

# A member of the Turfmech group



Buffalo 20, 24 & 27"

#### **OPERATOR & PARTS MANUAL**

For Serial number:

BU20/4-XX-XXX onwards

BU24/4-XX-XXX onwards

BU27/4-XX-XXX onwards

(AM81589 Issue B March 2013)

#### **English version**

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# READ THIS MANUAL BEFORE USING AN ALLETT BUFFALO CYLINDER MOWER.

YOUR SAFETY IS INVOLVED

IT IS ESSENTIAL THAT OPERATORS STUDY THIS DOCUMENT FOR THEIR OWN SAFETY.

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#### 1.0 Introduction

The Buffalo lawn mower range is designed as a professional lawn and sports turf mower.

The lawn mower is powered by a petrol engine, it is self propelled via a belt and chain drive to the land roll. The land roll has an internal geared differential. Power is transferred to the cutting cylinder via toothed belt drive.

The Buffalo mowers are designed for the management of high quality turf. Use in any way other than that stated is considered contrary to the intended use. Compliance and strict adherence to the conditions of operation, service and repair as specified in this manual also constitute essential elements of the intended use.

The way in which the Buffalo mower is operated and maintained will have a profound effect on its performance and reliability.

A Buffalo mower should be operated, serviced and repaired only by persons who are familiar with its particular characteristics and who are familiar with the relevant safety procedures.

The safety precautions outlined in this manual and all other generally recognised regulations on safety must be observed at all times.

Any modifications carried out to a Buffalo mower will relieve Turfmech Machinery Limited of liability for any resulting damage or injury.

This manual is based on information available at the time of publication.

Turfmech Machinery Limited reserves the right to amend product specifications without prior notification.

#### 1.1 Model type and serial number

The model can be found in two places:

- 1. On the top cover of the mower.
- 2. On the serial number plate located on the right side of the mower chassis.

The serial number can be found on the serial plate.

| Please enter your information below | TURFMECH MACHINERY LTD. Hanger 5, Hixon, Staffordshire, U.K ST18 0PJ Tel: 01889271503 www.turfmech.co.uk |
|-------------------------------------|--|
| Model:                              | MODEL  |
| Serial Number:                      | SERIAL No.   |
|                                     | YEAR OF UNLADEN WEIGHT Kg  |

#### 2.0 Pictograms and Decals

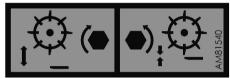


Refer to manual before carrying out maintenance,

Engine On/Off switch, Read manual before starting



Guaranteed Sound power level emitted by the mower



Bottom blade to cylinder adjustment



Flying debris, keep bystanders away. Warning, sharp blades, do not touch rotating blades. The blades continue to rotate after the mower is switched off

#### 3.0 Safety notes

Read these instructions carefully, be familiar with the controls and the proper use of the lawnmower.

Learn how to stop the lawnmower guickly in an emergency.

Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations may restrict the age of the operator.

Never mow while people, especially children or pets are nearby

Never pick up or carry the lawnmower while the motor is running.

Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Whilst mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.

Wear appropriate protective clothing and equipment when you are operating the lawnmower, such as safety glasses, long trousers, substantial footwear and ear protection. Long hair, loose clothing or jewellery can get tangled in moving parts. Thoroughly inspect the area where the lawn mower is to be used and remove all objects that may be thrown by the machine.

WARNING - petrol is highly flammable.

- Store fuel in containers especially designed for this purpose
- Refuel outdoors only and do not smoke while refuelling
- Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol whilst the engine is running or the engine is hot.
- If petrol is spilt, do not attempt to start the engine, move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated.
- Replace the fuel tank and container caps securely

- Replace faulty silencers
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Before using, always visually inspect to see that the cutting cylinder is not worn or damaged.

Mow only in daylight or in good artificial light.

Avoid operating the lawnmower in wet grass, where feasible.

Always be sure of your footing on slopes.

Walk, never run.

Mowing on banks can be dangerous:

- Mow across the face of sloes never up and down.
- Be particularly careful of your footing on slopes or wet grass.

Exercise extreme caution when changing direction on slopes.

Do not mow excessively steep slopes.

- Use extreme caution when stepping back or pulling the lawnmower towards you. Stop the blades if the lawnmower has to be tilted for transportation when crossing surfaces other than grass and when transporting the lawnmower to and from the area to be mowed.

Do not tilt the lawnmower when engaging the blades, except if the lawnmower has to be tilted for starting in long grass. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position when returning the mower to the ground. Never operate the lawnmower with defective guards or without the safety devices, for example deflectors and grass catchers in place.

Do not change the engine governor settings or overspeed the engine. Operating an engine at excessive speed may increase the hazard of personal injury.

Disengage all blade drive clutches before starting the engine

Start the engine carefully according to instructions and with feet well away from the blades. Do not tilt the mower when starting. Keep clear of the discharge opening at all times. Never pick up or carry a lawnmower while the engine is running.

Do not put hands or feet near or under rotating parts while the lawnmower is being operated.

Stop the engine and disconnect the spark plug lead:

- Before checking, cleaning or working on the lawnmower
- After striking a foreign object, inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower.
- If the lawn mower starts to vibrate abnormally (check immediately).
- Before making height of cut adjustment

Stop the engine:

- Whenever you leave the machine
- Before refuelling
- Before checking blockages
- Before making a height of cut adjustment

Reduce the throttle setting during engine shut-down and turn the fuel off at the conclusion of mowing.

Keep all nuts, bolts and screws tight to be sure that the lawnmower is in safe working condition.

Never store the lawnmower with petrol in the tank inside a building where fumes may reach an open flame or spark.

Allow the engine to cool before storing in any enclosure.

To reduce the fire hazard, keep the engine, silencer and fuel storage area free of grass, leaves or excessive grease.

Check the grassbox frequently for wear or deterioration.

Replace worn or damaged parts for safety.

Go slow when using a trailing seat, especially when cornering.

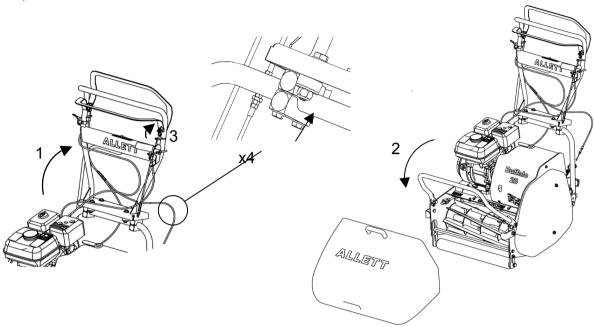
If the fuel tank has to be drained, this should be done outdoors.

Be careful during the adjustment of the lawnmower to prevent entrapment of the feet and hands between moving blades and fixed parts of the lawnmower.

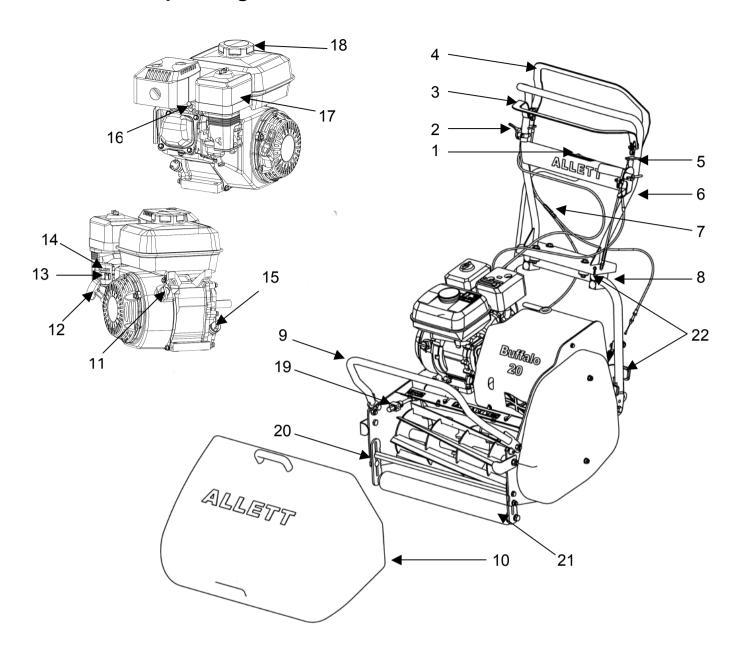
Ensure replacement parts fitted are manufacturer's original or approved by the manufacturer.

