

## CX210B

### Service material of Engine



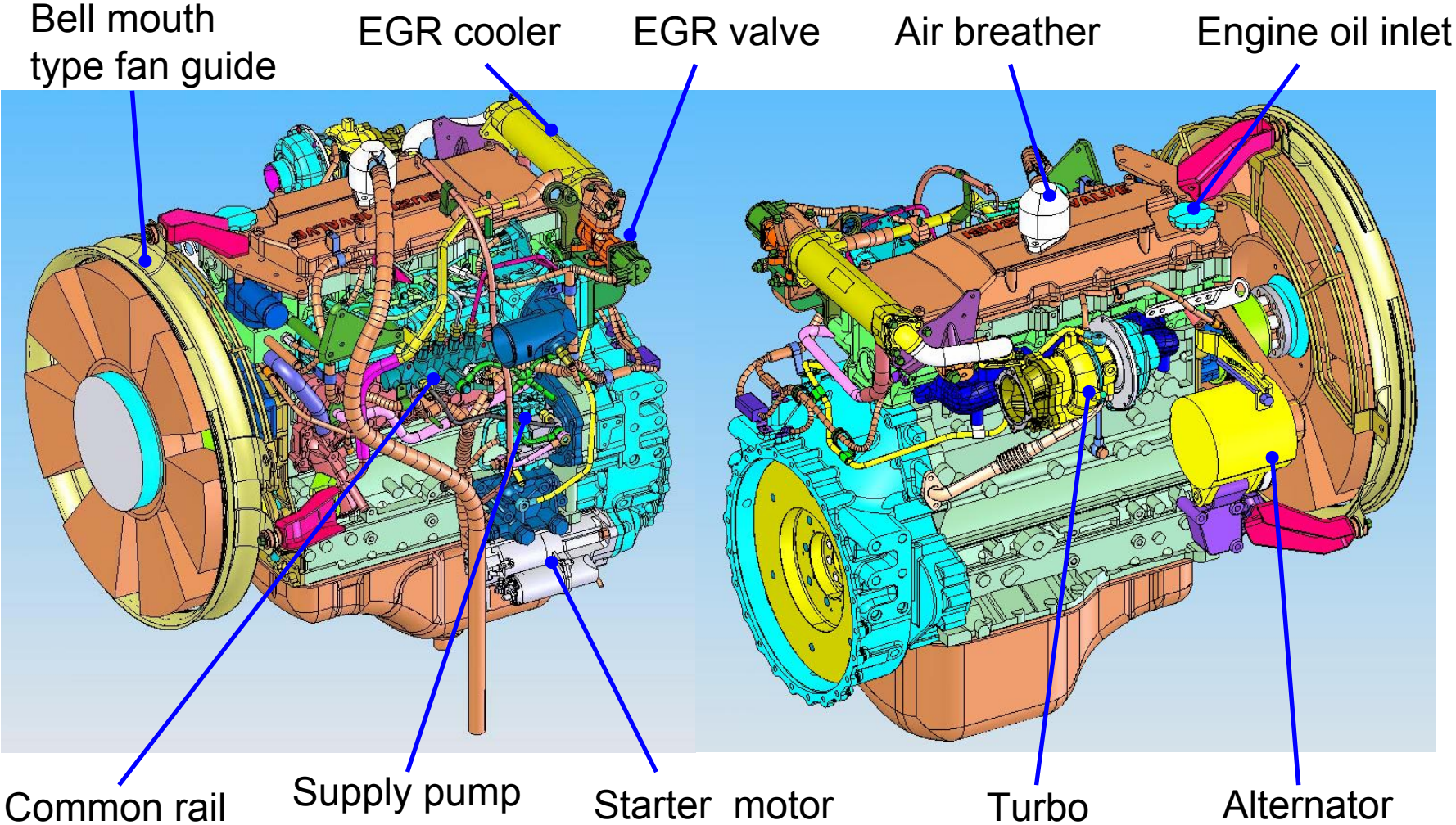
# Main Data Table



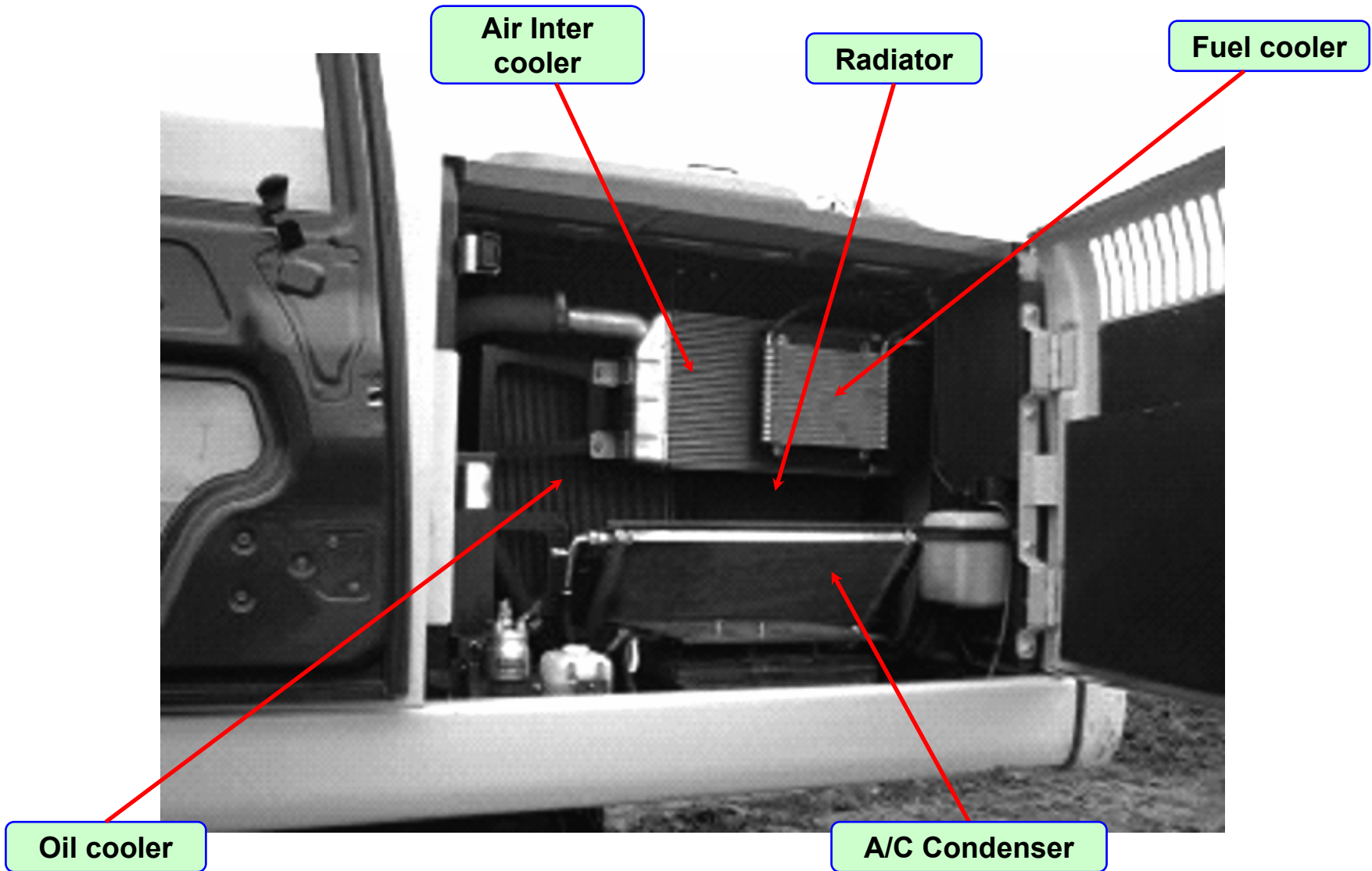
## (Difference between CX210B and CX210 engine)

		CX210B (Tier 3)	CX210 (Tier 2)
Engine Model Name	-	ISUZU AI-4HK1XYB	CASE 6TAA-5904
Model	-	4-cycle, Water cooled, OHC, inline direct injection	4-cycle, Water cooled, OHC, inline direct injection
Dry weight	lb (kg)	1,058 (480)	?
Displacement	in <sup>3</sup> (l)	317 (5.193)	360 (5.9)
Cylinders-bore×stroke	in (mm)	4-4.53×4.92 (4-115×125)	6-4.02×4.72 (6-102×120)
Compression ratio	-	17.5/1	18.0 / 1
Rated output	hp (kW)/rpm	157 (117.3) / 1800	153 (114) / 1950
Maximum torque	lb ft (Nm)/rpm	463 (628) / 1500	450 (610) / 1400
No load maximum speed	rpm	1800	2000
No load minimum speed (idling)	rpm	1000	900
Fuel consumption rate	g/kW · hr	229.3 and below	-
Fuel unit	-	DENSO, common rail type-HP3	Cummins Distributor
Control device	-	Transtron (ECM)	Cummins
Cooling fan	-	7N-inhale-φ650 plastic	7N-inhale-φ600 plastic
Bell mouth type fan guide	-	installed	installed
Fan belt	-	V shape ribbed belt (single)	Type-B V belt, dual-drive
Alternator	-	NDTC electric 50A-24V	MITSUBISHI 50A-24V
Starter	-	NDTC 5.0kW-24V	NDTC 4.5kW-24V
Turbo	-	IHI type-RHF55	
Preheat	-	QOS-II	Manifold Grid
Inter cooler	-	Yes	Yes
Fuel cooler	-	Yes	None
Electromagnetic pump	-	Yes	Yes
Fuel filter	-	4μ, with water separator, remote mounted	20μ, with water separator, at engine
Fuel pre filter	-	10μ, with water separator, remote mounted	Water separator, remote mounted
Oil filter	-	remote mounted	at engine
Oil pan	L	13.0~ 20.5	16.4~ 21.5
Oil pan drain cock	-	Yes	None

