

**Engine Series:**  
B

**Engine Model:**  
B3.3

**Engine Data:**  
Naturally Aspirated, Tier 2

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
199 Cubic Inch  
Bore: 3.74 in / 95 mm  
Stroke: 4.52 in / 115 mm

**Piston (M):**  
2170

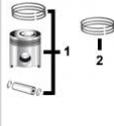
**Komatsu Engines**  
4D95LE-3

**Komatsu Wheel Loaders**

WA65-5  
WA70-5  
WA80-5



- 1) **Engine O/H Kit**
- › COK9967/4 STD
  - › COK5548/4 0.25 mm 1
  - › COK5550/4 0.50 mm 1
- 2) **O/H Kit Fractured Rod**
- › COK9967F/4 STD
  - › COK5548F/4 0.25 mm 1
  - › COK5550F/4 0.50 mm 1
  - › SPEC SHEET - 4B 3.3



- 1) **Piston & Ring Kit**
- › C4089967 STD
  - › C4955548 0.25 mm 1
  - › C4955550 0.50 mm 1
- Use 4**
- 2) **Ring Set**
- › CC6205312300 STD
  - › CC6205382300 0.25 mm 1
  - › CC6205392300 0.50 mm 1



- Main Bearing Set**
- › C3800872 STD
  - › CC6204298100 0.25 mm
  - › CC6204288100 0.50 mm
  - › CC6204278100 0.75 mm
  - › CC6204268100 1.00 mm
- Priced and sold as a set of 5 pairs. Use 1 set**



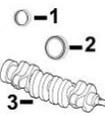
- Con Rod Bearing**
- › CC6207313300 STD
  - › CC6207393300 0.25 mm
  - › CC6207383300 0.50 mm
  - › CC6207373300 0.75 mm
  - › CC6207363300 1.00 mm
- Fractured Con Rod Bearing**
- › C4993834 STD
  - › C4993835 0.25 mm
  - › C4993836 0.50 mm
  - › C4993837 0.75 mm
  - › C4993838 1.00 mm
- Priced and sold by pair. Use 4 pairs**



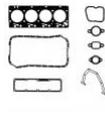
- Thrust Washer Set**
- › C4982149 STD
  - › CC6204298500 0.25 mm
  - › CC6204288500 0.50 mm
  - › CC6204278500 0.75 mm
  - › CC6204268500 1.00 mm
- Priced and Sold as a set. Use 1 Set**

**Piston Kit:**

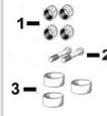
- 1) 1x [CC6204312170](#) Piston Std, 1x [CC6205312300](#) Ring Set Std,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.
- 2) 1x [CC6204392170](#) Piston 0.25 mm, 1x [CC6205382300](#) Ring Set 0.25 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.
- 3) 1x [CC6204382170](#) Piston 0.50 mm, 1x [CC6205392300](#) Ring Set 0.50 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.



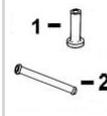
- 1) **Front Seal**
- › CC6204213510
- 2) **Rear Seal**
- › CC6140211341
- 3) **Crankshaft**



- 1) **Overhaul Gasket Set**
- › C3800939 2
- 3) **Head Gasket**
- › CC6204111830 3
  - › CC6204111840 3



- 1) **Bushing, Piston**
- › C4944479 x4 2
- 2) **Bushing, Camshaft**
- › C4994312 x2 3
  - › C4994313 x1 3
- 3) **Bolt, Con Rod**
- › CC6204313310 x8



- 1) **Tappet**
- › C4982154 x8
- 2) **Push Rod**
- › C4944182 x8

**Guide, Valve**

- › C4982846 x8

**Spring Valve**

- › C4982896 x8

**Intake, Valve**

- › C4982907 x4 4

**Insert, Intake Valve**

- › C4982847 x4 7

**Exhaust, Valve**

- › C4982895 x4 4
- › C4982909 x4 7

2) **Insert, Exhaust Valve**

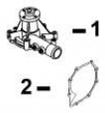
- › C4982908 x4

**Seal, Valve Steam**

- › C4982899 x8

**Retainer, Valve**

- › C4982898 x16



- 1) **Water Pump**
- › C3800883
- 2) **Water Pump Gasket**
- › C4982218



- 1) **Injector**
- › C4089877
- 2) **Repair Sleeve**
- › KM6207-21-2121 5
  - › 95RS 6



- 1) **Oil Pump**
- › C4941148 Each gear in the pair is 12mm wide
  - › C4945774 Each gear in the pair is 21mm wide
- 2) **Oil Cooler**
- › C4982639 3

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(7): Dimensionally similar to C4982895 with a Stellite Face

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with out a Stellite Face

(6): Straight Repair Sleeve

**CUMMINS 4B 3.3 PISTON (M): 2200**

**Engine Series:**  
B

**Engine Model:**  
B3.3

**Engine Data:**  
Naturally Aspirated,  
Tier 1

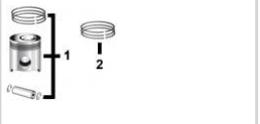
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
199 Cubic Inch  
Bore: 3.74 in /  
95 mm Stroke:  
4.52 in / 115 mm

**Piston (M):**  
2200



- 1) **Engine O/H Kit**
- › COK0877F/4 STD
  - › COK9841F/4 0.25 mm 1
  - › COK9842F/4 0.50 mm 1
- 2) **O/H Kit Fractured Rod**
- › COK0877F/4 STD
  - › COK9841F/4 0.25 mm 1
  - › COK9842F/4 0.50 mm 1
  - › SPEC SHEET - 4B 3.3



- 1) **Piston & Ring Kit**
- › C3800877 STD
  - › C4089841 0.25 mm 1
  - › C4089842 0.50 mm 1
- Use 4**
- 2) **Ring Set**
- › CC6205312200 STD
  - › CC6205392200 0.25 mm 1
  - › CC6205382200 0.50 mm 1



- Main Bearing Set**
- › C3800872 STD
  - › CC6204298100 0.25 mm
  - › CC6204288100 0.50 mm
  - › CC6204278100 0.75 mm
  - › CC6204268100 1.00 mm
- Priced and sold as a set of 5 pairs. Use 1 set**



- Con Rod Bearing**
- › CC6207313300 STD
  - › CC6207393300 0.25 mm
  - › CC6207383300 0.50 mm
  - › CC6207373300 0.75 mm
  - › CC6207363300 1.00 mm
- Fractured Con Rod Bearing**
- › C4993834 STD
  - › C4993835 0.25 mm
  - › C4993836 0.50 mm
  - › C4993837 0.75 mm
  - › C4993838 1.00 mm
- Priced and sold by pair. Use 4 pairs**



- Thrust Washer Set**
- › C4982149 STD
  - › CC6204298500 0.25 mm
  - › CC6204288500 0.50 mm
  - › CC6204278500 0.75 mm
  - › CC6204268500 1.00 mm
- Priced and Sold as a set. Use 1 Set**

**Piston Kit:**

- 1) 1x [C6205312200](#) Piston Std, 1x [CC6205312200](#) Ring Set Std,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.
- 2) 1x [CC6205392200](#) Piston 0.25 mm, 1x [CC6205392200](#) Ring Set 0.25 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.
- 3) 1x [CC6205382200](#) Piston 0.50 mm, 1x [CC6205382200](#) Ring Set 0.50 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.

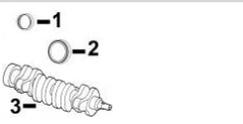
**Komatsu Engines**  
S4D95LE-2  
4D95LE-2A  
4D95LE-2B  
4D95LE-2C  
4D95LE-2D

**Komatsu Excavator**  
PC60-7  
PC60-7-B  
PC70-7  
PC78US-5  
PC75UU-3  
PC78US-6  
PC78UU-6

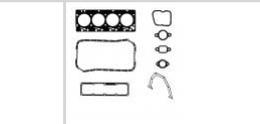
**Komatsu Drilling Rig**  
BA100-1

**Komatsu Mobile Crusher**  
BR100JG-2

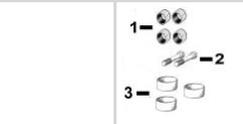
**Genset**  
EGS45-5



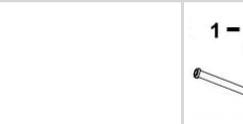
- 1) **Front Seal**
- › CC6204213510
- 2) **Rear Seal**
- › CC6140211341
- 3) **Crankshaft**



- 1) **Overhaul Gasket Set**
- › C3800939 2
- 3) **Head Gasket**
- › CC6204111830 3
  - › CC6204111840 3



- 1) **Bushing, Piston**
- › C4944479 x4 2
- 2) **Bushing, Camshaft**
- › C4994312 x2 3
  - › C4994313 x1 3
- 3) **Bolt, Con Rod**
- › CC6204313310 x8



- 1) **Tappet**
- › C4982154 x8
- 2) **Push Rod**
- › C4944182 x8

**Guide, Valve**

- › C4982846 x8

**Spring Valve**

- › C4982896 x8

**Intake, Valve**

- › C4982907 x4 4

**Insert, Intake Valve**

- › C4982847 x4 7

**Exhaust, Valve**

- › C4982895 x4 4
- › C4982909 x4 7

2) **Insert, Exhaust Valve**

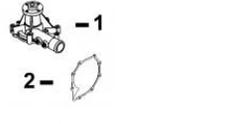
- › C4982908 x4

**Seal, Valve Steam**

- › C4982899 x8

**Retainer, Valve**

- › C4982898 x16



- 1) **Water Pump**
- › C3800883
- 2) **Water Pump Gasket**
- › C4982218



- 1) **Injector**
- › C4089877
- 2) **Repair Sleeve**
- › KM6207-21-2121 5
  - › 95RS 6



- 1) **Oil Pump**
- › C4941148 Each gear in the pair is 12mm wide
  - › C4945774 Each gear in the pair is 21mm wide
- 2) **Oil Cooler**
- › C4982639 3

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(7): Dimensionally similar to C4982895 with a Stellite Face

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with out a Stellite Face

(6): Straight Repair Sleeve

**Engine Series:**

B

**Engine Model:**

B3.3

**Engine Data:**

Turbocharged,  
Tier 2

**Engine Info:**

4 Cyl

**Engine Dimensions:**

199 Cubic Inch  
Bore: 3.74 in /  
95 mm Stroke:  
4.52 in / 115  
mm

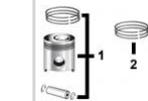
**Piston (M):**

2300



1) **Engine O/H Kit**

- › COK9968/4 STD
- › COK5549/4 0.25 mm
- › COK5551/4 0.50 mm



1) **Piston & Ring Kit**

- › C4089968 STD
- › C4955549 0.25 mm
- › C4955551 0.50 mm



**Main Bearing Set**

- › C3800872 STD
- › CC6204298100 0.25 mm
- › CC6204288100 0.50 mm
- › CC6204278100 0.75 mm
- › CC6204268100 1.00 mm



**Con Rod Bearing**

- › CC6207313300 STD
- › CC6207393300 0.25 mm
- › CC6207383300 0.50 mm
- › CC6207373300 0.75 mm
- › CC6207363300 1.00 mm



**Thrust Washer Set**

- › C4982149 STD
- › CC6204298500 0.25 mm
- › CC6204288500 0.50 mm
- › CC6204278500 0.75 mm
- › CC6204268500 1.00 mm

**Use 4**

2) **Ring Set**

- › CC6205312300 STD
- › CC6205382300 0.25 mm
- › CC6205392300 0.50 mm

**Priced and sold as a set of 5 pairs. Use 1 set**

**Fractured Con Rod Bearing**

- › C4993834 STD
- › C4993835 0.25 mm
- › C4993836 0.50 mm
- › C4993837 0.75 mm
- › C4993838 1.00 mm

**Priced and sold by pair. Use 4 pairs**

**Piston Kit:**

1) 1x [CC6205312300](#) Piston Std, 1x [CC6205312300](#) Ring Set Std,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.

2) 1x [CC6205392300](#) Piston 0.25 mm, 1x [CC6205382300](#) Ring Set 0.25 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.

3) 1x [CC6205382300](#) Piston 0.50 mm, 1x [CC6205392300](#) Ring Set 0.50 mm,  
1x [CC6204312410](#) Piston Pin, 2x [CC0406503012](#) Retainer.

**Komatsu Engines**

S4D95LE-3

**Komatsu - Wheel Loaders**

WA80-3

WA80-3-SW

WA80-3-CN

WA80-3-CB

WA80-3-CO

WA90-5

WA100M-3

WA100M-5

**Komatsu - Excavator**

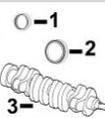
PC78MR-6

PC78US-6

PC78UU-6

PC88MR-6

PW98MR-6



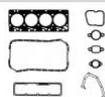
1) **Front Seal**

- › CC6204213510

2) **Rear Seal**

- › CC6140211341

3) **Crankshaft**

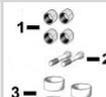


1) **Overhaul Gasket Set**

- › C3800939

3) **Head Gasket**

- › CC6204111830
- › CC6204111840



1) **Bushing, Piston**

- › C4944479 x4

2) **Bushing, Camshaft**

- › C4994312 x2
- › C4994313 x1

3) **Bolt, Con Rod**

- › CC6204313310 x8



1) **Tappet**

- › C4982154 x8

2) **Push Rod**

- › C4944182 x8

**Guide, Valve**

- › C4982846 x8

**Spring Valve**

- › C4982896 x8

**Intake, Valve**

- › C4982907 x4

**Insert, Intake Valve**

- › C4982847 x4

**Exhaust, Valve**

- › C4982895 x4

- › C4982909 x4

2) **Insert, Exhaust Valve**

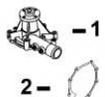
- › C4982908 x4

**Seal, Valve Steam**

- › C4982899 x8

**Retainer, Valve**

- › C4982898 x16



1) **Water Pump**

- › C3800883

2) **Water Pump Gasket**

- › C4982218



1) **Injector**

- › C4089877

2) **Repair Sleeve**

- › KM6207-21-2121
- › 95RS



1) **Oil Pump**

- › C4941148 Each gear in the pair is 12mm wide
- › C4945774 Each gear in the pair is 21mm wide

2) **Oil Cooler**

- › C4982639

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(7): Dimensionally similar to C4982895 with a Stellite Face

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with out a Stellite Face

(6): Straight Repair Sleeve

**Engine Series:**  
QSB

**Engine Model:**  
QSB3.3

**Engine Data:**  
TURBOCHARGED  
8 VALVES

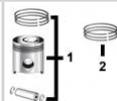
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
199 Cubic Inch  
Bore: 3.74 in /  
95 mm Stroke:  
4.52 in / 115  
mm

**Piston (M):**  
4941139



- 1) **Engine O/H Kit**
- › COK5416/4 Std
  - › COK5837/4 0.25 mm
  - › COK5836/4 0.50 mm 1
- 2) **O/H Kit Fractured Rod**
- › COK5416F/4 Std
  - › COK5837F/4 0.25 mm
  - › COK5836F/4 0.50 mm 1



- 1) **Piston & Ring Kit**
- › C4955416 STD
  - › C4955837 0.25 mm
  - › C4955836 0.50 mm 1
- Use 4**
- 2) **Ring Set**
- › C5345253 STD
  - › C5345257 0.25 mm
  - › C5345273 0.50 mm 1



- Main Bearing Set**
- › C3800872 Std
  - › CC6204298100 0.25 mm
  - › CC6204288100 0.50 mm
  - › CC6204278100 0.75 mm
  - › CC6204268100 1.00 mm
- Priced and sold as a set of 5 pairs. Use 1 set**



- Con Rod Bearing**
- › CC6207313300 STD
  - › CC6207393300 0.25 mm
  - › CC6207383300 0.50 mm
  - › CC6207373300 0.75 mm
  - › CC6207363300 1.00 mm
- Fractured Con Rod Bearing**
- › C4993834 STD
  - › C4993835 0.25 mm
  - › C4993836 0.50 mm
  - › C4993837 0.75 mm
  - › C4993838 1.00 mm
- Priced and sold by pair. Use 4 pairs**



- Thrust Washer Set**
- › C4982149 STD
  - › CC6204298500 0.25 mm
  - › CC6204288500 0.50 mm
  - › CC6204278500 0.75 mm
  - › CC6204268500 1.00 mm
- Priced and Sold as a set. Use 1 Set**

**Piston Kit:**

- 1) 1x C4941139\_Piston Std, 1x C5345253 Ring Set Std,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.
- 2) 1x C4992405 Piston 0.25 mm, 1x C5345257 Ring Set 0.25 mm,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.
- 3) 1x C4992404 Piston 0.50 mm, 1x C5345273 Ring Set 0.50 mm,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.

**Komatsu Engines**

SAA4D95LE

**Komatsu Wheel Loaders**

WA90-6

WA100M-6

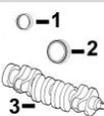
**Komatsu Excavator**

PC88MR

PC118MR-8

**Komatsu Wheel Excavator**

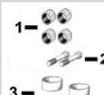
PW118MR-8



- 1) **Front Seal**
- › CC6204213510
- 2) **Rear Seal**
- › CC6140211341
- 3) **Crankshaft**



- 1) **Overhaul Gasket Set**
- › C4955996
- 3) **Head Gasket**
- › CC6204111840



- 1) **Bushing, Piston**
- › C4944479 x4
- 2) **Bushing, Camshaft**
- › C4994312 x2
  - › C4994313 x1
- 3) **Bolt, Con Rod**
- › CC6204313310 x8



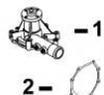
- 1) **Tappet**
- › C4982154 x8
- 2) **Push Rod**
- › C4944182 x8

- Guide, Valve**
- › C4982846 x8
- Spring Valve**
- › C4982896 x8

- Intake, Valve**
- › C4982907 x4 4
- Insert, Intake Valve**
- › C4982847 x4 7

- Exhaust, Valve**
- › C4982895 x4 4
  - › C4982909 x4 7
- 2) **Insert, Exhaust Valve**
- › C4982908 x4

- Seal, Valve Steam**
- › C4982899 x8
- Retainer, Valve**
- › C4982898 x16



- 1) **Water Pump**
- › C4955417
- 2) **Water Pump Gasket**
- › C4982218



- 1) **Repair Sleeve**
- › KM6207-21-2121
  - › 95RS



- 1) **Oil Pump**
- › C4941148 Each gear in the pair is 12mm wide 5
  - › C4945774 Each gear in the pair is 21mm wide 6
- 2) **Oil Cooler**
- › C4982639 3

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(7): Dimensionally similar to C4982895 with a Stellite Face

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with out a Stellite Face

(6): Straight Repair Sleeve

**Engine Series:**  
QSB

**Engine Model:**  
QSB3.3

**Engine Data:**  
TURBOCHARGED  
8 VALVES

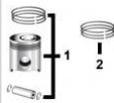
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
199 Cubic Inch  
Bore: 3.74 in /  
95 mm Stroke:  
4.52 in / 115  
mm

**Piston (M):**  
4944477



- 1) **Engine O/H Kit**
- › COK5573/4 Std
  - › COK5839/4 0.25 mm
  - › COK5838/4 0.50 mm 1
- 2) **O/H Kit Fractured Rod**
- › COK5573F/4 Std
  - › COK5839F/4 0.25 mm
  - › COK5838F/4 0.50 mm 1



- 1) **Piston & Ring Kit**
- › C4955573 STD
  - › C4955839 0.25 mm
  - › C4955838 0.50 mm 1
- Use 4**
- 2) **Ring Set**
- › C5345253 STD
  - › C5345257 0.25 mm
  - › C5345273 0.50 mm 1



- Main Bearing Set**
- › C3800872 Std
  - › CC6204298100 0.25 mm
  - › CC6204288100 0.50 mm
  - › CC6204278100 0.75 mm
  - › CC6204268100 1.00 mm
- Priced and sold as a set of 5 pairs. Use 1 set**



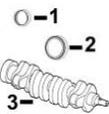
- Con Rod Bearing**
- › CC6207313300 STD
  - › CC6207393300 0.25 mm
  - › CC6207383300 0.50 mm
  - › CC6207373300 0.75 mm
  - › CC6207363300 1.00 mm
- Fractured Con Rod Bearing**
- › C4993834 STD
  - › C4993835 0.25 mm
  - › C4993836 0.50 mm
  - › C4993837 0.75 mm
  - › C4993838 1.00 mm
- Priced and sold by pair. Use 4 pairs**



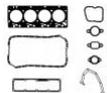
- Thrust Washer Set**
- › C4982149 STD
  - › CC6204298500 0.25 mm
  - › CC6204288500 0.50 mm
  - › CC6204278500 0.75 mm
  - › CC6204268500 1.00 mm
- Priced and Sold as a set. Use 1 Set**

**Piston Kit:**

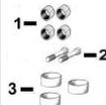
- 1) 1x C4944477\_Piston Std, 1x C5345253 Ring Set Std,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.
- 2) 1x C4992407 Piston 0.25 mm, 1x C5345257 Ring Set 0.25 mm,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.
- 3) 1x C4992406 Piston 0.50 mm, 1x C5345273 Ring Set 0.50 mm,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.



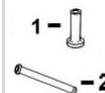
- 1) **Front Seal**
- › CC6204213510
- 2) **Rear Seal**
- › CC6140211341
- 3) **Crankshaft**



- 1) **Overhaul Gasket Set**
- › C4955996
- 3) **Head Gasket**
- › CC6204111840



- 1) **Bushing, Piston**
- › C4944479 x4
- 2) **Bushing, Camshaft**
- › C4994312 x2
  - › C4994313 x1
- 3) **Bolt, Con Rod**
- › CC6204313310 x8



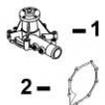
- 1) **Tappet**
- › C4982154 x8
- 2) **Push Rod**
- › C4944182 x8

- Guide, Valve**
- › C4982846 x8
- Spring Valve**
- › C4982896 x8

- Intake, Valve**
- › C4982907 x4 4
- Insert, Intake Valve**
- › C4982847 x4 7

- Exhaust, Valve**
- › C4982895 x4
  - › C4982909 x4
- 2) **Insert, Exhaust Valve**
- › C4982908 x4

- Seal, Valve Steam**
- › C4982899 x8
- Retainer, Valve**
- › C4982898 x16



- 1) **Water Pump**
- › C4955417
- 2) **Water Pump Gasket**
- › C4982218



- 1) **Repair Sleeve**
- › KM6207-21-2121
  - › 95RS



- 1) **Oil Pump**
- › C4941148 Each gear in the pair is 12mm wide 5
  - › C4945774 Each gear in the pair is 21mm wide 6
- 2) **Oil Cooler**
- › C4982639 3

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(7): Dimensionally similar to C4982895 with a Stellite Face

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with out a Stellite Face

(6): Straight Repair Sleeve

**Engine Series:**  
QSB

**Engine Model:**  
QSB3.3

**Engine Desc:**  
TIER 4 FINAL

**Engine Data:**  
TURBOCHARGED  
16 VALVES

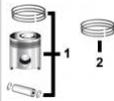
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
199 Cubic Inch  
Bore: 3.74 in /  
95 mm Stroke:  
4.52 in / 115  
mm

**Piston (M):**  
5272092



- 1) **Engine O/H Kit**
- › COK9266/4 *Std*
  - › COK9266B/4 *0.50 mm*
- 2) **O/H Kit Fractured Rod**
- › COK9266F/4 *Std*
  - › COK9266BF/4 *0.50 mm*



- 1) **Piston & Ring Kit**
- › C4309266 *STD*
  - › C4309266B *0.50 mm*
- Use 4**
- 2) **Ring Set**
- › C5345277 *STD*
  - › C5345277B *0.50 mm*



- Main Bearing Set**
- › C3800872 *Std*
  - › CC6204298100 *0.25 mm*
  - › CC6204288100 *0.50 mm*
  - › CC6204278100 *0.75 mm*
  - › CC6204268100 *1.00 mm*
- Priced and sold as a set of 5 pairs. Use 1 set**



- Con Rod Bearing Pair**
- › CC6207313300 *STD*
  - › CC6207393300 *0.25 mm*
  - › CC6207383300 *0.50 mm*
  - › CC6207373300 *0.75 mm*
  - › CC6207363300 *1.00 mm*
- Fractured Con Rod Bearing**
- › C4993834 *STD*
  - › C4993835 *0.25 mm*
  - › C4993836 *0.50 mm*
  - › C4993837 *0.75 mm*
  - › C4993838 *1.00 mm*
- Priced and sold by pair. Use 4 pairs**



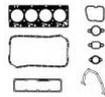
- Thrust Washer Set**
- › C4982149 *STD*
  - › CC6204298500 *0.25 mm*
  - › CC6204288500 *0.50 mm*
  - › CC6204278500 *0.75 mm*
  - › CC6204268500 *1.00 mm*
- Priced and Sold as a set. Use 1 Set**

**Piston Kit:**

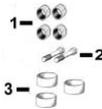
- 1) 1x C5272092\_Piston Std, 1x C5345277 Ring Set Std,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.
- 2) 1x C5272092B Piston 0.50 mm, 1x C5345277B Ring Set 0.50 mm,  
1x CC6204312410 Piston Pin, 2x CC0406503012 Retainer.



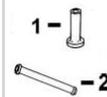
- 1) **Front Seal**
- › CC6204213510
- 2) **Rear Seal**
- › CC6140211341



- 1) **Overhaul Gasket Set**
- › C4309433
- 3) **Head Gasket**
- › C5272095
- Valve Cover Gasket**
- › C5271000 *Lower - Graphite*
  - › C5271001 *Upper - Rubber seal*
- Front Timing Cover Gasket**
- › C5297095



- 1) **Bushing, Piston**
- › C4944479 *x4*
- 2) **Bushing, Camshaft**
- › C4994312 *x2*
  - › C4994313 *x1*
- 3) **Bolt, Con Rod**
- › CC6204313310 *x8*



- 1) **Tappet**
- › C4982154 *x16*
- 2) **Push Rod**
- › C5271477 *x16*

- Guide, Valve**
- › C5271476 *x16*
- Spring Valve**
- › C5297204 *x16*
  - › C5271473 *x16*

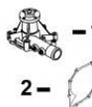
(3)  
(3)

- Intake, Valve**
- › C5271471 *x8*
  - › C5297204 *x8*
- Insert, Intake Valve**
- › C5297205 *x8*

(3)  
(3)

- Exhaust, Valve**
- › C5309399 *x8*
- Insert, Exhaust Valve**
- › C5271475 *x8*

- Seal, Valve Steam**
- › C5272080 *x16*
- Locks, Valve**
- › C5271478 *x32*



- 1) **Water Pump**
- › C5271093
- 2) **Water Pump Gasket**
- › C5271096



- Repair Sleeve**
- › KM6207-21-2121 *x4*
  - › 95RS



- Oil Pump**
- › C5304284 *Straight drive gear, 22T; driven rotor pair*

(5)  
(6)

(1): In development

(3): Check Application for proper use

(5): Repair Sleeve with flange

(2): Includes 2 head gaskets CC6204111830 & CC6204111840. Front and Rear Crank seals are sold separately.