# 4.0 Assembly

- 1) Fold handles back to a comfortable operator height and tighten 4 bolts 2) Fold down grass box cradle and fit grass box
- 3) Release the handbrake



# 5.0 Operating controls

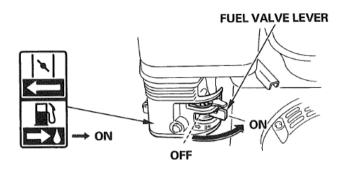


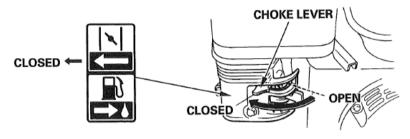
- 1) Handle bar ON/OFF switch
- 2) Throttle
- 3) Cutting cylinder engagement
- 4) Land roll engagement
- 5) Park brake
- 6) Top handle bar
- 7) Cable adjuster
- 8) Bottom handle bar
- 9) Grass box hoop
- 10) Grass box
- 11) Engine ON/OFF switch

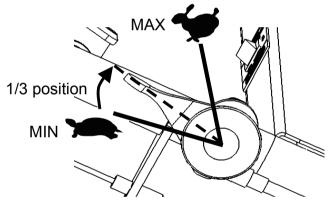
- 12) Starter grip
- 13) Fuel valve lever
- 14) Choke lever
- 15) Oil dipstick
- 16) Spark plug
- 17) Air filter
- 18) Fuel filler cap
- 19) Bottom blade adjuster20) Front roller adjuster
- 21) Front roller
- 22) Vibration mounts

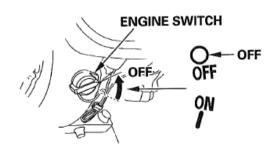
# 6.0 Using your mower

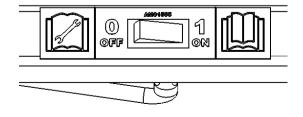
#### 6.1 Starting











1) Move the fuel valve lever to the ON position



2) For a cold \* start move the choke lever to the CLOSED position | \ |

To restart a warm ♀ engine leave the choke lever in the OPEN position



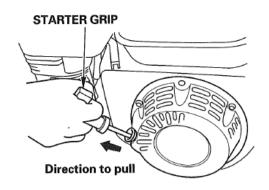
3) Set the throttle to 1/3 position between MIN and MAX

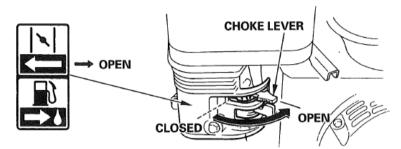


4) Turn the engine switch to the ON position



5) Move the handle bar mounted engine switch to the ON position





 Pull the starter grip lightly until you feel resistance, then pull briskly. Return the starter grip gently



7) If the choke lever was moved to the CLOSED position |\| to star the engine, gradually move it to the OPEN position || as the engine warms up

#### **6.2 Stopping**

- 1) Move the throttle lever to MIN position
- 2) Move the handle bar mounted stop switch to OFF
- 3) Turn the petrol tap OFF

To stop in an emergency move the handle bar mounted stop switch to OFF

#### 6.3 Adjusting the bottom blade - setting "on cut"

The bottom blade is correctly adjusted when the cutting cylinder lightly brushes the bottom blade as the cylinder is turned. Contact should be made across the full width of the bottom blade.

The blades act like a pair of scissors, as a test correctly adjusted blades will cleanly cut a piece of good quality writing paper across the width of the blade. The bottom blade should be adjusted if the grass is not cut cleanly and evenly.

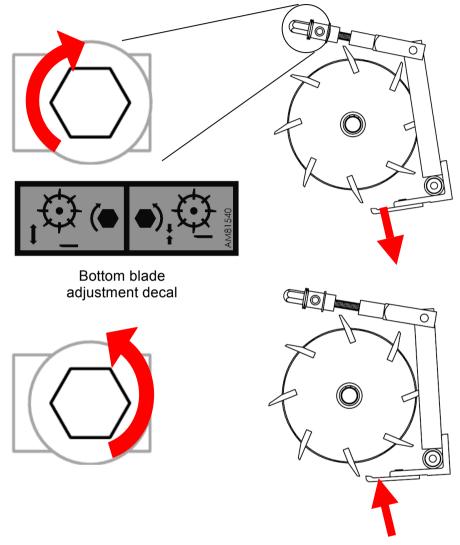
WARNING - Blades are sharp always wear gloves

To set the cutting cylinder on cut:

- 1) Tilt the mower back and wedge securely
- 2) Turn the adjuster screws anti clockwise to move the bottom blade closer to the cylinder

Turn the adjuster screws clockwise to move the bottom blade further from the cylinder

3) When making adjustments to the bottom blade frequently check progress by cutting a piece of paper

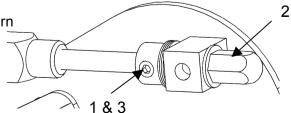


# Do not over tighten the bottom blade – the cylinder should be able to spin with little resistance

If you are still unable to cleanly cut paper, inspect the bottom blade and cylinder. If they appear, rounded, damaged or excessively worn they may need to be reground or replaced. New bottom blades should always be reground attached to the bottom blade carrier. For bottom blade grinding angles see the section 7.6

The bottom blade adjusters can sometimes become very tight and may be hard to turn. If this is the case:

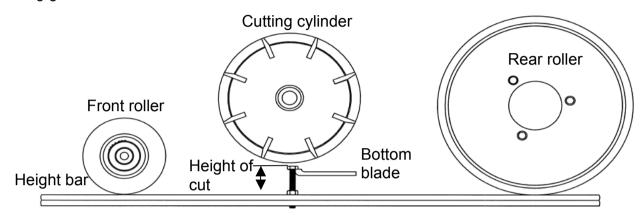
- 1) Slacken off the grub screw on the collar
- 2) Rotate the adjuster anti-clockwise 1/8<sup>th</sup> of a turn
- 3) Tighten the grub screw



#### 6.4 Height of cut adjustment

The height of cut is set by altering the position of the front roller. WARNING - blades are sharp, always wear gloves

- 1) Set "on cut" first, refer to section 6.3
- 2) Adjust and lock the bolt on the height setting bar to your desired height of cut
- 3) Slacken the four front roller fasteners
- 4) Tilt the mower back and wedge securely
- 5) With the height setting bar near one end of the bottom blade, locate the bolt head on top of the bottom blade and under the rear roller
- 6) Adjust the front roller so it makes contact with the height setting bar
- 7) Tighten the front roller fasteners on the side you have adjusted
- 8) Move the height setting bar to the other end of the bottom blade and repeat steps 5-8



#### 6.5 Engaging drive to the cylinder

- 1) Gradually squeeze the cylinder bail bar towards the top handle see section 5.0)
- 2) Release the bail bar to stop the cylinder

#### 6.6 Engaging drive to the land roll

- 1) Gradually squeeze the drive bail bar towards the top handle see section 5.0
- 2) Release the bail bar to stop forward movement

#### 6.7 Park brake

To engage the park brake:

- 1) Pull and hold the red lever on the top handle bar
- 2) Tighten the lock handle

#### 6.8 Mowing

- 1) Before mowing check the engine oil level and fill the petrol tank (see maintenance section)
- 2) Start the engine see section 6.1
- 3) Engage drive to the cylinder
- 4) Release the park brake
- 5) Engage drive to the land roll

#### 7.0 Maintenance

WARNING - Stop the engine and remove the spark plug cap

To ensure long and reliable service, carry out the following maintenance regularly:

Regularly check for obvious defects such as a loose, dislodged or damaged blades, loose fixings and worn or damaged components.

Check that covers and guards are undamaged and correctly fitted. Carry out necessary maintenance or repairs before use..

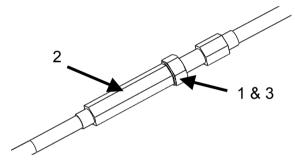
Clean the exterior of the machine thoroughly using a soft brush and cloth. Remove all debris, especially from the air filter and engine fins.

If the mower should happen to fail despite the care taken in manufacture and testing, repair should be carried out by an authorised Allett dealer.

