

Engine Series:

02

Engine Model:D902-E3B /
D902-E4B**Engine Desc:**

D902

Engine Data:Indirect
Injection
Screw-in fuel
injector**Engine Info:**3 Cyl - Naturally
Aspirated**Engine
Dimensions:**Bore: 2.83 in /
72mm Stroke:
2.90 in /
73.6mmPlease see
page **654** for a
complete list of
equipment
models.**Engine O/H Kit**

- KD902 Std.
- KD902/25 .25 mm
- KD902A Std.
- KD902A/25 .25 mm

1
1
2
2

**1) Piston & Ring Kit**

- K1J091-21770 Std.
- K1J091-21780 0.25 mm

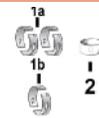
2) Piston

- K1J091-21110 Std.
- K1J091-21900 0.25

3) Ring Set

- K1J091-21050 Std.
- K1J091-21090 0.25

4
4

**1a) Main Bearing**

- K1G460-23833 Std.
- K1G460-23943 0.20 mm
- K1G460-23963 0.40 mm

Use 2 Pairs**1b) Main Bearing**

- K1G460-23823 Std.
- K1G460-23933 0.20 mm
- K1G460-23953 0.40 mm

Use 1 Pair**2) Frt. Crank Bushing**

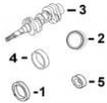
- K1G460-23472 Std.
- 1G460-23912 0.20 mm
- 1G460-23922 0.40 mm

Use 1**Con Rod Bearing**

- K15861-22314 Std.
- K15861-22973 0.20 mm
- K15861-22983 0.40 mm

Use 3 Pairs**Thrust Washer**

- K15261-23533/44 Std.

Set of 2 Pairs**1) Front Seal**

- K1J094-04140

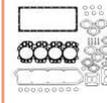
2) Rear Seal

- K1G460-04460

3) Crankshaft

- K1G962-23012

3

**1) Top Gasket Set**

- K1G470-99350
- K1G822-99354

1
2

2) Bottom Gasket Set

- K1G470-99365

5

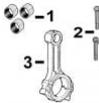
3) Head Gasket

- K1G962-03313

2

4) Rocker Cvr. Gasket

- K1G962-14522

**1) Bushing, Con Rod**

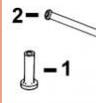
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2) Bolt, Con Rod

- K1G687-22010

3) Connecting Rod

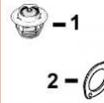
- K1G687-22010

**1) Tappet**

-

2) Pushrod

-

**1) Thermostat**

- K15321-73010
- K19434-73014

3
3

2) Gasket, Thermostat

- K16221-73270

Valve, Intake

- K1G460-13110

Valve, Exhaust

- K1G460-13120

Guide, Valve Intake

- K1G460-13110

Guide, Valve Exh.

- K1G460-13120

Spring, Valve

- K14601-13240

Seal, Valve

- K11420-13150

Lock, Valve

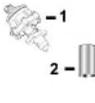
- K14601-13980

**1) Oil pump**

- K16851-35012

2) Solenoid, Fuel Stop

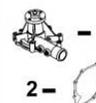
- K16851-60014

**1) Fuel pump**

- K1G961-52030

2) Repair Sleeve

- K1J351-52030
- 72RS

**1) Water Pump**

- K1E051-73036

- K1G820-73037

2) Gasket, Water Pump**1) Injector**

- K16871-53002

- KH1600-53000

2) Glow Plug

- K16851-65510

3) Oil pressure switch

- K15841-53622

4) Copper gasket, injector

- K15841-53622

5) Heat Shield, Injector

- K19077-53650

(1): Composite head gasket

(3): Check application for proper usage

(5): Includes front and rear crankshaft seals

(2): MLS head gasket

(4): Top - 1.50mm - Half Keystone, Middle - 1.50mm - Napier/Hook, Oil Control - 2.00mm

KUBOTA 05 SERIES D905 INDIRECT INJECTION

Engine Series:

05

Engine Model:

D905

Engine Desc:D905, D905BG,
D905-E2B**Engine Data:**Indirect
Injection
Screw-in fuel
injector**Engine Info:**3 Cyl - Naturally
Aspirated**Engine
Dimensions:**Bore: 2.83 in /
72mm Stroke:
2.90 in /
73.6mm**Kubota**B1700DT -
TRACTOR
B1700E -
TRACTOR
B1700HST-D -
TRACTOR
BX2100D -
TRACTOR
BX22 -
TRACTOR
BX22D -
TRACTOR
BX2200D -
TRACTOR
BX23D -
TRACTOR**Engine O/H Kit**

- KD905 Std.
- KD905/50 0.50mm
- KD905A Std.
- KD905A/50 .50mm

2
2
3
3**1) Piston & Ring Kit**

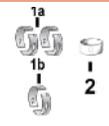
- K1G032-21773 Std.
- K1G032-21793 0.50 mm

2) Piston

- K16304-21110 Std.
- K16304-21910 0.50

3) Ring Set

- K16304-21050 Std.
- K16304-21090 0.50

**1a) Main Bearing**

- K16292-23480 Std.
- K16292-23930 0.20 mm
- K16292-23940 0.40 mm

Use 2 Pairs**1b) Main Bearing**

- K16292-23490 Std.
- K16292-23860 0.20 mm
- K16292-23870 0.40 mm

Use 1 Pair**2) Frt. Crank Bushing**

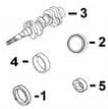
- K16292-23470 Std.
- K16292-23910 0.20 mm
- K16292-23920 0.40 mm

Use 1**Con Rod Bearing**

- K16292-22310 Std.
- K16292-22970 0.20 mm
- K16292-22980 0.40 mm

Use 3 Pairs**Thrust Washer**

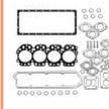
- K15521-23530/40 Std.
- K15521-23950/70 0.20 mm
- K15521-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K16241-04212

2) Rear Seal

- K16285-04460

**1) Head Gasket Set**

- K07916-27886
- K1G032-99353

2
3**2) Bottom Gasket Set**

- K1G032-99363

15

3) Head Gasket

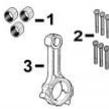
- K16221-03310
- K1G032-03310

2
3**4) Rocker Cvr. Gasket**

- K16261-14524

5) Oil Pan Gasket

- K16266-01620

**1) Bushing, Con Rod**

- K1G700-21980

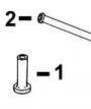
4

2) Bolt, Con Rod

- K16241-22142

3) Connecting Rod

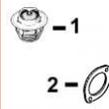
- K16292-22016

**1) Tappet**

- K16261-15550

2) Pushrod

- K16241-15114

**1) Thermostat**

- K15531-73010
- K1E399-73010

5
6**2) Gasket, Thermostat**

- K16221-73270
- K16851-73270

7
8**Valve, Intake**

- K16241-13110

Valve, Exhaust

- K16241-13120

Guide, Valve Intake

- K16261-13540
- Guide, Valve Exh.**
- K16261-13560

Spring, Valve

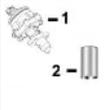
- K16271-13240
- K15261-13240
- Seal, Valve**
- K1C010-13150
- Lock, Valve**
- K15261-13980

9
10**1) Oil pump**

- K16241-35070

2) Solenoid, Fuel Stop

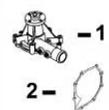
- K17208-60016
- K17594-60014

1
1**1) Fuel pump**

- K16241-52030

2) Repair Sleeve

- 72RS

**1) Water pump**

- K16251-73034
- K16241-73034

1

2) Gasket, water pump

- K16239-73430
- K16261-73430

**1) Injector**

- K16032-53902

2) Glow Plug

- K16851-65510

3) Oil pressure switch

- K15841-39010

4) Copper gasket, injector

- K15841-53622

5) Heat Shield, Injector

- K19077-53650

1

(1): Check application for proper usage

(3): MLS head gasket

(6): 71°C (160° F). Use Gasket K16851-73270 Flange outside diameter 38mm & inner diameter 27mm (below flange). Total height 45mm

(8): For thermostat K1E399-73010. Installation holes center to center 52mm. Inner Diameter 35mm

(10): Free length ≈35.6mm

(12): Impeller diameter 58mm. Use Gasket K16261-73430

(14): Paper material. Use on water pump 16241-73034 (58mm impeller)

(15): Includes front and rear crankshaft seals

(2): Composite head gasket

(5): 71°C (160° F). Use Gasket K16221-73270 Flange outside diameter 44mm & inner diameter 22mm (below flange). Total height 40mm

(7): For thermostat K19434-73014. Installation holes center to center 60mm. Inner Diameter 41mm

(9): Free length ≈37.05mm

(11): Impeller diameter 68mm. Use Gasket K16239-73430

(13): Metal material. Use on water pump K16251-73034 (68mm impeller)

(4): Finished Bore

KUBOTA 05 SERIES D1105 INDIRECT INJECTION

Engine Series:
05

Engine Model:
D1105-BB /
D1105-BG2

Engine Desc:
D1105-BBS

Engine Data:
Indirect
Injection
Screw-in fuel
injector

Engine Info:
3 Cyl - Naturally
Aspirated

**Engine
Dimensions:**
Bore: 3.07 in /
78mm Stroke:
3.09 in /
78.4mm

Please see
page **655** for a
complete list of
equipment
models.



Engine O/H Kit

- › KD1105 Std.
- › KD1105/50 0.50 mm.



1) Piston & Ring Kit

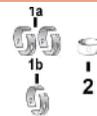
- › K1G069-21775 Std.
- › K1G069-21795 0.50 mm

2) Piston

- › K16060-21114 Std.
- › K16060-21914 0.50

3) Ring Set

- › K16261-21050 Std.
- › K16261-21090 0.50



1a) Main Bearing

- › K16292-23480 Std.
- › K16292-23930 0.20 mm
- › K16292-23940 0.40 mm

Use 2 Pairs

1b) Main Bearing

- › K16292-23490 Std.
- › K16292-23860 0.20 mm
- › K16292-23870 0.40 mm

Use 1 Pair

2) Frt. Crank Bushing

- › K16292-23470 Std.
- › K16292-23910 0.20 mm
- › K16292-23920 0.40 mm

Use 1



Con Rod Bearing

- › K16292-22310 Std.
- › K16292-22970 0.20 mm
- › K16292-22980 0.40 mm

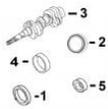
Use 3 Pairs



Thrust Washer

- › K15521-23530/40 Std.
- › K15521-23950/70 0.20 mm
- › K15521-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- › K16241-04212

2) Rear Seal

- › K16241-04460

3) R. Crank Sleeve

- › K16241-23280



1) Top Gasket Set

- › K07916-29116
- › K07916-29117

2) Bottom Gasket Set

- › K1G995-99362

3) Head Gasket

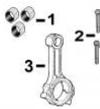
- › K16261-03310
- › K1E038-03310
- › K1G063-03310

4) Rocker Cvr. Gasket

- › K16261-14524

5) Oil Pan

- › K16266-01620



1) Bushing, Con Rod

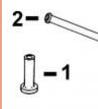
- › K1G700-21980

2) Bolt, Con Rod

- › K16241-22142

3) Connecting Rod

- › K16292-22016

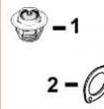


1) Tappet

- › K1G673-15550

2) Pushrod

- › K16241-15114



1) Thermostat

- › K19434-73014
- › K1E399-73010

2) Gasket, Thermostat

- › K16221-73270
- › K16851-73270

Valve, Intake

- › K16241-13110

Valve, Exhaust

- › K16241-13120

Guide, Valve Intake

- › K16261-13540

Guide, Valve Exh.

- › K16261-13560

Spring, Valve

- › K16271-13240

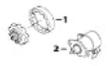
- › K15261-13240

Seal, Valve

- › K1C010-13150

Lock, Valve

- › K15261-13980



1) Oil pump

- › K16241-35070

2) Solenoid, Fuel Stop

- › K17208-60016



1) Fuel pump

- › K16241-52030

2) Repair Sleeve

- › 78RS



1) Water pump

- › K16251-73034

- › K16241-73034

2) Gasket, water pump

- › K16239-73430
- › K16261-73430



1) Injector

- › K16032-53902

2) Glow Plug

- › K16851-65510

3) Oil pressure switch

- › K15841-39010

4) Copper gasket, injector

- › K15841-53622

5) Heat Shield, Injector

- › K19077-53650

(1): Includes composite head gasket K16261-03310 (no gas vents between fire rings)

(3): Composite Material. It does have gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket

(5): 71°C (160° F). Use Gasket K16221-73270 Flange outside diameter 44mm & inner diameter 22mm (below flange). Total height 40mm

(7): For thermostat K19434-73014. Installation holes center to center 60mm. Inner Diameter 41mm

(9): Free length ≈37.05mm

(11): Impeller diameter 68mm. Use Gasket K16239-73430

(13): Metal material. Use on water pump K16251-73034 (68mm impeller)

(15): Middle ring is Napier/Hook style ring. There is also available ring set 16292-21050 with a internally stepped middle ring

(17): Includes composite head gasket K1E038-03310 (gas vents between fire rings)

(19): Kit includes the 16264-04132 Front Timing Cover Gasket. There is another Front Timing cover gasket 16700-04133 which is not interchangeable.

