

# CAT<sup>®</sup> HYDRAULIC HOSE & COUPLINGS



SAFETY & QUALITY  
DURABLE, FLEXIBLE HOSE  
ALL MAKES, ALL MODELS



# SAFE, RELIABLE, HIGH PERFORMANCE HOSE ASSEMBLIES FOR ALL MAKES AND MODELS

Let's be honest, hose and couplings are easy to forget about – until one fails. These critical components carry the fluids that are the driving force of hydraulic systems so hose reliability can make a difference in your operation. Since the 1960s, Caterpillar has offered a range of high-quality hydraulic hose, coupling products, and assembly tooling kits. We are the only major OEM to build its own hose products and continue to invest in improving engineering, reliability, and value to make sure you get the safest, most dependable hose possible.

## SAFETY & QUALITY

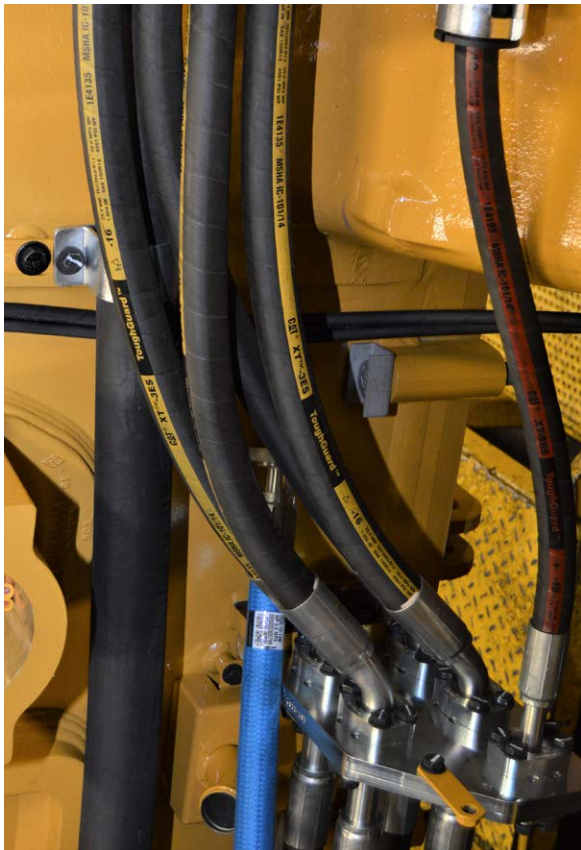
For over 50 years, our hose and couplings have been uniquely designed and manufactured for your machine by Caterpillar as a complete integrated system. We conduct stringent quality and contamination control processes to provide you with consistently manufactured high-quality components. Each system is safely and reliably made through proprietary processes for your application requirements.

## DURABLE, FLEXIBLE HOSE

Every Cat hose is engineered to surpass industry standards. Our abrasion-resistant hose covers, including ToughGuard™, are made for the harshest operating conditions. Cat® hydraulic hoses have a flexible bend radius, allowing you to easily route them through the tightest spaces.

## ALL MAKES. ALL MODELS

You can service your mixed fleets and other industry applications with our versatile and extensive hose assembly product line. Over 40 types of hoses meet or exceed all major industry standards. And there are over 3000 coupling options, with a wide range of sealing types you can use across a variety of applications and equipment brands.



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## 6 REASONS WHY CAT HOSE AND COUPLING PRODUCTS ARE THE SMART CHOICE FOR EVERY FLEET:

- + Versatile Performance: Cat hose and coupling products are designed to offer exceptional performance and durability on all types of equipment, not just Cat machines.
- + Unmatched Expertise: With years of experience in the industry, Cat hose and coupling products are manufactured using cutting-edge technology and expertise to meet the needs of modern fleets.
- + Exceeding Standards: With a broad range of hose and couplings types that meet or exceed all major industry standards (SAE/EN/ISO), providing consistent dependability and performance for your equipment.
- + Superior Build: Multiple-ply hoses and high tensile reinforcement wire, along with high-strength steel and heat-treated couplings, provide durability and corrosion resistance.
- + Expert Support: Cat dealers offer comprehensive support for assembling and installing a broad range of hose and couplings types on your entire fleet, with technicians specially trained to handle Cat products.
- + Dependable Solution: Choosing Cat hose and coupling products is a smart choice for your fleet, providing reliable and long-lasting performance that you can rely on. Additionally, we offer reusable couplings for large-diameter, high-pressure hoses on select machine sizes.



