

— *PRECIOUS METALS*
OVERHAUL KITS
—



800-277-6010

Carolina



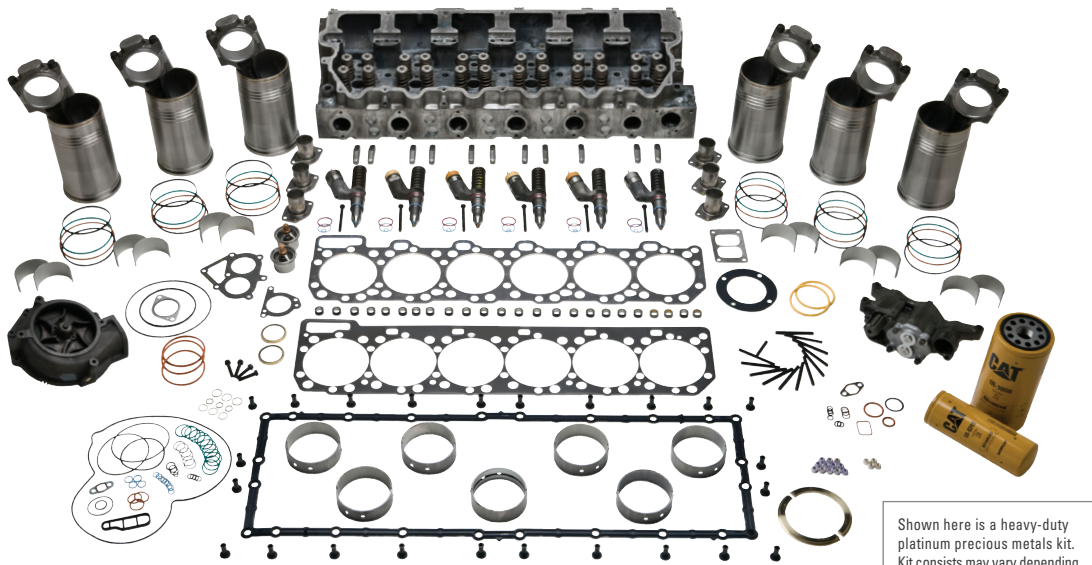
OVERHAUL FOR PEAK PERFORMANCE

Ensure your Cat® on-highway truck engine is running at peak performance by overhauling your engine using a Cat precious metals kit. These kits deliver a reliable and high-quality rebuild that meets Caterpillar’s recommended engine overhaul practices. They include all the parts necessary for a variety of repair options, from a basic repair to a complete in-frame or out-of-frame overhaul.

SIX MPG VS. SEVEN MPG:
\$8,100* IN ANNUAL FUEL COSTS

*Approx. based on 125k miles/year and \$2.75/gallon

SAVE UP TO **30%**
OVER PURCHASING
PARTS INDIVIDUALLY



Shown here is a heavy-duty platinum precious metals kit. Kit consists may vary depending on engine model.

OVERHAUL KITS FOR ANY NEED

We offer a full range of solutions to fit any budget and situation.

