



Operation and Maintenance Manual

980G Wheel Loader

2KR 1-UP (980G)
9CM 1-UP (980G)
2SR 1-UP (980G)



Scan to find and purchase genuine Cat® parts and related service information.



Important Safety Information

Most accidents that involve product operation, maintenance and repair are caused by failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing potentially hazardous situations before an accident occurs. A person must be alert to potential hazards, including human factors that can affect safety. This person should also have the necessary training, skills and tools to perform these functions properly.

Improper operation, lubrication, maintenance or repair of this product can be dangerous and could result in injury or death.

Do not operate or perform any lubrication, maintenance or repair on this product, until you verify that you are authorized to perform this work, and have read and understood the operation, lubrication, maintenance and repair information.

Safety precautions and warnings are provided in this manual and on the product. If these hazard warnings are not heeded, bodily injury or death could occur to you or to other persons.

The hazards are identified by the "Safety Alert Symbol" and followed by a "Signal Word" such as "DANGER", "WARNING" or "CAUTION". The Safety Alert "WARNING" label is shown below.



The meaning of this safety alert symbol is as follows:

Attention! Become Alert! Your Safety is Involved.

The message that appears under the warning explains the hazard and can be either written or pictorially presented.

A non-exhaustive list of operations that may cause product damage are identified by "NOTICE" labels on the product and in this publication.

Caterpillar cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are, therefore, not all inclusive. You must not use this product in any manner different from that considered by this manual without first satisfying yourself that you have considered all safety rules and precautions applicable to the operation of the product in the location of use, including site-specific rules and precautions applicable to the worksite. If a tool, procedure, work method or operating technique that is not specifically recommended by Caterpillar is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that you are authorized to perform this work, and that the product will not be damaged or become unsafe by the operation, lubrication, maintenance or repair procedures that you intend to use.

The information, specifications, and illustrations in this publication are on the basis of information that was available at the time that the publication was written. The specifications, torques, pressures, measurements, adjustments, illustrations, and other items can change at any time. These changes can affect the service that is given to the product. Obtain the complete and most current information before you start any job. Cat dealers have the most current information available.



When replacement parts are required for this product Caterpillar recommends using Cat replacement parts.

Failure to follow this warning may lead to premature failures, product damage, personal injury or death.

In the United States, the maintenance, replacement, or repair of the emission control devices and systems may be performed by any repair establishment or individual of the owner's choosing.

Table of Contents

Foreword	4	Monitoring Systems and Operator Station Features	29
Safety Section		Controls	50
Safety Messages	6	Before Starting Engine	64
General Hazard Information	10	Engine Starting	66
Crushing Prevention and Cutting Prevention..	12	Operation	70
Burn Prevention	13	Operating Techniques	72
Fire Prevention and Explosion Prevention	14	Adjustments	77
Fire Extinguisher Location	17	Parking	79
Tire Information	17	Transportation Information	81
Electrical Storm Injury Prevention	18	Towing Information	86
Mounting and Dismounting	18	Maintenance Section	
Before Starting Engine	19	Tire Inflation Information	87
Engine Starting	19	S·O·S Fluid Analysis	88
Before Operation	19	Lubricant Viscosities and Refill Capacities	91
Operation	19	Maintenance Support	97
Engine Stopping	20	Maintenance Interval Schedule	98
Parking	20	Reference Information Section	
Equipment Lowering with Engine Stopped	21	Reference Materials	153
Sound Information and Vibration Information .	21	Index Section	
Operator Station	23	Index	155
Product Information Section			
General Information	24		
Identification Information	27		
Operation Section			