

## MARINE BUNDLED REPAIR SOLUTION

3412C, 3412D, 3412E Engine Overhaul





RFFORI



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**VETER** 

#### 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.



# YOU CHOOSE.

# START WITH THE FOUNDATIONAL LEVEL: SELECT OUR PREPACKAGED FOUNDATIONAL LEVEL KIT OR CUSTOMIZE YOUR OWN FOUNDATIONAL LEVEL.

Containing all the basics for your best engine overhaul, our Foundational Level Kit is designed for convenience – prepackaged, ordered with a single part number and delivered in a single box. Our Customize Your Own Foundational Level allows you to order to your specific engine needs. No matter which Foundational Level option you choose, benefit from our bundled pricing and extended parts warranty when you complete your overhaul with our Advanced or Optimal Level.





\*Includes all gaskets and seals required for a complete overhaul, and many 100% replacement items – ranging from thermostats to gear bushings.





9KS 1-UP

9PW1-UP

3412E

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N/A

6V0237

N/A

• Fuel filter

• Fuel filte
• Studs

Thermostat

• Lock nuts

Bushings

WashersPlugs

ENGINE MODEL	ENGINE SERIAL NUMBER PREFIX	ENGINE ARRANGEMENT	TOP END OVERHAUL FOUNDATIONAL KIT	MAJOR OVERHAUL FOUNDATIONAL KIT	SINGLE FUEL Injector kit	AFTERCOOLER AND LINES GASKET AND SEAL KIT	SINGLE CYLINDER HEAD GASKET AND SEAL KIT	OIL COOLER AND LINES GASKET AND SEAL KIT	FUEL SYSTEM GASKET AND SEAL KIT	EXPANSION TANK GASKET AND SEAL KIT	HEAT EXCHANGER GASKET AND SEAL KIT	FRONT STRUCTURE GASKET AND SEAL KIT	REAR STRUCTURE GASKET AND SEAL KIT	CENTRAL AND LOWER STRUCTURE GASKET AND SEAL KIT
		4W3920	4219722	4363145		2196544	4198601	4218976	4211305	6V0237	N/A	4195116	4545379	
	4N2247 1790770 1855890 7W7584 1790771 1243400	4N2247												4200925
		1790770												
		1855890												
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		1790771	4219722	4303143										
		1243400	]											
		1302549												
		1W0733												
		1790769												
3412C		1793232												
		1790775												
	9BR1-UP	1790773	4219723	4361678				4208545	4199849	N/A	N/A	4198222		4198215
		1790778												
		1835416												
		1433523				1768167	4204888	4204888		N/A	4204427	4200668	4204422	
		1433522							4202031					4200667
	3JK1-UP	1054832 1054833	4219726	4361747										
		1326105												
		1326109						4208545						
	81Z1-UP	9Y1476	4288745	4288742									4198267	
		2385363												i
3412C		2385357					4198601		4199849			4198222		4198215
Marine GS	4121-UP	2385355	4219723	4361678		2196544								
		2385359								N/A			45,5555	
		1483588	4010701	4361749			4105740		4202031		N/A	4206429	4545379	4107210
3412C PEEC	1EZ4389-UP	1483596	4219721				4195748							4197318
34126 FEEG	1EZ4309-UP	1483589		4362788		2196543	4204325							4198215
		1483597	4219724	4502/00		2130043	4204323							4130210
3412D	REA 1-UP	2388191	4219727	4361748		4200923	4204502	4218976	4211305	6V0237		4200926	4204866	4200925
01120	TIEZZ T OI	0000400	7210727	1001710		1200020	1201002	1210070	1211000	0.0207	I	1200020	1201000	1200020

Top End Overhaul Gasket and Seal Kits

Major Overhaul Gasket and Seal Kits

## **ADVANCED LEVEL**

## **OPTIMAL LEVEL**

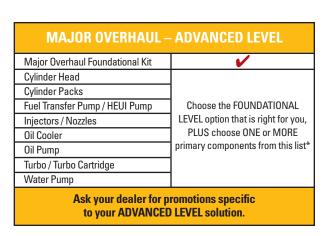
#### **ADDITIONAL BENEFITS**

Keep all the features from our Foundational Level, but with our Advanced Level, you add parts specific to your engine needs. Customize your overhaul – and increase your value.

TOP END OVERHAUL – ADVANCED LEVEL					
Top End Overhaul Foundational Kit	<b>✓</b>				
Cylinder Head	Choose the FOUNDATIONAL				
Fuel Transfer Pump / HEUI Pump	LEVEL option that is right for you,				
Injectors / Nozzles	PLUS choose ONE or MORE				
Turbo / Turbo Cartridge	primary components from this list*				
Ask your dealer for promotions specific to your ADVANCED LEVEL solution.					



Choose **ONE OR MORE** components  $\boxed{\hspace{-2.5cm}\checkmark}$ 





Choose **ONE OR MORE** components

For your most effective overhaul, we recommend inspecting, reconditioning or replacing additional components, including:

- Rod bearings
- Thrust plates
- Main bearings
- Hoses
- Connectors

#### **MAXIMUM BENEFITS**

Bring your engine to original factory specifications and performance. This is our most comprehensive overhaul solution — and our best value, including all the features and benefits from our Foundational Level.

TOP END OVERHAUL – OPTIMAL LEVEL					
Top End Overhaul Foundational Kit	<b>V</b>				
Cylinder Head	1	Choose the FOUNDATIONAL			
Fuel Transfer Pump / HEUI Pump		LEVEL option that is right			
Injectors / Nozzles		for you, PLUS choose ALL additional primary			
Turbo / Turbo Cartridge		components from this list*			
Ask your dealer for promotions specific to your OPTIMAL LEVEL selection.					



Choose **ALL** components





For your most effective overhaul, we recommend inspecting, reconditioning or replacing additional components, including:

- Rod bearings
- Thrust plates
- Main bearings
- Hoses
- Connectors

\* Contents will vary based on engine configuration.



# SELECT INDIVIDUAL COMPONENT COVERAGE AVAILABLE

On commercial engines only.

**Contact your Cat dealer for details.** 





