

A man wearing a dark jacket, a black beanie, and work gloves is leaning over the deck of a ship. He is focused on handling a thick, dark rope that is part of a large mechanical system, likely an engine overhaul. The deck is light-colored and shows some wear. In the background, the ship's railing and a clear sky are visible. The overall scene is industrial and emphasizes manual labor and precision.

**YOUR ENGINE OVERHAUL.
YOUR CUSTOM SOLUTION.**

MARINE BUNDLED REPAIR SOLUTION
3412C, 3412D, 3412E Engine Overhaul





BEFORE



TORN DOWN



AFTER

BUILDING LIFE BACK INTO THE OCEARCH ENGINE

The engines powering the OCEARCH vessel earned 16,000 hours as a Bering Sea crab boat, before being purchased for shark research.

The crew worked with the Cat Dealer Network to overhaul the vessel's engines with genuine Cat parts. The rebuild, complete in 2012, lowered their emission levels and reduced fuel consumption by 20 percent. "This made a huge impact from a cost perspective and for our ability to operate globally," said Chris Fischer, OCEARCH founding chairman.

Overhauling with Cat products was important to the crew. Crossing the Atlantic twice in six months, they needed to trust their engines. "Once we departed, the next time we would see land would be 30 days later in South Africa," Captain Jody Whitworth said.



WE HAVE ENGINEERED IT FOR PERFORMANCE. YOU CUSTOMIZE IT FOR YOUR WORK.

Keep your vessel on the water longer — overhaul it with our new Cat® Marine Bundled Repair Solution. We have made it **easy to order**. Decide what makes sense for your engine or work with your Cat dealer to find the best option.

From Foundational to Optimal package levels, we are offering **flexible repair options** for a top end or major overhaul. Your Bundled Repair is **available when you need it**, parts come **pre-packed and segmented** for convenience. Cat parts are manufactured to precise specifications, engineered for reliable, **high-quality overhauls**.

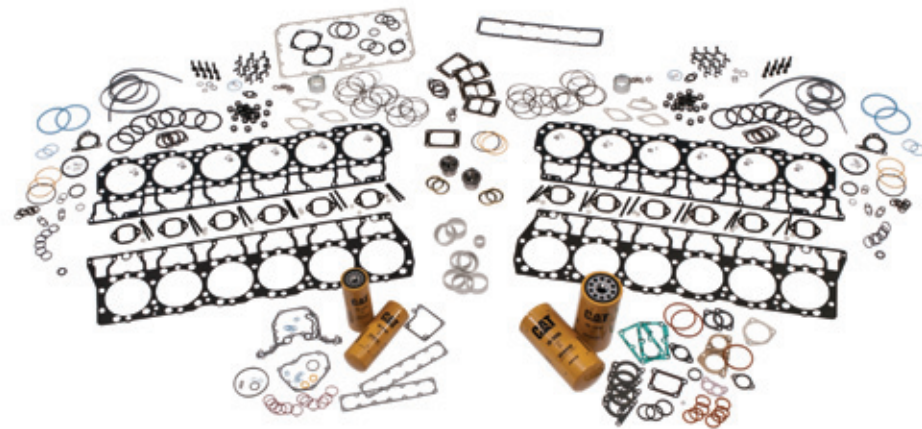
You asked for **improved pricing** and a longer warranty — we listened. Delivered at a value price, your Bundled Repair Solution is backed by our standard, **one-year parts warranty**. Coverage is based on repair levels and applies even if you do the work. Due to variations based on region, see your local Cat dealer for Financing options and Customized Promotions available to you.

3412 TOP END OVERHAUL

FOUNDATIONAL

Extend the life of your engine — replace components that get the most wear with a basic overhaul package.

3412 TOP END OVERHAUL – FOUNDATIONAL	
Top End Overhaul Foundational Kit	X
After Cooler and Lines Kit (ACL)	Includes: Gasket and Seals Kits PLUS other 100 percent Replacement Parts (Fuel Filter, Oil Filter, Regulator and more!)*
Expansion Tank Kit (EXP)	
Single Cylinder Head Kit (SCH)	
Fuel System Kit (F)	
Heat Exchanger Kit (EXC)	
Oil Cooler & Lines Kit (OCL)	
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	



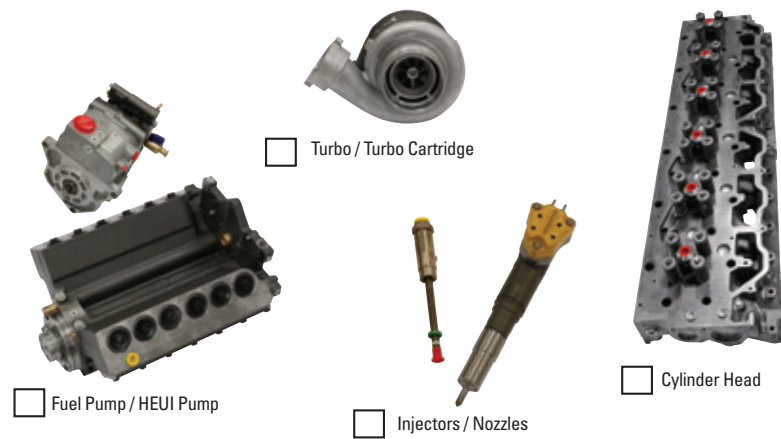
Features and benefits

- Bundled pricing to fit your budget
- Engineered for reliable, high-quality overhauls
- Fast, single shipment delivery
- Parts packaged for an efficient overhaul process
- Incorporates all the latest engineering changes

ADVANCED

Keep the **features and benefits** from our foundational package and add parts specific to your engine needs — customize your rebuild.

