

**CASE IH REMANUFACTURED TIER 3
& TIER 4A CURSOR ENGINES.**

HIGH-HORSEPOWER & 4-WHEEL DRIVE TRACTORS.

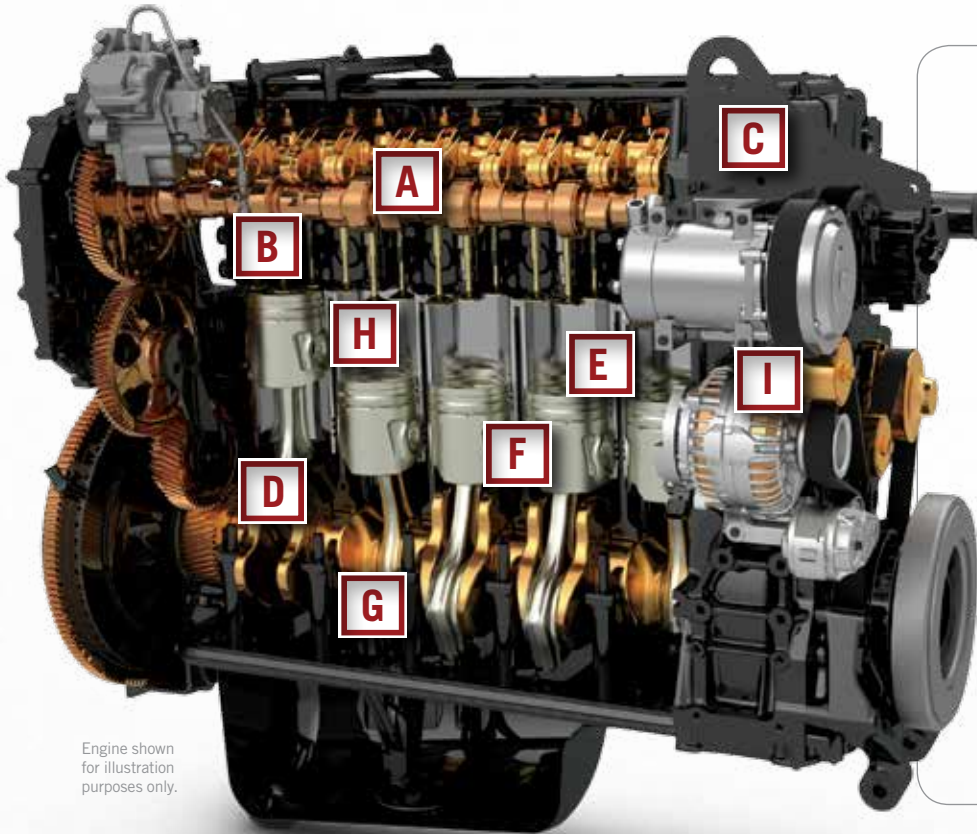


CNH REMAN



A BETTER PROCESS. A BETTER PRODUCT.

Much more than a rebuilt or repaired engine, Case IH engines are thoroughly remanufactured using advanced machining, rigorous testing and unequaled quality control. Plus, they're backed by an industry-leading, **two-year warranty on parts and labor.*** The result – a part that functions as well as an original part, yet costs 20-40% less.



Engine shown for illustration purposes only.

ENGINE TESTING

All replacement engines are **dynamometer (dyno) tested**, which tests oil pressure, exhaust temperature, horsepower, water and oil circulation, and overall functionality. The testing also checks for leaks and completely lubricates the engine, giving it robust protection during storage and shipment.

Sediment testing is also performed, where wash water is cycled through a five-micron filter (five times tighter than most engine oil filters). This is done routinely to ensure parts are as clean as possible when they leave the facility, so when the machine starts up, no problems occur.

Whereas some competitors inspect surfaces by just “eyeballing” it, Case IH reman uses **Magnaglo inspection** throughout the remanufacturing process. This procedure magnetizes components and applies a phosphorous solution over the part to reveal the smallest surface flaws.

A. CAMSHAFTS

Camshafts are examined, straightened and all main journals and lobes are checked. Camshafts that do not meet specs are scrapped. Those that pass are machined to ensure proper valve lift and timing.

B. CYLINDER HEADS

Each head is inspected for cracks and those that pass are milled to ensure flatness. Valve seats and guides are machined with precision equipment to ensure proper valve seating, recession, clearance and run out.

C. PAINTING

Guards, plugs and grease protectant are used to avoid painting active surfaces. This prevents system contamination, misalignment or leak-causing gaps created from melted or flecked paint.

D. CONNECTING RODS

Connecting rods are thoroughly cleaned and checked for straightness. Those that do not meet specifications are scrapped and replaced with new. Both crank and piston pin bores are checked for size, and 100% new bearings and bushings are installed.

E. CYLINDER SLEEVES

Engines with wet sleeves are replaced 100% with new. In dry sleeve engines, cylinder bores are either machined to an oversize condition or repaired. In the repair process, a liquid nitrogen cooling tank contracts cylinder repair sleeves before installation, so once set, they expand to a permanent, pressed fit.

