

2. Move equipment speed control to idle position.
3. Turn idle screw to obtain 1750 RPM minimum.
4. Then turn idle mixture screw clockwise slowly until engine begins to slow.
5. Then turn screw opposite direction until engine just begins to slow.
6. Then turn screw back to midpoint (Figure 39).

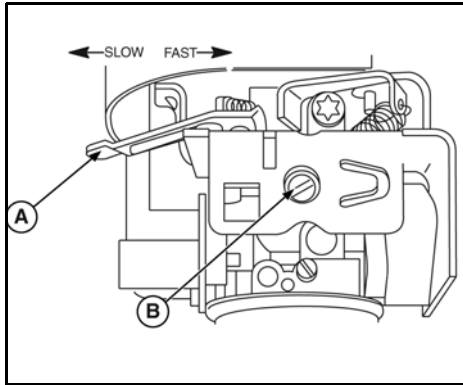


Figure 39

7. Install limiter cap (if equipped) on idle mixture screw (Figure 40).

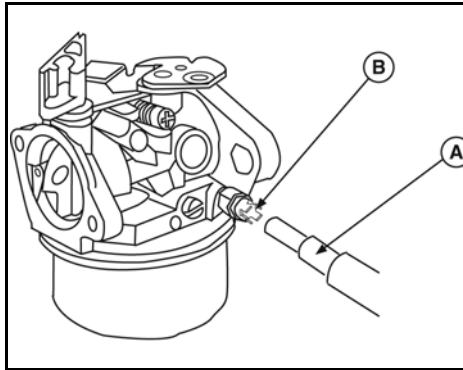


Figure 40

8. Move equipment speed control from idle to high speed position.
9. Engine should accelerate smoothly. If it doesn't, open idle mixture screw 1/8 turn open.

Adjust Valve Clearance

All Models - Except Vertical Models 110000, 120000 Early Production

NOTE: Check valve clearance while the engine is cold.

1. Turn crankshaft counterclockwise until piston is at top dead center on the compression stroke. This prevents the compression release from holding the valves open.
2. Insert a narrow screwdriver or rod into the spark plug hole as a gauge, then slowly turn crankshaft counterclockwise until the piston has moved down the bore by 1/4" (6mm).
3. Using a feeler gauge (**A**, Figure 41), adjust rocker nut to obtain the clearance as listed in Section 12 - Engine Specifications.
4. Hold rocker nut and tighten the rocker ball setscrew (**B**) to the torque value shown in Section 12 - Engine Specifications.
5. Check clearance again and re-adjust, if necessary.
6. Repeat for other valve.

NOTE: On some models, the nut and setscrew are positioned above the push rod ends.

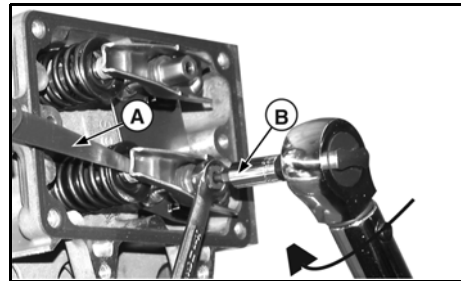


Figure 41

Vertical Models 110000, 120000 Early Production

1. Using a feeler gauge (**A**, Figure 42) adjust the locking hex nut (**B**) to obtain the correct clearance as listed in Section 12 - Engine Specifications.
2. Repeat for other valve.

1

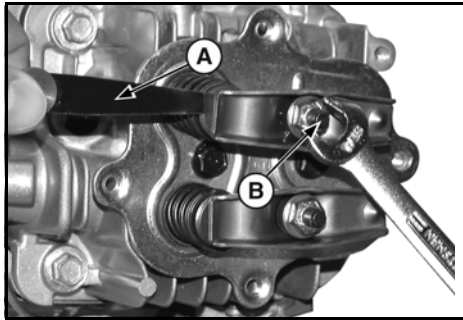


Figure 42

- OR -

1. Loosen jam nut (**A**, Figure 43) at base of rocker arm stud. Then, using a feeler gauge (**B**), turn rocker arm screw (**C**) to obtain the correct clearance as listed in Section 12 - Engine Specifications.
2. Hold the screw and tighten the jam nut to value shown in Section 12 - Engine Specifications.
3. Check clearance again and re-adjust, if necessary.

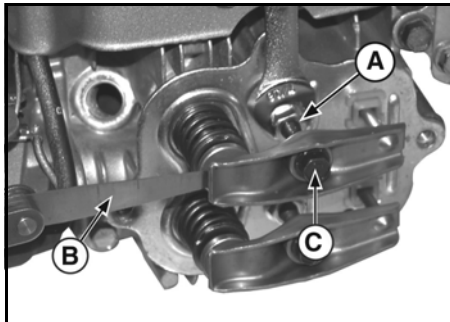


Figure 43