# Engine Summary



# Engine Summary



## Differences between Tier2 and Tier3 sensors

### Tier 2

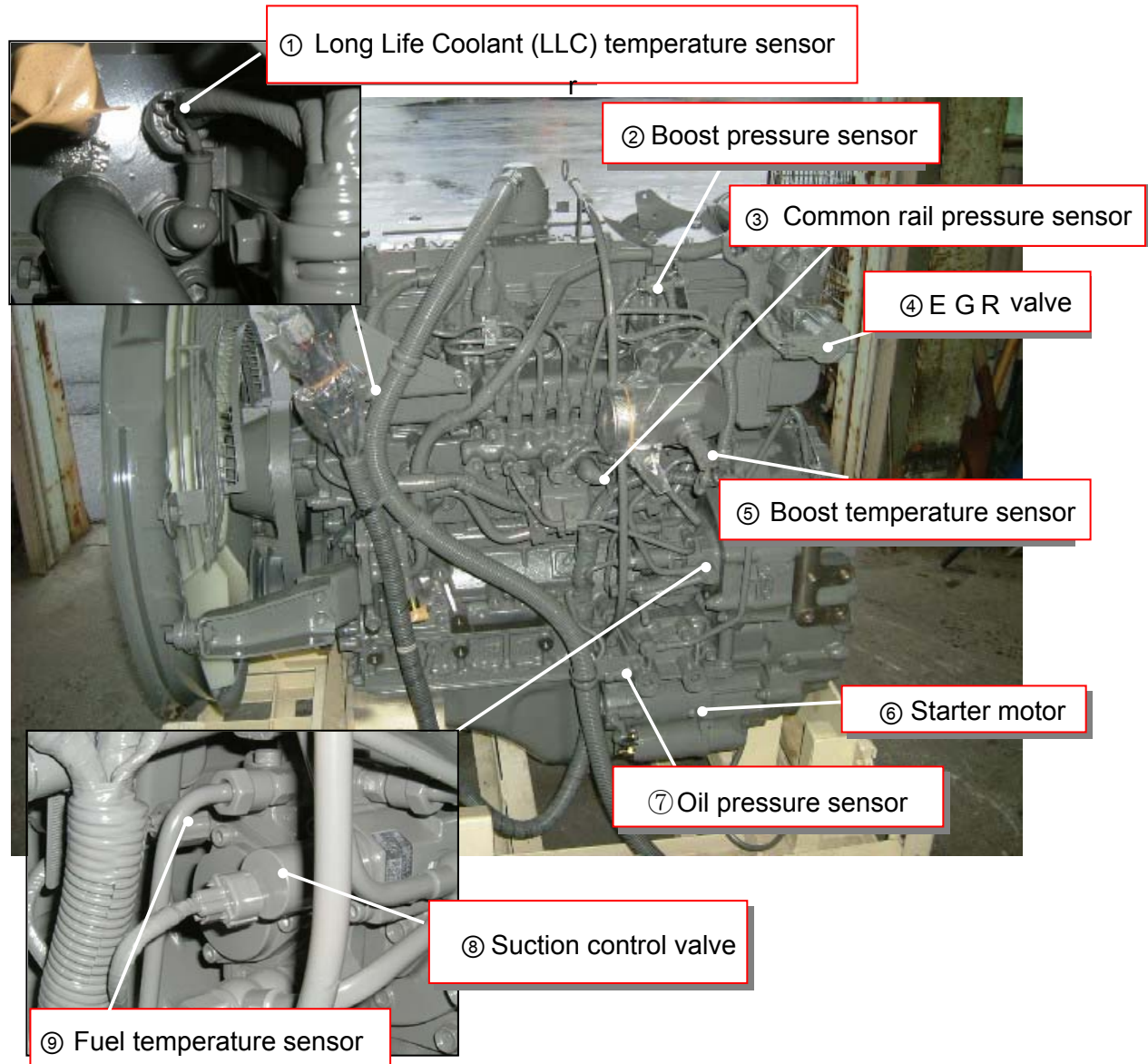
- **Tachometer**
- **Coolant Temperature**
- **Oil Pressure**

### Tier 3

**Crank Position**  
**Cam Position**  
**Coolant Temperature**  
**Fuel Temperature**  
**Barometric Pressure**  
**Common Rail Pressure**  
**Boost Pressure**  
**Oil Pressure**  
**Boost Temperature**  
**Intake Air Temperature**  
**EGR Position**

# Sensors and Accessories layout

## Left-side



# Sensors and Accessories layout



## Back-side