MEDIUM-DUTY

BRONZE, SILVER, GOLD, PLATINUM, TITANIUM, HEUI™ FUEL SYSTEM KIT

- » C7
- » 3126B
- » 3126E

HEAVY-DUTY

BRONZE, SILVER, GOLD, PLATINUM

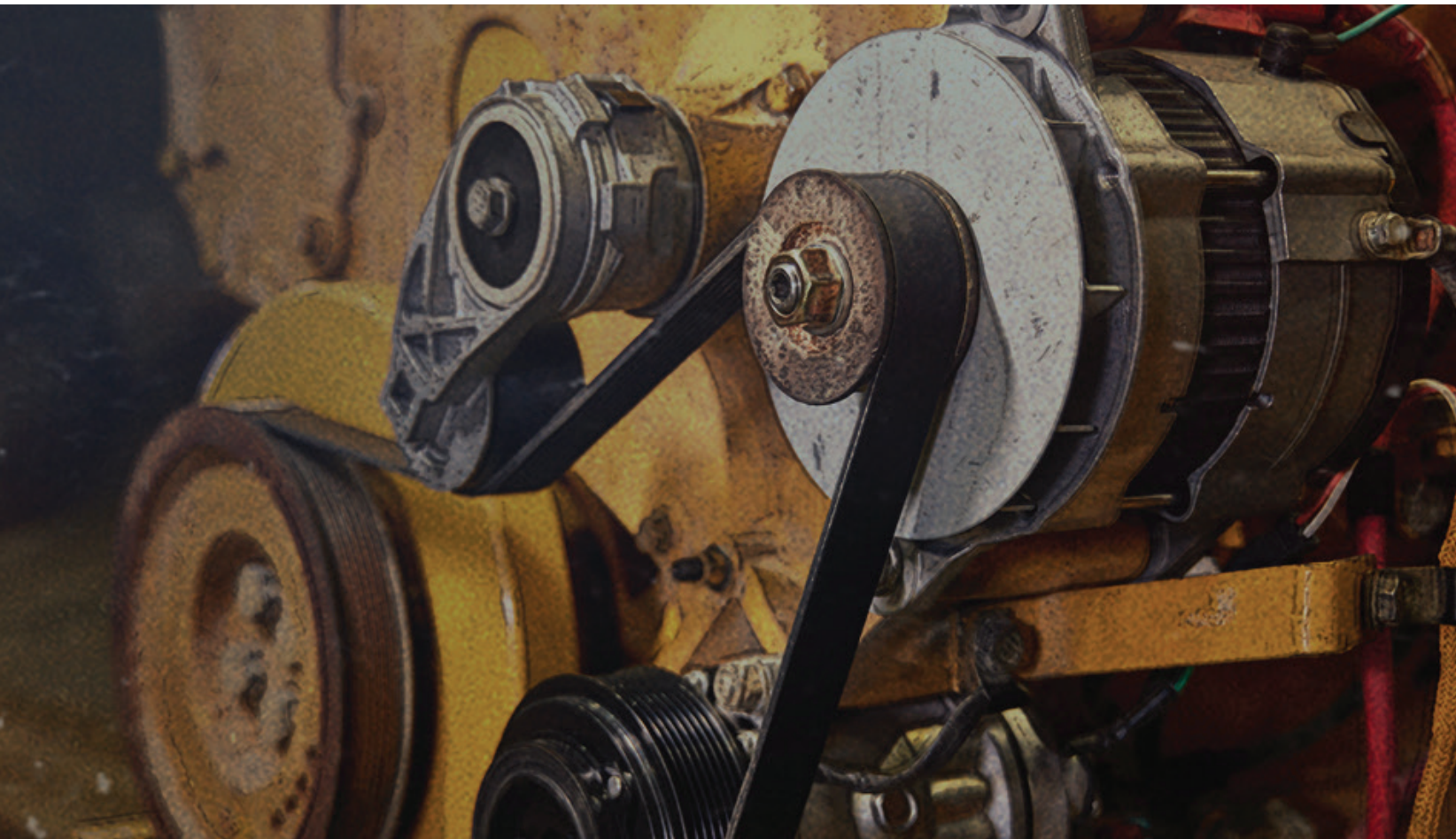
- » C-12
- » C13 ACERT™
- » C-15
- » C15 ACERT
- » C-16
- » 3406E

KITS ARE AVAILABLE ON
PARTS.CAT.COM
FOR FAST ONLINE ORDERING

PAY LESS. GET MORE.

With Cat precious metals kits, you pay up to 30% less than buying truck engine parts individually. Choose the option that matches your repair indicators.

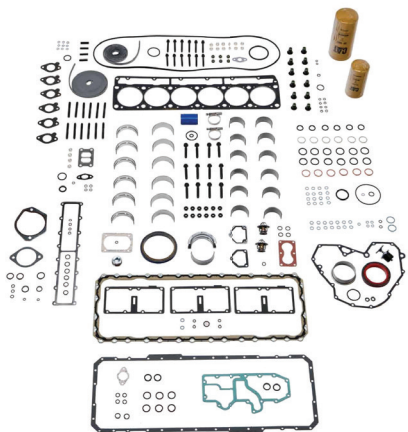
OPTION	REPAIR INDICATORS	KIT OVERVIEW
BRONZE KIT	Any external oil, coolant or fuel leaks	» – Pair with pistons, rings and/or liners for a basic engine reseal – Includes new components — no core charge
SILVER KIT	Decrease in power, increase in oil consumption or excessive exhaust smoke	» – Select this low-end rebuild if you can reuse connecting rods – Includes new components — no core charge
GOLD KIT	Decrease in power, increase in oil consumption or excessive exhaust smoke	» – Select this mid-range rebuild if you cannot reuse connecting rods – Contains factory-assembled Reman cylinder packs with connecting rods – Commonly pairs with Reman cylinder head
PLATINUM KIT	Decrease in MPG or power or increase in oil consumption with excessive exhaust smoke	» – Select this premium overhaul to reset your engine to like-new specifications – Contains Reman components not included in gold: cylinder head, injector set, water pump & oil pump – Commonly pairs with turbocharger(s)
TITANIUM KIT (medium-duty only)	Decrease in MPG or power or increase in oil consumption with excessive exhaust smoke	» – Upgrade to this option if you need a camshaft in addition to platinum – Saves 40-50% on labor hours compared to platinum



