

— CAT® PRECIOUS METALS
OVERHAUL KITS



OVERHAUL FOR BETTER PERFORMANCE

Keep your Cat® on-highway truck engine running 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

Cat precious metals kits come with a 12-month Caterpillar Limited Warranty¹. Our warranty covers parts, labor and resultant damage and has no mile limitations. In addition to the one-year warranty, Extended Service Coverage (ESC) for these kits is also available for up to four years, with no mile or hour limitations.

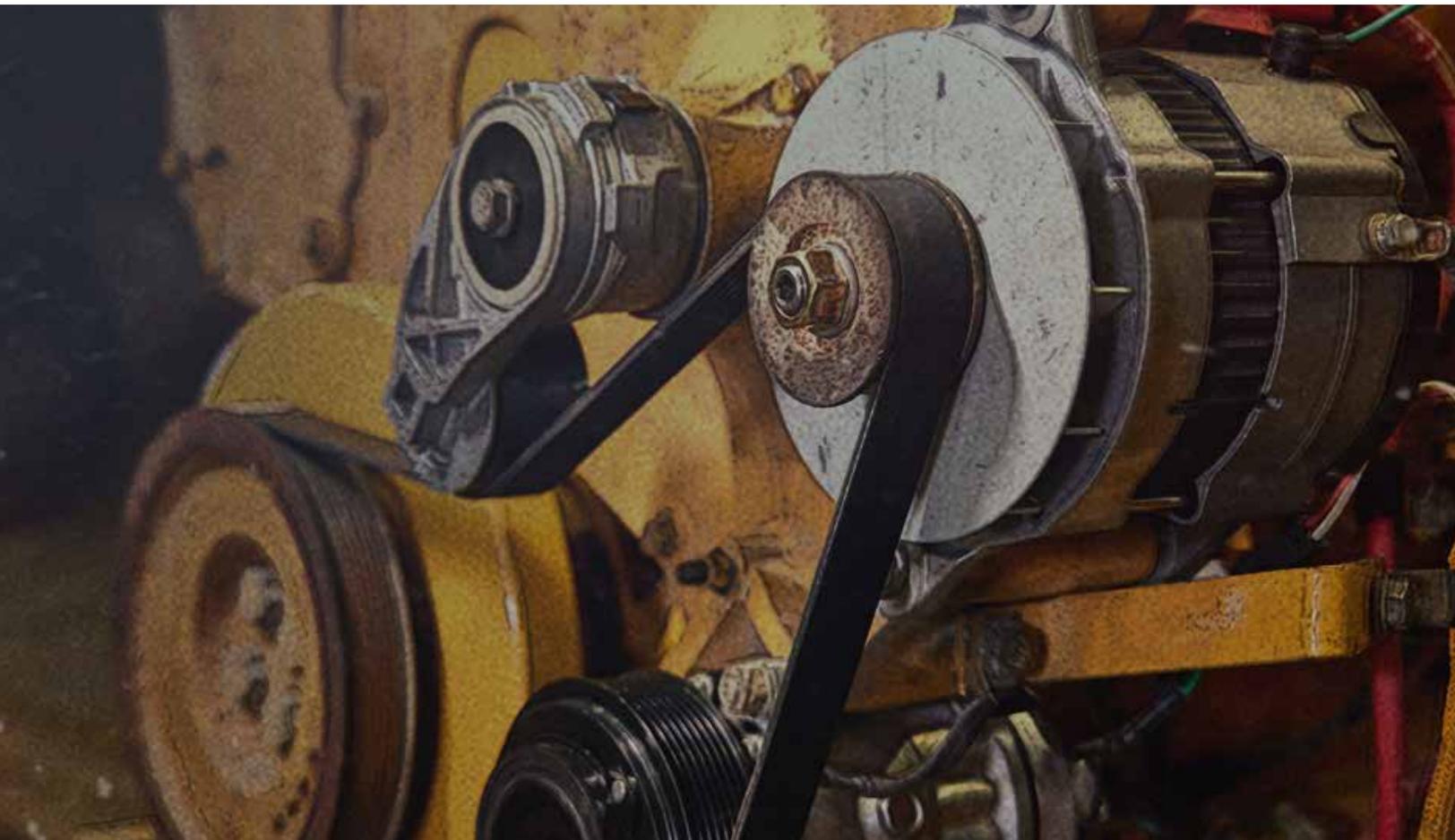
KITS ARE AVAILABLE ON
PARTS.CAT.COM
FOR FAST ONLINE ORDERING

¹Warranty can vary by model and application; limitations may apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

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.

