*	1
Main Bearing Set (Std.)	353-7415	1
Main Bearing Set (0.25mm)	353-7416	1
Main Bearing Set (0.50mm)	353-7417	1
Main Bearing Set (0.75mm)	353-7418	1
Thrust Bearing (Std.)	032-9090	2
Thrust Bearing (Std.)	032-9091	2
Thrust Bearing (0.18mm)	247-2723	1
Seal Group, Oil Front	288-0422	1
Seal Group, Oil Rear & Hsg Assy	209-9218	1

CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade F)	225-5459	6
Conrod (Grade G)	225-5458	6
Conrod (Grade H)	225-5454	6
Conrod (Grade J)	225-5453	6
Conrod (Grade K)	225-5451	6
Conrod (Grade L)	225-5441	6
Bolt, Conrod	225-5439	12
Bushing, Conrod	225-5438	6
Bolt, Conrod	067-6883	12
Nut, Conrod	7W2505	6
Bushing, Conrod	320-2352	6
Conrod Bearing Set (Std.)	353-2752	1
Conrod Bearing Set (0.25mm)	353-2753	1
Conrod Bearing Set (0.50mm)	353-2754	1
Conrod Bearing Set (0.75mm)	353-2755*	1





offer standard and oversize bearing sets for all Heavy Duty and Agricultural applications.

#### **CATERPILLAR 3056E SERIES**

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft	360-3197*	1
Pushrod	067-6095	12
Tappet	138-2053	12

COOLING SYSTEM	PART No	QTY
Water Pump Assy	234-6110	1
Kit, Water Pump	234-0636	1
Thermostat	220-2748	1

GASKET KITS & COMMON GASKETS	PART No	QTY
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Gasket, Cylinder Head	156-4173	1
Gasket, Rocker Cover	216-9604	1
Gasket, Oil Pan	614710	1
Gasket, Exhaust Manifold	216-8712	2
Gasket, Exhaust Manifold	7C1241	2
Gasket, Plate	177-2391	1

FILTERS	PART No	QTY
Oil Filter	7W2327	2
Fuel Filter (Primary)	145-4501	1
Water separator Element	138-3100	1

FUEL SYSTEM	PART No	QTY
Pump Assy, Fuel Transfer & Priming	255-2453	1
Gasket, Fuel Transfer	231-4457*	1
Injector	216-9786*	6
Injector Washer	140-8718	6

TURBOCHARGER	PART No	QTY
Turbocharger	220-8182*	1
Turbocharger	216-8685	1
Turbocharger	233-8648*	1
Turbocharger	281-3216*	1
Turbocharger	226-3572*	1
Turbocharger	236-1811*	1

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	216-8625	1

Oil Cooler (Engine)

249-0832

FLYWHEEL RING GEAR	PART No	QTY
Ring Gear (126 Teeth)	033-7687	1

\* please check with KMP sales for availability



KMPBRAND provide a comprehensive range of Fuel Pumps

#### **CATERPILLAR 3056E SERIES - EOK KITS**

KMP112-7021.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP112-7021.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

KMP216-8323.EOK-A DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	320-2352	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM8323	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM8323 Consists of :		
Liner	111-1815	1
Ring Set	217-1573	1
Piston, Pin & Clips	216-8323	1

KMP112-7021.EOK-C		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021A	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM7021A Consists of :		
Liner	111-1815	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

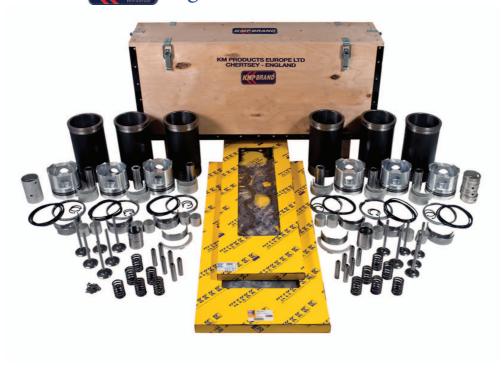
#### **CATERPILLAR 3056E SERIES - EOK KITS**

KMP112-7021.EOK-D		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM7021B	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM7021B Consists of :		
Liner	610164	1
Ring Set	112-7020	1
Piston, Pin & Clips	112-7021	1

DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	353-7415	1
Thrust Bearing Set(Std.)	032-9090/1	1
Bushing, Conrod	225-5438	6
Conrod Bearing Set (Std.)	353-2752	1
Cylinder Kit	KM8323	6
Valve, Inlet	145-6855	6
Valve, Exhaust	138-2050	6
Collet, Valve	147-1979	24
Spring, Valve	206-4127	6
Retainer, Valve Spring	138-2060	12
Insert, Valve Seat Inlet	216-8332	6
Insert, Valve Seat Exhaust	216-8333	6
Bushing, Camshaft (Std.)	036-5802	1
Gasket Kit, Upper	216-9612	1
Gasket Kit, Lower	216-9616	1
Cylinder Kit KM8323 Consists of :		
Liner	111-1815	1
Ring Set	217-1573	1
Piston, Pin & Clips	216-8323	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# Engine Overhaul Kits





# **CATERPILLAR C6.6 ACERT SERIES**

CYL. BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	306-6845*	1
Jet Assy , Piston Cooling	276-5606*	1
Bushing, Camshaft (Std.)	370-6545	1
Liner (Finished) 105mm	KM105MMRS	6
Liner (Semi finished) 105mm	KM105MMRS-SF	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM2224	6
Piston Assy (Includes Pin, Clips and Rings)	282-2224	6
Ring Set (Std.)	276-7476	6
Liner (Finished) 105mm	KM105MMRS	6
Cylinder Kit	KM2063*	6
Piston Assy (Includes Pin, Clips and Rings)	380-2063*	6
Ring Set	380-2065	6
Liner (Finished) 105mm	KM105MMRS	6
Cylinder Kit	KM7475	6
Piston Assy (Includes Pin, Clips and Rings)	276-7475	6
Ring Set	276-7476	6
Liner (Finished) 105mm	KM105MMRS	6
Cylinder Kit	KM2062*	6
Piston Assy (Includes Pin and Clips)	380-2062	6
Ring Set	380-2065	6
Liner (Finished) 105mm	KM105MMRS	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	276-8115*	1
Valve, Inlet	309-6678	12
Valve, Exhaust	339-9637	12
Guide, Valve	380-2073*	24
Collet, Valve	276-8123	48
Spring, Valve	436-0521*	24
Seal, Valve Stem	299-5511	24
Insert, Valve Seat Inlet	377-0399*	12
Insert, Valve Seat Exhaust	377-0400*	12
Retainer, Valve Spring	276-8133*	24
Cylinder Head	309-6663*	1
Valve, Inlet	309-6678	12
Valve, Exhaust	339-9637	12
Guide, Valve	380-2073*	24
Collet, Valve	276-8123	48
Spring, Valve	436-0521*	24
Seal, Valve Stem	299-5511	24
Insert, Valve Seat Inlet	377-0399*	12
Insert, Valve Seat Exhaust	377-0400*	12
Retainer, Valve Spring	276-8133*	24

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	276-7387	1
Gear, Crankshaft (34 Teeth)	276-7391*	1
Main Bearing Set (Std.)	360-1978	1
Main Bearing Set (0.25mm)	360-1978A	1
Main Bearing Set (0.50mm)	360-1978B	1
Main Bearing Set (0.75mm)	360-1978C	1
Thrust Bearing (Std.)	364-5145	1
Seal Group, Oil Front	277-3013	1
Seal Group, Oil Rear & Hsg Assy	292-0886*	1



CONROD & RELATED PARTS	PART No	QTY
Conrod (Grade G)	331-0290*	6
Conrod (Grade B)	331-0292*	6
Conrod (Grade R)	331-0291*	6
Bolt, Conrod	323-9312*	12
Bushing, Conrod	276-7478	6
Conrod Bearing Set (Std.)	360-1564	1
Conrod Bearing Set (0.25mm)	458-7918	1
Conrod Bearing Set (0.50mm)	458-7939	1
Conrod Bearing Set (0.75mm)	458-7940	1

# **CATERPILLAR C6.6 ACERT SERIES**

CAMSHAFT & RELATED PARTS		
Camshaft	347-1131*	1
Camshaft	347-1132*	1
Gear, Camshaft (73 Teeth)	425-7103*	1
Pushrod	278-5126	12
Tappet	278-5125	12

GASKET KITS & COMMON GASKETS	PART No	QTY
Covers S/N 667, C8N		
Gasket Kit, Upper	KMP-C6.6-K1A*	1
Gasket, Cylinder Head	422-4438*	1
Gasket, Rocker Cover	256-7704*	1
Gasket, Exhaust Manifold	349-1834*	2
Covers S/N 667, C8N		
Gasket Kit, Lower	KMP-C6.6-K2A	1
Gasket, Oil Pan	275-9884*	1
Covers S/N LC6, MRW, N6D, DSA, 666,		
PHO, C6T, C6E, G9G		
Gasket Kit, Upper	KMP-C6.6-K1B	1
Gasket, Cylinder Head	176-3141	1
Gasket, Rocker Cover	277-5063*	1
Gasket, Exhaust Manifold	279-9361*	2
Covers S/N LC6, MRW, N6D, DSA, 666,		
PHO, C6T, C6E, G9G		
Gasket Kit, Lower	KMP-C6.6-K2B	1
Gasket, Oil Pan	275-9884*	1

FUEL SYSTEM	PART No	QTY
Injector	321-1070*	6
Injector	321-1080*	6
Injector	321-0990*	6
Injector Washer	287-7637*	6
Injector Seal	274-1639	6

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump	373-8014	1
Oil Cooler (Engine)	281-7039*	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	354-4754	1

FILTERS	PART No	QTY
Oil Filter	462-1171*	1
Fuel Filter (Primary)	299-8229	1
Fuel Filter (Primary)	368-5934*	1
Fuel Filter (Primary)	368-5933*	1
Water separator Element	326-1644	1

TURBOCHARGER	PART No	QTY
Turbocharger	316-0413	1
Turbocharger	420-2372*	1
Turbocharger	315-9810	1
Turbocharger	330-9598*	1

FLYWHEEL RING GEAR	PART No	QTY
Gear, Flywheel Ring Gear (134 Teeth)	277-0588*	1

<sup>\*</sup> please check with KMP sales for availability





Electronic Fuel Pump 467-7011

#### **CATERPILLAR C6.6 ACERT SERIES - EOK KITS**

KMP276-7475.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	360-1978	1
Thrust Bearing (Std.)	364-5145	1
Bushing, Conrod	276-7478	6
Conrod Bearing Set (Std.)	360-1564	1
Piston Assy	276-7475	6
Valve, Inlet	309-6678	12
Valve, Exhaust	339-9637	12
Collet, Valve	276-8123	48
Spring, Valve	436-0521	24
Retainer, Valve Spring	276-8133	24
Insert, Valve Seat Inlet	377-0399	12
Insert, Valve Seat Exhaust	377-0400	12
Bushing, Camshaft (Std.)	370-6545	1
Gasket Kit, Upper	KMP-C6.6-K1B	1
Gasket Kit, Lower	KMP-C6.6-K2B	1
Piston Kit 276-7475 Consists of :		
Piston, Pin & Clips	276-7475NR	1
Piston Ring Set	276-7476	1

KMP282-2224.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing Set (Std.)	360-1978	1
Thrust Bearing (Std.)	364-5145	1
Bushing, Conrod	276-7478	6
Conrod Bearing Set (Std.)	360-1564	1
Piston Assy	282-2224	6
Valve, Inlet	309-6678	12
Valve, Exhaust	339-9637	12
Collet, Valve	276-8123	48
Spring, Valve	436-0521	24
Retainer, Valve Spring	276-8133	24
Insert, Valve Seat Inlet	377-0399	12
Insert, Valve Seat Exhaust	377-0400	12
Bushing, Camshaft (Std.)	370-6545	1
Gasket Kit, Upper	KMP-C6.6-K1B	1
Gasket Kit, Lower	KMP-C6.6-K2B	1
Piston Kit 282-2224 Consists of :		
Piston, Pin & Clips	282-2224NR	1
Piston Ring Set	276-7476	1

<sup>\*\*</sup>Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# KMPBRAND Engine Overhaul Kits





CYL. BLOCK & COMPONENTS	PART No	QTY
Nozzle, Piston Cooling	168-4539*	6
Nozzle, Piston Cooling	145-6860*	6
Nozzle, Piston Cooling	277-3076	6
Nozzle, Piston Cooling	7W4990	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM5566	6
Crown, Piston	149-5566	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Cylinder Kit	KM5201*	6
Crown, Piston	136-5201*	6
Skirt, Piston	136-5202*	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Jour Kii, Cyllindor Ellior	100-707 4	
Cylinder Kit	KM2837	6
Crown, Piston	135-2837	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Cylinder Kit	KM2716*	6
Body, Piston	108-2716*	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
	-	6
Ring, Piston (Oil)	7N7078	
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM2888	6
Crown, Piston	7C2888	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
beur Kii, Cyllilder Liller	100-7074	U
Cylinder Kit	KM6664*	6
Crown, Piston	132-6664*	6
Skirt, Piston	147-6955*	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	147-6953*	6
Ring, Piston (Intermediate)	147-6954*	6
Ring, Piston (Oil)	147-7327*	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Cylinder Kit	KM7537*	6
Crown, Piston	133-7537*	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Culinday Vit	VM0E00*	
Cylinder Kit	KM8500* 139-8500*	6
Crown, Piston		6
Skirt, Piston	284-6039 168-7246	6
Piston Pin	7E1177	
Retainer, Piston Pin		6
Ring, Piston (Top) Ring, Piston (Intermediate)	153-4101 139-8504	6
Ring, Piston (Oil)	139-8505	6
Cylinder Liner	132-6881	6
Seal Kit, Cylinder Liner	KM-SK-C16	6
our Mr, Cymruci Linei	WM-2V-C10	U
Cylinder Kit	KM8500A*	6
Crown, Piston	139-8500*	6
Skirt, Piston	284-6039	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	153-4101	6
Ring, Piston (Intermediate)	139-8504	6
Ring, Piston (Oil)	139-8505	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Culindar Vit	KM6700	6
Cylinder Kit Crown,Piston	145-6700	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
	7N7078	6
Ring, Piston (Oil)	197-9322	6
Cylinder Liner		6
Seal Kit, Cylinder Liner	160-9874	0
Cylinder Kit	KM7352	6
Crown, Piston	180-7352	6
Skirt, Piston	132-6663	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	177-7496	6
Ring, Piston (Intermediate)	176-5749	6
Ring, Piston (Oil)	189-9771	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Cylinder Kit	KM1560*	6
Crown, Piston	136-1560*	6
Skirt, Piston	130-0241	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6
Cylinder Kit	KM2305A	6
Crown, Piston	221-2305	6
Skirt, Piston	132-6663	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	176-5749	6
Ring, Piston (Oil)	189-9771	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM2305	6
Crown, Piston	221-2305	6
Skirt, Piston	132-6663	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	176-5749	6
Ring, Piston (Oil)	189-9771	6
Cylinder Liner	132-6881	6
Seal Kit, Cylinder Liner	KM-SK-C16	6
Cylinder Kit	KM7212	6
Piston Body and Clips	9Y7212	6
Piston Pin	8N1608	6
Retainer, Piston Pin	8N7295	12
Ring, Piston (Top)	134-3761	6
Ring, Piston (Intermediate)	2P2817	6
Ring, Piston (Oil)	7N7078	6
Cylinder Liner	197-9322	6
Seal Kit, Cylinder Liner	160-9874	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	245-4324	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	175-3617	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Sleeve, Injector	227-4239	6
Seal, Valve Stem	163-2478	24
Cylinder Head	156-7343*	1
Valve, Inlet	152-8380*	12
Valve, Exhaust	152-7585*	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	152-8379*	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Seal, Valve Stem	163-2478	24
Sleeve, Injector	227-4239	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	156-7343*	1
Valve, Inlet	152-8380*	12
Valve, Exhaust	152-7585*	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	152-8379*	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Seal, Valve Stem	163-2478	24
Sleeve, Injector	227-4239	6
Sicoro, injector	227 1207	
Cylinder Head	243-6741*	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Insert, Valve Seat Inlet Std	175-3617	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Seal, Valve Stem	163-2478	24
Sleeve, Injector	227-4239	6
Sicovo, injector	ZZI IZO7	· ·
Cylinder Head	245-4324	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Insert, Valve Seat Inlet Std	175-3617	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Sleeve, Injector	227-4239	6
· ·		
Cylinder Head	245-4324	1
Valve, Inlet	152-8380*	12
Valve, Exhaust	152-7585*	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	152-8379*	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Sleeve, Injector	227-4239	6
Seal, Valve Stem	163-2478	24

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	137-4493*	1
Valve, Inlet	108-5910*	12
Valve, Exhaust	108-5911*	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	108-5912*	12
Insert, Valve Seat Exhaust Std	1W5283	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Sleeve, Injector	227-4239	6
Seal, Valve Stem	163-2478	24
Cylinder Head	153-4220*	1
Valve, Inlet	152-8380*	12
Valve, Exhaust	152-7585*	12
Valve Lock-Half	4P4661*	48
Insert, Valve Seat Inlet Std	152-8379*	12
Insert, Valve Seat Exhaust Std	152-7582	12
Guide, Inlet & Exh Valve	122-7375	24
Rotocoil Assy	186-2001	24
Spring, Inner	211-3122	24
Spring, Outer	247-9908	24
Seal, Valve Stem	163-2478	24
Sleeve, Injector	227-4239	6

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	611453	1
Crankshaft	160-1799	1
Seal, Oil Front (Std)	142-5867	1
Seal, Oil Rear (Std)	142-5868	1
Main Bearing Set (Std.) Incl. Thrust Washers	243-6718	1
Main Bearing (Std.)	317-8766	7
Main Bearing (010")	4W5492/010	7
Main Bearing (025")	4W5698	7
Main Bearing (050")	4W5699	7
Thust Washer	253-1752	2

CONROD & RELATED PARTS	PART No	QTY
Conrod Bearing (Std.)	328-5573	6
Conrod Bearing (010")	9Y7735/010	6
Conrod Bearing (025")	7E0558	6
Conrod Bearing (050")	7E0559	6
Conrod Assy	9Y6054	6
Bushing, Conrod	612726	6
Bolt, Conrod	7E4195	12
Conrod Assy	7E5996	6
Bushing, Conrod	4P8495	6
Bolt, Conrod	7E4195	12

CAMSHAFT & RELATED PARTS	PART No	QTY
Truck		
Camshaft (S/N 5EK )	187-9381*	1
Camshaft (S/N 5EK )	131-0510*	1
Camshaft (S/N 5DS1-1087; 1MM; 1LW )	332-7301*	1
Camshaft (S/N 2WS1-42798; 1LW1-33262 )	143-9153*	1
Machine		
Camshaft (S/N 9AP1-1099)	187-9381*	1
Camshaft (S/N 9AP1100-1799)	332-7301*	1
Camshaft (S/N BET12057-UP; BKN1-UP)	332-7308*	11
Industrial		
Camshaft (S/N 6BR)	187-9381*	1
Camshaft (S/N 6BR1853-UP)	332-7308*	11
Genset		
Camshaft (S/N9NN; 1MZ1-405)	187-9381*	1
Camshaft (S/N 9NN437-438; 9NN441-UP;		
1MZ406-UP)	332-7308*	1
Bushing, Camshaft (Std)	216-5582	7
Bushing, Camshaft (0.010")	150-4793*	7
Bushing, Camshaft (0.030")	217-0752*	7
Bushing, Camshaft (0.050")	261-3430*	7
Bushing, Camshaft (0.070")	261-3429*	7

GASKET KITS & COMPONENTS	PART No	QTY
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Gasket, Cylinder Head	153-9653	1
Gasket, Cylinder Head	359-0908	1
Gasket, Spacer Plate	227-1204	1
Gasket, Exhaust Mainfold	138-4611	6
Seal, Rocker Cover (Per Metre)	5P5678	A/R
Seal, Rocker Cover	242-9537	1
Gasket, Oil Pan	4N1151	2
Gasket, Oil Pan	188-0210	1

FUEL SYSTEM	PART No	QTY
Fuel Priming Pump	105-2508	1
Fuel Priming Pump	190-8970*	1
Fuel Priming Pump (Hi Cap.)	137-5541	1
Seal Kit, Injector	248-1394*	6
Sleeve, Injector	227-4239	6
Seal, Sleeve Injector	9X7430	6
Seal, Sleeve Injector	166-2904	6
Seal, Sleeve Injector	166-2903	6

OIL PUMP AND RELATED PARTS	PART No	QTY
Oil Pump		
(S/N 5EK1-99999; 6TS1-17655)	161-4111	1
Oil Pump		
(S/N 6TS12328-UP; 1MM; 1LW)	161-4113	1
Oil Pump		
(S/N 5EK1-99999; 6TS1-99999; 1MM; 1LW1-3:	3262)	
	4N8735*	1
Machine		
Oil Pump		
(S/N 9AP1280-1799; BET12057-UP; BKN1-UP)	161-4113	1
Oil Pump	198-1508*	1
Marine		
Oil Pump (S/N 9WR1-473)	161-4111	1
Oil Pump (S/N 9WR489-UP )	161-4113	1
Industrial		
Oil Pump (S/N 6BR)	161-4111	1
Oil Pump (S/N 6BR957-UP )	161-4113	1

OIL PUMP AND RELATED PARTS	PART No	QTY
Genset		
Oil Pump (S/N 9NN1-415)	161-4111	1
Oil Pump (S/N 9NN431-UP; 1MZ1-UP)	161-4113	1
Core, Oil Cooler	133-0125*	1
Core, Oil Cooler	7C3039	1
Core, Oil Cooler	7W1713*	1

FILTERS	PART No	QTY
Oil Filter	1R0716	1
Oil Filter	1R1808	1
Fuel Filter (Primary)	9M2342	1
Fuel Filter (Secondary)	1R0749	1
Filter, Water Sep. & Fuel	133-5673	1

COOLING SYSTEM	PART No	QTY
Water Pump	135-4925	1
Water Pump	161-5719	1
Repair Kit, Water Pump	138-6744	1
Thermostat (170 deg)	120-9453	1
Thermostat (180 deg)	248-5513	1
Thermostat (190 deg)	247-7133	1
Seal, Thermostat	3S9643	1

TURBOCHARGERS	PART No	QTY
Turbocharger (Truck)	196-5951	1
Turbocharger	179-5922	1
Cartridge	202-4081	1
Cartridge	167-9270	1

