



LAWNMOWER CHALLENGE

RULES/GUIDELINES

Definition:

A group 4 Lawnmower is a garden ride-on, wheel driven machine, with a chassis designed for an engine up to 18hp, designed to cut grass for domestic purposes.

Engine:

Engine Specifications accepted

Make	Model
Honda	GXV 340 Recoil
	GXV 340 Electric
	GX 340 Recoil
	GX 340 Electric
	GXV 390 Recoil
	GXV 390 Electric
Tecumesh	Enduro 113102
	Enduro 1142
Briggs and Stratton	Intek 21 Recoil
	Intek 21 Electric
Kohler	Command 12
Loncin	G340F Recoil
	G340FD Electric

Engines must be no more than 18hp

They can be alternatives to those mentioned, as long as they sit within the rules.

To check whether your Lawnmower is suitable please contact the office

1. The engine must be retained as close to the original position as possible
2. The engine orientation can be changed from vertical to horizontal and vice versa
3. Engines must remain as standard apart from the following:
 - a. The exhaust pipe and silencer may be altered or changed
 - b. The governor may be removed or disconnected
 - c. NO other alterations, modifications or 'blue printing' are allowed
4. ~~The fuel for any engine must be ordinary pump fuel and be free from any performance/power increasing additives. LPG is not acceptable.~~
4. **The fuel for any engine must be from the pump with no additives (premium E10 petrol is allowed)**
5. ~~Fuel tanks must be designed specifically as a fuel tank and must be no more than 4.5 litres in capacity~~
5. **Fuel tanks must be the original specification, fitted within the bonnet area.**
6. Any machine considered unsafe will not be allowed to continue racing.

Drive:

1. The intention is that, the original type of drive (belts, chains, gears or whatever), must be retained. Pulleys, gears etc, may be changed for bigger or smaller ones to alter ratios.
2. If the drive was originally through a chain case on the side of the mower, it must continue to be through the chain case on the original side.



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3. A gearbox may only be used if originally fitted, then it must be standard and to the original specification.
- ~~4. Lawnmower tyres and wheels must be used and must be the same size/ dimension as those the manufacturer fitted as standard.~~
4. **Wheels and tyres must be the same size/dimension as those fitted as standard.**

Safety:

1. Mowers must be fitted with an automatic throttle closing device, which will work whenever the drivers hand or foot leaves the throttle control. Two independent throttle closing device to be used, e.g. two springs
2. An ignition cut out, which will work under any circumstances should the drivers lose contact with the mower, must be fitted.
- ~~3. No sharp edges, protrusions or bumpers/fenders are allowed~~
3. **No Sharp edges, protrusions or bumpers are allowed**
4. An efficient braking system must be fitted and operational at all times
5. Any part of the exhaust pipe that could be used as a grab handle must be wrapped or guarded
6. Cutting blades must be removed
7. Any use of lithium polymer batteries is not allowed.
8. **Safety guards must be fitted to prevent wheels interlocking.**

Chassis & Bodywork:

1. The overall chassis profile may not be altered from standard, by chassis we mean the basic chassis.
2. Seats may be lowered, but only to the seat panel
3. The actual seat may be modified or changed by the backrest may not be higher than the drivers shoulder blades. Measured from the ground, the top of the seat back must be no less than 735mm (29") high across the majority of the seats width.
4. **Bonnet must be secured**
- ~~5. Front wheels to be no wider than the back wheels~~
6. If originally fitted with a steering wheel, then it must retain a steering wheel which must be circular and not take the form of modified handlebars.

Competitors:

1. **WARNING**—Motor sport can be a dangerous and may involve injury, despite the organisers taking all reasonable precautions, unavoidable accidents can happen, in respect of this you are present at your own risk.
2. All drivers must be aged 18 or over
3. **Safety Helmet**—A safety helmet must be worn during competition. The competitor must ensure that the helmet is of a recognised standard, that it fits properly, is secured properly and that it is in serviceable condition. It is the competitor who must ensure the helmet intended for use is fully fit for purpose.
4. **Clothing**—All limbs must be covered, Gloves providing suitable protection must be worn (not fingerless) Use of stout footwear, eye protection and protective clothing is strongly recommended.
5. Competitors must not be under the influence of drugs or alcohol.