# HOSE & COUPLINGS

**Cat hydraulic hose and couplings have earned a global reputation for our performance and reliability. Our hoses are designed to work together as a coordinated system, providing a reliable connection that enhances hydraulic system safety and dependability.**

We pay close attention to routing and pressure requirements, which sets us apart by providing the highest levels of safety and reliability with our hydraulic systems. Cat hydraulic hoses are designed to work at half of the SAE bend radius without sacrificing extreme cold-temperature flex capability or durability, enabling easier routing in tight spaces.

Our hydraulic hose and coupling components are subjected to the most rigorous testing processes in the industry. We use an array of measures to evaluate both raw materials and finished components. These include rubber compression and elongation testing, wire tensile strength testing, temperature adaptability testing, flexibility testing, salt-spray corrosion testing, and metallurgical testing. After each component is tested, the hose assembly is tested as a system. Safety is our top priority, so Cat hose assemblies are burst tested to ensure no failures when pressure is applied at 4X the maximum working pressure. To ensure dependability, high pressure spiral XT hose assemblies are impulse tested to 1,000,000 cycles – two times the SAE standard of 500,000 cycles. Furthermore, Caterpillar not only manufactures the machine, but we manufacture the hose and couplings as well. Therefore, we know exactly the kind of punishment these components will experience in the field, and we know how to make them survive. For example, we know the number one cause of hose failure is abrasion. That's why Caterpillar developed ToughGuard™ hose. This ultra-high abrasion resistant polyethylene cover not only saves you downtime but saves you cost by eliminating the need for plastic spiral guard and nylon sleeving.

Cat dealers use tooling designed by Caterpillar and industry unique software to construct every hose assembly to exact OEM specifications, ensuring precise crimps every time for enhanced safety and reliability. Cat dealers are equipped with proprietary tools and reference materials to ensure your safety and machine dependability are always maintained. The Cat dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

# CAT COUPLINGS

Our Cat couplings are one-piece and provide a secure connection for Cat hoses. They are forged and machined from high tensile strength steel. Then they are treated and plated to ensure maximum durability and corrosion resistance. They can withstand pressure and allow flexibility without causing fatigue, resulting in a reliable connection with no risk of leaks. Additionally, we offer reusable couplings for large-diameter, high-pressure hoses on select machine sizes.



## CAT REUSABLE COUPLINGS FOR XT™ HOSE

There is no need to purchase a new coupling each time a hose is replaced. With Cat Reusable Couplings, you always have a coupling ready for immediate use, leading to reduced machine downtime.

Cat Reusable Couplings for XT™ Hose are tested, validated, and designed against failure and can be used repeatedly.\* Cost reduction, work safety, and a ready replacement to reduce downtime is our priority for you.

\*Does not include abuse, neglect, fire, improper use, installation, or repair.

## WHERE AND WHEN TO USE

Mining, large constructions, extreme environmental conditions, heavy-duty applications: when the going gets tough, CAT® Reusable Couplings get going. Designed for sizes one inch and larger high-pressure spiral hose, CAT® Reusable Couplings are the right choice whenever the hose is frequently replaced due to extreme working conditions. Where the going gets tough, your Cat Dealer, keeps you going.



## RECLAIM YOUR REUSABLE COUPLINGS

Entrust your Cat dealer with your reusable couplings. Your Cat dealer will perform the correct procedures for reclaiming and reinstalling Cat Reusable Couplings, to provide the utmost safety. Your repaired hose assembly will be ready fast – so you can get back to work quickly.



## BRANCH SOLUTIONS

Sometimes a human connection is what you need. The experts at your Cat dealer's parts counter are happy to answer questions and help you find the right parts and service information. Ordering hose assemblies is as easy as 1-2-3.

**STEP 1-** Provide us with the Cat hose part number(s) you need over the phone, using the QR code or bring your hose(s) into your local branch store.

**STEP 2-** For Cat hose assemblies, your dealer will build an exact replacement hose assembly using genuine Cat parts to original Caterpillar OEM specifications. For non-Cat hose assemblies (mixed fleet) your dealer will build an equivalent hose assembly using high-quality, genuine Cat parts.