<sup>\*</sup> please check with KMP sales for availability



KMP149-5566 FOK-6A		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM5566	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Cylinder Kit KM5566 Consists of :		
Piston Skirt & Clips	130-0241	1
Piston Crown	149-5566	1
Piston Pin	168-7426	1
Top Ring , Piston	134-3761	1
Intermediate Ring , Piston	2P2817	1
Oil Ring , Piston	7N7078	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

KMP135-2837.FOK-6A		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM2837	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
c h 1 1/2 1/10007 c f		
Cylinder Kit KM2387 Consists of :	100 0041	
Piston Skirt & Clips	130-0241	1
Piston Crown	135-2837	1
Piston Pin	168-7426	1
Top Ring , Piston	134-3761	1
Intermediate Ring , Piston	2P2817	1
Oil Ring , Piston	7N7078	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM2716	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Cylinder Kit KM2716 Consists of :		
Piston & Clips	108-2716	1
Piston Pin	168-7426	1
Top Ring , Piston	134-3761	1
Intermediate Ring , Piston	2P2817	1
Oil Ring , Piston	7N7078	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

KMP7C2888 FOK-6A		
DESCRIPTION	PART No	QTY
DESCRIPTION	TART NO	QII
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM2888	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Calindar Via VMODOO Caratar af		
Cylinder Kit KM2888 Consists of :	100 0041	1
Piston Skirt & Clips Piston Crown	130-0241	1
1 Dion Crown	7C2888	1
Piston Pin	168-7426	1
Top Ring , Piston	134-3761	1
Intermediate Ring , Piston	2P2817	1
Oil Ring , Piston	7N7078	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

KMP139-8500.EOK-C Description	PART No	ОТУ
	317-8766	7
Main Bearing STD Thrust Washer STD	0.1. 0.00	2
	253-1752	
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM8500	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Cylinder Kit KM8500 Consists of :		
Piston Skirt & Clips	284-6039	1
Piston Crown	139-8500	1
Piston Pin	168-7426	1
Top Ring , Piston	153-4101	1
Intermediate Ring , Piston	139-8504	1
Oil Ring , Piston	139-8505	1
Cylinder Liner	132-6881	1
Seal Kit Liner	KM-SK-C16	1

(MP180-7352.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM7352	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	175-3617	12
Insert Valve Seat Exhaust	152-7582	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-3406E-K1	1
Gasket Kit, Lower	KMP-3406E-K2	1
Cylinder Kit KM7352 Consists of :		
Piston Skirt & Clips	132-6663	1
Piston Crown	180-7352	1
Piston Pin	168-7426	1
Top Ring , Piston	177-7496	1
Intermediate Ring , Piston	176-5749	1
Oil Ring , Piston	189-9771	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

 ${}^{**}\mbox{Above}$  is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# Engine Overhaul Kits



CYL. BLOCK & COMPONENTS	PART No	QTY
Cylinder Block (Industrial)	303-1383*	1
Nozzle, Piston Cooling	276-7222*	6
Nozzle, Piston Cooling	226-6478*	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM0329A	6
Piston Body and Clips	322-0329	6
Piston Pin	197-9327	6
Retainer	197-9326	12
Ring, Piston Top	238-2717	6
Ring, Piston Intermediate	197-9257	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM0329B	6
Piston Body and Clips	322-0329	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	238-2717	6
Ring, Piston Intermediate	197-9257	6
Ring, Piston Oil	238-2704	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM2713*	6
Piston Body	238-2713*	6
Piston Pin	197-9327	6
Retainer	197-9326	12
Ring, Piston Top	238-2717	6
Ring, Piston Intermediate	197-9257	6
Ring, Piston Oil	238-2704	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM2310A*	6
Piston Body and Clips	388-2310	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	434-9019*	6
Ring, Piston Intermediate	300-3086	6
-		6
Ring, Piston Oil	265-1113	
Cylinder Liner	197-9330	6
Seal, Liner Seal, Liner	104-3560 437-1409	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM2310B*	6
Piston Body and Clips	388-2310	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	415-7459	6
Ring, Piston Intermediate	331-6025*	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Jeul, Lillei	437-1407	U
Cylinder Kit	KM3146*	6
Piston Body	322-3146*	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	415-7459	6
Ring, Piston Intermediate	331-6025*	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM9353*	6
Piston Body	388-9353*	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	415-7459	6
Ring, Piston Intermediate	331-6025*	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM9355*	6
Piston Body	388-9355*	6
Piston Body	197-9327	6
Retainer, Piston Pin	197-9326	12
	238-2717	
Ring, Piston Top	197-9257	6
Ring, Piston Intermediate Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	197-9330	6
Seal, Liner	437-1409	6
	.37 1107	•
Cylinder Kit	KM3698*	6
Piston Body	384-3698*	6
Piston Pin	197-9327	6
Retainer, Piston Pin	333-8440*	12
Ring, Piston Top	434-9020*	6
Ring, Piston Intermediate	331-6025*	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM9356*	6
Piston Body and Clips	388-9356	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	415-7459	6
Ring, Piston Intermediate	331-6025*	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6
Cylinder Kit	KM1313*	6
Piston Body	265-1313*	6
Piston Pin	197-9327	6
Retainer, Piston Pin	197-9326	12
Ring, Piston Top	238-2717	6
Ring, Piston Intermediate	197-9257	6
Ring, Piston Oil	265-1113	6
Cylinder Liner	197-9330	6
Seal, Liner	104-3560	6
Seal, Liner	437-1409	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	331-1981*	1
Valve, Inlet	252-7802	12
Valve, Exhaust	248-1467*	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Inner)	224-4441	24
Spring, Exh Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	268-2953	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	260-4855	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
Cylinder Head	308-6358*	1
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Inner)	224-4441	24
Spring, Exh Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	268-2953	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	260-4855	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
	IT IS RECO	MMENDED TO CHE

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	302-2297*	1
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Inner)	224-4441	24
Spring, Exh Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	277-9775*	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	224-2410	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
,	110 100	
Cylinder Head	345-3752*	1
Valve, Inlet	252-7802	12
Valve, Exhaust	224-3030	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Inner)	224-4441	24
Spring, Exh Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	268-2953	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	260-4855	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Cylinder Head	346-1999*	1
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Lock-Half	2A4429	48
Spring, Inlet & Exh. Valve (Inner)	224-4441	24
Spring, Inlet & Exh. Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	277-9775*	24
CYLINDER HEAD & COMPONENTS		
Insert, Valve Seat Inlet (Std.)	224-2410	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	289-3210*	1
Valve, Inlet	252-7802	12
Valve, Exhaust	248-1467*	12
Valve Lock-Half	2A4429	48
Spring, Inlet & Exh. Valve (Inner)	224-4441	24
Spring, Inlet & Exh. Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	612663	24
Guide, Inlet & Exh. Valve (Std.)	268-2953	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	260-4855	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
Cylinder Head	300-9512*	1
Valve, Inlet	252-7802	12
Valve, Exhaust	248-1467*	12
Valve Lock-Half	2A4429	48
Spring, Inlet & Exh. Valve (Inner)	224-4441	24
Spring, Inlet & Exh. Valve (Outer)	332-2152	24
Rotocoil Assy (includes Shield)	7E7977	24
Shield	7E7978	24
Guide, Inlet & Exh. Valve (Std.)	268-2953	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	260-4855	12
Insert, Valve Seat Exh.(Std.)	224-1270	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	313-3997	1
Seal Group, Oil Front	226-4755	1
Seal Group, Oil Rear (Double Lip)	100-5421	1
Sleeve, Front	9Y0821	1
Sleeve, Rear	9Y0810	1
Main Bearing Set (Std.) Includes T/Washers	243-6717	1
Main Bearing (Std.)	211-0587	4
Main Bearing (Std.)	211-0588	3
Main Bearing (.020")	128-0400	4
Main Bearing (.020")	128-0382	3
Main Bearing (.050")	128-0401	4
Main Bearing (.050")	128-0383	3
Thust Washer	246-3144	2

CONROD & RELATED PARTS	PART No	QTY
Conrod	160-8229*	6
Bushing, Conrod	115-2972	6
Bolt, Conrod	115-2973*	12
Conrod	292-0483*	6
Bushing, Conrod	115-2972	6
Bolt, Conrod	115-2973*	12
Conrod	223-9150*	6
Bushing, Conrod	115-2972	6
Bolt, Conrod	115-2973*	12
Conrod Bearing (Std.)	292-0484	6
Conrod Bearing (.020")	128-0395	6
Conrod Bearing (.050")	128-0396	6

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (Industrial)	223-7468	1
Camshaft (Industrial)	240-1856*	1
Camshaft (Truck) S/N. PRM	240-1856*	1
Camshaft (Industrial) S/N. KWJ / N3F	348-9820*	1
Camshaft (Machine) S/N. MHX / TXF5293-UP	223-7468	1
Camshaft (Truck) S/N. EMS	223-7468	1
Camshaft (Truck) S/N. JAM / KCB	223-7467*	1
		_
Camshaft (Truck) S/N. LEE / S3C	260-3204*	1
Camshaft (Machine) S/N. TXX1-UP	344-9038*	1
cumstan (macinity sy tt. 1701) of	0117000	
Camshaft (Machine)		
S/N. TXM1-UP; M4X500-UP	348-9715*	1
Camshaft (Machine) S/N. T4F1-UP	375-2510*	1
Bushing, Camshaft	187-8969	7
Pushrod (Injector)	319-0271*	6
Pushrod	319-0270*	12

GASKET KITS & COMPONENTS	PART No	QTY
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
Gasket, Cylinder Head	221-9392	1
Seal Interal, Housing	223-7852	1
Gasket, Rocker Cover	229-5711	1
Gasket, Rocker Box	5P5678	1
Seal, Rocker Box	272-0389	1
Gasket, Oil Pan	217-3673	1
Gasket, Exhaust Manifold	283-2238	6
Gasket, Exhaust Manifold	224-5389*	6
Gasket Turbo	197-8419	1
Gasket Turbo	289-4135*	1

FUEL SYSTEM	PART No	QTY
Seal,Injector	230-3728*	6
Seal,Injector	230-3775*	6
Seal,Injector	9X7317	6
Fuel Transfer Pump	388-7287*	1

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump Assy	233-5220	1
Gear Shaft,Oil Pump	9Y8076*	1
Gear Shaft,Oil Pump	9Y8075*	1
Seal	6D7146	1
Oil Pump Assy	223-1608	1
Gear Shaft,Oil Pump	223-1613*	1
Gear Shaft,Oil Pump	223-1614*	1
Seal	6D7146	1
Core, Oil Cooler	359-1625*	1
Core, Oil Cooler	236-8745*	1
Core, Oil Cooler	277-5774*	1

COOLING SYSTEM	PART No	QTY
Water Pump Assy	352-0206*	1
Shaft	291-6905*	1
Impeller	223-9143*	1
Seal	128-0317	1
Bearing	1B3867	2
Water Pump Assy	223-9147*	1
Shaft	223-9144*	1
Impeller	223-9143*	1
Seal	128-0317	1
Bearing	1B3867	2
Thermostat (98 Deg.)	247-7133	1
Thermostat (92 Deg.)	367-7900*	1

FILTERS	PART No	QTY
Fuel, Filter	1R0749	2
Fuel, Filter (Primary)	326-1641	1
Water Seperator & Fuel	326-1643	1
Oil, Filter	1R1808	1
Element AS	151-7737	1

TURBOCHARGER & CARTRIDGE	PART No	QTY
Turbocharger (Industrial)	247-2965	1
Cartridge	274-7104	1
Turbocharger (Machine)	291-5480	1
Cartridge	279-6060	1

<sup>\*</sup> please check with KMP sales for availability

KMP322-0329.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing	211-0587	4
Main Bearing	211-0588	3
Thrust Washer STD	246-3144	2
Conrod Bushing	115-2972	6
Conrod Bearing STD	292-0484	6
Cylinder Kit	KM0329A	6
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Collet	2A4429	48
Valve Guide	268-2953	24
Valve Spring Inner	224-4441	24
Valve Spring Outer	332-2152	24
Insert Valve Seat Inlet	260-4855	12
Insert Valve Seat Exhaust	224-1270	12
Camshaft Bushing	187-8969	7
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
Cylinder Kit KM0329A Consists of :		
Piston Body & Clips	322-0329	1
Piston Pin	197-9327	1
Top Ring , Piston	238-2717	1
Intermediate Ring , Piston	197-9257	1
Oil Ring , Piston	265-1113	1
Cylinder Liner	197-9330	1
Liner Seal	104-3560	1
Liner Seal	437-1409	1

KMP322-0329.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing	211-0587	4
Main Bearing	211-0588	3
Thrust Washer STD	246-3144	2
Conrod Bushing	115-2972	6
Conrod Bearing STD	292-0484	6
Cylinder Kit	KM0329B	6
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Collet	2A4429	48
Valve Guide	268-2953	24
Valve Spring Inner	224-4441	24
Valve Spring Outer	332-2152	24
Insert Valve Seat Inlet	260-4855	12
Insert Valve Seat Exhaust	224-1270	12
Camshaft Bushing	187-8969	7
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
Cylinder Kit KM0329B Consists of :		
Piston Body & Clips	322-0329	1
Piston Pin	197-9327	1
Top Ring , Piston	238-2717	1
Intermediate Ring , Piston	197-9257	1
Oil Ring , Piston	238-2704	1
Cylinder Liner	197-9330	1
Liner Seal	104-3560	1
Liner Seal	437-1409	1

DESCRIPTION	PART No	QTY
Main Bearing	211-0587	4
Main Bearing	211-0588	3
Thrust Washer STD	246-3144	2
Conrod Bushing	115-2972	6
Conrod Bearing STD	292-0484	6
Cylinder Kit	KM2310A	6
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Collet	2A4429	48
Valve Guide	268-2953	24
Valve Spring Inner	224-4441	24
Valve Spring Outer	332-2152	24
Insert Valve Seat Inlet	260-4855	12
Insert Valve Seat Exhaust	224-1270	12
Camshaft Bushing	187-8969	7
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
Cylinder Kit KM2310A Consists of :		
Piston Body & Clips	388-2310	1
Piston Pin	197-9327	1
Top Ring , Piston	434-9019*	1
Intermediate Ring , Piston	300-3086	1
Oil Ring , Piston	265-1113	1
Cylinder Liner	197-9330	1
Liner Seal	104-3560	1
Liner Seal	437-1409	1

KMP388-2310.EOK-B DESCRIPTION	PART No	QTY
Main Bearing	211-0587	4
Main Bearing	211-0588	3
Thrust Washer STD	246-3144	2
Conrod Bushing	115-2972	6
Conrod Bearing STD	292-0484	6
Cylinder Kit	KM2310B	6
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Collet	2A4429	48
Valve Guide	268-2953	24
Valve Spring Inner	224-4441	24
Valve Spring Outer	332-2152	24
Insert Valve Seat Inlet	260-4855	12
Insert Valve Seat Exhaust	224-1270	12
Camshaft Bushing	187-8969	7
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
Cylinder Kit KM2310B Consists of :		
Piston Body & Clips	388-2310	1
Piston Pin	197-9327	1
Top Ring , Piston	415-7459	1
Intermediate Ring , Piston	331-6025*	1
Oil Ring , Piston	265-1113	1
Cylinder Liner	197-9330	1
Liner Seal	104-3560	1
Liner Seal  JMBERS PRIOR TO ORDERING	437-1409	1

IT IS RECOMMENDED TO CHECK PART NUMBERS PRIOR TO ORDERING

All original equipment, manufacturers' names, part numbers, symbols, drawings, colours and descriptions are for reference purposes only, and it is not implied any part is that of these manufacturers.

All efforts have been made to ensure that the information contained herein is correct.

KM Products Europe Limited cannot be held responsible for its accuracy.

KMP388-9356.EOK		
DESCRIPTION	PART No	QTY
Main Bearing	211-0587	4
Main Bearing	211-0588	3
Thrust Washer STD	246-3144	2
Conrod Bushing	115-2972	6
Conrod Bearing STD	292-0484	6
Cylinder Kit	KM9356	6
Valve, Inlet	224-3028	12
Valve, Exhaust	224-3030	12
Valve Collet	2A4429	48
Valve Guide	268-2953	24
Valve Spring Inner	224-4441	24
Valve Spring Outer	332-2152	24
Insert Valve Seat Inlet	260-4855	12
Insert Valve Seat Exhaust	224-1270	12
Camshaft Bushing	187-8969	7
Gasket Kit, Upper	KMP-C13-K1	1
Gasket Kit, Lower	KMP-C13-K2	1
		1
Cylinder Kit KM9356 Consists of :		
Piston Body & Clips	388-9356	1
Piston Pin	197-9327	1
Top Ring , Piston	415-7459	1
Intermediate Ring , Piston	331-6025*	1
Oil Ring , Piston	265-1113	1
Cylinder Liner	197-9330	1
Liner Seal	104-3560	1
Liner Seal	437-1409	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# KMP BRAND Engine Overhaul Kits



CYL. BLOCK & COMPONENTS	PART No	QTY
Cylinder Block (Truck)	155-0056*	1
Nozzle, Piston Cooling	197-9336*	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM6700	6
Crown, Piston	145-6700	6
Piston Skirt and Clips	130-0241	6
Piston Pin	168-7426	6
Ring, Piston Top	134-3761	6
Ring, Piston Intermediate	2P2817	6
Ring, Piston Oil	7N7078	6
Cylinder Liner & Seal Kit	197-9322S	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal , Cylinder Liner	142-6217	6
, ,		
Cylinder Kit	KM7460	6
Piston	306-7460	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	237-0194	6
Ring, Piston Intermediate	238-4737	6
Ring, Piston Oil	238-0294	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal ,Cylinder Liner	142-6217	6
	. 12 0217	
Cylinder Kit	KM7352	6
Crown, Piston (16.1:1 Ratio)	180-7352	6
Skirt, Piston	132-6663	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston Top	177-7496	6
Ring, Piston Intermediate	176-5749	6
Ring, Piston Oil	189-9771	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
	142-7072	6
Seal ,Cylinder Liner		

Cylinder Kit	KM9354	6
Piston Body and Clips	388-9354	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	247-6130	6
Ring, Piston Intermediate	164-4187	6
Ring, Piston Oil	306-4014	6
Cylinder Liner & Seal Kit	197-9322S	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal , Cylinder Liner	142-6217	6
, ,		
Cylinder Kit	KM6615	6
Piston Body and Clips	346-6615	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	247-6130	6
Ring, Piston Intermediate	164-4187	6
Ring, Piston Oil	306-4014	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal ,Cylinder Liner	142-6217	6
Cylinder Kit	KM7351	6
Crown, Piston (18.1:1 Ratio)	180-7351	6
Skirt, Piston and Clips	132-6663	6
Piston Pin	168-7246	6
Retainer, Piston Pin	7E1177	12
Ring, Piston Top	177-7496	6
Ring, Piston Intermediate	176-5749	6
Ring, Piston Oil	189-9771	6
Cylinder Liner & Seal Kit	197-9322S	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM8983*	6
Piston Body and Clips	284-8983*	6
Piston Pin	180-7350	6
Retainer	250-2940	12
Ring, Piston Top	247-6130	6
Ring, Piston Intermediate	284-8991*	6
Ring, Piston Oil	284-8993*	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal , Cylinder Liner	142-6217	6
,	. 12 0217	
Cylinder Kit	KM6557*	6
Piston Body and Clips	232-6557*	6
Piston Pin	180-7350	6
Retainer	230-2569	12
Ring, Piston Top	237-0194	6
Ring, Piston Intermediate	238-4737	6
Ring, Piston Oil	238-0294	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal ,Cylinder Liner	142-6217	6
your regimaler Ellion	112 0217	
Cylinder Kit	KM5516B*	6
Piston Body and Clips	248-5516*	6
Piston Pin	180-7350	6
Retainer	250-2940	12
Ring, Piston Top	284-8988*	6
Ring, Piston Intermediate	284-8991*	6
Ring, Piston Oil	284-8993*	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal Cylinder Liner	110-2220	6
Seal ,Cylinder Liner Seal ,Cylinder Liner	142-7072 142-6217	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM5516A	6
Piston Body and Clips	248-5516*	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	237-0194	6
Ring, Piston Intermediate	238-4737	6
Ring, Piston Oil	238-0294	6
Cylinder Liner & Seal Kit	197-93225	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal ,Cylinder Liner	142-6217	6
Cylinder Kit	KM5514*	6
Piston Body and Clips	248-5514*	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	237-0194	6
Ring, Piston Intermediate	238-4737	6
Ring, Piston Oil	238-0294	6
Cylinder Liner & Seal Kit	197-9322\$	6
Cylinder Liner	197-9322	6
Seal Kit, Liner	160-9874	6
Band, Cylinder Liner	9L5854	6
Seal ,Cylinder Liner	110-2220	6
Seal ,Cylinder Liner	142-7072	6
Seal ,Cylinder Liner	142-6217	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head (Complete)	183-5296	1
Cylinder Head	281-1640*	1
Cylinder Head	223-7263	1
Valve, Inlet	236-5605	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Spring, Inlet & Exh. Valve (Inner)	211-3122	24
Spring, Inlet & Exh. Valve (Outer)	247-9908	24
Rotocoil	186-2001	24
Guide, Inlet & Exh. Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	224-3983	12
Insert, Valve Seat Exh.(Std.)	226-5561	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2903	6
Seal, Sleeve Injector	166-2904	6
Seal, Sleeve Injector	215-3198	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head	245-4324	1
Cylinder Head	223-7263	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Spring, Inlet & Exh. Valve (Inner)	211-3122	24
Spring, Inlet & Exh. Valve (Outer)	247-9908	24
Rotocoil	186-2001	24
Guide, Inlet & Exh. Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	224-3983	12
Insert, Valve Seat Exh.(Std.)	226-5561	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2903	6
Seal, Sleeve Injector	166-2904	6
Seal, Sleeve Injector	215-3198	6

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft (No Gears or Pins)	221-9360	1
Seal Group, Oil Front	142-5867	1
Seal Group, Oil Rear	142-5868	1
Main Bearing (Std.)	317-8766	7
Main Bearing (.010")	4W5492/010	7
Main Bearing (.025")	4W5698	7
Main Bearing (.040")  Main Bearing (.050")	4W5492/040 4W5699	7
Thust Washer	253-1752	2
Main and Thrust Bearing Kit	243-6718	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	9Y6054	6
Bushing, Conrod	612726	6
Bolt, Conrod	7E4195	12
Conrod Bearing (Std.) Diesel App Only	328-5573	6
Conrod Bearing (.010")	9Y7735/010	6
Conrod Bearing (.025")	7E0558	6
Conrod Bearing (.050")	7E0559	6
Conrod	224-3245	6
Bushing, Conrod	229-6259	6
Bolt, Conrod	213-3217*	24
Conrod Bearing (Std.)	261-3450	6
Conrod Bearing (0.64mm U.S)	232-3235	6
Conrod Bearing (1.27mm U.S)	232-3236	6