(4): Dimensionally similar to C4982909 with a Stellite Face

(6): Straight Repair Sleeve

**Engine Series:**  
B

**Engine Model:**  
4BT 3.9

**Engine Desc:**  
CDC 4.390

**Engine Data:**  
TURBOCHARGED  
NON –  
EMISSION

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**  
7163



**1) Engine O/H Kit**

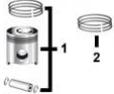
- ▶ COK2160/4 Std
- ▶ COK2132/4 0.50 mm
- ▶ COK2134/4 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK2160F/4 Std
- ▶ COK2132F/4 0.50
- ▶ COK2134F/4 1.00

**3) Engine I/F Kit**

- ▶ CIK2160/4 Std
- ▶ CIK2132/4 0.50 mm
- ▶ CIK2134/4 1.00 mm
- ▶ SPEC SHEET - 4BT 3.9



**Piston & Ring Kit**

- ▶ C3802160 Std
- ▶ C3802132 0.50 mm
- ▶ C3802134 1.00 mm

**Use 4**



**Main Bearing Set**

- ▶ C3802010 Std
- ▶ C3802011 0.25 mm
- ▶ C3802012 0.50 mm
- ▶ C3802013 0.75 mm

**Use 1**



**Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell**



**Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

**Rod bearings are priced and sold per shell**

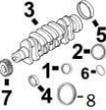
**Piston Kit:**

1) 1 C3907163 Piston Std, 1 C3802230 Ring Set Std, 1 C3901793 Piston Pin, 2 C3901706 Ret.

2) 1 C3908815 Piston 0.50 mm, 1 C3802232 Ring Set 0.50 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.

3) 1 C3908816 Piston 1.00 mm, 1 C3802234 Ring Set 1.00 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.

Please see page 631 for a complete list of equipment models.



**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907803

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

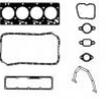
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)



**1) Top Gasket Set**

- ▶ C3804896

**2) Bottom Gsk Set**

- ▶ C3802375

**3) Head Gasket**

- ▶ C3921393

**4) Oil Pan Gasket**

- ▶ C3931602

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3914385

**9) Front Gear Housing**

- ▶ C5267784



**1) Bushing, Piston**

- ▶ C4891178 x4

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919
- ▶ C4891179

**4) Con Rod**

- ▶ C3901569
- ▶ C4943979

**5) Bolt, Ex Manifold**

- ▶ C3944593
- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252



**1) Camshaft**

- ▶ C3925582

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x4
- ▶ C3910810 x4

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**1) Spring, Valve**

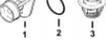
- ▶ C3900276 x8

**2) Seal, Valve**

- ▶ C3921640 x8
- ▶ C3957912 x8

**3) Retainer, Valve**

- ▶ C3900299 x8



**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

- ▶ C3906698

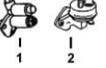
**3) Thermostat**

- ▶ C3802273



**1) Pump, Oil**

- ▶ C3926202



**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374



**1) Cylinder Head**

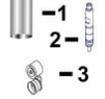
- ▶ C3920005

**2) Head Bolt Kit**

- ▶ C4B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK



**1) Repair Sleeve**

- ▶ C3904166

**2) Injector**

- ▶ C3909476 9mm
- ▶ C3919331 7mm
- ▶ C3919343 7mm

**3) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.  
 (2): Diaphragm Style.  
 (3): For Storm blocks use C3940059.  
 (4): Do not use on Marine Engines.  
 (5): For use on engines prior to April, 2003.  
 (6): For use on engines from April, 2003, (Top Hat Style).  
 (7): Machine split connecting rod.  
 (8): Fracture split connecting rod.  
 (9): Use ESN or application model to confirm correct camshaft.  
 (10): Check application for proper usage.  
 (11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).  
 (12): Flanged Head Cap Screw.  
 (13): Studded Flange Cap Screw.  
 (14): Machined for 7mm nozzles.

**Engine Series:**  
B

**Engine Model:**  
4BTA 3.9

**Engine Desc:**  
(CDC 4.390)

**Engine Data:**  
TURBOCHARGED  
AFTERCOOLED  
NON –  
EMISSION

**Engine Info:**  
4 Cyl

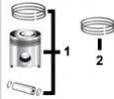
**Engine Dimensions:**  
239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**  
7156

Please see  
page 632 for a  
complete list of  
equipment  
models.



- 1) Engine O/H Kit**
- ▶ COK2100/4 Std
  - ▶ COK2102/4 0.50 mm
  - ▶ COK2104/4 1.00 mm
- 2) O/H Kit fractured rod**
- ▶ COK2100F/4 Std
  - ▶ COK2102F/4 0.50mm
  - ▶ COK2104F/4 1.00mm
- 3) Engine I/F Kit**
- ▶ CIK2100/4 Std
  - ▶ CIK2102/4 0.50 mm
  - ▶ CIK2104/4 1.00 mm
  - ▶ SPEC SHEET - 4BT 3.9



- Piston & Ring Kit**
- ▶ C3802100 Std
  - ▶ C3802102 0.50 mm
  - ▶ C3802104 1.00 mm
- Use 4**



- Main Bearing Set**
- ▶ C3802010 Std
  - ▶ C3802011 0.25 mm
  - ▶ C3802012 0.50 mm
  - ▶ C3802013 0.75 mm
- Use 1**



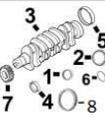
- Con Rod Bearing**
- ▶ C3901170 Std
  - ▶ C3901171 0.25 mm
  - ▶ C3901172 0.50 mm
  - ▶ C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



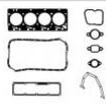
- Fractured Con Rod Bearing**
- ▶ C4893693 Std
  - ▶ C4892795 0.25 mm
  - ▶ C4892796 0.50 mm
  - ▶ C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 C3907156 Piston Std, 1 C3802230 Ring Set Std, 1 C3901793 Piston Pin, 2 C3901706 Ret.
- 2) 1 C3907157 Piston 0.50 mm, 1 C3802232 Ring Set 0.50 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.
- 3) 1 C3907158 Piston 1.00 mm, 1 C3802234 Ring Set 1.00 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.



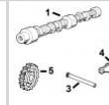
- 1) Front Seal**
- ▶ C3904353
- 2) Rear Seal**
- ▶ C3353978
- 3) Crankshaft**
- ▶ C3907803
- 4) Front Seal Sleeve**
- ▶ C3906080
- 5) Rear Seal Sleeve**
- ▶ C3906081
- 6) Rectangular Seal**
- ▶ C3912473
- 7) Crankshaft, Gear**
- ▶ C3901258
- 8) Ring Gear**
- ▶ C3903309 (173T)
  - ▶ C3905427 (127T)
  - ▶ C3901774 (159T)
  - ▶ C3902127 (138T)



- 1) Top Gasket Set**
- ▶ C3804896
- 2) Bottom Gsk Set**
- ▶ C3802375
- 3) Head Gasket**
- ▶ C3921393
- 4) Oil Pan Gasket**
- ▶ C3931602
- 5) Valve Cover Gsk**
- ▶ C3902666
- 6) Gear Housing Gsk**
- ▶ C3916131
- 7) Rear Cover Gskt**
- ▶ C3928493
- 8) Gear Cover Gasket**
- ▶ C3914385
- 9) Front Gear Housing**
- ▶ C5267784



- 1) Bushing, Piston**
- ▶ C4891178 x4
- 2) Bushing, Cam**
- ▶ C3901306 x1
- 3) Bolt, Con Rod**
- ▶ C3900919
  - ▶ C4891179
- 4) Con Rod**
- ▶ C3901569
  - ▶ C4943979
- 5) Bolt, Ex Manifold**
- ▶ C3944593
  - ▶ C3944655
- 6) Spacer, Ex Manifold**
- ▶ C3945252



- 1) Camshaft**
- ▶ C3925582
- 2) Tappet**
- ▶ C3925031
- 3) Push Rod**
- ▶ C3904679
- 4) Rocker Arms**
- ▶ C3910811 x4
  - ▶ C3910810 x4
- 5) Camshaft Gear**
- ▶ C3907431
- 6) Camshaft Key**
- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

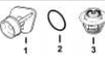
- ▶ C3802355 Kit
- Consists of:**
- ▶ C3901117 x1 Valve
  - ▶ C3900250 x2 Collet
- 2) Insert, Valve**
- ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

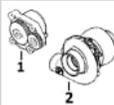
- ▶ C3802356 Kit
- Consists of:**
- ▶ C3901607 x1 Valve
  - ▶ C3900250 x2 Collet
- 2) Insert, Valve**
- ▶ C3904105

**1) Spring, Valve**

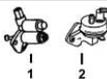
- ▶ C3900276 x8
- 2) Seal, Valve**
- ▶ C3921640 x8
  - ▶ C3957912 x8
- 3) Retainer, Valve**
- ▶ C3900299 x8



- 1) Water Pump**
- ▶ C3286277
- 2) Water Pump Seal**
- ▶ C3906698
- 3) Thermostat**
- ▶ C3802273



- 1) Pump, Oil**
- ▶ C3926202
- 2) Turbocharger**
- ▶ C3802290



- 1) Lift Pump**
- ▶ C3918000
- 2) Lift Pump**
- ▶ C3904374



- 1) Cylinder Head**
- ▶ C3920005
- 2) Head Bolt Kit**
- ▶ C4B-HBK
- 3) Block Exp Plug Kit**
- ▶ C6BEXPK



- 1) Repair Sleeve**
- ▶ C3904166
- 2) Injector**
- ▶ C3909476 9mm
  - ▶ C3919343 7mm
- 3) Belt Tensioner**
- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.



**Engine Series:**  
B

**Engine Model:**  
4B 3.9

**Engine Desc:**  
(CDC 4.390)

**Engine Data:**  
NATURALLY  
ASPIRATED  
NON –  
EMISSION

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**  
6223

Please see  
page **633** for a  
complete list of  
equipment  
models.



- 1) **Engine O/H Kit**  
 ▶ COK2060/4 Std  
 ▶ COK2062/4 0.50 mm  
 ▶ COK2064/4 1.00 mm

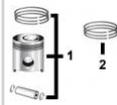
- 2) **O/H Kit Fractured Rod**  
 ▶ COK2060F/4 Std  
 ▶ COK2062F/4 0.50  
 ▶ COK2064F/4 1.00

- 3) **Engine I/F Kit**  
 ▶ CIK2060/4 Std  
 ▶ CIK2062/4 0.50 mm  
 ▶ CIK2064/4 1.00 mm

- 4) **I/F Kit Fractured Rod**  
 ▶ CIK2060F/4 Std  
 ▶ CIK2062F/4 0.50 mm  
 ▶ CIK2064F/4 1.00 mm  
 ▶ SPEC SHEET - 4BT 3.9

11  
11  
11

11  
11  
11



- Piston & Ring Kit**  
 ▶ C3802060 Std  
 ▶ C3802062 0.50 mm  
 ▶ C3802064 1.00 mm

Use 4



- Main Bearing Set**  
 ▶ C3802010 Std  
 ▶ C3802011 0.25 mm  
 ▶ C3802012 0.50 mm  
 ▶ C3802013 0.75 mm

Use 1



- Con Rod Bearing**  
 ▶ C3901170 Std  
 ▶ C3901171 0.25 mm  
 ▶ C3901172 0.50 mm  
 ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell



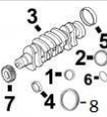
- Fractured Con Rod Bearing**  
 ▶ C4893693 Std  
 ▶ C4892795 0.25 mm  
 ▶ C4892796 0.50 mm  
 ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

11

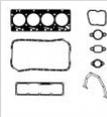
**Piston Kit:**

- 1) 1 [C3906223](#) Piston Std, 1 [C3802040](#) Ring Set Std, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.  
 2) 1 [C3906209](#) Piston 0.50 mm, 1 [C3802042](#) Ring Set 0.50 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.  
 3) 1 [C3906208](#) Piston 1.00 mm, 1 [C3802044](#) Ring Set 1.00 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.



- 1) **Front Seal**  
 ▶ C3904353  
 2) **Rear Seal**  
 ▶ C3353978  
 3) **Crankshaft**  
 ▶ C3907803  
 4) **Front Seal Sleeve**  
 ▶ C3906080  
 5) **Rear Seal Sleeve**  
 ▶ C3906081  
 6) **Rectangular Seal**  
 ▶ C3912473  
 7) **Crankshaft, Gear**  
 ▶ C3901258  
 8) **Ring Gear**  
 ▶ C3903309 (173T)  
 ▶ C3905427 (127T)  
 ▶ C3901774 (159T)  
 ▶ C3902127 (138T)

10  
10  
10  
10



- 1) **Top Gasket Set**  
 ▶ C3804896  
 2) **Bottom Gsk Set**  
 ▶ C3802375  
 3) **Head Gasket**  
 ▶ C3921393  
 4) **Oil Pan Gasket**  
 ▶ C3931602  
 5) **Valve Cover Gsk**  
 ▶ C3902666  
 6) **Gear Housing Gsk**  
 ▶ C3916131  
 7) **Rear Cover Gskt**  
 ▶ C3928493  
 8) **Gear Cover Gasket**  
 ▶ C3914385  
 9) **Front Gear Housing**  
 ▶ C5267784

10  
10



- 1) **Bushing, Piston**  
 ▶ C4891178 x4  
 2) **Bushing, Cam**  
 ▶ C3901306 x1  
 3) **Bolt, Con Rod**  
 ▶ C3900919  
 ▶ C4891179  
 4) **Con Rod**  
 ▶ C3901569  
 ▶ C4943979  
 5) **Bolt, Ex Manifold**  
 ▶ C3944593  
 ▶ C3944655  
 6) **Spacer, Ex Manifold**  
 ▶ C3945252

3  
7  
8  
7  
8  
12  
13



- 1) **Camshaft**  
 ▶ C3925582  
 2) **Tappet**  
 ▶ C3925031  
 3) **Push Rod**  
 ▶ C3904679  
 4) **Rocker Arms**  
 ▶ C3910811 x4  
 ▶ C3910810 x4  
 5) **Camshaft Gear**  
 ▶ C3907431  
 6) **Camshaft Key**  
 ▶ C3902332

9

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN  
 ▶ C3904409 Thick 51.75 mm EX  
 ▶ C3906206 Thin Wall

1

**1) Intake, Valve Kit**

- ▶ C3802355 Kit  
**Consists of:**  
 1) C3901117 x1 Valve  
 C3900250 x2 Collet  
 2) **Insert, Valve**  
 ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit  
**Consists of:**  
 ▶ C3901607 x1 Valve  
 ▶ C3900250 x2 Collet  
 2) **Insert, Valve**  
 ▶ C3904105

**1) Spring, Valve**

- ▶ C3900276 x8  
 2) **Seal, Valve**  
 ▶ C3921640 x8  
 ▶ C3957912 x8  
 3) **Retainer, Valve**  
 ▶ C3900299 x8

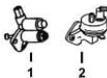
5  
6  
5



- 1) **Water Pump**  
 ▶ C3286277  
 2) **Water Pump Seal**  
 ▶ C3906698  
 3) **Thermostat**  
 ▶ C3802273



- Pump, Oil**  
 ▶ C3926202



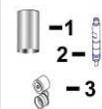
- 1) **Lift Pump**  
 ▶ C3918000  
 2) **Lift Pump**  
 ▶ C3904374



- 1) **Cylinder Head**  
 ▶ C3920005  
 2) **Head Bolt Kit**  
 ▶ C4B-HBK  
 3) **Block Exp Plug Kit**  
 ▶ C6BEXPK

14

4



- 1) **Repair Sleeve**  
 ▶ C3904166  
 2) **Injector**  
 ▶ C3914474 9mm  
 ▶ C3919304 7mm  
 3) **Belt Tensioner**  
 ▶ C3914086

10  
10

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.

**Engine Series:**  
B

**Engine Model:**  
4BT 3.9

**Engine Desc:**  
AUTOMOTIVE

**Engine Data:**  
TURBOCHARGED  
EMISSION

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**  
6632

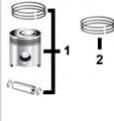


- 1) Engine O/H Kit**
- ▶ COK2562/4 Std
  - ▶ COK2564/4 0.50 mm
  - ▶ COK2565/4 1.00 mm

- 2) O/H Kit fractured rod**
- ▶ COK2562F/4 Std
  - ▶ COK2564F/4 0.50
  - ▶ COK2565F/4 1.00

- 3) Engine I/F Kit**
- ▶ CIK2562/4 Std
  - ▶ CIK2564/4 0.50 mm
  - ▶ CIK2565/4 1.00 mm
  - ▶ SPEC SHEET - 4BT 3.9

11



- Piston & Ring Kit**
- ▶ C3802562 Std
  - ▶ C3802564 0.50 mm
  - ▶ C3802565 1.00 mm

Use 4



- Main Bearing Set**
- ▶ C3802010 Std
  - ▶ C3802011 0.25 mm
  - ▶ C3802012 0.50 mm
  - ▶ C3802013 0.75 mm

Use 1



- Con Rod Bearing**
- ▶ C3901170 Std
  - ▶ C3901171 0.25 mm
  - ▶ C3901172 0.50 mm
  - ▶ C3901173 0.75 mm

Rod bearings are priced and sold per shell



- Fractured Con Rod Bearing**
- ▶ C4893693 Std
  - ▶ C4892795 0.25 mm
  - ▶ C4892796 0.50 mm
  - ▶ C4892797 0.75 mm

Rod bearings are priced and sold per shell

11

**Piston Kit:**

- 1) 1 [C3926632](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
 2) 1 [C3926634](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
 3) 1 [C3926635](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**Cummins CPL's**

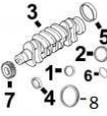
1839  
2001  
2195  
2304

**TIMBERJACK**

230 - Forwarder

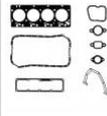
**YTO**

LRS1016 -  
Pneumatic  
Roller



- 1) Front Seal**  
▶ C3904353
- 2) Rear Seal**  
▶ C3353978
- 3) Crankshaft**  
▶ C3907803
- 4) Front Seal Sleeve**  
▶ C3906080
- 5) Rear Seal Sleeve**  
▶ C3906081
- 6) Rectangular Seal**  
▶ C3912473
- 7) Crankshaft, Gear**  
▶ C3901258
- 8) Ring Gear**  
▶ C3903309 (173T)  
▶ C3905427 (127T)  
▶ C3901774 (159T)  
▶ C3902127 (138T)

10  
10  
10  
10



- 1) Top Gasket Set**  
▶ C3804896
- 2) Bottom Gsk Set**  
▶ C3802375
- 3) Head Gasket**  
▶ C3921393
- 4) Oil Pan Gasket**  
▶ C3931602
- 5) Valve Cover Gsk**  
▶ C3902666
- 6) Gear Housing Gsk**  
▶ C3916131
- 7) Rear Cover Gskt**  
▶ C3928493
- 8) Gear Cover Gasket**  
▶ C3918673
- 9) Front Gear Housing**  
▶ C3931382  
▶ C5267783

10  
10



- 1) Bushing, Piston**  
▶ C4891178 x4
- 2) Bushing, Cam**  
▶ C3901306 x1
- 3) Bolt, Con Rod**  
▶ C3900919  
▶ C4891179
- 4) Con Rod**  
▶ C3901569  
▶ C4943979
- 5) Bolt, Ex Manifold**  
▶ C3944593  
▶ C3944655
- 6) Spacer, Ex Manifold**  
▶ C3945252

3  
7  
8  
7  
8  
12  
13



- 1) Camshaft**  
▶ C3925582
- 2) Tappet**  
▶ C3925031
- 3) Push Rod**  
▶ C3904679
- 4) Rocker Arms**  
▶ C3910811 x4  
▶ C3910810 x4
- 5) Camshaft Gear**  
▶ C3907431
- 6) Camshaft Key**  
▶ C3902332

9

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

1

**1) Intake, Valve Kit**

- ▶ C3802355 Kit
- Consists of:**
- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet
- 2) Insert, Valve**  
▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit
- Consists of:**
- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet
- 2) Insert, Valve**  
▶ C3904105

**1) Spring, Valve**

- ▶ C3900276 x8
- 2) Seal, Valve**  
▶ C3921640 x8  
▶ C3957912 x8
- 3) Retainer, Valve**  
▶ C3900299 x8

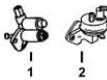
5  
6  
5



- 1) Water Pump**  
▶ C3286277
- 2) Water Pump Seal**  
▶ C3906698
- 3) Thermostat**  
▶ C3802273

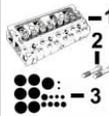


- Pump, Oil**  
▶ C3926202



- 1) Lift Pump**  
▶ C3918000
- 2) Lift Pump**  
▶ C3904374

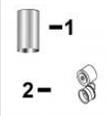
2



- 1) Cylinder Head**  
▶ C3920005
- 2) Head Bolt Kit**  
▶ C4B-HBK
- 3) Block Exp Plug Kit**  
▶ C6BEXPK

14

4



- 1) Repair Sleeve**  
▶ C3904166
- 2) Belt Tensioner**  
▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.

**CUMMINS 4BTA 3.9 PISTON (M): 9041**

**Engine Series:**

B

**Engine Model:**

4BTA 3.9

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
EMISSION

**Engine Info:**

4 Cyl

**Engine****Dimensions:**

239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

9041

**1) Engine O/H Kit**

- ▶ COK2248/4 Std
- ▶ COK2249/4 0.50 mm
- ▶ COK2250/4 1.00 mm

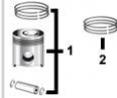
**2) O/H Kit fractured rod**

- ▶ COK2248F/4 Std
- ▶ COK2249F/4 0.50
- ▶ COK2250F/4 1.00

**3) Engine I/F Kit**

- ▶ CIK2248/4 Std
- ▶ CIK2249/4 0.50 mm
- ▶ CIK2250/4 1.00 mm
- ▶ SPEC SHEET - 4BT 3.9

11

**Piston & Ring Kit**

- ▶ C3802248 Std
- ▶ C3802249 0.50 mm
- ▶ C3802250 1.00 mm

**Main Bearing Set**

- ▶ C3802010 Std
- ▶ C3802011 0.25 mm
- ▶ C3802012 0.50 mm
- ▶ C3802013 0.75 mm

Use 1

**Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell

**Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

11

**Piston Kit:**

- 1) 1 [C3919041](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
2) 1 [C3919044](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
3) 1 [C3919045](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**Cummins CPL's**

986

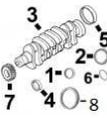
1260

**Ingersoll Rand**

PF161 -  
Asphalt Pavers

**Skidder**

Ranger F65G

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907803

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

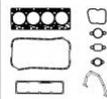
10

10

10

10

10

**1) Top Gasket Set**

- ▶ C3804896

**2) Bottom Gsk Set**

- ▶ C3802375

**3) Head Gasket**

- ▶ C3921393

**4) Oil Pan Gasket**

- ▶ C3931602

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gskt**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C5267784

10

10

**1) Bushing, Piston**

- ▶ C4891178 x4

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919
- ▶ C4891179

**4) Con Rod**

- ▶ C3901569
- ▶ C4943979

**5) Bolt, Ex Manifold**

- ▶ C3944593
- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3925582

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x4
- ▶ C3910810 x4

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

3

7

8

7

8

12

13

9

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

1

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**1) Spring, Valve**

- ▶ C3900276 x8

**2) Seal, Valve**

- ▶ C3921640 x8
- ▶ C3957912 x8

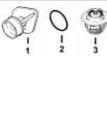
**3) Retainer, Valve**

- ▶ C3900299 x8

5

6

5

**1) Water Pump**

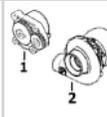
- ▶ C3286277

**2) Water Pump Seal**

- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

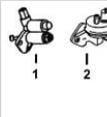
**1) Pump, Oil**

- ▶ C3926202

**2) Turbocharger**

- ▶ C3802290

10

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

2

**1) Cylinder Head**

- ▶ C3920005

**2) Head Bolt Kit**

- ▶ C4B-HBK

**3) Block Exp Plug Kit**

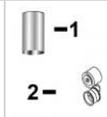
- ▶ C6BEXPK
- ▶ C6BEXPKS

14

4

10

10

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.

