

Cat® SystemOne™ Undercarriage for Cat® Machines



Innovation that pays for itself.

Since its inception, Cat® SystemOne™ Undercarriage has been tested in some of the most extreme conditions and toughest environments. Remarkably, the results not only met our goals, but in case after case, far exceeded our highest expectations. By redesigning SystemOne from the ground up, we were able to design an undercarriage that works and wears as a system. It minimizes the maintenance and associated downtime between track changes while increasing productivity and lowering owning and operating costs.

SystemOne is an undercarriage system that offers reduced maintenance and increased life. It's routinely cutting owning and operating costs and it's setting the new standard for performance for many satisfied customers on the job today.



CATERPILLAR®

The new industry standard.

Once customers experience the difference in performance and cost per hour, they'll want SystemOne on all their equipment, new and old.

Cat SystemOne Availability

Machine	Factory	Retrofit
D3K/D4K	•	•
D5K	•	•
D6K	•	
D6N	•	•
D6T	•	•
D8T	•	•
953D*	•	
963D*	•	
D5G		•
D4H/D5M/D5N		•
D5H/D6M		•
D6H/R		•
D8N/R		•
953B/C		•
963B/C		•

*Shipped with conventional idlers until further notice.

Proven and Reliable. SystemOne handles the toughest jobs, better.

Over 18,000 machines equipped with SystemOne have been hard at work on job sites in some of the harshest conditions and applications worldwide. Nearly all are reporting a drop in undercarriage operating costs.

Field tests and customer experiences also confirm that SystemOne greatly reduces maintenance requirements and significantly increases wear life. Its innovative rotating bushing design increases bushing life, eliminating the need for a bushing turn. Together with extended life sprockets, idlers, rollers and cartridges, the life of the entire system is extended. The net effect is improved productivity at a dramatically lower cost.

Field-tested and proven, Cat SystemOne Undercarriage delivers the longest life and greatest reliability of any undercarriage system available. SystemOne currently does not support Quad- and Tri-link configurations.

Tractors equipped with SystemOne undercarriage experience lower operating costs.



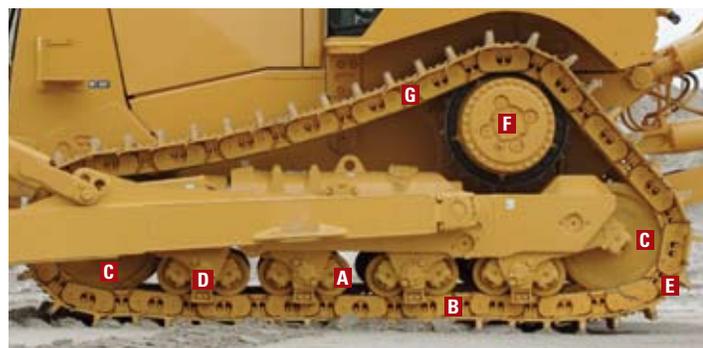
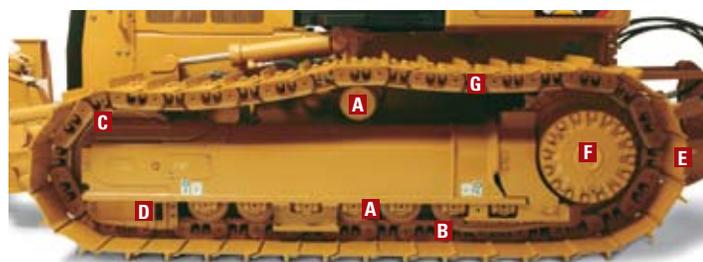
Undercarriage life is increased with the use of SystemOne.**

** Varies by model, application and underfoot conditions. See your local Cat Dealer for specific life projections. SystemOne Undercarriage is covered for four years, 6,000 hrs. or 100 percent wear, whichever comes first.