CAMSHAFT & RELATED PARTS	PART No	QTY
Camshaft (Truck)	252-5009*	1
Camshaft (Truck)	143-9153*	1
		_
Camshaft (Truck)	139-0538*	1
Camshaft (Machine)	332-7298*	1
Bushing, Camshaft (Std.)	216-5582	7
Bushing, Camshaft (0.254mm 0.D)	217-0751*	7
Bushing, Camshaft (0.762mm 0.D)	160-8151*	7

GASKET KITS & COMPONENTS	PART No	QTY
Gasket Kit, Upper C/W 359-0908 Head Gasket	KMP-C15-K1B	1
Gasket Kit, Lower	KMP-C15-K2	1
Gasket kit	189-5390*	1
Gasket, Cylinder Head	153-9653	1
Gasket, Cylinder Head	359-0908	1
Gasket, Rocker Cover	242-9537	3
Gasket, Spacer Plate	227-1204	1
Gasket, Front Cover	155-9524	1
Isolation Seal, Oil Pan	168-5248	1
Gasket, Oil Pan	4N1151	2
Spacer Plate, Block	614421	1
Gaket, Intake Manifold	101-3125	1
Gasket, Exhaust Manifold	138-4611	6
Sleeve, Exhaust	281-8261	6
Gasket, Turbo	197-8419	1
Gasket, Turbo	197-8418	1
Gasket, Turbo	274-6851	1
Gasket	126-4935	1

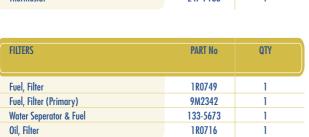
FUEL SYSTEM	PART No	QTY
Fuel Injector	211-3022*	6
Fuel Injector	211-3023*	6
Seal,Injector	9X7419	6
Seal,Injector	9X7418	6
Seal,Injector	9X7317	6
Seal,Injector	215-3198	6
Fuel Transfer Pump	295-9259*	1
Fuel Priming Pump	137-5541	1

OIL PUMP & RELATED PARTS	PART No	QTY
Oil Pump Assy	161-4113	1
Oil Pump	4N8735*	1
Gear Shaft,Oil Pump	202-3572*	1
Gear Shaft,Oil Pump	145-8503*	1
Relief Valve, Oil Pump	6N1931*	1
Relief Valve Spring, Oil Pump	252760	1
Spacer, Oil Pump	4N5339*	1
Core, Oil Cooler	7C0145	1

TURBOCHARGER & CARTRIDGE	PART No	QTY
Turbocharger	196-5951	1
Cartridge	196-4157	1
Turbocharger	196-5949*	1
Cartridge	161-6780*	1

<sup>\*</sup> please check with KMP sales for availability

COOLING SYSTEM	PART No	QTY
Western Drivern Assert	336-2213	1
Water Pump Acert	330-2213	ı
Western December Assert	004 2020	1
Water Pump Acert	224-3238	I
W. 5	1/1 5710	
Water Pump Assy	161-5719	1
Shaft	135-4928	1
Shaft	246-3130*	
Seal	128-0317	1
Impeller	129-9907*	1
Impeller	246-3129*	1
Bearing	108-7930	1
Repair Kit	138-6744	1
·		
Water Pump Assy	160-8227*	1
Shaft	135-4928	1
Shaft	246-3130*	1
Seal	128-0317	1
Impeller	129-9907*	1
Impeller	246-3129*	1
Bearing	108-7930	1
Repair Kit	138-6744	1
Thermostat	247-7133	1







KMP180-7351.EOK-A		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM7351	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	224-3983	12
Insert Valve Seat Exhaust	226-5561	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-C15-K1B	1
Gasket Kit, Lower	KMP-C15-K2	1
Cylinder Kit KM7351 Consists of :		
Piston Skirt & Clips	132-6663	1
Piston Crown	180-7351	1
Piston Pin	168-7426	1
Top Ring , Piston	177-7496	1
Intermediate Ring , Piston	176-5749	1
Oil Ring , Piston	189-9771	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	612726	6
Conrod Bearing STD	328-5573	6
Cylinder Kit	KM7352	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	224-3983	12
Insert Valve Seat Exhaust	226-5561	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-C15-K1B	1
Gasket Kit, Lower	KMP-C15-K2	1
Cylinder Kit KM7352 Consists of :		
Piston Skirt & Clips	132-6663	1
Piston Crown	180-7352	1
Piston Pin	168-7426	1
Top Ring , Piston	177-7496	1
Intermediate Ring , Piston	176-5749	1
Oil Ring , Piston	189-9771	1
Cylinder Liner	197-9322	1
Seal Kit Liner	160-9874	1

\*\*Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.

# KMP BRAND Engine Overhaul Kits



CYL. BLOCK & COMPONENTS	PART No	QTY
Cylinder Block	267-4631*	1
Nozzle, Pstn. Cooling (Genset/Truck)	196-2429*	6
Nozzle, Pstn Cooling (Genset/Machine)	274-8359*	6

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM6715	6
Piston Body	319-6715	6
Piston Pin	180-7350	6
Retainer	230-2569	12
Ring, Piston Top	223-9159	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	246-5659	6
Liner and Seal Kit	322-11265	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
Seal, Cylinder Liner	155-0809	6
Seal, Cylinder Liner	155-2793	12
Seal, Cylinder Liner	155-0810	6
Band , Cylinder Liner	9L5854	6
Cylinder Kit	KM4510	6
Piston Body and clips	329-4510	6
Piston Pin	180-7350	6
Retainer	230-2569	12
Ring, Piston Top	223-9159	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	246-5659	6
Liner and Seal Kit	322-11265	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
Seal, Cylinder Liner	155-0810	6
Seal, Cylinder Liner	155-0809	6
Seal, Cylinder Liner	155-2793	12
Band Filler, Cylinder Liner	9L5854	6
College No.	KM4511	6
Cylinder Kit Piston Body	329-4511	6
Piston Pin	180-7350	6
Retainer	230-2569	12
Ring, Piston Top	223-9159	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	246-5659	6
Liner and Seal Kit	322-1126S	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
	155-0810	6
Seal, Cylinder Liner Seal, Cylinder Liner		6
Seal, Cylinder Liner Seal, Cylinder Liner	155-0809 155-2793	12
Band Filler, Cylinder Liner	9L5854	6
bunu riner, Cynniaer Liner	713034	Ū

CYLINDER KIT & COMPONENTS	PART No	QTY
Cylinder Kit	KM7816*	6
Piston Body	368-7816*	6
Piston Pin	180-7350	6
Retainer, Piston Pin	250-2940	12
Ring, Piston Top	223-9159	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	246-5659	6
Liner and Seal Kit	322-11265	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
Seal, Cylinder Liner	155-0810	6
Seal, Cylinder Liner	155-0809	6
Seal, Cylinder Liner	155-2793	12
Band Filler, Cylinder Liner	9L5854	6
Cylinder Kit	KM4970*	6
Piston Body	372-4970*	6
Piston Pin	180-7350	6
Retainer	250-2940	12
Ring, Piston Top	340-9400*	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	340-3639*	6
Liner and Seal Kit	322-11265	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
Seal, Cylinder Liner	155-0810	6
Seal, Cylinder Liner	155-0809	6
Seal, Cylinder Liner	155-2793	12
Band Filler, Cylinder Liner	9L5854	6
Cylinder Kit	KM4509*	6
Piston Body (16.5:1 Ratio)	329-4509*	6
Piston Pin	180-7350	6
Retainer	230-2569	12
Ring, Piston Top	223-9159	6
Ring, Piston Intermediate	238-2707	6
Ring, Piston Oil	246-5659	6
Liner and Seal Kit	322-11265	6
Cylinder Liner	322-1126	6
Seal Kit Liner	KM-SK-C18	6
Seal, Cylinder Liner	155-0810	6
Seal, Cylinder Liner	155-0809	6
Seal, Cylinder Liner	155-2793	12
Band Filler, Cylinder Liner	9L5854	6

CYLINDER HEAD & COMPONENTS	PART No	QTY
		_
Cylinder Head (Bare)	223-7263	1
Cylinder Head (Complete)	223-9250	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Outer)	247-9908	24
Spring, Inlet Valve (Inner)	211-3122	24
Rotocoil	186-2001	24
Guide, Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	224-3983	12
Insert, Valve Seat Exhaust (Std.)	226-5561	12
Sleeve,Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
Cylinder Head (Bare)	281-1640*	1
Cylinder Head (Complete)	263-5055*	1
Valve, Inlet	236-5605	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Outer)	247-9908	24
Spring, Inlet Valve (Inner)	211-3122	24
Rotocoil	186-2001	24
Guide, Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	280-3979	12
Insert, Valve Seat Exhaust (Std.)	226-5561	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6
sour, stooto injector	77,700	
Cylinder Head (Bare)	243-6741*	1
Cylinder Head (Complete)	223-9250	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7023	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Outer)	247-9908	24
Spring, Inlet Valve (Inner)	211-3122	24
Rotocoil	186-2001	24
Guide, Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	224-3983	12
Insert, Valve Seat Exhaust (Std.)	226-5561	12
		6
Sleeve, Injector Seal, Sleeve Injector	263-4920 166-2904	12

CYLINDER HEAD & COMPONENTS	PART No	QTY
Cylinder Head (Bare)	245-4324	1
Cylinder Head (Complete)	183-5296	1
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Lock-Half	2A4429	48
Spring, Inlet Valve (Outer)	247-9908	24
Spring, Inlet Valve (Inner)	211-3122	24
Rotocoil	186-2001	24
Guide, Valve (Std.)	122-7375	24
Seal, Valve Stem	163-2478	24
Insert, Valve Seat Inlet (Std.)	175-3617	12
Insert, Valve Seat Exhaust (Std.)	152-7582	12
Sleeve, Injector	263-4920	6
Seal, Sleeve Injector	166-2904	12
Seal, Sleeve Injector	9X7430	6

CRANKSHAFT & RELATED PARTS	PART No	QTY
Crankshaft	189-4918	1
Seal Group, Oil Front	142-5867	1
Seal Group, Oil Rear	142-5868	1
Main Bearing (Std.)	317-8766	7
Main Bearing (0.63mm U.S)	4W5698	7
Main Bearing (0.127mm U.S)	4W5699	7
· ·		
Thrust Washer	253-1752	2
Main and Thrust Bearing Kit	243-6718	1

CONROD & RELATED PARTS	PART No	QTY
Conrod	224-3245	6
Conrod	222-3897*	6
Bush, Conrod	229-6259	6
Bolt, Conrod	213-3217*	24
Pin , Conrod	7N2043*	12
Conrod Bearing (Std.)	224-3246	6
Conrod Bearing (0.64mm US)	232-3235	6
Conrod Bearing (1.27mm US)	232-3236	6
CONROD BRG - Genset		
(S/No. EFE1-Up/P1A1-Up		
/EST101-Up/P1L1-Up)		
Conrod Bearing (Std.)	261-3450	6
Conrod Bearing (0.64mm US)	232-3235	6
Conrod Bearing (1.27mm US)	232-3236	6

CAMSHAFT & RELATED PARTS	PART No	QTY
C18 Industrial Engine		
S/No.		
Camshaft	239-6139*	1
Camshaft	332-7300*	1
C18 Machine Engine		
S/No. RHX4513-Up		
Camshaft	332-7298*	1
C18 Machine Engine		
S/No. RHX1-Up		
Camshaft	239-6139*	1
	207 0107	
C18 Machine Engine		
S/No. RDP1-UP		
Camshaft	239-6139*	1
C18 Machine Engine		
S/No. R4L1-UP; TXW1-UP	005 1110*	
Camshaft	325-1113*	1
C18 Truck Engine		
S/No. MDP , MEP		
Camshaft	130-9710*	1
C18 Truck Engine		
S/No. CJP	200 7000*	
Camshaft	332-7300*	1
Bushing, Camshaft (Std.)	216-5582	7
Bushing, Camshaft (0.254mm 0.D)	217-0751*	7
Bushing, Camshaft (0.762mm 0.D)	217-0752*	7
Bushing, Camshaft (1.778mm O.D)	261-3429*	7
Bushing, Camshaft (1.27mm O.D)	261-3430*	7

GASKET KITS & COMPONENTS	PART No	QTY
Gasket Kit, Upper C/W 359-0908 Head Gasket	KMP-C18-K1B	1
Gasket Kit, Lower	KMP-C18-K2	1
Gasket, Cyl.Head	359-0908	1
Timing Cover Seal	155-9524	1
Seal, Valve Cover	242-9537	6
Gasket, Oil Pan	4N1151	2
Spacer Plate, Block	614421	1
Gasket, Spacer Plate	227-1204	6
Seal	142-2329	1
Seal - Isolation, Oil Pan	168-5248	1
Sleeve, Exhaust Manifold	281-8261	6
Sleeve, Exhaust Manifold	194-8124	6
Gasket, Exhaust Manifold	129-9452	6
Gasket , Turbo	197-8419	1
Gasket , Turbo	197-8418	1

OIL PUMP AND RELATED PARTS	PART No	QTY
Oil Pump	161-4113	1
Gear Drive Shaft, Oil Pump	1W7238*	1
Gear Idler Shaft, Oil Pump	1W7239*	1
Plunger, Relief Valve	6N1931*	1
Spring, Relief Valve	2S2760	1
Core, Oil Cooler	7C0145	1

COOLING SYSTEM	PART No	QTY	
Water Pump Acert	336-2213	1	
Shaft	246-3130*	1	
Impeller	246-3129*	1	
Seal Gp	244-1645*	1	
Seal Lip Type	153-1256*	1	
Bearing	108-7930	1	
Water Diving Acres	161-5719	1	
Water Pump Assy Shaft	135-4928	1	
onan	135-4928	1	
Impeller	129-9907	1	
Seal Gp	153-1256*	1	
Seal Lip Type	108-7930	1	
Bearing Kit, Pump Rebuild	138-6744	1	
Kii, i uiiip kebulu	130-0744	ı	
C18 Industrial			
C18 Machine			
S/No. R4L1-UP; TXW1-UP; RDP1-UP			
C18 Truck			
Water Pump Assy	357-8359*	1	
Shaft	346-3130*	1	
Impeller	246-3129*	1	
Seal Gp	336-2212*	1	
Seal Lip Type	153-1256*	1	
Bearing	108-7930	1	
_			
Thermostat	248-5513	1	
Thermostat	247-7133	2	

FILTERS	PART No	QTY
Fuel, Filter	1R0749	1
Element, Water Seperator	133-5673	1
Oil, Filter	1R1808	2
Oil, Filter (Truck)	1R0716	2
Oil, Filter	1G8878	1

TURBOCHARGERS	PART No	QTY
Turbo	211-6959*	1
Cartridge	211-6960	1
Turbo	227-5982*	1
Cartridge	190-6222	1

<sup>\*</sup> please check with KMP sales for availability



WIDOOD 4510 FOW 4		
KMP329-4510.EOK-A	DADT N	OTV
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	229-6259	6
Conrod Bearing STD	224-3246	6
Cylinder Kit	KM4510	6
Valve, Inlet	236-5605	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	280-3979	12
Insert Valve Seat Exhaust	226-5561	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-C18-K1B	1
Gasket Kit, Lower	KMP-C18-K2	1
Cylinder Kit KM4510 Consists of :		
Piston & Clips	329-4510	1
Piston Pin	180-7350	1
Top Ring , Piston	223-9159	1
Intermediate Ring , Piston	238-2707	1
Oil Ring , Piston	246-5659	1
Cylinder Liner	322-1126	1
Seal Kit Liner	KM-SK-C18	1

KMP329-4510.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	229-6259	6
Conrod Bearing STD	224-3246	6
Cylinder Kit	KM4510	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	224-3983	12
Insert Valve Seat Exhaust	226-5561	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-C18-K1B	1
Gasket Kit, Lower	KMP-C18-K2	1
Cylinder Kit KM4510 Consists of :		
Piston & Clips	329-4510	1
Piston Pin	180-7350	1
Top Ring , Piston	223-9159	1
Intermediate Ring , Piston	238-2707	1
Oil Ring , Piston	246-5659	1
Cylinder Liner	322-1126	1
Seal Kit Liner	KM-SK-C18	1

PART No	QTY
317-8766	7
253-1752	2
229-6259	6
224-3246	6
KM4511	6
236-5605	12
153-7024	12
2A4429	48
122-7375	24
211-3122	24
247-9908	24
280-3979	12
226-5561	12
216-5582	7
KMP-C18-K1B	1
KMP-C18-K2	1
320_4511	1
027 1011	1
	1
	1
	1
	1
322-1120	1
	317-8766 253-1752 229-6259 224-3246 KM4511 236-5605 153-7024 2A4429 122-7375 211-3122 247-9908 280-3979 226-5561 216-5582 KMP-C18-K1B

KMP329-4511.EOK-B		
DESCRIPTION	PART No	QTY
Main Bearing STD	317-8766	7
Thrust Washer STD	253-1752	2
Conrod Bushing	229-6259	6
Conrod Bearing STD	224-3246	6
Cylinder Kit	KM4511	6
Valve, Inlet	153-7023	12
Valve, Exhaust	153-7024	12
Valve Collet	2A4429	48
Valve Guide	122-7375	24
Valve Spring Inner	211-3122	24
Valve Spring Outer	247-9908	24
Insert Valve Seat Inlet	224-3983	12
Insert Valve Seat Exhaust	226-5561	12
Camshaft Bushing	216-5582	7
Gasket Kit, Upper	KMP-C18-K1B	1
Gasket Kit, Lower	KMP-C18-K2	1
Cylinder Kit KM4511 Consists of :		
Piston & Clips	329-4511	1
Piston Pin	180-7350	1
Top Ring , Piston	223-9159	1
Intermediate Ring , Piston	238-2707	1
Oil Ring , Piston	246-5659	1
Cylinder Liner	322-1126	1
Seal Kit Liner	KM-SK-C18	1

 $<sup>^{**}</sup>$ Above is a selection of Engine Overhaul Kits. Additional kits are available upon request.



# CATERPILLAR CYLINDER BLOCK AND COMPONENTS

CAMSHAFT BUSHING						
PART No	OVERSIZE	ENGINE(S)				
232-7440		C3.3	3054C-3054E	C4.4	C4.4 ACERT	
036-5802		3054T	3054NA	3054DIT	3054B(DINA)	3056
		3056DIT	3056DINA	3056T	3056E	
216-5582		3406C&E	C15	C18		
150-4793	OS	3406C&E				
217-0752	OS	3406C&E	C18			
261-3430	0S	3406C&E	C18			
261-3429	0\$	3406C&E	C18			
370-6545		C6.6 ACERT				
187-8969		C13				
217-0751	OS	C15	C18			
160-8151	0\$	C15				

CRANKSHAFT BUSHING PART No	OVERSIZE	ENGINE(S)				
294-4916		C1.5	3013C	C2.2	3024-3024C	
302-4181	0\$	C1.5	3013C	C2.2	3024-3024C	
302-4182	0S	C1.5	3013C	C2.2	3024-3024C	
304-3560		C1.5	3013C	C2.2	3024-3024C	

CALINDED DIOCA						
CYLINDER BLOCK PART No	OVERSIZE	ENGINE(S)				
TAKT NO	UVLKSIZL	LINOINL(3)				
341-3023		C1.5	3013C			
246-7892		3013C				
274-4701		C3.3				
293-1914		C3.3				
236-5049		C2.2				
183-1337		3024-3024C				
254-9007		3024-3024C				
240-0648		3024-3024C				
233-4742		3054T				
209-6725		3054NA	3054DIT			
234-4295		3054B(DINA)				
362-2190		3054C-3054E	C4.4			
363-5760		C4.4				
363-3907		C4.4 ACERT				
366-5613		C4.4 ACERT				
209-5565		3056	3056DIT	3056DINA	3056T	
216-8235		3056E				
306-6845		C6.6 ACERT				
303-1383		C13				
155-0056		C15				
267-4631		C18				





PISTON COOLING JET ASSY PART No	OVERSIZE	ENGINE(S)				
276-5605	UVLKSIZL	C3.3	3054C-3054E	C4.4	C4.4 ACERT	
27 0-3003		C3.3	30346-30346	C1.1	CT.T ACLKI	
148-3026		3054T	3054NA	3054DIT	3054B(DINA)	3056
		3056DIT	3056DINA	3056T	3056E	
168-4539		3406C&E				
145-6860		3406C&E				
277-3076		3406C&E				
7W4990		3406C&E				
276-5606		C6.6 ACERT				
276-7222		C13				
226-6478		C13				
197-9336		C15				
196-2429		C18				
274-8359		C18				

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST







CYLINDER KIT PART No	OVERCIZE	ENGINE (C)				
PAKI NO	OVERSIZE	ENGINE(S)				
KM5884		C1.5	3013C			
KM8456		3013C				
KM7232		C3.3	3054C-3054E	C4.4		
KM5437		C3.3	3054C-3054E	C4.4		
KM6275		C3.3	3054C-3054E			
KM8755		C3.3	3054C-3054E			
KM3080		C2.2	3024-3024C			
KM6968		C2.2	3024-3024C			
KM3371		C2.2				
KM7021A		3054T	3054DIT	3056DIT	3056DINA	3056T
		3056E				
KM7021B		3054T	3054DIT	3056DIT	3056DINA	3056T
		3056E				
KM0824A		3054T	3056T			
KM0824B		3054T	3056T			
KM1390A		3054NA	3054DIT	3056DIT	3056DINA	
KM1390B		3054NA	3054DIT	3056DIT	3056DINA	
KM2553A		3054DIT	3056T			
KM2553B		3054DIT	3056T			
KM0104A		3054B(DINA)				
KM3395		C4.4				
KM9905		C4.4 ACERT				
KM9269		C4.4 ACERT				
KM0264A		3056				
KM0264B		3056				
293-3764		3056				
KM8323		3056E				
KM5566		3406C&E				
KM5201		3406C&E				
KM2837		3406C&E				
KM2716		3406C&E				
KM2888		3406C&E				
KM6664		3406C&E				
KM7537		3406C&E				