**CUMMINS 4BTA 3.9 PISTON (M): 8673**

**Engine Series:**

B

**Engine Model:**

4BTA 3.9

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
EMISSION

**Engine Info:**

4 Cyl

**Engine****Dimensions:**

239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

8673

**1) Engine O/H Kit**

- ▶ COK2747/4 Std
- ▶ COK2764/4 0.50 mm
- ▶ COK2765/4 1.00 mm

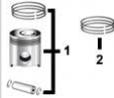
**2) O/H Kit fractured rod**

- ▶ COK2747F/4 Std
- ▶ COK2764F/4 0.50
- ▶ COK2765F/4 1.00

**3) Engine I/F Kit**

- ▶ CIK2747/4 Std
- ▶ CIK2764/4 0.50 mm
- ▶ CIK2765/4 1.00 mm
- ▶ SPEC SHEET - 4BT 3.9

11

**Piston & Ring Kit**

- ▶ C3802747 Std
- ▶ C3802764 0.50 mm
- ▶ C3802765 1.00 mm

**Use 4****Main Bearing Set**

- ▶ C3802010 Std
- ▶ C3802011 0.25 mm
- ▶ C3802012 0.50 mm
- ▶ C3802013 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

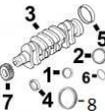
**Rod bearings are priced and sold per shell**

11

**Piston Kit:**

- 1) 1 [C3928673](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
 2) 1 [C3928674](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
 3) 1 [C3928675](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

Please see  
page **634** for a  
complete list of  
equipment  
models.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907803

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

10

10

10

10

10

10

**1) Top Gasket Set**

- ▶ C3804896

**2) Bottom Gsk Set**

- ▶ C3802375

**3) Head Gasket**

- ▶ C3921393

**4) Oil Pan Gasket**

- ▶ C3931602

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gskt**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C3931382
- ▶ C5267782

**1) Bushing, Piston**

- ▶ C4891178 x4

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919

- ▶ C4891179

**4) Con Rod**

- ▶ C3901569

- ▶ C4943979

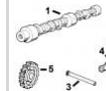
**5) Bolt, Ex Manifold**

- ▶ C3944593

- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3925582

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x4

- ▶ C3910810 x4

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

1

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve

- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve

- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**1) Spring, Valve**

- ▶ C3900276 x8

**2) Seal, Valve**

- ▶ C3921640 x8

- ▶ C3957912 x8

**3) Retainer, Valve**

- ▶ C3900299 x8

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

- ▶ C3926202

**2) Turbocharger**

- ▶ C3802290

- ▶ C3802906

**1) Lift Pump**

- ▶ C3918000

- ▶ C3917998

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

- ▶ C3920005

**2) Head Bolt Kit**

- ▶ C4B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Injector**

- ▶ C3929490

**3) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.

**Engine Series:**

B

**Engine Model:**

4BT 3.9

**Engine Data:**TURBOCHARGED  
EMISSION**Engine Info:**

4 Cyl

**Engine Dimensions:**239 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm**Piston (M):**

0187

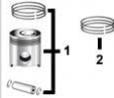
**Cummins CPL's**1963  
2264**Timberjack**

230 - Forwarder

**YTO**LRS1016 -  
Pneumatic  
Roller

- 1) **Engine O/H Kit**
- ▶ COK2757/4 Std
  - ▶ COK2758/4 0.50 mm
  - ▶ COK2759/4 1.00 mm
- 2) **O/H Kit fractured rod**
- ▶ COK2757F/4 Std
  - ▶ COK2758F/4 0.50
  - ▶ COK2759F/4 1.00

11

**Piston & Ring Kit**

- ▶ C3802757 Std
- ▶ C3802758 0.50 mm
- ▶ C3802759 1.00 mm

Use 4

**Main Bearing Set**

- ▶ C3802010 Std
- ▶ C3802011 0.25 mm
- ▶ C3802012 0.50 mm
- ▶ C3802013 0.75 mm

Use 1

**Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell**Fractured Con Rod Bearing**

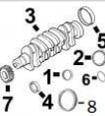
- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

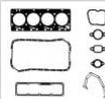
11

**Piston Kit:**

- 1) 1 [C3930187](#) Piston Std, 1 [C3802750](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3930188](#) Piston 0.50 mm, 1 [C3802863](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 3) 1 [C3930189](#) Piston 1.00 mm, 1 [C3802864](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.



- 1) **Front Seal**
- ▶ C3904353
- 2) **Rear Seal**
- ▶ C3353978
- 3) **Crankshaft**
- ▶ C3907803
- 4) **Front Seal Sleeve**
- ▶ C3906080
- 5) **Rear Seal Sleeve**
- ▶ C3906081
- 6) **Rectangular Seal**
- ▶ C3912473
- 7) **Crankshaft, Gear**
- ▶ C3901258
- 8) **Ring Gear**
- ▶ C3903309 (173T)
  - ▶ C3905427 (127T)
  - ▶ C3901774 (159T)
  - ▶ C3902127 (138T)

10  
10  
10  
10

- 1) **Top Gasket Set**
- ▶ C3804896
- 2) **Bottom Gsk Set**
- ▶ C3802375
- 3) **Head Gasket**
- ▶ C3921393
- 4) **Oil Pan Gasket**
- ▶ C3931602
- 5) **Valve Cover Gsk**
- ▶ C3902666
- 6) **Gear Housing Gsk**
- ▶ C3916131
- 7) **Rear Cover Gskt**
- ▶ C3928493
- 8) **Gear Cover Gasket**
- ▶ C3918673
- 9) **Front Gear Housing**
- ▶ C3931382
  - ▶ C5267783

10  
10

- 1) **Bushing, Piston**
- ▶ C4891178 x4
- 2) **Bushing, Cam**
- ▶ C3901306 x1
- 3) **Bolt, Con Rod**
- ▶ C3900919
  - ▶ C4891179
- 4) **Con Rod**
- ▶ C3901569
  - ▶ C4943979
- 5) **Bolt, Ex Manifold**
- ▶ C3944593
  - ▶ C3944655
- 6) **Spacer, Ex Manifold**
- ▶ C3945252

3  
7  
8  
7  
8  
12  
13

- 1) **Camshaft**
- ▶ C3925582
- 2) **Tappet**
- ▶ C3925031
- 3) **Push Rod**
- ▶ C3904679
- 4) **Rocker Arms**
- ▶ C3910811 x4
  - ▶ C3910810 x4
- 5) **Camshaft Gear**
- ▶ C3907431
- 6) **Camshaft Key**
- ▶ C3902332

9

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

1

**1) Intake, Valve Kit**

- ▶ C3802355 Kit
- Consists of:**
- ▶ C3901117 x1 Valve
  - ▶ C3900250 x2 Collet
- 2) **Insert, Valve**
- ▶ C3906854 Use 4

**1) Exhaust, Valve Kit**

- ▶ C3802356 Kit
- Consists of:**
- ▶ C3901607 x1 Valve
  - ▶ C3900250 x2 Collet
- 2) **Insert, Valve**
- ▶ C3904105

**1) Spring, Valve**

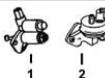
- ▶ C3900276 x8
- 2) **Seal, Valve**
- ▶ C3921640 x8
  - ▶ C3957912 x8
- 3) **Retainer, Valve**
- ▶ C3900299 x8

5  
6  
5

- 1) **Water Pump**
- ▶ C3286277
- 2) **Water Pump Seal**
- ▶ C3906698
- 3) **Thermostat**
- ▶ C3802273



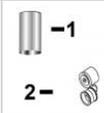
- 1) **Pump, Oil**
- ▶ C3926202



- 1) **Lift Pump**
- ▶ C3918000
- 2) **Lift Pump**
- ▶ C3904374



- 1) **Cylinder Head**
- ▶ C3920005
- 2) **Head Bolt Kit**
- ▶ C4B-HBK
- 3) **Block Exp Plug Kit**
- ▶ C6BEXPK
  - ▶ C6BEXPKS

14  
4

- 1) **Repair Sleeve**
- ▶ C3904166
- 2) **Belt Tensioner**
- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Machine split connecting rod.

(9): Use ESN or application model to confirm correct camshaft.

(11): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(13): Studded Flange Cap Screw.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): Fracture split connecting rod.

(10): Check for proper application.

(12): Flanged Head Cap Screw.

(14): Machined for 7mm nozzles.

**CUMMINS 6BT 5.9 PISTON (M): 7163**

**Engine Series:**  
B

**Engine Model:**  
6BT 5.9

**Engine Desc:**  
(CDC 6.590)

**Engine Data:**  
TURBOCHARGED  
NON –  
EMISSION

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**  
7163

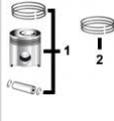
Please see  
page 635 for a  
complete list of  
equipment  
models.



- 1) Engine O/H Kit**
- › COK2160/6 Std
  - › COK2132/6 0.50 mm
  - › COK2134/6 1.00 mm
- 2) O/H Kit Fractured Rod**
- › COK2160F/6 Std
  - › COK2132F/6 0.50
  - › COK2134F/6 1.00

10

- 3) Engine I/F Kit**
- › CIK2160/6 Std
  - › CIK2132/6 0.50 mm
  - › CIK2134/6 1.00 mm
  - › SPEC SHEET - 6BT 5.9



- Piston & Ring Kit**
- › C3802160 Std
  - › C3802132 0.50 mm
  - › C3802134 1.00 mm
- Use 6**



- Main Bearing Set**
- › C3802070 Std
  - › C3802071 0.25 mm
  - › C3802072 0.50 mm
  - › C3802073 0.75 mm
- Use 1**



- Con Rod Bearing**
- › C3901170 Std
  - › C3901171 0.25 mm
  - › C3901172 0.50 mm
  - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**

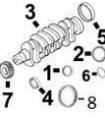


- Fractured Con Rod Bearing**
- › C4893693 Std
  - › C4892795 0.25 mm
  - › C4892796 0.50 mm
  - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

10

**Piston Kit:**

- 1) 1 [C3907163](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3908815](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3908816](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.



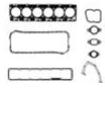
- 1) Front Seal**
- › C3904353
- 2) Rear Seal**
- › C3353978
- 3) Crankshaft**
- › C3907804
- 4) Front Seal Sleeve**
- › C3906080
- 5) Rear Seal Sleeve**
- › C3906081
- 6) Rectangular Seal**
- › C3912473
- 7) Crankshaft, Gear**
- › C3901258
- 8) Ring Gear**
- › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)

9

9

9

9



- 1) Top Gasket Set**
- › C3802363
- 2) Bottom Gsk Set**
- › C3802376
- 3) Head Gasket**
- › C3921394
- 4) Oil Pan Gasket**
- › C3931346
- 5) Valve Cover Gsk**
- › C3902666
- 6) Gear Housing Gsk**
- › C3916131
- 7) Rear Cover Gsk**
- › C3928493
- 8) Gear Cover Gasket**
- › C3914385
- 9) Front Gear Housing**
- › C5267784

7

9

9



- 1) Bushing, Piston**
- › C4891178 x6
- 2) Bushing, Cam**
- › C3901306 x1
- 3) Bolt, Con Rod**
- › C3900919
  - › C4891179
- 4) Con Rod**
- › C3901569
  - › C4943979
- 5) Bolt, Ex Manifold**
- › C3944593
  - › C3944655
- 6) Spacer, Ex Manifold**
- › C3945252

3

8

8

11

12



- 1) Camshaft**
- › C3914639
- 2) Tappet**
- › C3925031
- 3) Push Rod**
- › C3904679
- 4) Rocker Arms**
- › C3910811 x6
  - › C3910810 x6
- 5) Camshaft Gear**
- › C3907431
- 6) Camshaft Key**
- › C3902332

**Guide, Valve**

- › C3904408 Thick 60.50 mm IN
- › C3904409 Thick 51.75 mm EX
- › C3906206 Thin Wall

1

- 1) Intake, Valve Kit**
- › C3802355 Kit
- Consists of:**
- › C3901117 x1 Valve
  - › C3900250 x2 Collet
- 2) Insert, Valve**
- › C3906854
- Use 6**

**1) Exhaust, Valve Kit**

- › C3802356 Kit
- Consists of:**
- › C3901607 x1 Valve
  - › C3900250 x2 Collet
- 2) Insert, Valve**
- › C3904105
- Use 6**

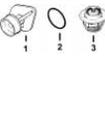
**1) Spring, Valve**

- › C3900276 x12
- 2) Seal, Valve**
- › C3921640 x12
  - › C3957912 x12
- 3) Retainer, Valve**
- › C3900299 x12

5

6

5

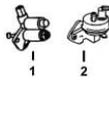


- 1) Water Pump**
- › C3286277
- 2) Water Pump Seal**
- › C3906698
- 3) Thermostat**
- › C3802273



- Turbocharger**
- › C3802289

9



- 1) Lift Pump**
- › C3918000
  - › C3904374
- 2) Pump, Oil**
- › C3926203

2



- 1) Cylinder Head**
- › C3913381
- 2) Head Bolt Kit**
- › C6B-HBK
- 3) Block Exp Plug Kit**
- › C6BEXPK

13

4



- 1) Repair Sleeve**
- › C3904166
- 2) Injector**
- › C3909476 9mm
  - › C3919331 7mm
  - › C3919343 7mm
- 3) Belt Tensioner**
- › C3914086

9

9

9

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Desc:**

(CDC 6.590)

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
NON –  
EMISSION

**Engine Info:**

6 Cyl

**Engine Dimensions:**

359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

7156

Please see  
page **636** for a  
complete list of  
equipment  
models.



**1) Engine O/H Kit**

- › COK2100/6 Std
- › COK2102/6 0.50 mm
- › COK2104/6 1.00 mm

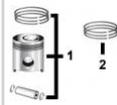
**2) O/H Kit Fractured Rod**

- › COK2100F/6 Std
- › COK2102F/6 0.50
- › COK2104F/6 1.00

**3) Engine I/F Kit**

- › CIK2100/6 Std
- › CIK2102/6 0.50 mm
- › CIK2104/6 1.00 mm
- › SPEC SHEET - 6BT 5.9

10



**Piston & Ring Kit**

- › C3802100 Std
- › C3802102 0.50 mm
- › C3802104 1.00 mm

**Use 6**



**Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1**



**Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced  
and sold per shell**



**Fractured Con Rod Bearing**

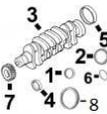
- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced  
and sold per shell**

10

**Piston Kit:**

- 1) 1 [C3907156](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3907157](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3907158](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3901793](#) Piston Pin, 2 [C3901706](#) Ret.



**1) Front Seal**

- › C3904353

**2) Rear Seal**

- › C3353978

**3) Crankshaft**

- › C3907804

**4) Front Seal Sleeve**

- › C3906080

**5) Rear Seal Sleeve**

- › C3906081

**6) Rectangular Seal**

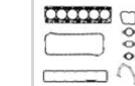
- › C3912473

**7) Crankshaft, Gear**

- › C3901258

**Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)



**1) Top Gasket Set**

- › C3802363

**2) Bottom Gsk Set**

- › C3802376

**3) Head Gasket**

- › C3921394

**4) Oil Pan Gasket**

- › C3931346

**5) Valve Cover Gsk**

- › C3902666

**6) Gear Housing Gsk**

- › C3916131

**7) Rear Cover Gsk**

- › C3928493

**8) Gear Cover Gasket**

- › C3914385

**9) Front Gear Housing**

- › C5267784



**1) Bushing, Piston**

- › C4891178 x6

**2) Bushing, Cam**

- › C3901306 x1

**3) Bolt, Con Rod**

- › C3900919
- › C4891179

**4) Con Rod**

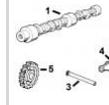
- › C3901569
- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593
- › C3944655

**6) Spacer, Ex Manifold**

- › C3945252



**1) Camshaft**

- › C3914639

**2) Tappet**

- › C3925031

**3) Push Rod**

- › C3904679

**4) Rocker Arms**

- › C3910811 x6
- › C3910810 x6

**5) Camshaft Gear**

- › C3907431

**6) Camshaft Key**

- › C3902332

**Guide, Valve**

- › C3904408 Thick 60.50 mm IN
- › C3904409 Thick 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit

**Consists of:**

- › C3901117 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3906854

**Use 6**

**1) Exhaust, Valve Kit**

- › C3802356 Kit

**Consists of:**

- › C3901607 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3904105

**Use 6**

**1) Spring, Valve**

- › C3900276

**2) Seal, Valve**

- › C3921640 x12
- › C3957912 x12

**3) Retainer, Valve**

- › C3900299 x12



**1) Water Pump**

- › C3286277

**2) Water Pump Seal**

- › C3906698

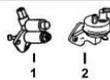
**3) Thermostat**

- › C3802273



**Turbocharger**

- › C3802289



**1) Lift Pump**

- › C3918000
- › C3904374

**2) Pump, Oil**

- › C3926203



**1) Cylinder Head**

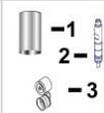
- › C3913381

**2) Head Bolt Kit**

- › C6B-HBK

**3) Block Exp Plug Kit**

- › C6BEXPK



**1) Repair Sleeve**

- › C3904166

**2) Injector**

- › C3909476 9mm
- › C3919343 7mm

**3) Belt Tensioner**

- › C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6B 5.9

**Engine Desc:**

(CDC 6.590)

**Engine Data:**

NATURALLY  
ASPIRATED  
NON –  
EMISSION

**Engine Info:**

6 Cyl

**Engine  
Dimensions:**

359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

6223

Please see  
page 637 for a  
complete list of  
equipment  
models.



**1) Engine O/H Kit**

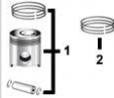
- › COK2060/6 Std
- › COK2062/6 0.50 mm
- › COK2064/6 1.00 mm

**2) O/H Kit Fractured Rod**

- › COK2060F/6 Std
- › COK2062F/6 0.50
- › COK2064F/6 1.00

**3) Engine I/F Kit**

- › CIK2060/6 Std
- › CIK2062/6 0.50 mm
- › CIK2064/6 1.00 mm
- › SPEC SHEET - 6BT 5.9



**Piston & Ring Kit**

- › C3802060 Std
- › C3802062 0.50 mm
- › C3802064 1.00 mm

**Use 6**



**Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1**



**Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced  
and sold per shell**



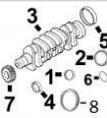
**Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced  
and sold per shell**

**Piston Kit:**

- 1) 1 C3906223 Piston Std, 1 C3802040 Ring Set Std, 1 C3901793 Piston Pin, 2 C3901706 Ret.
- 2) 1 C3906209 Piston 0.50 mm, 1 C3802042 Ring Set 0.50 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.
- 3) 1 C3906208 Piston 1.00 mm, 1 C3802044 Ring Set 1.00 mm, 1 C3901793 Piston Pin, 2 C3901706 Ret.



**1) Front Seal**

- › C3904353

**2) Rear Seal**

- › C3353978

**3) Crankshaft**

- › C3907804

**4) Front Seal Sleeve**

- › C3906080

**5) Rear Seal Sleeve**

- › C3906081

**6) Rectangular Seal**

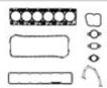
- › C3912473

**7) Crankshaft, Gear**

- › C3901258

**8) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)



**1) Top Gasket Set**

- › C3802363

**2) Bottom Gsk Set**

- › C3802376

**3) Head Gasket**

- › C3921394

**4) Oil Pan Gasket**

- › C3931346

**5) Valve Cover Gsk**

- › C3902666

**6) Gear Housing Gsk**

- › C3916131

**7) Rear Cover Gsk**

- › C3928493

**8) Gear Cover Gasket**

- › C3914385

**9) Front Gear Housing**

- › C5267784



**1) Bushing, Piston**

- › C4891178 x6

**2) Bushing, Cam**

- › C3901306 x1

**3) Bolt, Con Rod**

- › C3900919

- › C4891179

**4) Con Rod**

- › C3901569

- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593

- › C3944655

**6) Spacer, Ex Manifold**

- › C3945252



**1) Camshaft**

- › C3914639

**2) Tappet**

- › C3925031

**3) Push Rod**

- › C3904679

**4) Rocker Arms**

- › C3910811 x6

- › C3910810 x6

**5) Camshaft Gear**

- › C3907431

**6) Camshaft Key**

- › C3902332

**Guide, Valve**

- › C3904408 Thick 60.50 mm IN
- › C3904409 Thick 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit

**Consists of:**

- › C3901117 x1 Valve

- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3906854

**Use 6**

**1) Exhaust, Valve Kit**

- › C3802356 Kit

**Consists of:**

- › C3901607 x1 Valve

- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3904105

**Use 6**

**1) Spring, Valve**

- › C3900276 x12

**2) Seal, Valve**

- › C3921640 x12

- › C3957912 x12

**3) Retainer, Valve**

- › C3900299 x12



**1) Water Pump**

- › C3286277

**2) Water Pump Seal**

- › C3906698

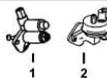
**3) Thermostat**

- › C3802273



**1) Pump, Oil**

- › C3926203

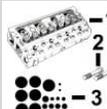


**1) Lift Pump**

- › C3918000

**2) Lift Pump**

- › C3904374



**1) Cylinder Head**

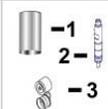
- › C3913381

**2) Head Bolt Kit**

- › C6B-HBK

**3) Block Exp Plug Kit**

- › C6BEXPK



**1) Repair Sleeve**

- › C3904166

**2) Injector**

- › C3914474 9mm

- › C3919304 7mm

**3) Belt Tensioner**

- › C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BT 5.9

**Engine Desc:**

(CDC 6.590)

**Engine Data:**TURBOCHARGED  
NON –  
EMISSION**Engine Info:**

6 Cyl

**Engine Dimensions:**359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm**Piston (M):**

1400

**1) Engine O/H Kit**

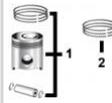
- ▶ COK1400/6 Std
- ▶ COK2049/6 0.50 mm
- ▶ COK2050/6 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK1400F/6 Std
- ▶ COK2049F/6 0.50
- ▶ COK2050F/6 1.00

**3) Engine I/F Kit**

- ▶ CIK1400/6 Std
- ▶ CIK2049/6 0.50 mm
- ▶ CIK2050/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802170 Std
- ▶ C3802172 0.50 mm
- ▶ C3802174 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C3911400](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3912049](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3912050](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**Cummins CPL's**953 - Marine  
Engines970 - Marine  
Engines

1165

1247 - Marine  
Engines

1313

1322 - Marine  
Engines1570 - Marine  
Engines1613 - Marine  
Engines

1638

1928 - Marine  
Engines**Terex**

VDA 600 -

Asphalt Paver

VDA 621 -

Asphalt Paver

VDA 700 -

Asphalt Paver

VDA 721 -

Asphalt Paver

**Stavostroj**

VV1400D -

Vibratory

Compactor

VV900 -

Vibratory

Compactor

VV900D -

Vibratory

Compactor

**YTO**

YL25 -

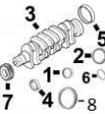
Pneumatic

Roller

LGS1822B -

Static Smooth

Drum Roller

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

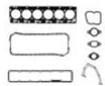
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919

- ▶ C4891179

**4) Con Rod**

- ▶ C3901569

- ▶ C4943979

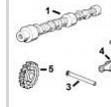
**5) Bolt, Ex Manifold**

- ▶ C3944593

- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3914639

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x6

- ▶ C3910810 x6

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve

- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve

- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12

- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

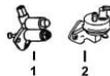
- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

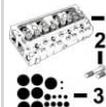
- ▶ C3926203

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

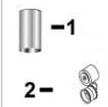
- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

(14): Rear and Front Crank seals are included

**Engine Series:**

B

**Engine Model:**

6BT 5.9

**Engine Data:**TURBOCHARGED  
EMISSION**Engine Info:**

6 Cyl

**Engine Dimensions:**359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm**Piston (M):**

6632

Please see  
page 638 for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

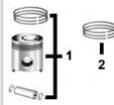
- ▶ COK2562/6 Std
- ▶ COK2564/6 0.50 mm
- ▶ COK2565/6 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK2562F/6 Std
- ▶ COK2564F/6 0.50
- ▶ COK2565F/6 1.00

**3) Engine I/F Kit**

- ▶ CIK2562/6 Std
- ▶ CIK2564/6 0.50 mm
- ▶ CIK2565/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802562 Std
- ▶ C3802564 0.50 mm
- ▶ C3802565 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C3926632](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3926634](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3926635](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

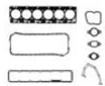
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C3931382
- ▶ C5267783

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919

- ▶ C4891179

**4) Con Rod**

- ▶ C3901569

- ▶ C4943979

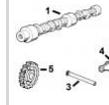
**5) Bolt, Ex Manifold**

- ▶ C3944593

- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3914639

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x6

- ▶ C3910810 x6

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12

- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

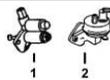
- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

- ▶ C3926203

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

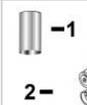
- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
EMISSION

**Engine Info:**

6 Cyl

**Engine****Dimensions:**

359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

2571

**1) Engine O/H Kit**

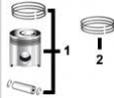
- ▶ COK2487/6 Std
- ▶ COK2493/6 0.50 mm
- ▶ COK2495/6 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK2487F/6 Std
- ▶ COK2493F/6 0.50
- ▶ COK2495F/6 1.00

**3) Engine I/F Kit**

- ▶ CIK2487/6 Std
- ▶ CIK2493/6 0.50 mm
- ▶ CIK2495/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802487 Std
- ▶ C3802493 0.50 mm
- ▶ C3802495 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell

**Fractured Con Rod Bearing**

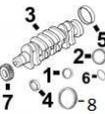
- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

**Piston Kit:**

- 1) 1 [C3922571](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
2) 1 [C3922574](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
3) 1 [C3922575](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

Please see  
page 639 for a  
complete list of  
equipment  
models.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

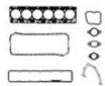
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C3931382
- ▶ C5267782

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919

- ▶ C4891179

**4) Con Rod**

- ▶ C3901569

- ▶ C4943979

**5) Bolt, Ex Manifold**

- ▶ C3944593

- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3914639

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x6

- ▶ C3910810 x6

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12
- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

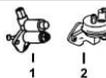
- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

- ▶ C3926203

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

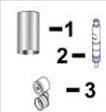
- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Injector**

- ▶ C3929490

**3) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
EMISSION

**Engine Info:**

6 Cyl

**Engine****Dimensions:**

359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

7619

**1) Engine O/H Kit**

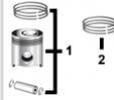
- ▶ COK2251/6 Std
- ▶ COK2252/6 0.50 mm
- ▶ COK2253/6 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK2251F/6 Std
- ▶ COK2252F/6 0.50
- ▶ COK2253F/6 1.00

**3) Engine I/F Kit**

- ▶ CIK2251/6 Std
- ▶ CIK2252/6 0.50 mm
- ▶ CIK2253/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802251 Std
- ▶ C3802252 0.50 mm
- ▶ C3802253 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell

**Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

**Piston Kit:**

- 1) 1 [C3917619](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
2) 1 [C3919047](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
3) 1 [C3919048](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**Cummins CPL's**

987

1261

1422

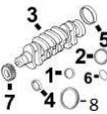
1527

**Skidder**

F66DS - Ranger  
F66G - Ranger  
F67 - Ranger  
F67G - Ranger  
G67G - Ranger  
F667 - Ranger

**YTO**

LRS2030 -  
Pneumatic  
Roller

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

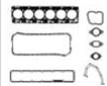
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919

- ▶ C4891179

**4) Con Rod**

- ▶ C3901569

- ▶ C4943979

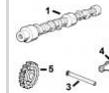
**5) Bolt, Ex Manifold**

- ▶ C3944593

- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3914639

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x6

- ▶ C3910810 x6

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12

- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

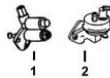
- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

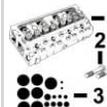
- ▶ C3926203

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

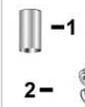
- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of <a href="http://sales.maxiforce.com/maxi/Services/winImages.aspx?type=p&id=C3901170">C3901170</a> (or O/S) and 6 of <a href="http://sales.maxiforce.com/maxi/Services/winImages.aspx?type=p&id=C4893693">C4893693</a> (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Data:**TURBOCHARGED  
EMISSION**Engine Info:**