MEDIUM-DUTY OVERHAUL KITS

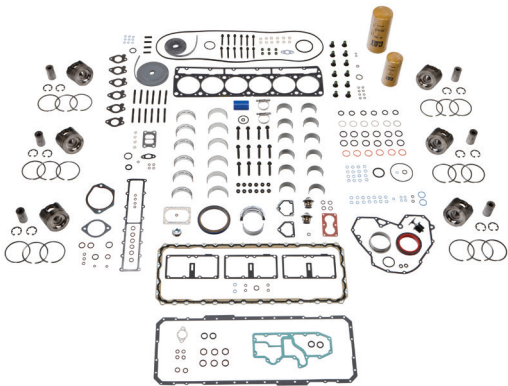
WITH COST-EFFECTIVE AND SIMPLE-TO-ORDER OVERHAUL OPTIONS, MEDIUM-DUTY PRECIOUS METALS OVERHAUL KITS DELIVER RELIABLE, HIGH-QUALITY REBUILDS THAT MEET CATERPILLAR'S RECOMMENDED ENGINE OVERHAUL PRACTICES.

CONSIDERATIONS & AVAILABLE KITS



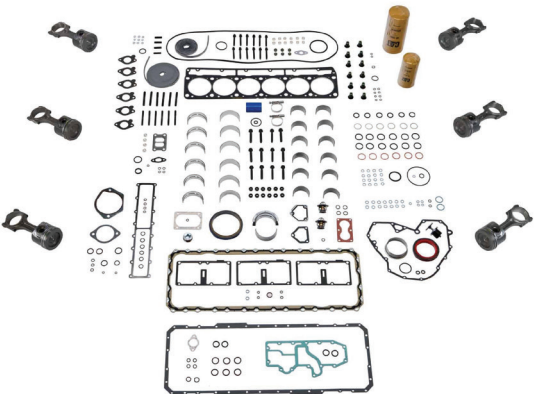
BRONZE

- » Low-cost, basic repair option
- » No core charges
- » Main, rod and thrust bearings
- » Complete set of seals and gaskets, retainers, plugs, hardware, etc.
- » Value-add components: Cat oil filter, at fuel filter, exhaust sleeves, studs and thermostats



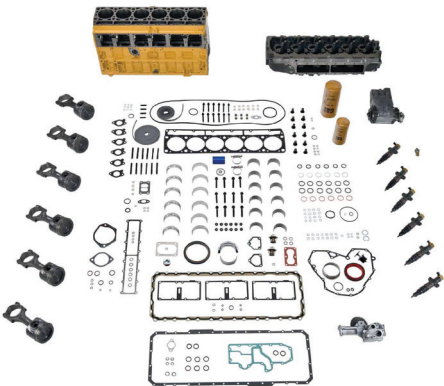
SILVER

- » Basic in-frame overhaul (comparable to most will-fit in-frame overhaul kits)
- » No core charges
- » Includes all parts from bronze kit, plus six pistons, rings, pins and retainers



GOLD

- » Basic in-frame overhaul
- » Most cost-effective extension of asset life
- » Includes the core components from the bronze kit, plus six Reman piston packs, preassembled piston packs (saves labor on piece part assembly)



PLATINUM

- » Complete out-of-frame overhaul
- » Replaces the need for block machining
- » Includes all parts from gold kit, plus bare block, Reman HEUI pump, six Reman injectors, Reman oil pump, Reman cylinder head and IAP sensor



TITANIUM

- » Complete out-of-frame overhaul
- » Includes all parts from bronze kit, plus Reman long block*, six Reman injectors, IAP sensor and preassembled Reman long block (saves labor on piece part assembly)



HEUI FUEL SYSTEM KIT

- » Excellent mid-life performance improvement
- » Stand-alone repair option or combine with other kit options
- » Includes six Reman injectors, plus Reman HEUI pump, hold-down bolts, IAP sensor, seals and O-rings

*Note - long block includes factory installed HEUI pump, oil pump, and oil cooler

FIND THE KIT YOU NEED / MEDIUM-DUTY

FOLLOW THE SIMPLE STEPS LISTED BELOW TO DETERMINE WHICH OPTION IS RIGHT FOR YOUR CAT TRUCK ENGINE.

