PLAN FOR THE UNEXPECTED.

LAND DRILLING BUNDLED REPAIR SOLUTIONS
3412 Engine Overhaul
NEVER SLOW DOWN AGAIN.

You depend on your rig to run non-stop. And when engine repairs are necessary, the pressure’s on to get things moving again as fast as possible. Thankfully, you can respond to unexpected repairs or planned maintenance with our 3412 Land Drilling Bundled Repair Solutions. With fast delivery, flexible options, competitive pricing, custom packages and easy ordering, you’ll be back up and running in no time. You choose the option that best fits your needs and we’ll take care of the rest.

BUILT FOR IT.

BUNDLED REPAIR SOLUTIONS

Our bundled repair solutions are built on expertise, built for critical applications and with parts built to last. They’re made to restore engine performance, simplify engine maintenance and lower your total cost of ownership. And every one is built on a promise to quality, built by the name you trust and most importantly, built to be customized by you.
### 3412 MAJOR OVERHAUL

#### OPTION 1 – FOUNDATIONAL LEVEL KIT*

<table>
<thead>
<tr>
<th>ENGINE MODEL</th>
<th>ENGINE SERIAL NUMBER PREFIX</th>
<th>ENGINE ARRANGEMENT</th>
<th>ENGINE OVERHAUL, FOUNDATIONAL KIT PART #**</th>
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#### GASKET KITS

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<tr>
<th>ENGINE ARRANGEMENT</th>
<th>SINGLE FUEL INJECTOR KIT</th>
<th>SINGLE CYLINDER HEAD KIT</th>
<th>OIL COOLER AND LINES KIT</th>
<th>AFTERCOOLER AND LINES KIT</th>
<th>FRONT STRUCTURE KIT</th>
<th>REAR STRUCTURE KIT</th>
<th>TURBOCHARGER INSTALLATION GASKET KIT</th>
<th>WATER PUMP INSTALLATION GASKET KIT</th>
<th>WATER PUMP REBUILD KIT</th>
<th>CENTRAL AND LOWER STRUCTURE KIT</th>
<th>SINGLE CYLINDER LINER GASKET KIT</th>
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#### OPTION 2 – CUSTOMIZE YOUR OWN FOUNDATIONAL LEVEL

Select as many gasket and seal kits as you need – also consider adding key components necessary to improve overhaul effectiveness, including:

- Oil filter
- Fuel filter
- Studs
- Thermostat
- Lock nuts
- Bushings
- Washers
- Plugs

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*Includes all gaskets and seals required for a complete overhaul and many 100% replacement items – ranging from thermostats to gear bushings.
**Part number listed is for reference only. Please contact your local Cat dealer for ordering.
***Contents will vary based on engine configuration.
**ADVANCED LEVEL**

### 3412 MAJOR OVERHAUL

**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.

**MAJOR OVERHAUL – ADVANCED LEVEL**

Choose Major Overhaul / FOUNDATIONAL LEVEL

- Cylinder Head
- Cylinder Packs
- Fuel Transfer Pump
- Fuel Injectors
- Oil Cooler
- Oil Pump
- Turbo / Turbo Cartridge
- Water Pump

Choose the FOUNDATIONAL LEVEL option that is right for you, plus ONE OR MORE primary components from this list*

Ask your dealer for promotions specific to your ADVANCED LEVEL selection.

*Contents will vary based on engine configuration.

### 3412 MAJOR OVERHAUL

**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.

**MAJOR OVERHAUL – OPTIMAL LEVEL**

Choose Major Overhaul / FOUNDATIONAL LEVEL

- Cylinder Head
- Cylinder Packs
- Fuel Transfer Pump
- Fuel Injectors
- Oil Cooler
- Oil Pump
- Turbo / Turbo Cartridge
- Water Pump

Choose the FOUNDATIONAL LEVEL option that is right for you, plus ALL additional primary components from this list*

Ask your dealer for promotions specific to your OPTIMAL LEVEL selection.

*Contents will vary based on engine configuration.

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**OPTIMAL LEVEL**

### 3412 MAJOR OVERHAUL

**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.

**MAJOR OVERHAUL – ADVANCED LEVEL**

Choose Major Overhaul / FOUNDATIONAL LEVEL

- Cylinder Head
- Cylinder Packs
- Fuel Transfer Pump
- Fuel Injectors
- Oil Cooler
- Oil Pump
- Turbo / Turbo Cartridge
- Water Pump

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

### 3412 MAJOR OVERHAUL

**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.

**MAJOR OVERHAUL – OPTIMAL LEVEL**

Choose Major Overhaul / FOUNDATIONAL LEVEL

- Cylinder Head
- Cylinder Packs
- Fuel Transfer Pump
- Fuel Injectors
- Oil Cooler
- Oil Pump
- Turbo / Turbo Cartridge
- Water Pump

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.*