6 Cyl

**Engine Dimensions:**359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm**Piston (M):**

9041

**Cummins CPL's**1351  
1579**LiuGong**614H -  
Vibratory  
Compactor**YTO**LRS2030 -  
Pneumatic  
Roller**Skidder**F66DS - Ranger  
F66G - Ranger  
F67 - Ranger  
F67G - Ranger  
G67G - Ranger  
F667 - Ranger**1) Engine O/H Kit**

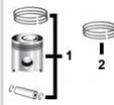
- › COK2248/6 Std
- › COK2249/6 0.50 mm
- › COK2250/6 1.00 mm

**2) O/H Kit Fractured Rod**

- › COK2248F/6 Std
- › COK2249F/6 0.50
- › COK2250F/6 1.00

**3) Engine I/F Kit**

- › CIK2248/6 Std
- › CIK2249/6 0.50 mm
- › CIK2050/6 1.00 mm
- › SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- › C3802248 Std
- › C3802249 0.50 mm
- › C3802250 1.00 mm

**Use 6****Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1****Con Rod Bearing**

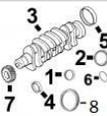
- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C3919041](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3919044](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3919045](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**1) Front Seal**

- › C3904353

**2) Rear Seal**

- › C3353978

**3) Crankshaft**

- › C3907804

**4) Front Seal Sleeve**

- › C3906080

**5) Rear Seal Sleeve**

- › C3906081

**6) Rectangular Seal**

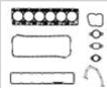
- › C3912473

**7) Crankshaft, Gear**

- › C3901258

**8) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)

**1) Top Gasket Set**

- › C3802363

**2) Bottom Gsk Set**

- › C3802376

**3) Head Gasket**

- › C3921394

**4) Oil Pan Gasket**

- › C3931346

**5) Valve Cover Gsk**

- › C3902666

**6) Gear Housing Gsk**

- › C3916131

**7) Rear Cover Gsk**

- › C3928493

**8) Gear Cover Gasket**

- › C3918673

**9) Front Gear Housing**

- › C5267784

**1) Bushing, Piston**

- › C4891178 x6

**2) Bushing, Cam**

- › C3901306 x1

**3) Bolt, Con Rod**

- › C3900919

- › C4891179

**4) Con Rod**

- › C3901569

- › C4943979

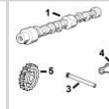
**5) Bolt, Ex Manifold**

- › C3944593

- › C3944655

**6) Spacer, Ex Manifold**

- › C3945252

**1) Camshaft**

- › C3914639

**2) Tappet**

- › C3925031

**3) Push Rod**

- › C3904679

**4) Rocker Arms**

- › C3910811 x6

- › C3910810 x6

**5) Camshaft Gear**

- › C3907431

**6) Camshaft Key**

- › C3902332

**Guide, Valve**

- › C3904408 Thick 60.50 mm IN
- › C3904409 Thick 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit

**Consists of:**

- › C3901117 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3906854

**Use 6****1) Exhaust, Valve Kit**

- › C3802356 Kit

**Consists of:**

- › C3901607 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3904105

**Use 6****1) Spring, Valve**

- › C3900276 x12

**2) Seal, Valve**

- › C3921640 x12

- › C3957912 x12

**3) Retainer, Valve**

- › C3900299 x12

**1) Water Pump**

- › C3286277

**2) Water Pump Seal**

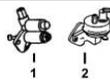
- › C3906698

**3) Thermostat**

- › C3802273

**1) Pump, Oil**

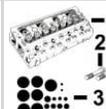
- › C3926203

**1) Lift Pump**

- › C3918000

**2) Lift Pump**

- › C3904374

**1) Cylinder Head**

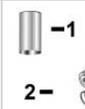
- › C3913381

**2) Head Bolt Kit**

- › C6B-HBK

**3) Block Exp Plug Kit**

- › C6BEXPK
- › C6BEXPKS

**1) Repair Sleeve**

- › C3904166

**2) Belt Tensioner**

- › C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket..

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED  
EMISSION

**Engine Info:**

6 Cyl

**Engine****Dimensions:**

359 Cubic Inch  
Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm

**Piston (M):**

8673

**1) Engine O/H Kit**

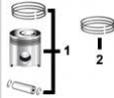
- ▶ COK2747/6 Std
- ▶ COK2764/6 0.50 mm
- ▶ COK2765/6 1.00 mm

**2) O/H Kit Fractured Rod**

- ▶ COK2747F/6 Std
- ▶ COK2764F/6 0.50
- ▶ COK2765F/6 1.00

**3) Engine I/F Kit**

- ▶ CIK2747/6 Std
- ▶ CIK2764/6 0.50 mm
- ▶ CIK2765/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802747 Std
- ▶ C3802764 0.50 mm
- ▶ C3802765 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

Rod bearings are priced  
and sold per shell

**Fractured Con Rod Bearing**

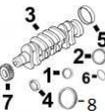
- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

Rod bearings are priced  
and sold per shell

**Piston Kit:**

- 1) 1 [C3928673](#) Piston Std, 1 [C3802230](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
2) 1 [C3928674](#) Piston 0.50 mm, 1 [C3802232](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.  
3) 1 [C3928675](#) Piston 1.00 mm, 1 [C3802234](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

Please see  
page 640 for a  
complete list of  
equipment  
models.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

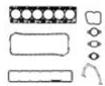
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C3931382
- ▶ C5267782

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919
- ▶ C4891179

**4) Con Rod**

- ▶ C3901569
- ▶ C4943979

**5) Bolt, Ex Manifold**

- ▶ C3944593
- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Camshaft**

- ▶ C3914639

**2) Tappet**

- ▶ C3925031

**3) Push Rod**

- ▶ C3904679

**4) Rocker Arms**

- ▶ C3910811 x6
- ▶ C3910810 x6

**5) Camshaft Gear**

- ▶ C3907431

**6) Camshaft Key**

- ▶ C3902332

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12
- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

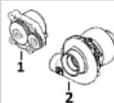
- ▶ C3286277

**2) Water Pump Seal**

- ▶ C3906698

**3) Thermostat**

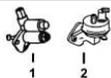
- ▶ C3802273

**Pump, Oil**

- ▶ C3926203

**2) Turbocharger**

- ▶ C3537132

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

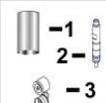
- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Injector**

- ▶ C3929490

**3) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 4 of C3901170 (or O/S) and 4 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**

B

**Engine Model:**

6BTA 5.9

**Engine Data:**TURBOCHARGED  
AFTERCOOLED**Engine Info:**

6 Cyl

**Engine Dimensions:**Bore: 4.02 in /  
102 mm Stroke:  
4.72 in / 119  
mm**Piston (M):**

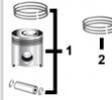
0187

**Cummins CPL's**1889  
2063  
2479  
8085  
8108  
8208**LiuGong**614H -  
Vibratory  
Compactor**YTO**LRS2030 -  
Pneumatic  
Roller**Skidder**F66DS  
F66G  
F67  
F67G  
G67G  
F667**1) Engine O/H Kit**

- ▶ COK2757/6 Std
- ▶ COK2758/6 0.50 mm
- ▶ COK2759/6 1.00 mm

**3) Engine I/F Kit**

- ▶ CIK2757/6 Std
- ▶ CIK2758/6 0.50 mm
- ▶ CIK2759/6 1.00 mm
- ▶ SPEC SHEET - 6BT 5.9

**Piston & Ring Kit**

- ▶ C3802757 Std
- ▶ C3802758 0.50 mm
- ▶ C3802759 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

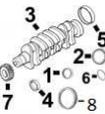
- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C3930187](#) Piston Std, 1 [C3802750](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3930188](#) Piston 0.50 mm, 1 [C3802863](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3930189](#) Piston 1.00 mm, 1 [C3802864](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3907804

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

- ▶ C3906081

**6) Rectangular Seal**

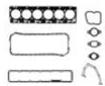
- ▶ C3912473

**7) Crankshaft, Gear**

- ▶ C3901258

**8) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C3802363

**2) Bottom Gsk Set**

- ▶ C3802376

**3) Head Gasket**

- ▶ C3921394

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3902666

**6) Gear Housing Gsk**

- ▶ C3916131

**7) Rear Cover Gsk**

- ▶ C3928493

**8) Gear Cover Gasket**

- ▶ C3918673

**9) Front Gear Housing**

- ▶ C3931382
- ▶ C5267783

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3901306 x1

**3) Bolt, Con Rod**

- ▶ C3900919
- ▶ C4891179

**4) Con Rod**

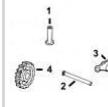
- ▶ C3901569
- ▶ C4943979

**5) Bolt, Ex Manifold**

- ▶ C3944593
- ▶ C3944655

**6) Spacer, Ex Manifold**

- ▶ C3945252

**1) Tappet**

- ▶ C3925031

**2) Push Rod**

- ▶ C3904679

**3) Rocker Arms**

- ▶ C3910811 x6
- ▶ C3910810 x6

**4) Camshaft Gear**

- ▶ C3907431

**Guide, Valve**

- ▶ C3904408 Thick 60.50 mm IN
- ▶ C3904409 Thick 51.75 mm EX
- ▶ C3906206 Thin Wall

**1) Intake, Valve Kit**

- ▶ C3802355 Kit

**Consists of:**

- ▶ C3901117 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3906854

**Use 6****1) Exhaust, Valve Kit**

- ▶ C3802356 Kit

**Consists of:**

- ▶ C3901607 x1 Valve
- ▶ C3900250 x2 Collet

**2) Insert, Valve**

- ▶ C3904105

**Use 6****1) Spring, Valve**

- ▶ C3900276 x12

**2) Seal, Valve**

- ▶ C3921640 x12
- ▶ C3957912 x12

**3) Retainer, Valve**

- ▶ C3900299 x12

**1) Water Pump**

- ▶ C3286277

**2) Water Pump Seal**

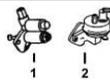
- ▶ C3906698

**3) Thermostat**

- ▶ C3802273

**1) Pump, Oil**

- ▶ C3926203

**1) Lift Pump**

- ▶ C3918000

**2) Lift Pump**

- ▶ C3904374

**1) Cylinder Head**

- ▶ C3913381

**2) Head Bolt Kit**

- ▶ C6B-HBK

**3) Block Exp Plug Kit**

- ▶ C6BEXPK
- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Can be Used on both Intake and Exhaust.

(3): For Storm blocks use C3940059.

(5): For use on engines prior to April, 2003.

(7): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(9): Check for proper application.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Diaphragm Style.

(4): Do not use on Marine Engines.

(6): For use on engines from April, 2003, (Top Hat Style).

(8): C3901569 Machine Split Rod. C4943979 Fracture Split Rod.

(10): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(12): Studded Flange Cap Screw.

**Engine Series:**  
ISB

**Engine Model:**  
6BTA 5.9 ISB

**Engine Data:**  
24 VALVE  
359 Cubic Inch

**Engine Info:**  
6 Cyl

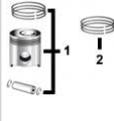
**Engine Dimensions:**  
Bore: 4.02 in /  
102.108 mm  
Stroke: 4.72 in /  
119.888 mm

**Piston (M):**  
6153

Please see page **641** for a complete list of equipment models.



- 1) **Engine O/H Kit**
  - ▶ COK0781/6 Std
  - ▶ COK0784/6 0.50 mm
  - ▶ COK0785/6 1.00 mm
- 2) **O/H Kit Fractured Rod**
  - ▶ COK0781F/6 Std
  - ▶ COK0784F/6 0.50
  - ▶ COK0785F/6 1.00
- 3) **Engine I/F Kit**
  - ▶ CIK0781/6 Std
  - ▶ CIK0784/6 0.50 mm
  - ▶ CIK0785/6 1.00 mm
  - ▶ SPEC SHEET - 6BTA 5.9 ISB



- 1) **Piston & Ring Kit**
    - ▶ C3800781 Std
    - ▶ C3800784 0.50 mm
    - ▶ C3800785 1.00 mm
- Use 6**



- Main Bearing Set**
    - ▶ C3802070 Std
    - ▶ C3802071 0.25 mm
    - ▶ C3802072 0.50 mm
    - ▶ C3802073 0.75 mm
- Use 1**



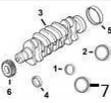
- Con Rod Bearing**
    - ▶ C3901170 Std
    - ▶ C3901171 0.25 mm
    - ▶ C3901172 0.50 mm
    - ▶ C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



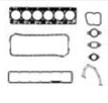
- Fractured Con Rod Bearing**
    - ▶ C4893693 Std
    - ▶ C4892795 0.25 mm
    - ▶ C4892796 0.50 mm
    - ▶ C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

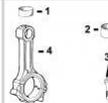
- 1) 1 [C3946153](#) Piston Std, 1 [C3804990](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3946156](#) Piston 0.50 mm, 1 [C3806201](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3946157](#) Piston 1.00 mm, 1 [C3806203](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.



- 1) **Front Seal**
  - ▶ C3904353
- 2) **Rear Seal**
  - ▶ C3353978
- 3) **Crankshaft**
  - ▶ C3944243
  - ▶ C3907804
- 4) **Front Seal Sleeve**
  - ▶ C3906080
- 5) **Rear Seal Sleeve**
  - ▶ C3926126
- 6) **Crankshaft, Gear**
  - ▶ C3929027
- 7) **Ring Gear**
  - ▶ C3903309 (173T)
  - ▶ C3905427 (127T)
  - ▶ C3901774 (159T)
  - ▶ C3902127 (138T)



- 1) **Top Gasket Set**
  - ▶ C4090035
- 2) **Bottom Gsk Set**
  - ▶ C3800487
- 3) **Head Gasket**
  - ▶ C3977063
- 4) **Oil Pan Gasket**
  - ▶ C3931346
- 5) **Valve Cover Gsk**
  - ▶ C3935878
- 6) **Gear Housing Gsk**
  - ▶ C3940182
- 7) **Gear Cover Gasket**
  - ▶ C3918673



- 1) **Bushing, Piston**
  - ▶ C4891178 x6
- 2) **Bushing, Cam**
  - ▶ C3940059 x1
- 3) **Bolt, Con Rod**
  - ▶ C3900919 x12
- 4) **Con Rod**
  - ▶ C3901569
  - ▶ C4943979



- 1) **Camshaft**
  - ▶ C3942567
- 2) **Tappet**
  - ▶ C3942565
- 3) **Push Rod**
  - ▶ C3941253
- 4) **Rocker Arms**
  - ▶ C3941927 x6
  - ▶ C3941928 x6
- 5) **Camshaft Gear**
  - ▶ C3942755

- 1) **Intake, Valve Kit**
    - ▶ C3802924 Kit
- Consists of:**
- ▶ C3940735 x1 Valve
  - ▶ C3940123 x2 Collet
- 2) **Insert, Valve**
    - ▶ C3927068
    - ▶ Use 12

- 1) **Exhaust, Valve Kit**
    - ▶ C3802967 Kit
- Consists of:**
- ▶ C3940734 x1 Valve
  - ▶ C3940123 x2 Collet
- 2) **Insert, Valve**
    - ▶ C3940139
    - ▶ Use 12

- 1) **Spring, Valve**
  - ▶ C3943161 x24
- 2) **Seal, Valve**
  - ▶ C3942989 x12
  - ▶ C3945438 x12
- 3) **Retainer, Valve**
  - ▶ C3943198 x24



- 1) **Water Pump**
  - ▶ C3286278
- 2) **Water Pump Seal**
  - ▶ C3906698
- 3) **Thermostat**
  - ▶ C3967195



- Pump, Oil**
  - ▶ C4939587
  - ▶ C3926203



- 1) **Lift Pump**
  - ▶ C3945812



- 1) **Head Bolts**
  - ▶ C3927063 x26
- 2) **Block Exp Plug Kit**
  - ▶ C6BEXPKS



- 1) **Repair Sleeve**
  - ▶ C3904166
- 2) **Belt Tensioner**
  - ▶ C3914086

(1): Include Crankshaft Gear C3929027.

(3): With Helical Gears.

(5): Machine split connecting rod.

(7): Check for proper application.

(2): With Hardened Pulley.

(4): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(6): Fracture split connecting rod.

(8): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

**CUMMINS 6BTA 5.9 ISB PISTON (M): 6050**

**Engine Series:**

ISB

**Engine Model:**

6BTA 5.9 ISB

**Engine Data:**24 VALVE  
359 Cubic Inch**Engine Info:**

6 Cyl

**Engine****Dimensions:**Bore: 4.02 in /  
102.108 mm  
Stroke: 4.72 in /  
119.888 mm**Piston (M):**

6050

**1) Engine O/H Kit**

- ▶ COK0838/6 Std
- ▶ COK0841/6 0.50 mm
- ▶ COK0842/6 1.00 mm

**2) O/H Kit Fractured Rod**

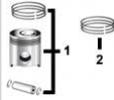
- ▶ COK0838F/6 Std
- ▶ COK0841F/6 0.50 mm
- ▶ COK0842F/6 1.00 mm

**3) Engine I/F Kit**

- ▶ CIK0838/6 Std
- ▶ CIK0841/6 0.50 mm
- ▶ CIK0842/6 1.00 mm

**4) I/F Kit Fractured Rod**

- ▶ CIK0838F/6 Std
- ▶ CIK0841F/6 0.50 mm
- ▶ CIK0842F/6 1.00 mm
- ▶ SPEC SHEET - 6BTA 5.9 ISB

**1) Piston & Ring Kit**

- ▶ C3800838 Std
- ▶ C3800841 0.50 mm
- ▶ C3800842 1.00 mm

**Use 6****Main Bearing Set**

- ▶ C3802070 Std
- ▶ C3802071 0.25 mm
- ▶ C3802072 0.50 mm
- ▶ C3802073 0.75 mm

**Use 1****Con Rod Bearing**

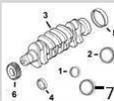
- ▶ C3901170 Std
- ▶ C3901171 0.25 mm
- ▶ C3901172 0.50 mm
- ▶ C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- ▶ C4893693 Std
- ▶ C4892795 0.25 mm
- ▶ C4892796 0.50 mm
- ▶ C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Cummins CPL's**2415  
2495  
2906  
2907  
8034  
8035**Piston Kit:**

- 1) 1 [C3946050](#) Piston Std, 1 [C3804990](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 2) 1 [C3946053](#) Piston 0.50 mm, 1 [C3806201](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.
- 3) 1 [C3946054](#) Piston 1.00 mm, 1 [C3806203](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.

**1) Front Seal**

- ▶ C3904353

**2) Rear Seal**

- ▶ C3353978

**3) Crankshaft**

- ▶ C3944243

**4) Front Seal Sleeve**

- ▶ C3906080

**5) Rear Seal Sleeve**

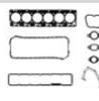
- ▶ C3926126

**6) Crankshaft, Gear**

- ▶ C3929027

**7) Ring Gear**

- ▶ C3903309 (173T)
- ▶ C3905427 (127T)
- ▶ C3901774 (159T)
- ▶ C3902127 (138T)

**1) Top Gasket Set**

- ▶ C4090035

**2) Bottom Gsk Set**

- ▶ C3800487

**3) Head Gasket**

- ▶ C3977063

**4) Oil Pan Gasket**

- ▶ C3931346

**5) Valve Cover Gsk**

- ▶ C3935878

**6) Gear Housing Gsk**

- ▶ C3940182

**7) Gear Cover Gasket**

- ▶ C3918673

**1) Bushing, Piston**

- ▶ C4891178 x6

**2) Bushing, Cam**

- ▶ C3940059 x1

**3) Bolt, Con Rod**

- ▶ C3900919 x12

**4) Con Rod**

- ▶ C3901569
- ▶ C4943979

**1) Camshaft**

- ▶ C3942567

**2) Tappet**

- ▶ C3942565

**3) Push Rod**

- ▶ C3941253

**4) Rocker Arms**

- ▶ C3941927 x6
- ▶ C3941928 x6

**5) Camshaft Gear**

- ▶ C3942755

**1) Intake, Valve Kit**

- ▶ C3802924 Kit

**Consists of:**

- ▶ C3940735 x1 Valve
- ▶ C3940123 x2 Collet

**2) Insert, Valve**

- ▶ C3927068

**Use 12****1) Exhaust, Valve Kit**

- ▶ C3802967 Kit

**Consists of:**

- ▶ C3940734 x1 Valve
- ▶ C3940123 x2 Collet

**2) Insert, Valve**

- ▶ C3940139

**Use 12****1) Spring, Valve**

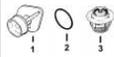
- ▶ C3943161 x24

**2) Seal, Valve**

- ▶ C3942989 x12
- ▶ C3945438 x12

**3) Retainer, Valve**

- ▶ C3943198 x24

**1) Water Pump**

- ▶ C3286278

**2) Water Pump Seal**

- ▶ C3906698

**3) Thermostat**

- ▶ C3967195

**Pump, Oil**

- ▶ C4939587

- ▶ C3926203

**1) Lift Pump**

- ▶ C3945812

**1) Head Bolts**

- ▶ C3927063 x26

**2) Block Exp Plug Kit**

- ▶ C6BEXPKS

**1) Repair Sleeve**

- ▶ C3904166

**2) Belt Tensioner**

- ▶ C3914086

(1): Include Crankshaft Gear C3929027.

(3): With Helical Gears.

(5): Machine split connecting rod.

(7): Check for proper application.

(2): With Hardened Pulley.

(4): Applications with internally cast oil suction tube in Aluminum oil pan, must use 3938161 oil pan gasket.

(6): Fracture split connecting rod.

(8): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

**Engine Series:**  
ISB

**Engine Model:**  
6BTA 5.9 ISB

**Engine Desc:**  
ISB 235-250

**Engine Data:**  
24 Valve  
Front Gear  
Train (FGT)  
HPCR Fuel  
System

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 4.02 in /  
102 mm  
Stroke: 4.72 in /  
120 mm

**Piston (M):**  
8675

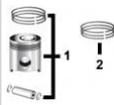
**Cummins CPL's**

2624  
8212  
8218  
8223  
8224  
8226  
8410  
8412

**Dodge Truck,  
Ram 2500-3500  
Non-HO Engine**  
2003-2004



- 1) **Engine O/H Kit**
  - COK9260/6 Std
  - COK9185/6 0.50 mm
- 2) **Engine I/F Kit**
  - CIK9260/6 STD
  - CIK9185/6 .50MM
  - SPEC SHEET - 6BTA 5.9 ISB



- 1) **Piston & Ring Kit**
    - C4089260 Std
    - C4089185 0.50 mm
- Use 6**



- Main Bearing Set**
    - C3802070 Std
    - C3802071 0.25 mm
    - C3802072 0.50 mm
    - C3802073 0.75 mm
- Use 1**



- Con Rod Bearing**
    - C3901170 Std
    - C3901171 0.25 mm
    - C3901172 0.50 mm
    - C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



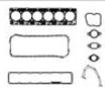
- Fractured Con Rod Bearing**
    - C4893693 Std
    - C4892795 0.25 mm
    - C4892796 0.50 mm
    - C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 [C3958675](#) Piston Std, 1 [C4089258](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3949843](#) Piston 0.50 mm, 1 [C4089181](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.



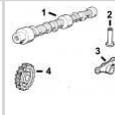
- 1) **Front Seal**
  - C3904353
- 2) **Rear Seal**
  - C3353978
- 3) **Crankshaft, Gear**
- 4) **Crankshaft**
  - C4980462
- 5) **Ring Gear**
  - C3903309 (173T)
  - C3905427 (127T)
  - C3901774 (159T)
  - C3902127 (138T)



- 1) **Top Gasket Set**
  - C4089819
- 2) **Bottom Gasket Set**
  - C4089173
- 3) **Head Gasket**
  - C3958644 1.18MM
  - C3958645 1.25MM
- 4) **Oil Pan Gasket**
  - C3958165
- 5) **Valve Cover Gasket**
  - C3954324



- 1) **Bushing, Piston Pin**
  - C4891178 x6
- 2) **Bushing, Cam**
  - C3940059 x1
- 3) **Bolt, Con Rod**
  - C4891179 x12
- 4) **Con Rod**
  - C4943979
- 5) **Bolt, Ex Manifold**
  - C3944593
- 6) **Exhaust Stud**
  - C3944655



- 1) **Camshaft**
  - C3947007
- 2) **Tappet**
  - C3947759
- 3) **Rocker Arms**
  - C3941927 x6 Intake
  - C3941928 x6 Exhaust
- 4) **Camshaft Gear**
- 5) **Push Rod**
  - C3941253

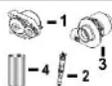
- 1) **Intake, Valve Kit**
    - C3802924 Kit
  - Consists of:**
    - C3940735 x1 Valve
    - C3940123 x2 Collet
  - 2) **Insert, Valve**
    - C3943449
- Use 12**

- 1) **Exhaust, Valve Kit**
    - C4955210 Kit
  - Consists of:**
    - C3968183 x1 Valve
    - C3940123 x2 Collet
  - 2) **Insert, Valve**
    - C3943450
- Use 12**

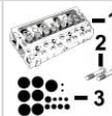
- 1) **Valve Spring**
  - C4936080 x24
- 2) **Seal, Valve**
  - C3955393 x24
- 3) **Retainer, Valve**
  - C3943198 x24



- 1) **Water Pump**
  - C2881804
- 2) **Water Pump Seal**
  - C3906698
- 3) **Thermostat**
  - C4090093



- 1) **Oil Pump**
  - C4988801
- 2) **Fuel Injector**
  - C3949619
- 3) **Turbocharger**
  - C4089797
- 4) **Repair Sleeve**
  - C3904166



- 1) **Cylinder Head**
  - C5282703
  - C5282703UF
- 2) **Head Bolt**
  - C3927063 x26
- 3) **Expansion Plug Kit**
- 4) **Belt Tensioner**
  - C3947574

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(4): Includes front and rear crankshaft seals.

(7): Bare head

(2): C3944593 is a flanged head cap screw. If a studed flange cap screw is needed, please order C3944655.

(4): Contains C3958645 head gasket.

(6): Fits Chrysler/Dodge applications only.