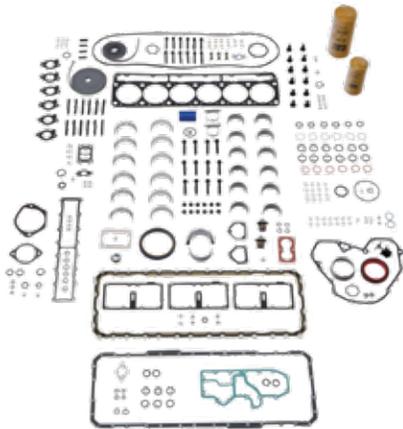
OPTION	REPAIR INDICATORS	KIT OVERVIEW
BRONZE KIT	Any external oil, coolant or fuel leaks	<ul style="list-style-type: none"> – Pair with pistons, rings and/or liners for a basic engine reseat – Includes new components — no core charge
SILVER KIT	Decrease in power, increase in oil consumption or excessive exhaust smoke	<ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> – Select this mid-range rebuild if you cannot reuse connecting rods – Contains factory-assembled Cat Reman cylinder packs with connecting rods – Commonly pairs with Cat Reman cylinder head
PLATINUM KIT	Decrease in MPG or power or increase in oil consumption with excessive exhaust smoke	<ul style="list-style-type: none"> – Select this premium overhaul to reset your engine to like new specifications – Contains Cat 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	<ul style="list-style-type: none"> – 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 and fuel filters, exhaust sleeves, studs and thermostats



SILVER

- » Basic in-frame overhaul
- » 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 Cat 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, Cat Reman HEUI pump, six Cat Reman injectors, Cat Reman oil pump, Cat Reman cylinder head and IAP sensor



TITANIUM

- » Complete out-of-frame overhaul
- » Includes all parts from bronze kit, plus a preassembled Cat Reman long block which includes factory installed HEUI pump, oil pump, and oil cooler, saving you labor on piece part assembly. This kit also comes with six Cat Reman injectors and an IAP sensor



HEUI FUEL SYSTEM KIT

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

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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Sales Model	Engine S/N	Horsepower Range	RPM	Torque (ft-lbs)	Bronze	Silver	Gold	Platinum			
C7	KAL, WAX, SAP (Low HP)	190-210	All	520-605	368-0653	368-0651	20R-0634	20R-0638			
	KAL, WAX, SAP (Med HP)	230-250		540-660		368-0650	20R-0635	20R-0639			
	KAL, WAX, SAP (High HP)	230-350*		800-860				20R-0640			
3126B	8YL1 - UP	175-210**	2300-2400	420-520	370-7905	N/A	20R-0645**	20R-0650**			
		210**	2200	520-605				370-7907	20R-0644	20R-0651**	
		230		660		20R-0649					
		275-300	800-860	20R-0648							
	8YL1 - 68263	250	2200	660-800		370-7907	20R-0644	20R-0649			
	8YL68264 - UP	250				20R-0649					
3126E	CKM51 - 03721	175-210	2300-2400	420-520	370-7905	N/A	20R-0645	N/A			
		CKM3722 - UP	175-210	2300-2400				420-520	20R-0666		
	CKM51 - UP	210	2200	520-605		370-7907	20R-0644	20R-0664			
		230-250		660-800				20R-0660			
		275-300		800-860				20R-0659			
	9SZ1 - UP	175-210	2300-2400	420-520		370-7907	20R-0644	20R-0650			
		210	2200	520-605				20R-0651			
		230-250		660-800				20R-0649			
	HEP1 - 07679***	275-300	2200	800-860		370-7907	20R-0644	20R-0648			
		175-210		2300-2400				420-520	N/A	20R-0645	20R-0667
		210		2200				520-605			N/A
		230-250						660-800	20R-0661		
	HEP7580 - 14785***	275-300	2200	800-860		370-7907	20R-0644	N/A			
		175-210***		2300-2400				420-520	N/A	20R-0645	20R-0667
		210***		2200				520-605			N/A
		230-250***						660	20R-0661		
		250-300***						800-860	N/A		
	HEP14586 - UP***	330*	2200	860		370-7907	20R-0644	20R-0661			
		175-210		2300-2400				420-520	N/A	20R-0645	20R-0667
		210		2200				520-605			N/A
230-300		660-860			20R-0661						
330*	860	N/A									



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ADDITIONAL CAT REMAN REPAIR OPTIONS

