

Preview Solution CBR-2417-2

11L Engine Block Compatibility and Backward Conversion Parts Requirements

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Valid for

Mack Chassis - AN, GR, CHU, CXU, PI, LR, LEU, MRU, TE

Volvo Chassis - VN, VAH, VHD

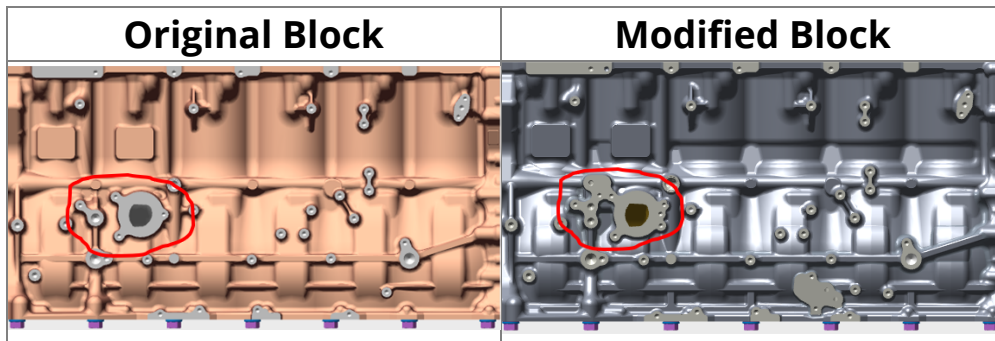
Model Year - 2022 to current

In mid-2022, a modified engine block design was introduced. For trucks equipped with the original block design (pre-modification), additional components are required to ensure compatibility when replacing with a 3/4 engine assembled with the new block. This CBR solution provides instructions for identifying the block version installed in a vehicle and lists the necessary parts required for backward compatibility.

Block Version Identification

To determine the engine block version in your truck, locate the **Crankcase Ventilation (CCV)** assembly point on the engine block. Follow these steps:

1. **Locate the CCV Surface:** The CCV is mounted on a specific face of the engine block. Observe this area carefully.
2. **Verify Surface Design:**



- **Modified Block (Post-2022 Mid-Year):** If the truck has the modified engine block, no additional parts are necessary for 3/4 engine installations.
- **Original Block (Pre-2022 Mid-Year):** If the surface does not match the modified design, the truck is equipped with the original block, requiring additional components for compatibility with new replacement engines.

Required Parts for Compatibility

For trucks built with the original block design, the following parts should be ordered to enable compatibility with the new 3/4 engine.

Live UI

Part Number	Description	Quantity
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20722656	Damper	1
20866453	Pulley	1
23907159	Oil Filter Housing	1
21432772	Oil Filter Housing Gasket	1
21920859	Fuel Pipe	1
21894949	Fuel Pipe Bracket	1

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