**STEP 3-** Fast turnaround and quick delivery will get your equipment back up and running.

\* Cat Hose Service Solutions are expanding daily. Please contact your Cat dealer for more information about availability in your area.

# ONLINE SOLUTIONS

## REORDER YOUR CAT® HOSE ASSEMBLIES FASTER WITH A CODE

Spotting a potential problem during your daily machine walk-around helps you avoid future machine issues and reduce unplanned downtime and expenses. When that potential problem is identified and involves a hose, you expect a quick, reliable repair.

Ordering the right hose for your machine is easy with the shopping QR code on the hose label! Look for the code with the shopping cart icon, then use your smart device's camera to scan the code, taking you directly to the part number page on Parts.Cat.com. Once you have added the item to your cart, finalize your purchase by indicating whether you want it delivered or picked up from your local Cat dealer - it is that easy! By scanning the QR code, you will save time and money, and you will know that you are getting the right hose for your machine every time.



**STEP 1-** Scan your label on your Cat hose with your mobile device's camera and get the right product added to your cart.



**STEP 2-** Review your cart and check out.



**STEP 3-** Available for pick-up at your Cat dealer or shipped to you.

## PROACTIVE HOSE MANAGEMENT USING CAT INSPECT AND THE TRACKING CODE

While inspecting machines, it's important to record observations and assess the condition of hoses in order to identify when they need to be replaced. Cat Inspect is a helpful tool that enables you to record your machine's performance and detect potential issues before they become major problems. By working closely with your Cat dealer, you can obtain valuable information about the state of your hoses, which will help you determine when maintenance is necessary and prevent unexpected downtime. By using the Cat Inspect app to scan the tracking ID code on the bottom of the label and inputting notes, photographs, and other data pertaining to the hose's condition, you can stay on top of your machine's hose life cycle. This will, in turn, improve uptime, decrease repair expenses, and ultimately increase overall efficiency with the help of long-term predictive analytics.



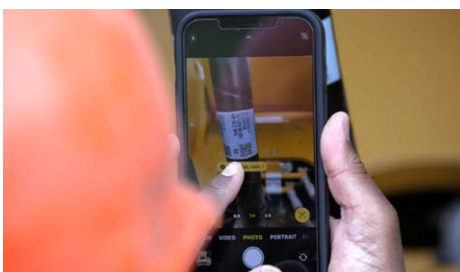
**LABEL-** Hose assemblies are labeled with unique tracking identification using QR codes. Use Cat® Inspect to match Tracking ID to equipment serial numbers.



**INSPECT-** Record observations, evaluate hose conditions, provide recommendations. Proactively replace damaged hose(s).



**TRACK-** Analyze trends on hose lifecycle. Long term predictive analytics to replace hose(s) before failure.



### 1 LABEL, 2 SOLUTIONS

The Cat hose label is revolutionizing how hydraulic hose assemblies are managed and purchased. It eliminates the guesswork of ordering the right hose and provides a convenient way to track your hose health. With the scan-to-manage feature, you can easily monitor the condition of your hydraulic hose and the scan-to-buy feature allows you to quickly purchase a replacement when needed. This innovative label is the perfect solution for your Cat machine's hydraulic system, allowing you to save time and money.

# DO-IT-MYSELF SOLUTIONS

Prefer to do-it-yourself? Assemble your own replacement hose on site in your own shop. Your Cat dealer will provide all the parts inventory, tooling and training your crew needs to turn out top-quality hose assemblies for your entire fleet, regardless of brand. Choose from four levels of crimping capacity, assembly technology and portability to suit the skills of your people and the needs of your operation.

## **BRONZE Crimping up to 1.25" (32 mm) –**

Covers basic requirements for smaller equipment and can be easily transported to your jobsite.



## **SILVER Crimping up to 3" (76 mm) –**

Offers comprehensive coverage for your replacement hose assembly needs.



## **GOLD Crimping up to 3" (76 mm) –**

Includes a computer-controlled hose press with guided menus for easy operation and set up. Final crimp specifications are recorded for added safety and traceability



## **PLATINUM Crimping up to 4" (102 mm) –**

Our full-service offering includes Cat Crimputer Control, ideal for servicing large mining equipment or producing a large volume of hose assemblies.