#### 7.1 Adjusting land drive and cylinder cables

If the mower or cylinder doesn't drive adequately it may be necessary to adjust the drive cable as follows:

- 1) Slacken lock nut
- 2) Turn the adjuster a few times clockwise
- 3) Retighten the adjuster with the lock nut

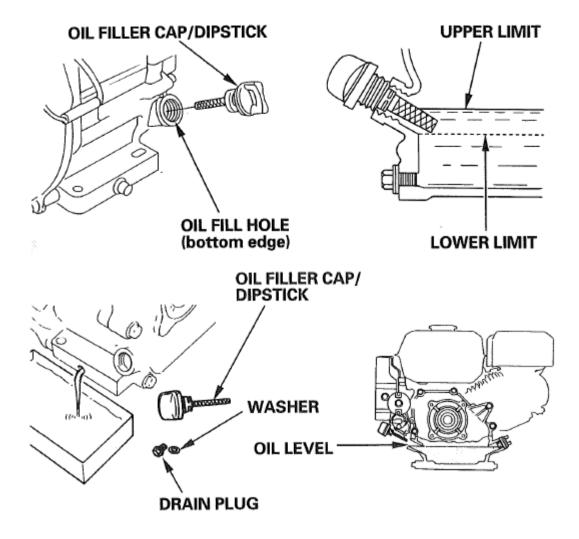


When correctly adjusted, drive to the land roll or cylinder is engaged when the bail bar is squeezed against the top handle. When released drive MUST disengage.

#### 7.2 Checking the engine oil

Change the engine oil after the first 8 hours of use. The oil should then be changed every 50 hours or at the end of each season before storage, whichever is sooner.

- 1) With the mower standing on level ground, unscrew and remove the engine oil filler dipstick (15)
- 2) Wipe the oil filler dipstick clean: insert the oil dipstick, then remove it again. Do not screw it in.
- 3) Check the oil level
- 4) Add a good quality SAE 10W-30 oil in small quantities at a time, allowing it to settle. Repeatedly add oil and check the level until it reaches the upper limit.



SAE 10W-30 oil is recommended for general use. It is important to use the recommended oil to avoid damage to your engine. Engine oil capacity is 0.6L

#### 7.3 General engine maintenance

Check and clean the air filter (17), replace if necessary. See engine manual for details.

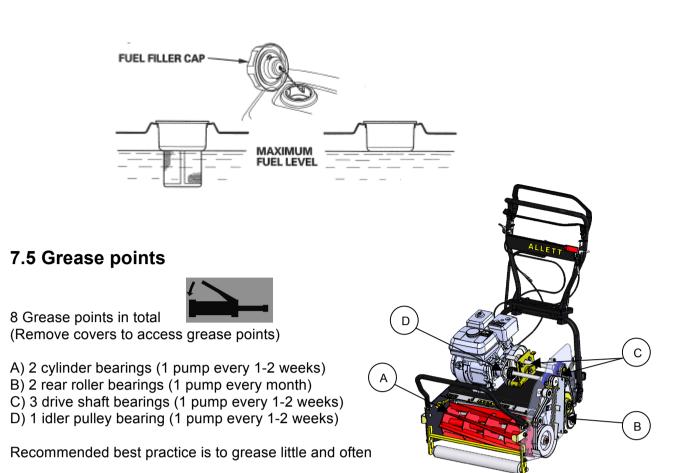
Check and clean the fuel sediment bowl and spark plug. See engine manual for details.

For all other engine adjustments and maintenance refer to the engine manual.

#### **7.4 Fuel**

Petrol deteriorates over time. Engine starting may be difficult if you use petrol kept for more than 30days. Always run the fuel tank dry when storing over 30 days.

- 1) Remove the petrol filler cap (18), slowly add unleaded petrol to the tank, fill to approximately the top of the strainer gauze.
- 2) Replace petrol filler cap
- 3) Wipe up any spilt petrol from the engine before starting the mower

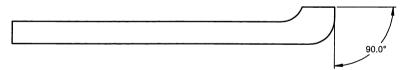


#### 7.6 Bottom blade grinding angles

The cutting performance of the Buffalo 34 is highly dependent on the condition of both the cylinder and bottom blade. Poorly maintained parts will lead to a poor quality of cut.

Newly fitted bottom blades will need to be ground when bolted to the blade carrier to ensure a perfectly flat cutting edge.

It is advisable that grinding/reconditioning is carried out by an authorised Allett dealer to the angles shown below.



#### 7.7 Inspection of safety critical components

The below parts are critical to the safe operation of your lawnmower, before each use check that:

When the park brake is engaged the mower can not move.

The guards, deflectors and the grass box are in good condition and secured in place The On/off engine switch stops the mower in case of an emergency

When the bail bars are released the cylinder and land roll drive stop immediately

# 7.8 Maintenance schedule

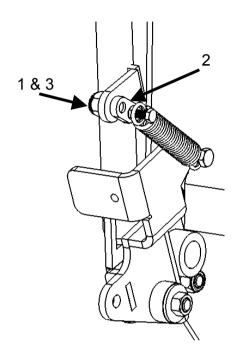
| Activity | Task                           | Daily | Weekly   | Monthly | Yearly |
|----------|--------------------------------|-------|----------|---------|--------|
| Check    |                                |       |          |         |        |
|          | Engine oil level               | •     |          |         |        |
|          | Fuel level                     | •     |          |         |        |
|          | Air cleaner condition          | •     |          |         |        |
|          | Guards in place                | •     |          |         |        |
|          | Cutting cylinder               | •     |          |         |        |
|          | Fasteners                      |       | •        |         |        |
|          | Chain and belt tension         |       |          | •       |        |
|          | Spark plug                     |       |          | •       |        |
| Clean    |                                |       |          |         |        |
|          | Debris/grass from mower        | •     |          |         |        |
|          | Engine cooling fins            | •     |          |         |        |
|          | Fuel sediment bowl             |       |          |         | •      |
|          | Air filter elements            |       | •        |         |        |
|          | Inside guards                  |       | •        |         |        |
| Test     |                                |       |          |         |        |
|          | Parking brake                  | •     |          |         |        |
|          | On/off switches                | •     |          |         |        |
|          | Drive engagement/disengagement | •     |          |         |        |
| Replace  |                                | 1     | <u>'</u> |         |        |
|          | Engine oil                     |       |          |         | •      |
|          | Spark plug                     |       |          |         | •      |
|          | Air filter elements            |       |          |         | •      |

#### 8.0 Making adjustments to your mower

#### 8.1 Floating handle bars

The upper and lower handle bars are isolated with rubber vibration mounts. The lower handle bar is also suspended via springs. The sprung lower handle bar is designed to "float" off the rubber stops when in use. The spring tension can be adjusted by rotating the spring anchor.

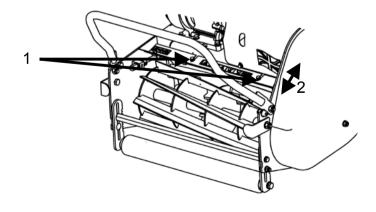
- 1) Slacken the locking nut
- 2) Rotate the spring anchor to adjust spring tension
- 3) Tighten the locking nut



#### 8.2 Delivery plate

The delivery plate covering the rear of the cylinder can be adjusted to alter the grass trajectory into the grass box.

- 1) Loosen the 2 delivery plate screws
- 2) Adjust the delivery plate forwards or backwards then tighten the screws



#### 9.0 Vibration reduction

Best practices for reducing vibration emission:

The mower is designed to operate at low engine speeds. Adequate performance can be achieved at little over idle speed.

Inspect the rubber vibration mounts for signs of wear and deterioration, replace if necessary. Properly adjust the sprung floating handle bars to improve operator comfort and further limit vibration transmission (See section 8.1).

A well maintained mower with an accurately ground and balanced cylinder is recommended to limit vibration emission. Forcing the mower to cut longer grass than intended or mowing on unsuitable surfaces will result in higher levels of vibration and wear.

#### 10.0 Noise reduction

Best practices for reducing noise emission:

This mower is designed to operate at low engine speeds. Adequate performance can be achieved at little over idle speed. Setting minimal contact between the cylinder and bottom blade will also help reduce noise emissions. Forcing the mower to cut longer grass than intended or setting it to work at great depths may cause higher levels of noise emission.

Damaged exhausts or loose guards can increase noise emissions. Therefore, before use inspect the exhaust system for signs of wear and ensure the guards are securely attached and in good condition.

#### 11.0 EC Declaration of conformity

We: Turfmech Machinery Limited

of: Hangar 5, New Road, Hixon, Staffordshire, ST18 0PJ, UK declare that:

Equipment: Lawn mower

Model name/number: Buffalo 20, 24 & 27 (Cutting width 0.51, 0.61 & 0.69m)

in accordance with the following directives:

2004/108/EC Conforms with the essential protection requirements of the

Electromagnetic Compatibility Directive and its amending Directives.

2006/42/EC Conforms with the essential requirements of the Machinery Directive

and its amending Directives.

