SAFETY MANUAL, MOTOR GRADER
FOR OPERATING AND MAINTENANCE PERSONNEL

This manual is intended to illustrate only basic safety procedures. Additional precautions may be necessary for the safe operation of motor graders. The information contained in this manual is not intended to replace safety codes, rules and regulations.

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FORword

SafetY of the operator and maintenance personnel for motor graders is of prime concern. This Safety Manual is designed to present situations which exemplify some of the daily work problems encountered by the operator and other personnel.

It is the responsibility of the operator to know what specific requirements, precautions and work area hazards exist, and to discuss these with his foreman or supervisor. A common understanding should be reached by all personnel to assure safe performance in operating the equipment.

The operator is the key to safe job performance and should study this safety manual to be aware of basic safety precautions to help prevent serious injury and damage to property. This manual is presented as a helpful guide to construction equipment personnel.

stop accidents before they stop you!
A WORD TO THE OPERATOR

The safest machine must still be operated with care and with knowledge of its performance capabilities. The most comprehensive safety program must still be followed. So the man who has the ultimate responsibility is the operator. You!

READ THIS MANUAL, AND THE MANUFACTURERS’ MANUALS, COVERING YOUR SPECIFIC MOTOR GRADER. STUDY THEIR PRECAUTIONS. READ THE WARNING PLATES ON YOUR MACHINE. PRACTICE SAFE OPERATION. INSIST THAT YOUR FELLOW WORKERS DO, TOO. BE ALERT TO POSSIBLE HAZARDS BEFORE THEY CAUSE TROUBLE, AND REMEMBER...

Safety is up to you!
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**SAFETY IS-FORESIGHT**
- Know your employer’s safety program
- Dress properly for the job
- Understand your grader - Know your area
- Personal dress
- Know all signals and traffic rules
- Emergencies
- Be safety-conscious

**BEFORE STARTING-CHECK**
- Check grader and attachments - Walk-around
- Avoid problems
- Fueling - Coolant check
- Clean-up for safety
- Report necessary repairs
- Check the area

**STARTING**
- Mount carefully
- Start correctly
- Starting procedure
- Cold weather starting

**OPERATING GRADER - SAFELY**
- A few tips to live by!
- Remember the rules of the road
- Clutch and shift correctly to retain control

**SHUT DOWN-WITH CAR**
- Parking precautions
- Shutdown procedure
- Dismount carefully

**SERVICE AND REPAIR - CAREFULLY**
- Read and understand
- Warning tags
- Clothing - safe practice
- Work area - Equipment
- Blocking equipment
- Fire hazards
- Pressurized systems’ - Heavy parts
- Hydraulic system - Electrical system
- Brakes

**TIRE SAFETY**
- Pressure points
- Use quality parts
- Tire mounting tips
SAFETY IS- FORESIGHT

know your employer’s safety program

- Safety records show that a great percentage of accidents are caused by disregard of simple safety rules. (1)
- Know and observe the overall program - consult your foreman for specific instructions when starting a job.
- The best safety device is an alert informed operator!

dress properly for the job

- You may need any number of special items - safety hat, safety shoes, goggles, heavy gloves, ear protective devices, etc. - for your own protection.
- Find out what items are required and wear them.
understand your grader

- Read the manufacturer's operating manual. Know the capabilities of your equipment - and its limitations. Become thoroughly familiar with all controls, gauges, instruments, changes. (3)
- If your grader is equipped with protective devices, USE THEM. Work slowly and carefully until accustomed to the equipment.
- TAKE YOUR TIME - NOT YOUR LIFE!

know your working area

- Learn - beforehand - as much about your working area as possible:
  - Surface condition.
  - Holes, obstructions, mud or ice.
  - Heavy traffic and traffic pattern.
  - Thick dust, smoke, fog.
- Eliminate the element of surprise - you'll have fewer emergencies. (4)