(2): Composite Material. No gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket.

(4): MLS

(6): 71°C (160° F). Use Gasket K16851-73270 Flange outside diameter 38mm & inner diameter 27mm (below flange). Total height 45mm

(8): For thermostat K1E399-73010. Installation holes center to center 52mm. Inner Diameter 35mm

(10): Free length ≈35.6mm

(12): Impeller diameter 58mm. Use Gasket K16261-73430

(14): Paper material. Use on water pump 16241-73034 (58mm impeller)

(16): Middle ring is Napier/Hook style ring. There is also available ring set 16292-21090 with a internally stepped middle ring

(18): Finished Bore

(20): Check application for proper usage.

KUBOTA 05 SERIES D1105T INDIRECT INJECTION

Engine Series:
05

Engine Model:
D1105-T-E3B

Engine Data:
Indirect Injection
Screw-in fuel injector

Engine Info:
3 Cyl - Turbocharged

Engine Dimensions:
Bore: 3.07 in / 78mm
Stroke: 3.09 in / 78.4mm



Engine O/H Kit

- KD1105T Std.
- KD1105T/50 0.50 mm

1
1



1) Piston & Ring Kit

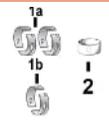
- K1G993-21774 Std.
- K1G995-21794 0.50 mm

2) Piston

- K16292-21115 Std.
- K16292-21915 0.50

3) Ring Set

- K16292-21050 Std.
- K16292-21090 0.50



1a) Main Bearing

- K16292-23480 Std.
- K16292-23930 0.20 mm
- K16292-23940 0.40 mm

Use 2 Pairs

1b) Main Bearing

- K16292-23490 Std.
- K16292-23860 0.20 mm
- K16292-23870 0.40 mm

Use 1 Pair

2) Frt. Crank Bushing

- K16292-23470 Std.
- K16292-23910 0.20 mm
- K16292-23920 0.40 mm

Use 1



Con Rod Bearing

- K16292-22310 Std.
- K16292-22970 0.20 mm
- K16292-22980 0.40 mm

Use 3 Pairs



Thrust Washer

- K15521-23530/40 Std.
- K15521-23950/70 0.20 mm
- K15521-23960/80 0.40 mm

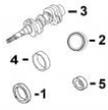
Set of 2 Pairs

BOBCAT

B100 - Loader Backhoe
B200 - Loader Backhoe
B250 - Loader Backhoe

DITCH WITCH

SK650 - Mini Skid Steer
XT855 - Mini Skid Steer



1) Front Seal

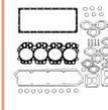
- K16241-04212

2) Rear Seal

- K16241-04460

3) R. Crank Sleeve

- K16241-23280



1) Top Gasket Set

- K07916-29117

2) Bottom Gasket Set

- K1G995-99362

3) Head Gasket

- K16261-03310
- K1E038-03310
- K1G063-03310

4) Rocker Cvr. Gasket

- K16261-14524

5) Oil Pan

- K16266-01620



1) Bushing, Con Rod

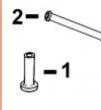
- K1G700-21980

2) Bolt, Con Rod

- K16241-22142

3) Connecting Rod

- K16292-22016



1) Tappet

- K1G673-15550

2) Pushrod

- K16241-15114



1) Thermostat

- K19434-73014
- K1E399-73010

2) Gasket, Thermostat

- K16221-73270
- K16851-73270

Valve, Intake

- K16241-13110

Valve, Exhaust

- K16241-13120

Guide, Valve Intake

- K16261-13540
- Guide, Valve Exh.**
- K16261-13560

Spring, Valve

- K16271-13240
- K15261-13240
- Seal, Valve**
- K1C010-13150
- Lock, Valve**
- K15261-13980



1) Oil pump

- K16241-35070

2) Solenoid, Fuel Stop

- K17208-60016



1) Fuel pump

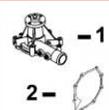
- K16241-52030

2) Turbocharger

- K16292-17016

3) Repair Sleeve

- 78RS



1) Water pump

- K16251-73034
- K16241-73034

2) Gasket, water pump

- K16239-73430
- K16261-73430



1) Injector

- K16032-53902

2) Glow Plug

- K16851-65510

3) Oil pressure switch

- K15841-39010

4) Copper gasket, injector

- K15841-53622

5) Heat Shield, Injector

- K19077-53650

(1): Includes composite head gasket K1E038-03310 (gas vents between fire rings) Other head gaskets available

(3): Composite Material. It does have gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket

(5): 71°C (160° F). Use gasket K16221-73270/Flange outside diameter 44mm & inner diameter 22mm (below flange). Total height 40mm

(7): For thermostat K19434-73014. Installation holes center to center 60mm. Inner Diameter 41mm

(9): Free length ≈37.05mm

(11): Impeller diameter 68mm. Use Gasket K16239-73430

(13): Metal material. Use on water pump K16251-73034 (68mm impeller)

(15): Finished Bore

(17): Check application for proper usage.

(2): Composite Material. No gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket.

(4): MLS

(6): 71°C (160° F). Use gasket K16851-73270/Flange outside diameter 38mm & inner diameter 27mm (below flange). Total height 45mm

(8): For thermostat K1E399-73010. Installation holes center to center 52mm. Inner Diameter 35mm

(10): Free length ≈35.6mm

(12): Impeller diameter 58mm. Use Gasket K16261-73430

(14): Paper material. Use on water pump 16241-73034 (58mm impeller)

(16): Kit includes the 16264-04132 Front Timing Cover Gasket. There is another Front Timing cover gasket 1G700-04133 which is not interchangeable.

KUBOTA 05 SERIES V1505 INDIRECT INJECTION

Engine Series:
05

Engine Model:
V1505-E3B /
V1505-BG2

Engine Desc:
V1505-BB /
V1505-BBS

Engine Data:
Indirect
Injection
Screw-in fuel
injector

Engine Info:
4 Cyl - Naturally
Aspirated

Engine Dimensions:
Bore: 3.07 in /
78mm Stroke:
3.09 in /
78.4mm

Please see
page **656** for a
complete list of
equipment
models.



Engine O/H Kit

- ▶ KV1505 Std.
- ▶ KV1505/50 0.50 mm



1) Piston & Ring Kit

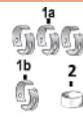
- ▶ K1G069-21775 Std.
- ▶ K1G069-21795 0.50 mm

2) Piston

- ▶ K16060-21114 Std.
- ▶ K16060-21914 0.50

3) Ring Set

- ▶ K16261-21050 Std.
- ▶ K16261-21090 0.50



1a) Main Bearing

- ▶ K16292-23480 Std.
- ▶ K16292-23930 0.20 mm
- ▶ K16292-23940 0.40 mm

Use 3 Pairs

1b) Main Bearing

- ▶ K16292-23490 Std.
- ▶ K16292-23860 0.20 mm
- ▶ K16292-23870 0.40 mm

Use 1 Pair

2) Frt. Crank Bushing

- ▶ K16292-23470 Std.
- ▶ K16292-23910 0.20 mm
- ▶ K16292-23920 0.40 mm

Use 1



Con Rod Bearing

- ▶ K16292-22310 Std.
- ▶ K16292-22970 0.20 mm
- ▶ K16292-22980 0.40 mm

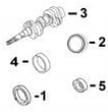
Use 4 Pairs



Thrust Washer

- ▶ K15521-23530/40 Std.
- ▶ K15521-23950/70 0.20 mm
- ▶ K15521-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

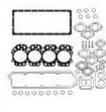
- ▶ K16241-04212

2) Rear Seal

- ▶ K16241-04460

3) R. Crank Sleeve

- ▶ K16241-23280



1) Top Gasket Set

- ▶ K16286-99352
- ▶ K07916-27305

2) Bottom Gasket Set

- ▶ K1G089-99365

3) Head Gasket

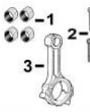
- ▶ K16282-03310
- ▶ K16292-03310
- ▶ K16394-03313

4) Rocker Cvr. Gasket

- ▶ K16241-14520

5) Oil Pan

- ▶ K16299-01620



1) Bushing, Con Rod

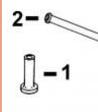
- ▶ K1G700-21980

2) Bolt, Con Rod

- ▶ K16241-22142

3) Connecting Rod

- ▶ K16292-22016

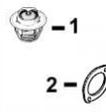


1) Tappet

- ▶ K1G673-15550

2) Pushrod

- ▶ K16241-15114



1) Thermostat

- ▶ K19434-73014
- ▶ K1E399-73010

2) Gasket, Thermostat

- ▶ K16221-73270
- ▶ K16851-73270

Valve, Intake

- ▶ K16241-13110 x4

Valve, Exhaust

- ▶ K16241-13120 x4

Guide, Valve Intake

- ▶ K16261-13540 x4

Guide, Valve Exh.

- ▶ K16261-13560 x4

Spring, Valve

- ▶ K16271-13240 x8

- ▶ K15261-13240 x8

Seal, Valve

- ▶ K1C010-13150 x8

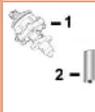
Lock, Valve

- ▶ K15261-13980 x8



Oil pump

- ▶ K16241-35070

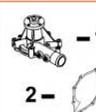


1) Fuel pump

- ▶ K16241-52030

2) Repair Sleeve

- ▶ 78RS



1) Water pump

- ▶ K16251-73034

- ▶ K16241-73034

2) Gasket, water pump

- ▶ K16239-73430

- ▶ K16261-73430



1) Injector

- ▶ K16032-53902

2) Glow Plug

- ▶ K16851-65510

3) Oil pressure switch

- ▶ K15841-39010

4) Copper gasket, injector

- ▶ K15841-53622

5) Heat Shield, Injector

- ▶ K19077-53650

(1): Includes composite head gasket K16282-03310(no gas vents between fire rings)

(3): Composite Material. It does have gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gaske

(5): 71°C (160° F). Use gasket K16221-73270Flange outside diameter 44mm & inner diameter 22mm (below flange). Total height 40mm

(7): For thermostat K19434-73014. Installation holes center to center 60mm. Inner Diameter 41mm

(9): Free length ≈37.05mm

(11): Impeller diameter 68mm. Use Gasket K16239-73430

(13): Metal material. Use on water pump K16251-73034 (68mm impeller)

(15): Middle ring is Napier/Hook style ring. There is also available ring set 16292-21050 with a internally stepped middle ring

(17): Includes composite head gasket K16292-03310(gas vents between fire rings)

(2): Composite Material. No gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket.