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													ADDITIONAL REMAN REPAIR OPTIONS							
Sales Model	Engine S/N	Horsepower Range	RPM	Torque (ft-lbs)	Bronze	Silver	Gold	Platinum	HEUI Fuel System Kit	Titanium	Short Block	Long Block	Reman*	Complete Engine Rating						
C7	KAL, WAX, SAP (Low HP)	190-210	All	520-605	368-0653	368-0651	20R-0634	20R-0638	20R-0641	20R-0799	10R-4139	10R-4145	10R-8776 10R-8810 10R-8774 10R-8777 10R-8778 10R-8809	190 @ 2300 190 @ 2300 210 @ 2400 210 @ 2400 210 @ 2400 210 @ 2400						
	KAL, WAX, SAP (Med HP)	230-250		540-660		368-0650	20R-0635	20R-0639	20R-0642	20R-0797	10R-4134	10R-4144	10R-8811 10R-8812 10R-8813 10R-8775*	230 @ 2300 230 @ 2300 300 @ 2200 350 @ 2400*						
	KAL, WAX, SAP (High HP)	230-350*		800-860			20R-0640	20R-0643	20R-0798											
3126B	8YL1 - UP	175-210**	2300-2400	420-520	370-7905	N/A	20R-0645**	20R-0650**	20R-0652	N/A	0R-4890	N/A	0R-4879	190 @ 2200						
		210**	2200	520-605			20R-0651**	20R-0654	0R-4859				210 @ 2300							
		230		660		20R-0649	20R-0653	0R-9964	0R-7907		0R-4855	300 @ 2200								
		275-300	800-860	20R-0648		20R-0654														
	8YL1 - 68263	250	2200	660-800		370-7907	20R-0644						20R-0649	20R-0654						
	8YL68264 - UP	250																		
3126E	CKM51 - 03721	175-210	2300-2400	420-520	370-7905	N/A	20R-0645	N/A	N/A	N/A	0R-4890	10R-7040	20R-0014	210 @ 2200						
	CKM3722 - UP	175-210	2300-2400	420-520				20R-0666	20R-0672	20R-0806										
	CKM51 - UP	210	2200	520-605				370-7907	20R-0644	20R-0664					20R-0670	20R-0801	0R-9964	N/A	20R-0015	300 @ 2200
		230-250		660-800		20R-0660	20R-0802													
		275-300		800-860		20R-0659	20R-0669			20R-0800										
	9SZ1 - UP	175-210	2300-2400	420-520		N/A	20R-0645	20R-0650	20R-0652	N/A	0R-4890	10R-7040	20R-0014	210 @ 2200						
		210	2200	520-605				20R-0651	20R-0654						0R-9964	N/A	20R-0015	300 @ 2200		
		230-250		660-800		20R-0649	20R-0653													
		275-300		800-860		20R-0648	20R-0653													
	HEP1 - 07679***	175-210	2300-2400	420-520		N/A	20R-0645	20R-0667	20R-0673	20R-0821	0R-4890	10R-7038	20R-0017	210 @ 2200						
		210	2200	520-605				N/A	20R-0671	N/A					0R-9964	10R-7039				
		230-250		660-800				20R-0661		20R-0804										
		275-300		800-860				N/A		N/A										
	HEP7580 - 14785***	175-210***	2300-2400	420-520		N/A	20R-0645	20R-0667	20R-0673	20R-0821	0R-4890	10R-7038	20R-0017	210 @ 2200						
		210***	2200	520-605				N/A	20R-0671	N/A					0R-9964	10R-7039	20R-0016*	330 @ 2400*		
		230-250***		660				20R-0661		20R-0804										
		250-300***		800-860				N/A		20R-0674									N/A	
		330*		860				N/A		20R-0674									N/A	
	HEP14586 - UP***	175-210	2300-2400	420-520		N/A	20R-0645	20R-0667	20R-0673	20R-0821	0R-4890	10R-7038	20R-0017	210 @ 2200						
		210	2200	520-605				370-7907	20R-0644	N/A					20R-0671	N/A	0R-9964	10R-7039	20R-0016*	330 @ 2400*
		230-300		660-860						20R-0661						20R-0804				
		330*		860						N/A						20R-0674				

