General 15” Drill Press

Description | General 15” Drill Press – Model 340
Size / Horse power | 15” / 3/4 HP 460 - 4910 RPM
Power source | 115 volt through power cord
Uses | Drilling/Boring holes into various material (metal, wood, plexiglas, plastic)

Safety Precautions

Hazards
Flying debris (potential eye damage)
Electrical shock
Abrasions
Entanglement of hair or clothing

Training
Shop Safety Fundamentals
Site Specific Training

Protective Equipment
Safety glasses
Hearing protection
Avoid loose fitting clothing
Tie back long hair

Operation

Startup
1. Put on PPE listed above
2. Ensure work area is clean and free of obstacles
3. Make necessary adjustments for safe operation
4. Inspect the tool for damage or obstructions to operation
5. Place material so that it is resting against the left side of the column to prevent material from spinning or securely fasten material to the table
6. Make sure the drill chuck is tightened down on the drill bit and the chuck key has been removed
7. Turn on the drill press by pressing the ON button
8. Begin work
9. Slowly feed drill bit towards material, avoid feeding material too quickly or to slowly
10. Keep hands clear of drill bits

Shutdown
1. Turn off the drill press by pressing the OFF button
2. Allow the chuck to come to a complete stop on its own
3. Remove work piece for table top

Table Adjustments
Raise and Lower:
1. Loosen the table locking handle and adjust table to desired height
2. Tighten table locking handle to secure table
Depth Stop Adjustment
1. To stop the drill at a specific depth for consistent and repetitive drill, loosen the depth scale lock nut located on the depth screw
2. Scale the depth of the hole on the depth screw
3. Set the lower locknut at the required dimension
4. Tighten the other locknut against the first one, the chuck will stop after traveling downward to the distance selected

Changing Spindle Speeds – Performed by Authorized Personnel Only
1. Open the drill press pulley cover
2. Loosen the belt tension knobs on both sides of the drill press head
3. Pull the motor toward the drill press head
4. Set the belt on the desired steps of the motor and the spindle pulley according to the belt positions on the spindle speed chart
5. Pull the motor away from the drill press head to increase the belt tension. Tighten the tension knobs
6. The belt should be tight enough to prevent slippage. Correct tension is set if the belt flexes about 1/2” when thumb pressure is applied at the midpoint of the belt between the pulleys

Maintenance
<table>
<thead>
<tr>
<th>Storage</th>
<th>Design – Room 0020</th>
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<tbody>
<tr>
<td>Care</td>
<td>Clean off drill press after you are done using</td>
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<td></td>
<td>Periodically apply a light film of oil to the quill and column. This will reduce wear, prevent rust, and assure ease of operation</td>
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<td>Check that bolts are tight and electrical cords are in good condition</td>
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<tr>
<td>Accessories</td>
<td>Chuck Key</td>
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