2000/14/EC Conforms with the essential requirements of the Noise Directive and

its amending Directives. The conformity assessment procedure followed was in accordance with Annex VI of the Directive

Has been designed and manufactured to the following standards:

#### EN ISO 12100-1:2003+A1:2009

Safety of machinery. Basic concepts, general principles for design. Basic terminology, methodology.

EN ISO 12100-2:2003+A1:2009

Safety of machinery. Basic concepts, general principles for design. Technical principles.

BS EN 836:1997

Garden equipment – Powered lawnmowers – Safety

Measured Sound Power Level (2000/12/EC, BS EN 836 Annex H): 93dB L<sub>WA</sub>

Guaranteed Sound Power Level (2000/14/EC): 98dB LWA

Uncertainty K = 2.5dB

Sound Pressure Level (BS EN 836 Annex H): Buffalo 20 – 83dB L<sub>PA</sub>,

Buffalo 24/27 – 84dB L<sub>PA</sub>

Wear hearing protection!

#### Vibration test code BS EN 836 Annex G, xx m/s/s xx uncertainty

Notified body: AV Technology, Handforth, Cheshire

Technical construction file is kept by: Turfmech Machinery Ltd, Hangar 5, New Road, Hixon, Staffordshire, ST18 0PJ, UK

I hereby declare that the equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives

Signed by:

Name: Austin Jarrett

Position: Managing Director

Done at: Turfmech Machinery Ltd

On: 30<sup>th</sup> January 2013

# 12.0 Fault finding when mowing

| Problem  | Possible cause   | Remedy  |
|--|--|---|
| Occasional blades of uncut grass.                        | Ground speed too fast. Height of cut too high Poorly adjusted bottom blade. Blunt cutting cylinder/bottom blade. Drive belt slipping.          | Reduce forward travel speed. Reduce height of cut. Re-adjust bottom blade. Grind/recondition as necessary. Adjust belt tension. |
| Strips of uncut grass between adjacent runs.             | Overlap between runs too small.  | Increase overlap between runs.  |
| Uneven cut on uneven ground.                             | Uneven ground conditions.  | Reduce forward travel speed, change direction of cut.   |
| Scalping of grass.                                       | Height of cut too low for conditions. Uneven ground conditions.  | Increase height of cut. Increase height of cut, change direction of cut.  |
| Ribbing of grass perpendicular to direction of travel.   | Forward travel speed too fast.   | Reduce forward travel speed.  |
| Tram lining of grass in the direction of forward travel. | Bottom blade in ground contact. Poor cylinder to bottom blade adjustment. Worn cylinder bearings.  | Increase height of cut. Re-adjust bottom blade. Replace worn parts.   |
| Excessive bottom blade wear.                             | Bottom blade in heavy ground contact. Blunt cutting edge. Cylinder in heavy contact with bottom blade. Excessively abrasive ground conditions. | Increase height of cut.  Grind/recondition. Re-adjust the bottom blade to cylinder clearance. Increase height of cut.           |
| Cylinder knocks while rotating.                          | High spots on the cutting edges.  Worn cylinder bearings.  | Grind/recondition cylinder and bottom blade. Replace worn parts.  |

# 13.0 Specification

| Model name               | Buffalo 20 Lawn                   | Buffalo 24 Lawn          | Buffalo 27 Lawn     |
|--------------------------|-----------------------------------|--------------------------|---------------------|
|                          | Mower                             | Mower                    | Mower               |
| Cutting width            | 510mm (20")                       | 610mm (24")              | 686mm (27")         |
| Engine                   | Honda GX120                       | Honda GX160              | Honda GX160         |
| Engine fuel/oil capacity | 2.0L Unleaded fuel,               | 3.1L Unleaded fuel,      | 3.1L Unleaded fuel, |
|                          | 0.6L oil SAE                      | 0.6L oil SAE             | 0.6L oil SAE        |
|                          | 10W-30                            | 10W-30                   | 10W-30              |
| Power output (Net)       | 2.6kW (3.5hp) @                   | 3.6kW (4.8hp) @          | 3.6kW (4.8hp) @     |
|                          | 3,600rpm                          | 3,600rpm                 | 3,600rpm            |
| Handlebar                | Adjustable with anti-v            | ribration mountings      |                     |
| Land roll engagement     | Handle mounted leve               | r engaging V belt via    | cable               |
| Cylinder engagement      | Handle mounted leve               | r engaging V belt via    | cable               |
| Rear roller              | Rubber covered, 2 pi differential | ece steel roller with st | eel bevel gear      |
| Front roller             | Single piece aluminiu             | m roller on sealed bea   | arings              |
| Weight                   | 111kg                             | 122kg                    | 138kg               |
| Dimensions (W x L x H)   | 675x1280x1010mm                   | ??x1280x1010mm           | ??x1280x1010mm      |
| Height of cut            | 10 – 40mm                         |                          |                     |
| Grass box                | Rotational moulded p              | lastic                   |                     |
| Machine options          | N/A                               | Trailing seat            | Trailing seat       |

#### 14.0 Guarantee

Turfmech/Allett guarantees this product against manufacturing defects. We will repair (or replace at our option) if a manufacturing defect occurs within the guarantee period as long as it has not been subjected to rental/hire use. The engine fitted to this mower is covered by the engine manufacturer. See engine manuals for details.

The guarantee period is 2 years for parts and labour costs from the date of purchase. A 3rd year extended guarantee is available only if the lawnmower has been registered within in 90 days of purchase and is serviced annually by an authorised Allett service agent.

To obtain a repair under this quarantee:

- Take your lawnmower to an Allett approved service agent
- Show your dated proof of purchase
- Show the guarantee page

This guarantee does not apply if:

- The product has been resold by the original purchaser (this does not apply in the Republic of Ireland) or has been used under hire.
- The product has been modified to change the manufacturers specification, or if non-genuine spares have been fitted
- If any previous repair has been undertaken by anyone other than an Allett approved service agent
- The fault is due to maladjustment, abuse, neglect or accidental damage
- The fault is due to lack of lubrication or maintenance
- The failure is due to normal wear

The following parts are considered as wearing parts. Their life is dependent on regular servicing and they are not therefore normally considered by the guarantee:

Blades, drive chains, bearings, belts, rubber on the rear roller and cables.

The cost of routine maintenance of the product is not covered by the guarantee.

It is in your best interest to follow the operating instructions for your lawnmower as a properly cared for product should give many years of excellent service cutting grass.

Always insist on genuine Allett spares or parts. Any damage caused to the product through the fitting of parts not made or approved by Allett is not covered by the guarantee.

Your statutory rights are not affected by this guarantee.

When the time comes to dispose of this product please consider the environment and take it to a recognised recycling facility.

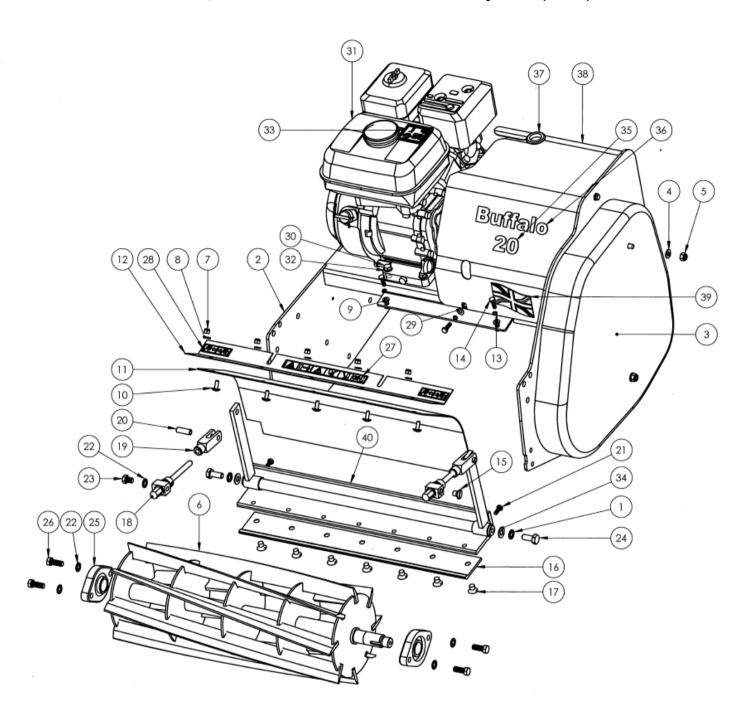
# 15.0 Parts section

# Buffalo 20/4, 24/4 & 27/4 PARTS SECTION

For:

BU20/4-XX-XXX onwards BU24/4-XX-XXX onwards BU27/4-XX-XXX onwards

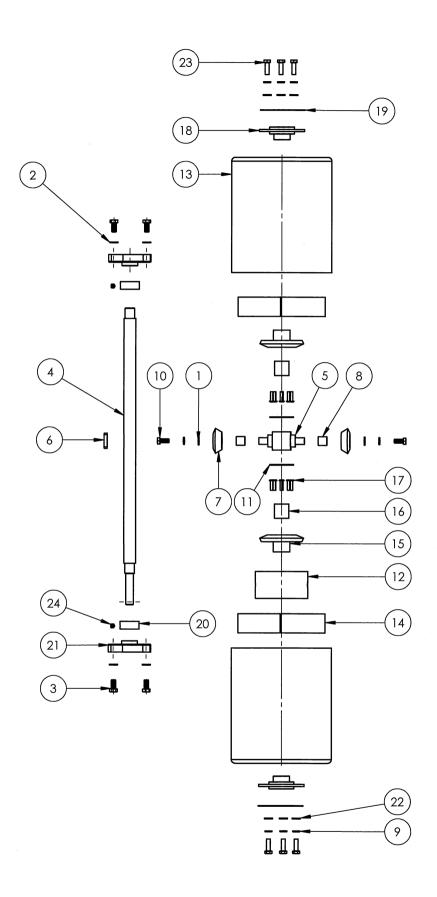
### MODEL BU20, BU24 & BU27:- Mainframe Assembly BOM (FIG 1)



# MODEL BU20, BU24 & BU27:- Main Frame Assembly BOM (FIG 1)

| ITEM<br>NO. | DESCRIPTION                    | PART 20" | PART 24" | PART 27" | USED |
|-------------|--------------------------------|----------|----------|----------|------|
| 1           | SPRING WASHER M10              | SWM10    |          |          | 2    |
| 2           | CHASSIS                        | AB084    | AB085    | AB086    | 1    |
| 3           | CHAINCASE                      | AB003    |          |          | 1    |
| 4           | WASHER M8 FORM A               | WM8A     |          |          | 6    |
| 5           | NYLOC NUT M8                   | NNM8     |          |          | 2    |
| 6           | BUFFALO CYLINDER               | AB014-8  | AB015/8  | AB016/8  | 1    |
| 7           | NUT M6 NYLOC                   | NNM6     |          |          | 5    |
| 8           | WASHER M6 FORM A               | WM6A     |          |          | 1    |
| 9           | WASHER M6                      | WM6      |          |          | 6    |
| 10          | SCREW M6 x 16 ROOFING BOLT ZC  | S11060   |          |          | 5    |
| 11          | DELIVERY PLATE                 | BG1032-D | BG1033   | BG1034   | 1    |
| 12          | BUFFALO DELIVERY PLATE BRACKET | BSG1129  | BSG1130  | BSG1131  | 1    |
| 13          | SPRING WASHER M6               | SWM6     |          |          | 7    |
| 14          | M6X20 SET SCREW                | SM620    |          |          | 7    |
| 15          | BLTTOM BLADE SCREW             | S11032   |          |          | 1    |
| 16          | BOTTOM BLADE                   | AM92112  | AM82111  | AM92110  | 1    |
| 17          | 3/8 x 1/2 CSK                  | S11051   |          |          | 1    |
| 18          | ADJUSTER ASSY (LESS FORK)      | AB079    |          |          | 2    |
| 19          | ADJUSTER FORK                  | AB1004   |          |          | 2    |
| 20          | ROLL PIN M10 x MBK x 30        | AM89341  |          |          | 2    |
| 21          | SET SCREW M6 x 16              | SM616    |          |          | 4    |
| 22          | WASHER M10                     | WM10     |          |          | 5    |
| 23          | 3/8" UNF x 1/2"                | S11011   |          |          | 1    |
| 24          | SET SCREW M10x20               | SM1025   |          |          | 2    |
| 25          | BEARING                        | AM81009  |          |          | 2    |
| 26          | SET SCREW 3/8 X 1 UNF          | S11014   |          |          | 4    |
| 27          | CYLINDER BLADE CAUTION DECAL   | AM81541  |          |          | 1    |
| 28          | BOTTOM BLADE ADJUSTMENT DECAL  | AM81540  |          |          | 2    |
| 29          | WASHER M6 FORM D               | WM6D     |          |          | 4    |
| 30          | SET SCREW M8 x 35 ZC           | SM835    |          |          | 4    |
| 31          | HONDA ENGINE 4.0HP             | GX120    |          |          | 1    |
| 32          | SPRING WASHER M8               | SWM8     |          |          | 4    |
| 33          | DECAL 98dB                     | AM81433  |          |          | 1    |
| 34          | WASHER M10 FORM Z/C            | WM10     |          |          | 2    |
| 35          | 20", 24" & 27" DECAL           | AM81557  | AM81556  | AM81554  | 1    |
| 36          | BUFFALO NAME DECAL             | AM81560  |          |          | 1    |
| 37          | GROMMET PVC                    | AM81264  |          |          | 1    |
| 38          | TUNNEL GUARD                   | BSG1125  | BSG1126  | BSG1127  | 1    |
| 39          | UNION FLAG DECAL               | AM81525  |          |          | 1    |
| 40          | BOTTOM BLADE CARRIER 20        | AB007    |          |          | 1    |
|             |                                |          |          |          |      |

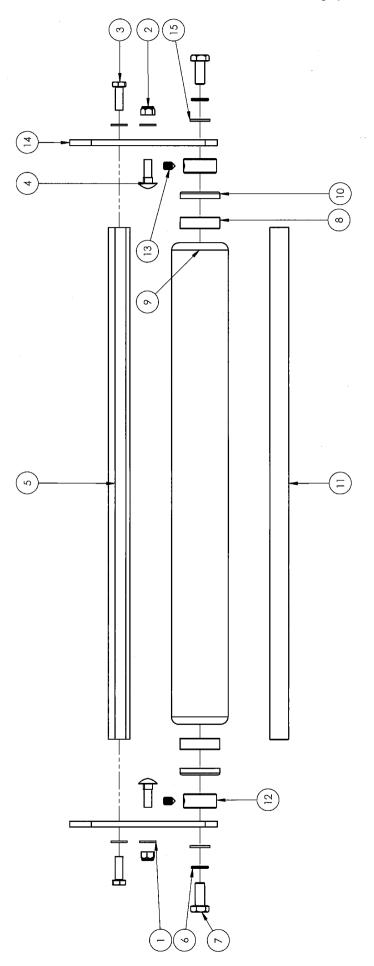
### MODEL BU20, BU24 & BU27:- Rear Roller Assembly (FIG 2)



# MODEL BU20, BU24 & BU27:- Rear Roller Assembly BOM (FIG 2)

| ITEM NO. | DESCRIPTION                     | PART 20" | PART 24" | <b>PART 27"</b> | USED                  |
|----------|---------------------------------|----------|----------|-----------------|-----------------------|
| 1        | WASHER M8 FORM A                | WM8A     |          |                 | 2                     |
| 2        | 3/8 SPRING WASHER               |          |          |                 | 4                     |
| 3        | 3/8 x 3/4 UNF                   | S11011   |          |                 | 4                     |
| 4        | REAR ROLLER SHAFT               | BG1025   | BG1024   | BG1023          | 1                     |
| 5        | DIFFERENTIAL CARRIER            | BSG024   |          |                 | 1                     |
| 6        | KEY 1/4" x 1.1/4" FORM A        | AM92888  |          |                 | 1                     |
| 7        | PINION GEAR STEEL               | BSG1101  |          |                 | 1                     |
| 8        | OILITE BUSH                     | BSG1102  |          |                 | 2                     |
| 9        | SPRING WASHER                   | SWM8     |          |                 | 6                     |
| 10       | SET SCREW 5-16 UNF x 3-4 ZY     | S11015   |          |                 | 2<br>2                |
| 11       | SPACER                          | BSG1046  |          |                 | 2                     |
| 12       | REAR ROLLER DIFF SHROUD         | BSG1083  |          |                 | 1                     |
| 13       | REAR ROLLER 20" MACHINE         | BG022    | BG023    | BG014           | 1                     |
| 14       | REAR ROLLER SEALING BAND        | BSG1045  |          |                 | 2<br>2<br>2           |
| 15       | BEVEL GEAR STEEL                | BSG1100  |          |                 | 2                     |
| 16       | BRONZE BUSH                     | AM81143  |          |                 | 2                     |
| 17       | POP RIVET 4.8 X 20              | PR4820   |          |                 | 16                    |
| 18       | BEARING - 25mm                  | AM81049  |          |                 | 2                     |
| 19       | REAR ROLLER TAB WASHER          | BSG1320  |          |                 | 2<br>2<br>2<br>6<br>6 |
| 20       | REAR ROLLER LOCKING COLLAR      | BSG016   |          |                 | 2                     |
| 21       | BEARING 20MM FLANGED LFTCB11010 | AM81008  |          |                 | 2                     |
| 22       | M8 PLAIN WASHER                 | WM8      |          |                 | 6                     |
| 23       | SET SCREW M8 x 25               | SM825    |          |                 | 6                     |
| 24       | GRUB SCREW M8 x 8               | ACGM8    |          |                 | 2                     |