# MOBILE SOLUTIONS\*

When time is short, it's good to know you can rely on your Cat dealer's Mobile Hydraulic Hose Service, where available, to get you back to work quickly. With a well-stocked mobile hose assembly vehicle and available hose experts, you can count on fast responses that will get any machine in your fleet up and running again.

\*Cat Hose Service Solutions are expanding daily.

Please contact your Cat dealer for more information about availability in your area.



# JOBSITE SOLUTIONS

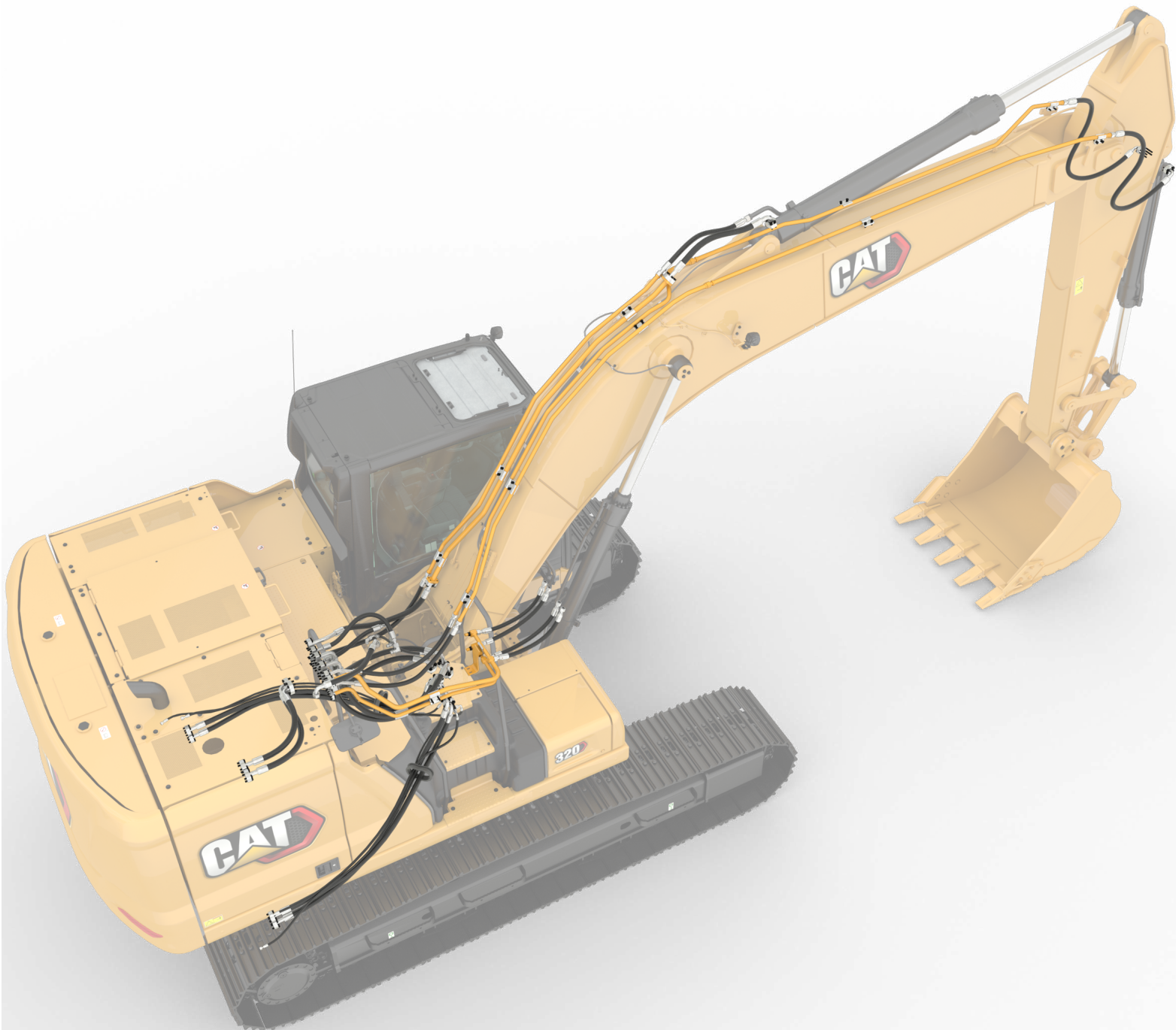
For the most time-sensitive applications, your Cat dealer will place a full hose shop container directly at your jobsite. Ideal for mine sites, large construction projects and remote locations, these fully equipped container solutions are tailored to your operation. They get disabled equipment back to work quickly and help to keep every machine in your fleet, regardless of brand, running at peak performance.