* Note - 330 and 350 ratings are for emergency service and RV applications only and are for limited use, not for over-the-road use
** Note - If engine currently has 172-3282 piston crown, cooling jets as well as software require update (not required for HEUI system kit)
*** Note - Rerates can only be made within the engine's specific emissions family

COMPARE YOUR OPTIONS / MEDIUM-DUTY

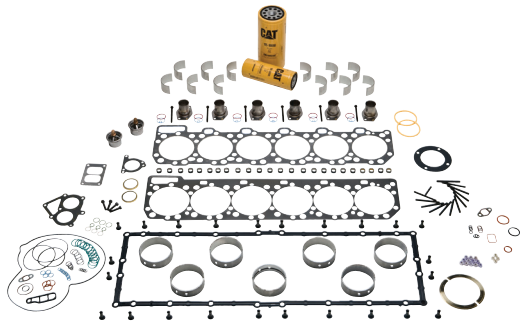
	BRONZE	SILVER	GOLD	PLATINUM	TITANIUM*	WHY CHOOSE CAT PRECIOUS METALS KITS?
Rod, main & thrust bearing set	X	X	X	X	X	Critical internal components are designed just for your Cat engine
Connecting rod bolts & nuts	X	X	X	X	X	Replacement prevents failure from stress and a catastrophic failure
Fuel injector hold down bolts	X	X	X	X	X	Replacement ensure proper clamping force and assists in prevention of fuel dilution
Cylinder head gasket set	X	X	X	X	X	Comprehensive set means no missing o-rings or gaskets
Front cover gasket	X	X	X	X	X	Replacing the seal helps prevent future leaks
Valve cover seal	X	X	X	X	X	Replacing the seal helps prevent future leaks
Oil pan gasket	X	X	X	X	X	One-piece steel/silicate design is superior to paper gaskets
Fuel injector gasket kit	X	X	X	X	X	Replacing injector seals helps prevent fuel dilution & engine damage
Exhaust manifold sleeves, high temp studs, locking nuts	X	X	X	X	X	Debris from unexpected failure could damage turbo & cylinder components
Front & rear main seal / wear sleeves	X	X	X	X	X	Replacing the seal helps prevent future leaks
Oil fill cap	X	X	X	X	X	Helps prevent oil and crankcase gas leaks
Thermostats and gaskets	X	X	X	X	X	Replacement ensures proper cooling & prevents overheating
Advanced efficiency oil & fuel filters	X	X	X	X	X	Increased filtration reduces wear & protects fuel system from contamination
Pistons crown, skirt, rings, wrist pins & clips		X	X	X	X	Replacement of these critical internal components that are designed for your Cat engine helps maximize performance and reliability
Connecting rods			X	X	X	Reusing bent or imperfect rods can lead to catastrophic failure
Complete Reman cylinder head				X	X	Reman head offers like-new performance & reliability at fraction-of-new price
Injection actuation pressure sensor				X	X	Ensures proper fuel pressure and prevents poor fuel economy
Reman HEUI pump				X	X	Ensures proper fuel pressure and prevents poor fuel economy
Reman injectors - complete set				X	X	Critical internal components are designed just for your Cat engine
Reman oil pump				X	X	Critical internal components are designed just for your Cat engine
Reman cylinder block				X	X*	Factory-reconditioned block is built to good-as-new specifications for peace of mind
Reman crankshaft					X	Magnafluxing & demagnetization ensure a quality rebuild
Reman camshaft					X	Replacement of this critical internal component that is designed for your Cat engine helps maximize performance and reliability
Reman oil cooler					X	Replacement prevents excessive oil temps to reduce wear & maximize engine life
Reman fuel transfer pump					X	Maintaining proper fuel pressure is key to maximum fuel economy & performance
Front housing and gear train					X	Factory-built & timed parts deliver the best performance & fuel economy
Valve cover base and set					X	Factory-built & timed parts deliver the best performance & fuel economy