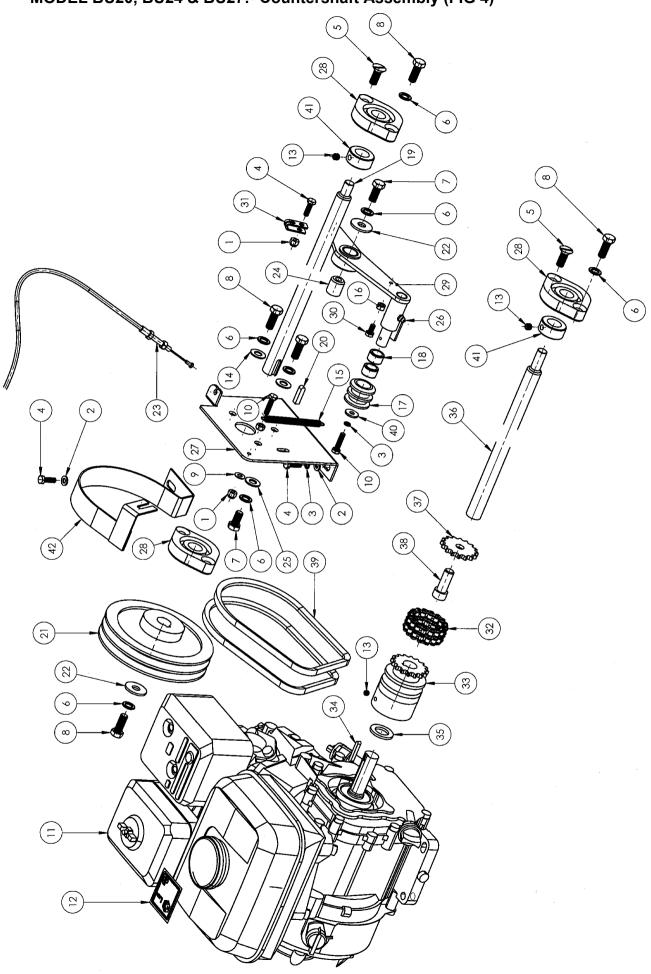
MODEL BU20, BU24 & BU27:- Front Roller Assembly (FIG 3)



# MODEL BU20, BU24 & BU27:- Front Roller Assembly BOM (FIG 3)

| ITEM NO. | DESCRIPTION                      | <b>PART 20"</b> | PART 24" | <b>PART 27"</b> | USED |
|----------|----------------------------------|-----------------|----------|-----------------|------|
| 1        | WASHER M8 FORM A                 | WM8A            |          |                 | 4    |
| 2        | NUT M8 NYLOC                     | NNM8            |          |                 | 2    |
| 3        | SET SCREW M8 x 25                | SM825           |          |                 | 2    |
| 4        | COACH BOLT M8 x 25 ZY            | BCM825          |          |                 | 2    |
| 5        | BRACING BAR                      | BG1026          | BG1027   | BG1028          | 1    |
| 6        | M10 SPRING WASHER                | SWM10           |          |                 | 2    |
| 7        | SET SCREW M10 x 20               | SM1025          |          |                 | 2    |
| 8        | BEARING 20mm 6004 2RS            | AM81007         |          |                 | 2    |
| 9        | FRONT ROLLER                     | BSG1264         | BSG1265  | BSG1266         | 1    |
| 10       | GREASE SEAL TC 20 42 10          | AM81513         |          |                 | 2    |
| 11       | FRONT ROLLER SHAFT               | BG1007          | BG1008   | BG1009          | 1    |
| 12       | LOCKING COLLAR                   | BG003           |          |                 | 2    |
| 13       | SCREW GRUB 5/16 UNF x 3/8        | S11053          |          |                 | 2    |
| 14       | FRONT ROLLER ADJUSTER<br>BRACKET | AB1072          |          |                 | 2    |
| 15       | M10 FLAT WASHER                  | WM10            |          |                 | 2    |

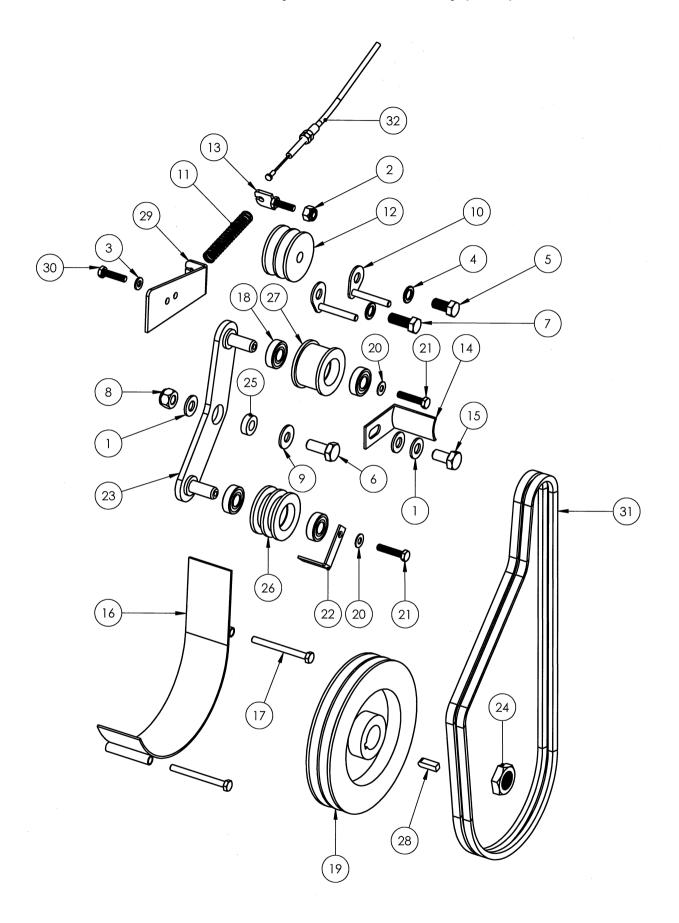
# MODEL BU20, BU24 & BU27:- Countershaft Assembly (FIG 4)



