

Operation and Maintenance Manual

216B3 and 226B3 Skid Steer Loader

SL3 1-UP (216B3) F3D 1-UP (226B3)





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.

⚠ WARNING

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.

Product Information Section

lable of Contents	General Information	41
Foreword4	Identification Information	57
Safety Section	Operation Section	
Safety Messages (Work Tools)6	Before Operation	69
Safety Messages14	Machine Operation	71
Additional Messages22	Engine Starting	.118
General Hazard Information24	Operation	.119
Crushing Prevention and Cutting Prevention 27	Parking	131
Burn Prevention27	Transportation Information	135
Fire Prevention and Explosion Prevention 28	Towing Information	148
Fire Safety31	Engine Starting (Alternate Methods)	149
Fire Extinguisher Location	Maintenance Section	
Electrical Storm Injury Prevention	Maintenance Access	151
Before Starting Engine 32	Lubricant Viscosities and Refill Capacities	158
Visibility Information	Maintenance Support	165
Engine Starting33	Maintenance Interval Schedule	172
Before Operation33	Reference Information Section	
Operation	Reference Materials	229
Work Tools34	Index Section	
Demolition 34	Index	238
Parking 34		
Slope Operation35		
Equipment Lowering with Engine Stopped 35		
Sound Information and Vibration Information . 35		
Guards (Operator Protection)		