

MAINTENANCE

WARNING!

Before attempting any maintenance procedures on machine, stop on level surface, shut off machine and turn off LPG valve at tank.

ATTENTION!

Repairs and adjustments must be performed by authorized and trained personnel.

To keep machine in good working condition, simply follow the daily, weekly, and monthly maintenance procedures.

NOTE: Always record maintenance and service.

ATTENTION!

Always keep machine free from dust and lint; the engine is air cooled and for proper air flow to cool the engine, the recoil filter must remain clean.

DAILY MAINTENANCE (Every 4 Hours of Operation)

- 1 Check oil level (Use 10W30 oil only).
- 2 Clean recoil filter .
- 3 Check belt tension by pinching belt together. Belt should only depress 1/2" (13mm).
- 4 Clean all air filters by blowing out dust and dirt and/or washing the foam filters (recoil and carburetor pre- filter) with warm, sudsy water and rinsing clean. *(Be careful not to wet the paper carburetor filters.)* Be sure filters are clean and dry before use. Do not oil foam or filter .
- 5 Make sure all components are secure and tight.
- 6 Check pad daily (clean or replace).
- 7 Clean machine.
- 8 For Dust Control models, clean dust collection bag.

WEEKLY MAINTENANCE (Every 20 Hours of Operation)

- 1 Check oil level. Change oil and filters at 50 hours of operation. Use 10W30 Motor Oil or other no ash motor oils designed for use in propane engines. Use of non-recommended oil may void the engine warranty.

See Engine Owners Manual for complete servicing details

- 2 Inspect carburetor air filter by removing wing nut and over on top of carburetor. Replace if dry or deposits are present.
- 3 Check belt for tension. Tighten if loose. If worn, replace with proper belt. *(See "ADJUSTING BELT TENSION")*. Refer to parts schematic for size of belt required.
- 4 Inspect and tighten nuts and bolts on engine and frame.
- 5 Examine all propane hoses and connections for leaks or wear. Replace if necessary.
- 6 Grease wheels. Use white lithium grease only and use no more than 1 pump of grease. More grease than recommended will push seal and dust cover out, allowing dust and other foreign materials into the bearings, shortening the life of the wheel significantly.

MONTHLY MAINTENANCE (Every 80 hours of Operation)

- 1 Perform all daily and weekly services.
- 2 Torque the head bolts when engine is cold in a crisscross pattern as per engine manufacturers specifications *(See Engine Owners Manual)*.
- 3 Check valve clearance with cold engine as per engine manufacturers specifications *(See Engine Owners Manual)*.
- 4 Torque valve cover as per engine manufacturers specifications *(See Engine Owners Manual)*.
- 5 Inspect spark plug. Replace if necessary.
- 6 Change oil and oil filter.
- 7 Inspect fuel hoses for leak (repair as needed).
- 8 Wash undercarriage of machine to remove all dust and debris.
- 9 To ensure proper ventilation, remove engine cover and clean engine.
- 10 Replace air filter element and foam filter.

QUARTERLY MAINTENANCE (Every 250 Hours of Operation)

- 1 Perform all of the above maintenance procedures and have engine checked by an Authorized Service Center.
- 2 Check air gap in electronic ignition coil.
- 3 Check valves with engine cold.

NOTE: Consult Engine Manual for complete servicing and adjustments information.

LIFE OF MACHINE

- 1 Change oil regularly.
- 2 Clean recoil filter regularly.
- 3 Clean carburetor filter regularly.
- 4 Keep machine clean from dust and debris.

FUELSYSTEM

Adjustments for the air/fuel mixture must be made only by an Authorized Service Center. Improper adjustments can cause high levels of carbon monoxide emissions which may cause carbon monoxide poisoning or it can lead to engine damage.

- Idle speed is adjusting by turning adjustment screw on regulator.
- Fuel flow is adjusted by adjustment screw on carburetor spud-in.

CHANGING THE OIL

The manufacturer recommendations 10W30 oil.

- 1 Run engine for five minutes to warm oil.
- 2 Make sure machine is on level surface. Locate oil drain plug on rear of engine beside oil cap and remove by turning counter-clockwise with wrench.
- 3 Allow oil to run into pan under machine. Allow to completely drain.
- 4 Install drain plug and tighten drain plug by turning clockwise with wrench.
- 5 Slowly add one quart (946.3 ml) of 10W30 Motor Oil. Then check oil level with dip stick in oil fill cap. Add additional oil if necessary.
- 6 Replace oil-fill cap assembly. Hand tighten only.

ATTENTION!

Do not overfill and never run engine low on oil.

ATTENTION!

When checking oil, be sure cap is fully screwed out and free. Do not check oil by screwing cap in and then out again, this will give you a false reading.