(4): MLS

(6): 71°C (160° F). Use gasket K16851-73270Flange outside diameter 38mm & inner diameter 27mm (below flange). Total height 45mm

(8): For thermostat K1E399-73010. Installation holes center to center 52mm. Inner Diameter 35mm

(10): Free length ≈35.6mm

(12): Impeller diameter 58mm. Use Gasket K16261-73430

(14): Paper material. Use on water pump 16241-73034 (58mm impeller)

(16): Middle ring is Napier/Hook style ring. There is also available ring set 16292-21090 with a internally stepped middle ring

(18): Finished Bore

KUBOTA 05 SERIES V1505T INDIRECT INJECTION

Engine Series:
05

Engine Model:
V1505-T-E3B /
V1505-T-EBB

Engine Desc:
V1505-T-E2B

Engine Data:
Indirect
Injection
Screw-in fuel
injector

Engine Info:
4 Cyl -
Turbocharged

**Engine
Dimensions:**
Bore: 3.07 in /
78mm Stroke:
3.09 in /
78.4mm

SNORKEL
T40RT -
Wheeled
Telescopic Lift
T46JRT -
Wheeled
Telescopic Lift



Engine O/H Kit

- › KV1505T Std.
- › KV1505T/50 0.50 mm

1
1



1) Piston & Ring Kit

- › K1G993-21774 Std.
- › K1G995-21794 0.50 mm

2) Piston

- › K16292-21115 Std.
- › K16292-21915 0.50

3) Ring Set

- › K16292-21050 Std.
- › K16292-21090 0.50



1a) Main Bearing

- › K16292-23480 Std.
- › K16292-23930 0.20 mm
- › K16292-23940 0.40 mm

Use 3 Pairs

1b) Main Bearing

- › K16292-23490 Std
- › K16292-23860 0.20 mm
- › K16292-23870 0.40 mm

Use 1 Pair

2) Frt. Crank Bushing

- › K16292-23470 Std.
- › K16292-23910 0.20 mm
- › K16292-23920 0.40 mm

Use 1



Con Rod Bearing

- › K16292-22310 Std.
- › K16292-22970 0.20 mm
- › K16292-22980 0.40 mm

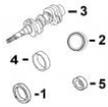
Use 4 Pairs



Thrust Washer

- › K15521-23530/40 Std.
- › K15521-23950/70 0.20 mm
- › K15521-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

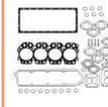
- › K16241-04212

2) Rear Seal

- › K16241-04460

3) R. Crank Sleeve

- › K16241-23280



1) Top Gasket Set

- › K07916-27305

2) Bottom Gasket Set

- › K1G089-99365

3) Head Gasket

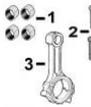
- › K16282-03310
- › K16292-03310
- › K16394-03313

4) Rocker Cvr. Gasket

- › K16241-14520

5) Oil Pan

- › K16299-01620



1) Bushing, Con Rod

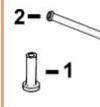
- › K1G700-21980

2) Bolt, Con Rod

- › K16241-22142

3) Connecting Rod

- › K16292-22016



1) Tappet

- › K1G673-15550

2) Pushrod

- › K16241-15114



1) Thermostat

- › K19434-73014
- › K1E399-73010

2) Gasket, Thermostat

- › k16221-73270
- › K16851-73270

Valve, Intake

- › K16241-13110 x4

Valve, Exhaust

- › K16241-13120 x4

Guide, Valve Intake

- › K16261-13540 x4

Guide, Valve Exh.

- › K16261-13560 x4

Spring, Valve

- › K16271-13240 x8

- › K15261-13240 x8

Seal, Valve

- › K1C010-13150 x8

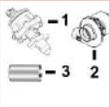
Lock, Valve

- › K15261-13980 x16



Oil pump

- › K16241-35070



1) Fuel pump

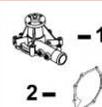
- › K16241-52030

2) Turbocharger

- › K16292-17016

3) Repair Sleeve

- › 78RS



1) Water pump

- › K16251-73034
- › K16241-73034

2) Gasket, water pump

- › K16239-73430
- › K16261-73430



1) Injector

- › K16032-53902

2) Glow Plug

- › K16851-65510

3) Oil pressure switch

- › K15841-39010

4) Copper gasket, injector

- › K15841-53622

5) Heat Shield, Injector

- › K19077-53650

(1): Includes composite head gasket K16292-03310(gas vents between fire rings) Other head gaskets available

(3): Composite Material. It does have gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket

(5): 71°C (160° F). Use gasket K16221-73270Flange Outside diameter 44mm & inner diameter 22mm (below flange). Total height 40mm

(7): For thermostat K19434-73014.Installation holes center to center 60mm. Inner Diameter 41mm

(9): Free length ≈37.05mm

(11): Impeller diameter 68mm. Use Gasket K16239-73430

(13): Metal material. Use on water pump K16251-73034 (68mm impeller)

(15): Finished Bore

(2): Composite Material. No gas vents between fire rings. It is recommended to replace O-ring K15221-33700 when installing a new composite head gasket.

(4): MLS

(6): 71°C (160° F). Use gasket K16851-73270Flange outside diameter 38mm & inner diameter 27mm (below flange). Total height 45mm

(8): For thermostat K1E399-73010.Installation holes center to center 52mm. Inner Diameter 35mm

(10): Free length ≈35.6mm

(12): Impeller diameter 58mm. Use Gasket K16261-73430

(14): Paper material. Use on water pump 16241-73034 (58mm impeller)

KUBOTA 02 SERIES V1702 INDIRECT INJECTION

Engine Series:

02

Engine Model:

V1702

Engine Data:

Indirect Injection
Screw-in fuel injector

Engine Info:

4 Cyl

Engine Dimensions:

Bore: 3.228 in / 82 mm
Stroke: 3.228 in / 82 mm

Kubota

L1850F - Tractor

Bobcat

733 - Skid Steer Loader
743 - Skid Steer Loader
743B - Skid Steer Loader
743DS - Skid Steer Loader
1600 - Wheel Loader

Genie

Z45/22 - Boom lift

**Engine O/H Kit**

- › KV1702 Std.
- › KV1702/50 0.50 mm

**1) Piston & Ring Kit**

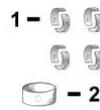
- › K07916-26630 Std.
- › K07916-26640 0.50 mm

Use 4**2) Piston**

- › K15201-21110 Std.
- › K15201-21910 0.50

3) Ring Set

- › K15201-21052 Std.
- › K15201-21092 0.50

**1) Main Bearing**

- › K17311-23480 Std.
- › K17311-23930 0.20 mm
- › K17311-23940 0.40 mm

Use 4 Pairs**2) Front Crank Bushing**

- › K17311-23470 Std.
- › K17311-23910 0.20 mm
- › K17311-23920 0.40 mm

Use 1**1) Con Rod Bearing**

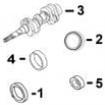
- › K15471-22310 Std.
- › K15471-22970 0.20 mm
- › K15471-22980 0.40 mm

Use 4 Pairs**2) Kit Metal, Engine**

- › K07916-28120 Std.

**Thrust Washer**

- › K15521-23530/40 Std.
- › K15521-23950/70 0.20 mm
- › K15521-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

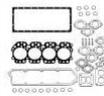
- › K15476-23010

4) Rear Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250

**1) Top Gasket Set**

- › K07916-29695

2) Bottom Gasket Set

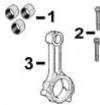
- › K07916-29705

3) Head Gasket

- › K15766-03310

4) Rocker Cover Gasket

- › K15471-14520

**1) Bushing, Con Rod**

- › K15221-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K15471-22013

**1) Tappet**

- › K15221-15550 x8

2) Pushrod

- › K15221-15110 x8

3) Cam Bushing**1) Thermostat**

- › K15321-73010

2) Switch, Thermostat

- › K33400-75250

Valve, Intake

- › K15221-13110 x4

Valve, Exhaust

- › K15221-13120 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exh.

- › K17321-13560 x4

Spring, Valve

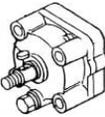
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

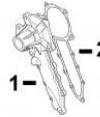
- › K15221-13980 x16

**Oil Pump**

- › K15471-35013

**Fuel Lift Pump**

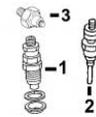
- › K15263-52030

**1) Water Pump**

- › K15221-73030

2) Water Pump Gasket

- › K15766-53430

**1) Injector**

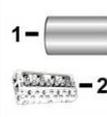
- › K19202-53020 x4

2) Glow Plug

- › K15521-65510 x4

3) Switch, Oil

- › K15841-39010

**Liner**

- › 1) K15201-02310

2) Cylinder Head

- › K15422-03044UF **1**

(1): WITH OUT STEAM HOLES

KUBOTA 03 SERIES V2003-M INDIRECT INJECTION

Engine Series:
03
Engine Model:
V2003-M

Engine Desc:
V2003-M-E2B
/ V2003-M-E3BG

Engine Data:
Indirect Injection
Screw-in fuel injector
Fuel solenoid on front cover
Crankshaft
Main Journal
OD: 60 mm

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.268 in / 83 mm
Stroke: 3.638 in / 92.4 mm

TYMCO
RED-D-ARC
REFORM
WERKE



Engine O/H Kit

- KV2003MW Std.
- KV2003MW/25 0.25 mm



1) Piston & Ring Kit

- K1G726-21772 Std.
- K1G726-21782 0.25 mm

Use 4

2) Piston

- K1A021-21112 Std.
- K1A021-21902 0.25 mm

3) Ring Set

- K1G464-21050 Std.
- K1G464-21090 0.25 mm



1) Main Bearing

- K1A091-23480 Std.
- K1A091-23930 0.20 mm
- K1A091-23940 0.40 mm

Use 4 Pairs

2) Front Crank Bushing

- K1A091-23470 Std.
- K1A091-23910 0.20 mm
- K1A091-23920 0.40 mm

Use 1



1) Con Rod Bearing

- K17311-22310 Std.
- K17311-22970 0.20 mm
- K17311-22980 0.40 mm

Use 4 Pairs

2) Kit Metal, Engine

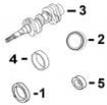
- K1G856-23570 Std.
- K1G856-23760 0.20 mm
- K1G856-23770 0.40 mm



Thrust Washer

- K1A091-23530/40 Std.
- K1A091-23950/70 0.20 mm
- K1A091-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- K19202-04140

2) Rear Seal

- K19202-04460

3) Crankshaft

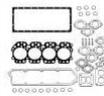
- K16641-23020

4) Rear Crank Bushing

- K19202-23280

5) Front Crank Collar

- K19202-23250



1) Top Gasket Set

- K1G468-99350

2) Bottom Gasket Set

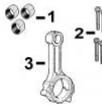
- K1G486-99360

3) Head Gasket

- K1G770-03312 1.20

4) Rocker Cover Gasket

- K1G911-14523



1) Bushing, Con Rod

- K17331-21980 x4

2) Bolt, Con Rod

- K1J700-22140 x8

3) Connecting Rod

- K17311-22010



1) Tappet

- K15601-15550 x8

2) Pushrod

- K19013-15110 x8

3) Cam Bushing



1) Thermostat

- K1A021-73012

2) Switch, Thermostat

- K31351-32830

Valve, Intake

- K16484-13110 x4

Valve, Exhaust

- K16484-13120 x4

Guide, Valve Intake

- K17321-13580 x4

Guide, Valve Exhaust

- K17321-13560 x4

Spring, Valve

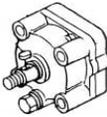
- K15221-13240 x8

Seal, Valve

- K15221-13153 x8

Lock, Valve

- K15221-13980 x16



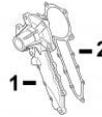
Oil Pump

- K15471-35013



Fuel Lift Pump

- K17121-52030



1) Water Pump

- K1A051-73032

2) Gasket, Water Pump

- K1A051-73430



1) Injector

- K16454-53900 x4

2) Glow Plug

- K19077-65510 x4

3) Switch, Oil

- K15841-39010



Repair Sleeve

- 83RS

KUBOTA 03 SERIES V2003-M INDIRECT INJECTION

Engine Series:
03

Engine Model:
V2003-M-TEB

Engine Desc:
V2003-M-T-E2B / V2003-M-T-E3B

Engine Data:
Indirect Injection
Screw-in fuel injector
Fuel solenoid on front cover
Crankshaft
Main Journal
OD: 60mm

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.268 in / 83 mm
Stroke: 3.638 in / 92.4 mm

Bobcat
337 - Mini Excavator
341 - Midi Excavator
S160 - Wheel Skid Steer Loader
S185 - Skid Steer Loader
T180 - Compact Track Loader



Engine O/H Kit

- › KV2003MTW Std.
- › KV2003MTW/25 0.25 mm



1) Piston & Ring Kit

- › K1G468-21770 Std.
- › K1G468-21780 0.25 mm

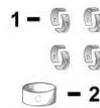
Use 4

2) Piston

- › K1G624-21110 Std.
- › K1G624-21900 0.25 mm

3) Ring Set

- › K1A024-21050 Std.
- › K1A024-21090 0.25 mm



1) Main Bearing

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs

2) Front Crank Bushing

- › K1A091-23470 Std.
- › K1A091-23910 0.20 mm
- › K1A091-23920 0.40 mm

Use 1



1) Con Rod Bearing

- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs

2) Kit Metal, Engine

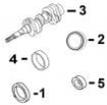
- › K1G856-23570 Std.
- › K1G856-23760 0.20 mm
- › K1G856-23770 0.40 mm



Thrust Washer

- › K1A091-23530/40 Std.
- › K1A091-23950/70 0.20 mm
- › K1A091-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

