

## ***HW MAINTENANCE***

### **HARD STARTING (HOT/COLD)**

**Before performing maintenance on any unit, always disconnect and ground spark plug wire.**

- A. Blade Drive Belt
  - 1. Out of adjustment (adjust belt according to instructions in section 17.2 in operator manual).
- B. Engine Valve Clearance
  - 1. Check clearance (Intake 0.004-0.006 Exhaust 0.009-0.011) performed engine cold ¼ inch past top dead center on the compression stroke.
- C. Spark Plug Gap
  - 1. Set gap at 0.020

### **ENGINE OIL CHANGE**

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- A. Draining Oil
  - 1. There are 2 methods for removing oil from the engine.
    - a. Remove gas run out or drain, remove dipstick and rotate unit over on the right side and drain oil out dipstick tube.
    - b. Drain plug on bottom side of engine using a 3/8 square drive.  
NOTE: On later models with the inertia plate and pulley combination the drain plug is inaccessible on the bottom.
- B. New Oil
  - 1. Operating above 40 degrees use SAE 30 and for below 40 degrees use 10W30.