**CUMMINS 5.9 ISB, RGT, 8675**

**Engine Series:**  
ISB

**Engine Model:**  
6BTA 5.9 ISB

**Engine Desc:**  
ISB 215-235

**Engine Data:**  
24 Valve  
Rear Gear Train (RGT)  
HPCR Fuel System

**Engine Info:**  
6 Cyl

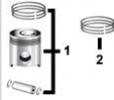
**Engine Dimensions:**  
Bore: 4.02 in / 102 mm  
Stroke: 4.72 in / 120 mm

**Piston (M):**  
8675

**Cummins CPL's**  
8136



- 1) **Engine O/H Kit**
  - COK9260/6RGT Std
  - COK9185/6RGT 0.50 mm
- 2) **Engine I/F Kit**
  - CIK9260/6RGT STD
  - CIK9185/6RGT .50MM
  - SPEC SHEET - 6BTA 5.9 ISB



- 1) **Piston & Ring Kit**
    - C4089260 Std
    - C4089185 0.50 mm
- Use 6**



- 1) **Main Bearing Set**
    - C3802070 Std
    - C3802071 0.25 mm
    - C3802072 0.50 mm
    - C3802073 0.75 mm
- Use 1**



- 1) **Con Rod Bearing**
    - C3901170 Std
    - C3901171 0.25 mm
    - C3901172 0.50 mm
    - C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



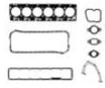
- 1) **Fractured Con Rod Bearing**
    - C4893693 Std
    - C4892795 0.25 mm
    - C4892796 0.50 mm
    - C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 [C3958675](#) Piston Std, 1 [C4089258](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3949843](#) Piston 0.50 mm, 1 [C4089181](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.



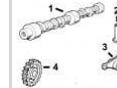
- 1) **Front Seal**
  - C3904353
- 2) **Rear Seal**
  - C3353978
- 3) **Crankshaft, Gear**
- 4) **Crankshaft**
  - C4896766
- 5) **Ring Gear**
  - C3903309 (173T)
  - C3905427 (127T)
  - C3901774 (159T)
  - C3902127 (138T)



- 1) **Top Gasket Set**
  - C4089263
- 2) **Bottom Gasket Set**
  - C4089264
- 3) **Head Gasket**
  - C3958644 1.18MM
  - C3958645 1.25MM
- 4) **Oil Pan Gasket**
  - C3959797
- 5) **Valve Cover Gasket**
  - C3954324



- 1) **Bushing, Piston Pin**
  - C4891178 x6
- 2) **Bushing, Cam**
  - C3940059 x2
- 3) **Bolt, Con Rod**
  - C4891179 x12
- 4) **Con Rod**
  - C4943979
- 5) **Bolt, Ex Manifold**
  - C3944593
- 6) **Exhaust Stud**
  - C3944655



- 1) **Camshaft**
  - C3979506
- 2) **Tappet**
  - C3947759
- 3) **Rocker Arms**
  - C3941927 x6 Intake
  - C3941928 x6 Exhaust
- 4) **Camshaft Gear**
- 5) **Push Rod**
  - C3941253

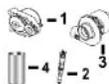
- 1) **Intake, Valve Kit**
    - C3802924 Kit
- Consists of:**
- C3940735 x1 Valve
  - C3940123 x2 Collet
- 2) **Insert, Valve**
    - C3943449
- Use 12**

- 1) **Exhaust, Valve Kit**
    - C4955210 Kit
- Consists of:**
- C3968183 x1 Valve
  - C3940123 x2 Collet
- 2) **Insert, Valve**
    - C3943450
- Use 12**

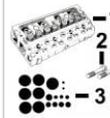
- 1) **Valve Spring**
  - C4936080 x24
- 2) **Seal, Valve**
  - C3955393 x24
- 3) **Retainer, Valve**
  - C3943198 x24



- 1) **Water Pump**
  - C3800984
- 2) **Water Pump Seal**
  - C3906698
- 3) **Thermostat**
  - C5292708



- 1) **Oil Pump**
  - C3971544
- 2) **Fuel Injector**
  - C3949619
- 3) **Turbocharger**
- 4) **Repair Sleeve**
  - C3904166



- 1) **Cylinder Head**
  - C5282703
  - C5282703UF
- 2) **Head Bolt**
  - C3927063 x26
- 3) **Expansion Plug Kit**
- 4) **Belt Tensioner**
  - C3947574

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Includes front and rear crankshaft seals.

(2): C3944593 is a flanged head cap screw. If a studed flange cap screw is needed, please order C3944655.

(4): Contains C3958645 head gasket.

(6): Bare head

**CUMMINS 5.9 ISB, FGT, 5497**

**Engine Series:**  
ISB

**Engine Model:**  
6BT 5.9 ISB

**Engine Desc:**  
ISB 305

**Engine Data:**  
24 Valve  
Front Gear  
Train (FGT)  
HPCR Fuel  
System

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 4.02 in /  
102 mm  
Stroke: 4.72 in /  
120 mm

**Piston (M):**  
5497, 9808

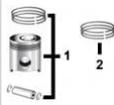
**Cummins CPL's**

2998  
8213  
8228  
8464  
8716  
8732

**Dodge Truck,  
Ram 2500-3500**  
2003-2004



- Engine O/H Kit**
  - › COK9950/6 Std
  - › COK9976/6 0.50 mm
- Engine I/F Kit**
  - › CIK9950/6 STD
  - › CIK9976/6 .50MM



- Piston & Ring Kit**
    - › C4089950 Std
    - › C4089976 0.50 mm
- Use 6**



- Main Bearing Set**
    - › C3802070 Std
    - › C3802071 0.25 mm
    - › C3802072 0.50 mm
    - › C3802073 0.75 mm
- Use 1**



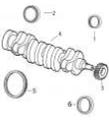
- Con Rod Bearing**
    - › C3901170 Std
    - › C3901171 0.25 mm
    - › C3901172 0.50 mm
    - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



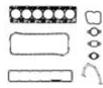
- Fractured Con Rod Bearing**
    - › C4893693 Std
    - › C4892795 0.25 mm
    - › C4892796 0.50 mm
    - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 [C3965497](#) Piston Std, 1 [C4089258](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#)Ret.  
2) 1 [C3966675](#) Piston 0.50 mm, 1 [C4089181](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.



- Front Seal**
  - › C3904353
- Rear Seal**
  - › C3353978
- Crankshaft, Gear**
- Crankshaft**
  - › C4980462
- Ring Gear**
  - › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)



- Top Gasket Set**
  - › C4089819
- Bottom Gasket Set**
  - › C4089173
- Head Gasket**
  - › C3958644 1.18MM
  - › C3958645 1.25MM
- Oil Pan Gasket**
  - › C3958165
- Valve Cover Gasket**
  - › C3954324



- Bushing, Piston Pin**
  - › C4891178 x6
- Bushing, Cam**
  - › C3940059 x1
- Bolt, Con Rod**
  - › C4891179 x12
- Con Rod**
  - › C4943979
- Bolt, Ex Manifold**
  - › C3944593
- Exhaust Stud**
  - › C3944655



- Camshaft**
  - › C3947007
- Tappet**
  - › C3947759
- Rocker Arms**
  - › C3941927 x6 Intake
  - › C3941928 x6 Exhaust
- Camshaft Gear**
- Push Rod**
  - › C3941253

- Intake, Valve Kit**
    - › C3802924 Kit

**Consists of:**

    - › C3940735 x1 Valve
    - › C3940123 x2 Collet
  - Insert, Valve**
    - › C3943449
- Use 12**



- Exhaust, Valve Kit**
    - › C4955210 Kit

**Consists of:**

    - › C3968183 x1 Valve
    - › C3940123 x2 Collet
  - Insert, Valve**
    - › C3943450
- Use 12**



- Valve Spring**
  - › C4936080 x24
- Seal, Valve**
  - › C3955393 x24
- Retainer, Valve**
  - › C3943198 x24

- Water Pump**
  - › C2881804
- Water Pump Seal**
  - › C3906698
- Thermostat**
  - › C4090093



- Oil Pump**
  - › C4988801
- Fuel Injector**
  - › C3964273
- Turbocharger**
  - › C3599891



- Cylinder Head**
  - › C5282703
  - › C5282703UF
- Head Bolt**
  - › C3927063 x26
- Expansion Plug Kit**
- Belt Tensioner**
  - › C3947574



(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Contains front and rear crankshaft seals.

(7): Bare head

(2): C3944593 is a flanged head cap screw. If a studed flange cap screw is needed, please order C3944655.

(4): Contains C3958645 head gasket.

(6): Fits Chrysler/Dodge applications only

**CUMMINS 5.9 ISB, RGT, 5497**

**Engine Series:**

ISB

**Engine Model:**

6BT 5.9 ISB

**Engine Desc:**

ISB

**Engine Data:**

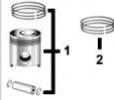
24 Valve  
Rear Gear Train (RGT)  
HPCR Fuel System

**1) Engine O/H Kit**

- › COK9950/6RGT Std
- › COK9976/6RGT 0.50 mm

**2) Engine I/F Kit**

- › CIK9950/6RGT STD
- › CIK9976/6RGT .50MM

**1) Piston & Ring Kit**

- › C4089950 Std
- › C4089976 0.50 mm

**Use 6****Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**1) 1 [C3965497](#) Piston Std, 1 [C4089258](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.2) 1 [C3966675](#) Piston 0.50 mm, 1 [C4089181](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3901706](#) Ret.**Engine Info:**

6 Cyl

**Engine Dimensions:**

Bore: 4.02 in / 102 mm  
Stroke: 4.72 in / 120 mm

**Piston (M):**

5497, 9808

**Cummins CPL's**

8123  
8134  
8135  
8416

**1) Front Seal**

- › C3904353

**2) Rear Seal**

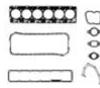
- › C3353978

**3) Crankshaft, Gear****4) Crankshaft**

- › C4896766

**5) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)

**1) Top Gasket Set**

- › C4089263

**2) Bottom Gasket Set**

- › C4089264

**3) Head Gasket**

- › C3958644 1.18MM
- › C3958645 1.25MM

**4) Oil Pan Gasket**

- › C3959797

**5) Valve Cover Gasket**

- › C3954324

**1) Bushing, Piston Pin**

- › C4891178 x6

**2) Bushing, Cam**

- › C3940059 x2

**3) Bolt, Con Rod**

- › C4891179 x12

**4) Con Rod**

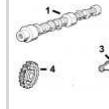
- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593

**6) Exhaust Stud**

- › C3944655

**1) Camshaft**

- › C3979506

**2) Tappet**

- › C3947759

**3) Rocker Arms**

- › C3941927 x6 Intake
- › C3941928 x6 Exhaust

**4) Camshaft Gear**

- › C3941253

**1) Intake, Valve Kit**

- › C3802924 Kit

**Consists of:**

- › C3940735 x1 Valve
- › C3940123 x2 Collet

**2) Insert, Valve**

- › C3943449

**Use 12****1) Exhaust, Valve Kit**

- › C4955210 Kit

**Consists of:**

- › C3968183 x1 Valve
- › C3940123 x2 Collet

**2) Insert, Valve**

- › C3943450

**Use 12****1) Valve Spring**

- › C4936080 x24

**2) Seal, Valve**

- › C3955393 x24

**3) Retainer, Valve**

- › C3943198 x24

**1) Water Pump**

- › C3800984

**2) Water Pump Seal**

- › C3906698

**3) Thermostat**

- › C5292708

**1) Oil Pump**

- › C3971544

**2) Fuel Injector**

- › Turbocharger

**1) Cylinder Head**

- › C5282703
- › C5282703UF

**2) Head Bolt**

- › C3927063 x26

**3) Expansion Plug Kit**

- › Belt Tensioner

- › C3947574

**(1):** Check application for proper usage.**(3):** On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).**(5):** Contains front and rear crankshaft seals.**(2):** C3944593 is a flanged head cap screw. If a studed flange cap screw is needed, please order 3944655 from an OE Cummins dealer**(4):** Contains C3958645 head gasket.**(6):** Bare head**CUMMINS 5.9 ISB, FGT, 0192**

**Engine Series:**  
ISB

**Engine Model:**  
6BTA 5.9 ISB

**Engine Desc:**  
ISB 325

**Engine Data:**  
24 Valve  
Front Gear  
Train (FGT)  
HPCR Fuel  
System

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 4.02 in /  
102 mm  
Stroke: 4.72 in /  
120 mm

**Piston (M):**  
0192

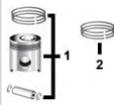
**Cummins CPL's**

- 1000
- 1083
- 1091
- 1095
- 8344
- 8345
- 8346
- 8347
- 8348
- 8349
- 8350
- 8351
- 8421
- 8422
- 8423
- 8424

**Dodge Truck,  
Ram 2500-3500**  
2004.5-2007



- 1) **Engine O/H Kit**
  - › COK9669/6 Std
  - › COK9670/6 0.50 mm
- 2) **Engine I/F Kit**
  - › CIK9669/6 STD
  - › CIK9670/6 .50MM
  - › SPEC SHEET - 6BTA 5.9 ISB



- 1) **Piston & Ring Kit**
    - › C4089669 Std
    - › C4089670 0.50 mm
- Use 6**



- 1) **Main Bearing Set**
    - › C3802070 Std
    - › C3802071 0.25 mm
    - › C3802072 0.50 mm
    - › C3802073 0.75 mm
- Use 1**



- 1) **Con Rod Bearing**
    - › C3901170 Std
    - › C3901171 0.25 mm
    - › C3901172 0.50 mm
    - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



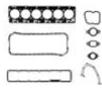
- 1) **Fractured Con Rod Bearing**
    - › C4893693 Std
    - › C4892795 0.25 mm
    - › C4892796 0.50 mm
    - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 [C3970192](#) Piston Std, 1 [C4089258](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3970126](#) Piston 0.50 mm, 1 [C4089181](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.



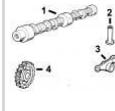
- 1) **Front Seal**
  - › C3904353
- 2) **Rear Seal**
  - › C3353978
- 3) **Crankshaft, Gear**
- 4) **Crankshaft**
  - › C4980462
- 5) **Ring Gear**
  - › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)



- 1) **Top Gasket Set**
  - › C4089819
- 2) **Bottom Gasket Set**
  - › C4089173
- 3) **Head Gasket**
  - › C3958644 1.18MM
  - › C3958645 1.25MM
- 4) **Oil Pan Gasket**
  - › C3958165
- 5) **Valve Cover Gasket**
  - › C3954324



- 1) **Bushing, Piston Pin**
  - › C4891178 x6
- 2) **Bushing, Cam**
  - › C3940059 x1
- 3) **Bolt, Con Rod**
  - › C4891179 x12
- 4) **Con Rod**
  - › C4943979
- 5) **Bolt, Ex Manifold**
  - › C3944593
- 6) **Exhaust Stud**
  - › C3944655



- 1) **Camshaft**
  - › C3947007
- 2) **Tappet**
  - › C3947759
- 3) **Rocker Arms**
  - › C3941927 x6 Intake
  - › C3941928 x6 Exhaust
- 4) **Camshaft Gear**
- 5) **Push Rod**
  - › C3941253

- 1) **Intake, Valve Kit**
    - › C3802924 Kit

**Consists of:**

    - › C3940735 x1 Valve
    - › C3940123 x2 Collet
  - 2) **Insert, Valve**
    - › C3943449
- Use 12**

- 1) **Exhaust, Valve Kit**
    - › C4955210 Kit

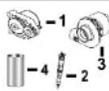
**Consists of:**

    - › C3968183 x1 Valve
    - › C3940123 x2 Collet
  - 2) **Insert, Valve**
    - › C3943450
- Use 12**

- 1) **Valve Spring**
  - › C4936080 x24
- 2) **Seal, Valve**
  - › C3955393 x24
- 3) **Retainer, Valve**
  - › C3943198 x24



- 1) **Water Pump**
  - › C2881804
- 2) **Water Pump Seal**
  - › C3906698
- 3) **Thermostat**
  - › C4090093



- 1) **Oil Pump**
  - › C4988801
- 2) **Fuel Injector**
  - › C3972888
- 3) **Turbocharger**
  - › C4089797
- 4) **Repair Sleeve**
  - › C3904166



- 1) **Cylinder Head**
  - › C5282703
  - › C5282703UF
- 2) **Head Bolt**
  - › C3927063 x26
- 3) **Expansion Plug Kit**
- 4) **Belt Tensioner**
  - › C3947574

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Includes front and rear crankshaft seals.

(7): Bare head

(2): C3944593 is a flanged head cap screw. If a studed flange cap screw is needed, please order C3944655

(4): Contains C3958645 head gasket.

(6): Fits Chrysler/Dodge applications only.

**CUMMINS 4BT 3.9 QSB PISTON (M): 7416**

**Engine Series:**

QSB

**Engine Model:**

4BT 3.9 QSB

**Engine Data:**

8 VALVE  
TURBOCHARGED

**Engine Info:**

4 Cyl

**Engine Dimensions:**

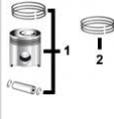
Bore: 4.02 in /  
102.108 mm  
Stroke: 4.72 in /  
119.888 mm

**Piston (M):**

7416



- 1) **Engine O/H Kit**
  - › COK9461/4 Std
  - › COK9618/4 0.50 mm
  - › COK9619/4 1.00 mm
- 2) **O/H Kit Fractured Rod**
  - › COK9461F/4 Std
  - › COK9618F/4 0.50
  - › COK9619F/4 1.00
- 3) **Engine I/F Kit**
  - › CIK9461/4 Std
  - › CIK9618/4 0.50 mm
  - › CIK9619/4 1.00 mm
  - › SPEC SHEET - 4BT 3.9 QSB



- 1) **Piston & Ring Kit**
    - › C4089461 Std
    - › C4089618 0.50 mm
    - › C4089619 1.00 mm
- Use 4**



- Main Bearing Set**
- › C3802010 Std
  - › C3802011 0.25 mm
  - › C3802012 0.50 mm
  - › C3802013 0.75 mm
- Use 1**



- Con Rod Bearing**
- › C3901170 Std
  - › C3901171 0.25 mm
  - › C3901172 0.50 mm
  - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



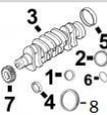
- Fractured Con Rod Bearing**
- › C4893693 Std
  - › C4892795 0.25 mm
  - › C4892796 0.50 mm
  - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

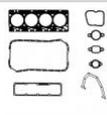
- 1) 1 [C3957416](#) Piston Std, 1 [C4089460](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3957417](#) Piston 0.50 mm, 1 [C4089614](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 3) 1 [C3957418](#) Piston 1.00 mm, 1 [C4089615](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

**Cummins CPL's**

8039  
8239  
8240  
8334  
8335  
8507  
43850  
44247  
8238



- 1) **Front Seal**
  - › C3904353
- 2) **Rear Seal**
  - › C3353978
- 3) **Crankshaft**
  - › C3907803
- 4) **Front Seal Sleeve**
  - › C3906080
- 5) **Rear Seal Sleeve**
  - › C3906081
- 6) **Rectangular Seal**
  - › C3912473
- 7) **Crankshaft, Gear**
  - › C3901258
- 8) **Ring Gear**
  - › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)



- 1) **Top Gasket Set**
  - › C4089648
- 2) **Bottom Gsk Set**
  - › C3802375
- 3) **Head Gasket**
  - › C3921393
- 4) **Oil Pan Gasket**
  - › C3931602
- 5) **Valve Cover Gsk**
  - › C3902666
- 6) **Gear Housing Gsk**
  - › C3916131
- 7) **Rear Cover Gsk**
  - › C3928493
- 8) **Gear Cover Gasket**
  - › C3918673



- 1) **Bushing, Piston**
  - › C4891178 x4
- 2) **Bushing, Cam**
  - › C3940059 x1
- 3) **Bolt, Con Rod**
  - › C3900919 x8
  - › C4891179 x8
- 4) **Con Rod**
  - › C3901569
  - › C4943979
- 5) **Bolt, Ex Manifold**
  - › C3944593
  - › C3944655
- 6) **Spacer, Ex. Manifold**
  - › C3945252



- 1) **Camshaft**
  - › C3925582
- 2) **Tappet**
  - › C3925031
- 3) **Push Rod**
  - › C3904679
- 4) **Rocker Arms**
  - › C3910811 x4
  - › C3910810 x4
- 5) **Camshaft Gear**
  - › C3907431
- 6) **Camshaft Key**
  - › C3902332

**Guide, Valve**

- › C3904408 Thick W. 60.50 mm IN
- › C3904409 Thick W. 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit
- Consists of:**
- › C3901117 x1 Valve
  - › C3900250 x2 Collet
- 2) **Insert, Valve**
- › C3906854
- Use 4**

**1) Exhaust, Valve Kit**

- › C3802356 Kit
- Consists of:**
- › C3901607 x1 Valve
  - › C3900250 x2 Collet
- 2) **Insert, Valve**
- › C3904105
- Use 4**

**1) Spring, Valve**

- › C3932453 x8
- 2) **Seal, Valve**
- › C3921640 x8
  - › C3957912 x8
- 3) **Retainer, Valve**
- › C3900299 x8



- 1) **Water Pump**
  - › C3286278
- 2) **Water Pump Seal**
  - › C3906698
- 3) **Thermostat**
  - › C3802273



- Pump, Oil**
- › C3926202



- 1) **Lift Pump**
  - › C3918000
- 2) **Lift Pump**
  - › C3904374



- 1) **Cylinder Head**
  - › C3966448
- 2) **Head Bolt Kit**
  - › C4B-HBK



- 1) **Repair Sleeve**
  - › C3904166
- 2) **Belt Tensioner**
  - › C3914086

(1): On Fracture Split Con Rods use: C3901170 x4 (or O/S) and C4893693 x4 (or O/S).

(3): Diaphragm Style.

(5): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(7): Fracture split connecting rod.

(9): Check for proper application.

(11): Studded Flange Cap Screw.

(2): Can be Used on Both Intake and Exhaust.

(4): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(6): Machine split connecting rod.

(8): Use ESN or application model to confirm correct Camshaft & Gear.

(10): Flanged Head Cap Screw.

**CUMMINS 4BT 3.9 QSB PISTON (M): 7795**

**Engine Series:**

QSB

**Engine Model:**

4BT 3.9 QSB

**Engine Data:**8 VALVE  
TURBOCHARGED**Engine Info:**

4 Cyl

**Engine****Dimensions:**Bore: 4.02 in /  
102.108 mm  
Stroke: 4.72 in /  
119.888 mm**Piston (M):**

7795

**1) Engine O/H Kit**

- › COK7797/4 Std
- › COK7799/4 0.50 mm

**2) O/H Kit Fractured Rod**

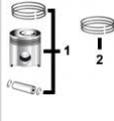
- › COK7797F/4 Std
- › COK7799F/4 0.50

**3) Engine I/F Kit**

- › CIK7797/4 Std
- › CIK7799/4 0.50 mm

**4) Engine I/F Kit Fractured Rod**

- › CIK7797F/4 Std
- › CIK7799F/4 .50mm
- › SPEC SHEET - 4BT 3.9 QSB

**1) Piston & Ring Kit**

- › C3957797 Std
- › C3957799 0.50 mm

**Use 4****Main Bearing Set**

- › C3802010 Std
- › C3802011 0.25 mm
- › C3802012 0.50 mm
- › C3802013 0.75 mm

**Use 1****Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C3957795](#) Piston Std, 1 [C3938177](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.  
2) 1 [C3957798](#) Piston 0.50 mm, 1 [C3938197](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

**Komatsu**WA150-5 -  
Wheel Loader  
WA150PZ-5 -  
Wheel Loader**Cummins CPL's**

2943

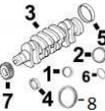
8058

8148

8149

8337

8492

**Komatsu**SAA4D102E-2B  
- ESN  
26277757-UP**1) Front Seal**

- › C3904353

**2) Rear Seal**

- › C3353978

**3) Crankshaft**

- › C3907803

**4) Front Seal Sleeve**

- › C3906080

**5) Rear Seal Sleeve**

- › C3906081

**6) Rectangular Seal**

- › C3912473

**7) Crankshaft, Gear**

- › C3901258

**8) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)

**1) Top Gasket Set**

- › C4089648

**2) Bottom Gsk Set**

- › C3802375

**3) Head Gasket**

- › C3921393

**4) Oil Pan Gasket**

- › C3931602

**5) Valve Cover Gsk**

- › C3902666

**6) Gear Housing Gsk**

- › C3916131

**7) Rear Cover Gsk**

- › C3928493

**8) Gear Cover Gasket**

- › C3918673

**1) Bushing, Piston**

- › C4891178 x4

**2) Bushing, Cam**

- › C3940059 x1

**3) Bolt, Con Rod**

- › C3900919 x8
- › C4891179 x8

**4) Con Rod**

- › C3901569
- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593
- › C3944655

**6) Spacer, Ex. Manifold**

- › C3945252

**1) Camshaft**

- › C3925582

**2) Tappet**

- › C3925031

**3) Push Rod**

- › C3904679

**4) Rocker Arms**

- › C3910811 x4
- › C3910810 x4

**5) Camshaft Gear**

- › C3907431

**6) Camshaft Key**

- › C3902332

**Guide, Valve**

- › C3904408 Thick W. 60.50 mm IN
- › C3904409 Thick W. 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit

**Consists of:**

- › C3901117 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3906854

**Use 4****1) Exhaust, Valve Kit**

- › C3802356 Kit

**Consists of:**

- › C3901607 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3904105

**Use 4****1) Spring, Valve**

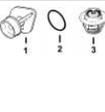
- › C3932453 x8

**2) Seal, Valve**

- › C3921640 x8
- › C3957912 x8

**3) Retainer, Valve**

- › C3900299 x8

**1) Water Pump**

- › C3286278

**2) Water Pump Seal**

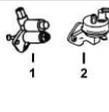
- › C3906698

**3) Thermostat**

- › C3802273

**Pump, Oil**

- › C3926202

**1) Lift Pump**

- › C3918000

**2) Lift Pump**

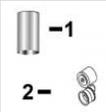
- › C3904374

**1) Cylinder Head**

- › C3966448

**2) Head Bolt Kit**

- › C4B-HBK

**1) Repair Sleeve**

- › C3904166

**2) Belt Tensioner**

- › C3914086

(1): On Fracture Split Con Rods use: C3901170 x4 (or O/S) and C4893693 x4 (or O/S).

(3): Diaphragm Style.

(5): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(7): Fracture split connecting rod.

(9): Check for proper application.

(11): Studded Flange Cap Screw.