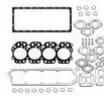
- › K16641-23020

4) Rear Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250



1) Top Gasket Set

- › K1G468-99350

2) Bottom Gasket Set

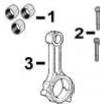
- › K1G486-99360

3) Head Gasket

- › K1G770-03602 1.15
- › K1G770-03312 1.20
- › K1G770-03612 1.25
- › K1G770-03622 1.30
- › K1G770-03632 1.35

4) Rocker Cover Gasket

- › K1G911-14523



1) Bushing, Con Rod

- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010



1) Tappet

- › K15601-15550 x8

2) Pushrod

- › K19013-15110 x8

3) Cam Bushing



1) Thermostat

- › K1A021-73012

2) Switch, Thermostat

Valve, Intake

- › K16484-13110 x4

Valve, Exhaust

- › K16419-13120 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

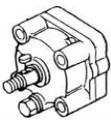
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16



Oil Pump

- › K15471-35013



Fuel Lift Pump

- › K17121-52030

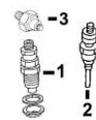


1) Water Pump

- › K1G489-73030

2) Water Pump Gasket

- › K1A051-73430



1) Injector

- › K16419-53905 x4

2) Glow Plug

- › K19077-65510 x4

3) Switch, Oil

- › K15841-39010



Repair Sleeve

- › 83RS

KUBOTA 03 SERIES V2003-M-DI-T DIRECT INJECTION

Engine Series:
03

Engine Model:
V2003-M-DI-T-E2B

Engine Data:
Direct Injection
Pencil fuel injector
Fuel solenoid on front cover
Crankshaft Main Journal OD: 60mm

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.268 in / 83 mm
Stroke: 3.638 in / 92.4 mm

Bobcat
341 - Midi Excavator
435ZHS - Mini Excavator
S185 (Series 52 y 53) - Skid Steer Loader
5600 TURBO - Toolcat
S160 - Skid Steer Loader
T180 - Compact track Loader
T190 - Compact track Loader



Engine O/H Kit

- › KV2003MDITW Std.
- › KV2003MDITW/25 0.25 mm



1) Piston & Ring Kit

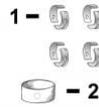
- › K1G770-21772 Std.
- › K1G770-21782 0.25 mm

Use 4

- 2) Piston**
- › K1G770-21112 Std.
 - › K1G770-21902 0.25 mm

3) Ring Set

- › K1A024-21050 Std.
- › K1A024-21092 0.25 mm



1) Main Bearing

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs

2) Front Crank Bushing

- › K1A091-23470 Std.
- › K1A091-23910 0.20 mm
- › K1A091-23920 0.40 mm

Use 1



1) Con Rod Bearing

- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs

2) Kit Metal, Engine

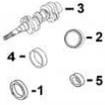
- › K1G856-23570 Std.
- › K1G856-23760 0.20 mm
- › K1G856-23770 0.40 mm



Thrust Washer

- › K1A091-23530/40 Std.
- › K1A091-23950/70 0.20 mm
- › K1A091-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

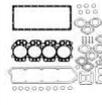
- › K16641-23020

4) Rear Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250



1) Top Gasket Set

- › K1G468-99350

2) Bottom Gasket Set

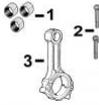
- › K1G486-99360

3) Head Gasket

- › K1G770-03602 1.15
- › K1G770-03312 1.20
- › K1G770-03612 1.25
- › K1G770-03622 1.30
- › K1G770-03632 1.35

4) Rocker Cover Gasket

- › K1G911-14523



1) Bushing, Con Rod

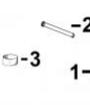
- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010



1) Tappet

- › K15601-15550 x8

2) Pushrod

- › K19013-15110 x8

3) Cam Bushing



1) Thermostat

- › K1E401-73010

2) Switch, Thermostat

Valve, Intake

- › K1G852-13112 x4

Valve, Exhaust

- › K1G852-13122 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

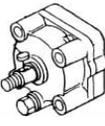
- › K1G896-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16



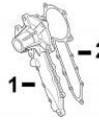
Oil Pump

- › K15471-35013



Fuel Lift Pump

- › K17121-52030



1) Water Pump

- › K1G489-73030

2) Gasket, Water Pump

- › K1A051-73430



1) Injector

- › K1G730-53000 x4

2) Glow Plug

- › K1G852-65510 x4

3) Switch, Oil

- › K15841-39010



1) Repair Sleeve

- › 83RS

2) Turbocharger

- › K1G923-17013
- › K1J700-17012

(1): Check application for proper usage.

KUBOTA 03 SERIES V2003-T INDIRECT INJECTION

Engine Series:

03

Engine Model:

V2003-T

Engine Desc:

V2003-T-EB

Engine Data:

Indirect Injection
Screw-in fuel injector
Fuel solenoid on injection pump
Crankshaft
Main Journal
OD: 52mm

Engine Info:

4 Cyl

Engine**Dimensions:**

Bore: 3.268 in / 83 mm
Stroke: 3.638 in / 92.4 mm

Bobcat

773 TURBO - Skid Steer
773 500K - Wheel Skid Steer Loader
S160 (2002) - Compact Track Loader
S185 (2002) - Wheel Skid Steer Loader
331 (2000) - Midi Excavator
337 (2001) - Mini Excavator
341 (2000) - Midi Excavator
T180 - Skid Steer Loader
T190 - Skid Steer Loader

Princeton

PB50 - Forklift
PB65 - Forklift

Thomas

T175 - Compact track loader

**Engine O/H Kit**

- › KV2003TN Std.
- › KV2003TN/50 0.50 mm

**1) Piston & Ring Kit**

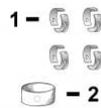
- › K16483-21770 Std.
- › K16483-21780 0.50 mm

Use 4**2) Piston**

- › K16483-21110 Std.
- › K16483-21910 0.50 mm

3) Ring Set

- › K1G610-21050 Std.
- › K1G610-21090 0.50 mm

**1) Main Bearing**

- › K17311-23480 Std.
- › K17311-23930 0.20 mm
- › K17311-23940 0.40 mm

Use 4 Pairs**2) Front Crank Bushing**

- › K17311-23470 Std.
- › K17311-23910 0.20 mm
- › K17311-23920 0.40 mm

Use 1**1) Con Rod Bearing**

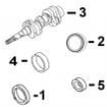
- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs**2) Kit Metal, Engine**

- › K07916-28000 Std.
- › K07916-28740 0.20 mm
- › K07916-28752 0.40 mm

**Thrust Washer**

- › K15521-23530/40 Std.
- › K15521-23950/70 0.20 mm
- › K15521-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

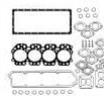
- › K16641-23010

4) R. Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250

**Top Gasket Set**

- › K1G970-99350

2) Bottom Gasket Set

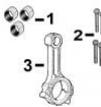
- › K1G974-99362

3) Head Gasket

- › K1E013-03312

4) Rocker Cover Gasket

- › K15471-14520

**1) Bushing, Con Rod**

- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010

**1) Tappet**

- › K15601-15550 x8

2) Pushrod

- › K19013-15110 x8

3) Cam Bushing**1) Thermostat**

- › K19434-73014

2) Switch, Thermostat**Valve, Intake**

- › K16484-13110 x4

Valve, Exhaust

- › K16419-13120 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

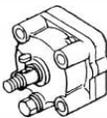
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

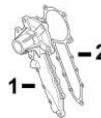
- › K15221-13980 x16

**Oil Pump**

- › K15471-35013

**Fuel Lift Pump**

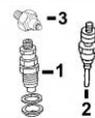
- › K17121-52030

**1) Water Pump**

- › K1E017-73030 1

2) Gasket, Water Pump

- › K15766-73430

**1) Injector**

- › K16454-53900 1
- › K16419-53900 1

2) Glow Plug

- › K19077-65510

3) Oil Switch

- › K15841-39010

**1) Repair Sleeve**

- › 83RS

2) Turbocharger

- › K1G622-17016 1
- › K1J700-17012 1

(1): Check application for proper usage.

KUBOTA 03 SERIES V2003-T INDIRECT INJECTION

Engine Series:
03

Engine Model:
V2003-T-EBB
/ V2003-T-BG

Engine Desc:
V2003-T-E2B
/ V2003-T-
E2BG

Engine Data:
Indirect
Injection
Screw-in fuel
injector
Fuel solenoid
on injection
pump
Crankshaft
Main Journal
OD: 60mm

Engine Info:
4 Cyl

**Engine
Dimensions:**
Bore: 3.268 in /
83 mm Stroke:
3.638 in / 92.4
mm

Thomas
T185 - Skid
Steer Loader
T205 - Skid
Steer Loader

Toro
Groundsmaster
4100D - Rotary
Mower

Bobcat
773 500K -
Wheel Skid
Steer Loader
S185 (2002) -
Wheel Skid
Steer Loader
S160 (2002) -
Compact
Track Loader
331 (2000) -
Midi Excavator
341 (2000) -
Midi Excavator
337 (2001) -
Mini Excavator
T180 - Skid
Steer Loader
T190 - Skid
Steer Loader



Engine O/H Kit

- › KV2003TW Std.
- › KV2003TW/50 0.50 mm



1) Piston & Ring Kit

- › K16483-21770 Std.
- › K16483-21780 0.50 mm

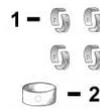
Use 4

2) Piston

- › K16483-21110 Std.
- › K16483-21910 0.50 mm

3) Ring Set

- › K1G610-21050 Std.
- › K1G610-21090 0.50 mm



1) Main Bearing

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs

2) Front Crank Bushing

- › K1A091-23470 Std.
- › K1A091-23910 0.20 mm
- › K1A091-23920 0.40 mm

Use 1



1) Con Rod Bearing

- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs

2) Kit Metal, Engine

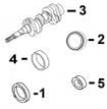
- › K1G856-23570 Std.
- › K1G856-23760 0.20 mm
- › K1G856-23770 0.40 mm



Thrust Washer

- › K1A091-23530/40 Std.
- › K1A091-23950/70 0.20 mm
- › K1A091-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

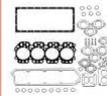
- › K16641-23020

4) Rear Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250



1) Top Gasket Set

- › K1G970-99350

2) Bottom Gasket Set

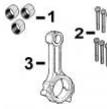
- › K1G974-99362

3) Head Gasket

- › K1E013-03312

4) Rocker Cover Gasket

- › K15471-14520



1) Bushing, Con Rod

- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010



1) Tappet

- › K15601-15550 x8

2) Pushrod

- › K19013-15110 x8

3) Cam Bushing



1) Thermostat

- › K19434-73014

2) Switch, Thermostat

Valve, Intake

- › K16484-13110 x4

Valve, Exhaust

- › K16419-13120 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

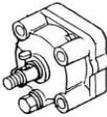
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16



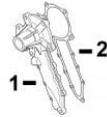
Oil Pump

- › K15471-35013



Fuel Lift Pump

- › K17121-52030



1) Water Pump

- › K1E017-73030 (1)
- 2) Gasket, Water Pump**
- › K15766-73430



1) Injector

- › K16454-53900 (1)
- › K16419-53900 (1)
- 2) Glow Plug**
- › K19077-65510
- 3) Oil Switch**
- › K15841-39010



1) Repair Sleeve

- › 83RS (1)
- 2) Turbocharger**
- › K1G622-17016

(1): Check application for proper usage.