CYLINDER KIT (Cont.)				+	+	
PART No	OVERSIZE	ENGINE(S)				
	OYLKJIZL					
KM8500		3406C&E				
KM8500A		3406C&E				
KM6700		3406C&E	C15			
KM7532		3406C&E				
KM1560		3406C&E				
KM2305A		3406C&E				
KM2305		3406C&E				
KM7212		3406C&E				
KM2224		C6.6 ACERT				
KM2063		C6.6 ACERT				
KM7475		C6.6 ACERT				
KM2062		C6.6 ACERT				
KM0329A		C13				
KM0329B		C13				
KM2713		C13				
KM2310A		C13				
KM2310B		C13				
KM3146		C13				
KM9353		C13				
KM9355		C13				
KM3698		C13				
KM9356		C13				
KM1313		C13				
KM7460		C15				
KM7352		C15				
KM9354		C15				
KM6615		C15				
KM7351		C15				
KM8983		C15				
KM6557		C15				
KM5516A		C15				
KM5516B		C15				
KM5514		C15				
KM6715		C18				
KM4510		C18				
KM4511		C18				
KM7816		C18				
KM4970		C18				
KM4509		C18				
KM45U9		CI8				







LINER						
PART No	OVERSIZE	ENGINE(S)				
KM105MMRS		C3.3	3054C-3054E	C4.4	C4.4 ACERT	C6.6 ACERT
KM105MMRS-SF		C3.3	3054C-3054E	C4.4	C4.4 ACERT	C6.6 ACERT
KM84MMRS-SF		C1.5	3013C	C2.2	3024-3024C	
610164		3054T	3054NA	3054DIT	3056	3056DIT
		3056DINA	3056T	3056E		
111-1815		3054T	3054NA	3054DIT	3056	3056DIT
		3056DINA	3056T	3056E		
KM103MMRS-SF		3054B(DINA)				
197-9322		3406C&E	C15			
132-6881		3406C&E				
197-9330		C13				
322-1126		C18				

PISTON ASSY.						
PART No	OVERSIZE	ENGINE(S)				
293-5884		C1.5	3013C			
293-5884B	0S	C1.5	3013C			
290-8456		3013C				
290-8456B	0S	3013C				
225-5437		C3.3	3054C-3054E	C4.4		
233-7232		C3.3	3054C-3054E	C4.4		
277-6275		C3.3				
288-9942	0S	C3.3	3054C-3054E	C4.4		
288-9943	0S	C3.3	3054C-3054E	C4.4		
288-1394	0S	C3.3	3054C-3054E	C4.4		
297-3080B	0S	C2.2	3024-3024C			
270-6968B	0S	C2.2	3024-3024C			
439-3371B	0S	C2.2				
297-3080		C2.2	3024-3024C			
270-6968		C2.2				
439-3371		C2.2				
152-1390		3054NA	3054DIT	3056DIT	3056DINA	
107-2553		3054DIT	3056T			
185-0106	0S	3054B(DINA)				
185-0107	0\$	3054B(DINA)				
185-0104		3054B(DINA)				
292-9013	OS	3054C-3054E				
334-2455	0S	3054C-3054E				
292-9014	0S	3054C-3054E				

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST

PISTON ASSY. (Cont.) PART No	OVERSIZE	ENGINE(S)				
334-2456	OS	3054C-3054E				
112-7021		3054T	3054DIT	3056DIT	3056DINA	3056T
		3056E				
176-0824		3054T	3056T			
253-8755		3054C-3054E				
315-3395		C4.4				
396-4592	0\$	C4.4				
288-1395	0S	C4.4	3054C-3054E			
310-9905		C4.4 ACERT				
310-9269		C4.4 ACERT				
396-4516	0S	C4.4 ACERT				
396-4482	0S	C4.4 ACERT				
130-6763		3056				
135-0264		3056				
216-8323		3056E				
282-2224		C6.6 ACERT				
380-2063		C6.6 ACERT				
276-7475		C6.6 ACERT				
380-2062		C6.6 ACERT				

PISTON				
PART No	OVERSIZE	ENGINE(S)		
108-2716		3406C&E		
9Y7212		3406C&E		
322-0329		C13		
238-2713		C13		
388-2310		C13		
322-3146		C13		
388-9353		C13		
388-9355		C13		
384-3698		C13		
388-9656		C13		
265-1313		C13		
306-7460		C15		
388-9354		C15		
346-6615		C15		
284-8983		C15		
232-6557		C15		
248-5516		C15		
248-5514		C15		
390-6715		C18		
329-4510		C18		
329-4511		C18		
368-7816		C18		
372-4970		C18		
329-4509		C18		

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST







PISTON PIN PART No	OVERSIZE	ENGINE(S)				
154-0873		C1.5	3013C	C2.2	3024-3024C	
168-7246		3406C&E	C15			
8N1608		3406C&E				
197-9327		C13				
180-7350		C15	C18			

PISTON PIN RETAINER PART No	OVERSIZE	ENGINE(S)				
154-0874		C1.5	3013C	C2.2	3024-3024C	
7E1177		3406C&E	C15			
8N7295		3406C&E				
197-9326		C13				
333-8440		C13				
250-2940		C15	C18			
230-2569		C15	C18			

PISTON CROWN PART No	ENG	NE(S)		
149-5566	340	C&E		
136-5201	340	6C&E		
135-2837	340	6C&E		
7C2888	340	6C&E		
132-6664	340	6C&E		
133-7537	340	6C&E		
139-8500	340	6C&E		
145-6700	340	C&E C15		
180-7352	340	C&E C15		
136-1560	340	6C&E		
221-2305	340	6C&E		
180-7351	(	5		







PISTON SKIRT Part No	ENGINE(	5)		
130-0241	3406C8	.E C15		
136-5202	3406C8	.E		
147-6955	3406C8	.E		
284-6039	3406C8	.E		
132-6663	340608	E C15		

RING SET						
PART No	OVERSIZE	ENGINE(S)				
217-1456		C1.5	3013C	C2.2	3024-3024C	
217-1456B	OS	C1.5	3013C			
290-8458		3013C				
290-8458B	OS	3013C				
225-5436		C3.3	3054C-3054E	C4.4		
233-7231		C3.3	3054C-3054E	C4.4		
334-1996	OS	C3.3	3054C-3054E			
334-1997	OS	C3.3	3054C-3054E	C4.4		
334-2318	OS	C3.3	3054C-3054E	C4.4		
334-2319	OS	C3.3	3054C-3054E	C4.4		
270-6970B	OS	C2.2				
439-3372		C2.2				
439-3372B	OS	C2.2				
270-6970		3024-3024C				
112-7020		3054DIT	3056DIT	3056DINA	3056T	3056E
138-2073		3054NA	3054DIT	3056DIT	3056DINA	
185-0109		3054B(DINA)				
185-0110	OS	3054B(DINA)				
185-0111	OS	3054B(DINA)				
276-7476		C4.4	C4.4 ACERT	C6.6 ACERT		
380-2065	OS	C4.4	C4.4 ACERT	C6.6 ACERT		
146-1780		3056				
217-1573		3056E				

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST







SEPARATE RINGS - TOP PART No	ENGINE(S)			
134-3761	3406C&E	C15		
147-6953	3406C&E			
153-4101	3406C&E			
177-7496	3406C&E	C15		
238-2717	C13			
434-9019	C13			
415-7459	C13			
434-9020	C13			
237-0194	C15			
247-6130	C15			
284-8988	C15			
223-9159	C18			
340-9400	C18			

SEPARATE RINGS - INTERMEDIATE PART No	ENGINE(S)			
That he	Litoiniz(5)			
144-5902	3406C&E			
2P2817	3406C&E	C15		
147-6954	3406C&E			
139-8504	3406C&E			
176-5749	3406C&E	C15		
197-9257	C13			
300-3086	C13			
331-6025	C13			
238-4737	C15			
164-4187	C15			
284-8991	C15			
238-2707	C18			







SEPARATE RINGS - OIL PART No	ENGINE(S)			
7N7078	3406C&E	C15		
147-7327	3406C&E			
139-8505	3406C&E			
189-9771	3406C&E	C15		
265-1113	C13			
238-2704	C13			
238-0294	C15			
306-4014	C15			
284-8993	C15			
246-5659	C18			
340-3639	C18			

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST









#### offer both Bare and Loaded Heads

CYLINDER HEAD					
PART No	OVERSIZE	ENGINE(S)			
235-6974		C1.5	3013C	C2.2	
311-1158		C1.5	3013C		
231-2072			3013C		
303-8483			C3.3		
303-8494		C3.3			
308-1859		C2.2	3024-3024C		
423-7672		C2.2			
217-1481		C2.2	3024-3024C		
236-5127		C2.2	3024-3024C		
321-4061		C2.2	3024-3024C		
480-5418		C2.2			
154-0884		3024-3024C			
319-7269		3024-3024C			
150-8682		3054T			
132-9254		3054T	3056T		
163-9254		3054NA	3054DIT		
232-7519		3054C-3054E			
225-5505		3054C-3054E			
164-6098		3054DIT	3054B(DINA)		
176-3133		3054B(DINA)			
247-4868		C4.4	3054C-3054E		
315-3389		C4.4			
316-7896		C4.4			
298-4526		C4.4 ACERT			
161-9819		3056	3056T		
198-9250		3056	3056DINA	3056T	
164-6099		3056DIT			
216-8335		3056E			
276-8115		C6.6 ACERT			









#### offer both Bare and Loaded Heads

CYLINDER HEAD (Cont.)					
PART No	OVERSIZE	ENGINE(S)			
245-4324		3406C&E	C15	C18	
156-7343		3406C&E			
243-6741		3406C&E	C18		
137-4493		3406C&E			
153-4220		3406C&E			
331-1981		C13			
308-6358		C13			
302-2297		C13			
345-3752		C13			
346-1999		C13			
289-3210		C13			
300-9512		C13			
183-5296		C15	C18		
281-1640		C15	C18		
223-7263		C15	C18		
223-9250		C18	C18		
263-5055		C18			







EXHAUST VALVE PART No	OVERSIZE	ENGINE(S)				
308-1861		C1.5	3013C	C2.2	3024-3024C	
153-5555		3013C				
225-5499		C3.3	C4.4	3054C-3054E		
454-0480		C2.2				
344-1624		C2.2	3024-3024C			
7W4602		3054T	3056	3056DINA	3056T	
145-6857		3054NA	3054DIT			
138-2050		3054DIT	3054B(DINA)	3056DIT	3056E	
176-3137		3054B(DINA)				
315-3394		C4.4				
339-9637		C4.4 ACERT	C6.6 ACERT			
153-7024		3406C&E	C15	C18		
152-7585		3406C&E				
108-5911		3406C&E				
248-1467		C13				
224-3030		C13				

INLET VALVE						
PART No	OVERSIZE	ENGINE(S)				
308-1860		C1.5	3013C	C2.2	3024-3024C	
231-2070		3013C				
225-5495		C3.3	C4.4	3054C-3054E		
454-0479		C2.2				
100-4626		3054T	3056	3056T		
611196		3054T	3056	3056DINA	3056T	
145-6855		3054NA	3054DIT	3056E		
138-2052		3054DIT	3054B(DINA)	3056DIT		
176-3134		3054B(DINA)				
315-3390		C4.4				
309-6678		C4.4 ACERT	C6.6 ACERT			
153-7023		3406C&E	C15	C18		
152-8380		3406C&E				
108-5910		3406C&E				
315-3390		<b>C4.4</b>				
252-7802		C13				
224-3028		C13				
236-5605		C15	C18			







VALVE COLLET PART No	OVERSIZE	ENGINE(S)				
153-5556		C1.5	3013C	C2.2	3024-3024C	
147-1979		C3.3	3054NA	3054DIT	3054B(DINA)	3054C-3054E
		3056DIT	3056E			
067-6834		3054T	3056	3056DINA	3056T	
4P4661		3406C&E				
2A4429		3406C&E	C13	C15	C18	
315-3393		<b>C4.4</b>				
276-8123		C4.4 ACERT	C6.6 ACERT			

VALVE GUIDE PART No	OVERSIZE	ENGINE(S)				
160-5438		3054T	3056	3056DINA	3056T	
163-9256		3054NA	3054DIT	3054B(DINA)	3056DIT	3056E
138-9256		3054DIT	3054B(DINA)			
160-5436		3054T	3056	3056DINA	3056T	
185-0882		C3.3	3054NA	C4.4	3054C-3054E	3056DIT
		3056E				
380-2073		C4.4 ACERT	C6.6 ACERT			
122-7375		3406C&E	C15	C18		
268-2953		C13				
277-9775		C13				







VALVE SEAT INSERT						
PART No	OVERSIZE	ENGINE(S)				
256-2084		C1.5	3013C	C2.2	3024-3024C	
256-2085		C1.5	3013C	C2.2	3024-3024C	
322-9663		C3.3	C4.4	3054C-3054E		
329-6655		C3.3	C4.4	3054C-3054E		
247-6398		C2.2	3024-3024C			
109-3428		3054T	3056	3056DINA	3056T	
145-6854		3054NA	3054DIT			
138-2056		3054DIT	3054B(DINA)	3056DIT		
145-6853		3054NA	3054DIT			
138-2057		3054DIT	3054B(DINA)	3056DIT		
130-1501		3054T	3056			
611197		3054T	3056	3056DINA	3056T	
176-3135		3054B(DINA)				
176-3138		3054B(DINA)				
377-0400		C4.4 ACERT	C6.6 ACERT			
322-9664		C4.4				
377-0399		C4.4 ACERT	C6.6 ACERT			
216-8333		3056E				
109-3427		3056T				
216-8332		3056E				
175-3617		3406C&E	C18			
152-7582		3406C&E	C18			
152-8379		3406C&E				
108-5912		3406C&E				
1W5283		3406C&E				
260-4885		C13				
224-1270		C13				
224-3983		C15	C18			
226-5561		C15	C18			
280-3979		C18				







VALVE SPRING PART No	OVERSIZE	ENGINE(S)				
190-3748		C1.5	3013C	C2.2		
153-5558		3013C	C2.2	3024-3024C		
436-0519		C3.3	C4.4	3054C-3054E		
206-4127		3054NA	3054DIT	3054B(DINA)	3056DIT	3056E
176-3139		3054B(DINA)				
610284		3054T	3056	3056DINA	3056T	
610283		3054T	3056	3056DINA	3056T	
211-3122		3406C&E	C15	C18		
247-9908		3406C&E	C15	C18		
436-0522		<b>C4.4</b>				
436-0524		C4.4 ACERT				
436-0521		C6.6 ACERT				
224-4441		C13				
332-2152		C13				

VALVE SPRING RETAINER PART No	OVERSIZE	ENGINE(S)				
153-5557		C1.5	3013C	C2.2	3024-3024C	
225-5498		C3.3	C4.4	3054C-3054E		
315-3392		C4.4				
276-8133		C4.4 ACERT	C6.6 ACERT			
138-2060		3056DIT	3056E			
610281		3056DINA	3056T			
186-2001		3406C&E	C15	C18		
7E7977		C13				
612663		C13				







VALVE SPRING CAP Part No	OVERSIZE	ENGINE(S)				
322-7485		C1.5	3013C	C2.2	3024-3024C	
VALVE SPRING WASHER					+	
PART No	OVERSIZE	ENGINE(S)				
067-6054		3054T	3056	3056T		

VALVE STEM SEAL PART No	OVERSIZE	ENGINE(S)				
440-5104		C1.5	3013C	C2.2	3024-3024C	
153-5559		C1.5	3024-3024C			
153-5554		C1.5	3024-3024C			
254-3954		C3.3	C4.4	3054C-3054E		
252-6438		C3.3	C4.4	3054C-3054E		
1W5849		3054T	3056	3056DINA	3056T	
145-6858		3054NA	3054DIT	3054B(DINA)	3056DIT	3056E
145-6856		3054NA	3054DIT	3054B(DINA)	3056DIT	3056E
185-0883		3054B(DINA)				
163-2478		3406C&E	C13	C15	C18	
299-5511		C4.4 ACERT	C6.6 ACERT			







CRANKSHAFT PART No	ENGINE(S)				
311-1157	C1.5	3013C			
313-2027	3013C				
235-6962	3013C				
273-9297	C3.3				
270-8741	C2.2				
308-1852	C2.2	3024-3024C			
139-7018	3054T	3054NA	3054DIT	3054B(DINA)	
232-7400	C4.4	C4.4 ACERT	3054C-3054E		
359-0715	C4.4				
359-0716	C4.4 ACERT	3054C-3054E			
300-1025	3056	3056DIT	3056DINA	3056T	
193-0159	3056DIT	3056DINA			
240-8467	3056E				
276-7387	C6.6 ACERT				
611453	3406C&E				
160-1799	3406C&E				
313-3997	C13				
221-9360	C15				
189-4918	C18				







CRANKSHAFT GEAR Part No	OVERSIZE	ENGINE(S)				
308-1853		C1.5	3013C	C2.2	3024-3024C	
154-1202		3013C	3024-3024C			
356-3225		3013C				
216-8314		C3.3	C4.4	C4.4 ACERT	3054C-3054E	3056E
154-1201		C2.2				
610223		3054T 3056DINA	3054NA 3056T	3054DIT	3056	3056DIT
067-9579		3054B(DINA)				
142-7332		3054B(DINA)				
276-7391		C6.6 ACERT				

FRONT COVER PLATE PART No	OVERSIZE	ENGINE(S)		
226-8767		C4.4		

MAIN BEARING SET Part No	OVERSIZE	ENGINE(S)				
161-2628	OS	C1.5	3013C			
304-4764A	OS	3013C				
353-7440	OS	C3.3				
161-7163	OS	C2.2	3024-3024C			
308-2362	OS	C2.2	3024-3024C			
353-7428	OS	3054T	3054NA	3054DIT	3054B(DINA)	3054C-3054E
353-7424	OS	C4.4	C4.4 ACERT			
353-7416	OS	3056	3056DIT	3056DINA	3056T	3056E
360-1978A	OS	C6.6 ACERT				
156-6977		C1.5	3013C			
161-2629	OS	C1.5	3013C			
304-4764		3013C				
353-7439		C3.3				
353-7442	OS	C3.3				
353-7441	OS	C3.3				
154-1203		C2.2	3024-3024C			
308-1854		C2.2	3024-3024C			







MAIN BEARING SET PART No	OVERSIZE	ENGINE(S)				
161-7164	0\$	(2.2	3024-3024C			
	05			2054DIT	20540(DINA)	20546 2054
353-7427	0.0	3054T	3054NA	3054DIT	3054B(DINA)	3054C-3054E
353-7429	0\$	3054T	3054NA	3054DIT	3054B(DINA)	3054C-3054E
353-7430	20	3054T	3054NA	3054DIT	3054B(DINA)	3054C-3054I
353-7423		C4.4	C4.4 ACERT			
353-7425	0\$	C4.4	C4.4 ACERT	3054C-3054E		
353-7426	0S	C4.4	C4.4 ACERT	3054C-3054E		
353-7415		3056	3056DIT	3056DINA	3056T	3056E
353-7417	0\$	3056	3056DIT	3056DINA	3056T	3056E
353-7418	0\$	3056	3056DIT	3056DINA	3056T	3056E
360-1978		C6.6 ACERT				
360-1978B	05	C6.6 ACERT				
360-1978C	05	C6.6 ACERT				
317-8766		3406C&E	C15	C18		
4W5492/010	0S	3406C&E	C15			
4W5698	20	3406C&E	C15	C18		
4W5699	0\$	3406C&E	C15	C18		
4W5492/040	OS	C15				
211-0587		C13				
128-400	20	C13				
128-401	05	C13				
211-0588		C13				
128-0382	OS	C13				
128-0383	05	C13				







OIL SEAL GROUP Part No	OVERSIZE	ENGINE(S)				
154-1675		C1.5	3013C	C2.2	3024-3024C	
156-6973		C1.5				
231-8819		3013C				
154-0178		C2.2	3024-3024C			
232-7449		C3.3	C4.4	C4.4 ACERT	3054C-3054E	
288-0422		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
		C4.4	C4.4 ACERT	3054C-3054E	3056	3056DIT
		3056DINA	3056T	3056E		
W5360		3054B(DINA)	3056	3056DIT	3056DINA	3056T
209-9218		3054T	3054NA	3054DIT	3054B(DINA)	3056
		3056DIT	3056DINA	3056T	3056E	
277-3013		C6.6 ACERT				
292-0886		C6.6 ACERT				
142-5867		3406C&E	C15	C18		
142-5868		3406C&E	C15	C18		
226-4775		C13				
100-5421		C13				

OIL SEAL SLEEVE PART No	OVERSIZE	ENGINE(S)				
167-2153		3054C-3054E				
219-2512		3054T	3054NA	3054DIT	3054B(DINA)	3056
		3056DIT	3056DINA	3056T		
9Y0821		C13				
9Y0810		C13				

PLATE GASKET PART No	OVERSIZE	ENGINE(S)			
225-8287		C3.3	C4.4	C4.4 ACERT	
226-8766		C4.4	C4.4 ACERT	3054C-3054E	
177-2391		3056DIT	3056DINA	3056E	
610838		3056T			
227-1204		3406C&E	C15		
614421		C15	C18		







THRUST BEARING PART No	OVERSIZE	ENGINE(S)				
154-1231		C1.5	3013C	C2.2	3024-3024C	
032-9090		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
		C4.4	C4.4 ACERT	3054C-3054E	3056	3056DIT
		3056DINA	3056T	3056E		
032-9091		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
		C4.4	C4.4 ACERT	3054C-3054E	3056	3056DIT
		3056DINA	3056T	3056E		
154-1230		C2.2	3024-3024C			
247-2723	20	C3.3	3054T	3054NA	3054DIT	3054B(DINA)
		C4.4	C4.4 ACERT	3054C-3054E	3056	3056DIT
		3056DINA	3056T	3056E		
247-2717		C4.4 ACERT				
253-1752		3406C&E	C15	C18		
364-5145		C6.6 ACERT				
246-3144		C13				

FOR DETAILS ON OVERSIZE PARTS PLEASE SEE MAIN ENGINE LIST

### **CATERPILLAR CONROD AND RELATED PARTS**





CONROD						
PART No	OVERSIZE	ENGINE(S)				
156-6980		(1.5	3013C			
130-0700		CI.J	30130			
231-3870		3013C				
225-5458		C3.3	3054B(DINA)	C4.4	C4.4 ACERT	3054C-3054E
		3056DIT	3056DINA	3056E		
225-5459		C3.3	3054B(DINA)	C4.4	C4.4 ACERT	3054C-3054E
		3056DIT	3056DINA	3056E		
154-0867		C2.2	3024-3024C			
240-9954		3054T	3056T			
225-5454		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	3056E
225-5453		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	3056E
225-5451		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	3056E
225-5441		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	3056E
359-0724		C4.4	C4.4 ACERT	3054C-3054E		
359-0722		C4.4	C4.4 ACERT	3054C-3054E		
067-6879		3056				
331-0292		C6.6 ACERT				
331-0290		C6.6 ACERT				
331-0291		C6.6 ACERT				
0.50.0700		64.4	CA A ACEPT	00546 00545		
359-0720		C4.4	C4.4 ACERT	3054C-3054E		
359-0723		C4.4	C4.4 ACERT	3054C-3054E		
359-0719		C4.4	C4.4 ACERT	3054C-3054E		
359-0721		<b>C4.4</b>	C4.4 ACERT	3054C-3054E		
9Y6054		3406C&E	C15			
<b>7E5996</b>		3406C&E				
1/0 0000		610				
160-8229		C13				
292-0483		C13				
223-9150		C13				
224-3245		C15	C18			
222-3897		C18				

