

### ⚠ WARNING!

Before servicing, repairing or inspecting the snow thrower, disengage the auger control lever. Stop the engine and remove the safety key to prevent unintended starting.

## Troubleshooting

### Engine Fails to Start

- Choke not in CHOKE position.
  - Move choke to CHOKE position. See Engine Operator's Manual.
- Spark plug wire disconnected.
  - Connect wire to spark plug. See Engine Operator's Manual.
- Fuel tank empty or stale fuel.
  - Fill tank with clean, fresh fuel. See Engine Operator's Manual.
- Engine not primed.
  - Prime engine as instructed in Engine Operator's Manual.
- Faulty spark plug.
  - Clean, adjust gap or replace. See Engine Operator's Manual.
- Safety key not in switch.
  - Insert safety key fully into switch.
- Extension cord not connected when using electric start button.
  - Connect one end of extension cord to electric starter outlet and other end to a three-prong 120V, grounded, AC outlet. See Engine Operator's Manual.

### Engine Running Erratically/Inconsistent RPM (Hunting or Surging)

- Engine running on CHOKE.
  - Move choke lever to RUN position. See Engine Operator's Manual.
- Stale fuel.
  - Fill tank with clean, fresh fuel. See Engine Operator's Manual.
- Water or dirt in fuel system.
  - Drain fuel tank. Refill with fresh fuel. See Engine Operator's Manual.
- Carburetor out of adjustment.
  - Contact an authorized Service Center.
- Engine over-governed.
  - Contact an authorized Service Center.

### Engine Overheats

- Engine oil level low.
  - Fill engine with proper amount of engine oil.

### Excessive Vibration

- Loose parts or damaged auger.
  - Stop engine immediately and disconnect the spark plug wire. Check for possible damage. Tighten all nuts and bolts. Repair as needed. If the problem persists, contact an authorized service center.

### Unit Fails to Propel Itself

- Drive control cable in need of adjustment.
  - Adjust drive control cable. Refer to Drive Control on page 20.
- Drive belt loose or damaged.
  - Replace drive belt. Contact an authorized Service Center.
- Friction wheel worn.
  - Replace friction wheel. Refer to Service section on page 21.
- Drive tracks in need of adjustment.
  - Contact an authorized Service Center.

### Unit Fails to Discharge Snow

- Chute assembly clogged.
  - Stop engine immediately and disconnect spark plug wire. See Engine Operator's Manual. Clean chute assembly and inside of auger housing with clean-out tool. Refer to Cleaning a Clogged Chute Assembly on page 17.
- Foreign object lodged in auger.
  - Stop engine immediately and disconnect spark plug wire. See Engine Operator's Manual. Remove object from auger with clean-out tool. Refer to Cleaning a Clogged Chute Assembly on page 17.
- Auger control cable in need of adjustment.
  - Refer to Auger Control on page 12.
- Auger belt loose or damaged.
  - Refer to Auger Belt Replacement on page 21.
- Shear pin(s) sheared.
  - Refer to Replacing Shear Pins on page 17.

### Chute fails to easily rotate 180 degrees

- Chute assembled incorrectly.
  - Unassemble chute control and reassemble as directed in the Assembly & Set-up section.

### Unit Plows Snow Instead of Blowing It

- Low/slow ground speed in wet/slushy snow 1-3" in depth.
  - Increase ground speed and always operate snow thrower engine at FULL throttle. Refer to Cleaning a Clogged Chute Assembly on page 17.
- Shear pin(s) sheared.
  - Refer to Replacing Shear Pins on page 17.

### Overhead Chute Crank Does Not Stay Stationary While Throwing Snow

- Insufficient preload applied to chute control.
  - Refer to Chute Assembly on page 20.

## Maintenance

### Engine

Refer to Engine Operator's Manual.

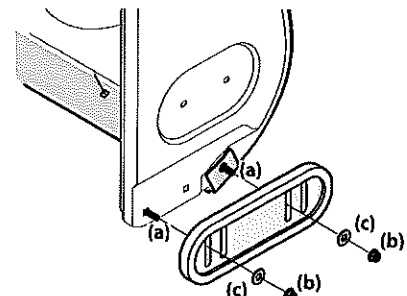
### Shave Plate & Skid Shoes

The shave plate and skid shoes on the bottom of the snow thrower are subject to wear. They should be checked periodically and replaced when necessary.

**NOTE:** Deluxe skid shoes (on select models) have two wear edges. When one side wears out, they can be rotated 180° to use the other edge.

#### To remove skid shoes (Deluxe shown):

- Remove four carriage bolts (a) and hex flange nuts (b) and flat washers (c) which secure them to the unit.
- Rotate and reassemble new skid shoes with four carriage bolts (a) (two on each side) and hex flange nuts (b) and flat washers (c). Refer to Figure 4-1.



**NOTE:** Augers not shown for clarity

Figure 4-1