

REPAIR OPTIONS

Tractors Singapore



C9 Engines

330C/330D/336D/D6R

WE OFFER VARIOUS REPAIR OPTIONS

- ▶ Expert advice from qualified Cat® dealer specialists
- ▶ Highly skilled and trained technicians
- ▶ Workshops and service team equipped with advance technology and tooling
- ▶ Use of genuine Cat parts
- ▶ 1 year warranty on parts and workmanship
- ▶ 6 Options to choose from to suit your needs

Option 1: Fuel System Repair

Turnaround Time: 2 Days

*Subject to parts availability

Option 2: Top End Overhaul

Turnaround Time: 5 Days

*Subject to parts availability

Option 2+: Top End Overhaul+ HEUI Pump

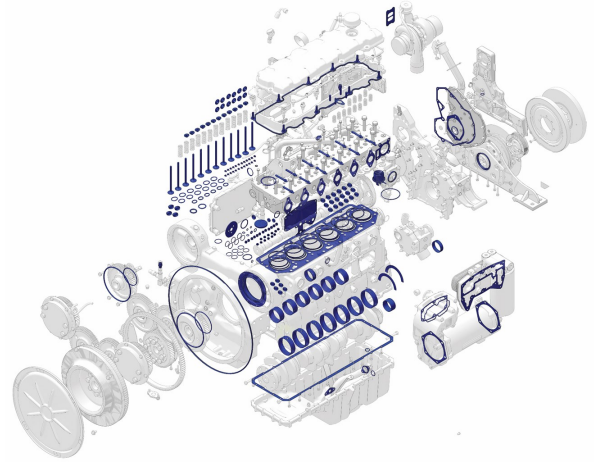
Turnaround Time: 5 Days

*Subject to parts availability

Option 3: Complete Overhaul

Exclude Major Components:

- Engine cylinder block
- Crankshaft
- Engine control module
- Engine harness
- Air cleaner housing
- Exhaust manifold
- Damper and pulley
- Blower/Suction fan
- Flywheel and ring gear
- Rear housing
- Front housing
- Front timing gears
- Engine mountings
- Engine oil sump
- Air conditioner refrigerant compressor
- Transmission oil coolers
- Pistons and Con rods
- Rocker arms and shafts



Note: This drawing illustrates only some of the Option 3 parts. If you wish to know the specific parts included in each of the repair options, please refer to the work scope and contact your Parts & Service Sales Rep.

Option 4A: Reman Options

Long Block
Short Block
Engine

Option 4B: Build Your Own List

Build up your own list with
Genuine Cat® Parts

APPLICABLE EQUIPMENT

Machine Model	Machine Serial No. Prefix	PREFIX OF C9
330C	KDD, GKX	4ZF
D6R	BPP, BPZ	4ZF
330D	FFK, NBD	THX / TXD
336D	PRF, ZML, L5X	THX / TXD / THY
D6R	LGP, S6T, S6Y, S6X, PPP, SSS	THX / TXD

TSL C9 Repair Option Workscope	Fuel System	Top End	Top End & HEUI Pump	Complete Overhaul
	Option 1	Option 2	Option 2+	Option 3
Remove, install turbocharger for recondition or exchange.		✓	✓	✓
Remove, install cylinder head for recondition or exchange.		✓	✓	✓
Remove, install and replace fan belt.		✓	✓	✓
Remove, install all fuel injectors for exchange.	✓	✓	✓	✓
Remove, install HEUI pump for exchange.	✓		✓	✓
Remove, install fuel priming pump for recondition or replacement.	✓		✓	✓
Remove, install injector harness for replacement.	✓	✓	✓	✓
Re-program injectors with trim codes.	✓	✓	✓	✓
Replace engine oil, oil filter, fuel filter & fuel water separator.	✓	✓	✓	✓
Replace valve cover seal / gasket.	✓	✓	✓	✓
Remove, install valve mechanism group for recondition.		✓	✓	✓
Remove, install exhaust manifold for cleaning and checking.		✓	✓	✓
Clean and inspect fumes disposal group and replace engine breather.		✓	✓	✓
Clean and inspect fuel lines group.		✓	✓	✓
Clean and inspect water lines & air lines group.		✓	✓	✓
Replace water regulator and clean housing.		✓	✓	✓
Replace top end overhaul gaskets & seals.		✓	✓	✓
Replace air filters.		✓	✓	✓
Remove, install lube oil pump for recondition or exchange.				✓
Remove, install fresh water pump for recondition or exchange.				✓
Remove, install fan drive group for recondition.				✓
Remove, install starter motor for recondition or exchange.				✓
Remove, install alternator for recondition or exchange.				✓
Clean and pressure test lube oil cooler.				✓
Check engine wiring, harness and sensors.				✓
Remove, install all pistons and rods for inspection.				✓
Remove, install crankshaft for checking.				✓
Remove, replace and install crankshaft main & thrust bearings and con rod bearings.				✓
Remove, install camshaft for checking or replacement, if required.				✓
Remove, install front and rear housings & gear train for checking.				✓
Remove, install and clean front timing gears for checking.				✓
Remove, install and clean flywheel for checking.				✓
Clean and inspect cylinder block group.				✓
Clean and inspect oil lines group.				✓
Inspect/Replace hoses and clamps.				✓
Replace all gaskets & seals.				✓
Perform dynamometer test.				✓
Carry out standard spray painting.				✓
Start up and test engine.	✓	✓	✓	✓
Flat Rated SGD	S\$9,600	S\$22,700	S\$25,100	S\$43,300

Terms & Conditions:

- Applicable to specific Cat equipment model only.
- Option 1, 2 & 2+ are field service repair options.
- Option 3 is in-workshop repair.
- Customer to arrange lifting facility on site.
- Offer valid till 23rd Dec 2023.

Exclusion Items:

- Machining and metal fabrication works.
- Removal and installation of engine to and from machine.
- Transportation.
- Servicing of Radiator and Aftercooler.

Option 4A: Reman Options

10R9062	Short Block	\$22,650
20R5406	Block G Long	\$28,100
20R5471	Block G Long	\$28,000
20R1781	Engine	\$47,200
20R1784	Engine	\$49,300

Option 4B: Build Your Own List

Build up your own repair kit with Genuine Cat® Parts.

T&Cs for Build Your Own List:

- BYOL minimum purchase of S\$5,000 parts value per transaction, exclude core deposits, taxes or other charges.
- Parts purchased are non-returnable.
- Only for specific parts that will be used in this C9 repair options.
- Parts must be ordered thru Sales Rep to enjoy special pricing. Not valid for use with other marketing program, discount or parts.cat.com orders.
- Model and serial no. is required when placing order.
- Other terms and conditions for quotation and sales applies.
- Offer valid till 23rd Dec 2023.

Speak with us and find out which Repair Option suit you the most.

Because at Tractors Singapore, we ensure that you get the best advice and service from our highly skilled dealer specialist to keep your equipment performing at its best.

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Tractors Singapore



LET'S DO THE WORK.™