#### **CATERPILLAR CONROD AND RELATED PARTS**

CONROD BEARING SET						
PART No	OVERSIZE	ENGINE(S)				
161-2630	0\$	C1.5	3013C			
304-4767	0\$	3013C				
353-2749	OS	C3.3				
307-9855	OS	C2.2				
439-3373	OS	3024-3024C				
353-2206	OS	3054T	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E			
353-2753	OS	3056	3056DIT	3056DINA	3056T	3056E
458-7918	OS	C6.6 ACERT				
161-2631	OS	C1.5	3013C	3024-3024C		
353-2750	OS	C3.3				
307-9856	0\$	C2.2				
353-2207	OS	3054T	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	0001011	000 12(211111)	• • • • • • • • • • • • • • • • • • • •
353-2754	OS	3056	3056DIT	3056DINA	3056T	3056E
458-7939	05	C6.6 ACERT	0030511	0030511111	00301	00302
353-2751	05	C3.3				
353-2208	05	3054T	3054NA	3054DIT	3054B(DINA)	C4.4
353-2200	03	C4.4 ACERT	3054C-3054E	JUJFUII	JUJTD(DINA)	(4.4
353-2755	OS	3056	3056DIT	3056DINA	3056T	3056E
458-7940	05	C6.6 ACERT	וועטכטכ	JUJUDINA	30301	30301
156-6978	03	C1.5	3013C			
304-4766		3013C	30130			
353-2748		C3.3				
146-7808		C2.2	3024-3024C			
		3024-3024C	3024-3024C			
308-1855 353-2205		3054T	3054NA	3054DIT	20540(DINA)	C4.4
353-2205				3034011	3054B(DINA)	(4.4
050 0750		C4.4 ACERT	3054C-3054E	005/5004	005/7	005/5
353-2752		3056	3056DIT	3056DINA	3056T	3056E
360-1564		C6.6 ACERT	61.5			
328-5573		3406C&E	C15			
9Y7735/010	0\$	3406C&E	C15			
7E0558	000	3406C&E	C15			
7E0559	20	3406C&E	C15			
292-0484		C13				
128-0395		C13				
128-0396		C13				
261-3450		C15	C18			
232-3235	OS	C15	C18			
232-3236	OS	C15	C18			
224-3246		C18				

### **CATERPILLAR CONROD AND RELATED PARTS**





CONROD BOLT PART No	OVERSIZE	ENGINE(S)				
154-0870		C1.5	3013C	C2.2	3024-3024C	
225-5439		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
	<b>C4.4</b>	C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	
	3056T	3056E				
124-3532		3054B(DINA)				
067-6883		3054T	3054NA	3054DIT	3056	3056T
		3056E				
323-9312		C4.4	C4.4 ACERT	3054C-3054E	C6.6 ACERT	
7E4195		3406C&E	C15			
115-2793		C13				
213-3217		C15	C18			

CONROD BUSHING PART No	OVERSIZE	ENGINE(S)				
154-0869		C1.5	3013C	C2.2	3024-3024C	
153-5536		3013C				
225-5438		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		C4.4 ACERT	3054C-3054E	3056DIT	3056DINA	3056E
240-9955		3054T	3056T			
7W2510		3054T	3056T			
320-2352		3054NA	3054DIT	3054B(DINA)	3056E	
067-6158		3056				
7E4195		3406C&E	<b>C</b> 15			
115-2793		C13				
213-3217		C15	C18			

CONROD NUT Part No	OVERSIZE	ENGINE(S)				
154-0871		C1.5	3013C	C2.2	3024-3024C	
153-5538		3013C				
6B6684		3054NA	3054DIT			
7W2505		3056	3056T	3056E		







CAMSHAFT PART No	OVERCITE	ENCINE/C)			
PAKI NO	OVERSIZE	ENGINE(S)			
240-0039		C1.5	3013C		
311-1165		C1.5	3013C		
346-8838		C3.3			
346-8818		C3.3			
346-8976		C3.3			
309-6733		C2.2	3024-3024C		
154-4504		C2.2	3024-3024C		
360-5470		3054T			
356-3503		3054NA	3054DIT		
357-6810		3054B(DINA)			
350-2374		C4.4	3054C-3054E		
350-2433		C4.4			
380-2600		C4.4			
394-1399		C4.4 ACERT			
306-2330		C4.4 ACERT			
350-1846		3054C-3054E			
0/41110		2057	005/7		
364-1119		3056	3056T	205/5	
360-3197		3056DIT	3056DINA	3056E	
047 1101		C/ / ACEDT			
347-1131		C6.6 ACERT			
347-1132		C6.6 ACERT			
217-7139		3024-3024C			
156-6996		3024-3024C 3024-3024C			
130-0770		3UZ4-3UZ4C			
343-2871		C2.2	3024-3024C		
308-1902		C2.2	3024-3024C		
J00-1702		VZ.Z	JUZ4-JUZ4C		+
342-8500		C1.5	3013C		+
012-0300		CLJ	30130		
342-0523		3013C			
238-1204		3013C			
200 1201		00100			





CAMSHAFT (Cont.)					
PART No	OVERSIZE	ENGINE(S)			
187-9381		3406C&E			
131-0510		3406C&E			
332-7301		3406C&E			
143-9153		3406C&E	C15		
332-7308		3406C&E			
223-7468		C13			
240-1856		C13			
348-9820		C13			
223-7467		C13			
260-3204		C13			
344-9038		C13			
348-9715		C13			
375-2510		C13			
252-5009		C15			
139-0538		C15			
332-7298		C15	C18		
239-6139		C18	C18		
332-7300		C18	C18		
325-1113		C18			
130-9710		C18			

CAMSHAFT GEAR PART No	OVERSIZE	ENGINE(S)		
9Y2633		3054T		
425-7103		C6.6 ACERT		

IDLER GEAR PART No	OVERSIZE	ENGINE(S)		
2W1529		3054T		

IDLER GEAR BUSHING PART No	OVERSIZE	ENGINE(S)				
067-6899		3054T	3054NA	3054DIT	3054B(DINA)	3056
		3056DINA	3056T	3056DIT		





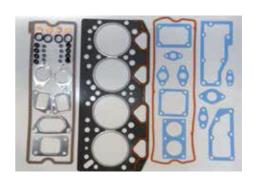


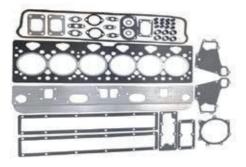
PUSHROD Part No	OVERSIZE	ENGINE(S)				
160-3534		C1.5	3013C			
067-6095		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
	C4.4	3054C-3054E	3056	3056DIT	3056DINA	
	3056T	3056E				
154-1248		C2.2				
278-5126		C4.4	C4.4 ACERT	C6.6 ACERT		
319-0271		C13				
319-0270		C13				

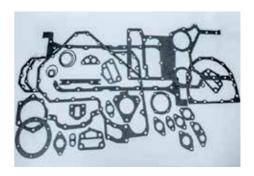
ROCKER ARM BUSH Part No	OVERSIZE	ENGINE(S)				
209-0093		3054NA	3054DIT	3054B(DINA)	3056DIT	3056DINA

TAPPET PART No	OVERSIZE	ENGINE(S)				
154-1249		C1.5	3013C	C2.2		
138-2053		C3.3	3054T	3054NA	3054DIT	3054B(DINA)
		C4.4	3054C-3054E	3056	3056DIT	3056DINA
		3056T	3056E			
438-9109		C2.2				
315-3384		C4.4	C4.4 ACERT			
278-5125		C6.6 ACERT				

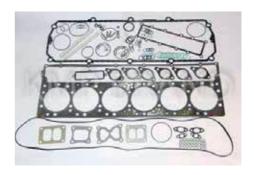












CYLINDER HEAD GASKET						
PART No	OVERSIZE	ENGINE(S)				
258-4946		C4.4	3054C-3054E			
273-9375		C3.3				
160-0161		3054T	3054NA	3054DIT		
185-0885		3054B(DINA)	000 11111	000.1011		
156-4173		3056	3056DIT	3056DINA	3056T	3056E
310-8520		C4.4 ACERT				
422-4438		C6.6 ACERT				
176-3141		C6.6 ACERT				
254-4504	0\$	3013C				
218-8533	0\$	C1.5	3013C			
231-2073	0\$	3013C				
218-8537	05	C1.5	3013C			
311-1685		C2.2	3024-3024C			
322-7488	OS	C2.2	3024-3024C			
322-7487	0\$	C2.2	3024-3024C			
322-7486	0S	C2.2	3024-3024C			
420-6400		C2.2				
153-9653		3406C&E	C15			
359-0908		3406C&E	C15	C18		
221-9392		C13				

EXHAUST MANIFOLD GASKET PART No	OVERSIZE	ENGINE(S)			
161-8282		C1.5	3013C		
311-1173		C1.5			
273-9246		C3.3			
154-2427		C2.2	3024-3024C		
005.0010		20547	005444	0054817	
035-8218		3054T	3054NA	3054DIT	
185-6623		3054B(DINA)			
225-8536		3054C-3054E	C4.4		
298-4570		C4.4 ACERT			
7C1240		3056	3056T		
7C1241		3056	3056T	3056E	
162-2088		3056DIT	3056DINA		
216-8712		3056E			

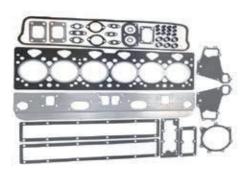


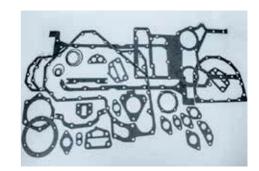


EXHAUST MANIFOLD GASKET (Cont.) PART No	OVERSIZE	ENGINE(S)			
138-4611		3406C&E	C15		
349-1834		C6.6 ACERT			
279-9361		C6.6 ACERT			
283-2238		C13			
224-5389		C13			
281-8261		C15	C18		
194-8124		C18			
129-9452		C18			

FILTER HEAD GASKET PART No	OVERSIZE	ENGINE(S)			
225-7944		C4.4	C4.4 ACERT		
233-9408		C4.4	C4.4 ACERT		

GASKET KIT						
PART No	OVERSIZE	ENGINE(S)				
KMP-C2.2-K2		C2.2				
KMP-C4.4-K2		C4.4 ACERT				
KMP-C4.4-K1		C4.4 ACERT				
275-0885		C3.3				
173-9716		3054T				
234-3370		3054NA	3054DIT	3054B(DINA)		
187-4968		3054DIT	3054B(DINA)			
272-2232		C4.4	3054C-3054E			
272-0494		C4.4	3054C-3054E			
290-2494		3054C-3054E				
222-5836		3056	3056DIT	3056DINA	3056T	
232-3102		3056DIT	3056DINA			
216-9616		3056E				
KMP-C6.6-K2A		C6.6 ACERT				
KMP-C6.6-K2B		C6.6 ACERT				





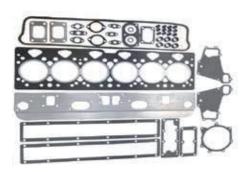
GASKET KIT (Cont.)	0.1500.175				
PART No	OVERSIZE	ENGINE(S)			
252-1827		C1.5			
252-1789		3013C			
155-8078		C1.5	3013C		
164-8900		3024-3024C			
KMP-3024C-K1/K2		3024-3024C			
291-8885		C3.3			
KMP-C2.2-K1NHG		C2.2			
227-0186		3054T			
177-3310		3054T			
175-1321		3054NA	3054DIT		
187-1290		3054B(DINA)			
277-5156		C4.4	3054C-3054E		
187-3615		3056	3056T		
187-1963		3056DIT	3056DINA		
216-9612		3056E			
WID 04045 W.		0.40.4.50.5			
KMP-3406E-K1A		3406C&E			
KMP-3406E-K1B		3406C&E			
KMP-3406E-K2		3406C&E			
KMP-C6.6-K1A		C6.6 ACERT			
KMP-C6.6-K1B		C6.6 ACERT			
KMIT-CO.O-K I D		CO.O ACENI			
KMP-C13-K1		C13			
KMP-C13-K2		C13			<del> </del>
KMP-C15-K1A		C15			
KMP-C15-K1B		C15			
KMP-C15-K2		C15			
KMP-C18-K1A		C18			
KMP-C18-K1B		C18			
KMP-C18-K2		C18			
4.4 MA					

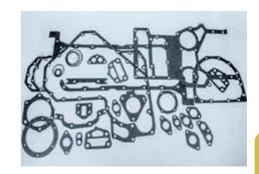




INTAKE MANIFOLD GASKET						
PART No	OVERSIZE	ENGINE(S)				
142-2414		3054T				
101-3125		C15				
OIL PAN GASKET					+	
PART No	OVERSIZE	ENGINE(S)				
215-2604		C1.5	3013C			
274-4695		C3.3				
215-2605		3024-3024C	2021 2021			
423-5607		C2.2	3024-3024C			
032-9946		3054T	3054NA	3054DIT	3054B(DINA)	3056DINA
225-6005		C4.4	3054C-3054E			
237-5932		C4.4 ACERT				
213-9710		3056				
614710		3056	3056DIT	3056T	3056E	
4N1151		3406C&E	C15			
188-0210		3406C&E	CIS			
275-9884		C6.6 ACERT				
154-1945		3024-3024C				
219-4669		3013C				
Z17-TUU7		30130				
217-3673		C13				

OIL COOLER GASKET PART No	OVERSIZE	ENGINE(S)			
610689		3054T			
225-6818		C4.4			
272-2265		C4.4	3054C-3054E		
298-4560		C4.4 ACERT			
353-7715		C4.4 ACERT			





PART No	OVERSIZE	ENGINE(S)			
225-8287		C3.3	C4.4	C4.4 ACERT	
226-8766		C4.4	C4.4 ACERT	3054C-3054E	
177-2391		3056DIT	3056DINA	3056E	
610838		3056T			
227-1204		3406C&E	C15		
614421		C15	C18		

ROCKER COVER GASKET					
PART No	OVERSIZE	ENGINE(S)			
235-5531		C1.5	3013C		
254-6030		C1.5	3013C		
231-3020		3013C			
275-1199		C3.3			
233-0695		C2.2	3024-3024C		
154-1344		3024-3024C			
10/ //71		00547			
126-6671		3054T	0054817	00548484444	
200-6374		3054NA	3054DIT	3054B(DINA)	
225-6451		C4.4	3054C-3054E		
126-2238		3056	3056T		
200-6373		3056DIT	3056DINA		
614730		3056	3056T		
216-9604		3056E			
5P5678		3406C&E	C13		
242-9537		3406C&E	C15	C18	
05/ 7704		C/ / ACERT			
256-7704		C6.6 ACERT			
277-5063		C6.6 ACERT			
229-5711		C13			

ROCKER HOUSING GASKET					
PART No	OVERSIZE	ENGINE(S)			
235-7012		C1.5			
156-6993		C1.5			
447-3735		3013C			
447-5255		3013C			
TTI -3233		30130			
217-2752		C2.2	3024-3024C		
298-4552		C4.4 ACERT			
154 1050		2004 20046			
154-1250		3024-3024C			
272-0389		C13			
REAR SEAL HOUSING GASKET					
PART No	OVERSIZE	ENGINE(S)			
172-4584		3056			
TIMING COVER GASKET					
PART No	OVERSIZE	ENGINE(S)			
215-2621		3024-3024C			
213-2021		3024-3024C			
155-9524		C18			
133-7324		CIO			
TUDDO OLCUET					
TURBO GASKET PART No	OVERSIZE	ENGINE(S)			
	OVERSIZE				
238-9196		3024-3024C			
304-5061		3024-3024C			
194-5390		C4.4 ACERT			
225-8530		C4.4 ACERT			
197-8419		C13	C15		
289-4135		C13			
247-6851		C15	610		
197-8418		C15	C18		
VALVE COVED CASVET				 	
VALVE COVER GASKET PART No	OVERSIZE	ENGINE(S)			
	OVERSIZE				
298-4546		C4.4 ACERT			

# **CATERPILLAR FUEL SYSTEM**







FUEL INJECTION PUMP PART No	OVERSIZE	ENGINE(S)				
291-8790	OTERSIZE	C3.3				
292-0339		C3.3				
292-106		C3.3				
456-4181		C3.3				
275-0883		C3.3				
292-9012		C3.3				
FUEL LINE LEAK OFF PART No	OVERCIZE	ENGINECO				
PART NO	OVERSIZE	ENGINE(S)				
145-8326		3056DINA				
FUEL SHUT OFF SOLENOID						
PART No	OVERSIZE	ENGINE(S)				
FARI NO	UVENSIZE	ENGINE(3)				
208-5029		3056DIT				
THE TRANSFER BUMD						
FUEL TRANSFER PUMP PART No	OVERSIZE	ENGINE(S)				
	OVERSIZE					
183-4320		C1.5	3013C	C2.2	3024-3024C	
295-4070		C1.5	C2.2	3024-3024C		
467-6837		C3.3				
001 0077		2074T	2054NA	2054DIT	20540(DINA)	
201-0877 467-7011		3054T 3054C-3054E	3054NA	3054DIT	3054B(DINA)	
299-9265		30341-30346				
277 7203		C4.4				
		C4.4				
143-8498		C4.4 3056DIT	3056DIT	3056DINA	3056T	
143-8498 132-9447		C4.4 3056DIT 3056	3056DIT	3056DINA	3056T	
143-8498		C4.4 3056DIT	3056DIT	3056DINA	3056T	
143-8498 132-9447 255-2453		3056DIT 3056 3056	3056DIT	3056DINA	3056T	
143-8498 132-9447 255-2453		3056DIT 3056 3056 3056E	3056DIT	3056DINA	3056T	
143-8498 132-9447 255-2453 105-2508 190-8970		3056DIT 3056 3056 3056E 3406C&E 3406C&E		3056DINA	3056T	
143-8498 132-9447 255-2453		3056DIT 3056 3056 3056E	3056DIT	3056DINA	3056T	

# **CATERPILLAR FUEL SYSTEM**





FUEL TRANSFER PUMP GASKET PART No	OVERSIZE	ENGINE(S)			
231-4457		3056	3056T	3056E	

FUEL TRANSFER REPAIR KIT Part No	OVERSIZE	ENGINE(S)				
033-7837		3054NA	3054DIT	3054B(DINA)		
171-1384		3056	3056DIT	3056DINA	3056T	

GL PA	.OW PLUG IRT No	OVERSIZE	ENGINE(S)			
23	32-6662		C3.3	C4.4	3054C-3054E	

INJECTOR PART No	OVERSIZE	ENGINE(S)				
252-1466		C1.5	3013C	C2.2	3024-3024C	
234-0387		C3.3	3054C-3054E			
292-0346		C3.3	3054C-3054E			
236-1673		C3.3	3054C-3054E			
232-2724		C3.3	3054C-3054E			
101-3898		3054T				
101-4388		3054T	3056T			
152-3937		3054NA				
198-4102		3054DIT				
197-9417		3054B(DINA)				

#### **CATERPILLAR FUEL SYSTEM**

INJECTOR (Cont.)					
PART No	OVERSIZE	ENGINE(S)			
315-3381		C4.4			
316-7987		C4.4			
321-1070		C4.4 ACERT	C6.6 ACERT		
320-0670		C4.4 ACERT			
320-0680		C4.4 ACERT			
320-0688		C4.4 ACERT			
320-0677		C4.4 ACERT			
102-9902		3056			
220-0491		3056	3056T		
216-9786		3056E			
145-8324		3056DIT			
186-6538		3056DIT			
147-6240		3056DINA			
321-1080		C6.6 ACERT			
321-0990		C6.6 ACERT			
211-3022		C15			
211-3023		C15			

INJECTOR PUMP PART No	OVERSIZE	ENGINE(S)		
145-8909		3056DIT		

INJECTOR SEAL					
PART No	OVERSIZE	ENGINE(S)			
202-1196		3024-3024C			
9X7430		3406C&E			
166-2903		3406C&E			
166-2904		3406C&E			
274-1639		C4.4 ACERT	C6.6 ACERT		
230-3728		C13			
230-3775		C13			
9X7317		C13	<b>C</b> 15		
9X7418		C13			
9X7419		C13			
215-3198		C13			

#### **CATERPILLAR FUEL SYSTEM**







INJECTOR WASHER PART No	OVERSIZE	ENGINE(S)				
140-8718		C3.3	3054NA	3054DIT	3054B(DINA)	C4.4
		3054C-3054E	3056DIT	3056DINA	3056E	
033-7873		3056	3056T			
467-7011		3054C-3054E				

WATER SEPARATOR PART No	OVERSIZE	ENGINE(S)				
276-1806		C1.5	3024-3024C			
276-1804		C1.5	3013C	3024-3024C		
183-5446		3013C	3024-3024C			
1R0793		C3.3				
156-1200		3024-3024C				
138-3100		3054DIT	3054B(DINA)	3056	3056T	3056E
		3056DIT	3056DINA			
1R1804		3054C-3054E				
133-5673		3406C&E	C15	C18		
252-6338		C4.4				
26-1644		C6.6 ACERT				
326-1643		C13				