(2): Can be Used on Both Intake and Exhaust.

(4): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(6): Machine split connecting rod.

(8): Use ESN or application model to confirm correct Camshaft &amp; Gear.

(10): Flanged Head Cap Screw.

**Engine Series:**  
QSB

**Engine Model:**  
4BT 4.5 QSB

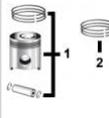
**Engine Data:**  
16 VALVE

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
CM850 Bore:  
4.21 in / 107 mm  
Stroke:  
4.88 in / 124 mm



- 1) **Engine O/H Kit**
  - COK5160/4 Std
  - COK5481/4 0.50 mm
- 2) **O/H Kit Fractured Rod**
  - COK5160F/4 Std
  - COK5481F/4 0.50
- 3) **Engine I/F Kit**
  - CIK5160/4 Std
  - CIK5481/4 0.50 mm
  - SPEC SHEET - 4BT 4.5 QSB



- 1) **Piston & Ring Kit**
    - C4955160 Std
    - C4955481 0.50 mm
- Use 4**



- Main Bearing Set**
    - C3802010 Std
    - C3802011 0.25 mm
    - C3802012 0.50 mm
    - C3802013 0.75 mm
- Use 1**



- Con Rod Bearing**
    - C3901170 Std
    - C3901171 0.25 mm
    - C3901172 0.50 mm
    - C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



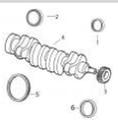
- Fractured Con Rod Bearing**
    - C4893693 Std
    - C4892795 0.25 mm
    - C4892796 0.50 mm
    - C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

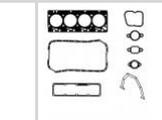
1) 1 [C493486Q](#) Piston Std, 1 [C4955251](#) Ring Set Std, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.

2) 1 [C4934816](#) Piston 0.50 mm, 1 [C4955480](#) Ring Set 0.50 mm, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.

Please see page 642 for a complete list of equipment models.



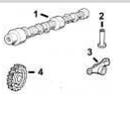
- 1) **Front Seal**
  - C4890832
- 2) **Rear Seal**
  - C4955372
- 3) **Crankshaft, Gear**
  - C3955151
- 4) **Crankshaft**
  - C3974539
- 5) **Ring Gear**
  - C3903309 (173T)
  - C3905427 (127T)
  - C3901774 (159T)
  - C3902127 (138T)



- 1) **Top Gasket Set**
  - C4955356
- 2) **Bottom Gsk Set**
  - C4955357
- 3) **Head Gasket**
  - C4932209
- 4) **Oil Pan Gasket**
  - C4939246
- 5) **Valve Cover Gsk**
  - C4899228



- 1) **Bushing, Piston**
  - C4891178 x4
- 2) **Bushing, Cam**
  - C3940059 x1
- 3) **Bolt, Con Rod**
  - C4891179 x8
- 4) **Con Rod**
  - C4943979
- 5) **Bolt, Ex Manifold**
  - C3944593
  - C3944655
- 6) **Spacer, Ex. Manifold**
  - C3945252



- 1) **Camshaft**
  - C3977547
- 2) **Tappet**
  - C3947759
- 3) **Rocker Arms**
  - C3942734 x4
  - C3942735 x4
- 4) **Camshaft Gear**
  - C3955152
- 5) **Camshaft Key**
  - C3902332

- 1) **Intake, Valve Kit**
    - C3802924 Kit
- Consists of:**
- C3940735 x1 Valve
  - C3940123 x2 Collet
- 2) **Insert, Valve**
    - C3943449
- Use 8**

- 1) **Exhaust, Valve Kit**
    - C3802967 Kit
- Consists of:**
- C3940734 x1 Valve
  - C3940123 x2 Collet
- 2) **Insert, Valve**
    - C3943450
- Use 8**

- 1) **Spring, Valve**
  - C4936080 x16
- 2) **Seal, Valve**
  - C3955393 x16
- 3) **Retainer, Valve**
  - C3943198 x16



- 1) **Water Pump**
  - C3800984
- 2) **Water Pump Seal**
  - C3906698
- 3) **Thermostat**
  - C5292708



- 1) **Oil Pump**
  - C4939586
- 2) **Fuel Injector**
  - C3976372
- 3) **Repair Sleeve**
  - C4919951



- 1) **Cylinder Head**
  - C4941496
- 2) **Head Bolt**
  - C3927063 x18
- 3) **Expansion Plug Kit**
- 4) **Belt Tensioner**
  - C3914086

(1): Check application for proper usage.

(2): Flanged Head Cap Screw.

(3): On Fracture Split Con Rods use: 4 of <a href="http://sales.maxiforce.com/maxi/Services/winImages.aspx?type=p&id=C3901170">C3901170</a> (or O/S) and 4 of <a href="http://sales.maxiforce.com/maxi/Services/winImages.aspx?type=p&id=C4893693">C4893693</a> (or O/S).

(4): Studded Flange Cap Screw.

**CUMMINS 6BT 5.9 QSB PISTON (M): 7416**

**Engine Series:**

QSB

**Engine Model:**

6BT 5.9 QSB

**Engine Data:**

TURBOCHARGED

**Engine Info:**

6 Cyl

**Engine****Dimensions:**

359 Cubic Inch  
 Bore: 4.02 in /  
 102.108 mm  
 Stroke: 4.72 in /  
 119.888 mm

**Piston (M):**

7416

Please see  
 page **643** for a  
 complete list of  
 equipment  
 models.

**1) Engine O/H Kit**

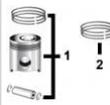
- › COK9461/6 Std
- › COK9618/6 0.50 mm
- › COK9619/6 1.00 mm

**2) O/H Kit Fractured Rod**

- › COK9461F/6 Std
- › COK9618F/6 0.50
- › COK9619F/6 1.00

**3) Engine I/F Kit**

- › CIK9461/6 Std
- › CIK9618/6 0.50 mm
- › CIK9619/6 1.00 mm
- › SPEC SHEET - 6BT 5.9 QSB

**Piston & Ring Kit**

- › C4089461 Std
- › C4089618 0.50 mm
- › C4089619 1.00 mm

**Use 6****Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced  
 and sold per shell**

**Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

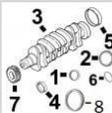
**Rod bearings are priced  
 and sold per shell**

**Piston Kit:**

1) 1 [C3957416](#) Piston Std, 1 [C4089460](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

2) 1 [C3957417](#) Piston 0.50 mm, 1 [C4089614](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

3) 1 [C3957418](#) Piston 1.00 mm, 1 [C4089615](#) Ring Set 1.00 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

**1) Front Seal**

- › C3904353

**2) Rear Seal**

- › C3353978

**3) Crankshaft**

- › C3907804

**4) Front Seal Sleeve**

- › C3906080

**5) Rear Seal Sleeve**

- › C3906081

**6) Rectangular Seal**

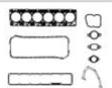
- › C3912473

**7) Crankshaft, Gear**

- › C3901258

**8) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)

**1) Top Gasket Set**

- › C4089649

**2) Bottom Gsk Set**

- › C3802376

**3) Head Gasket**

- › C3283335

**4) Oil Pan Gasket**

- › C3931346

**5) Valve Cover Gsk**

- › C3902666

**6) Gear Housing Gsk**

- › C3938156

**7) Gear Cover Gasket**

- › C3918673

**1) Bushing, Piston**

- › C4891178 x6

**2) Bushing, Cam**

- › C3940059 x1

**3) Bolt, Con Rod**

- › C4891179 x12

**4) Con Rod**

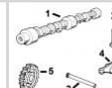
- › C3901569
- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593
- › C3944655

**6) Spacer, Ex Manifold**

- › C3945252

**1) Camshaft**

- › C3914639

**2) Tappet**

- › C3925031

**3) Push Rod**

- › C3904679

**4) Rocker Arms**

- › C3910811 x6
- › C3910810 x6

**5) Camshaft Gear**

- › C3907431

**6) Camshaft Key**

- › C3902332

**Guide, Valve**

- › C3904408 Thick W. 60.50 mm IN
- › C3904409 Thick W. 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit

**Consists of:**

- › C3901117 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3906854

**Use 6****1) Exhaust, Valve Kit**

- › C3802356 Kit

**Consists of:**

- › C3901607 x1 Valve
- › C3900250 x2 Collet

**2) Insert, Valve**

- › C3904105

**Use 6****1) Spring, Valve**

- › C3932453 x12

**2) Seal, Valve**

- › C3921640 x12
- › C3957912 x12

**3) Retainer, Valve**

- › C3900299 x12

**1) Water Pump**

- › C3286278

**2) Water Pump Seal**

- › C3906698

**3) Thermostat**

- › C3802273

**1) Pump, Oil**

- › C4939587

**1) Lift Pump**

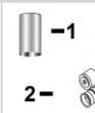
- › C3904374

**1) Cylinder Head**

- › C3913381

**2) Head Bolt Kit**

- › C6B-HBK

**1) Repair Sleeve**

- › C3904166

**2) Belt Tensioner**

- › C3914086

(1): On Fracture Split Con Rods use: C3901170 x6 (or O/S) and C4893693 x6 (or O/S).

(3): Diaphragm Style.

(5): Do not use on Marine Engines.

(7): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(9): Franture Split Connectin Rod.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Can be Used on Both Intake and Exhaust.

(4): For Storm blocks use C3940059.

(6): For use on engines prior to April, 2003.

(8): Machine Split Connectin Rod.

(10): Check for proper application.

(12): Studded Flange Cap Screw

**Engine Series:**  
QSB

**Engine Model:**  
6BT 5.9 QSB

**Engine Data:**  
TURBOCHARGED

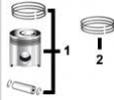
**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
359 Cubic Inch  
Bore: 4.02 in /  
102.108 mm  
Stroke: 4.72 in /  
119.888 mm

**Piston (M):**  
7795



- 1) **Engine O/H Kit**
  - › COK7797/6 Std
  - › COK7799/6 0.50 mm
- 2) **O/H Kit Fractured Rod**
  - › COK7797F/6 Std
  - › COK7799F/6 0.50
- 3) **Engine I/F Kit**
  - › CIK7797/6 Std
  - › CIK7799/6 0.50 mm
- 4) **Engine I/F Kit Fractured Rod**
  - › CIK7797F/6 Std
  - › CIK7799F/6 .50mm
  - › SPEC SHEET - 6BT 5.9 QSB



- Piston & Ring Kit**
- › C3957797 Std
  - › C3957799 0.50 mm
- Use 6**



- Main Bearing Set**
- › C3802070 Std
  - › C3802071 0.25 mm
  - › C3802072 0.50 mm
  - › C3802073 0.75 mm
- Use 1**



- Con Rod Bearing**
- › C3901170 Std
  - › C3901171 0.25 mm
  - › C3901172 0.50 mm
  - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



- Fractured Con Rod Bearing**
- › C4893693 Std
  - › C4892795 0.25 mm
  - › C4892796 0.50 mm
  - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

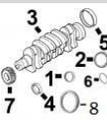
- 1) 1 [C3957795](#) Piston Std, 1 [C3938177](#) Ring Set Std, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C3957798](#) Piston 0.50 mm, 1 [C3938197](#) Ring Set 0.50 mm, 1 [C3934047](#) Piston Pin, 2 [C3920691](#) Ret.

**Komatsu**

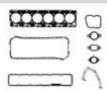
PC220-7 - Excavator  
PC220LC-7 - Excavator  
PC220LL-7L - Excavator  
WA200-5 - Wheel Loader  
WA200PT-5 - Wheel Loader  
WA250-5 - Wheel Loader  
WA250PT-5 - Wheel Loader  
WA250PZ-5 - Wheel Loader  
WA320-5L - Wheel Loader

**Cummins CPL's**

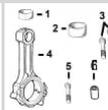
2678  
2846  
8105  
8111  
8265  
8266  
8267  
8483  
8604



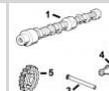
- 1) **Front Seal**
  - › C3904353
- 2) **Rear Seal**
  - › C3353978
- 3) **Crankshaft**
  - › C3907804
- 4) **Front Seal Sleeve**
  - › C3906080
- 5) **Rear Seal Sleeve**
  - › C3906081
- 6) **Rectangular Seal**
  - › C3912473
- 7) **Crankshaft, Gear**
  - › C3901258
- 8) **Ring Gear**
  - › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)



- 1) **Top Gasket Set**
  - › C4089649
- 2) **Bottom Gsk Set**
  - › C3802376
- 3) **Head Gasket**
  - › C3283335
- 4) **Oil Pan Gasket**
  - › C3931346
- 5) **Valve Cover Gsk**
  - › C3902666
- 6) **Gear Housing Gsk**
  - › C3938156
- 7) **Gear Cover Gasket**
  - › C3918673



- 1) **Bushing, Piston**
  - › C4891178 x6
- 2) **Bushing, Cam**
  - › C3940059 x1
- 3) **Bolt, Con Rod**
  - › C3900919 x12
  - › C4891179 x12
- 4) **Con Rod**
  - › C3901569
  - › C4943979
- 5) **Bolt, Ex Manifold**
  - › C3944593
  - › C3944655
- 6) **Spacer, Ex Manifold**
  - › C3945252



- 1) **Camshaft**
  - › C3914639
- 2) **Tappet**
  - › C3925031
- 3) **Push Rod**
  - › C3904679
- 4) **Rocker Arms**
  - › C3910811 x6
  - › C3910810 x6
- 5) **Camshaft Gear**
  - › C3907431
- 6) **Camshaft Key**
  - › C3902332

**Komatsu**

SAA6D102E-2 - ESN 26474903-UP

**Guide, Valve**

- › C3904408 Thick W. 60.50 mm IN
- › C3904409 Thick W. 51.75 mm EX
- › C3906206 Thin Wall

**1) Intake, Valve Kit**

- › C3802355 Kit
- Consists of:**
- › C3901117 x1 Valve
  - › C3900250 x2 Collet
- 2) Insert, Valve**
- › C3906854
- Use 6**

**1) Exhaust, Valve Kit**

- › C3802356 Kit
- Consists of:**
- › C3901607 x1 Valve
  - › C3900250 x2 Collet
- 2) Insert, Valve**
- › C3904105
- Use 6**

**1) Spring, Valve**

- › C3932453 x12
- 2) Seal, Valve**
- › C3921640 x12
  - › C3957912 x12
- 3) Retainer, Valve**
- › C3900299 x12



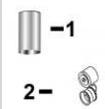
- 1) **Water Pump**
  - › C3286278
- 2) **Water Pump Seal**
  - › C3906698
- 3) **Thermostat**
  - › C3802273



- 1) **Pump, Oil**
  - › C3926203



- 1) **Cylinder Head**
  - › C3913381
- 2) **Head Bolt Kit**
  - › C6B-HBK



- 1) **Repair Sleeve**
  - › C3904166
- 2) **Belt Tensioner**
  - › C3914086

(1): On Fracture Split Con Rods use: C3901170 x6 (or O/S) and C4893693 x6 (or O/S).

(3): Diaphragm Style.

(5): Do not use on Marine Engines.

(7): For use on engines from April 2003, (Top Hat Style Valve Stem Seal).

(9): Fracture Split Connecting Rod.

(11): Flanged Head Cap Screw.

(13): Machined for 7mm nozzles.

(2): Can be Used on Both Intake and Exhaust.

(4): For Storm blocks use C3940059.

(6): For use on engines prior to April, 2003.

(8): Machine Split Connecting Rod.

(10): Check for proper application.

(12): Studded Flange Cap Screw

**Engine Series:**

QSB

**Engine Model:**

6BT 6.7 QSB

**Engine Desc:**

CM850

**Engine Data:**24 VALVE  
REAR GEAR  
TRAIN**Engine Info:**

6 Cyl

**Engine****Dimensions:**Bore: 4.21 in /  
107 mmStroke: 4.88 in /  
124 mmPlease see  
page **644** for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

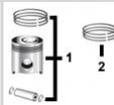
- COK5160/6 Std
- COK5481/6 0.50 mm

**2) O/H Kit Fractured Rod**

- COK5160F/6 Std
- COK5481F/6 0.50

**3) Engine I/F Kit**

- CIK5160/6 Std
- CIK5481/6 0.50 mm
- SPEC SHEET - 6BT 6.7 QSB

**1) Piston & Ring Kit**

- C4955160 Std
- C4955481 0.50 mm

**Use 6****Main Bearing Set**

- C3802070 Std
- C3802071 0.25 mm
- C3802072 0.50 mm
- C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- C3901170 Std
- C3901171 0.25 mm
- C3901172 0.50 mm
- C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- C4893693 Std
- C4892795 0.25 mm
- C4892796 0.50 mm
- C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C4934860](#) Piston Std, 1 [C4955251](#) Ring Set Std, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.  
2) 1 [C4934816](#) Piston 0.50 mm, 1 [C4955480](#) Ring Set 0.50 mm, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.

**1) Front Seal**

- C4890832

**2) Rear Seal**

- C4955372

**3) Crankshaft, Gear**

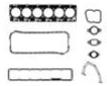
- C3955151

**4) Crankshaft**

- C4934862

**5) Ring Gear**

- C3903309 (173T)
- C3905427 (127T)
- C3901774 (159T)
- C3902127 (138T)

**1) Top Gasket Set**

- C4955229

**2) Bottom Gsk Set**

- C4955230

**3) Head Gasket**

- C4932210

**4) Oil Pan Gasket**

- C3959797

- C4934344

**5) Valve Cover Gsk**

- C4899226

**1) Bushing, Piston**

- C4891178 x6

**2) Bushing, Cam**

- C3940059 x1

**3) Bolt, Con Rod**

- C4891179 x12

**4) Con Rod**

- C4943979

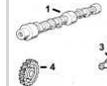
**5) Bolt, Ex Manifold**

- C3944593

- C3944655

**6) Spacer, Ex Manifold**

- C3945252

**1) Camshaft**

- C3979506

**2) Tappet**

- C3947759

**3) Rocker Arms**

- C3942734 x6

- C3942735 x6

**4) Camshaft Gear**

- C3955152

**1) Intake, Valve Kit**

- C3802924 Kit

**Consists of:**

- C3940735 x1 Valve
- C3940123 x2 Collet

**2) Insert, Valve**

- C3943449

**Use 12****1) Exhaust, Valve Kit**

- C3802967 Kit

**Consists of:**

- C3940734 x1 Valve
- C3940123 x2 Collet

**2) Insert, Valve**

- C3943450

**Use 12****1) Spring, Valve**

- C4936080 x24

**2) Seal, Valve**

- C3955393 x24

**3) Retainer, Valve**

- C3943198 x24

**1) Water Pump**

- C3800984
- C4955394

**2) Water Pump Seal**

- C3906698

**3) Thermostat**

- C5292708

**1) Oil Pump**

- C3971544

**2) Fuel Injector**

- C3976372

**3) Repair Sleeve**

- C4919951

**1) Cylinder Head**

- C5282703
- C5282703UF

**2) Head Bolt**

- C3927063 x26

**3) Expansion Plug Kit**

- C3914086

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Paper/composite material

(7): Bare head

(2): Flanged Head Cap Screw.

(4): Studded Flange Cap Screw.

(6): Rubber material

**CUMMINS 6.7 ISB, CHRYSLER 2007-2010**

**Engine Series:**

ISB

**Engine Model:**

6BT 6.7 ISB

**Engine Desc:**

ISB07

**Engine Data:**24 VALVE  
FRONT GEAR  
TRAIN**Engine Info:**

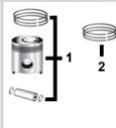
6 Cyl

**Engine****Dimensions:**Bore: 4.21 in /  
107 mm  
Stroke: 4.88 in /  
124 mmPlease see  
page 645 for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

- › COK5365/6 Std
- › COK6007/6 0.50 mm

**2) Engine I/F Kit**

- › CIK5365/6 STD
- › CIK6007/6 .50MM
- › SPEC SHEET - 6BT 6.7 ISB

**1) Piston & Ring Kit**

- › C4955365 Std
- › C4956007 0.50 mm

**Use 6****Main Bearing Set**

- › C3802070 Std
- › C3802071 0.25 mm
- › C3802072 0.50 mm
- › C3802073 0.75 mm

**Use 1****Con Rod Bearing**

- › C3901170 Std
- › C3901171 0.25 mm
- › C3901172 0.50 mm
- › C3901173 0.75 mm

**Rod bearings are priced and sold per shell****Fractured Con Rod Bearing**

- › C4893693 Std
- › C4892795 0.25 mm
- › C4892796 0.50 mm
- › C4892797 0.75 mm

**Rod bearings are priced and sold per shell****Piston Kit:**

- 1) 1 [C4938619](#) Piston Std, 1 [C4955366](#) Ring Set Std, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.  
2) 1 [C4938620](#) Piston 0.50 mm, 1 [C4955480](#) Ring Set 0.50 mm, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.

**1) Front Seal**

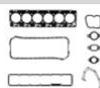
- › C4890832

**2) Rear Seal**

- › C4089342

**3) Crankshaft, Gear****4) Crankshaft****5) Ring Gear**

- › C3903309 (173T)
- › C3905427 (127T)
- › C3901774 (159T)
- › C3902127 (138T)

**1) Top Gasket Set**

- › C4955354

**2) Bottom Gsk Set**

- › C4955355

**3) Head Gasket**

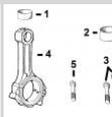
- › C4932210

**4) Oil Pan Gasket**

- › C3958165

**5) Rocker Cover Gasket**

- › C3963379

**1) Bushing, Piston Pin**

- › C4891178 x6

**2) Bushing, Cam**

- › C3940059 x1

**3) Bolt, Con Rod**

- › C4891179 x12

**4) Con Rod**

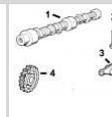
- › C4943979

**5) Bolt, Ex Manifold**

- › C3944593
- › C3944655

**6) Spacer, Ex Manifold**

- › C3945252

**1) Camshaft**

- › C3947759

**2) Tappet**

- › C3947759

**3) Rocker Arms**

- › C3941927 x6 Intake
- › C3941928 x6 Exhaust

**4) Camshaft Gear**

- › C3941253

**1) Intake, Valve Kit**

- › C3802924 Kit

**Consists of:**

- › C3940735 x1 Valve
- › C3940123 x2 Collet

**2) Insert, Valve**

- › C3943449

**Use 12****1) Exhaust, Valve Kit**

- › C4089672 Kit

**Consists of:**

- › C3968183 x1 Valve
- › C3940123 x2 Collet

**2) Insert, Valve**

- › C3943450

**Use 12****1) Valve Spring**

- › C4936080 x24

**2) Seal, Valve**

- › C3955393 x24

**3) Retainer, Valve**

- › C3943198 x24

**1) Water Pump**

- › C2881804
- › C4955394

**2) Water Pump Seal**

- › C3906698

**3) Thermostat****1) Oil Pump**

- › C4988801

**2) Fuel Injector**

- › C3943450

**3) Turbocharger**

- › C2882075
- › C3787604

**4) Repair Sleeve**

- › C4919951

**1) Cylinder Head**

- › C5282703
- › C5282703UF

**2) Head Bolt**

- › C3927063 x26

**3) Expansion Plug Kit**

- › C3947574

**(1):** Check application for proper usage.**(3):** On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).**(5):** For rear gear train (RGT) engines only**(7):** Studded cap screw**(2):** Flanged head cap screw**(4):** For front gear train (FGT) engines only**(6):** Includes crank seals**(8):** Bare head**CUMMINS 6.7 ISB, CM2150/2250, 2010.5-2012**

**Engine Series:**  
ISB

**Engine Model:**  
6BT 6.7 ISB

**Engine Desc:**  
CM2150/2250

**Engine Data:**  
24 VALVE  
FRONT & REAR  
GEAR TRAIN

**Engine Info:**  
6 Cyl

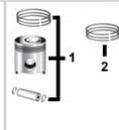
**Engine Dimensions:**

Bore: 4.21 in /  
107 mm  
Stroke: 4.88 in /  
124 mm

Please see page 646 for a complete list of equipment models.



- 1) **Engine O/H Kit**
  - › COK5365/6RGT Std
  - › COK6007/6RGT 0.50 mm
- 2) **Engine I/F Kit**
  - › CIK5365/6RGT STD
  - › CIK6007/6RGT .50MM
  - › SPEC SHEET - 6BT 6.7 ISB



- 1) **Piston & Ring Kit**
    - › C4955365 Std
    - › C4956007 0.50 mm
- Use 6**



- Main Bearing Set**
- › C3802070 Std
  - › C3802071 0.25 mm
  - › C3802072 0.50 mm
  - › C3802073 0.75 mm
- Use 1**



- Con Rod Bearing**
- › C3901170 Std
  - › C3901171 0.25 mm
  - › C3901172 0.50 mm
  - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**



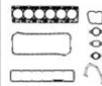
- Fractured Con Rod Bearing**
- › C4893693 Std
  - › C4892795 0.25 mm
  - › C4892796 0.50 mm
  - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

- 1) 1 C4938619 Piston Std, 1 C4955366 Ring Set Std, 1 C4931041 Piston Pin, 2 C3920691 Ret.
- 2) 1 C4938620 Piston 0.50 mm, 1 C4955480 Ring Set 0.50 mm, 1 C4931041 Piston Pin, 2 C3920691 Ret.