KUBOTA 03 SERIES V2203-M-DI / V2403-M-DI DIRECT INJECTION

Engine Series:
03

Engine Model:
V2203-M-DI /
V2403-M-DI

Engine Desc:
V2203-M-DI-
E2B / V2403-M-
DI-E2B /
V2403-M-DI-
E3B

Engine Data:
Direct Injection
Pencil fuel
injector
Fuel solenoid
on front cover
Crankshaft
Main Journal
OD: 60mm

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.425 in /
87 mm V2203
Stroke: 3.638 in
/ 92.4 mm
V2403 Stroke:
4.016 in / 102
mm

Bobcat
331E - Mini
Excavator
334 - Mini
Excavator
335 - Mini
Excavator
430ZHS -
Compact
Excavator
430ZHS FAST
TRACK -
Compact
Excavator
430ZHS
CONV. -
Compact
Excavator
5600 - Toolcat
S130 - Skid
Steer Loader
S150 - Skid
Steer Loader
S175 - Skid
Steer Loader
S185 - Skid
Steer Loader
S205 - Skid
Steer Loader
S510 - Skid
Steer Loader
T140 - Multi
Terrain Loader
T190 - Multi
Terrain Loader
S530 - Skid
Steer Loader
S450 - Skid
Steer Loader



Engine O/H Kit

- › KV2203MDIW Std. **1**
- › KV2203MDIW/25 0.25 **1**
mm



1) Piston & Ring Kit

- › K1G796-21772 Std.
- › K1G796-21782 0.25 mm

Use 4

- 2) Piston**
 - › K1G796-21112 Std.
 - › K1G796-21902 0.25 mm
- 3) Ring Set**
 - › K1G790-21053 Std.
 - › K1G790-21092 0.25 mm



1) Main Bearing

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs

- 2) Front Crank Bushing**
 - › K1A091-23470 Std.
 - › K1A091-23910 0.20 mm
 - › K1A091-23920 0.40 mm
- Use 1**



2) Con Rod Bearing

- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

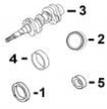
Use 4 Pairs

- 2) Kit Metal, Engine**
 - › K1G856-23750 Std.
 - › K1G856-23760 0.20 mm
 - › K1G856-23770 0.40 mm



Thrust Washer

- › K1A091-23530/40 Std.
 - › K1A091-23950/70 0.20 mm
 - › K1A091-23960/80 0.40 mm
- Set of 2 Pairs**



1) Front Seal

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

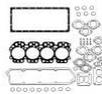
- › K16641-23020

4) Rear Crank Bushing

- › K19202-23280

5) Front Crank Collar

- › K19202-23250



1) Top Gasket Set

- › K1G465-99350 **1**

2) Bottom Gasket Set

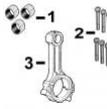
- › K1G486-99360

3) Head Gasket

- › K1G790-03602 1.15 notch
- › K1G790-03310 1.20 notch
- › K1G790-03612 1.25 / 2 **1**
- › K1G790-03622 1.30 / 3 **1**
- › K1G790-03632 1.35 / 4 **1**
- › K1G790-03632 1.35 / 4 notch **1**

4) Rocker Cover Gasket

- › K1G911-14523



1) Bushing, Con Rod

- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010



1) Tappet

- › K15601-15550 x8

2) Pushrod

- › K1A091-15110 x8

3) Camshaft



1) Thermostat

- › K1A021-73010

2) Gasket, Thermostat

Valve, Intake

- › K1G852-13112 x4

Valve, Exhaust

- › K1G852-13122 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

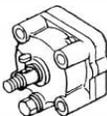
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16



1) Oil Pump

- › K15471-35013

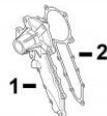
2) Oil Cooler

- › K1G896-37012 **3**



Fuel Lift Pump

- › K17121-52030



1) Water Pump

- › K1G730-73035 **2**
- › K1A021-73030 **2**

2) Water Pump Gasket

- › K1A051-73430 **4**
- › K1A021-73430 **5**



1) Injector

- › K1G796-53000 x4

2) Glow Plug

- › K1G852-65510 x4

3) Switch, Oil

- › K15841-39010



Repair Sleeve

- › 87RS

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(3): Donut style, 7 plates, ports are 120° apart

(4): Water Pump Gasket for K1G730-73035.

(5): Water Pump Gasket for K1A021-73030.

KUBOTA 03 SERIES V2203 INDIRECT INJECTION

Engine Series:
03

Engine Model:
V2203

Engine Desc:
V2203-BG

Engine Data:
Indirect Injection
Screw-in fuel injector.
Crankshaft Main Journal OD: 52mm

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.425 in / 87 mm Stroke: 3.638 in / 92.4 mm

Please see page 657 for a complete list of equipment models.



Engine O/H Kit

- KV2203N Std.
- KV2203N/50 0.50 mm



1) Piston & Ring Kit

- K19077-21772 Std.
- K19077-21782 0.50 mm

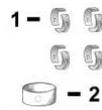
Use 4

2) Piston

- K19077-21112 Std.
- K19077-21912 0.50 mm

3) Ring Set

- K17331-21050 Std.
- K17331-21090 0.50 mm



1) Main Bearing

- K17311-23480 Std.
- K17311-23930 0.20 mm
- K17311-23940 0.40 mm

Use 4 Pairs

2) Front Crank Bushing

- K17311-23470 Std.
- K17311-23910 0.20 mm
- K17311-23920 0.40 mm

Use 1



1) Con Rod Bearing

- K17311-22310 Std.
- K17311-22970 0.20 mm
- K17311-22980 0.40 mm

Use 4 Pairs

2) Kit Metal, Engine

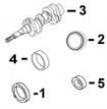
- K07916-28000 Std.
- K07916-28740 0.20 mm
- K07916-28752 0.40 mm



Thrust Washer

- K15521-23530/40 Std.
- K15521-23950/70 0.20 mm
- K15521-23960/80 0.40 mm

Set of 2 Pairs



1) Front Seal

- K19202-04140

2) Rear Seal

- K19202-04460

3) Crankshaft

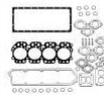
- K16641-23010

4) Rear Crank Bushing

- K19202-23280

5) Front Crank Collar

- K19202-23250



1) Top Gasket Set

- K07916-29505

2) Bottom Gasket Set

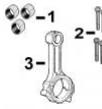
- K07916-29515

3) Head Gasket

- K19077-03310

4) Rocker Cover Gasket

- K15471-14520



1) Bushing, Con Rod

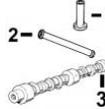
- K17331-21980 x4

2) Bolt, Con Rod

- K1J700-22140 x8

3) Connecting Rod

- K17311-22010



1) Tappet

- K15601-15550 x8

2) Pushrod

- K19013-15110 x8

3) Camshaft

- K17343-16010



1) Thermostat

- K19434-73014

2) Thermostat Gasket

- K16221-73270

Valve, Intake

- K16484-13110 x4

Valve, Exhaust

- K16484-13120 x4

Guide, Valve Intake

- K17321-13580 x4

Guide, Valve Exhaust

- K17321-13560 x4

Spring, Valve

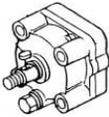
- K15221-13240 x8

Seal, Valve

- K15221-13153 x8

Lock, Valve

- K15221-13980 x16



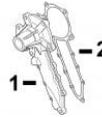
Oil Pump

- K15471-35013



Fuel Lift Pump

- K17121-52030
- K16604-52032



1) Water Pump

- K15521-73035

2) Gasket, Water Pump

- K15766-73430



1) Injector

- K16454-53900 x4

2) Glow Plug

- K19077-65510 x4

3) Switch, Oil

- K15841-39010

4) Cylinder Head

- K19077-03048UF **1**



Repair Sleeve

- 87RS

(1): Check application for proper usage.

KUBOTA 03 SERIES V2203-E2B INDIRECT INJECTION

Engine Series:

03

Engine Model:

V2203-E2B

Engine Desc:

V2203-E2BG

Engine Data:

Indirect Injection
Screw-in fuel injector.
Crankshaft Main Journal OD: 60mm

Engine Info:

4 Cyl

Engine**Dimensions:**

Bore: 3.425 in / 87 mm Stroke: 3.638 in / 92.4 mm

Bobcat

331 - Midi Excavator
334 - Mini Excavator
337 - Mini Excavator
341 - Midi Excavator
763H - Skid Steer Loader
773 - Skid Steer Loader
5600 - Toolcat
7753 - Skid Steer Loader
B300 - Backhoe Loader
D300 - Skid Steer Loader
S175 (2002) - Skid Steer Loader
S150 (2002) - Skid Steer Loader
S185 - Skid Steer Loader

Kubota

L4300 - Tractor
L4310 - Tractor
KX121 - Mini Excavator
KX161 - Mini Excavator
KJ-T210VX - Generator

**Engine O/H Kit**

- KV2203W Std.
- KV2203W/50 0.50 mm

**Piston & Ring Kit**

- K19077-21772 Std.
- K19077-21782 0.50 mm

Use 4**2) Piston**

- K19077-21112 Std.
- K19077-21912 0.50 mm

3) Ring Set

- K17331-21050 Std.
- K17331-21090 0.50 mm

**Main Bearing**

- K1A091-23480 Std.
- K1A091-23930 0.20 mm
- K1A091-23940 0.40 mm

Use 4 Pairs**2) Frt. Crank Bushing**

- K1A091-23470 Std.
- K1A091-23910 0.20 mm
- K1A091-23920 0.40 mm

Use 1**Con Rod Bearing**

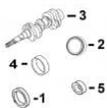
- K17311-22310 Std.
- K17311-22970 0.20 mm
- K17311-22980 0.40 mm

Use 4 Pairs**Kit Metal, Engine**

- K1G856-23750 Std.
- K1G856-23760 0.20 mm
- K1G856-23770 0.40 mm

**Thrust Washer**

- K1A091-23530/40 Std.
- K1A091-23950/70 0.20 mm
- K1A091-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K19202-04140

2) Rear Seal

- K19202-04460

3) Crankshaft

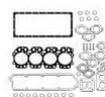
- K16641-23020

4) R. Crank Bushing

- K19202-23280

5) Frt. Crank Collar

- K19202-23250

**1) Top Gasket Set**

- K1G975-99350

2) Bottom Gasket Set

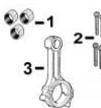
- K1G486-99360

3) Head Gasket

- K19077-03310

4) Rocker Cvr. Gasket

- K1G911-14520

**1) Bushing, Con Rod**

- K17331-21980 x4

2) Bolt, Con Rod

- K1J700-22140 x8

3) Connecting Rod

- K17311-22010

**1) Tappet**

- K15601-15550 x8

2) Pushrod

- K19013-15110 x8

3) Camshaft

- K17343-16010

**1) Thermostat**

- K19434-73014

2) Thermostat Gasket

- K16221-73270

Valve, Intake

- K16484-13110 x4

Valve, Exhaust

- K16484-13120 x4

Guide, Valve Intake

- K17321-13580 x4

Guide, Valve Exh.

- K17321-13560 x4

Spring, Valve

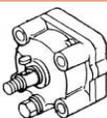
- K15221-13240 x8

Seal, Valve

- K15221-13153 x8

Lock, Valve

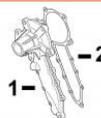
- K15221-13980 x16

**Oil Pump**

- K15471-35013

**Fuel Lift Pump**

- K17121-52030
- K16604-52032

**1) Water Pump**

- K15521-73035

2) Gasket. water pump

- K15766-73430

**1) Injector**

- K16454-53900 x4

2) Glow Plug

- K19077-65510 x4

3) Switch, Oil

- K15841-39010

4) Cylinder Head

- K19077-03048UF **1**

**Repair Sleeve**

- 87RS

(1): Check application for proper usage.

KUBOTA 03 SERIES V2203-M / V2403-M INDIRECT INJECTION

Engine Series:

03

Engine Model:V2203-M /
V2403-M**Engine Desc:**V2203-M-E2B
/ V2203-M-
E3B / V2203-
M-E3BG /
V2403-M-E2B
/ V2403-M-
E3B / V2403-
M-E3BG**Engine Data:**Indirect
Injection
Screw-in fuel
injector.
Fuel solenoid
on front cover
Crankshaft
Main Journal
OD: 60mm**Engine Info:**

4 Cyl

Engine**Dimensions:**Bore: 3.425 in /
87 mm Stroke:
3.638 in / 92.4
mm 4.016 in /
102 mm**Engine O/H Kit**

- › KV2203MW Std. **1**
- › KV2203MW/25 0.25 mm **1**

**Piston & Ring Kit**

- › K1G466-21772 Std.
- › K1G466-21782 0.25 mm

Use 4**2) Piston**

- › K1G466-21110 Std.
- › K1G466-21900 0.25 mm

3) Ring Set

- › K1A091-21050 Std.
- › K1A091-21090 0.25 mm

**Main Bearing**

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs**2) Frt. Crank Bushing**

- › K1A091-23470 Std.
- › K1A091-23910 0.20 mm
- › K1A091-23920 0.40 mm

Use 1**Con Rod Bearing**

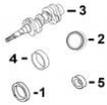
- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs**Kit Metal, Engine**

- › K1G856-23750 Std.
- › K1G856-23760 0.20 mm
- › K1G856-23770 0.40 mm

**Thrust Washer**

- › K1A091-23530/40 Std.
- › K1A091-23950/70 0.20 mm
- › K1A091-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

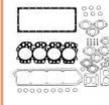
- › K16641-23020

4) R. Crank Bushing

- › K19202-23280

5) Frt. Crank Collar

- › K19202-23250

**1) Top Gasket Set**

- › K1G465-99350 **1**

2) Bottom Gasket Set

- › K1G486-99360

3) Head Gasket

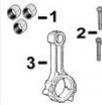
- › K1G790-03602 1.15
- › K1G790-03310 1.20
- › K1G790-03612 1.25 / 2 **1**