F. WEAR PARTS

All pistons, rings, gaskets, bearings, bushings, seals, filters and thermostats are replaced with OEM parts in every Case IH remanufactured engine.

G. CRANKSHAFTS

Crankshafts are examined, straightened, welded (as needed) to oversize specifications and ground three times to within five-thousandths of an inch. The cranks are then re-examined and all surfaces (including the critical journal radius areas) receive a final polish.

H. ENGINE PROBING

Engine bores are probed to identify any misalignment or uneven wear. Measurements are indexed by a sophisticated computer and then used to ensure the bores are machined perfectly round and brought back to spec.

I. ADDITIONAL PRODUCTS

Additional Case IH remanufactured parts include: starters, alternators, turbochargers, fuel injection components, water pumps, A/C compressors and more.

* When installed by a Case IH dealer.

CASE IH REMANUFACTURED LONG BLOCK & REPLACEMENT CURSOR ENGINES

DESCRIPTION	PART NUMBER	MODEL USED ON
REMAN LONG BLOCK ENGINES		
Cursor 12.9L Tier 3 Long Block	47454049ER	Steiger® 485
	47454053ER	Steiger® 380, Steiger® 385, Steiger® 430, Steiger® 435, STX380, STX430
Cursor 12.9L Tier 4A Long Block w/o Brake	47454071ER	Steiger® 400, Steiger® 450, Steiger® 500, Steiger® Quadtrac® 450, Steiger® Quadtrac® 500
Cursor 12.9L Tier 4A Long Block w/ Brake	47454075ER	
Cursor 12.9L Tier 4A Long Block	Coming in Late 2013	Steiger® 550, Steiger® 600, Steiger® Quadtrac® 550, Steiger® Quadtrac® 600
REMAN REPLACEMENT ENGINES		
Cursor 8.7L Tier 4A Replacement	84384829ER	Magnum™ 235, Magnum™ 260, Magnum™ 290, Magnum™ 315, Magnum™ 340
Cursor 8.7L Tier 4A Replacement w/ Brake	84384833ER	
Cursor 12.9L Tier 3 Replacement	84217574ER	Steiger® 485
	84217571ER	Steiger® 435
Cursor 12.9L Tier 4A Replacement	5801509339ER	Steiger® 350, Steiger® 400, Steiger® 450, Steiger® 500, Steiger® Quadtrac® 450, Steiger® Quadtrac® 500
	Coming in Late 2013	Steiger® 550, Steiger® 600, Steiger® Quadtrac® 550, Steiger® Quadtrac® 600

PRICE COMPARISONS: REMANUFACTURED VS. NEW

LONG BLOCK ENGINES

REMAN ENGINE	NEW ENGINE	REMAN ENGINE PRICE SAVINGS
47454049ER	84217574	\$16,500 +
47454053ER	84217569	\$12,500 +
47454071ER	5801509339	\$14,500 +
47454075ER	84390588	\$8,000 +
Coming in Late 2013	84390590	\$17,000 +

REPLACEMENT ENGINES

REMAN ENGINE	NEW ENGINE	REMAN ENGINE PRICE SAVINGS
84384829ER	84384829	\$6,000 +
84384833ER	84384833	\$7,000 +
84217574ER	84217574	\$12,500 +
84217571ER	84217571	\$5,000 +
5801509339ER	5801509339	\$6,500 +
Coming in Late 2013	84390590	\$14,000 +

Please refer to the Next Generation Parts Catalog (NGPC) for more information. Direct customers to order at partstore.caseih.com.





BENEFITS OF CASE IH REMANUFACTURED PARTS

SIGNIFICANT SAVINGS

Case IH remanufactured parts cost less than new parts – offering a great value while ensuring peak performance.

MORE CHOICES

Every day, we look to add even more parts to our already extensive reman roster. This expanded offering provides more options for your customers' equipment needs.

HIGHER VALUE

It's a fact. When you install our parts in your customers' equipment, they can expect increased resale value.

OEM PERFORMANCE

Unlike "will-fit" parts, each Case IH remanufactured part is engineered to deliver like-new performance that meets stringent Case IH performance specs.

PROMPT CREDIT FOR YOUR CORE

Your existing core has value. We do not deduct for a damaged core (as long as the core is like-for-like) so it's easier than ever to get credit for your core.

QUALITY

Case IH remanufactured parts are completely disassembled. All parts are thoroughly inspected and reassembled to the latest OEM specifications.

LESS DOWNTIME WITH INSTALLATION OPTIONS

Because many Case IH remanufactured parts are ready to install, service technicians can spend less time completing repairs or shop installs. The result? Quicker turnaround and a whole new level of equipment uptime for your customer.

SUPERIOR WARRANTY PROTECTION

Unlike no-name competitors or rebuilds, our parts are fully warranted – just like those bought new. Case IH remanufactured parts provide same-as-new, and sometimes better-than-new, warranty coverage.