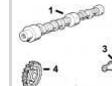
- 1) **Front Seal**
  - › C4890832
- 2) **Rear Seal**
  - › C3353978
  - › C4955372
- 3) **Crankshaft, Gear**
- 4) **Crankshaft**
  - › C4934862
- 5) **Ring Gear**
  - › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)



- 1) **Top Gasket Set**
  - › C4955523
- 2) **Bottom Gsk Set**
  - › C4955522
- 3) **Head Gasket**
  - › C4932210
- 4) **Oil Pan Gasket**
  - › C3959797
  - › C4934344
- 5) **Rocker Cover Gasket**
  - › C3963379



- 1) **Bushing, Piston Pin**
  - › C4891178 x6
- 2) **Bushing, Cam**
  - › C3940059 x2
- 3) **Bolt, Con Rod**
  - › C4891179 x12
- 4) **Con Rod**
  - › C4943979
- 5) **Bolt, Ex Manifold**
  - › C3944593
  - › C3944655
- 6) **Spacer, Ex Manifold**
  - › C3945252



- 1) **Camshaft**
  - › C3979506
- 2) **Tappet**
  - › C3947759
- 3) **Rocker Arms**
  - › C3941927 x6 Intake
  - › C3941928 x6 Exhaust
- 4) **Camshaft Gear**
  - › C3955152
- 5) **Push Rod**
  - › C3941253

- 1) **Intake, Valve Kit**
    - › C3802924 Kit

**Consists of:**

    - › C3940735 x1 Valve
    - › C3940123 x2 Collet
  - 2) **Insert, Valve**
    - › C3943449
- Use 12**

- 1) **Exhaust, Valve Kit**
    - › C4089672 Kit

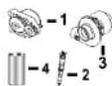
**Consists of:**

    - › 3968183 x1 Valve
    - › C3940123 x2 Collet
  - 2) **Insert, Valve**
    - › C3943450
- Use 12**

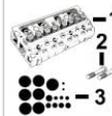
- 1) **Valve Spring**
  - › C4936080 x24
- 2) **Seal, Valve**
  - › C3955393 x24
- 3) **Retainer, Valve**
  - › C3943198 x24



- 1) **Water Pump**
  - › C2881688
  - › C2881804
  - › C3800984
  - › C4955394
- 2) **Water Pump Seal**
  - › C3906698
- 3) **Thermostat**
  - › C5292708



- 1) **Oil Pump**
  - › C3971544
  - › C4988801
- 2) **Fuel Injector**
- 3) **Turbocharger**
- 4) **Repair Sleeve**
  - › C4919951



- 1) **Cylinder Head**
  - › C5282703
  - › C5282703UF
- 2) **Head Bolt**
  - › C3927063 x26
- 3) **Expansion Plug Kit**
- 4) **Belt Tensioner**
  - › C3947574
  - › C5270678

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Double lip seal

(7): Studded cap screw

(9): Fits rear gear train (RGT) engines only

(2): Flanged head cap screw.

(4): Single lip seal

(6): Lower gasket set includes crank seals. Rear seal is a single lip design. If double lip rear seal is needed, please order C4955372 separately.

(8): Fits Chrysler front gear train (FGT) engines only

(10): Bare head

**CUMMINS 6.7 ISB, CM2350, 2013-2018**

**Engine Series:**  
ISB

**Engine Model:**  
6BT 6.7 ISB

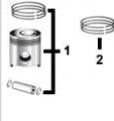
**Engine Desc:**  
CM2350

**Engine Data:**  
24 VALVE

**Engine Info:**  
6 Cyl



- 1) Engine O/H Kit**
- › COK5365/6A Std
  - › COK6007/6A 0.50 mm
- 2) Engine I/F Kit**
- › CIK5365/6A STD
  - › CIK6007/6A .50MM
  - › SPEC SHEET - 6BT 6.7 ISB



- 1) Piston & Ring Kit**
- › C4955365 Std
  - › C4956007 0.50 mm
- Use 6**



- Main Bearing Set**
- › C3802070 Std
  - › C3802071 0.25 mm
  - › C3802072 0.50 mm
  - › C3802073 0.75 mm
- Use 1**



- Con Rod Bearing**
- › C3901170 Std
  - › C3901171 0.25 mm
  - › C3901172 0.50 mm
  - › C3901173 0.75 mm
- Rod bearings are priced and sold per shell**

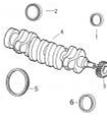


- Fractured Con Rod Bearing**
- › C4893693 Std
  - › C4892795 0.25 mm
  - › C4892796 0.50 mm
  - › C4892797 0.75 mm
- Rod bearings are priced and sold per shell**

**Piston Kit:**

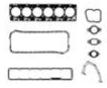
- 1) 1 [C4938619](#) Piston Std, 1 [C4955366](#) Ring Set Std, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.
- 2) 1 [C4938620](#) Piston 0.50 mm, 1 [C4955480](#) Ring Set 0.50 mm, 1 [C4931041](#) Piston Pin, 2 [C3920691](#) Ret.

Please see page **647** for a complete list of equipment models.



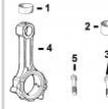
- 1) Front Seal**
- › C3904353
  - › C4890832
- 2) Rear Seal**
- › C3353978
  - › C4955372
- 3) Crankshaft, Gear**
- 4) Crankshaft**
- › C4934862
- 5) Ring Gear**
- › C3903309 (173T)
  - › C3905427 (127T)
  - › C3901774 (159T)
  - › C3902127 (138T)

- 1
- 1
- 4
- 5
- 9
- 1
- 1
- 1
- 1



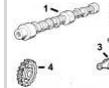
- 1) Top Gasket Set**
- › C4376090
- 2) Bottom Gasket Set**
- › C4376091
- 3) Head Gasket**
- › C4932210
- 4) Oil Pan Gasket**
- › C4337615
  - › C4934344
- 5) Rocker Cover Gasket**
- › C3963379

- 6
- 1
- 1



- 1) Bushing, Piston Pin**
- › C5257363 x6
- 2) Bushing, Cam**
- › C3940059 x2
- 3) Bolt, Con Rod**
- › C4891179 x12
- 4) Con Rod**
- › C5257364
- 5) Bolt, Ex Manifold**
- › C3944593
  - › C3944655
- 6) Spacer, Ex Manifold**
- › C3945252

- 2
- 7



- 1) Camshaft**
- › C3979506
  - › C5263488
- 2) Tappet**
- › C3947759
- 3) Rocker Arms**
- › C3941927 x6 Intake
  - › C3941928 x6 Exhaust
- 4) Camshaft Gear**
- › C3955152
- 5) Push Rod**
- › C3941253

- 1
- 1
- 2
- 7

- 1) Intake, Valve Kit**
- › C3802924 Kit
- Consists of:**
- › C3940735 x1 Valve
  - › C3940123 x2 Collet
- 2) Insert, Valve**
- › C3943449
- Use 12**

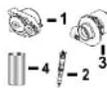
- 1) Exhaust, Valve Kit**
- › C4089672 Kit
- Consists of:**
- › 3968183 x1 Valve
  - › C3940123 x2 Collet
- 2) Insert, Valve**
- › C3943450
- Use 12**

- 1) Valve Spring**
- › C4936080 x24
- 2) Seal, Valve**
- › C3955393 x24
- 3) Retainer, Valve**
- › C3943198 x24



- 1) Water Pump**
- › C5314945
  - › C5473173
  - › C4955394
- 2) Water Pump Seal**
- › C3906698
- 3) Thermostat**
- › C5292708

- 8
- 9
- 1
- 1



- 1) Oil Pump**
- › C3971544
  - › C4988801
- 2) Fuel Injector**
- 3) Turbocharger**
- › C3787604
- 4) Repair Sleeve**
- › C4919951

- 9
- 8
- 1



- 1) Cylinder Head**
- › C5282703
  - › C5282703UF
- 2) Head Bolt**
- › C3927063 x26
- 3) Expansion Plug Kit**
- 4) Belt Tensioner**
- › C3947574
  - › C5270678

- 1
- 10
- 1
- 1

(1): Check application for proper usage.

(3): On Fracture Split Con Rods use: 6 of C3901170 (or O/S) and 6 of C4893693 (or O/S).

(5): Double lip seal

(7): Studded cap screw

(9): Fits rear gear train (RGT) engines only

(2): Flanged head cap screw.

(4): Single lip seal

(6): Lower gasket set includes rear crankshaft seal only. Rear seal is a single lip design. If double lip rear seal is needed, please order C4955372 separately. Front crankshaft seal must also be purchased separately.

(8): Fits Chrysler front gear train (FGT) engines only

(10): Bare head

**CUMMINS 6CT 8.3 PISTON (M): 3163**

**Engine Series:**

C

**Engine Model:**

6CT 8.3

**Engine Desc:**

(CDC 6.830)

**Engine Data:**

TURBOCHARGED

**Engine Info:**

6 Cyl

**Engine****Dimensions:**Bore: 4.49 in /  
114 mm Stroke:  
5.32 in / 135  
mm**Piston (M):**3163, 9564,  
9928, 8749Please see  
page **648** for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

› COK2400

**Thin Wall**

› COK2403

**Thick Wall Long**

› COK2403S

**Thick Wall Short****2) Engine I/F Kit**

› CIK2400

› CIK2403

› CIK2403S

› SPEC SHEET - 6CT 8.3

**Piston-Liner Kit  
Thin Wall**

› C3802400

**Consist of:**

› a) C3923163

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802370

**Piston-Liner Kit Thick Wall  
Long Liner**

› C3802403

**Consist of:**

› a) C3923163

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802407

**Piston-Liner Kit Thick Wall  
Short Liner**

› C3802403S

**Consist of:**

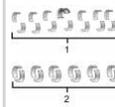
› a) C3923163

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3800328

**1) Main Bearing Set**

› C3802210 Std

› C3802211 0.25 mm

› C3802212 0.50 mm

› C3802213 0.75 mm

**Use 1****2) Con Rod Bearing**

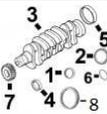
› C3901430 Std

› C3901431 0.25 mm

› C3901432 0.50 mm

› C3901433 0.75 mm

› Use 12

**Rod bearings are priced  
and sold per shell****1) Front Seal**

› C3353977

**2) Rear Seal**

› C3353978

**3) Crankshaft**

› C3918986

**4) Front Wear Sleeve**

› C3908277

**5) Rear Wear Sleeve**

› C3906081

**6) Front Rect Seal**

› C3903475

**7) Rear Rect Seal**

› C3912473

**8) Ring Gear**

› C3903309 (173T)

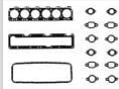
› C3905427 (127T)

› C3901774 (159T)

› C3902127 (138T)

**9) Crankshaft Gear**

› C3918776

**1) Top Gasket Set**

› C4025271

**2) Bottom Gsk Set**

› C3800348

**3) Head Gasket**

› C3938267

**4) Oil Pan Gasket**

› C3914017

**5) Valve Cover Gsk**

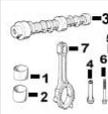
› C3905449

**6) Front Gear Gasket**

› C3929253

**7) Front Cover Gsk**

› C3917780

**1) Bushing, Piston**

› C3913990 x6

**2) Bushing, Cam**

› C3943199 x7

**3) Camshaft**

› C3924471

**4) Tappet**

› C3925031

**5) Push Rod**

› C3905194

**6) Rod Bolt**

› C3928870

**7) Connecting Rod**

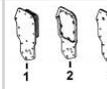
› C3901383

**8) Con Rod Nut**

› C3901381

**9) Camshaft Gear**

› C3918777

**1) Oil Cooler 12 Plates**

› C3918175

**2) Oil Cooler Gasket**

› C3918174

**3) Oil Cooler Gsk Filter Hd**

› C3914308

**4) Oil Pump**

› C3930338

**1) Intake, Valve Kit**

› C3802463

**Consist of:**

› C3924492 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924582

**Use 6****1) Exhaust, Valve Kit**

› C3802085

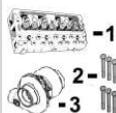
**Consists of:**

› C3921444 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

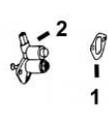
› C3924583

**Use 6****1) Spring, Valve**

› C3906412 x12

**2) Seal, Valve**

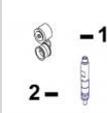
› C3915707 x12

**1) Guide, Valve**

› C3923564 x12

**2) Retainer, Valve Spring**

› C3912976 x12

**1) Water Pump**

› C3800976

**2) Water Pump Seal**

› C3902089

**3) Thermostat**

› C3928639 x2

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CT 8.3 PISTON (M): 3165**

**Engine Series:**

C

**Engine Model:**

6CT 8.3

**Engine Data:**

TURBOCHARGED

**Engine Info:**

6 Cyl

**Engine Dimensions:**

Bore: 4.49 in / 114 mm  
Stroke: 5.32 in / 135 mm

**Piston (M):**

3165, 9931,  
9567, 2396

**Cummins CPL's**

954

1399

1435

601

**1) Engine O/H Kit**

- COK2399

**Thin Wall**

- COK2402

**Thick Wall****2) Engine I/F Kit**

- CIK2399
- CIK2402
- SPEC SHEET - 6CT 8.3

**Piston-Liner Kit Thin Wall**

- C3802399

**Consist of:**

- a) C3923165
- b) C3901597
- c) C3901996
- d) C3802258
- e) C3802370

**Piston-Liner Kit Thick Wall**

- C3802402

**Consist of:**

- a) C3923165
- b) C3901597
- c) C3901996
- d) C3802258
- e) C3802407

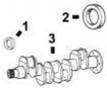
**Main Bearing Set**

- C3802210 Std.
- C3802211 0.25 mm
- C3802212 0.50 mm
- C3802213 0.75 mm

**Use 1****Con Rod Bearing**

- C3901430 Std
- C3901431 0.25 mm
- C3901432 0.50 mm
- C3901433 0.75 mm
- Use 12

**Rod bearings are priced and sold per shell**

**1) Front Seal**

- C3353977

**2) Rear Seal**

- C3353978

**3) Crankshaft**

- C3918986

**4) Front Wear Sleeve**

- C3908277

**5) Rear Wear Sleeve**

- C3906081

**6) Front Rect Seal**

- C3903475

**7) Rear Rect Seal**

- C3912473

**8) Ring Gear**

- C3903309 (173T)

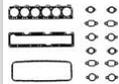
- C3905427 (127T)

- C3901774 (159T)

- C3902127 (138T)

**9) Crankshaft Gear**

- C3918776

**1) Top Gasket Set**

- C4025271

**2) Bottom Gsk Set**

- C3800348

**3) Head Gasket**

- C3938267

**4) Oil Pan Gasket**

- C3914017

**5) Valve Cover Gsk**

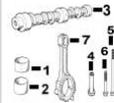
- C3905449

**6) Front Gear Gasket**

- C3929253

**7) Front Cover Gsk**

- C3917780

**1) Bushing, Piston**

- C3913990 x6

**2) Bushing, Cam**

- C3943199 x7

**3) Camshaft**

- C3924471

**4) Tappet**

- C3925031

**5) Push Rod**

- C3905194

**6) Rod bolt**

- C3928870

**7) Connecting Rod**

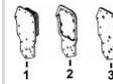
- C3901383

**8) Con Rod Nut**

- C3901381

**9) Camshaft Gear**

- C3918777

**1) Oil Cooler 12 Plates**

- C3918175

**2) Oil Cooler Gasket**

- C3918174

**3) Oil Cooler Gsk Filter Hd**

- C3914308

**4) Oil Pump**

- C3930338

**1) Intake, Valve Kit**

- C3802463

**Consist of:**

- C3924492 x1 Valve

- C3901177 x2 Collet

**2) Insert, Valve**

- C3924582

**Use 6****1) Exhaust, Valve Kit**

- C3802085

**Consists of:**

- C3921444 x1 Valve

- C3901177 x2 Collet

**2) Insert, Valve**

- C3924583

**Use 6****1) Spring, Valve**

- C3906412 x12

**2) Seal, Valve**

- C3915707 x12

**1) Guide, Valve**

- C3923564 x12

**2) Retainer, Valve Spring**

- C3912976 x12

**1) Water Pump**

- C3800976

- C3806180

- C3800975

**2) Water Pump Seal**

- C3902089

**3) Thermostat**

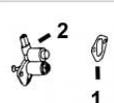
- C3928639 x2

**1) Cylinder Head**

- C3973493

**2) Head Bolt Kit**

- C6C-HBK

**1) Fuel Lift Pump**

- C3917998

**2) Fuel Pump Gasket**

- C3914304

**Tensioner, Belt**

- C3976831

(1): Block 3802265 (Thin Wall) Flange  $\varnothing$  5.223".

(3): Order in multiples of two.

(5): Only use on engines built from year 1991 onwards.

(7): Some applications use short nose pump C3806180

(9): Consist of C3907792 Liner + C3907177 Seal.

(11): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange  $\varnothing$  5.152", (Length: 9.33" / 237 mm).

(4): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(6): Do not use with Crankshaft part number 3965006.

(8): Marine applications use C3800975

(10): Consist of C3919937 Liner + C3907177 Seal.

(12): Do not use on Marine applications.

**CUMMINS 6CT 8.3 PISTON (M): 7707**

**Engine Series:**

C

**Engine Model:**

6CT 8.3

**Engine Data:**

TURBOCHARGED

**Engine Info:**

6 Cyl

**Engine****Dimensions:**Bore: 4.49 in /  
114 mm Stroke:  
5.32 in / 135  
mm**Piston (M):**

7707

**1) Engine O/H Kit**

› COK2388

**Thin Wall**

› COK2406

**Thick Wall Long**

› COK2406S

**Thick Wall Short****2) Engine I/F Kit**

› CIK2388

› CIK2406

› CIK2406S

› SPEC SHEET - 6CT 8.3

**Piston-Liner Kit  
Thin Wall**

› C3802388

**Consist of:**

› a) C3917707

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802370

**Piston-Liner Kit Thick Wall  
Long Liner**

› C3802406

**Consist of:**

› a) C3917707

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802407

**Piston-Liner Kit Thick Wall  
Short Liner**

› C3802406S

**Consist of:**

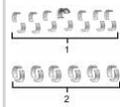
› a) C3917707

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3800328

**1) Main Bearing Set**

› C3802210 Std

› C3802211 0.25 mm

› C3802212 0.50 mm

› C3802213 0.75 mm

**Use 1****2) Con Rod Bearing**

› C3901430 Std

› C3901431 0.25 mm

› C3901432 0.50 mm

› C3901433 0.75 mm

› Use 12

**Rod bearings are priced  
and sold per shell****Cummins CPL's**

1262

1263

1406

1439

1615

1618

1668

2100

2367

2368

2531

2995

2996

8146

**Case IH**

2366 - Combine

2377 - Combine

**1) Front Seal**

› C3353977

**2) Rear Seal**

› C3353978

**3) Crankshaft**

› C3918986

**4) Front Wear Sleeve**

› C3908277

**5) Rear Wear Sleeve**

› C3906081

**6) Front Rect Seal**

› C3903475

**7) Rear Rect Seal**

› C3912473

**8) Ring Gear**

› C3903309 (173T)

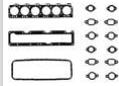
› C3905427 (127T)

› C3901774 (159T)

› C3902127 (138T)

**9) Crankshaft Gear**

› C3918776

**1) Top Gasket Set**

› C4025271

**2) Bottom Gsk Set**

› C3800348

**3) Head Gasket**

› C3938267

**4) Oil Pan Gasket**

› C3914017

**5) Valve Cover Gsk**

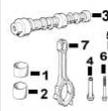
› C3905449

**6) Front Gear Gasket**

› C3929253

**7) Front Cover Gsk**

› C3917780

**1) Bushing, Piston**

› C3913990 x6

**2) Bushing, Cam**

› C3943199 x7

**3) Camshaft**

› C3924471

**4) Tappet**

› C3925031

**5) Push Rod**

› C3905194

**6) Rod Bolt**

› C3928870

**7) Connecting Rod**

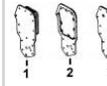
› C3901383

**8) Con Rod Nut**

› C3901381

**9) Camshaft Gear**

› C3918777

**1) Oil Cooler 12 Plates**

› C3918175

**2) Oil Cooler Gasket**

› C3918174

**3) Oil Cooler Gsk Filter Hd**

› C3914308

**4) Oil Pump**

› C3930338

**1) Intake, Valve Kit**

› C3802463

**Consist of:**

› C3924492 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924582

**Use 6****1) Exhaust, Valve Kit**

› C3802085

**Consists of:**

› C3921444 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924583

**Use 6****1) Spring, Valve**

› C3906412 x12

**2) Seal, Valve**

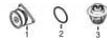
› C3915707 x12

**1) Guide, Valve**

› C3923564 x12

**2) Retainer, Valve Spring**

› C3912976 x12

**1) Water Pump**

› C3800976

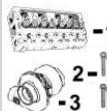
› C4089647

**2) Water Pump Seal**

› C3902089

**3) Thermostat**

› C3928639 x2

**1) Cylinder Head**

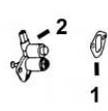
› C3973493

**2) Head Bolt Kit**

› C6C-HBK

**3) Turbocharger**

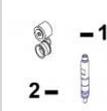
› C3802651

**1) Fuel Lift Pump**

› C3917998

**2) Fuel Pump Gasket**

› C3914304

**1) Tensioner, Belt**

› C3976831

**2) Injector**

› C3919602

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CT 8.3 PISTON (M): 9566**

**Engine Series:**

C

**Engine Model:**

6CT 8.3

**Engine Data:**

TURBOCHARGED

**Engine Info:**

6 Cyl

**Engine Dimensions:**

Bore: 4.49 in / 114 mm  
Stroke: 5.32 in / 135 mm

**Piston (M):**

9566



- 1) **Engine O/H Kit**
  - ↳ COK2372
- Thin Wall**
  - ↳ COK2405
- Thick Wall Long**
  - ↳ COK4580
- Thick Wall Short**
- 2) **Engine I/F Kit**
  - ↳ CIK2372
  - ↳ CIK2405
  - ↳ CIK4580
  - ↳ SPEC SHEET - 6CT 8.3



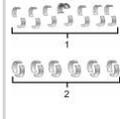
- Piston-Liner Kit Thin Wall**
  - ↳ C3802372
- Consist of:**
  - ↳ a) C3919566
  - ↳ b) C3901597
  - ↳ c) C3901996
  - ↳ d) C3802258
  - ↳ e) C3802370



- Piston-Liner Kit Thick Wall Long Liner**
  - ↳ C3802405
- Consist of:**
  - ↳ a) C3919566
  - ↳ b) C3901597
  - ↳ c) C3901996
  - ↳ d) C3802258
  - ↳ e) C3802407



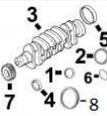
- Piston-Liner Kit Thick Wall Short Liner**
  - ↳ C3934580
- Consist of:**
  - ↳ a) C3919566
  - ↳ b) C3901597
  - ↳ c) C3901996
  - ↳ d) C3802258
  - ↳ e) C3800328



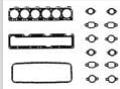
- 1) **Main Bearing Set**
  - ↳ C3802210 Std
  - ↳ C3802211 0.25 mm
  - ↳ C3802212 0.50 mm
  - ↳ C3802213 0.75 mm
- Use 1**
- 2) **Con Rod Bearing**
  - ↳ C3901430 Std
  - ↳ C3901431 0.25 mm
  - ↳ C3901432 0.50 mm
  - ↳ C3901433 0.75 mm
  - ↳ Use 12
- Rod bearings are priced and sold per shell**

**Cummins CPL's**

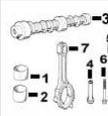
- 1221
- 1282
- 1366
- 1929
- 2172
- 2960
- 8089



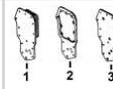
- 1) **Front Seal**
  - ↳ C3353977
- 2) **Rear Seal**
  - ↳ C3353978
- 3) **Crankshaft**
  - ↳ C3918986
- 4) **Front Wear Sleeve**
  - ↳ C3908277
- 5) **Rear Wear Sleeve**
  - ↳ C3906081
- 6) **Front Rect Seal**
  - ↳ C3903475
- 7) **Rear Rect Seal**
  - ↳ C3912473
- 8) **Ring Gear**
  - ↳ C3903309 (173T)
  - ↳ C3905427 (127T)
  - ↳ C3901774 (159T)
  - ↳ C3902127 (138T)
- 9) **Crankshaft Gear**
  - ↳ C3918776



- 1) **Top Gasket Set**
  - ↳ C4025271
- 2) **Bottom Gsk Set**
  - ↳ C3800348
- 3) **Head Gasket**
  - ↳ C3938267
- 4) **Oil Pan Gasket**
  - ↳ C3914017
- 5) **Valve Cover Gsk**
  - ↳ C3905449
- 6) **Front Gear Gasket**
  - ↳ C3929253
- 7) **Front Cover Gsk**
  - ↳ C3917780



- 1) **Bushing, Piston**
  - ↳ C3913990 x6
- 2) **Bushing, Cam**
  - ↳ C3943199 x7
- 3) **Camshaft**
  - ↳ C3924471
- 4) **Tappet**
  - ↳ C3925031
- 5) **Push Rod**
  - ↳ C3905194
- 6) **Rod Bolt**
  - ↳ C3928870
- 7) **Connecting Rod**
  - ↳ C3901383
- 8) **Con Rod Nut**
  - ↳ C3901381
- 9) **Camshaft Gear**
  - ↳ C3918777



- 1) **Oil Cooler 12 Plates**
  - ↳ C3918175
- 2) **Oil Cooler Gasket**
  - ↳ C3918174
- 3) **Oil Cooler Gsk Filter Hd**
  - ↳ C3914308
- 4) **Oil Pump**
  - ↳ C3930338

- 1) **Intake, Valve Kit**
  - ↳ C3802463
- Consist of:**
  - ↳ C3924492 x1 Valve
  - ↳ C3901177 x2 Collet
- 2) **Insert, Valve**
  - ↳ C3924582
- Use 6**

- 1) **Exhaust, Valve Kit**
  - ↳ C3802085
- Consists of:**
  - ↳ C3921444 x1 Valve
  - ↳ C3901177 x2 Collet
- 2) **Insert, Valve**
  - ↳ C3924583
- Use 6**

- 1) **Spring, Valve**
  - ↳ C3906412 x12
- 2) **Seal, Valve**
  - ↳ C3915707 x12

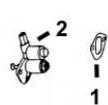
- 1) **Guide, Valve**
  - ↳ C3923564 x12
- 2) **Retainer, Valve Spring**
  - ↳ C3912976 x12



- 1) **Water Pump**
  - ↳ C3800976
- 2) **Water Pump Seal**
  - ↳ C3902089
- 3) **Thermostat**
  - ↳ C3928639 x2



- 1) **Cylinder Head**
  - ↳ C3973493
- 2) **Head Bolt Kit**
  - ↳ C6C-HBK



- 1) **Fuel Lift Pump**
  - ↳ C3917998
- 2) **Fuel Pump Gasket**
  - ↳ C3914304



- Tensioner, Belt**
  - ↳ C3976831

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CTA 8.3 PISTON (M): 3164**

**Engine Series:**

C

**Engine Model:**

6CTA 8.3

**Engine Desc:**

(CDC 6.830)

**Engine Data:**TURBOCHARGED  
AFTERCOOLED**Engine Info:**

6 Cyl

**Engine****Dimensions:**Bore: 4.49 in /  
114 mm Stroke:  
5.32 in / 135  
mm**Piston (M):**3164, 9565,  
9930Please see  
page 649 for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