- › K1G790-03622 1.30 / 3 **1**
- › K1G790-03632 1.35 / 4 **1**

- › K1G790-03612 1.25 / 2 **1**
- › K1G790-03622 1.30 / 3 **1**
- › K1G790-03632 1.35 / 4 **1**

4) Rocker Cvr. Gasket

- › K1G911-14523

**1) Bushing, Con Rod**

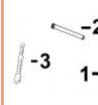
- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010

**1) Tappet**

- › K15601-15550 x8

2) Pushrod

- › K1A091-15110 x8

3) Camshaft**1) Thermostat**

- › K1A021-73010

2) Gasket, Thermostat**Kubota**L4400DT -
Compact Utility
Tractor
L4740 - Loader
L5240 -
Compact Utility
Tractor**Valve, Intake**

- › K16484-13110 x4

Valve, Exhaust

- › K16484-13120 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

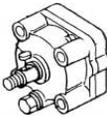
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16

AusaC200H - Forklift
C250H - Forklift
C300H - Forklift
D250A -
Dumper
D350A -
Dumper
D400A -
Dumper
T204H -
Telehandler
T235H -
Telehandler
BD202HL -
Sweeper**1) Oil Pump**

- › K15471-35013

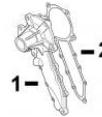
2) Oil Cooler

- › K1G896-37012 **3**

**Fuel Lift Pump**

- › K17121-52030 **2**

- › K16604-52032 **2**

**1) Water Pump**

- › K1G730-73035 **2**

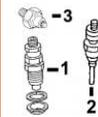
- › K1A051-73032 **2**

- › K1A021-73030 **2**

2) Water Pump Gasket

- › K1A051-73430 **4**

- › K1A021-73430 **5**

**1) Injector**

- › K16454-53900 **2**

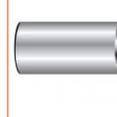
- › K16419-53900 **2**

2) Glow Plug

- › K19077-65510

3) Switch, Oil

- › K15841-39010

**Repair Sleeve**

- › 87RS

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.**(3):** Donut style, 7 plates, ports are 120° apart**(4):** Water Pump Gasket for K1G730-73035 and K1A051-73032**(5):** Water Pump Gasket for K1A021-73030.**KUBOTA 03 SERIES V2403-M-DI-T DIRECT INJECTION**

Engine Series:

03

Engine Model:

V2403-M-DI-T

Engine Data:

Direct Injection
Pencil fuel injector.
Fuel solenoid on front cover
Crankshaft Main Journal OD: 60mm

Engine Info:

4 Cyl

Engine Dimensions:

Bore: 3.425 in / 87 mm
Stroke: 4.016 in / 102 mm

Bobcat

S205 - Skid Steer Loader
T190 - Multi Terrain Loader

**Engine O/H Kit**

- KV2403MDITW Std. **1**
- KV2403MDITW/25 0.25 mm **1**

**Piston & Ring Kit**

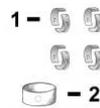
- K1G924-21772 Std. **1**
- K1G924-21782 0.25 mm **1**

Use 4

- 2) **Piston**
- K1G924-21112 Std.
- K1G924-21902 0.25 mm

3) Ring Set

- K1G924-21052 Std.
- K1G924-21090 0.25 mm

**Main Bearing**

- K1A091-23480 Std.
- K1A091-23930 0.20 mm
- K1A091-23940 0.40 mm

Use 4 Pairs**2) Frt. Crank Bushing**

- K1A091-23470 Std.
- K1A091-23910 0.20 mm
- K1A091-23920 0.40 mm

Use 1**Con Rod Bearing**

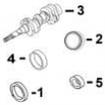
- K17311-22310 Std.
- K17311-22970 0.20 mm
- K17311-22980 0.40 mm

Use 4 Pairs**Kit Metal, Engine**

- K1G856-23750 Std.
- K1G856-23760 0.20 mm
- K1G856-23770 0.40 mm

**Thrust Washer**

- K1A091-23530/40 Std.
- K1A091-23950/70 0.20 mm
- K1A091-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K19202-04140

2) Rear Seal

- K19202-04460

3) Crankshaft

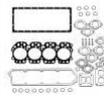
- K1G851-23012

4) R. Crank Bushing

- K19202-23280

5) Frt. Crank Collar

- K19202-23250

**1) Top Gasket Set**

- K1G465-99350 **1**

2) Bottom Gasket Set

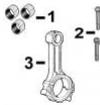
- K1G486-99360

3) Head Gasket

- K1G790-03602 1.15
- K1G790-03310 1.20
- K1G790-03612 1.25 / 2 **1**
- notch
- K1G790-03622 1.30 / 3 **1**
- notch
- K1G790-03632 1.35 / 4 **1**
- notch

4) Rocker Cvr. Gasket

- K1G911-14523

**1) Bushing, Con Rod**

- K1G924-21980

2) Bolt, Con Rod

- K1J700-22140 x8

3) Connecting Rod

- K1G924-22010

**1) Tappet**

- K15601-15550 x8

2) Pushrod

- K1A091-15110 x8

3) Camshaft**1) Thermostat**

- K1G924-73010

2) Gasket, Thermo**Valve, Intake**

- K1G852-13112 x4

Valve, Exhaust

- K1G852-13122 x4

Guide, Valve Intake

- K17321-13580 x4

Guide, Valve Exh.

- K17321-13560 x4

Spring, Valve

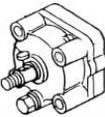
- K1G896-13240 x8

Seal, Valve

- K15221-13153 x8

Lock, Valve

- K15221-13980 x16

**Oil Pump**

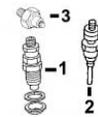
- 1) K15471-35013 **2**
- 2) **Oil Cooler**
- K1G896-37012 **3**

**1) Fuel Lift Pump**

- K17121-52030

**1) Water pump**

- K1G730-73035 **2**
- K1A021-73030 **2**
- 2) **Water Pump Gasket**
- K1A051-73430 **4**
- K1A021-73430 **5**

**1) Injector**

- K1G924-53000 x4

2) Glowplug

- K1G852-65510 x4

3) Switch, Oil

- K15841-39010

**Liner**

- 87RS
- 2) **Turbocharger**
- K1G924-17012

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(3): Donut style, 7 plates, ports are 120° apart

(4): Water Pump Gasket for K1G730-73035.

(5): Water Pump Gasket for K1A021-73030.

KUBOTA 03 SERIES V2403-M-T-E3B DIRECT INJECTION

Engine Series:

03

Engine Model:

V2403-M-T-E3B

Engine Data:

Direct Injection
Pencil fuel injector.
Fuel solenoid on front cover
Crankshaft
Main Journal OD: 60mm

Engine Info:

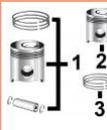
4 Cyl

Engine**Dimensions:**

Bore: 3.425 in / 87 mm
Stroke: 4.016 in / 102 mm

**Engine O/H Kit**

- › KV2403MTW Std. 1
- › KV2403MTW/25 0.25 mm 1

**Piston & Ring Kit**

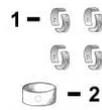
- › K1J403-21772 Std.
- › K1J403-21782 0.25 mm

Use 4**2) Piston**

- › K1J403-21110 Std.
- › K1J403-21900 0.25 mm

3) Ring Set

- › K1G924-21052 Std.
- › K1G924-21090 0.25 mm

**Main Bearing**

- › K1A091-23480 Std.
- › K1A091-23930 0.20 mm
- › K1A091-23940 0.40 mm

Use 4 Pairs**2) Frt. Crank Bushing**

- › K1A091-23470 Std.
- › K1A091-23910 0.20 mm
- › K1A091-23920 0.40 mm

Use 1**Con Rod Bearing**

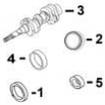
- › K17311-22310 Std.
- › K17311-22970 0.20 mm
- › K17311-22980 0.40 mm

Use 4 Pairs**Kit Metal, Engine**

- › K1G856-23750 Std.
- › K1G856-23760 0.20 mm
- › K1G856-23770 0.40 mm

**Thrust Washer**

- › K1A091-23530/40 Std.
- › K1A091-23950/70 0.20 mm
- › K1A091-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- › K19202-04140

2) Rear Seal

- › K19202-04460

3) Crankshaft

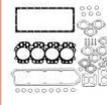
- › K16641-23020

4) R. Crank Bushing

- › K19202-23280

5) Frt. Crank Collar

- › K19202-23250

**1) Top Gasket Set**

- › K1G465-99350 1

2) Bottom Gasket Set

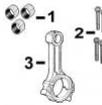
- › K1G486-99360

3) Head Gasket

- › K1G790-03602 1.15
- › K1G790-03310 1.20
- › K1G790-03612 1.25 / 2 1
- notch
- › K1G790-03622 1.30 / 3 1
- notch
- › K1G790-03632 1.35 / 4 1
- notch

4) Rocker Cover Gasket

- › K1G911-14523

**1) Bushing, Con Rod**

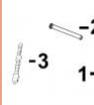
- › K17331-21980 x4

2) Bolt, Con Rod

- › K1J700-22140 x8

3) Connecting Rod

- › K17311-22010

**1) Tappet**

- › K15601-15550 x8

2) Pushrod

- › K1A091-15110 x8

3) Camshaft**1) Thermostat**

- › K1A021-73010

2) Gasket, Thermo**Valve, Intake**

- › K1G852-13112 x4

Valve, Exhaust

- › K1G852-13122 x4

Guide, Valve Intake

- › K17321-13580 x4

Guide, Valve Exhaust

- › K17321-13560 x4

Spring, Valve

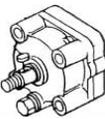
- › K15221-13240 x8

Seal, Valve

- › K15221-13153 x8

Lock, Valve

- › K15221-13980 x16

**1) Oil Pump**

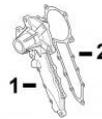
- › K15471-35013

2) Oil Cooler

- › K1G896-37012 3

**Fuel Lift Pump**

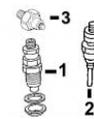
- › K17121-52030

**1) Water Pump**

- › K1G730-73035 2
- › K1A021-73030 2

2) Water Pump Gasket

- › K1A051-73430 4
- › K1A021-73430 5

**1) Injector**

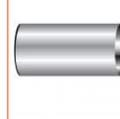
- › x4

2) Glowplug

- › K1G852-65510 x4

3) Switch, Oil

- › K15841-39010

**Repair Sleeve**

- › 87RS

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(3): Donut style, 7 plates, ports are 120° apart

(5): Water Pump Gasket for K1A021-73030.

(4): Water Pump Gasket for K1G730-73035.

KUBOTA V2607 DIRECT INJECTION

Engine Series:
07

Engine Model:
V2607-DI-E3B

Engine Data:
Direct Injection

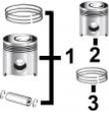
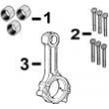
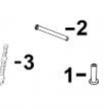
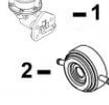
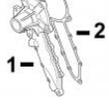
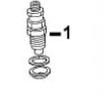
Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.43 in / 87 mm
Stroke: 4.33 in / 110 mm

Kubota

KX057-4 - Excavator
S185 - Skid Steer

U55 - Excavator

 <p>Engine O/H Kit • KV2607DI Std. 1 • KV2607DI/25 0.25 mm 1</p>	 <p>1) Piston & Ring Kit • K1J701-21772 Std. • K1J701-21782 0.25 mm 2) Piston • K1J701-21112 Std. • K1J701-21902 0.25 mm 3) Ring Set • K1J700-21050 Std. • K1J700-21090 0.25 mm</p>	 <p>Main Bearing • K1J700-23470 Std. • K1J700-23910 0.20 mm • K1J700-23920 0.40 mm 5 pairs per engine</p>	 <p>Con Rod Bearing • K1J700-22310 Std. • K1J700-22970 0.20 mm • K1J700-22980 0.40 mm 4 pairs per engine</p>	 <p>Thrust Washer Set • K1J700-23530/40 Std. • K1J700-23950/70 0.20 mm • K1J700-23960/80 0.40 mm Set of 2 Pairs</p>
 <p>1) Crankshaft • K1J700-23010 2) Front Seal • K1C020-04140 3) Rear Seal • K1J700-04460</p>	 <p>Top Gasket Set • K1J700-99350 1 Bottom Gasket Set • K1J700-99362 3 Head Gasket • K1J700-03310 1.1 mm • K1J700-03320 1.2 mm • K1J700-03330 1.3 mm Rocker Cover Gasket • K1J700-14520</p>	 <p>1) Bushing, Con Rod • K1J700-21980 x8 2) Bolt, Con Rod • K1J700-22140 x8 3) Connecting Rod • K1J700-22012</p>	 <p>1) Tappet • 2) Pushrod</p>	 <p>1) Thermostat • K1G772-73010 2) Temp, Sensor</p>
<p>Valve, Intake • K1J700-13110</p>	<p>Valve, Exhaust • K1J700-13120</p>	<p>Guide, Valve Intake • K1J700-13540 Guide, Valve Exh. • K1J700-13560</p>	<p>Spring, Valve • K1J700-13240 Seal, Valve • K1C010-13150</p>	<p>Switch, Oil Pressure • K15841-39010</p>
 <p>Oil Pump Rotor Set • K1J700-35480/90</p>	 <p>1) Fuel Lift Pump • K1J710-52030 2) Oil Cooler • K1J700-37012</p>	 <p>1) Water Pump • K1J700-73030 2) Water Pump Gasket • K1J700-73430</p>	 <p>1) Glow Plug • K1J700-65510 x4 2) Seals, Glow Plug • K1G772-65500</p>	 <p>1) Injector • K1J700-53000</p>

