

# » CAT® ON-HIGHWAY TRUCK ENGINE REPAIR KITS

COST-EFFECTIVE SOLUTIONS  
FOR ROUTINE MAINTENANCE



## INTRODUCING FOUR AFFORDABLE WAYS TO FIX YOUR RIG

Keep your truck rolling! Cover essential and often overlooked elements of truck maintenance with these convenient repair options.

Paired with our simple parts look-up services, straightforward pricing and streamlined packaging and assembly, Caterpillar has kits for your on-highway truck engine.

**1**  
EXHAUST MANIFOLD  
INSTALL KIT

**2**  
INJECTOR  
CUP KIT

**3**  
EXHAUST  
BELLOWS KIT

**4**  
SPACER PLATE  
& SHIM KIT





# EXHAUST MANIFOLD INSTALL KIT

## » MAINTAIN YOUR EXHAUST MANIFOLD

Each engine shows its age eventually, but don't let a leaking exhaust manifold cost you downtime and more fuel. Leaking exhaust manifolds can cause engines to work harder, reduce fuel mileage and leak fumes — posing potential risks to you inside the cab. Plus, they can cost you extra money during an inspection and even put you out of service.

Repair your engine exhaust system with the Cat exhaust manifold install kit, featuring new gaskets, nuts, studs, washers and exhaust manifold sleeves. By ensuring your manifold is correctly sealed, you can keep going the distance with your Cat truck engine.

## » EXHAUST MANIFOLD INSTALL KIT IS RECOMMENDED WHEN COMPLETING:

- Manifold reseals
- Turbo replacements
- Exhaust bellows repairs\*

\*For maximum efficiency on ACERT™ engine models, purchase alongside a Cat exhaust bellows kit.



# MORE VALUE, NO MATTER WHICH REPAIR OPTION YOU CHOOSE

EXHAUST MANIFOLD INSTALL KIT					
PART NUMBER	SALES MODEL	ENGINE S/N	KIT CONTENTS		
			PN	DESCRIPTION	QTY
607-1470	C11	KCA	283-2238	Gasket	6
			116-3715	Taperlock stud	12
	C13	130 JAM KCB LEE	245-9750	Taperlock stud	4
			224-5422	Taperlock stud	1
			375-2467	Flanged locknut	16
			6V-5839	Hard washer	12
607-1463	3406E	1LW 1MM 4AS 5DS RWS 2WS 5EK 6TS	281-8261	Exhaust sleeve assembly	6
			106-1792	Taperlock stud	11
			106-1793	Taperlock stud	1
			2N-2765	Flange head bolt	4
			165-3929	Hex head bolt	4
			391-2167	Flanged locknut	16
			9S-8752	Hex nut	4
			5M-2894	Hard washer	12
	C-15	6NZ 9NZ MBN C2A			
C-16	7CZ W1A				
607-1469	C15	SDP MXS NXS KRA BXS TRB JEP 137	281-8261	Exhaust sleeve assembly	6
			379-8578	Shield assembly	2
			106-1792	Taperlock stud	11
			313-9550	Taperlock stud	4
			9L-1658	Taperlock stud	1
			380-5855	Seal assembly	2
			391-2167	Flanged locknut	16

# 2 INJECTOR CUP KIT

## » INVEST IN YOUR INJECTOR CUPS

Fuel and coolant don't mix — unless an engine issue brings them together, like a leak caused by a failing injector cup. So, keep fuel out of your cooling system and vice versa with the Cat injector cup kit. Complete with new filters, gaskets, O-ring seals and injector sleeves, this kit protects your cooling system and supports your engine so your truck can go the distance.

Also, consider purchasing with a precious metals kit. By performing an overhaul utilizing both kits, you'll maximize your engine's performance.

## » INJECTOR CUP KIT IS RECOMMENDED WHENEVER YOU:

- Replace injectors
- Discover fuel in coolant
- Experience a leak with any cup

**Remember:** When reusing the cylinder head or when you find one injector cup leaking, it's a good idea to replace all the cups to avoid further repairs and downtime.





**PAY ATTENTION TO MAINTENANCE NOW SO YOU DON'T PAY MORE LATER.**

INJECTOR CUP KIT					
PART NUMBER	SALES MODEL	ENGINE S/N	KIT CONTENTS		
			PN	DESCRIPTION	QTY
607-1473	C11	KCA			
	C13	130			
		JAM			
		KCB			
		LEE			
	3406E	1LW			
		1MM			
		4AS			
		5DS			
		RWS			
2WS					
C-15	5EK		248-1394	Single fuel injector gasket kit	6
	6TS		263-4920	Injector sleeve	6
	6NZ		9X-7430	O-ring seal	6
			166-2904	O-ring seal	12
	9NZ		1R-0749	Fuel filter assembly	1
	MBN		1R-1808	Lube filter	1
	C2A		256-8753	Fuel water separator filter assembly	1
C15	SDP				
	MXS				
	NXS				
	KRA				
	BXS				
	TRB				
	JEP				
137					
C-16	7CZ				
	W1A				

# 3 EXHAUST BELLOWS KIT

## » ENHANCE YOUR EXHAUST BELLOWS

One defective exhaust bellows can throw your engine out of order, impacting performance and putting a damper on your drive. Repair these connections with the Cat exhaust bellows kit, featuring a new bellows, expansion joints and V-band clamps.

If you're replacing one bellows, go ahead and replace the other to avoid additional issues. After all, each set of bellows are only recommended for one life. To get the most out of your equipment, purchase the exhaust bellows kit along with an exhaust manifold install kit and a precious metals kit.