#### **CATERPILLAR OIL PUMP AND RELATED PARTS**







BALANCER UNIT						
PART No	OVERSIZE	ENGINE(S)				
234-0615		C4.4	C4.4 ACERT	3054C-3054E		
BEARING						
PART No	OVERSIZE	ENGINE(S)				
7C3133		3054T	3054NA	3054DIT	3054B(DINA)	
7C3136		3054T	3054NA	3054DIT	3054B(DINA)	
BUSHING				}		
PART No	OVERSIZE	ENGINE(S)				
7C3150		3054T	3054NA	3054DIT	3054B(DINA)	
FILTER HEAD						
PART No	OVERSIZE	ENGINE(S)				
249-0974		C4.4	C4.4 ACERT			
249-0975		C4.4	C4.4 ACERT			
GFAR						
	OVERSIZE	ENGINE(S)				
PART No	OVERSIZE	ENGINE(S) 3024-3024C				
PART No 297-3050	OVERSIZE		3054DIT			
<b>PART No</b> 297-3050 7C7700	OVERSIZE	3024-3024C		3054B(DINA)		
PART No 297-3050 7C7700 142-7397	OVERSIZE	3024-3024C 3054NA	3054DIT	3054B(DINA) 3054DIT	3054B(DINA)	
PART No 297-3050 7C7700 142-7397 7C3135	OVERSIZE	3024-3024C 3054NA 3054NA 3054T	3054DIT 3054DIT		3054B(DINA)	
PART No 297-3050 7C7700 142-7397 7C3135	OVERSIZE	3024-3024C 3054NA 3054NA	3054DIT 3054DIT 3054NA	3054DIT	3054B(DINA)	
PART No  297-3050  7C7700  142-7397  7C3135  234-0204  234-0205	OVERSIZE	3024-3024C 3054NA 3054NA 3054T C4.4 C4.4	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	
PART No 297-3050 7C7700 142-7397 7C3135 234-0204 234-0205 9Y8075 9Y8076	OVERSIZE	3024-3024C 3054NA 3054NA 3054T C4.4 C4.4 C13 C13	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	
PART No  297-3050  7C7700  142-7397  7C3135  234-0204  234-0205  9Y8075  9Y8076  223-1613	OVERSIZE	3024-3024C 3054NA 3054NA 3054T C4.4 C4.4 C13 C13 C13	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	
PART No  297-3050  7C7700  142-7397  7C3135  234-0204  234-0205  9Y8075  9Y8076  223-1613  223-1614	OVERSIZE	3024-3024C  3054NA 3054NA 3054T  C4.4 C4.4 C13 C13 C13 C13 C13	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	
PART No  297-3050  7C7700  142-7397  7C3135  234-0204  234-0205  9Y8075  9Y8076  223-1613  223-1614  202-3572	OVERSIZE	3024-3024C  3054NA 3054NA 3054T  C4.4 C4.4 C13 C13 C13 C13 C13 C15	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	
GEAR PART No  297-3050  7C7700 142-7397 7C3135  234-0204 234-0205  9Y8075 9Y8076 223-1613 223-1614 202-3572 145-8503 1W7238	OVERSIZE	3024-3024C  3054NA 3054NA 3054T  C4.4 C4.4 C13 C13 C13 C13 C13	3054DIT 3054DIT 3054NA C4.4 ACERT	3054DIT 3054C-3054E	3054B(DINA)	

#### **CATERPILLAR OIL PUMP AND RELATED PARTS**







OIL COOLER						
PART No	OVERSIZE	ENGINE(S)				
245-1361		C1.5	C2.2	3024-3024C	3054DIT	3054B(DINA)
245-1369		C3.3	3054NA	3054DIT		
047 (010		00547				
247-6318		3054T				
233-7222		3054C-3054E				
364-5471		3054T	3054NA	3054DIT	3054B(DINA)	
245-1365		3054B(DINA)				
225-6817		C4.4				
298-4558		C4.4 ACERT				
614790		3056				
249-0832		3056DIT	3056DINA	3056E		
175-3915		3056T				
103-1062		3056T				
133-0125		3406C&E				
7C3039		3406C&E				
7W1713		3406C&E				
/WI/13		3400C&E				
281-7039		C6.6 ACERT				
050 1/05		610				
359-1625		C13				
236-8745		C13				
277-5774		C13				
700145		C15	C18			

OIL COOLER SEAL Part no	OVERSIZE	ENGINE(S)			
162-9754		3056DIT			

#### **CATERPILLAR OIL PUMP AND RELATED PARTS**







OIL PUMP						
PART No	OVERSIZE	ENGINE(S)				
339-3017		C1.5	3024-3024C			
311-1104		3013C				
339-3014		3013C				
231-0141		C3.3				
243-4304		C3.3	3054C-3054E			
7C3134		3054T	3054NA	3054DIT	3054B(DINA)	
610912		3054DIT				
610253		3054B(DINA)				
225-8329		<b>C4.4</b>	3054C-3054E			
447-8572		<b>C4.4</b>	C4.4 ACERT			
(14070		2057				
614370		3056	005/DIT	005/0014	205/7	
100-3717		3056	3056DIT	3056DINA	3056T	
216-8625		3056E				
161-4111		3406C&E				
161-4113		3406C&E	C15	C18		
4N8735		3406C&E	C15	CIO		
198-1508		3406C&E	CIS			
170 1300		O IOUCAL				
373-8014		C6.6 ACERT				
233-5220		C13				
233-1608		C13				

SHAFT PART No	OVERSIZE	ENGINE(S)				
7C7697		3054T	3054NA	3054DIT	3054B(DINA)	







REPAIR KIT PART No	OVERSIZE	ENGINE(S)				
234-0636		3054NA	3054DIT	3054B(DINA)	3056DIT	3056DINA
		3056E				
614723		3056	3056T			
177-8782		3056DIT	3056DINA			
247-0144		3054C-3054E				
138-6744		3046C&E	C15	C18		

G						+
THERMOSTAT	OVERCIZE	ENGINES				
PART No	OVERSIZE	ENGINE(S)				
251-7660		C1.5	3013C			
231-7859		3013C				
20.7007		33.30				
254-2268		C3.3	3054C-3054E			
249-5541		C2.2	3024-3024C			
4W8063		3054T	3056	3056T		
220-2748		3054NA	3054DIT	3054B(DINA)	3056DIT	3056DINA
		3056E				
254-2267		<b>C4.4</b>	3054C-3054E			
254-2269		<b>C4.4</b>	3054C-3054E			
120-9453		3406C&E				
248-5513		3406C&E	C18			
247-7133		3406C&E	C13	C15	C18	
417 7700		CA A ACERT				
417-7782		C4.4 ACERT				
367-7900		C13				







THERMOSTAT GASKET PART No	OVERSIZE	ENGINE(S)			
439-0945		C2.2	3024-3024C		
359643		3046C&E			
128-0317		C13	C18		
336-2212		C18			
153-1256		C18			
244-1645		C18			

WATER PUMP						
PART No	OVERSIZE	ENGINE(S)				
311-0053		C1.5	3013C	3024-3024C		
439-4992		C1.5	C2.2			
231-7854		3013C				
355-2252		C3.3	C4.4			
371-0182		C2.2				
371-0183		C2.2	3024-3024C			
291-5304		3054T	3056	3056T		
239-6142		3054NA	3054DIT	3054B(DINA)	3056DIT	3056DINA
239-2106		3054B(DINA)	3056	3056T		
225-8016		3054C-3054E				
354-4754		C4.4 ACERT	C6.6 ACERT			
172-7207		3056DIT	3056DINA			
198-9875		3056DIT	3056DINA			
234-6110		3056E				
105 4005		204/605				
135-4925		3046C&E	C) F	610		
161-5719		3046C&E	C15	C18		
252 0204		CIO				
352-0206 223-9147		C13				
160-8227		C15				
336-2213		C15	C18			
224-3238		CIS	CIO			
357-8359		C18				
331-0331		CIO				







WATER PUMP SHAFT PART No	ENGINE(S)			
291-6905	C13			
223-9144	C13			
135-4928	C15	C18		
246-3130	C15	C18		
346-3130	C18			

WATER PUMP IMPELLER PART No	ENC	GINE(S)		
223-9143		C13		
129-9907		C15 C18		
246-3129		C15 C18		







WATER PUMP ASSY GASKET PART No	OVERSIZE	ENGINE(S)			
303-0307		C2.2	3024-3024C		
128-0317		C13	C18		
336-2212		C18			
153-1256		C18			
244-1645		C18			

## **CATERPILLAR FILTERS**













Publication 105 offers full details of the filter range including filter kits. Please view online or request a brochure

#### **CATERPILLAR FILTERS**

FUEL FILTER						
PART No	OVERSIZE	ENGINE(S)				
033-7854		C1.5	3013C			
067-6987		C1.5	3013C	C2.2	3024-3024C	
243-6411		C1.5	3013C	3024-3024C		
150-4142		C1.5	3013C	C2.2	3024-3024C	
276-1806		3024-3024C				
155-8080		3024-3024C				
350-5172		C3.3	3054C-3054E			
201-0878		3054T	3054NA	3054DIT	3054B(DINA)	
159-6102		3054T	3056	3056T		
138-3096		3054NA	3054DIT	3054B(DINA)		
1R1804		<b>C4.4</b>				
343-7104		C4.4 ACERT				
299-8229		C4.4 ACERT	C6.6 ACERT			
145-4501		3056DIT	3056DINA	3056E		
226-4826		3056DIT	3056DINA			
9M2342		3406C&E	C15			
1R0749		3406C&E	C13	C15	C18	
368-5934		C6.6 ACERT				
368-5933		C6.6 ACERT				
326-1641		C13				

OIL FILTER						
PART No	OVERSIZE	ENGINE(S)				
220-1523		C1.5	3013C	C2.2	3024-3024C	
1R0734		3024-3024C				
7W2326		C4.4	C4.4 ACERT			
1R1801		3054C-3054E				
209-0036		3056DIT	3056DINA			
7W2327		3056	3056DIT	3056DINA	C3.3	3054T
7 112027		3054NA	3054DIT	3054B(DINA)	3056T	3056E
1R0716		3406C&E	C15	C18		
1R1808		3406C&E	C13	C18		
462-1171		C6.6 ACERT				
1G8878		C18				

#### **CATERPILLAR TURBOCHARGERS**

CARTRIDGE				
PART No	OVERSIZE	ENGINE(S)		
614203		3054T		
166-2870		3056DIT		
166-2884		3056DIT		
112-5595		3056T		
202-4081		3406C&E		
167-9270		3406C&E		
274-7104		C13		
279-6060		C13		
196-4157		C15		
161-6780		C15		
211-6960		C18		
190-6222		C18		

TURBO					
PART No	OVERSIZE	ENGINE(S)			
424-9839		C1.5			
1211201					
238-9349		C2.2	3024-3024C		
292-0348		C3.3			
292-9000		C3.3			
220-4985		3054DIT			
225-8529		3054C-3054E			
233-9534		3054C-3054E			
234-2418		3054C-3054E			
234-2988		3054C-3054E			
226-8771		3054C-3054E			
238-8567		3054C-3054E			
236-4927		3054C-3054E			
236-8746		3054C-3054E			
118-8384		3054T			
237-3924		C4.4			
315-9721		C4.4			
316-7989		C4.4			
326-9153		C4.4			
330-0386		C4.4			
316-0477		C4.4 ACERT			
316-0510		C4.4 ACERT			
316-0525		C4.4 ACERT			
316-0555		C4.4 ACERT			

#### **CATERPILLAR TURBOCHARGERS**







TURBO (Cont.) PART No	OVERSIZE	ENGINE(S)			
196-5951		3406C&E	C15		
179-5922		3406C&E			
141-9768		3056DIT			
166-2881		3056DIT			
247-2965		C13			
291-5480		C13			
196-5949		C15			
211-6959		C18			
227-5982		C18			

#### **CATERPILLAR FLYWHEEL RING GEARS**



RING GEAR						
PART No	OVERSIZE	ENGINE(S)				
156-6960		C1.5				
154-2405		C2.2				
156-6960		3013C				
153-6865		3013C				
154-2405		3024-3024C				
7W6247		C3.3	3054B(DINA)	3054C-3054E		
033-7687		C3.3	3054T	3054NA	3054DIT	C4.4
		C4.4 ACERT	3054C-3054E	3056	3056DIT	3056DINA
		3056T	3056E			
277-0588		C6.6 ACERT				



Part No	Page
032-9090	12, 23, 28, 31, 37, 41, 47, 50, 53, 56, 62,
	68, 73, 127
032-9090/1	14, 25, 26, 30, 34, 35, 39, 43, 44, 49, 52
	55, 59, 60, 64, 65, 70, 71, 75, 76
032-9091	12, 23, 28, 31, 37, 41, 47, 50, 53, 56, 62
68, 73, 127	
032-9946	24, 29, 32, 38, 63, 138
033-7687	13, 24, 29, 33, 42, 48, 51, 54, 58, 63, 69
74, 156	
033-7837	29, 32, 38, 142
033-7854	5, 9, 153
033-7873	54, 68, 144
035-8218	24, 29, 32, 135
036-5802	23, 25, 26, 28, 30, 31, 34, 35, 37, 39, 53
	55, 56, 59, 60, 62, 64, 65, 67, 70, 71, 73
	75, 76, 105
067-6054	122, 23, 53, 67
067-6095	12, 24, 28, 32, 38, 41, 47, 54, 57, 63, 68
	74, 133
067-6158	53, 55, 130
067-6834	23, 25, 26, 53, 55, 62, 64, 65, 67, 70, 71
	119
067-6879	53, 128
067-6883	23, 28, 32, 53, 68, 73, 130
067-6899	24, 28, 32, 38, 54, 57, 63, 68, 132
067-6987	153, 5, 9, 17, 21
067-9579	37, 124
100-3717	54, 57, 63, 68, 146
100-4626	23, 25, 26, 53, 55, 67, 70, 71, 118
100-5421	91, 126
101-3125	97, 138
101-3898	142, 24
101-4388	142, 24, 68
102-9902	143, 54
103-1062	68, 146
103-1082	69
104-3560	89, 90, 93, 94, 109
105-2508	85, 141
107-2553	31, 67, 70, 71, 109
108-2716	87, 110, 82
108-5910	118, 84
108-5911	118, 84
108-5912	120, 84
108-7930	98, 102
109-3427	120
109-3428	23, 25, 26, 53, 55, 62, 64, 65, 67, 70, 71
	120
110-2220	95, 96
111-1815	23, 25, 26, 28, 30, 31, 34, 35, 53, 55, 56
	59, 60, 62, 64, 65, 67, 70, 71, 73, 75, 76
	109
112-5595	154, 69
112-7020	23, 25, 26, 31, 34, 35, 56, 59, 62, 64, 67
	20, 20, 20, 01, 03, 30, 37, 02, 04, 07

Part No	Page
112-7021	23, 25, 31, 34, 35, 56, 59, 62, 64, 67,
	70, 71, 73, 75, 76, 109
115-2793	130
115-2972	91, 93, 94, 130
115-2973	91
116-3739	83, 84
118-8384	24, 154
120-9453	86, 148
122-7375	83, 84, 87, 88, 96, 97, 99, 101, 104,
	119
124-3532	37, 130
126-2238	54, 68, 139
126-4935	97
126-6671	24, 139
128-0317	92, 98, 102, 149, 151
128-0382	91, 125
128-0383	91, 125
128-0395	91, 129
128-0396	91, 129
128-0400	91
128-0401	91
128-400	125
128-401	125
129-9452	102, 135
129-9907	150, 98, 102
130-0241	82, 83, 87, 95, 113
130-1501	23, 25, 26, 53, 55, 67, 70, 71, 120
130-6763	110
130-9710	132, 102
131-0510	132, 85
132-6663	83, 88, 95, 99, 113
132-6664	
132-6881	112, 82
	82, 83, 88, 109
132-9254	116, 23, 53, 67
132-9447	54, 57, 63, 68, 141
133-0125	146, 85
133-5673	86, 98, 103, 144
133-7537	112, 82
134-3761	82, 83, 87, 95, 114
135-0264	53, 55, 110
135-2837	82, 87, 112
135-4925	86, 149
135-4928	98, 102, 150
136-1560	112, 83
136-5201	112, 82
136-5202	113, 82
137-4493	117, 84
137-5541	85, 97, 141
138-2050	31, 37, 39, 56, 59, 60, 73, 75, 76, 118
138-2052	31, 37, 39, 56, 59, 60, 118
138-2053	12, 24, 28, 32, 38, 41, 47, 54, 57, 63,
	68, 74, 133
138-2056	31, 37, 39, 56, 59, 60, 120
138-2057	31, 37, 39, 56, 59, 60, 120

Part No	Page	Part No
138-2060	28, 30, 31, 34, 35, 37, 39, 56, 59, 60,	150-8682
	73, 75, 76, 121	151-7737
138-2073	28, 30, 31, 34, 35, 56, 60, 62, 65, 113	152-1390
138-3096	29, 33, 38, 153	152-3937
138-3100	32, 38, 54, 58, 63, 69, 74, 144	152-7582
138-4611	85, 97, 135	152-7585
138-6744	86, 98, 102, 148	152-8379
138-9256	119, 31, 37	152-8380
139-0538	132, 97	153-1256
139-7018	23, 28, 31, 37, 123	153-4101
139-8500	88, 112, 82	153-4220
139-8504	82, 88, 114	153-5536
139-8505	82, 88, 115	153-5537
140-8718	12, 29, 32, 38, 41, 47, 57, 63, 74, 144	153-5538
110 07 10	12, 27, 52, 55, 11, 17, 37, 55, 71, 111	153-5554
141-9768	154, 58	153-5555
142-2329	102	153-5556
142-2414	24, 138	
142-5867	84, 97, 101, 126	153-5557
	The state of the s	153-5558
142-5868	84, 97, 101, 126	153-5559
142-6217	95, 96	153-6865
142-7072	95, 96	153-7023
42-7332	37, 124	153-7024
142-7397	145, 29, 32, 38	153-9653
143-8498	141, 57	154-0178
143-9153	132, 85, 97	154-0867
144-5902	114	154-0869
145-4501	58, 63, 74, 153	154-0870
145-6700	82, 95, 112	154-0871
145-6853	28, 30, 31, 34, 35, 120	154-0873
145-6854	28, 30, 31, 34, 35, 120	154-0874
145-6855	28, 30, 31, 34, 35, 73, 75, 76, 118	154-0884
145-6856	28, 31, 37, 56, 73, 122	154-1201
145-6857	28, 30, 31, 34, 35, 118	154-1202
145-6858	28, 31, 37, 56, 73, 122	154-1203
45-6860	106, 82	154-1230
45-8324	143, 57	154-1231
45-8326	141, 63	154-1248
45-8503	145, 98	154-1249
45-8909	143, 57	154-1250
46-1780	53, 55, 113	154-1344
46-7808	16, 18, 20, 22, 129	154-1642
47-1979	11, 14, 28, 30, 31, 34, 35, 37, 39, 40,	154-1675
	43, 44, 46, 49, 56, 59, 60, 73, 75, 76,	154-1945
	119	154-2405
147-6240	143, 63	154-2427
147-6953	114, 82	154-4504
147-6954	114, 82	155-0056
		155-0809
147-6955	113, 82	
147-7327	115, 82	155-0810
148-3026	106, 23, 28, 31, 37, 53, 56, 62, 67, 73	155-2793
149-5566	82, 87, 112	155-8078
150-4142	153, 5, 9, 17, 21	155-8080
150-4793	105, 85	155-9524

Part No	Page
150-8682	116, 23
151-7737	92
152-1390	28, 30, 31, 34, 35, 56, 60, 62, 65, 109
152-3937	142, 29
152-7582	83, 84, 87, 88, 101, 120
152-7585	118, 83, 84
152-8379	120, 83, 84
152-8380	118, 83, 84
153-1256	149, 151, 102
153-4101	82, 88, 114
153-4220	117, 84
153-5536	8, 10, 130
153-5537	8
153-5538	130, 8
153-5554	4, 19, 122
153-5555	7, 118
153-5556	4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 119
153-5557	6, 10, 18, 22, 121, 4, 7, 15, 16, 19, 20
153-5558	7, 10, 15, 16, 18, 19, 20, 22, 121
153-5559	4, 19, 122
153-6865	156, 9
153-7023	83, 84, 87, 88, 97, 99, 101, 104, 118
153-7024	83, 84, 87, 88, 96, 97, 99, 101, 104, 118
153-9653	85, 97, 135
154-0178	16, 20, 126
154-0867	
	16, 20, 128
154-0869 154-0870	4, 6, 8, 10, 16, 18, 20, 22, 130
154-0871	4, 8, 16, 20, 130
154-0873	4, 8, 16, 20, 130 4, 7, 15, 19, 110
154-0874	4, 7, 15, 19, 110
154-0884	116, 19
154-1201	124, 16
154-1202	124, 8
154-1203	16, 20, 124
154-1230	16, 18, 20, 22, 127
154-1231	4, 6, 8, 10, 16, 18, 20, 22, 127
154-1248	17, 133
154-1249	5, 8, 17, 133
154-1250	140, 21
154-1344	139, 21
154-1642	109
154-1675	4, 8, 16, 20, 126
154-1945	138, 21
154-2405	17, 21, 156
154-2427	17, 21, 135
154-4504	131, 17, 20
155-0056	105, 95
155-0809	100
155-0810	100
155-2793	100
155-8078	5, 9, 136
155-8080	153, 17, 21
155-9524	97, 102, 140

Part No	Page	
156-1200	144, 21	
156-4173	54, 57, 63, 68, 74, 135	
156-6960	156, 5, 9	
156-6973	4, 8, 126	
156-6977	4, 6, 8, 10, 124	
156-6978	4, 6, 8, 10, 129	
156-6980	4, 8, 128	
156-6993	140, 5	
156-6996	131, 5, 8, 17, 20	
156-7343	117, 83, 84	
159-6102	24, 54, 69, 153	
160-0161	24, 29, 32, 135	
160-1799	84, 123	
160-3534	5, 8, 133	
160-5436	23, 53, 62, 67, 119	
160-5438	23, 53, 62, 67, 119	
160-8151	105, 97	
160-8227	149, 98	
160-8229	128, 91	
160-9874	82, 83, 87, 88, 95, 96, 99, 109	
161-2628 161-2629	4, 8, 124	
161-2630	4, 8, 124 4, 8, 129	
	4, 8, 16, 20, 129	
161-2631 161-4111		
	85, 146	
161-4113	85, 98, 102, 146	
161-5719	86, 98, 102, 149	
161-6780	154, 98	
161-7163	16, 20, 124	
161-7164	16, 20, 125	
161-8282	5, 9, 135	
161-9819 162-2088	116, 53, 67 57, 63, 135	
162-9754	146, 57	
163-2478	83, 84, 90, 91, 96, 97, 101, 122	
163-9254	116, 28, 31	
163-9256	28, 31, 37, 56, 73, 119	
164-4187	95, 114	
164-6098	116, 31, 37	
164-6099 164-8900	116, 56 22, 136, 21	
166-2870	154, 58	
166-2881	154, 58	
166-2884	154, 58	
166-2903	85, 96, 97, 143	
166-2904	85, 90, 91, 96, 97, 101, 143	
167-2153	126, 41	
167-9270	86, 154	
168-4539	106, 82	
168-5248	97, 102	
168-7246	82, 83, 95, 110 87, 88, 95, 99	
168-7426 171-1384	54, 57, 63, 68, 142	
172-4584	140, 54	
17 2" 7 3 0 7	דע, טדו	

