
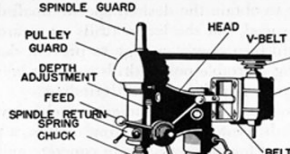
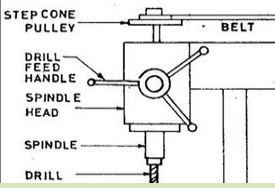

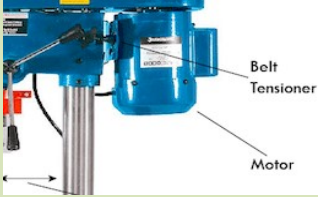



AUTONOMOUS MAINTENANCE PROCESS

Make		<div>DAILY</div> <div>MONTHLY</div> <div>ANNUALLY</div>		
Model				
S/N				
Equip	Drill machine			
Sr. No.	Activity / Check List		Responsibility	Instructions
1	Area of Operation		Operator	Machine and area around the machine is clean safety covers are in good condition
2	Lubrication	Arm Raising Gear Box	Operator	Check the lubrication is working properly and also ensure the level of oil
3		Head stock	Operator	
4		Arm Elevating Screw	Operator	
5	Spindle Traverse		Operator	Check the spindle traverse handles are in right position. Inspect the direction of rotation. Ie. Clockwise and anti clock wise
6	Arm, Slide and Radial lock		Operator	Check the locking of the unit

7	Spindle Movement		Operator	Check the spindle movement and rotation
8	Power feed		Operator	Check the connections are secure and there is no looseness
9	Gear Shifting		Operator	Check the gear shifting is correct and there is no abnormality during the gear shifting
10	Main Motor Drive		Operator	Check if the drive belts are not loose or broken. Run the motor and listen for any abnormal noises.
11	Air Unit		Operator	Check the pressure against the recommended pressure
12	Pressure gauge		Operator	Is the gauge operating correctly and of sufficient capacity
13	Arm Elevating Clutch		Maintenance	Check the condition of the clutches, if necessary carryout the proper lightening.
14	Coolant Unit / General		Maintenance	Clean Filter, Check the pumps, Inspect the impeller for water flows. Check the safety guards are in positioned.
15	Lubrication Unit		Maintenance	Clean the suction filter, Clean the oil filter port, Lubricate the balance chain. Check the piping for any leakage, cloggind and crushed area.
16	Hydraulic Pump		Maintenance	Check the pump and pressure flow. Clean the tank and filters. Clean or replace if necessary

17	Foundation	Maintenance	Check machine is level and foundation bolts are all correctly tightened.
18	Electrical control cabin	Maintenance	Check the condition of the terminals, check the contactors and relays. Check the components for discolouration, fouling and heating effect.
19	Sensor and solenoid Valves 	Maintenance	Check the proper working of the valves. Rectify/ Replace in case of any issues.