

## Detroit Diesel® DD15/DD13

ISSUE: DD-15/13



### LONG BLOCK INCLUDES:

- Block
- Crankshaft
- Camshaft Housing
- Camshafts
- Connecting Rods
- Pistons
- Cylinder Head
- Remaining Gaskets
- Sensors: Temp/Timing/Oil Pressure
- Rocker Assembly
- Rocker Cover
- Oil Pan
- Oil Pump
- Flywheel Housing
- Oil/Coolant Module
- Water Pump
- Oil Cooler
- Vibration Damper

### LONG BLOCK SUPREME INCLUDES: (LB Build Plus)

- Injectors
- High Pressure Fuel Rail
- Rail to Injector Fuel Lines

### AVAILABLE MODELS:

- EPA10 = 2010 to 2012
- EPA10 GHG14 = 2013 to 2016
- EPA10 GHG17 = 2016 to 2019

### CORE RETURN POLICY

- If there are visual holes or cracks in the block there will be a 50% core charge back.
- Core charges are refunded within 48-hours after Reviva receives your core.
- Crank must rotate

\*\*\*\* Round-trip freight prepaid within the Continental US\*\*\*\*

**FROM SKIDSTEERS TO SEMI-TRUCKS,  
REVIVA HAS YOU COVERED!**

### QUALITY PROCESSES

Every engine is machined using state-of-the-art equipment and assembled using precise and repeatable methods. All engine production follows documented lean manufacturing processes and principles to create consistent quality and dependable outcomes.

- All Reviva engines are assembled in the USA.
- Reviva replaces 100% of rings, bearings, gaskets and seals.
- Reviva matched OEM requirements for piston type depending upon HP and application.
- All heads get new valves and are vacuum tested to ensure the quality of the valve job. All heads are pressure tested and upgraded to the latest style valve seal.
- Cylinder head seats replaced or machined.
- Camshafts are checked for size, reground if necessary, and micro-polished to OEM specifications.
- All connecting rods are de-magnetized.
- Frost plugs are 100% stainless steel to avoid corrosion.
- Blocks, heads and crankshafts are 100% magnaflux tested to avoid cracked components.
- Connecting rods are re-machined to OEM specifications.
- Crankshaft is checked for size, reground if necessary, and micro-polished to OEM specifications.

### REVIVA TESTING

- **Long blocks** are SIM tested for performance.
- The machine measures cylinder compression, rotational torque, oil pressure, coolant pressure.
- Engines are checked with a black light to ensure no leaks.
- **Drop-In** engines are Dyno tested prior to shipment.
- Reviva runs a 30 minute, 12-stage dyno process which includes running the engine at high idle, full load.
- Multiple engine parameters are monitored including horsepower and torque. Fuel, oil, coolant pressure and temperature along with crank case pressure.
- All fluids are dyed different colors for post dyno leak inspection with a UV light.
- All electronic engines are hooked up to a scan tool to check for active codes and a copy is added to the dyno sheet.

### WARRANTY COVERAGE

On-Road Complete Drop-In configurations: 2 year/unlimited mileage.\* Long Block configurations: 1 year/unlimited mileage. Off-Road Complete Drop-In configurations: 1 year/2,000 hours. Motorhome/RV Applications: 1 year parts and labor only.

Some restrictions apply; see limited warranty details or call for more information.  
\*2nd year long block coverage only.

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# Detroit Diesel® DD15/DD13 Engine Core Evaluation

## SECTION I: CUSTOMER INFORMATION

User/Installer \_\_\_\_\_ Date \_\_\_\_\_

Dealer/Distributor Contact \_\_\_\_\_ Phone #( ) \_\_\_\_\_

Engine Part Number \_\_\_\_\_ Serial Number \_\_\_\_\_

## SECTION II: NON TYPE FOR TYPE OR JUNKYARD CORE DEDUCTION

If returning a core of a type different than the engine being purchased (ie: different displacement or horsepower rating), junkyard or disassembled core that cannot be remanufactured, the deduction will be up to a full core deposit.

\$ \_\_\_\_\_

## SECTION III: CORE DEDUCTIONS FOR

- If there are visual holes or cracks in the block there will be a 50% core charge back.

The following table represents the deductions for missing or damaged components. Missing miscellaneous fittings will be charged at cost. Oil and coolant must be drained. This list may be generic and subject to change. Please contact Reviva with any specific questions regarding core deductions.

1) <input type="checkbox"/> Cracked Block/Visual hole 50% charge back	10) <input type="checkbox"/> Vibration Damper ..... \$250
2) <input type="checkbox"/> Failed Crank Rotation..... \$2,200	11) <input type="checkbox"/> Oil Pan ..... \$350
3) <input type="checkbox"/> Cylinder Head ..... \$1,100	12) <input type="checkbox"/> HP Fuel Rail..... \$400
4) <input type="checkbox"/> Oil/Coolant Module ..... \$800	13) <input type="checkbox"/> Injectors (ea)..... \$500
5) <input type="checkbox"/> Flywheel housing ..... \$350	14) <input type="checkbox"/> Valve Cover..... \$100
6) <input type="checkbox"/> Camshaft Housing Assembly ..... \$700	15) <input type="checkbox"/> Original Engine Skid.....\$1,250
7) <input type="checkbox"/> Intake Camshaft ..... \$800	15) <input type="checkbox"/> Coolant/Oil Filter/Oil not removed... \$550
8) <input type="checkbox"/> Exhaust Camshaft..... \$900	
9) <input type="checkbox"/> Rocker Assemblies..... \$500	

**TOTAL EXTERNAL DEDUCTIONS** (add lines 1 through 15) \$ \_\_\_\_\_

## SECTION IV: NET CORE CREDIT

CORE DEPOSIT (Complete and Assembled) \_\_\_\_\_ - DEDUCTIONS (Sum of Section II, III and IV) \_\_\_\_\_ = NET CORE CREDIT \_\_\_\_\_

## SECTION V: AUTHORIZATION

Dealer/Distributor Signature \_\_\_\_\_ Date \_\_\_\_\_

Inspector Signature \_\_\_\_\_ Date \_\_\_\_\_

Inspector Phone #( ) \_\_\_\_\_