



National Detroit, Inc.

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**MODEL 300
300A
600**

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GENERAL INSTRUCTIONS ON INSTALLATION AND OPERATION

MODEL 300, 300A, 600 NATIONAL DETROIT SANDERS

Air Tools should be operated on an air line equipped with a regulator and filter. 1/4" I.D. air hose may be used in lengths up to 25'. If longer lengths are to be used 5/16" I.D. is recommended. Attach air hose to air inlet on left, as faced from rear. The Models 300, 300A and 600 are equipped with a water spray. When it is to be used with water, a 1/4" I.D. water hose may be attached to right hand inlet. The water pressure should be adjusted at the source.

Air motors operate more efficiently on clean dry air. The air filter should be drained at least once a day. Operating pressure 60 to 100 pounds. The paper holders on all National Sanders are made to accommodate maximum paper loads. However, overloading, particularly with the finer grits, is false economy as the cutting efficiency of the bottom sheets is greatly impaired long before they are brought into use. Practical experience will determine the proper load depending on the grit used, and the type of operation involved. Models 300 and 300A, should the sander fail to start when the trigger is depressed, press the push pins located in shuttle valve plugs on either side of DP 1139 valve head sub-assembly.

Air motors require lubrication. The Models 300, 300A and 600 are driven by a piston type motor and require lubrication. The sander, when in Constant use, should be operated on an air line equipped with a fog type lubricator. The lubricator should be set to administer approximately 1 drop every 5 minutes. If the use of the machine is Intermittent, the machine may be lubricated manually by the addition of several drops of oil through the air intake. (Use a light bodied oil containing a rust inhibitor). i.e. "3 in One" or "Finol". When a machine is to be manually lubricated be certain to run a small amount of oil through it before over night or week-end idleness. CAUTION: Do not over lubricate the sander as the excess will be discharged onto the surface being sanded.

**CAUTION: READ AND OBSERVE THE ENCLOSED WARNINGS
AND SAFETY RULES FOR SAFE OPERATION.**