## **SOLUTIONS THAT ARE EXCELLENT FOR YOUR ENTIRE FLEET**

Mining, earthmoving, excavation, forestry and compact machines can all benefit from Cat hose and couplings. Our product line is designed for a broad spectrum of applications, ranging from channeling high-pressure fluids to low-pressure applications like fuel or brake lines in any brand of machine.

## **DISCOVER THE VALUE OF USING CAT COMPONENTS**

Whether you have 1 machine or 100, whatever your equipment or application, make Cat hydraulic hose assemblies your preferred connection. From expertise, design, manufacturing and testing, to unmatched dealer support, the difference is in the details. And the performance is for the long run.





# MORE THAN PARTS AND COMPONENTS

When you need a hose assembly, you need it now. That is why your Cat dealer is uniquely skilled to perform the assembly and installation. Trained dealer technicians use the latest tooling, assembly information, routing standards, inspection techniques and contamination control processes to get your machines up and running-quickly and reliably.



## CUSTOMER VALUE AGREEMENTS

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Cat Customer Value Agreements (CVAs) are a one-stop solution to keep your machine easy to own and ready to work. CVAs also offer an Equipment Protection Plan and key machine insights right on your phone.

## FINANCING & EXTENDED PROTECTION

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Cat Financial offers tailored financing options for your business such as buying equipment, protecting investments beyond the standard warranty, and using equipment equity to drive business growth. Plus, you can manage your online account anywhere, any time and using any device.

## CAT FILTERS & FLUIDS

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From unique design to proven results, Cat filters and fluids deliver enhanced protection for your Cat equipment.

## HYDRAULIC PUMPS & MOTORS

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Precisely matched to your machine specs, Cat Pumps and Motors protect your productivity and profits.

## HYDRAULIC CYLINDERS & RODS

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Cat Hydraulic Cylinders and Rods can help protect the muscles of your machine by increasing productivity and part life.

## PROTECT AND MAINTAIN YOUR MACHINE'S COMPONENTS

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Cat dealers hate downtime as much as you do. They offer maintenance planning, repair services, protection plans and an inventory of same-day parts to keep you up and running. When you partner with your local Cat dealer you will have the right parts and services solutions customized to your equipment and operation.



# GENUINE CAT PARTS SUPPORTED BY CAT DIGITAL TECHNOLOGY

Promoting a more personalized and intuitive user experience, Caterpillar has multiple apps to help you order parts and access general support resources, freeing up the time to focus on the job at hand.

## **PARTS.CAT.COM**

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Order genuine Cat parts, scan and shop your asset instantly, and find answers to maintenance and parts questions. Plus, get parts when you need them most with dealer pickup and delivery options.

## **CAT INSPECT**

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Access your equipment data on your mobile device. This easy-to-use app lets you capture inspection data and integrates with your other Cat data systems, so you can keep a close eye on your fleet.

\*Use Cat Inspect App camera to scan the hose Tracking ID

## **CAT PRODUCT LINK™ AND VISIONLINK®**

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Product Link™ collects data automatically from your assets – any type and any brand. Access information anytime, anywhere with VisionLink® – and use it to make informed decisions that boost productivity, lower costs, simplify maintenance and more. Satellite and/or cellular subscriptions are available.

## **EASY TO USE CODES**

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Ordering the right hose for your machine is easy with the shopping QR code on the hose label! Look for the code with the shopping cart icon, then use your smart device's camera to scan the code, taking you directly to the part number page on Parts.Cat.com. Once you have added the item to your cart, finalize your purchase by indicating whether you want it delivered or picked up from your local Cat dealer - it is that easy! By scanning the QR code, you will save time and money, and you will know that you are getting the right hose for your machine every time.





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**CAT DEALERS DEFINE  
WORLD-CLASS  
PRODUCT SUPPORT.**

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

Materials and specifications are subject to change without notice.

Featured machines in photos may include additional equipment.

See your Cat dealer for available options.