*Titanium kit contains pre-assembled long block

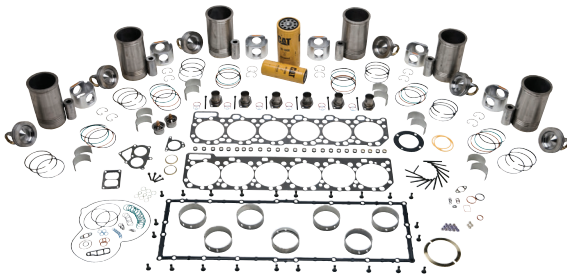
HEAVY-DUTY OVERHAUL KITS

HEAVY-DUTY PRECIOUS METALS OVERHAUL KITS GIVE YOU COST-EFFECTIVE, HIGH-QUALITY OVERHAUL OPTIONS THAT HELP YOU GET THE MOST OUT OF YOUR CAT TRUCK ENGINE. EACH KIT MEETS CATERPILLAR’S RECOMMENDED ENGINE OVERHAUL PRACTICES.

CONSIDERATIONS & AVAILABLE KITS



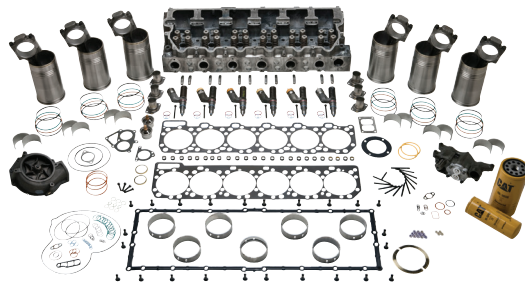
- BRONZE**
- » Low-cost repair option
 - » Includes value-add components such as Cat oil and fuel filters
 - » Includes components that you might not think of replacing such as exhaust sleeves and exhaust manifold studs
 - » No core charge



- SILVER**
- » A basic in-frame overhaul (comparable to most will-fit in-frame overhaul kits)
 - » Builds on the bronze kit
 - » No core charge



- GOLD**
- » A basic in-frame overhaul
 - » Includes the core parts from the bronze kit and the added bonus of Cat Reman cylinder pack assemblies (which are beneficial because the rods, pistons, rings and liners come preassembled, saving four to six hours of labor compared with the silver kit)



- PLATINUM**
- » Includes the components from the gold kit, plus Cat Reman cylinder head assembly, Cat Reman fuel injector, Cat Reman water pump, Cat Reman oil pump and cylinder head bolt set
 - » Optimizes performance and fuel economy
 - » Maximizes the built-in second or third life of your engine

READY TO INSTALL COMPONENTS

The Cat dealer network stocks a broad line of remanufactured parts and components, supported by the Caterpillar worldwide inventory and distribution system. With more than 2,000 authorized Cat dealers in North America, your Cat dealer will have the components you need ready to install, minimizing your downtime and maintaining productivity. Contact your local authorized Cat dealer today.

FIND THE KIT YOU NEED / HEAVY-DUTY

FOLLOW THE SIMPLE STEPS LISTED BELOW TO DETERMINE WHICH OPTION IS RIGHT FOR YOUR CAT TRUCK ENGINE.

