



**NOTE: Parts are no longer available for this tool.**

**The manual will continue on the next page.**



# INSTRUCTIONS



## For

**504, 504T, A504, A504T, B504, B504T, C504, C504T, D504, D504T,  
505, 505T, A505, A505T, B505, B505T, C505, C505T, D505, D505T,  
507, 507T, A507, A507T, C507, C507T, D507, and D507T**

**Vertical Air Grinders**

**Sanders and Wire Brush**

### GENERAL INSTRUCTIONS

Before placing the tool in operation, the foreman and operator is cautioned to study and FOLLOW all instructions with special emphasis on safety (refer to "Important Safety Requirements"). The foreman and safety director must be acquainted with and follow the requirements of the applicable Section of the A.S.A. Safety Code B7.1 latest edition.

### AIR SUPPLY

Grinders are designed to operate on clean moisture free air at a pressure of 90 p.s.i. at the tool with filter, pressure regulator and lubricator in the air line. If the lubricator is eliminated, the oil chamber in the tool must be filled daily. Air hose should not be less than 1/2" I.D. Quick couplers, if used should be 1/2" size. Before connecting tool, blow the air line to remove water and dirt. This is especially important for a new line or one which has not been sed for a time.

### LUBRICATION

The air motor is lubricated with an air line lubricant designed to prevent rust and supply adequate lubrication. Our Cat. No. 288 oil is excellent. Adjust oiler to 3 to 4 drops per minute. If the air line lubricator is not used, fill oil reservoir daily.

After 40 hours of use, inject 3 to 4 shots of grease (our Cat. No. 1232) through the grease fittings with grease gun supplied. See "maintenance" for additional instructions.

### OPERATION

Grind steadily without excessive slowing down of the grinder to prevent wheel damage which could result in breakage. Grind at as uniform load speed as possible to prevent excess wear, especially on governor parts. A dropped or severely bumped wheel must be correctly examined before reusing. Do not drop the end of the hose on a floor where it will pick up dirt and transport it into the tool, causing excessive wear and governor sticking. Provide a stand for holding the grinder when not in use.

### OVERSPEEDING

If overspeeding occurs, the grinder **MUST BE REPAIRED** and **WORN PARTS REPLACED**. (**GRINDERS MUST BE CHECKED DAILY WITH A TACHOMETER**).

### SAFETY

See "General Instructions" and "Important Safety Requirements."

### MAINTENANCE

Grinders must be serviced at definite intervals for safe operation and lowest operating cost. Dismantle after 100 hours of use. If little wear is shown, the time may be extended. Mechanics must be qualified, work in clean areas, recognize worn parts and the need of moving parts to be lubricated. Pack a liberal amount of Sioux No. 1232 grease around governor and levers. The use of Sioux Authorized Service Stations is recommended.

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**SIOUX CITY, IOWA, U.S.A. 51102**

This pdf incorporates the following model numbers:

504, 504T, A504, A504T, B504, B504T, C504, C504T, D504, D504T,  
505, 505T, A505, A505T, B505, B505T, C505, C505T, D505, D505T,  
507, 507T, A507, A507T, C507, C507T, D507, D0507T