# MODEL BU20, BU24 & BU27:- Countershaft Assembly BOM (FIG 4)

| ITEM NO. | DESCRIPTION                       | PART 20" | PART 24" | <b>PART 27"</b> | USED |
|----------|-----------------------------------|----------|----------|-----------------|------|
| 1        | NUT M6 NYLOC                      | NNM6     |          |                 | 2    |
| 2        | WASHER M6                         | WM6      |          |                 | 3    |
| 3        | SPRING WASHER M6                  | SWM6     |          |                 | 3    |
| 4        | M6X20 SET SCREW                   | SM620    |          |                 | 4    |
| 5        | 3/8 x 1 UNF CSK SLOTTED           | S11010   |          |                 | 2    |
| 6        | 3/8 SPRING WASHER                 |          |          |                 | 7    |
| 7        | 3/8 x 1/2 UNF SCREW               |          |          |                 | 1    |
| 8        | 3/8 x 1 UNF SET SCREW             | S11014   |          |                 | 6    |
| 9        | WASHER M6 FORM D                  | WM6D     |          |                 | 1    |
| 10       | SET SCREW M6 x 25 ZC              | SM625    |          |                 | 2    |
| 11       | HONDA ENGINE                      | GX120    | GX160    | GX160           | 1    |
| 12       | DECAL 98dB                        | AM81433  |          |                 | 1    |
| 13       | GRUB SCREW M6 x 6                 | ACGM6    |          |                 | 4    |
| 14       | WASHER M10 FORM Z/C               | WM10     |          |                 | 2    |
| 15       | SPRING                            | AM85343  |          |                 | 1    |
| 16       | NUT M6 PLAIN                      | NM6      |          |                 | 2    |
| 17       | DRIVE CLUTCH JOCKEY PULLEY        | BSG018   |          |                 | 1    |
| 18       | NEEDLE ROLLER HK1412              | AM81002  |          |                 | 2    |
| 19       | ROLLER DRIVE SHAFT                | BSG1035  | BSG1036  | BSG1037         | 1    |
| 20       | KEY 1/4 X 26 LG FORM C            | AM81055  |          |                 | 1    |
| 21       | PULLEY DRIVE ALUMINIUM            | AM89495  |          |                 | 1    |
| 22       | WASHER M10 FORM G                 | WM10G    |          |                 | 2    |
| 23       | CABLE ROLLER DRIVE                | BSG1078  |          |                 | 1    |
| 24       | CLUTCH ARM SWIVEL                 | BSG017   |          |                 | 1    |
| 25       | 3-8 WASHER                        |          |          |                 | 1    |
| 26       | GREASE NIPPLE M6                  | GNM6     |          |                 | 1    |
| 27       | SHAFT RETAINING PLATE             | BSG003   |          |                 | 1    |
| 28       | BEARING 20MM FLANGED LFTCB11010   | AM81008  |          |                 | 3    |
| 29       | DRIVE CLUTCH ARM ASSY             | BSG064   |          |                 | 1    |
| 30       | M6 X 12 SET SCREW                 | SM612    |          |                 | 1    |
| 31       | YOKE ANCHOR POINT                 | BSG1024  |          |                 | 1    |
| 32       | CHAIN3/8 DUPLEX 16 LINKS          | AM89475  |          |                 | 1    |
| 33       | BAR - SMALL FLYWHEEL PULLEY       | AM89478  | AM81412  | AM81412         | 1    |
| 34       | KEY 3/16 x 1.1/4 FORM C           | AM83273  |          |                 | 1    |
| 35       | DISTANCE PIECE ENGINE SHAFT       | SG1001   |          |                 | 1    |
| 36       | CYLINDER DRIVE SHAFT              | BSG1030  | BSG1031  | BSG1032         | 1    |
| 37       | PLATEWHEEL 16T 3/8 MODIFIED       | BSG1052  |          |                 | 1    |
| 38       | SCREW CAP HEAD 1/2 UNF x 1 1/4 ZC | S11022   |          |                 | 1    |
| 39       | BELT ENGINE DRIVE                 | AM89482  |          |                 | 2    |
| 40       | FLAT WASHER M6 FORM G             | WM6G     |          |                 | 1    |
| 41       | LOCKING COLLAR 20-20-EC           | AM81000  |          |                 | 2    |
| 42       | PRIMARY BELT GAURD ASSEMBLY       | BSG004   |          |                 | 1    |

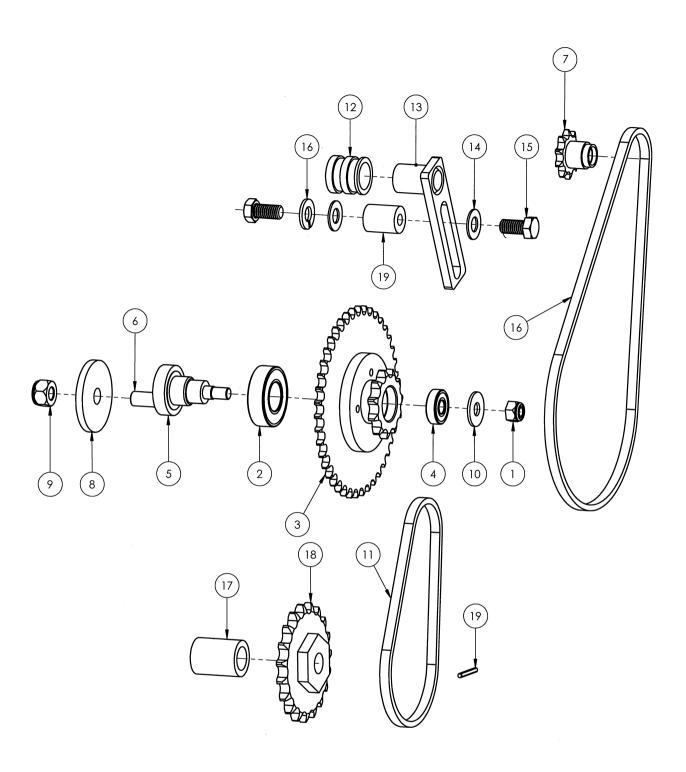
# MODEL BU20, BU24 & BU27:- Cylinder Drive Assembly (FIG 5)



# MODEL BU20, BU24 & BU27:- Cylinder Drive Assembly BOM (FIG 5)

| ITEM NO. | DESCRIPTION                                   | PART 20" | PART 24" | <b>PART 27"</b> | USED |
|----------|---|----------|----------|-----------------|------|
| 1        | M10 FLAT WASHER                               | WM10     |          |                 | 3    |
| 2        | NUT M8 NYLOC                                  | NNM8     |          |                 | 1    |
| 3        | WASHER M6                                     | WM6      |          |                 | 1    |
| 4        | 3/8 SPRING WASHER                             |          |          |                 | 2    |
| 5        | 3/8 x 3/4 UNF                                 | S11011   |          |                 | 1    |
| 6        | M10 x 20 SET SCREW                            | SM1025   |          |                 | 1    |
| 7        | 3/8 x 1 UNF SET SCREW                         |          |          |                 | 1    |
| 8        | M10 NYLOC NUT                                 | NNM10    |          |                 | 1    |
| 9        | WASHER M10 FORM C Z/C                         | WM10C    |          |                 | 1    |
| 10       | TOP BELT GUIDE FAB                            | AB029    |          |                 | 2    |
| 11       | SPRING  | AM90519  |          |                 | 1    |
| 12       | PRIMARY CUTTER TWIN PULLEY                    | AM89408  | AM94027  | AM94027         | 1    |
| 13       | CABLE ANCHOR PLATE FAB                        | BSG012   |          |                 | 1    |
| 14       | MIDDLE BELT GUIDE                             | AB1000   |          |                 | 1    |
| 15       | M10 x 20 SET SCREW                            | SM1020   |          |                 | 1    |
| 16       | BOTTOM BELT GUIDE ASSY                        | AB009    |          |                 | 1    |
| 17       | SET SCREW M6 x 45 ZC                          | SM645    |          |                 | 2    |
| 18       | BEARING 12mm 6001 2RS                         | AM82104  |          |                 | 4    |
| 19       | V-BELT PULLEY                                 | AM92406  |          |                 | 1    |
| 20       | WASHER M6 FORM D                              | WM6D     |          |                 | 2    |
| 21       | SET SCREW M6 x 30 ZC                          | SM630    |          |                 | 2    |
| 22       | L' SHAPED BELT GUIDE                          | BG007    | D0045    | D0045           | 1    |
| 23       | CUTTER CLUTCH ARM FAB                         | BSG002   | BG015    | BG015           | 1    |
| 24       | 3/4 LOCKNUT                                   | N11013   |          |                 | 1    |
| 25       | CUTTER CLUTCH PIVOT                           | BSG1041  | DO4000   | DO4000          | 1    |
| 26       | PULLEY - CUTTER CLUTCH JOCKEY                 | BSG1034  | BG1022   | BG1022          | 1    |
| 27       | CUTTER CLUTCH JOCKEY                          | BSG1033  | BG1021   | BG1021          | 1    |
| 28       | 1/4" X 21mm KEY                               | AM81011  |          |                 | 1    |
| 29<br>30 | CABLE RETAINING PLATE<br>SET SCREW M6 x 25 ZC | AB008    |          |                 | 1    |
| 30<br>31 | CUTTER BELT                                   | SM625    |          |                 | 2    |
| 32       | COTTER BELT<br>CABLE CUTTER CLUTCH            | AM91451  |          |                 | 1    |
| 3∠       | CABLE CULLER CLUICH                           | BSG1077  |          |                 | Ī    |