EXHAUST BELLOWS KIT					
PART NUMBER	SALES MODEL	ENGINE S/N	KIT CONTENTS		
			PN	DESCRIPTION	QTY
607-1479	C11	KCA	223-5664	Bellows	1
			233-8004	Bellows	1
	C13	130 JAM KCB	243-2531	Bellows	1
			239-6807	V-band clamp	2
			241-2634	V-band clamp	5
			283-2381	V-band clamp	1
607-1478	C15	MXS	223-5665	Bellows	1
		NXS	227-6721	Bellows	1
		KRA	233-8005	Bellows	1
		BXS	239-6807	V-band clamp	4
		TRB	239-6808	V-band clamp	2
		JEP	241-5885	V-band clamp	1
		137	233-8014	Seal	1
			233-8015	Backup ring	1

## » EXHAUST BELLOWS KIT IS RECOMMENDED FOR ACERT™ ENGINES WHEN COMPLETING:

- Bellows replacements
- Manifold repairs
- Turbo replacements





# SPACER PLATE & SHIM KIT

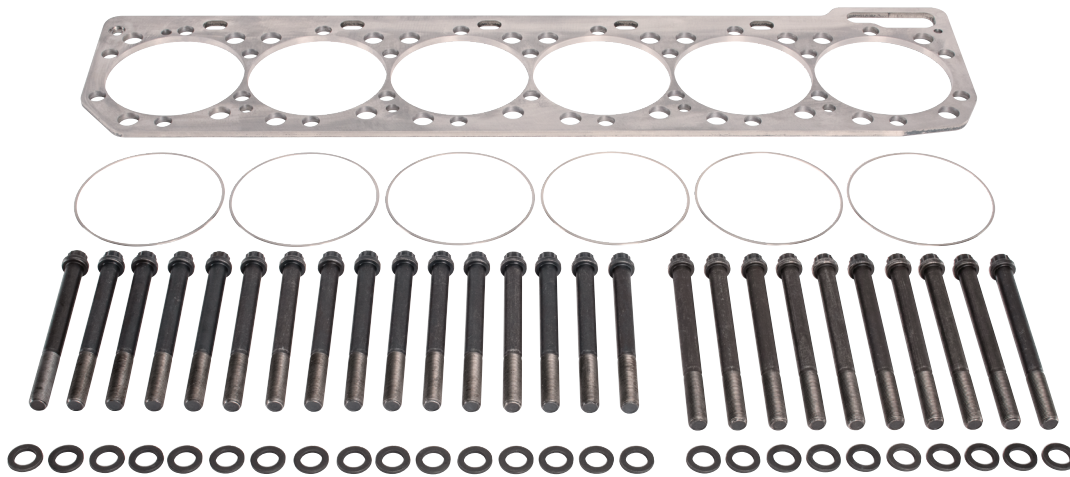
## » STRENGTHEN YOUR SPACER PLATE

When removing the cylinder head, you might find that your spacer plate is pitted or not flat. You may also discover the liner protrusion of your cylinder liners no longer meets specification. The spacer plate and shim kit is the convenient choice to resolve these issues, especially once you cut your block's counterbores. This kit includes a spacer plate, head bolts, washers and .032" cylinder liner seat inserts, the most popular size available.

Keep in mind that this kit can be part of a larger maintenance plan, building on the high mileage overhaul as well as the bronze, silver and gold precious metals kits.

## » SPACER PLATE AND SHIM KIT IS RECOMMENDED WHEN:

- Completing a cylinder head replacement
- The head is pulled and counter bores need to be cut
- The engine surpasses 750,000 miles — as this is generally when spacer plate issues start to occur



SPACER PLATE & SHIM KIT						
PART NUMBER	SALES MODEL	ENGINE S/N	KIT CONTENTS			
			PN	DESCRIPTION	QTY	
607-1472	3406E	1LW	6I-4421	Spacer plate	1	
		1MM				
		4AS				
		5DS				
		RWS				
		2WS				
	C-15	5EK	9Y-3368	Seat insert	6	
		6TS	124-1854	12-point HD bolt	10	
		C15	6NZ	124-1855	12-point HD bolt	16
			9NZ	5H-1504	Hard washer	26
			MBN			
		C15	C2A	SDP		
	MXS					
	NXS					
	KRA					

# ORDINARY PROBLEMS, EXTRAORDINARY SOLUTIONS

WITH THESE FOUR AFFORDABLE AND EASY-TO-INSTALL KITS, NO BUMP IN THE ROAD WILL PUT YOU OUT OF COMMISSION

Sales Model	Engine S/N	Exhaust Manifold Install Kit	Injector Cup Kit	Exhaust Bellows Kit	Spacer Plate & Shim Kit
<b>C11</b>	KCA	607-1470	607-1473	607-1479	—
<b>C13</b>	130	607-1470	607-1473	607-1479	—
	JAM			—	
	KCB				
	LEE				
<b>3406E</b>	1LW	607-1463	607-1473	—	607-1472
	1MM				
	4AS				
	5DS				
	RWS				
	2WS				
	5EK				
6TS					
<b>C-15</b>	6NZ	607-1463	607-1473	—	607-1472
	9NZ				
	MBN				
	C2A				
<b>C15</b>	SDP	607-1469	607-1473	—	607-1472
	MXS			607-1478	
	NXS				
	KRA				
	BXS				
	TRB				—
	JEP			—	
137	—				
<b>C-16</b>	7CZ	607-1463	607-1473	—	—
	W1A			—	

## » THE FUTURE IS IN YOUR HANDS — DON'T TAKE YOUR TRUCK FOR GRANTED

Whether you're looking to complete a minor repair or a full overhaul, Cat Reman engines and genuine Cat parts provide same-as-new quality at competitive prices. Convenient service options, like Cat on-highway truck engine repair kits, can be found at your local authorized Cat dealer. Supported by our worldwide inventory and distribution system, Caterpillar has what you need.

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