Part No	Page
172-7207	57, 63, 149
173-9716	24, 25, 26, 136
175-1321	29, 30, 32, 34, 35, 136
175-3617	83, 84, 87, 88, 101, 120
175-3915	68, 146
176-0824	23, 26, 67, 109
176-3133	116, 37
176-3134	37, 118
176-3135	37, 120
176-3137	37, 118
176-3138	37, 120
176-3139	37, 39, 121
176-3141	79, 135
176-5749	83, 88, 95, 99, 114
177-2391	57, 63, 74, 126, 139
177-3310	24, 25, 26, 136
177-7496	83, 88, 95, 99, 114
177-8782	57, 63, 148
179-5922	86, 154
180-7350	95, 96, 100, 104, 110
180-7351	95, 99, 112
180-7352	83, 88, 95, 99, 112
183-1337	105, 19
183-4320	141, 5, 9, 17, 21
183-5296	96, 101, 117
183-5446	144, 9, 21
185-0104	37, 39, 109
185-0106	37, 109
185-0107	37, 109
185-0109	37, 39, 113
185-0110	37, 113
185-0111	37, 113
185-0882	11, 28, 31, 40, 46, 56, 73, 119
185-0883	37, 122
185-0885	38, 135
185-6623	135, 38
186-2001 186-6538	83, 84, 96, 97, 101, 121
	143, 57 38, 39, 136
187-1290	57, 59, 60, 63, 64, 65, 136
187-1963 187-3615	54, 55, 68, 70, 71, 136
187-4968	32, 34, 35, 38, 39, 136
187-8969	91, 93, 94, 105
187-9381	132, 85
188-0210	85, 138
189-4918	101, 123
189-5390	97
189-9771	83, 88, 95, 99, 115
190-3748	4, 6, 7, 10, 16, 121
190-6222	103, 154
190-8970	141, 85
193-0159	56, 62, 123
194-5390	51, 140
194-8124	102, 135
171 0121	102, 103

Part No	Page
196-2429	106, 100
196-4157	98, 154
196-5949	155, 98
196-5951	86, 98, 154
197-8418	97, 102, 140
197-8419	92, 97, 102, 140
197-9257	89, 90, 93, 114
197-9322	82, 83, 87, 88, 95, 96, 99, 109
197-93225	95, 96
197-9326	89, 90, 110
197-9327	89, 90, 93, 94, 110
197-9330	89, 90, 93, 94, 109
197-9336	106, 95
197-9417 198-1508	142, 38
198-4102	146, 85 142, 32
198-9250	116, 53, 62, 67
198-9875	57, 63, 149
1B3867	92
168878	103, 153
1R0716	86, 98, 103, 153
1R0734	21, 153
1R0749	86, 92, 98, 103, 153
1R0793	13, 144
1R1801	153, 42
1R1804	42, 48, 144, 153
1R1808	86, 92, 103, 153
1W5283	84, 120
1W5849	23, 53, 62, 67, 122
1W7238	145, 102
1W7239	145, 102
200-6373	57, 63, 139
200-6374	29, 32, 38, 139
201-0877	24, 29, 32, 38, 141
201-0878	153, 24, 29, 33, 38
202-1196	21, 143
202-3572	145, 98
202-4081	86, 154
206-4127	28, 30, 31, 34, 35, 37, 39, 56, 59, 60,
	73, 75, 76, 121
208-5029	141, 57
209-0036	58, 63, 153
209-0093	28, 32, 38, 57, 63, 133
209-5565	105, 53, 56, 62, 67
209-6725	105, 28, 31
209-9218	23, 28, 31, 37, 53, 56, 62, 68, 73, 126
211-0587	91, 93, 94, 125
211-0588	91, 93, 94, 125
211-3022	143, 97
211-3023	143, 97
211-3122	83, 84, 87, 88, 96, 97, 99, 101, 104, 12
211-6959	155, 103
211-6960	103, 154
213-3217	130, 97, 101

Part No	Page
213-9710	54, 138
215-2604	5, 9, 138
215-2605	17, 21, 138
215-2621	21, 140
215-3198	96, 97, 143
216-5582	85, 87, 88, 97, 99, 102, 104, 105
216-8235	105, 73
216-8314	124, 12, 41, 47, 50, 73
216-8323	73, 75, 76, 110
216-8332	73, 75, 76, 120
216-8333	73, 75, 76, 120
216-8335	116, 73
216-8625	74, 146
216-8685	74
216-8712	74, 135
216-9604	74, 139
216-9612	74, 75, 76, 136
216-9616	74, 75, 76, 136
216-9786	143, 74
217-0751	105, 97, 102
217-0752	105, 85, 102
217-1456	4, 6, 7, 10, 15, 18, 19, 22, 113
217-1456B	4, 7, 15, 19, 113
217-1481	116, 16, 20
217-1573	73, 75, 76, 113
217-2752	17, 21, 140
217-3673	92, 138
217-7139	131, 17, 20
218-8533	5, 9, 135
218-8537 219-2512	5, 9, 135
219-4669	126, 23, 28, 31, 37, 53, 56, 62, 68 138, 9
220-0491	143, 54, 68
220-1523	5, 9, 17, 21, 153
220-2748	
220-4985	24, 29, 33, 38, 57, 63, 74, 148
	33, 154
220-8182	74
221-2305	93, 112 97, 123
221-9360	
221-9392	92, 135
222-3897	128, 101
222-5836	54, 55, 57, 59, 60, 63, 64, 65, 68, 70, 71
	136
223-1608	92
223-1613	145, 92
223-1614	145, 92
223-7263	96, 97, 101, 117
223-7467	132, 91
223-7468	91, 132
223-7852	92
223-9143	150, 92
223-9144	150, 92
223-9147	149, 92
223-9150	128, 91
	•

Part No	Page
223-9159	100, 104, 114
223-9250	101, 117
224-1270	90, 91, 93, 94, 120
224-2410	90
224-3028	90, 93, 94, 118
224-3030	90, 93, 94, 118
224-3238	98, 149
224-3245	97, 101, 128
224-3246	101, 104, 129
224-3983	96, 97, 99, 101, 104, 120
224-4441	90, 91, 93, 94, 121
224-5389	135, 92
225-5436	11, 14, 40, 43, 44, 46, 49, 113
225-5437	11, 14, 40, 43, 44, 46, 49, 109
225-5437NR	14, 43, 44, 49
225-5438	12, 14, 28, 30, 32, 35, 37, 39, 41, 43, 44,
	47, 49, 50, 52, 57, 59, 60, 62, 64, 65, 73,
	75, 76, 130
225-5439	12, 23, 28, 32, 37, 41, 47, 50, 57, 62, 68,
200 0441	73, 130
225-5441 225-5451	12, 28, 32, 37, 41, 47, 50, 57, 62, 73, 128
225-5453	12, 28, 32, 37, 41, 47, 50, 57, 62, 73, 128 12, 28, 32, 37, 41, 47, 50, 57, 62, 73, 128
225-5454	12, 28, 32, 37, 41, 47, 50, 57, 62, 73, 128
225-5458	12, 37, 41, 47, 50, 57, 62, 73, 128
225-5459	12, 37, 41, 47, 50, 57, 62, 73, 128
225-5495	11, 14, 40, 43, 44, 46, 49, 118
225-5498	14, 43, 44, 49, 121, 11, 40, 46
225-5499	11, 14, 40, 43, 44, 46, 49, 118
225-5505	116, 40
225-6005	41, 47, 138
225-6451	41, 47, 139
225-6817	41, 48, 146
225-6818	138, 48
225-7944	136, 48, 51
225-8016	42, 149
225-8287	12, 47, 51, 126, 139
225-8329	41, 48, 146
225-8529	42, 154
225-8530	51, 140
225-8536	41, 47, 135
226-3572	74
226-4755	91
226-4775	126
226-4826	58, 63, 153
226-5561	96, 97, 99, 101, 104, 120
226-6478	106, 89
226-8766	41, 47, 51, 126, 139
226-8767	124, 47
226-8771	154, 42
227-0186	24, 25, 26, 136
227-1204	85, 97, 102, 126, 139
227-4239	84, 85
227-5982	155, 103

Part No	Page
229-5711	92, 139
229-6259	97, 101, 104, 130
230-2569	96, 100, 110
230-3728	143, 92
230-3775	143, 92
231-0141	13, 146
231-2070	7, 118
231-2072	116, 7
231-2073	9, 135
231-3020	139, 9
231-3870	128, 8
231-4457	142, 54, 68, 74
231-7854	149, 9
231-7859	148, 9
231-8819	126, 8
232-2724	142, 12, 41
232-3102	57, 59, 60, 63, 64, 65, 136
232-3235	97, 101, 129
232-3236	97, 101, 129
232-6557	110, 96
232-6662	12, 41, 47, 142
232-7400	41, 47, 50, 123
232-7440	11, 14, 40, 43, 44, 46, 49, 50, 52, 105
232-7449	12, 41, 47, 50, 126
232-7519	40, 116
233-0695	17, 21, 139 146
233-1608 233-4742	105, 23
233-5220	92, 146
233-7222	146, 41
233-7221	11, 14, 40, 46, 49, 113
233-7232	11, 14, 40, 46, 49, 109
233-7232NR	14, 49
233-8648	74
233-9408	136, 48, 51
233-9534	42, 154
234-0204	41, 48, 51, 145
234-0205 234-0387	41, 48, 51, 145 142, 12, 41
234-0615	41, 48, 51, 145
234-0636	29, 33, 38, 57, 63, 74, 148
234-2418	154, 42
234-2988	42, 154
234-2700	29, 30, 32, 38, 136
234-4295	105, 37
234-6110	74, 149
235-5531	5, 9, 139
235-6962	123, 8
235-6974	116, 4, 7, 16
235-7012	5, 140
236-1673	142, 12, 41, 47
236-1811	74

Part No	Page
236-4927	154, 42
236-5049	105, 15, 19
236-5127	116, 16, 19
236-5605	96, 101, 104, 118
236-8745	146, 92
236-8746	42, 154
237-0194	95, 96, 114
237-3924	48, 155
237-5932	51, 138
238-0294	95, 96, 115
238-1204	131, 8
238-2704	89, 93, 115
238-2707	100, 104, 114
238-2713	110, 89
238-2717	89, 90, 93, 114
238-4737	95, 96, 114
238-8567	154, 42
238-9196	21, 140
238-9349	17, 21, 154
239-2106	38, 54, 69, 149
239-6139	132, 102
239-6142	29, 33, 38, 57, 63, 149
240-0039	131, 5, 8
240-0648	105, 19
240-1856	132, 91
240-8467	123, 73
240-9954	23, 68, 128
240-9955	23, 68, 130
242-9537	85, 97, 102, 139
243-4304	13, 41, 146
243-6411	153, 5, 9, 17, 21
243-6717	91
243-6718	84, 97, 101
243-6741	117, 84, 101
244-1645	149, 151, 102
245-1361	5, 17, 21, 32, 38, 146
245-1365	38, 146
245-1369	13, 29, 32, 146
245-4324	83, 84, 97, 101, 116
246-3129	150, 98, 102
246-3130	150, 98, 102
246-3144	91, 93, 94, 127
246-5659	100, 104, 115
246-7892	105, 7
247-0144	42, 148
247-2717	50, 127
247-2723	12, 23, 28, 31, 37, 41, 47, 50, 53, 56,
	62, 68, 73, 127
247-2965	92, 155
247-4868	116, 40, 46
247-6130	95, 96, 114
247-6318	146, 24
247-6398	16, 19, 20, 120 140
247-6851	140

247-7133	Part No	Page
248-1394 248-1467 118, 90, 91 248-5513 86, 102, 148 248-5514 1110, 96 248-5516 110, 96 249-0832 57, 63, 74, 146 249-0974 145, 48, 51 249-0975 145, 48, 51 249-0975 145, 48, 51 249-5541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-827 5, 6, 9, 136 252-8338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 252-7802 90, 91, 118 252-38755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2268 148, 13, 42 254-2268 148, 42, 48 254-4269 148, 42, 48 254-4504 9, 135 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-2085 120 261-3430 105, 85, 102 261-3450 90, 91, 193 261-3450 90, 91, 93, 94, 115 265-1113 89, 90, 93, 94, 115 265-1113 10, 90 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19	247-7133	86, 92, 98, 102, 148
248-1394 248-1467 118, 90, 91 248-5513 86, 102, 148 248-5514 1110, 96 248-5516 110, 96 249-0832 57, 63, 74, 146 249-0974 145, 48, 51 249-0975 145, 48, 51 249-0975 145, 48, 51 249-5541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-827 5, 6, 9, 136 252-8338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 252-7802 90, 91, 118 252-38755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2268 148, 13, 42 254-2268 148, 42, 48 254-4269 148, 42, 48 254-4504 9, 135 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-2085 120 261-3430 105, 85, 102 261-3450 90, 91, 193 261-3450 90, 91, 93, 94, 115 265-1113 89, 90, 93, 94, 115 265-1113 10, 90 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19	247-9908	83, 84, 87, 88, 96, 97, 99, 101, 104, 121
248-5513 248-5514 110, 96 248-5516 1110, 96 249-0832 257, 63, 74, 146 249-0975 145, 48, 51 249-0975 145, 48, 51 249-9541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-5009 132, 97 252-6338 48, 144 252-6338 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2269 148, 42, 48 254-2369 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-704 132, 99 191, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 99, 91, 93, 94, 115 265-1113 89, 90, 93, 94, 115 265-1133 110, 90 270-69688 15, 18, 19, 109 270-69688 15, 18, 19, 109 270-69688 109, 15, 18, 19, 109 270-69688 109, 15, 18, 19, 109 270-6968B	248-1394	
248-5513 248-5514 110, 96 248-5516 1110, 96 249-0832 257, 63, 74, 146 249-0975 145, 48, 51 249-0975 145, 48, 51 249-9541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-5009 132, 97 252-6338 48, 144 252-6338 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2269 148, 42, 48 254-2369 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-704 132, 99 191, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 99, 91, 93, 94, 115 265-1113 89, 90, 93, 94, 115 265-1133 110, 90 270-69688 15, 18, 19, 109 270-69688 15, 18, 19, 109 270-69688 109, 15, 18, 19, 109 270-69688 109, 15, 18, 19, 109 270-6968B	248-1467	118, 90, 91
248-5514 110, 96 248-5516 110, 96 249-0832 57, 63, 74, 146 249-0974 145, 48, 51 249-0975 145, 48, 51 249-0975 145, 48, 51 249-5541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 10, 136 252-1827 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-8009 132, 97 252-6338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755 11, 14, 40, 109 253-8755 11, 14, 40, 109 253-8755 11, 14, 40, 109 254-2269 148, 42, 48 254-2269 148, 42, 48 254-2269 148, 42, 48 254-3954 11, 40, 46, 122 254-4004 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-704 139, 79 260-4855 90, 91, 93, 94 260-4855 90, 91, 93, 94 260-4855 90, 91, 93, 94 261-3430 105, 85, 102 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3429 90, 91, 94, 97, 101 263-5055 117, 101 265-1113 89, 90, 91, 93, 94, 115 265-1113 89, 90, 91, 93, 94, 115 265-1113 89, 90, 91, 93, 94, 115 265-1113 89, 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968B 109, 15, 19 270-6968B 109, 15, 19	248-5513	
248-5516 110, 96 249-0832 57, 63, 74, 146 249-0832 57, 63, 74, 146 249-0974 145, 48, 51 249-0975 145, 48, 51 249-5541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 21 252-1466 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-1827 5, 6, 9, 136 252-8287 9, 13, 26 252-809 132, 97 252-6338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755 11, 14, 40, 109 253-8755 11, 14, 40, 109 254-2267 148, 42, 48 254-2267 148, 42, 48 254-2269 148, 42, 48 254-24269 148, 42, 48 254-4209 148, 42, 48 254-4304 9, 135 254-6030 139, 5, 9 254-6030 139, 5, 9 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-704 139, 79 260-4855 90, 91, 93, 94 260-4855 90, 91, 93, 94 260-4855 90, 91, 93, 94 260-4855 90, 91, 93, 94 261-3430 105, 85, 102 261-3450 97, 101, 129 263-9055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 109, 15, 19		· · ·
249-0832	248-5516	
249-0974	249-0832	57, 63, 74, 146
249-5541 17, 21, 148 250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-5099 132, 97 252-6338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2267 148, 42, 48 254-2269 1448, 42, 48 254-2269 1448, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-704 139, 79 258-4946 41, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3430 9, 91, 93, 94, 115 265-1113 89, 90, 93, 94, 115 265-1113 10, 90 267-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968B 109, 15, 19	249-0974	145, 48, 51
250-2940 95, 96, 100, 110 251-7660 5, 9, 17, 21, 148 252-1446 21 252-1446 5, 9, 17, 142 252-1789 5, 6, 9, 10, 136 252-1827 5, 6, 9, 136 252-5009 132, 97 252-6338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2267 148, 42, 48 254-2269 148, 42, 48 254-2269 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-7704 139, 79 258-4946 11, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-9505 117, 101 265-1313 110, 90 267-6668 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 15, 18, 19, 109 270-6968 109, 15, 19	249-0975	145, 48, 51
251-7660	249-5541	17, 21, 148
252-1446 252-1466 252-1789 252-1789 25.6, 9, 10, 136 252-1827 252-5009 132, 97 252-6338 48, 144 252-6438 11, 40, 46, 122 252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2269 148, 42, 48 254-2269 148, 42, 48 254-2269 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-2085 120 256-2085 120 256-3204 132, 91 260-4855 90, 91, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968B 109, 15, 19	250-2940	95, 96, 100, 110
252-1466	251-7660	5, 9, 17, 21, 148
252-1789       5, 6, 9, 10, 136         252-1827       5, 6, 9, 136         252-5009       132, 97         252-6338       48, 144         252-6438       11, 40, 46, 122         252-7802       90, 91, 118         253-1752       84, 87, 88, 97, 99, 101, 104, 127         253-8755       11, 14, 40, 109         253-8755NR       14         254-2267       148, 42, 48         254-2268       148, 13, 42         254-2269       148, 42, 48         254-3954       11, 40, 46, 122         254-4504       9, 135         254-9007       105, 19         255-2453       74, 141         256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       120         256-7704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-9055       117, 101         263-905       17, 101         263-905       90, 91, 96, 97, 101         263-905       17	252-1446	21
252-1827	252-1466	5, 9, 17, 142
252-5009	252-1789	5, 6, 9, 10, 136
252-6338	252-1827	5, 6, 9, 136
252-6438	252-5009	132, 97
252-7802 90, 91, 118 253-1752 84, 87, 88, 97, 99, 101, 104, 127 253-8755 11, 14, 40, 109 253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2269 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-7704 139, 79 258-4946 41, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 109 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19 270-6968 109, 15, 19	252-6338	48, 144
253-1752	252-6438	11, 40, 46, 122
253-8755 NR       11, 14, 40, 109         253-8755NR       14         254-2267       148, 42, 48         254-2268       148, 13, 42         254-2269       148, 42, 48         254-3954       11, 40, 46, 122         254-4504       9, 135         254-6030       139, 5, 9         254-9007       105, 19         255-2453       74, 141         256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       120         256-7704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         265-1113       89, 90, 93, 94, 115         265-1313       110, 90         267-4631       105, 100         268-2953       90, 91, 93, 94, 119         270-6968       15, 18, 19, 109         270-6968       109, 15, 19         270-6968NR       18	252-7802	90, 91, 118
253-8755NR 14 254-2267 148, 42, 48 254-2268 148, 13, 42 254-2269 148, 42, 48 254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 120 256-7004 139, 79 258-4946 41, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968 109, 15, 19	253-1752	84, 87, 88, 97, 99, 101, 104, 127
254-2267       148, 42, 48         254-2269       148, 13, 42         254-3954       11, 40, 46, 122         254-4504       9, 135         254-6030       139, 5, 9         254-9007       105, 19         255-2453       74, 141         256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       120         256-704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1313       110, 90         267-4631       105, 100         268-2953       90, 91, 93, 94, 119         270-6968       15, 18, 19, 109         270-6968       109, 15, 19         270-6968       109, 15, 19         270-6968       109, 15, 19	253-8755	11, 14, 40, 109
254-2268	253-8755NR	14
254-2269	254-2267	148, 42, 48
254-3954 11, 40, 46, 122 254-4504 9, 135 254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 4, 6, 7, 10, 15, 16, 18, 19, 20, 22 256-2085 120 256-7704 139, 79 258-4946 41, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 263-5055 117, 101 263-5055 117, 101 263-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968 109, 15, 19	254-2268	148, 13, 42
254-4504       9, 135         254-6030       139, 5, 9         254-9007       105, 19         255-2453       74, 141         256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       4, 6, 7, 10, 15, 16, 18, 19, 20, 22         256-2085       120         256-7704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1313       110, 90         267-4631       105, 100         267-4631       105, 100         267-6968       15, 18, 19, 109         270-6968       109, 15, 19         270-6968       109, 15, 19         270-6968       109, 15, 19         270-6968       109, 15, 19	254-2269	148, 42, 48
254-6030 139, 5, 9 254-9007 105, 19 255-2453 74, 141 256-2084 4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120 256-2085 4, 6, 7, 10, 15, 16, 18, 19, 20, 22 256-2085 120 256-7704 139, 79 258-4946 41, 47, 135 260-3204 132, 91 260-4855 90, 91, 93, 94 260-4855 120 261-3429 105, 85, 102 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 263-5055 117, 101 265-1313 105, 100 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19	254-3954	11, 40, 46, 122
254-9007     105, 19       255-2453     74, 141       256-2084     4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120       256-2085     4, 6, 7, 10, 15, 16, 18, 19, 20, 22       256-2085     120       256-7704     139, 79       258-4946     41, 47, 135       260-3204     132, 91       260-4855     90, 91, 93, 94       260-4885     120       261-3429     105, 85, 102       261-3430     105, 85, 102       261-3450     97, 101, 129       263-4920     90, 91, 96, 97, 101       263-5055     117, 101       265-1313     110, 90       267-4631     105, 100       268-2953     90, 91, 93, 94, 119       270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	254-4504	9, 135
255-2453       74, 141         256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       120         256-7004       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1313       110, 90         267-4631       105, 100         267-4631       105, 100         267-6968       15, 18, 19, 109         270-6968       109, 15, 19         270-6968RR       18	254-6030	139, 5, 9
256-2084       4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120         256-2085       4, 6, 7, 10, 15, 16, 18, 19, 20, 22         256-2085       120         256-7704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1113       89, 90, 93, 94, 115         265-1313       110, 90         267-4631       105, 100         268-2953       90, 91, 93, 94, 119         270-6968       15, 18, 19, 109         270-6968       109, 15, 19         270-6968NR       18	254-9007	105, 19
256-2085       4, 6, 7, 10, 15, 16, 18, 19, 20, 22         256-2085       120         256-7704       139, 79         258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1113       89, 90, 93, 94, 115         265-1313       110, 90         267-4631       105, 100         268-2953       90, 91, 93, 94, 119         270-6968       15, 18, 19, 109         270-6968B       109, 15, 19         270-6968NR       18	255-2453	74, 141
256-2085     120       256-7704     139, 79       258-4946     41, 47, 135       260-3204     132, 91       260-4855     90, 91, 93, 94       260-4885     120       261-3429     105, 85, 102       261-3430     105, 85, 102       261-3450     97, 101, 129       263-4920     90, 91, 96, 97, 101       263-5055     117, 101       265-1113     89, 90, 93, 94, 115       265-1313     110, 90       267-4631     105, 100       268-2953     90, 91, 93, 94, 119       270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	256-2084	4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 120
256-2085     120       256-7704     139, 79       258-4946     41, 47, 135       260-3204     132, 91       260-4855     90, 91, 93, 94       260-4885     120       261-3429     105, 85, 102       261-3430     105, 85, 102       261-3450     97, 101, 129       263-4920     90, 91, 96, 97, 101       263-5055     117, 101       265-1113     89, 90, 93, 94, 115       265-1313     110, 90       267-4631     105, 100       268-2953     90, 91, 93, 94, 119       270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	256-2085	4, 6, 7, 10, 15, 16, 18, 19, 20, 22
258-4946       41, 47, 135         260-3204       132, 91         260-4855       90, 91, 93, 94         260-4885       120         261-3429       105, 85, 102         261-3430       105, 85, 102         261-3450       97, 101, 129         263-4920       90, 91, 96, 97, 101         263-5055       117, 101         265-1113       89, 90, 93, 94, 115         265-1313       110, 90         267-4631       105, 100         268-2953       90, 91, 93, 94, 119         270-6968       15, 18, 19, 109         270-6968B       109, 15, 19         270-6968NR       18	256-2085	
260-3204 132, 91 260-4855 90, 91, 93, 94 260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19	256-7704	139, 79
260-4855     90, 91, 93, 94       260-4885     120       261-3429     105, 85, 102       261-3430     105, 85, 102       261-3450     97, 101, 129       263-4920     90, 91, 96, 97, 101       263-5055     117, 101       265-1113     89, 90, 93, 94, 115       265-1313     110, 90       267-4631     105, 100       268-2953     90, 91, 93, 94, 119       270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	258-4946	41, 47, 135
260-4885 120 261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968RR 18	260-3204	132, 91
261-3429 105, 85, 102 261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968R 18	260-4855	90, 91, 93, 94
261-3430 105, 85, 102 261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90 267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968R 18	260-4885	120
261-3450 97, 101, 129 263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90  267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968RR 18	261-3429	105, 85, 102
263-4920 90, 91, 96, 97, 101 263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90  267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968NR 18	261-3430	105, 85, 102
263-5055 117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90  267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968NR 18	261-3450	97, 101, 129
263-5055 1117, 101 265-1113 89, 90, 93, 94, 115 265-1313 110, 90  267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968 109, 15, 19 270-6968NR 18	263-4920	90, 91, 96, 97, 101
265-1113 89, 90, 93, 94, 115 265-1313 110, 90  267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968NR 18	263-5055	
267-4631 105, 100 268-2953 90, 91, 93, 94, 119 270-6968 15, 18, 19, 109 270-6968B 109, 15, 19 270-6968NR 18	265-1113	89, 90, 93, 94, 115
268-2953     90, 91, 93, 94, 119       270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	265-1313	110, 90
270-6968     15, 18, 19, 109       270-6968B     109, 15, 19       270-6968NR     18	267-4631	105, 100
270-6968B 109, 15, 19 270-6968NR 18	268-2953	90, 91, 93, 94, 119
270-6968NR 18	270-6968	
	270-6968B	109, 15, 19
270-6970 15, 18, 19, 113	270-6968NR	18
	270-6970	15, 18, 19, 113

