

D11 UPGRADE OPTIONS

CAT® UPGRADES & RETROFITS





UPGRADES MAKE A TIME-HONORED MACHINE EVEN BETTER



IN THE DECADES SINCE ITS INTRODUCTION, THE CAT® D11 DOZER HAS BUILT A REPUTATION FOR **IMPRESSIVE POWER, PERFORMANCE AND DEPENDABILITY**. MINING OPERATIONS AND MAJOR CONSTRUCTION COMPANIES AROUND THE WORLD COUNT ON IT FOR LARGE SITE MANAGEMENT AND MASSIVE EARTHMOVING JOBS.

CATERPILLAR HAS CONSTANTLY WORKED TO MAKE THE D11 MORE EFFICIENT AND PRODUCTIVE, EASIER AND SAFER TO OPERATE AND MORE COMFORTABLE FOR THE OPERATOR IN THE CAB. THE UPGRADE OPTIONS AVAILABLE TODAY CAN EXPAND THE CAPABILITIES OF A NEW D11 OR ADD NEW FEATURES TO AN OLDER MACHINE.





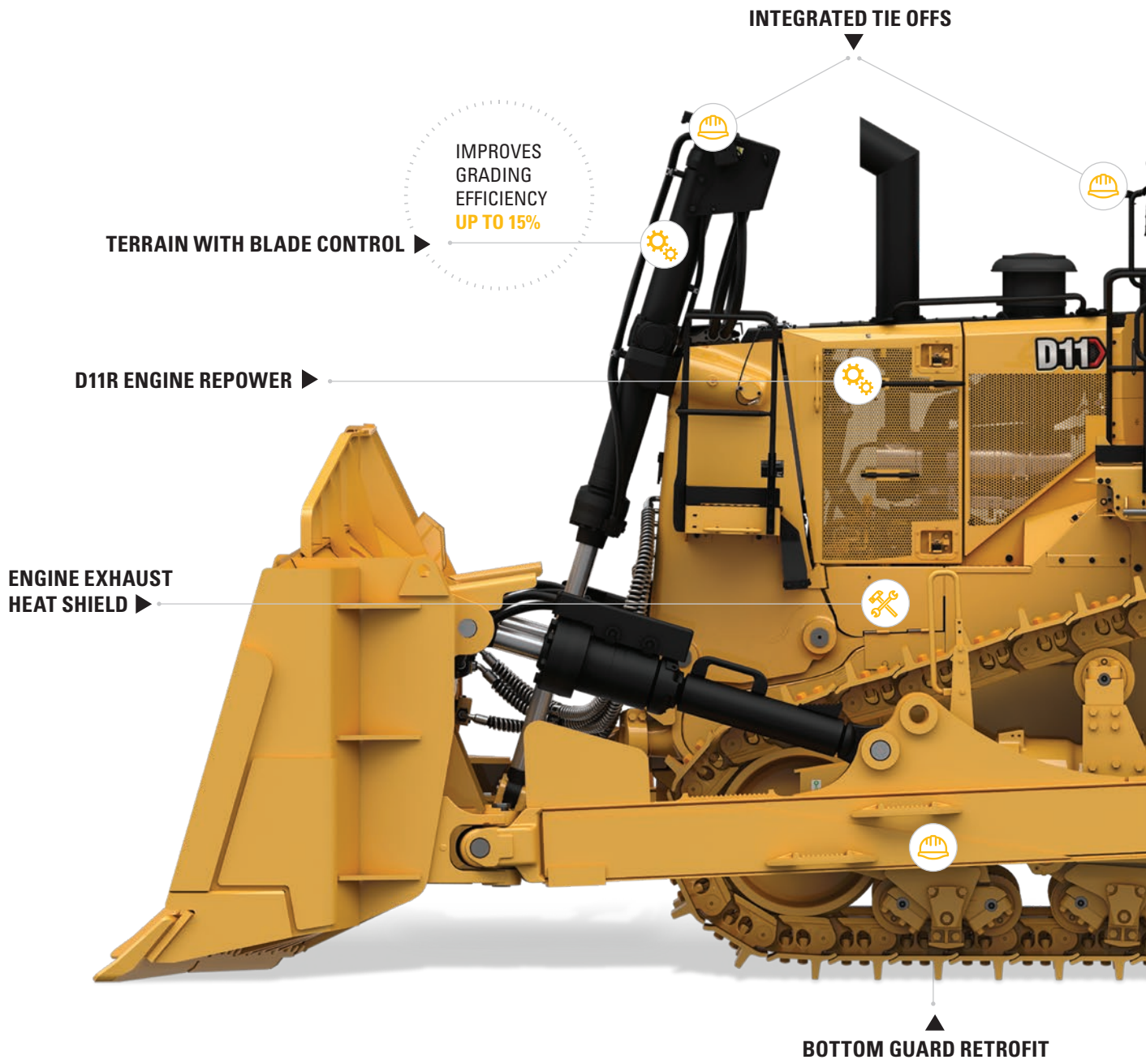
GENUINE CATERPILLAR DESIGN & MANUFACTURING


Every upgrade outlined in these pages is designed and built by Caterpillar. And each is built to the highest quality in the industry, using Genuine Cat® parts and components. All are precision engineered to integrate seamlessly with D11 mechanical systems, component groups and technologies.