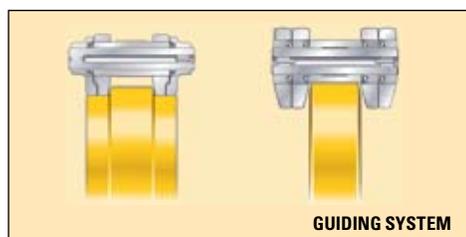
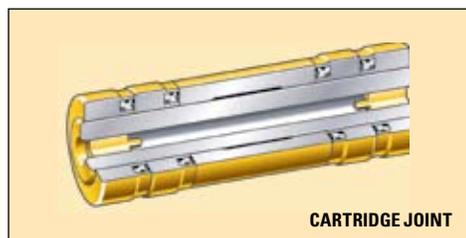
Redesigned from the ground up.

Absolutely nothing was overlooked. Each component was analyzed to optimize performance, minimize maintenance and extend wear life.

The result is an undercarriage that offers customers an opportunity to cut their costs per hour – sometimes, dramatically. **Here's why.**



- A TRACK ROLLERS**
Larger flange for enhanced guiding.
- B CARTRIDGES**
Sealed cartridge-style joints; synthetic oil reduces seal friction by 50 percent.
- C CENTER TREAD IDLERS**
Lasts up to two track systems. No contact with link rails, eliminating scalloping and vibration.
- D GUIDES**
Provide better control for reduced wear and lower maintenance.
- E SHOES**
Four shoe types are available (varies by machine):
 - Moderate service
 - Extreme service
 - Trapezoidal
 - Multi-grouser
 - Super extreme service for D8 only
- F SPROCKETS**
Typically lasts up to two track systems varying by model, application and underfoot conditions.
- G TRACK GROUP AND LINK ASSEMBLY**
Stronger, straight-link design holds up in high-impact conditions. Master link available for small and medium track-type tractors. Serrated master link standard for D8.



Innovative, practical and cost efficient:

Discovering the Cat SystemOne difference is easy. You can't afford to choose anything less than SystemOne, especially with reduction in operating costs, greatly extended life and enhanced reliability.

You've got enough to worry about, SystemOne takes the sting out of maintenance setbacks – eliminating bushing turns, idlers that outlast two tracks and a new, innovative factory-sealed cartridge design.

The longer your undercarriage stays in the field, the greater your returns. SystemOne components have been intelligently designed to work and wear as a system, ensuring a balanced wear life. Unique rotating bushing allows center tread idlers and sprocket segments to be used over the life of two undercarriage systems.

If the ride experience is smoother, the job feels less like work and more work gets done. SystemOne's center tread idlers eliminate costly link rail scalloping and provide the link assembly with more guiding, resulting in significantly less vibration.

SystemOne outperforms Sealed and Lubricated Track (SALT) and Heavy Duty Track in nearly all applications and underfoot conditions available, making it the optimal choice for any tough assignment.



Shown above, a SystemOne link assembly with conventional idler and the scalloping that resulted from its contact with the link rail.



Shown here, the same machine with the same number of hours, but equipped with a center tread idler. The idlers make contact with the joint cartridges only, not the link rails, which eliminates link scalloping and vibration.

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“When my dealer came to me and explained this system, I was a little bit concerned about using it on such a heavy tractor. But I was really excited about it, because in this environment today, you’ve got to find ways to cut your costs. This will cut our costs and keep us more competitive.”

Norm Murdough
South Carolina
23-year Cat customer



“The life expectancy, I would say, on these tracks are well over two to one over the old style, especially with the abrasive conditions that we work in. I would advise anyone to try it.”

Melvil Libby
Lobb Bros, Cornwall, UK



Custom Track Service

To ensure you receive the most productivity from your machine, Caterpillar offers Custom Track Service (CTS), a comprehensive service to help manage undercarriage systems. Our parts and service representatives will perform inspections to project remaining wear life, in order to maximize the life of your machine. Equipped with the advanced tools and necessary parts to perform cost-efficient, accurate track work, CTS minimizes downtime and gets machines back to work quickly.

UNDERCARRIAGE ASSURANCE*

Leakage and Breakage Coverage

New SystemOne Undercarriage parts are covered for leakage and breakage for four years, 6,000 hours or 100 percent wear, whichever comes first.

* See your local Cat Dealer for details.

CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer Network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

