



Read these instructions carefully.

## Introduction

This manual gives instructions on conducting basic maintenance on the engine fitted to your mower. It is important that you read these instructions carefully.

## Maintenance

### Changing Oil:

Change the oil after the first 2 hours of use. The oil should then be changed every 25 hours or at the end of each season before storage, whichever is sooner.

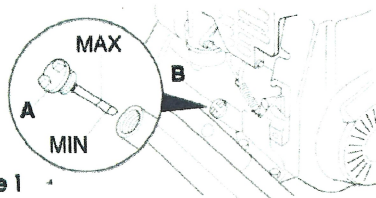


Figure 1

### Draining

- 1) Unscrew the yellow oil fill plug/dipstick fig.1(A)
- 2) Tilt the mower back and drain the oil into a container.

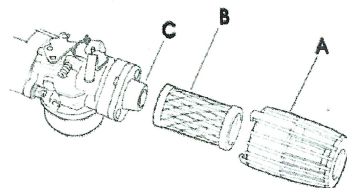
### Refilling

- 1) With the mower on level ground pour a good quality SAE 30 oil (ie SAE 30 API SF) into the filler tube fig.1(B), up to the 'max' dipstick mark (with dipstick screwed fully home). Depending on any residual of oil in the sump, up to 0.6 litres (1 pint) oil will be required to fill the engine.

**Note:** It is important that you use the recommended oil to avoid damage to your engine.

- 2) Refit the yellow oil fill plug/dipstick fig.1(A)

Figure 2



### Replacing Air Filter-

- 1) Unclip the cover fig 2 (A) by twisting the cover.
- 2) Remove Air Filter element fig 2(B).
- 3) Clean inside cover fig 2(A) and Air Filter body fig 2(C).
- 4) Replace Air Filter element Part No F016S10324
- 5) Refit cover as shown fig 2.

### Spark Plug:

- 1) Clean area around spark plug.
- 2) Remove and inspect spark plug. Replace the spark plug once a year. The spark plug should always be replaced if the electrodes fig.3 are pitted/burned or if the porcelain is cracked.

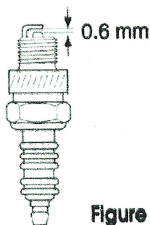


Figure 3

**Note:** To avoid damage to the engine it is vital that you fit the correct spark plug, part No. **F016S50055**.

- 3) If reusing, scrape the carbon off, check and regap the plug if necessary to 0.6mm (0.024") see fig.3

**Note:** Do not wire brush or sand blast the spark plug.

### Adjustments

#### Throttle cable:

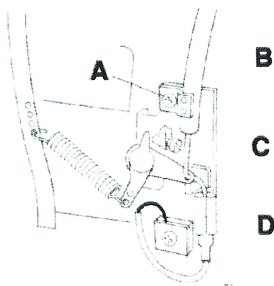
This should only be adjusted if the engine does not cut out with the throttle control in the stop position, if this occurs adjust as follows:-

#### Throttle cable

- 1) Move the throttle to the stop position (see mower manual)

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- 2) Slacken cable clamp screw fig.4(A), move the throttle cable outer fig.4(B) until the throttle link fig.4(C) just touches the electric cut off contact fig.4(D).
- 3) Retighten cable clamp screw fig.4(A).

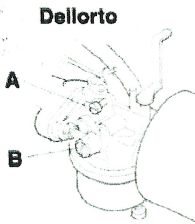
**Figure 4**

### Carburettor:

**Note:** Do not make unnecessary adjustments, factory settings are satisfactory for most applications and conditions. If adjustments are needed proceed as follows, however before adjusting always check that stale fuel (i.e. fuel which has NOT been purchased within the last 30 days) or dirt in the carburettor is not the problem:-

Run the engine for 5 mins approx. or until it is warm with throttle in the (I) position, see mower manual.

**Idle speed,** - this can be adjusted by turning screw fig.5(A) either clockwise to increase or anticlockwise to decrease the engine speed.



**Figure 5**

The ideal setting is with the engine just ticking over.

**Mixture,** - this can be adjusted by turning screw fig.5(B) either clockwise to weaken or anticlockwise to enrichen the mixture. The mixture screw is normally set at approximately 7/8 of a turn (do not overtighten) from being screwed fully closed.

The ideal setting is when the engine is ticking over smoothly. Readjust the idle speed (as above) after adjusting.

**Note:** Some carburettors do not have mixture adjustment screws.

### Winter Storage/After Mowing:-

- 1) If the mower is not going to be used within the next 30 days (especially winter storage) proceed as follows:-
  - i) Drain off any fuel in the petrol tank, by removing the pipe from the carburettor and emptying the fuel into a can.
  - ii) Run the engine for a few minutes until the engine stops.

**Note:** By using a fuel stabilizing additive such as the 'Atco-Qualcast fuel stabilizer' you should be able to prevent gum (fuel deposits) forming on essential carburettor parts.

- 2) Change the oil (see maintenance section for details).
- 3) Replace the air filter and the spark plug (see maintenance section for details)

**Note:** Regular maintenance at the recommended service intervals, replacing worn or damaged parts as necessary and having the mower serviced by an approved service agent before winter storage will maximize the life and reliability of the mower.

### Guarantee:-

See mower instructions for details - Extended Guarantee Option (Engine only)

The Engine guarantee may be extended by a further one year providing:-

- 1) The registration card has been completed and returned (UK only)
- 2) The engine has been serviced by a Atco-Qualcast Approved Service Agent prior to the expiry date of the original guarantee and this manual has been stamped accordingly by the Approved Service Agent.
- 3) The mower has been subjected to domestic use only. For the purpose of this guarantee, domestic use means any use of the product on the property belonging to the purchaser forming part of the garden area of his/her dwelling.

**Note** Conditions stated in in the mower instructions also apply.

The service will consist of the following.

- a) Clean engine ,clean fins etc
- b) Replace air filter element and spark plug
- c) Remove carburettor bowl, clean carburettor
- d) Check the petrol tank and pipe

- e) Check the recoil start mechanism, replace rope/handle if necessary
- f) Check all bolts etc
- g) Change oil, check dipstick filler plug 'O' rings/seals
- h) Check throttle cable operation in start and stop positions, adjust if necessary
- i) Test run and adjust carburettor settings if necessary



**Veillez lire attentivement ces instructions.**

### Introduction

Vous trouverez dans ce manuel des instructions concernant l'entretien de base du moteur de votre tondeuse. Vous devez impérativement lire attentivement ces instructions.

### Entretien

**Changement de l'huile:**  
 Changez l'huile après les deux premières heures d'utilisation. Changez ensuite l'huile toutes les 25 heures ou à la fin de chaque saison, avant l'hivernage - le premier terme échu quel qu'il soit.  
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This service will be charged at the Approved Service Agent labour rate for 1/2 of an hour plus all parts and consumables used. Should any other work be required your approved service agent will advise. To prevent unnecessary delays it is recommended that this service should be undertaken during the Winter. In the unlikely event that a fault occurs within the second year, you must provide the approved service agent with proof of purchase date (ie receipt), together with this stamped manual which confirms the second year of warranty

I confirm that the above mentioned service has been undertaken

Approved Service Agent Stamp

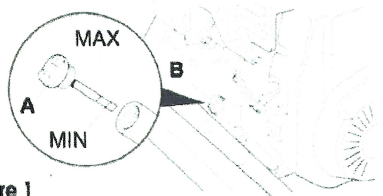


Figure 1

Signature:

Serial 961000275

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Date:

Typ F016L8 0961 579

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