When you add any of these options — to a new machine, during a rebuild, in conjunction with a major component replacement or as a stand-alone upgrade — you can count on them to deliver the performance you expect from Caterpillar, the industry leader in large dozer innovation.




AVAILABLE
UPGRADES & REPOWERS

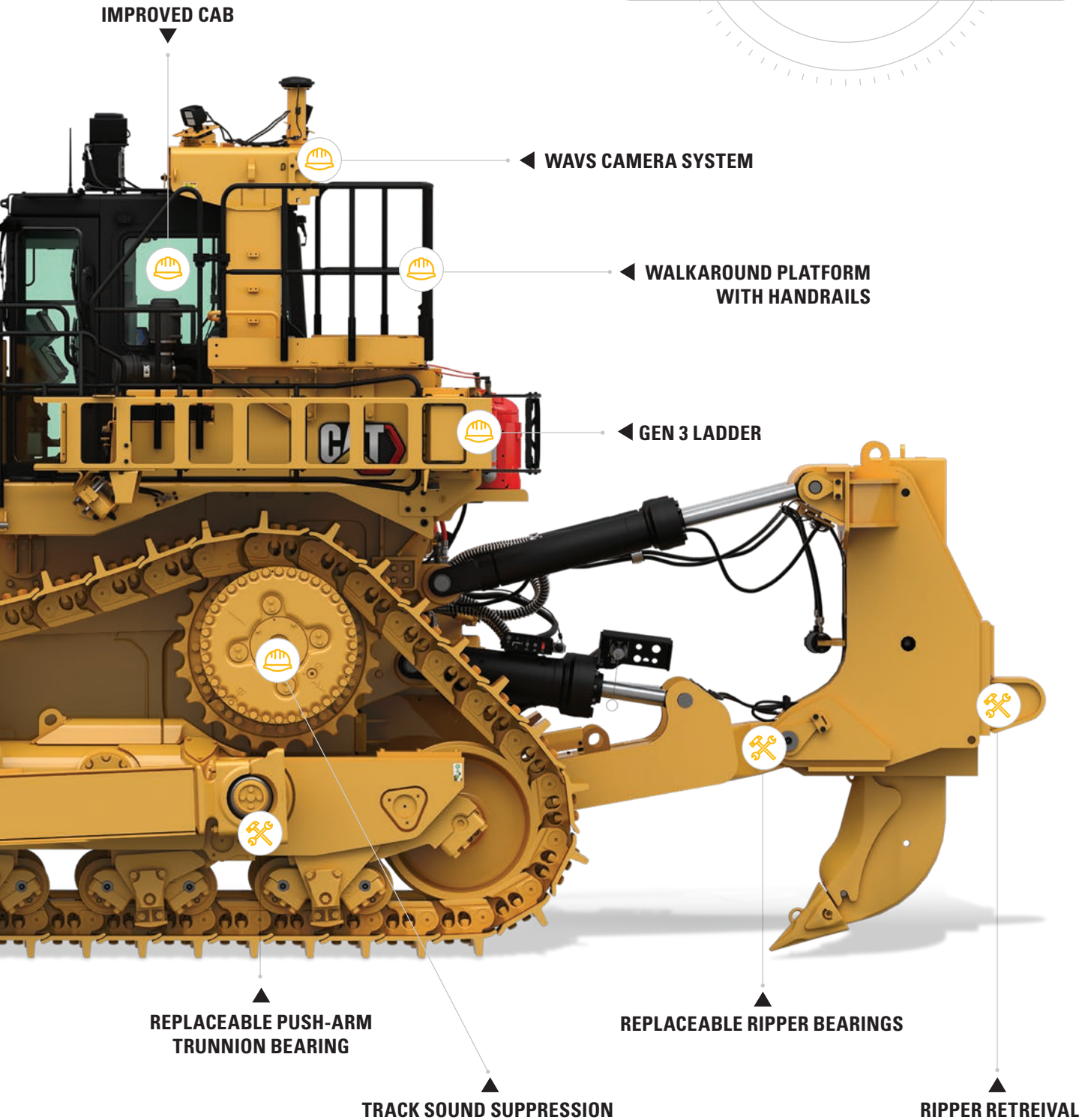


 SAFETY ENHANCEMENTS

 MAINTENANCE & REPAIR UPGRADES

 PERFORMANCE IMPROVEMENTS

AVAILABLE AS OPTIONS ON MOST NEW CAT D11R AND D11T DOZERS (AS INDICATED), AND ON MANY OLDER MACHINES. **ASK YOUR CAT DEALER** ABOUT AVAILABILITY ON SPECIFIC OLDER MODELS.