HEUI Fuel System Kit	Titanium	Short Block	Long Block	Cat Reman*	Complete Engine Rating		
<u>20R-0641</u>	<u>20R-0799</u>	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		
<u>20R-0642</u>	<u>20R-0797</u>	10R-4134	10R-4144	10R-8811 10R-8812	230 @ 2300 230 @ 2300		
<u>20R-0643</u>	<u>20R-0798</u>			10R-8813 10R-8775*	300 @ 2200 350 @ 2400*		
<u>20R-0652</u>	N/A	0R-4890	N/A	0R-4879 0R-4859	190 @ 2200 210 @ 2300		
<u>20R-0654</u>				0R-9964	0R-7907	0R-4855	300 @ 2200
<u>20R-0653</u>		0R-4890	10R-7040			20R-0014	210 @ 2200
<u>20R-0654</u>						0R-9964	N/A
N/A		N/A	10R-7040	20R-0014	210 @ 2200		
<u>20R-0672</u>	<u>20R-0806</u>			0R-4890	10R-7040	20R-0014	210 @ 2200
<u>20R-0670</u>	<u>20R-0801</u>	0R-9964	N/A	20R-0015	300 @ 2200		
<u>20R-0669</u>	<u>20R-0802</u>						
<u>20R-0652</u>	<u>20R-0800</u>	0R-4890	10R-7040	20R-0014	210 @ 2200		
<u>20R-0654</u>	N/A	0R-4890	10R-7040	20R-0014	210 @ 2200		
<u>20R-0653</u>		0R-9964	N/A	20R-0015	300 @ 2200		
<u>20R-0673</u>	<u>20R-0821</u>	0R-4890	10R-7038	20R-0015	300 @ 2200		
<u>20R-0671</u>	N/A	0R-4890	10R-7038	20R-0017	210 @ 2200		
<u>20R-0671</u>	<u>20R-0804</u>	0R-9964	10R-7039	20R-0017	210 @ 2200		
N/A	N/A						
<u>20R-0673</u>	<u>20R-0821</u>	0R-4890	10R-7038	20R-0017	210 @ 2200		
<u>20R-0671</u>	N/A	0R-9964	10R-7039	20R-0016*	330 @ 2400*		
<u>20R-0674</u>	<u>20R-0804</u>						
<u>20R-0674</u>	N/A	0R-4890	10R-7038	20R-0016*	330 @ 2400*		
<u>20R-0673</u>	<u>20R-0821</u>	0R-4890	10R-7038	20R-0017	210 @ 2200		
<u>20R-0671</u>	N/A						
<u>20R-0671</u>	<u>20R-0804</u>	0R-9964	10R-7039	20R-0016*	330 @ 2400*		
<u>20R-0674</u>	N/A						
<u>20R-0673</u>	<u>20R-0821</u>	0R-4890	10R-7038	20R-0017	210 @ 2200		
<u>20R-0671</u>	N/A	0R-9964	10R-7039	20R-0016*	330 @ 2400*		
<u>20R-0674</u>	<u>20R-0804</u>						
<u>20R-0674</u>	N/A	0R-4890	10R-7038	20R-0017	210 @ 2200		
<u>20R-0671</u>	<u>20R-0804</u>	0R-9964	10R-7039	20R-0016*	330 @ 2400*		
<u>20R-0674</u>	N/A						

* 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

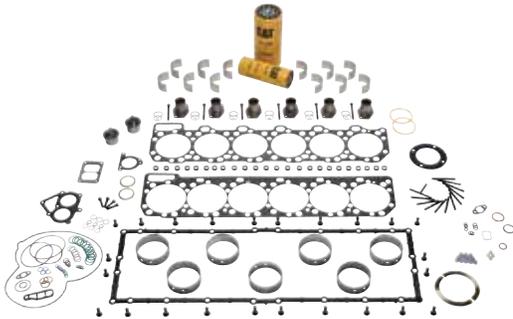
	BRONZE	SILVER	GOLD	PLATINUM	TITANIUM*	WHY CHOOSE CAT PRECIOUS METALS KITS?
Rod, main & thrust bearing set	X	X	X	X	X	Critical internal components are designed for your Cat engine
Connecting rod bolts & nuts	X	X	X	X	X	Replacement prevents failure from stress and a catastrophic failure
Fuel injector hold down bolts	X	X	X	X	X	Replacement for proper clamping force and to assist 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 better than 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 enables 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 improve performance and reliability
Connecting rods			X	X	X	Reusing bent or imperfect rods can lead to catastrophic failure
Complete Cat Reman cylinder head				X	X	Cat Reman head offers like-new performance & reliability at fraction-of-new price
Injection actuation pressure sensor				X	X	Enables proper fuel pressure and prevents poor fuel economy
Cat Reman HEUI pump				X	X	Enables proper fuel pressure and prevents poor fuel economy
Cat Reman injectors - complete set				X	X	Critical internal components are designed for your Cat engine
Cat Reman oil pump				X	X	Critical internal components are designed for your Cat engine
Cat Reman cylinder block				X	X*	Factory-remanufactured block is built to like new specifications for peace of mind
Cat Reman crankshaft					X	Magnafluxing & demagnetization for a quality rebuild
Cat Reman camshaft					X	Replacement of this critical internal component that is designed for your Cat engine helps improve performance and reliability
Cat Reman oil cooler					X	Replacement prevents excessive oil temps to reduce wear & increases engine life
Cat Reman fuel transfer pump					X	Maintaining proper fuel pressure is key to improved fuel economy & performance
Front housing and gear train					X	Factory-built & timed parts deliver performance & fuel economy
Valve cover base and set					X	Factory-built & timed parts deliver 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
- » 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