› COK2401

**Thin Wall**

› COK2404

**Thick Wall Long**

› COK2404S

**Thick Wall Short****2) Engine I/F Kit**

› CIK2401

› CIK2404

› CIK2404S

› SPEC SHEET - 6CT 8.3

**Piston-Liner Kit  
Thin Wall**

› C3802401

**Consist of:**

› a) C3923164

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802370

**Piston-Liner Kit Thick Wall  
Long Liner**

› C3802404

**Consist of:**

› a) C3923164

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802407

**Piston-Liner Kit Thick Wall  
Short Liner**

› C3802404S

**Consist of:**

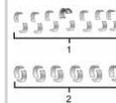
› a) C3923164

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3800328

**1) Main Bearing Set**

› C3802210 Std

› C3802211 0.25 mm

› C3802212 0.50 mm

› C3802213 0.75 mm

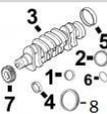
**Use 1****2) Con Rod Bearing**

› C3901430 Std

› C3901431 0.25 mm

› C3901432 0.50 mm

› C3901433 0.75 mm

**Use 12****Rod bearings are priced  
and sold per shell****1) Front Seal**

› C3353977

**2) Rear Seal**

› C3353978

**3) Crankshaft**

› C3918986

**4) Front Wear Sleeve**

› C3908277

**5) Rear Wear Sleeve**

› C3906081

**6) Front Rect Seal**

› C3903475

**7) Rear Rect Seal**

› C3912473

**8) Ring Gear**

› C3903309 (173T)

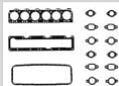
› C3905427 (127T)

› C3901774 (159T)

› C3902127 (138T)

**9) Crankshaft Gear**

› C3918776

**1) Top Gasket Set**

› C4025271

**2) Bottom Gsk Set**

› C3800348

**3) Head Gasket**

› C3938267

**4) Oil Pan Gasket**

› C3914017

**5) Valve Cover Gsk**

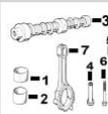
› C3905449

**6) Front Gear Gasket**

› C3929253

**7) Front Cover Gsk**

› C3917780

**1) Bushing, Piston**

› C3913990 x6

**2) Bushing, Cam**

› C3943199 x7

**3) Camshaft**

› C3924471

**4) Tappet**

› C3925031

**5) Push Rod**

› C3905194

**6) Rod Bolt**

› C3928870

**7) Connecting Rod**

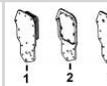
› C3901383

**8) Con Rod Nut**

› C3901381

**9) Camshaft Gear**

› C3918777

**1) Oil Cooler 12 Plates**

› C3918175

**2) Oil Cooler Gasket**

› C3918174

**3) Oil Cooler Gsk Filter Hd**

› C3914308

**4) Oil Pump**

› C3930338

**1) Intake, Valve Kit**

› C3802463

**Consist of:**

› C3924492 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924582

**Use 6****1) Exhaust, Valve Kit**

› C3802085

**Consists of:**

› C3921444 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924583

**Use 6****1) Spring, Valve**

› C3906412 x12

**2) Seal, Valve**

› C3915707 x12

**1) Guide, Valve**

› C3923564 x12

**2) Retainer, Valve Spring**

› C3912976 x12

**1) Water Pump**

› C3800976

**2) Water Pump Seal**

› C3902089

**3) Thermostat**

› C3928639 x2

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CTA 8.3 PISTON (M): 3537**

**Engine Series:**

C

**Engine Model:**

6CTA 8.3

**Engine Data:**TURBOCHARGED  
AFTERCOOLED**Engine Info:**

6 Cyl

**Engine Dimensions:**Bore: 4.49 in /  
114 mm Stroke:  
5.32 in / 135  
mm**Piston (M):**

3537

Please see  
page **650** for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

› COK3537

**Thin Wall**

› COK3537L

**Thick Wall Long**

› COK3537S

**Thick Wall Short****2) Engine I/F Kit**

› CIK3537

› CIK3537L

› CIK3537S

› SPEC SHEET - 6CT 8.3

**Piston-Liner Kit  
Thin Wall**

› CPLK3537

**Consist of:**

› a) C3923537

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802370

**Piston-Liner Kit Thick Wall  
Long Liner**

› CPLK3537L

**Consist of:**

› a) C3923537

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3802407

**Piston-Liner Kit Thick Wall  
Short Liner**

› CPLK3537S

**Consist of:**

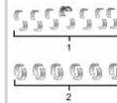
› a) C3923537

› b) C3901597

› c) C3901996

› d) C3802258

› e) C3800328

**1) Main Bearing Set**

› C3802210 Std

› C3802211 0.25 mm

› C3802212 0.50 mm

› C3802213 0.75 mm

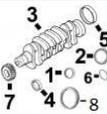
**Use 1****2) Con Rod Bearing**

› C3901430 Std

› C3901431 0.25 mm

› C3901432 0.50 mm

› C3901433 0.75 mm

**Use 12****Rod bearings are priced  
and sold per shell****1) Front Seal**

› C3353977

**2) Rear Seal**

› C3353978

**3) Crankshaft**

› C3918986

**4) Front Wear Sleeve**

› C3908277

**5) Rear Wear Sleeve**

› C3906081

**6) Front Rect Seal**

› C3903475

**7) Rear Rect Seal**

› C3912473

**8) Ring Gear**

› C3903309 (173T)

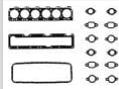
› C3905427 (127T)

› C3901774 (159T)

› C3902127 (138T)

**9) Crankshaft Gear**

› C3918776

**1) Top Gasket Set**

› C4025271

**2) Bottom Gsk Set**

› C3800348

**3) Head Gasket**

› C3938267

**4) Oil Pan Gasket**

› C3914017

**5) Valve Cover Gsk**

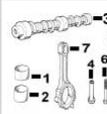
› C3905449

**6) Front Gear Gasket**

› C3929253

**7) Front Cover Gsk**

› C3917780

**1) Bushing, Piston**

› C3913990 x6

**2) Bushing, Cam**

› C3943199 x7

**3) Camshaft**

› C3924471

**4) Tappet**

› C3925031

**5) Push Rod**

› C3905194

**6) Rod Bolt**

› C3928870

**7) Connecting Rod**

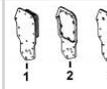
› C3901383

**8) Con Rod Nut**

› C3901381

**9) Camshaft Gear**

› C3918777

**1) Oil Cooler 12 Plates**

› C3918175

**2) Oil Cooler Gasket**

› C3918174

**3) Oil Cooler Gsk Filter Hd**

› C3914308

**4) Oil Pump**

› C3930338

**1) Intake, Valve Kit**

› C3802463

**Consist of:**

› C3924492 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924582

**Use 6****1) Exhaust, Valve Kit**

› C3802085

**Consists of:**

› C3921444 x1 Valve

› C3901177 x2 Collet

**2) Insert, Valve**

› C3924583

**Use 6****1) Spring, Valve**

› C3906412 x12

**2) Seal, Valve**

› C3915707 x12

**1) Guide, Valve**

› C3923564 x12

**2) Retainer, Valve Spring**

› C3912976 x12

**1) Water Pump**

› C3800976

**2) Water Pump Seal**

› C3902089

**3) Thermostat**

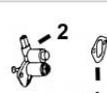
› C3928639 x2

**1) Cylinder Head**

› C3973493

**2) Head Bolt Kit**

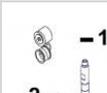
› C6C-HBK

**1) Fuel Lift Pump**

› C3917998

**2) Fuel Pump Gasket**

› C3914304

**1) Tensioner, Belt**

› C3976831

**2) Injector**

› C3919602

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CTA 8.3 PISTON (M): 9161**

**Engine Series:**

C

**Engine Model:**

6CTA 8.3

**Engine Data:**TURBOCHARGED  
AFTERCOOLED**Engine Info:**

6 Cyl

**Engine Dimensions:**EMISSION  
Bore: 4.49 in /  
114 mm  
Stroke: 5.32 in /  
135 mm**Piston (M):**

9161

Please see  
page 651 for a  
complete list of  
equipment  
models.**1) Engine O/H Kit**

• COK9161L

**Thick Wall Long**

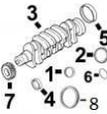
• COK9161S

**Thick Wall Short****2) Engine I/F Kit**• CIK9161L  
• CIK9161S  
• SPEC SHEET - 6CT  
8.3**Piston-Liner Kit**

• CPLK9161L

**Consist of:**• a) C3929161  
• b) C3901597  
• c) C3901996  
• d) C3802258  
• e) C3802407**Piston-Liner Kit**

• CPLK9161S

**Consist of:**• a) C3929161  
• b) C3901597  
• c) C3901996  
• d) C3802258  
• e) C3800328**Main Bearing Set**• C3802210 Std.  
• C3802211 0.25 mm  
• C3802212 0.50 mm  
• C3802213 0.75 mm**Use 1****Con Rod Bearing**• C3901430 Std  
• C3901431 0.25 mm  
• C3901432 0.50 mm  
• C3901433 0.75 mm  
• Use 12**Rod bearings are priced  
and sold per shell****1) Front Seal**

• C3353977

**2) Rear Seal**

• C3353978

**3) Crankshaft**

• C3918986

**4) Front Wear Sleeve**

• C3908277

**5) Rear Wear Sleeve**

• C3906081

**6) Front Rect Seal**

• C3903475

**7) Rear Rect Seal**

• C3912473

**8) Ring Gear**

• C3903309 (173T)

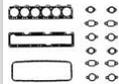
• C3905427 (127T)

• C3901774 (159T)

• C3902127 (138T)

**9) Crankshaft Gear**

• C3918776

**1) Top Gasket Set**

• C4025271

**2) Bottom Gsk Set**

• C3800348

**3) Head Gasket**

• C3938267

**4) Oil Pan Gasket**

• C3914017

**5) Valve Cover Gsk**

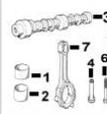
• C3905449

**6) Front Gear Gasket**

• C3929253

**7) Front Cover Gsk**

• C3917780

**1) Bushing, Piston**

• C3913990 x6

**2) Bushing, Cam**

• C3943199 x7

**3) Camshaft**

• C3924471

**4) Tappet**

• C3925031

**5) Push Rod**

• C3905194

**6) Rod Bolt**

• C3928870

**7) Connecting Rod**

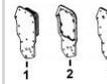
• C3901383

**8) Con Rod Nut**

• C3901381

**9) Camshaft Gear**

• C3918777

**1) Oil Cooler 12 Plates**

• C3918175

**2) Oil Cooler Gasket**

• C3918174

**3) Oil Cooler Gsk Filter Hd**

• C3914308

**4) Oil Pump**

• C3930338

**1) Intake, Valve Kit**

• C3802463

**Consist of:**

• C3924492 x1 Valve

• C3901177 x2 Collet

**2) Insert, Valve**

• C3924582

**Use 6****1) Exhaust, Valve Kit**

• C3802085

**Consists of:**

• C3921444 x1 Valve

• C3901177 x2 Collet

**2) Insert, Valve**

• C3924583

**Use 6****1) Spring, Valve**

• C3906412 x12

**2) Seal, Valve**

• C3915707 x12

**1) Guide, Valve**

• C3923564 x12

**2) Retainer, Valve Spring**

• C3912976 x12

**1) Water Pump**

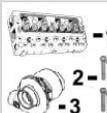
• C3800976

**2) Water Pump Seal**

• C3902089

**3) Thermostat**

• C3928639 x2

**1) Cylinder Head**

• C3973493

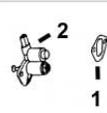
**2) Head Bolt Kit**

• C6C-HBK

**3) Turbocharger**

• C3536309

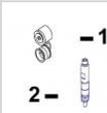
• C3802651

**1) Fuel Lift Pump**

• C3917998

**2) Fuel Pump Gasket**

• C3914304

**1) Tensioner, Belt**

• C3976831

**2) Injector**

• C3926787

• C3930525

• C3931735

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Order in multiples of two.

(5): Only use on engines built from year 1991 onwards.

(7): Some applications use short nose pump C3806180

(9): Consist of C3919937 Liner + C3907177 Seal.

(11): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(6): Do not use with Crankshaft part number 3965006.

(8): Marine applications use C3800975

(10): Consist of C3948095 Liner + C3907177 Seal.

(12): Do not use on Marine applications.

**CUMMINS 6CTA 8.3 PISTON (M): 9247**

**Engine Series:**

C

**Engine Model:**

6CTA 8.3

**Engine Data:**

TURBOCHARGED  
AFTERCOOLED

**Engine Info:**

6 Cyl

**Engine Dimensions:**

Bore: 4.49 in /  
114 mm Stroke:  
5.32 in / 135  
mm

**Piston (M):**

9247

**Cummins CPL's**

1371  
1372  
1684  
2028  
2381  
2383

**Shovel**

EX300 LCH -  
Tata Hitachi

**Skidder**

Ranger F68C  
Ranger F68G



- 1) Engine O/H Kit
  - COK9247
- Thin Wall
  - COK9247L

- Thick Wall Long
  - COK9247S
- Thick Wall Short

- 2) Engine I/F Kit
  - CIK9247
  - CIK9247L
  - CIK9247S
  - SPEC SHEET - 6CT 8.3



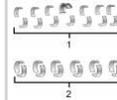
- Piston-Liner Kit  
Thin Wall
  - CPLK9247
- Consist of:
  - a) C3919247
  - b) C3901597
  - c) C3901996
  - d) C3802258
  - e) C3802370



- Piston-Liner Kit Thick Wall  
Long Liner
  - CPLK9247L
- Consist of:
  - a) C3919247
  - b) C3901597
  - c) C3901996
  - d) C3802258
  - e) C3802407

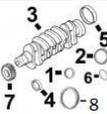


- Piston-Liner Kit Thick Wall  
Short Liner
  - CPLK9247S
- Consist of:
  - a) C3919247
  - b) C3901597
  - c) C3901996
  - d) C3802258
  - e) C3800328

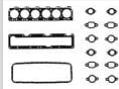


- 1) Main Bearing Set
  - C3802210 Std
  - C3802211 0.25 mm
  - C3802212 0.50 mm
  - C3802213 0.75 mm

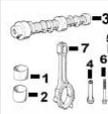
- Use 1
- 2) Con Rod Bearing
  - C3901430 Std
  - C3901431 0.25 mm
  - C3901432 0.50 mm
  - C3901433 0.75 mm
  - Use 12
- Rod bearings are priced  
and sold per shell



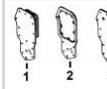
- 1) Front Seal
  - C3353977
- 2) Rear Seal
  - C3353978
- 3) Crankshaft
  - C3918986
- 4) Front Wear Sleeve
  - C3908277
- 5) Rear Wear Sleeve
  - C3906081
- 6) Front Rect Seal
  - C3903475
- 7) Rear Rect Seal
  - C3912473
- 8) Ring Gear
  - C3903309 (173T)
  - C3905427 (127T)
  - C3901774 (159T)
  - C3902127 (138T)
- 9) Crankshaft Gear
  - C3918776



- 1) Top Gasket Set
  - C4025271
- 2) Bottom Gsk Set
  - C3800348
- 3) Head Gasket
  - C3938267
- 4) Oil Pan Gasket
  - C3914017
- 5) Valve Cover Gsk
  - C3905449
- 6) Front Gear Gasket
  - C3929253
- 7) Front Cover Gsk
  - C3917780



- 1) Bushing, Piston
  - C3913990 x6
- 2) Bushing, Cam
  - C3943199 x7
- 3) Camshaft
  - C3924471
- 4) Tappet
  - C3925031
- 5) Push Rod
  - C3905194
- 6) Rod Bolt
  - C3928870
- 7) Connecting Rod
  - C3901383
- 8) Con Rod Nut
  - C3901381
- 9) Camshaft Gear
  - C3918777



- 1) Oil Cooler 12 Plates
  - C3918175
- 2) Oil Cooler Gasket
  - C3918174
- 3) Oil Cooler Gsk Filter Hd
  - C3914308
- 4) Oil Pump
  - C3930338

- 1) Intake, Valve Kit
  - C3802463
- Consist of:
  - C3924492 x1 Valve
  - C3901177 x2 Collet
- 2) Insert, Valve
  - C3924582
- Use 6



- 1) Exhaust, Valve Kit
  - C3802085
- Consists of:
  - C3921444 x1 Valve
  - C3901177 x2 Collet
- 2) Insert, Valve
  - C3924583
- Use 6

- 1) Spring, Valve
  - C3906412 x12
- 2) Seal, Valve
  - C3915707 x12

- 1) Guide, Valve
  - C3923564 x12
- 2) Retainer, Valve Spring
  - C3912976 x12

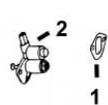
- 1) Water Pump
  - C3800976
- 2) Water Pump Seal
  - C3902089
- 3) Thermostat
  - C3928639 x2



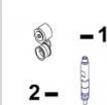
- 1) Cylinder Head
  - C3973493
- 2) Head Bolt Kit
  - C6C-HBK



- 1) Fuel Lift Pump
  - C3917998
- 2) Fuel Pump Gasket
  - C3914304



- 1) Tensioner, Belt
  - C3976831
- 2) Injector
  - C3919602



(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Block 3934906 (Thick Wall / Short Liner) Flange ø 5.152", (Length: 9.12" / 234 mm).

(5): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(7): Do not use with Crankshaft part number 3965006.

(9): Marine applications use C3800975

(11): Consist of C3919937 Liner + C3907177 Seal.

(13): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): Order in multiples of two.

(6): Only use on engines built from year 1991 onwards.

(8): Some applications use short nose pump C3806180

(10): Consist of C3907792 Liner + C3907177 Seal.

(12): Consist of C3948095 Liner + C3907177 Seal.

(14): Do not use on Marine applications.

**CUMMINS 6CTA 8.3 PISTON (M): 5878**

**Engine Series:**

C

**Engine Model:**

6CTA 8.3

**Engine Data:**TURBOCHARGED  
AFTERCOOLED**Engine Info:**

6 Cyl

**Engine Dimensions:**Bore: 4.49 in /  
114 mm  
Stroke: 5.32 in /  
135 mm**Piston (M):**

5878

Please see page 652 for a complete list of equipment models.

**1) Engine O/H Kit**

• COK5878L

**Thick Wall Long**

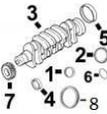
• COK5878S

**Thick Wall Short****2) Engine I/F Kit**• CIK5878L  
• CIK5878S  
• SPEC SHEET - 6CT  
8.3**Piston-Liner Kit**

• CPLK5878L

**Consist of:**• a) C3925878  
• b) C3901597  
• c) C3901996  
• d) C3802258  
• e) C3802407**Piston-Liner-Kit**

• CPLK5878S

**Consist of:**• a) C3925878  
• b) C3901597  
• c) C3901996  
• d) C3802258  
• e) C3800328**Main Bearing Set**• C3802210 Std.  
• C3802211 0.25 mm  
• C3802212 0.50 mm  
• C3802213 0.75 mm**Use 1****Con Rod Bearing**• C3901430 Std  
• C3901431 0.25 mm  
• C3901432 0.50 mm  
• C3901433 0.75 mm  
• Use 12**Rod bearings are priced and sold per shell****1) Front Seal**

• C3353977

**2) Rear Seal**

• C3353978

**3) Crankshaft**

• C3918986

**4) Front Wear Sleeve**

• C3908277

**5) Rear Wear Sleeve**

• C3906081

**6) Front Rect Seal**

• C3903475

**7) Rear Rect Seal**

• C3912473

**8) Ring Gear**

• C3903309 (173T)

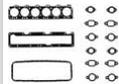
• C3905427 (127T)

• C3901774 (159T)

• C3902127 (138T)

**9) Crankshaft Gear**

• C3918776

**1) Top Gasket Set**

• C4025271

**2) Bottom Gsk Set**

• C3800348

**3) Head Gasket**

• C3938267

**4) Oil Pan Gasket**

• C3914017

**5) Valve Cover Gsk**

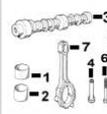
• C3905449

**6) Front Gear Gasket**

• C3929253

**7) Front Cover Gsk**

• C3917780

**1) Bushing, Piston**

• C3913990 x6

**2) Bushing, Cam**

• C3943199 x7

**3) Camshaft**

• C3924471

**4) Tappet**

• C3925031

**5) Push Rod**

• C3905194

**6) Rod Bolt**

• C3928870

**7) Connecting Rod**

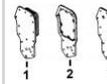
• C3901383

**8) Con Rod Nut**

• C3901381

**9) Camshaft Gear**

• C3918777

**1) Oil Cooler 12 Plates**

• C3918175

**2) Oil Cooler Gasket**

• C3918174

**3) Oil Cooler Gsk Filter Hd**

• C3914308

**4) Oil Pump**

• C3930338

11  
11  
11  
114  
6**1) Intake, Valve Kit**

• C3802463

**Consist of:**

• C3924492 x1 Valve

• C3901177 x2 Collet

**2) Insert, Valve**

• C3924582

**Use 6****1) Exhaust, Valve Kit**

• C3802085

**Consists of:**

• C3921444 x1 Valve

• C3901177 x2 Collet

**2) Insert, Valve**

• C3924583

**Use 6****1) Spring, Valve**

• C3906412 x12

**2) Seal, Valve**

• C3915707 x12

**1) Guide, Valve**

• C3923564 x12

**2) Retainer, Valve Spring**

• C3912976 x12

**1) Water Pump**

• C3800976

**2) Water Pump Seal**

• C3902089

**3) Thermostat**

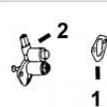
• C3928639 x2

**1) Cylinder Head**

• C3973493

**2) Head Bolt Kit**

• C6C-HBK

**1) Fuel Lift Pump**

• C3917998

**2) Fuel Pump Gasket**

• C3914304

**Tensioner, Belt**

• C3976831

(1): Block 3802265 (Thin Wall) Flange ø 5.223".

(3): Order in multiples of two.

(5): Only use on engines built from year 1991 onwards.

(7): Some applications use short nose pump C3806180

(9): Consist of C3919937 Liner + C3907177 Seal.

(11): Check for proper application.

(2): Block 3802408 (Thick Wall / Long Liner) Flange ø 5.152", (Length: 9.33" / 237 mm).

(4): To use C3924471 to replace 3917882 buy the following from Cummins: 3918777 Cam Gear, 3927155 Thrust and 3902332 Key. Use ESN or application model to confirm correct camshaft.

(6): Do not use with Crankshaft part number 3965006.

(8): Marine applications use C3800975

(10): Consist of C3948095 Liner + C3907177 Seal.

(12): Do not use on Marine applications.

**CUMMINS QSC 8.3 PISTON (M): 2106, 3446**

**Engine Series:**

C

**Engine Model:**

QSC 8.3

**Engine Desc:**

CAPS  
INJECTION

**Engine Data:**

24 VALVE

**Engine Info:**

6 Cyl

**Engine Dimensions:**

Bore: 4.484 in /  
114 mm Stroke:  
5.31 in / 135  
mm

**Piston (M):**

2106, 3446



**1) Engine O/H Kit**

↳ COK0319

**2) Engine I/F Kit**

↳ CIK0319

↳ SPEC SHEET - QSC  
8.3



**Piston-Liner Kit**

↳ C3800319

**Consist of:**

- ↳ a) C3942106
- ↳ b) C3901597
- ↳ c) C3901996
- ↳ d) C3802258
- ↳ e) C3800328

**Use 6**



**Main Bearing Set**

- ↳ C3802210 *Std.*
- ↳ C3802211 *0.25 mm*
- ↳ C3802212 *0.50 mm*
- ↳ C3802213 *0.75 mm*

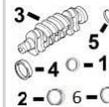
**Use 1**



**Con Rod Bearing**

- ↳ C3901430 *Std*
- ↳ C3901431 *0.25 mm*
- ↳ C3901432 *0.50 mm*
- ↳ C3901433 *0.75 mm*

**Rod bearings are  
priced and sold per  
shell**



**1) Front Seal**

↳ C3353977

**2) Rear Seal**

↳ C3353978

**3) Crankshaft**

↳ C3918986

**4) Front Wear Sleeve**

↳ C3908277

**5) Rear Wear Sleeve**

↳ C3906081

**6) Ring Gear**

- ↳ C3903309 *(173T)*
- ↳ C3905427 *(127T)*
- ↳ C3901774 *(159T)*
- ↳ C3902127 *(138T)*

**7) Crankshaft Gear**

↳ C3918776

1  
1  
1  
1

Please see  
page **653** for a  
complete list of  
equipment  
models.



**1) Top Gasket Set**

↳ C4089958

**2) Bottom Gsk Set**

↳ C3800343

**3) Head Gasket**

↳ C3943366

**4) Oil Pan Gasket**

↳ C3938160

**5) Valve Cover Gsk**

↳ C3939284

**6) Front Gear Gasket**

↳ C3944293

**7) Rear Cover Gasket**

↳ C3939353



**1) Bushing, Piston**

↳ C3913990 *x6*

**2) Bushing, Cam**

↳ C3943199 *x7*

**3) Camshaft**

↳ C3938163

**4) Tappet**

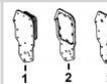
↳ C3945866 *x12*

**5) Head Bolt Long**

↳ C3917728 *x26*

**6) Con Rod**

↳ C3971394



**1) Oil Cooler 12 Plates**

↳ C3918175

**2) Oil Cooler Gasket**

↳ C3918174

**3) Oil Cooler Gsk Filter Hd**

↳ C3914308

**1) Intake Valve**

↳ C3942588 *x12*

**2) Insert, Valve**

↳ C3940152 *x12*

**1) Exhaust Valve**

↳ C3942589 *x12*

**2) Insert, Valve**

↳ C3940153 *x12*

**1) Valve Spring**

↳ C3940279 *x24*

**2) Seal, Valve**

↳ C3948578 *x12*

**1) Valve Guide**

↳ C3942645 *x24*

**2) Retainer, Valve Spring**

↳ C3900250 *x48*



**1) Water Pump**

↳ C4089647

**2) Water Pump Seal**

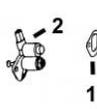
↳ C3940386

**3) Thermostat**

↳ C5284903

**Oil, Pump**

↳ C3948072



**1) Fuel Lift Pump**

↳ C4988747

**2) Fuel Pump Gasket**

↳ C3914304



**1) Tensioner, Belt**

↳ C3976831

**2) Turbocharger**

↳ C3590348

1  
1

(1): Check Application for proper usage.