SAFETY ENHANCEMENTS

IMPROVED CAB

Features & Benefits

- Advanced cab filtration with powered air cleaner
 - Provides high-efficiency filtration levels to improve cabin air quality
 - Available in 4 filter media types to accommodate specific filtration requirements

Availability: D11T, D11R



- Seat belt reminder
 - Visual and audible reminder to latch the seat belt
 - Optional exterior beacon for visual confirmation to site personnel
 - Ability to log and track seat belt compliance with Product Link equipped machines

Availability: D11T, D11R, D11N

GEN 3 LADDER

Features & Benefits

- 2x faster ladder raise and lower vs. previous generation
- New ladder focused on durability with 60% fewer welds
- Ladder moved closer to the fender in the stowed position

Availability: D11, D11T, D11R

BOTTOM GUARD RETROFIT

Features & Benefits

- Slotted design allows for bolt retention while bottom guard is lowered from the frame
- Optimized balance of front guard (**additional area for jacks**)
- Integrated threaded bosses to retain lowering strap — improves installation and removal of guards
- Additional pusher bolt to aid in removal

Availability: D11T, D11R, D11N

WALKAROUND PLATFORM WITH HANDRAILS

Features & Benefits

- Modular design can be varied to meet unique customer needs
 - Provides access to the rear window and rear mounted lights
 - Improves safety for service and maintenance operations

Availability: D11T

WORK AREA VISION SYSTEM (WAVS)

Features & Benefits

- Highly configurable camera system capable of running up to four cameras
- Multi-camera system is integrated into the machine, so based on machine movement, WAVS will automatically send the appropriate view to the cab display

Availability: D11T, D11R, D11N



INTEGRATED TIE OFFS

Features & Benefits

- Cab and cylinder bracket tie offs provide improved safety when working on the machine

Availability: D11T

TRACK SOUND SUPPRESSION

Features & Benefits

- Three-piece clamp on design allows for easy installation with tracks installed
- Up to 8 dBA reduction in noise for in-service machines running in second gear

Availability: D11, D11R, D11T





MAINTENANCE & REPAIR UPGRADES

REPLACEABLE PUSH-ARM TRUNNION BEARING INSERTS

Features & Benefits

- No welding required to change push-arm bearings
 - Eliminates requirement to cut off and replace trunnion
- Improved joint life
 - 50% longer wear life than previous design
 - Reduces parts & labor costs (Estimated 25 hours to replace trunnion)

Availability: D11T, D11R



ENGINE EXHAUST HEAT SHIELD

Features & Benefits

- Completely cover the exhaust manifolds and hot side of turbocharger
- 304 Stainless Steel outer construction and 321 Stainless Steel inner foil construction encapsulates the insulation for great performance over the entire life of the engine
- Reduces surface temperatures up to 3x, well below diesel fuel autoignition point

Availability: D11T, D11R with C32 Repower

REPLACEABLE RIPPER BEARINGS

Features & Benefits

- No welding or line bore required to change bearings after initial installation
 - Reduces maintenance costs and downtime
- Improved bearing life
 - Reduces parts & labor costs

Availability: D11T, D11R, D11N

RIPPER RETRIEVAL

Features & Benefits

- Certified to ISO 10532
- Analyzed with an additional 5 degrees of pull angle over ISO 10532
- Exceeds ISO 10532 pull force to align with capability of D11

Availability: D11, D11T, D11R



PERFORMANCE IMPROVEMENTS

TERRAIN WITH BLADE CONTROL

Features & Benefits

- Provides AutoCarry and AutoRip along with terrain
 - Improves operator efficiency **up to 15%**
 - Simplifies operation
 - Reduces new operator training time
- Delivers grading accuracy of **±5 cm**
 - Helps operators get to the precise grade in fewer passes
 - Eliminates rework

Availability: D11T

D11R REPOWER

Features & Benefits

- 3508 to C32 upgrade
 - Improved performance and fuel savings **up to 10%**
- Potential to extend maintenance intervals
- Estimated 40 tons/year reduction in emissions
- 60% increase in altitude capability

Availability: D11R



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