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(3): Includes crankshaft seals

(2): Donut style, 8 plates, ports are 90° apart

KUBOTA V2607 DIRECT INJECTION TURBOCHARGED

Engine Series:
07

Engine Model:
V2607-DI-T-E3B

Engine Data:
Direct Injection,
Turbocharged

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.43 in / 87 mm
Stroke: 4.33 in / 110 mm

BOBCAT:

S160
S205
S570
T180
T550

S185
S550
S590
T190
T590

KUBOTA:

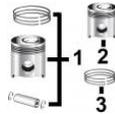
U55
R082

U48
KX057-4



Engine O/H Kit

- KV2607DIT Std. **1**
- KV2607DIT/25 0.25 mm **1**



1) Piston & Ring Kit

- K1J700-21772 Std.
- K1J700-21782 0.25 mm

2) Piston

- K1J700-21110 Std.
- K1J700-21903 0.25 mm

3) Ring Set

- K1J700-21050 Std.
- K1J700-21090 0.25 mm



Main Bearing

- K1J700-23470 Std.
- K1J700-23910 0.20 mm
- K1J700-23920 0.40 mm

5 Pairs per engine



Con Rod Bearing

- K1J700-22310 Std.
- K1J700-22970 0.20 mm
- K1J700-22980 0.40 mm

4 Pairs per engine



Thrust Washer Set

- K1J700-23530/40 Std.
- K1J700-23950/70 0.20 mm
- K1J700-23960/80 0.40 mm

Set of 2 Pairs



1) Crankshaft

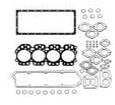
- K1J700-23010

2) Front Seal

- K1C020-04140

3) Rear Seal

- K1J700-04460



Top Gasket Set

- K1J700-99350 **1**

Bottom Gasket Set

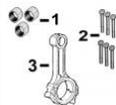
- K1J700-99362 **3**

Head Gasket

- K1J700-03310 1.1 mm
- K1J700-03320 1.2 mm
- K1J700-03330 1.3 mm

Rocker Cover Gasket

- K1J700-14520



1) Bushing, Con Rod

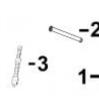
- K1J700-21980 x8

2) Bolt, Con Rod

- K1J700-22140 x8

3) Connecting Rod

- K1J700-22012



1) Tappet

- K1J772-15550 x8

2) Pushrod

- K1J700-15110 x8



1) Thermostat

- K1G772-73010

2) Temp. Sensor

Valve, Intake

- K1J700-13110 x8

Valve, Exhaust

- K1J700-13120 x8

Guide, Valve Intake

- K1J700-13540

Guide, Valve Exh.

- K1J700-13560

Spring, Valve

- K1J700-13240 x16

Seal, Valve

- K11420-13150

Switch, Oil Pressure

- K15841-39010



Oil Pump Rotor Set

- K1J700-35480/90

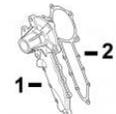


1) Fuel Lift Pump

- K1J710-52030

2) Oil Cooler

- K1J700-37012



1) Water Pump

- K1J700-73030

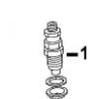
2) Water Pump Gasket

- K1J700-73430



1) Glow Plug

- K1J700-65510 x4



1) Injector

- K1J700-53000

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(3): Includes crankshaft seals

(2): Donut style, 8 plates, ports are 90° apart

KUBOTA V3 SERIES V3300 INDIRECT INJECTION

Engine Series:

V3

Engine Model:

V3300 V3300-E2B

Engine Desc:

V3300-BG / V3300-E2BG / V3300-E3BG / V3300-T-E2B

Engine Data:Indirect Injection
Screw-in fuel injector**Engine Info:**

4 Cyl

Engine**Dimensions:**Bore: 3.858 in / 98 mm
Stroke: 4.331 in / 110 mm**Kubota**

M8200 - Tractor

**Engine O/H Kit**

- KV3300 Std.
- KV3300/50 0.50 mm

**1) Piston & Ring Kit**

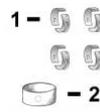
- K1G563-21772 Std.
- K1G563-21792 0.50 mm

Use 4

- K1C041-21110 Std.
- K1C041-21910 0.50 mm

3) Ring Set

- K1C011-21050 Std.
- K1C011-21090 0.50 mm

**Main Bearing**

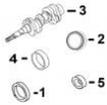
- K1C020-23470 Std.
- K1C020-23910 0.20 mm
- K1C020-23920 0.40 mm

Use 5 Pairs**Con Rod Bearing**

- K1C020-22312 Std.
- K1C020-22962 0.20 mm
- K1C020-22972 0.40 mm

Use 4 Pairs**Thrust Washer**

- K1C010-23530/40 Std.
- K1C010-23950/70 0.20 mm
- K1C010-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K1C020-04140

2) Rear Seal

- K1C010-04460

3) Crankshaft

- K1C020-23012

4) Rear Crank Bushing

- K1C020-23300

**1) Top Gasket Set**

- K1G563-99350

2) Bottom Gasket Set

- K1G533-99360

3) Head Gasket

- K1C020-03312 0.80 / 2

notch

- K1C020-03602 0.90 / 1

notch

- K1C020-03612 0.95 / 0

notch

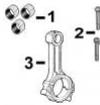
4) Rocker Cover Gasket

- K1C010-14520

- K1C020-14520

5) Liquid Gasket

- K70000-73764

**1) Bushing, Con Rod**

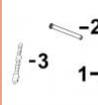
- K1C010-21980 x8

2) Bolt, Con Rod

- K1C010-22142 x8

3) Connecting Rod

- K1C020-22014

**1) Tappet**

- K15601-15550 x8

2) Pushrod

- K1C010-15110 x8

3) Camshaft**1) Thermostat**

- K1C011-73010

2) Gasket, Thermostat**Valve, Intake**

- K1C010-13110 x8

Valve, Exhaust

- K1C010-13120 x4

Guide, Valve - Intake

- K16261-13540 x8

Guide, Valve - Exhaust

- K17321-13560 x4

Lock, Intake Valve

- K15261-13980 x16

Lock, Exhaust Valve

- K15221-13980 x8

Spring, Valve - Exhaust

- K15221-13240 x4

Spring, Valve - Intake

- K1C010-13240 x8

Seal, Valve - Intake

- K15221-13153 x4

Seal, Valve - Exhaust

- K15221-13153 x4

**Oil Pump Kit (Rotor Set)**

- K1C010-35070

**Fuel Lift Pump**

- K1C010-52030

**1) Water Pump**

- K1C010-73032

2) Water Pump Gasket

- K1C010-73430

**1) Injector**

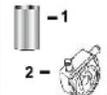
- K1C010-53900 x4

2) Glow Plug

- K16415-65510 x4

3) Switch, Oil

- K15841-39010

**1) Repair Sleeve**

- 98RS

2) Oil Cooler

- K1J550-37010

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately. (2): Check application for proper usage.

KUBOTA V3 SERIES V3300-DI DIRECT INJECTION

Engine Series:

V3

Engine Model:V3300-DI
V3300-DI-T**Engine Desc:**V3300-DI-B /
V3300-DI-TB
/ V3300-DI-
E2B / V3300-
DI-T-E2B**Engine Data:**Direct Injection
Pencil fuel
injector**Engine Info:**

4 Cyl

Engine**Dimensions:**Bore: 3.858 in /
98 mm Stroke:
4.331 in / 110
mm**Bobcat**A300 - Skid
Steer Loader
S220 - Skid
Steer Loader
S250 - Skid
Steer Loader
S300 - Skid
Steer Loader
T250 - Multi
Terrain Loader
T300 - Multi
Terrain Loader**Engine O/H Kit**

- KV3300DI Std. **1**
- KV3300DI/50 0.50 mm **1**

**1) Piston & Ring Kit**

- K1G556-21774 Std.
- K1G556-21794 0.50 mm

Use 4**2) Piston**

- K1G557-21110 Std.
- K1G557-21910 0.50 mm

3) Ring Set

- K1C020-21050 Std.
- K1C020-21090 0.50 mm

**Main Bearing**

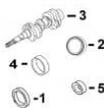
- K1C020-23470 Std.
- K1C020-23910 0.20 mm
- K1C020-23920 0.40 mm

Use 5 Pairs**Con Rod Bearing**

- K1C020-22312 Std.
- K1C020-22962 0.20 mm
- K1C020-22972 0.40 mm

Use 4 Pairs**Thrust Washer**

- K1C010-23530/40 Std.
- K1C010-23950/70 0.20 mm
- K1C010-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K1C010-04140

2) Rear Seal

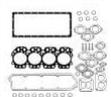
- K1C010-04460

3) Crankshaft

- K1C050-23010

4) Rear Crank Bushing

- K1C020-23300

**1) Top Gasket Set**

- K1G556-99352 **1**

2) Bottom Gasket Set

- K1G526-99360

3) Head Gasket

- K1C020-03312 0.80 / 2

notch

- K1C020-03602 0.90 / 1

notch

- K1C020-03612 0.95 / 0

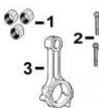
notch

4) Rocker Cover Gasket

- K1C010-14520
- K1C020-14520

5) Liquid Gasket

- K70000-73764

**1) Bushing, Con Rod**

- K1C010-21980 x4

2) Bolt, Con Rod

- K1C010-22142 x8

3) Connecting Rod

- K1C020-22014

**1) Tappet**

- K15601-15550 x8

2) Pushrod

- K1C010-15110 x8

3) Camshaft**1) Thermostat**

- K1C011-73010

2) Gasket, Thermostat**Valve, Intake**

- K1C020-13110 x8

Valve, Exhaust

- K1C020-13120 x8

Guide, Valve Intake

- K16261-13540 x8

Guide, Valve Exhaust

- K16261-13560 x8

Spring, Valve

- K1C010-13240 x16

Seal, Valve - Intake

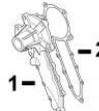
- K1C010-13150 x16

**Oil Pump Kit (Rotor Set)**

- K1C010-35070

**Fuel Lift Pump**

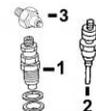
- K1C010-52030

**1) Water Pump**

- K1C010-73032

2) Water Pump Gasket

- K1C010-73430

**1) Injector**

- K1G557-53000 x4

2) Glow Plug

- K15841-39010

3) Switch, Oil

- K15841-39010

**1) Repair Sleeve**

- 98RS

2) Oil Cooler

- K1J550-37010 **2**

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.**(2):** Check application for proper usage.**KUBOTA V3307 DIRECT INJECTION, W/EGR**

Engine Series:

07

Engine Model:

V3307-DIT

Engine Desc:

V3307-DI-T-E3B

Engine Data:Direct Injection,
W/EGR**Engine Info:**

4 Cyl

Engine**Dimensions:**Bore: 3.70 in /
94 mm Stroke:
4.72 in / 120
mmPlease see
page 658 for a
complete list of
equipment
models.**Engine O/H Kit**

- KV3307DIT Std. **1**
- KV3307DIT/50 0.50 mm **1**

**1) Piston & Ring Kit**

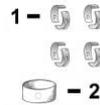
- K1G777-21682 Std.
- K1G777-21702 0.50 mm

Use 4**2) Piston**

- K1J751-21120 Std.
- K1J751-21910 0.50 mm

3) Ring Set

- K1G772-21050 Std.
- K1G772-21092 0.50 mm

**Main Bearing**

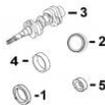
- K1G777-23402 Std.
- K1G777-23882 0.20 mm
- K1G777-23892 0.40 mm

Use 5 Pairs**Con Rod Bearing**

- K1G772-22332 Std.
- K1G772-22972 0.20 mm
- K1G772-22982 0.40 mm

Use 4 Pairs**Thrust Washer**

- K1G772-23534/44 Std.