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Sales Model	Engine S/N	Horsepower Range	Bronze	Silver	Gold	Platinum
C-12	2KS00387 - UP	335 - 455 hp	603-6649	350-5735	10R-9808	10R-9810
	MBL00001 - UP	335 - 455 hp		N/A	10R-9809	10R-9811
C13 ACERT	KCB00001-05433	380 hp	603-6650	422-9598	10R-9920	10R-9921
		430 hp				
	KCB00001-06811	335 hp				
		410 hp				10R-9922
	KCB05434 - UP	380 hp				
		430 hp				
	KCB06812 - UP	335 hp				
		410 hp				
	LEE00001-UP	305 hp	N/A	N/A	20R-1166	20R-1167
		335 hp				
		350 hp				
		370 hp				
		380 hp				
		410 hp				
3406E	5EK00001 - UP	500 - 550 hp	603-6647	348-7339	10R-9552	20R-7815
	6TS00001-25054					
	5EK67193 - UP	475 hp*				
	6TS00001-25054					
	5EK00001-67192	475 hp*		348-7346	10R-9554	20R-7816
	5EK53004 - UP	435 - 455 hp*		348-7339	10R-9552	20R-7817
	6TS00001-25054			348-7346	10R-9554	20R-7816
	5EK00001-53003	455 hp*				20R-7818
	5EK01185-53003	435 hp*				N/A
	5EK00001 - UP	355 - 410 hp	603-6648	345-5917	10R-9553	20R-7819
	6TS00001-25054	310 - 330 hp				20R-7820
	6TS25055 - UP	475 - 550 hp				N/A
		435 - 455 hp*				N/A
C-15	2WS00406 - UP	435 - 550 hp	603-6646	346-3791 ^	10R-9346 ^	20R-7821
	1LW00230 - UP	435 - 550 hp				
	6NZ00001 - UP	435 - 550 hp	603-6644	610-0753	10R-9343	20R-7822
C15 ACERT	9NZ00001 - UP	435 - 550 hp		610-0751	10R-9345	20R-7823
	MBN00001 - UP	435 - 525 hp	606-0909	356-1428 ^	10R-9923 ^	20R-7411 ^
	BXS00001 - UP	435 - 550 hp				
	MXS00001 - UP	435 - 550 hp				
	NXS00001 - UP	435 - 550 hp			20R-0744 ^^	20R-7413 ^^
	MXS00001 - UP	600 - 625 hp				
	NXS00001 - UP	600 - 625 hp		356-1448 ^	10R-9924 ^	20R-7412
	SDP00001-UP	435 hp	442-7439	442-8972	20R-3076	20R-7414
		475 hp				
		500 hp				
		550 hp				
C-16	SDP00001 - UP	600 hp	442-7439	N/A	N/A	N/A
	7CZ00001 - UP	575 - 600 hp	603-6644	N/A	10R-9344	20R-7824

* Difference in pistons; confirm piston part number compatibility with dealer when ordering the silver, gold or platinum kits.

^ Kit ships with cylinder packs for normal load applications. High load applications (GVWR greater than 140,000 lbs.) should utilize high load kit or replace top ring with 247-6130. Refer to SEBD6832 for top ring reference.

^^ High load application kit (GVWR greater than 140,000 lbs.).

COMPARE YOUR OPTIONS / HEAVY-DUTY

	BRONZE	SILVER	GOLD	PLATINUM	WHY CHOOSE CAT PRECIOUS METALS KITS?
Rod & main bearing set	X	X	X	X	Critical internal components are designed just for your Cat engine
Head gasket set	X	X	X	X	Comprehensive set means no missing o-rings or gaskets
Front cover gasket	X	X	X	X	Replacing the seal, which can be damaged during removal, helps prevent leaks
Oil pan gasket	X	X	X	X	One-piece steel/silicate design is superior to paper gaskets
Kit gasket (single fuel injector)	X	X	X	X	Replacing injector seals helps prevent fuel dilution & engine damage
Exhaust manifold sleeves, high-temp studs & locking nuts	X	X	X	X	Debris from unexpected failure could damage turbo & cylinder components
Oil pan isolator assemblies	X	X	X	X	Replacement ensures compliance with emission & noise standards
Thermostats	X	X	X	X	Replacement ensures proper cooling & prevents overheating
Advanced efficiency oil & fuel filters	X	X	X	X	Increased filtration reduces wear & protects fuel system from contamination
Liners, piston body skirts, rings, wrist pins & liner seals		X	X*	X*	Critical internal components are designed just for your Cat engine
Piston crowns		X	X*	X*	Replacement helps maximize performance & reliability
Connecting rods			X*	X*	Reusing bent or imperfect rods can lead to catastrophic failure
Complete Reman cylinder head & cylinder head bolt set				X	Reman head offers like-new performance & reliability at fraction-of-new price; new head bolts ensure proper torque at critical joints
Reman water pump				X	Reman pump offers like-new performance & reliability at fraction-of-new price
Reman injectors: complete set				X	Critical internal components are designed just for your Cat engine
Reman oil pump				X	Critical internal components are designed just for your Cat engine

* Part of preassembled Cat Reman cylinder pack

GUARANTEED TO LAST

Genuine Cat new and Reman parts are backed by our **12-MONTH WARRANTY**, so you can feel confident selecting a repair option through your local authorized Cat dealer.

Additionally, if one of the genuine Cat new or Reman parts used in your repair is proven to be defective and the cause of any resultant damage, not only would the Cat new or Reman part be replaced, but any resultant damage to other Cat parts would also be covered.