Part No	Page
270-6970B	19, 113, 15
270-8741	123, 16
271-1712	17
272-0389	92, 140
272-0494	41, 44, 47, 49, 136
272-2232	41, 43, 47, 49, 136
272-2265	138, 41, 48
273-9246	12, 135
273-9297	12, 123
273-9375	12, 135
274-1639	51, 79, 143
274-4695	12, 138
274-4701	105, 11
274-6851	97
274-7104	92, 154
274-8359	106, 100
275-0883	141, 12
275-0885	12, 14, 136
275-1199	12, 139
275-9884	138, 79
276-1804	144, 5, 9, 21
276-1806	144, 153, 5, 13, 17, 21, 42
276-5605	106, 11, 40, 46, 50
276-5606	106, 78
276-7222	106, 89
276-7387	78, 123
276-7391	124, 78
276-7475	78, 80, 110
276-7475NR	80
276-7476	46, 50, 52, 78, 80, 113
276-7478	78, 80, 130
276-8115	117, 78
276-8123	50, 52, 78, 80, 119
276-8133	52, 80, 121, 50, 78
277-0588	156, 79
277-3013	78, 126
277-3076	82, 106
277-5063	139, 79
277-5156	41, 43, 44, 47, 49, 136
277-5774	146, 92
277-6275	11, 46, 109
277-9775	119, 90
278-5125	79, 133
278-5126	47, 51, 79, 133
279-6060	92, 154
279-9361	135, 79
280-3979	101, 104, 120
281-1640	117, 96, 101
281-3216	74
281-7039	146, 79
281-8261	97, 102, 135
282-2224	78, 80, 110
	10,00,110
282-2224NR	80

Part No	Page
284-6039	82, 88, 113
284-8983	110, 96
284-8988	114, 96
284-8991	114, 96
284-8993	115, 96
287-7637	144, 51, 79
288-0422	12, 23, 28, 31, 37, 41, 47, 50, 53, 56,
	62, 68, 73, 126
288-1394	11, 40, 46, 109
288-1395	11, 40, 46, 109
288-9942	11, 40, 46, 109
288-9943	11, 40, 46, 109
289-3210	117, 91
289-4135	140, 92
290-2494	41, 43, 136
290-8456	7, 109
290-8456B	109, 7
290-8458	7, 113
290-8458B	113,7
291-5304	24, 54, 69, 149
291-5480	92, 155
291-6905	150, 92
291-8790	141, 12
291-8885	12, 14, 136
292-0339	141, 12
292-0346	142, 12, 41
292-0348	154, 13
292-0483 292-0484	128, 91
292-0886	91, 93, 94, 129 126, 78
292-106	141
292-1061	12
292-9000 292-9012	13, 154
292-9013	141, 12 11, 46, 109
292-9014	11, 46, 109
293-1914	105, 11
293-3764	107
293-5884	4, 6, 7, 10, 109
293-5884B	4, 7, 109
293-5884NR	6, 10
294-4916	4, 6, 7, 10, 15, 18, 19, 22, 105
295-4070	5, 17, 21, 141
295-9259	141, 97
297-3050	21, 145
297-3080	15, 18, 19, 22, 109
297-3080B	109, 15, 19
297-3080NR	18, 22
298-4526	116, 50
298-4546	51, 140
298-4552	51, 140
298-4558	146, 51
298-4560	51, 138

Part No	Page
299-5511	50, 78, 122
299-8229	51, 79, 153
299-9265	47, 141
2A4429	84, 87, 88, 90, 91, 93, 94, 96, 97, 99,
	101, 104, 119
2P2817	82, 83, 87, 95, 114
2S2760	98, 102
2W1529	24, 132
300-1025	53, 56, 62, 68, 123
300-3086	89, 93, 114
300-9512	117, 91
302-2297	117, 90
302-4181	4, 7, 15, 19, 105
302-4182	4, 7, 15, 19, 105
303-0307	151, 17, 21
303-1383	105, 89
303-8483	116, 11
303-8494	116, 11
304-3560	7, 105
304-4764	8, 124
304-4764A	8, 124
304-4766	8, 129
304-4767	8, 129
304-5061	21, 140
306-2330	131, 51
306-4014	95, 115
306-6845	105, 78
306-7460	95, 110
307-9855	16, 20, 129
307-9856	
	16, 20, 129
308-1681	6, 10
308-1852	16, 20, 123
308-1853	4, 8, 16, 20, 124
308-1854	16, 18, 20, 22, 125
308-1855	16, 20, 129
308-1859	116, 15, 19
308-1860	4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 11
308-1861	4, 7, 15, 16, 18, 19, 20, 22, 118
308-1902	131, 17, 20
308-2362	16, 20, 125
308-6358	117, 90
309-6663	117, 78
309-6678	50, 52, 78, 80, 118
309-6733	131, 17, 20
310-8520	51, 135
310-9269	50, 52, 110
310-9269NR	52
310-9905	52, 110, 50
310-9905NR	52, 110, 50
311-0053 311-1104	5, 9, 21, 149
	146, 9 123, 4, 8
	143. 4. 0
311-1157 311-1158	116, 4, 7

Part No	Page
311-1173	5, 135
311-1685	17, 21, 135
313-2027	123, 8
313-3997	91, 123
315-3381	142, 47
315-3384	47, 51, 133
315-3389	116, 46
315-3390	46, 118
315-3392	121, 46
315-3393	119, 46
315-3394	46, 118
315-3395	46, 110
315-9721	155, 48
315-9810	79
316-0413	79
316-0477	51, 155
316-0510	155, 51
316-0525	155, 51
316-0555	155, 51
316-7896	116, 46
316-7987	142, 47
316-7989	155, 48
317-8766	84, 87, 88, 97, 99, 101, 104, 125
319-0270	133, 91
319-0271	133, 91
319-6715	100
319-7269	116, 19
320-0670	143, 51
320-0677	143, 51
320-0680	143, 51
320-0688	143, 51
320-2352	28, 30, 32, 34, 37, 39, 73, 75, 130
321-0990	143, 79
321-1070	143, 51, 79
321-1080	143, 79
321-4061	116, 16, 20
322-0329	89, 93, 110
322-1126	100, 104, 109
322-11265	100
322-3146	110, 89
322-7485	4, 6, 7, 10, 15, 16, 18, 19, 20, 22, 122
322-7486	17, 21, 135
322-7487	135, 17, 21
322-7488	135, 17, 21
322-9663	11, 14, 40, 43, 44, 46, 49, 120
322-9664	46, 120
323-9312	130, 41, 47, 50, 78
325-1113	132, 102
326-1641	92, 153
326-1643	92, 144
326-1644	79, 144
326-9153	48, 155
328-5573	85, 87, 88, 97, 99, 129
329-4509	110, 100

329-4510 100, 104, 110	
220 4511	
329-4511 100, 104, 110	
329-6655 11, 14, 40, 43, 44, 46, 49, 120	)
330-0386 155, 48	
330-9598 79	
331-0290 128, 78	
331-0291 128, 78	
331-0292 128, 78	
331-1981 117, 90	
331-6025 114, 89, 90, 93, 94	
332-2152 90, 91, 93, 94, 121	
332-7298 132, 97, 102	
332-7300 132, 102	
332-7301 132, 85	
332-7308 132, 85	
333-8440 110, 89	
334-1996 11, 40, 46, 113	
334-1997 11, 40, 46, 113	
334-2318 11, 40, 46, 113	
334-2319 11, 40, 46, 113	
334-2455 11, 40, 110	
334-2456 11, 40, 110	
336-2212 149, 151, 102	
336-2213 98, 102, 149	
339-3014 9, 146	
339-3017 5, 17, 21, 146	
339-9637 50, 52, 78, 80, 118	
340-3639 115, 100	
340-9400 114, 100	
341-3023 105, 4, 7	
342-0523 131, 8	
342-8500 131, 5, 8	
343-2871 131, 17, 20	
343-7104 153, 51	
344-1624 15, 19, 118	
344-9038 132, 91	
345-3752 117, 90	
346-1999 117, 90	
346-3130 150, 102	
346-6615 95, 110	
346-8818 131, 12	
346-8838 12, 131 346-8976 131, 12	
,	
347-1132 132, 79	
348-9715 132, 91	
348-9820 132, 91	
349-1834 135, 79	
350-1846 131, 41	
350-2374 41, 47, 131	
350-2433 131, 47	
350-5172 153, 13, 42	
352-0206 149, 92	
353-2205 23, 25, 26, 28, 30, 32, 34, 35,	37, 39, 41,

Part No	Dana
ran no	Page
	43, 44, 47, 49, 50, 52, 129
353-2206	23, 28, 32, 37, 41, 47, 50, 129
353-2207	23, 28, 32, 37, 41, 47, 50, 129
353-2208	23, 28, 32, 37, 41, 47, 50, 129
353-2748	12, 14, 129
353-2749	12, 129
353-2750	12, 129
353-2751	12, 129
353-2752	53, 55, 57, 59, 60, 62, 64, 65, 68, 70,
	71, 73, 75, 76, 129
353-2753	53, 57, 62, 68, 73, 129
353-2754	53, 57, 62, 68, 73, 129
353-2755	129, 53, 57, 62, 68, 73
353-7415	53, 55, 56, 59, 60, 62, 64, 65, 68, 70,
	71, 73, 75, 76, 125
353-7416	53, 56, 62, 68, 73, 125
353-7417	53, 56, 62, 68, 73, 125
353-7418	53, 56, 62, 68, 73, 125
353-7423	41, 43, 44, 47, 49, 50, 52, 125
353-7424	41, 47, 50, 125
353-7425	41, 47, 50, 125 41, 47, 50, 125
353-7426 353-7427	23, 25, 26, 28, 30, 31, 34, 35, 37, 39,
333-7427	41, 43, 44, 125
353-7428	23, 28, 31, 37, 41, 125
353-7429	23, 28, 31, 37, 41, 125
353-7430	23, 28, 31, 37, 41, 125
353-7439	12, 14, 124
353-7440	12, 124
353-7441	12, 124
353-7442	12, 124
353-7715	138, 51
354-4754	48, 51, 79, 149
355-2252	13, 48, 149
356-3225	124, 8
356-3503	131, 28, 32
357-6810	131, 38
357-8359	149, 102
359-0715	123, 47
359-0716	123, 41, 50
359-0719	128, 41, 47, 50
359-0720	128, 41, 47, 50
359-0721	128, 41, 47, 50
359-0722	128, 41, 47, 50
359-0723	128, 41, 47, 50
359-0724	128, 41, 47, 50
359-0908	85, 97, 102, 135
359-1625	146, 92
360-1564	78, 80, 129
360-1978	78, 80, 125
360-1978A	78, 125
360-1978B	78, 125
360-1978C	78, 125

Part No	Page
360-3197	131, 57, 63, 74
360-5470	24, 131
362-2190	105, 40, 46
363-3907	105, 50
363-5760	105, 46
364-1119	131, 54, 68
364-5145	78, 80, 127
364-5471	146, 24, 29, 32, 38
366-5613	105, 50
367-7900	148, 92
368-5933	153, 79
368-5934	153, 79
368-7816	110, 100
370-6545	78, 80, 105
371-0182	17, 149
371-0183	149, 17, 21
372-4970	110, 100
373-8014	79, 146
375-2510	132, 91
377-0399	52, 80, 120, 50, 78
377-0400	52, 80, 120, 50, 78
380-2062	78, 110
380-2063	110, 78
380-2065	46, 50, 78, 113
380-2073	119, 50, 78
380-2600	131, 47
384-3698	110, 89
388-2310	89, 93, 110
388-7287	141, 92
388-9353	110, 89
388-9354	95, 110
388-9355	110, 89
388-9356	90, 94
388-9656	110
390-6715	110
394-1399	131, 51
396-4482	110, 50
396-4516	110, 50
396-4592	46, 110
359643	86, 149
415-7459	89, 90, 93, 94, 114
417-7782	148, 51
420-2372	79
420-6400	
420-6400	135, 17 135, 79
423-5607	
	138, 17, 21
423-5611	17
423-7672	116, 15
424-9839	154, 5
425-7103	132, 79
434-9019	114, 89, 93
434-9020	114, 89
436-0519	11, 14, 40, 43, 44, 46, 49, 121

Part No	Page
436-0522	121, 46
436-0524	52, 121, 50
437-1409	89, 90, 93, 94, 109
438-9109	133, 17
439-0945	149, 17, 21
439-3371	109, 15
439-3371B	109, 15
439-3372	113, 15
439-3372B	113, 15
439-3373	16, 20, 129
439-4992	149, 5, 17
440-5104	4, 7, 15, 16, 19, 20, 122
447-3735	140, 9
447-5255	140, 9
447-8572	146, 48, 51
454-0479	118, 16
454-0480	118, 16
456-4181	141, 12
458-7918	78, 129
458-7939	78, 129
458-7940	78, 129
462-1171	153, 79
467-6837	12, 141
467-7011	141, 41
480-5418	•
	116, 16
4N1151	85, 97, 102, 138
4N5339	98
4N8735	146, 85, 98
4P4661	119, 83, 84
4P8495	85, 130
4W5360	37, 53, 56, 62, 68, 126
4W5492/010	84, 97, 125
4W5492/040	97, 125
4W5698	84, 97, 101, 125
4W5699	84, 97, 101, 125
4W8063	24, 54, 69, 148
5P5678	85, 92, 139
6B6684	28, 32, 130
6D7146	92
610164	23, 25, 26, 28, 30, 31, 34, 35, 53, 55, 56
	59, 60, 62, 64, 65, 67, 70, 71, 73, 75, 76
	109
610223	23, 28, 31, 53, 56, 62, 68, 124
610253	38, 146
610281	23, 25, 26, 53, 55, 62, 64, 65, 67, 70, 71
	121
610283	23, 25, 26, 53, 55, 62, 64, 65, 67, 70, 71
	121
610284	23, 25, 26, 53, 55, 62, 64, 65, 67, 70, 71
	121
610689	138, 24
610838	68, 126, 139
610912	32, 146

55, 62, 64, 65, 67, 118
55, 62, 64, 65, 67, 120
20. 07. 00. 100
88, 97, 99, 130
10/ 100
126, 139
68, 74, 138 69
139
137
146
135
74, 135
112
32, 38, 145
32, 38, 146
32, 38, 145
32, 38, 145
32, 38, 145
32, 38, 146
32
129
129
95, 110
130
121
87, 95, 115
51, 153
29, 33, 38, 54, 58, 63, 69, 74, 153
73, 130
26, 68, 70, 71, 130
26, 53, 55, 62, 64, 65, 67, 70, 71,
42, 156
100
100
153
143
91, 101, 143

Part No	Page
9Y6054	85, 97, 128
9Y7212	83, 110
9Y7735/010	85, 97, 129
9Y8075	145, 92
9Y8076	145, 92
KM0104A	37, 107
KM0264A	53, 55, 107
KM0264B	53, 55, 107
KM0329A	89, 93, 108
KM0329B	89, 93, 108
KM0824A	23, 26, 67, 107
KM0824B	23, 26, 67, 107
KM103MMRS-SF	37, 109
KM105MMRS	11, 40, 46, 50, 78, 109
KM105MMRS-SF	11, 40, 46, 50, 78, 109
KM1313	108, 90
KM1390A	28, 31, 34, 35, 56, 60, 62, 65, 107
KM1390B	28, 31, 34, 35, 56, 60, 62, 65, 107
KM1560	108, 83
	<u>'</u>
KM2062 KM2063	78, 108
	108, 78
KM2224	78, 108
KM2305	83, 108
KM2305A	83, 108
KM2310A	93, 108, 89
KM2310B	93, 108, 89
KM2553A	31, 67, 70, 71, 107
KM2553B	31, 67, 70, 71, 107
KM2713	108, 89
KM2716	87, 107, 82
KM2837	82, 87, 107
KM2888	82, 87, 107
KM3080	15, 19, 107
KM3146	108, 89
KM3371	107, 15
KM3395	107, 46
KM3698	108, 89
KM4509	108, 100
KM4510	100, 104, 108
KM4511	100, 104, 108
KM4970	108, 100
KM5201	107, 82
KM5437	11, 40, 46, 107
KM5514	108, 96
KM5514	96, 108
KM5516B	108, 96
KM5566	82, 87, 107
KM5884	4, 7, 107
KM6275	11, 46, 107
KM6557	108, 96
KM6615	95, 108
KM6664	107, 82
KM6700	82, 95, 108
KM6715	100, 108

Part No	Page
KM6968	15, 19, 107
KM7021A	23, 25, 31, 34, 35, 56, 59, 62, 64, 67
	70, 71, 73, 75, 107
KM7021B	23, 25, 31, 34, 35, 56, 59, 62, 64, 67
	70, 71, 73, 75, 76, 107
KM7212	83, 108
KM7232	11, 40, 46, 107
KM7351	95, 99, 108
KM7352	83, 88, 95, 99, 108
KM7460	95, 108
KM7475	78, 108
KM7532	108
KM7537	107, 82
KM7816	108, 100
KM8323	73, 75, 76, 107
KM8456	7, 107
KM84MMRS-SF	4, 7, 15, 19, 109
KM8500	88, 107, 82
KM8500A	108, 82
KM8755	11, 40, 107
KM8983	108, 96
KM9269	107, 50
KM9353	108, 89
KM9354	95, 108
KM9355	108, 89
KM9356	94, 108, 90
KM9905	107, 50
KMP1390A	30
KMP1390B	30
KMP-3024C-K1/K2	21, 136
KMP-3406E-K1	85, 87, 88
KMP-3406E-K1A	136
KMP-3406E-K1B	136
KMP-3406E-K2	85, 87, 88, 136
KMP-C13-K1	92, 93, 94, 137
KMP-C13-K2	92, 93, 94, 137
KMP-C15-K1A	137
KMP-C15-K1B	97, 99, 137
KMP-C15-K2	97, 99, 137
KMP-C18-K1A	137
KMP-C18-K1B	102, 104, 137
KMP-C18-K2	102, 104, 137
KMP-C2.2-K1NHG	18, 136, 17
KMP-C2.2-K2	18, 136, 17
KMP-C4.4-K1	52, 136, 51
KMP-C4.4-K2	52, 136, 51
KMP-C6.6-K1A	136, 79
KMP-C6.6-K1B	79, 80, 136
KMP-C6.6-K2A	79, 137
KMP-C6.6-K2B	79, 80, 137
KM-SK-C16	82, 83, 88
KM-SK-C18	100, 104, 109
ini on Cio	100, 101, 107

Part No	Page

# **NOTE**

# **NOTE**

# **NOTE**

# OUR GALLERY











KMPBRAND





















#### KMP PARTS REACH THE WHOLE WORLD!







Skype- Roberto KMP UK Rossi



Fax.+27 31 563 0668 craig@kmpbrand.com Skype: craig.mudaly2 mobile +27 73819 2305





UBOX 851637 Amman 1116 Jordan Tel: +962 6 5514955 Fax+962 6 5514956 mobile +962 79551 1995 Skype - Saad Al-Bahroni saad@kmpbrond.com