Set of 2 Pairs**1) Front Seal**

- K1C020-04140

2) Rear Seal

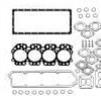
- K1G772-04460

3) Crankshaft

- K1G777-23010

4) Oil Pump Drive Gear

- K1G772-35630

**1) Top Gasket Set**

- K1G777-99353 **1**

2) Bottom Gasket Set

- K1G777-99364

3) Head Gasket

- K1G777-03310 0.80 / 2

notch

- K1G777-03600 0.90 / 1

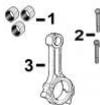
notch

- K1G777-03610 1.0 / 0

notch

4) Rocker Cover Gasket

- K1G772-14520

**1) Bushing, Con Rod**

- K1G772-21982 x8

2) Bolt, Con Rod

- K1G772-22140 x8

3) Connecting Rod

- K1G772-22013

**1) Tappet**

- K1G772-15550 x8

2) Pushrod

- K1G772-15110 x8

3) Camshaft**1) Thermostat**

- K1C011-73010

2) Gasket, Thermostat**Valve, Intake**

- K1G772-13114 x8

Valve, Exhaust

- K1G772-13125 x8

Guide, Intake

- K16261-13540 x8

Guide, Exhaust

- K16261-13560 x8

Spring, Valve

- K1C010-13240 x16

Seal, Valve

- K1C010-13150 x16

**Oil Pump Kit (Rotor Set)**

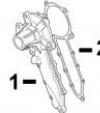
- K1G772-35070

Oil Cooler

- K1G777-37010 **2**

**Fuel Lift Pump**

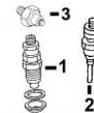
- K1C010-52033

**1) Water Pump**

- K1G772-73035

2) Water Pump Gasket

- K1G772-73430

**1) Injector**

- K1G777-53000 x4

2) Glow Plug

- K1G777-65512

**1) Liner**

- 94RS

2) Turbocharger

- K1J752-17015 **2**

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(2): Check application for proper usage

KUBOTA V3307-CR COMMON RAIL INJECTION

Engine Series:
07

Engine Model:
V3307-CR

Engine Desc:
V3307-CR-TE4B

Engine Data:
Common Rail Injection

Engine Info:
4 Cyl

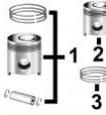
Engine Dimensions:
Bore: 3.70 in / 94 mm Stroke: 4.72 in / 120 mm

Please see page 659 for a complete list of equipment models.



Engine O/H Kit

- › KV3307CRT Std. 1
- › KV3307CRT/50 0.50 mm 1



1) Piston & Ring Kit

- › K1J770-21670 Std.
- › K1J770-21690 0.50 mm

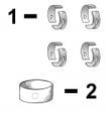
Use 4

2) Piston

- › K1J770-21112 Std.
- › K1J770-21902 0.50 mm

3) Ring Set

- › K1G772-21050 Std.
- › K1G772-21092 0.50 mm



Main Bearing

- › K1G777-23402 Std.
- › K1G777-23882 0.20 mm
- › K1G777-23892 0.40 mm

Use 5 Pairs



Con Rod Bearing

- › K1G772-22332 Std.
- › K1G772-22972 0.20 mm
- › K1G772-22982 0.40 mm

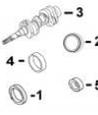
Use 4 Pairs



Thrust Washer

- › K1G772-23534/44 Std.

Set of 2 Pairs



1) Front Seal

- › K1C020-04140

2) Rear Seal

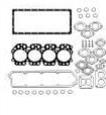
- › K1G772-04460

3) Crankshaft

- › K1G777-23010 2

4) Oil Pump Drive Gear

- › K1G772-35630



1) Top Gasket Set

- › K1J770-99352 1

2) Bottom Gasket Set

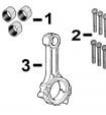
- › K1J770-99360

3) Head Gasket

- › K1J783-03310 2 notch
- › K1J783-03600 1 notch
- › K1J783-03610 0 notch

4) Rocker Cover Gasket

- › K1G772-14520



1) Bushing, Con Rod

- › K1G772-21982 x8

2) Bolt, Con Rod

- › K1G772-22140 x8

3) Connecting Rod

- › K1G772-22013



1) Tappet

- › K1G772-15550 x8

2) Pushrod

- › K1G772-15110 x8

3) Camshaft



1) Thermostat

- › K1C011-73010

2) Gasket, Thermostat

Valve, Intake

- › K1G772-13114 x8

Valve, Exhaust

- › K1G772-13125 x8

Guide, Intake

- › K16261-13540 x8

Guide, Exhaust

- › K16261-13560 x8

Spring, Valve

- › K1C010-13240 x16

Seal, Valve

- › K1C010-13150 x16

Lock, Valve

- › K15261-13980 x32

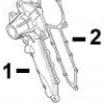


1) Front Cover Assembly

- › K1J951-04225

2) Oil Pump Rotor Assembly

- › K1G772-35070 2



1) Water Pump

- › K1G772-73035 2

2) Water Pump Gasket

- › K1G772-73430 2



1) Repair Sleeve

- › 94RS

2) Turbocharger

- › K1J773-17013 2

(1): Does not include head gasket. Head gasket thickness or notches must be verified and correct head gasket must be purchased separately.

(2): Check application for proper usage

KUBOTA V3 SERIES V3800-DI DIRECT INJECTION

Engine Series:

V3

Engine Model:V3800-DI-E2B
/ V3800-DI-E3B**Engine Desc:**

V3800-DI-T-E2B / V3800-DI-T-E3B / V3800-DI-T-E3BG

Engine Data:Direct Injection
Pencil fuel injector**Engine Info:**

4 Cyl

Engine Dimensions:Bore: 3.937 in / 100 mm
Stroke: 4.724 in / 120 mm**Kubota**M105 - Tractor
M108 - Tractor
M8540 - Tractor
M9540 - Tractor
SVL90 - Compact track loader
SVL90C - Compact track loader**Bobcat**A770 - Compact track loader
S220 - Skid Steer
S250 - Skid Steer
S300 - Skid Steer
S750 - Skid Steer
S770 - Skid Steer
S850 - Skid Steer
T110 - Compact track loader
T250 - Compact track loader
T300 - Compact track loader
T750 - Compact track loader
T770 - Compact track loader
T870 - Compact track loader**Engine O/H Kit**

- KV3800DI Std. **1**
- KV3800DI/50 0.50 mm **1**

**1) Piston & Ring Kit**

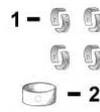
- K1G549-21772 Std.
- K1G549-21792 0.50 mm

Use 4

- 2) Piston**
 - K1J550-21112 Std.
 - K1J550-21912 0.50 mm

3) Ring Set

- K1J500-21050 Std.
- K1J500-21090 0.50 mm

**Main Bearing**

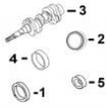
- K1C020-23470 Std.
- K1C020-23910 0.20 mm
- K1C020-23920 0.40 mm

Use 5 Pairs**Con Rod Bearing**

- K1C020-22312 Std.
- K1C020-22962 0.20 mm
- K1C020-22972 0.40 mm

Use 4 Pairs**Thrust Washer**

- K1C010-23530/40 Std.
- K1C010-23950/70 0.20 mm
- K1C010-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- K1C010-04140

2) Rear Seal

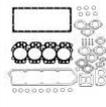
- K1C010-04460

3) Crankshaft

- K1G574-23010

4) Rear Crank Bushing

- K1C020-23300

**1) Top Gasket Set**

- K1G556-99352 **1**

2) Bottom Gasket Set

- K1G526-99360

3) Head Gasket

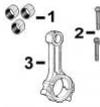
- K1G514-03314 2 Notch
- K1G514-03604 1 Notch
- K1G514-03614 No Notch

4) Rocker Cover Gasket

- K1C010-14520
- K1C020-14520

5) Liquid Gasket

- K70000-73764

**1) Bushing, Con Rod**

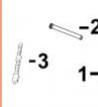
- K1C010-21980 x8

2) Bolt, Con Rod

- K1C010-22142 x8

3) Connecting Rod

- K1G514-22014

**Tappet**

- K15601-15550 x8

2) Pushrod

- K1C010-15110 x8

3) Camshaft**Thermostat**

- K1C011-73010

2) Gasket, Thermostat**Valve, Intake**

- K1C020-13110 x8

Valve, Exhaust

- K1C020-13120 x8

Guide, Valve Intake

- K16261-13540 x8

Guide, Valve Exh.

- K16261-13560 x8

Spring, Valve

- K1C010-13240 x16

Seal, Valve - Intake

- K1C010-13150 x16

**1) Oil Pump Kit (Rotor Set)**

- K1C010-35070
- 2) Oil Cooler**
- K1J550-37010 **2**

**Fuel Lift Pump**

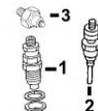
- K1C010-52033

**1) Water Pump**

- K1C010-73032

2) Water Pump Gasket

- K1C010-73430

**1) Injector**

- K1G544-53003 x4

2) Glow Plug

- K15841-39010

3) Switch, Oil**1) Repair Sleeve**

-

2) Turbocharger

- K1E153-17015 **2**

(1): Does not include head gasket. Head gasket thickness or notches **(2):** Check application for proper usage. must be verified and correct head gasket must be purchased separately.

KUBOTA V3 SERIES V3800-CR-T IT4

Engine Series:

V3

Engine Model:

V3800-CR-T

Engine Desc:V3800-CR-T
IT4**Engine Data:**Tier3/Interim
Tier 4,
Common Rail
Injection**Engine
Dimensions:**Bore: 3.937 in /
100 mm
Stroke: 4.724 in
/ 120 mmPlease see
page **660** for a
complete list of
equipment
models.**Engine O/H Kit**

- › KV3800CRT Std. 1
- › KV3800CRT/50 0.50 1 mm

**1) Piston & Ring Kit**

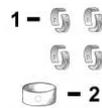
- › K1J574-21775 Std.
- › K1J574-21785 0.50 mm

Use 4**2) Piston**

- › K1J574-21112 Std.
- › K1J574-21912 0.50 mm

3) Ring Set

- › K1J500-21050 Std.
- › K1J500-21090 0.50 mm

**Main Bearing**

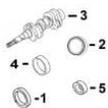
- › K1C020-23470 Std.
- › K1C020-23910 0.20 mm
- › K1C020-23920 0.40 mm

Use 5 Pairs**Con Rod Bearing**

- › K1C020-22312 Std.
- › K1C020-22962 0.20 mm
- › K1C020-22972 0.40 mm

Use 4 Pairs**Thrust Washer**

- › K1C010-23530/40 Std.
- › K1C010-23950/70 0.20 mm
- › K1C010-23960/80 0.40 mm

Set of 2 Pairs**1) Front Seal**

- › K1C020-04140

2) Rear Seal

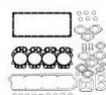
- › K1C010-04460

3) Crankshaft

- › K1C010-23300

4) Rear Crank Bushing

- › K1C010-23300

**1) Head Gasket Set**

- › K1J574-99356 1

2) Bottom Gasket Set

- › K1J574-99363

3) Head Gasket

- › K1G514-03314 2 Notch
- › K1G514-03604 1 Notch
- › K1G514-03614 No Notch

4) Rocker Cover Gasket

- › K1C020-14520

5) Liquid Gasket

- › K70000-73764

**1) Bushing, Con Rod**

- › K1J574-21982 x8

2) Bolt, Con Rod

- › K1C010-22142 x8

3) Connecting Rod**Tappet**

- › K15601-15550 x8

2) Pushrod

- › K1C010-15110 x8

3) Camshaft**Thermostat**

- › K1C011-73010

2) Gasket, Thermostat**Valve, Intake**

- › K1C020-13110 x8

Valve, Exhaust

- › K1C020-13120 x8

Guide, Valve

- › K16261-13560 x16

Spring, Valve

- › K1C010-13240 x16

Seal, Valve - Intake

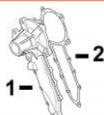
- › K1C010-13150 x16

**1) Oil Pump Kit (Rotor Set)**

- › K1C010-35070

2) Oil Cooler

- › K1J550-37010 2

**1) Water Pump**

- › K1C010-73032

2) Water Pump Gasket

- › K1C010-73430 2

**1) Turbocharger**

- › K1G574-17016 2

- › K1J500-17014 2

(1): Includes 2 notch head gasket**(2):** Check application for proper usage.**mitsubishi S4S INDIRECT INJECTION, NATURALLY ASPIRATED**