

WARNING

POTENTIAL HAZARD

- Gasoline is extremely flammable, highly explosive and under certain conditions can cause personal injury or property damage.

WHAT CAN HAPPEN

- Tipping the mower may cause fuel leakage from the carburetor or fuel tank.

HOW TO AVOID THE HAZARD

- Avoid fuel spills by running the engine dry or removing gas with a hand pump; never siphon.

- Tip the mower on its left side (Fig. 28).
- Remove dirt and grass clippings with a hardwood scraper. Avoid burrs and sharp edges.

IMPORTANT: Move the blade as little as possible to avoid future starting problems.

- Turn the mower upright.
- Refill the gas tank.
- Connect the spark plug wire (Fig. 17).

Cleaning Under the Belt Cover

Self-propelled Models Only

Keep area under belt cover free of debris.

- With the engine turned off, remove the two bolts securing the belt cover (Fig. 19) to the mower housing.
- Lift off the cover and brush out all debris from the belt area.
- Install the belt cover.

Troubleshooting

Your mower was designed and built for trouble-free operation. Check the following components and items carefully. If a problem continues, see your Authorized Toro Service Dealer.

| PROBLEM | CORRECTIVE ACTION |
|--------------------------------------|---|
| Engine will not start | <ol style="list-style-type: none"> Fill fuel tank with fresh gasoline Move throttle lever to the FAST position Press primer three (3) times Spark plug <ul style="list-style-type: none"> Connect spark plug wire Clean spark plug, check spark plug gap, replace if damaged |
| Engine starts hard or loses power | <ol style="list-style-type: none"> Drain and refill fuel tank with fresh gasoline Replace air filter element Clean underside of mower deck Clean spark plug, check spark plug gap, replace if damaged Check engine oil |
| Engine runs rough | <ol style="list-style-type: none"> Connect spark plug wire Clean spark plug, check spark plug gap, replace if damaged Move throttle lever from SLOW to FAST position Replace air filter element |
| Mower or engine vibrates excessively | <ol style="list-style-type: none"> Balance blade. Or if blade is bent, straighten it. Tighten blade mounting bolt Clean underside of mower deck Tighten engine mounting bolts |

| PROBLEM | CORRECTIVE ACTION |
|------------------------|---|
| Uneven cutting pattern | <ol style="list-style-type: none"> 1. Place all four (4) wheels at same height 2. Sharpen and balance blade 3. Change mowing pattern 4. Clean underside of mower deck |
| Discharge chute plugs | <ol style="list-style-type: none"> 1. Move throttle lever from SLOW to FAST position 2. Raise cutting height 3. Slow down 4. Allow grass to dry before mowing 5. Clean underside of mower deck |
| Will not self-propel | <ol style="list-style-type: none"> 1. Adjust self-propelled cable 2. Clean debris from under belt cover. |

Storage

To prepare the lawn mower for off-season storage, perform the recommended maintenance procedures. Refer to the Maintenance section, page 11.

Store the mower in a cool, clean, dry place. Cover the mower to keep it clean and protected.

Fuel

WARNING

POTENTIAL HAZARD

- Gasoline can vaporize if stored over long periods of time.

WHAT CAN HAPPEN

- Vaporized fuel can explode if it comes into contact with open flame.

HOW TO AVOID THE HAZARD

- Do not store gasoline (fuel) over long periods of time.
- Do not store mower with fuel in the tank in an enclosure with an open flame. (Example: a furnace or water heater pilot light.)
- Allow the engine to cool before storing in any enclosure.

We recommend Toro Fuel Conditioner to stabilize fuel for storage. If possible, the last fuel fill of the year should be treated with Toro Fuel Conditioner.

Run the fuel tank empty when mowing the last time prior to storage. The smaller the amount of fuel in the tank, the shorter the time required to run the fuel system dry. Run

the mower until engine stops from lack of fuel, then prime it and restart again allowing it to run until it stops. When you can no longer start the engine, it is sufficiently dry.

Preparing the Engine

1. While the engine is still warm, drain oil from crankcase. Refer to the Changing Engine Oil section, page 12.
2. Remove the spark plug (Fig. 17).
3. Using an oil can, squirt about one tablespoon of oil through spark plug hole.
4. Slowly rotate the engine several times, using the starter rope, to distribute the oil.
5. Install spark plug but **do not** connect the spark plug wire.

General

1. Clean the mower housing. Refer to the Cleaning the Underside of the Mower Housing section, page 16.
2. Clean any dirt and chaff from the cylinder, cylinder head fins, and blower housing. Also remove grass clippings, dirt, and grime from external parts of the engine, shrouding, and top of the mower housing.
3. Check the condition of the blade. Refer to the Maintaining the Blade section, page 13.
4. Charge the battery; refer to Charging the battery, page 16.
5. Tighten all nuts, bolts, and screws.
6. Lubricate the wheels. Refer to the Lubricating the Self-Propel Drive section, page 15.