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	<u>350-5735</u>	<u>10R-9808</u>	<u>10R-9810</u>			
	MBL00001 - UP	335 - 455 hp		N/A	<u>10R-9809</u>	<u>10R-9811</u>			
C13 ACERT	KCB00001-05433	380 hp	603-6650	422-9598	10R-9920	<u>10R-9921</u>			
		430 hp							
	KCB00001-06811	335 hp							
		410 hp							
	KCB05434 - UP	380 hp							
		430 hp							
	KCB06812 - UP	335 hp	N/A	N/A	20R-1166	<u>10R-9922</u>			
		410 hp							
	LEE00001-UP	305 hp							
		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	475 hp*							
	5EK00001-67192	475 hp*							
	5EK53004 - UP	435 - 455 hp*							
	6TS00001-25054								
	5EK00001-53003	455 hp*							
	5EK01185-53003	435 hp*							
	5EK00001 - UP	355 - 410 hp							
6TS00001-25054	310 - 330 hp								
6TS25055 - UP	475 - 550 hp	603-6648	345-5917	10R-9553	20R-7819				
	435 - 455 hp*		N/A	N/A	20R-7820				
	310 - 410 hp				N/A				
2WS00406 - UP	435 - 550 hp	603-6646	346-3791 ^	10R-9346 ^	20R-7821				
	1LW00230 - UP		435 - 550 hp						
C-15	6NZ00001 - UP	435 - 550 hp	603-6644	610-0753	10R-9343	20R-7822			
	9NZ00001 - UP			610-0751	10R-9345	20R-7823			
C15 ACERT	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							
	MXS00001 - UP	600 - 625 hp							
	NXS00001 - UP	600 - 625 hp							
	SDP00001-UP	435 hp		442-7439	442-8972	20R-3076	20R-7414		
475 hp									
500 hp									
550 hp									
SDP00001 - UP	600 hp	442-7439	N/A	N/A	N/A				
C-16	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 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 better than 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 for your Cat engine
Piston crowns		X	X*	X*	Replacement helps improve performance & reliability
Connecting rods			X*	X*	Reusing bent or imperfect rods can lead to catastrophic failure
Complete Cat Reman cylinder head & cylinder head bolt set				X	Cat Reman head offers like new performance & reliability at fraction-of- new price; new head bolts ensure proper torque at critical joints
Cat Reman water pump				X	Cat Reman pump offers like new performance & reliability at fraction-of-new price
Cat Reman injectors: complete set				X	Critical internal components are designed for your Cat engine
Cat Reman oil pump				X	Critical internal components are designed for your Cat engine

* Part of preassembled Cat Reman cylinder pack



CATERPILLAR WARRANTIED PRODUCT

Genuine Cat new and Cat Reman parts are backed by our **12-MONTH CATERPILLAR LIMITED WARRANTY¹**, so you can feel confident selecting a repair option through your local authorized Cat dealer.

And for even more peace of mind when your repair is completed by an authorized Cat dealer, consider this: If one of the genuine Cat new or Cat 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 Cat Reman part be replaced, but any resultant damage¹ to other Cat parts would also be covered.

CATERPILLAR EXTENDED SERVICE COVERAGE (ESC)

Cat precious metals kits have available Extended Service Coverage (ESC) options no matter if installed by an authorized Cat dealer or the do-it-yourself installer. ESC Terms for precious metals kit parts last up to 4 years from the purchase date. Should a kit part fail due to a defect in material or factory workmanship your authorized Cat dealer will replace it.

YOUR DEALER IS STANDING BY

The Cat dealer network stocks a broad line of new and Cat Reman parts and components, supported by the Caterpillar worldwide inventory and distribution system. With over 30 authorized Cat dealers in North America who manage a combined network of 2,000+ sales and service locations, most components are available and ready to install, reducing your downtime and maintaining productivity. Contact your local authorized Cat dealer today.

¹ Warranty can vary by model and application; limitations may apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