3412 TOP END OVERHAUL – ADVANCED	
Top End Overhaul Foundational Kit	X
Cylinder Head	Choose Overhaul Foundational Kit PLUS one or more additional primary components from this list*
Fuel Pump / HEUI Pump	
Injectors / Nozzles	
Turbo / Turbo Cartridge	
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	

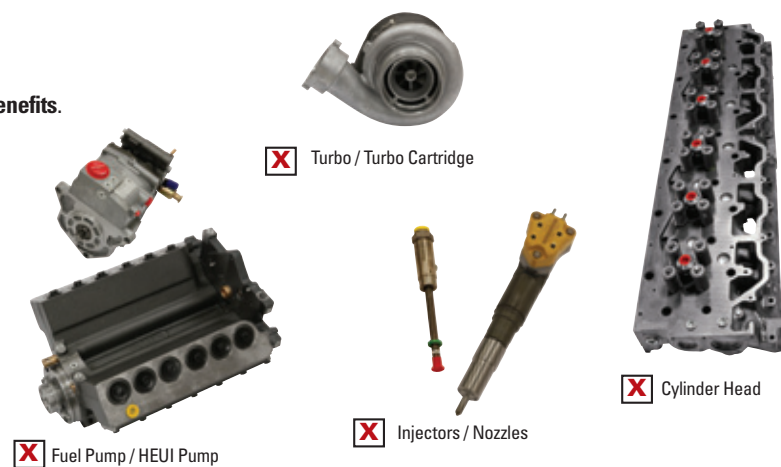


Choose **ONE OR MORE** components **X**

OPTIMAL

Bring your engine to original factory specifications and performance — our highest overhaul package, built on all our foundational **features and benefits**.

3412 TOP END OVERHAUL – OPTIMAL	
Top End Overhaul Foundational Kit	X
Cylinder Head	Choose Overhaul Foundational Kit and ALL primary components from this list*
Fuel Pump / HEUI Pump	
Injectors / Nozzles	
Turbo / Turbo Cartridge	
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	



Choose **ALL** components **X**

3412 MAJOR OVERHAUL

FOUNDATIONAL

Extend the life of your engine — replace components that get the most wear, with a basic overhaul package.

3412 MAJOR OVERHAUL – FOUNDATIONAL	
Major Overhaul Foundational Kit	X
After Cooler & Lines Kit (ACL)	Includes: Gasket and Seals Kits PLUS other 100 percent Replacement Parts (Fuel Filter, Oil Filter, Regulator and more!)*
Expansion Tank Kit (EXP)	
Single Cylinder Head Kit (SCH)	
Fuel System Kit (F)	
Heat Exchanger Kit (EXC)	
Oil Cooler & Lines Kit (OCL)	
Front Structure Kit (FS)	
Rear Structure Kit (RS)	
Central & Lower Structure Kit (CL)	
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	



Features and benefits

- Bundled pricing to fit your budget
- Engineered for reliable, high-quality overhauls
- Fast, single shipment delivery
- Parts packaged for an efficient overhaul process
- Incorporates all the latest engineering changes

ADVANCED

Keep the **features and benefits** from our foundational package and add parts specific to your engine needs — customize your rebuild.

3412 MAJOR OVERHAUL – ADVANCED	
Major Overhaul Foundational Kit	X
Cylinder Head	Choose Overhaul Foundational Kit PLUS one or more additional primary components from this list*
Cylinder Packs	
Fuel Pump / HEUI Pump	
Injectors / Nozzles	
Oil Cooler	
Oil Pump	
Turbo / Turbo Cartridge	
Water Pump	
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	



Choose **ONE OR MORE** components **X**

OPTIMAL

Bring your engine to original factory specifications and performance — our highest overhaul package, built on all our foundational **features and benefits**.

3412 MAJOR OVERHAUL – OPTIMAL	
Major Overhaul Foundational Kit	X
Cylinder Head	X
Cylinder Packs	X
Fuel Pump / HEUI Pump	X
Injectors / Nozzles	X
Oil Cooler	X
Oil Pump	X
Turbo / Turbo Cartridge	X
Water Pump	X
Ask your dealer for Customized Promotions based on Selected Repair/ Overhaul Level	



Choose **ALL** components **X**

* Contents might vary based on engine configuration.

EXTENDED SERVICE COVERAGE
(ESC)
 LIMITED TIME OFFER ENDS 31-DEC-2014

**24 MONTHS/
 6,000 HOURS
 OF FREE ESC**

**Contact
 your Cat
 dealer
 for details**

CHOOSE YOUR 3412 MARINE ENGINE OVERHAUL KIT

ENGINE MODEL	ENGINE SERIAL NUMBER PREFIX	ENGINE ARRANGEMENT	TOP END OVERHAUL FOUNDATIONAL KIT PART #	MAJOR OVERHAUL FOUNDATIONAL KIT PART #
3412C	60M1-UP	4W3920 4N2247 1790770 1855890 7W7584 1790771 1243400 1302549 1W0733 1790769	4219722	4363145
		1793232 1790775 1790773 1790778 1835416	4219723	4361678
		1433523 1433522 1054832 1054833 1326105 1326109	4219726	4361747
	81Z1-UP	9Y1476	4288745	4288742
3412C Marine GS	4121-UP	2385363 2385357 2385355 2385359	4219723	4361678
3412C PEEC	1EZ4389-UP	1483588 1483596	4219721	4361749
		1483589 1483597	4219724	4362788
3412D	REA 1-UP	2388191 2388190	4219727	4361748
3412E	9KS 1-UP	1778882 1778881 1539100 1539101	4219725	4361745
	9PW1-UP	1833882 1765664 1765733 1833885	4219728	4366847



www.catmarinesupport.com

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