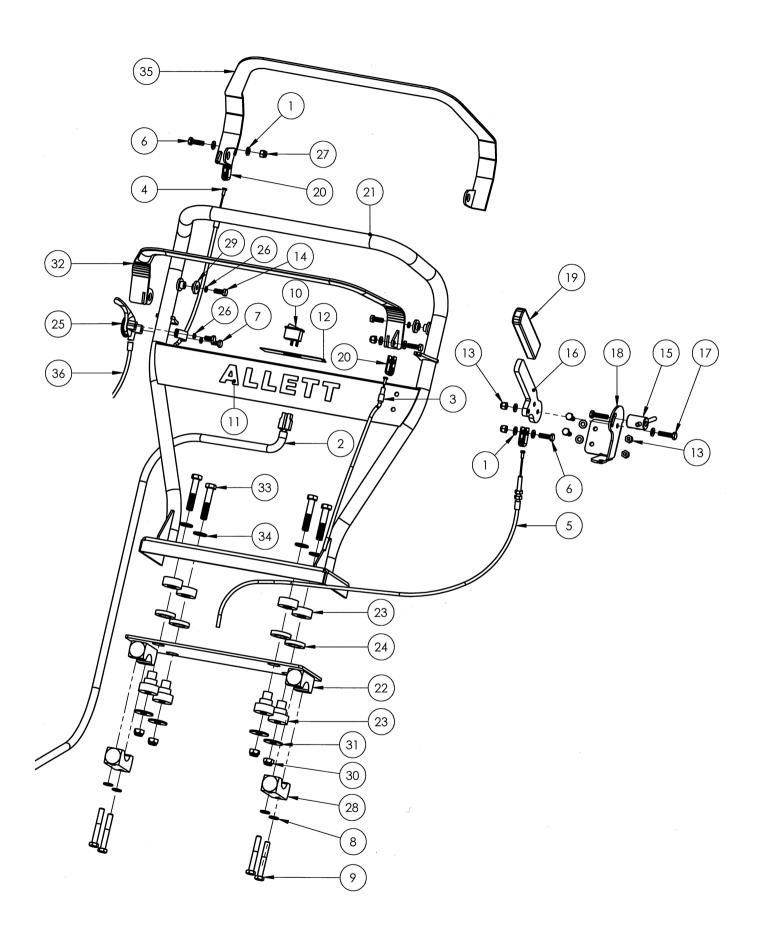
### MODEL BU20, BU24 & BU27:- Rear Roller Drive Assembly (FIG 6)



# MODEL BU20, BU24 & BU27:- Rear Roller Drive Assembly BOM (FIG 6)

| ITEM NO. | DESCRIPTION                            | <b>PART 20"</b> | PART 24" | <b>PART 27"</b> | USED |
|----------|--|-----------------|----------|-----------------|------|
| 1        | NUT M8 NYLOC                           | NNM8            |          |                 | 1    |
| 2        | BEARING 20mm 6004 2RS                  | AM81007         |          |                 | 1    |
| 3        | SMALL COMPOUND                         | BSG025          |          |                 | 1    |
| 4        | 9mm BEARING                            | AM90513         |          |                 | 1    |
| 5        | COMPOUND CENTRE                        | BSG008          |          |                 | 1    |
| 6        | COMPOUND STUD 3/8 x 33                 | BSG1069         |          |                 | 1    |
| 7        | TOP SPROCKET                           | BSG022          |          |                 | 1    |
| 8        | SPACER FLYWHEEL 50 x 11.2 x 5mm        | AFK1201         |          |                 | 1    |
| 9        | NUT 3/8 UNF NYLOC                      | N11002          |          |                 | 2    |
| 10       | M8 FLAT WAHSER FORM C                  | WM8C            |          |                 | 1    |
| 11       | SECONDARY DRIVE CHAIN                  | AM89436         |          |                 | 1    |
| 12       | CHAIN TENSIONER SLEEVE                 | BSG1038         |          |                 | 1    |
| 13       | CHAIN TENSIONER FAB                    | AC010           |          |                 | 1    |
| 14       | WASHER M10 FORM B                      | WM10B           |          |                 | 2    |
| 15       | SET SCREW 3/8 x 3/4                    | S11011          |          |                 | 1    |
| 16       | SPRING WASHER M10                      | SWM10           |          |                 | 1    |
| 17       | DISTANCE PIECE (REAR ROLLER)           | BSG1044         |          |                 | 1    |
| 18       | REAR ROLLER SPROCKET WITHOUT EXTENSION | BG008           |          |                 | 1    |
| 19       | GROOVED PIN 3mm DIA                    | AM81577         |          |                 | 1    |

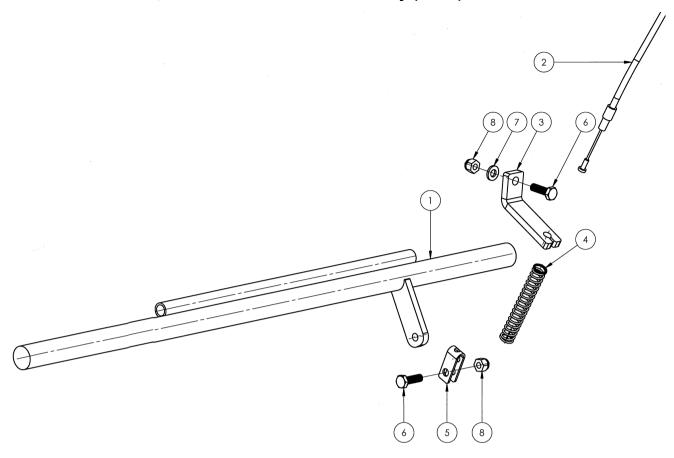
### MODEL BU20, BU24 & BU27:- Top Handle Assembly (FIG 7)



# MODEL BU20, BU24 & BU27:- Top Handle Assembly BOM (FIG 7)

| ITEM NO.       | DESCRIPTION                 | PART 20" | PART 24" | PART 27" | USED   |
|----------------|-----------------------------|----------|----------|----------|--------|
| 1              | WASHER M6                   | WM6      |          |          | 6      |
| 2              | ON-OFF SWITCH HARNESS ASSEM | BSG035   |          |          | 1      |
| 3              | CABLE CUTTER CLUTCH         | BSG1077  |          |          | 1      |
| 4              | CABLE ROLLER DRIVE          | BSG1078  |          |          | 1      |
| 5              | CABLE CUTTER CLUTCH         | BSG1077  |          |          | 1      |
| 6              | HEX SET SCREW               | SM620    |          |          | 3      |
| 7              | M6 X 12 SET SCREW           | SM612    |          |          | 2      |
| 8              | SRING WASHER M8             | SWM8     |          |          | 4      |
| 9              | 5/16 UNF X 2 1/4"           | B11001   |          |          | 4      |
| 10             | SWITCH ON-OFF ROCKER        | AM85043  |          |          | 1      |
| 11             | ALLETT HANDLEBAR DECAL      | AM81543  |          |          | 1      |
| 12             | ON OFF SWITCH DECAL         | AM81555  |          |          | 1      |
| 13             | NUT M6 NYLOC                | NNM6     |          |          | 4      |
| 14             | SET SCREW M6X16 Z/C         | SM616    |          |          | 2      |
| 15             | SCREWLOCK BODY FAB          | BSG046   |          |          | 1      |
| 16             | BRAKE LEVER                 | BSG1090  |          |          | 1      |
| 17             | SET SCREW M6 x 25 ZC        | SM625    |          |          | 1      |
| 18             | BRAKE LEVER BASS PLATE      | BSG1089  |          |          | 1      |
| 19             | FLAT CAP                    | AM81140  |          |          | 1      |
| 20             | YOKE ANCHOR POINT           | BSG1024  |          |          | 1      |
| 21             | TOP HANDLE FAB              | BSG093   |          |          | 1      |
| 22             | LOWER AV PLATE FAB          | BSG094   |          |          | 1      |
| 23             | UNIVERSAL MOUNT             | AM81320  |          |          | 4      |
| 24             | SPACER FOR A/V MOUNTING     | BSG1207  |          |          | 4      |
| 25             | THROTTLE LEVER RH           | AM82177  |          |          | 1      |
| 26             | SPRING WASHER M6            | SWM6     |          |          | 4      |
| 27             | NUT NYLOC M6                | NNM6     |          |          | 2<br>2 |
| 28             | HANDLE BAR CLAMP            | BSG1020  |          |          | 2      |
| 29             | BAR - LEVER MOUNT           | BSG1081  |          |          | 2      |
| 30             | NUT NYLOCK 3-8 UNF BZP      | N11002   |          |          | 4      |
| 31             | FLAT WASHER M10 FORM G      | WM10G    |          |          | 4      |
| 32             | CUTTER LEVER                | BSG038   |          |          | 1      |
| 33             | BOLT 3/8 UNF x 2 ZC         | B11009   |          |          | 4      |
| 34             | M10 FLAT WASHER             | WM10     |          |          | 4      |
| 35             | ROLLER DRIVE LEVER FAB      | BSG039   |          |          | 1      |
| 36             | THROTTLE CABLE              | AM81576  |          |          | 1      |
| - <del>-</del> |                             |          |          |          | -      |

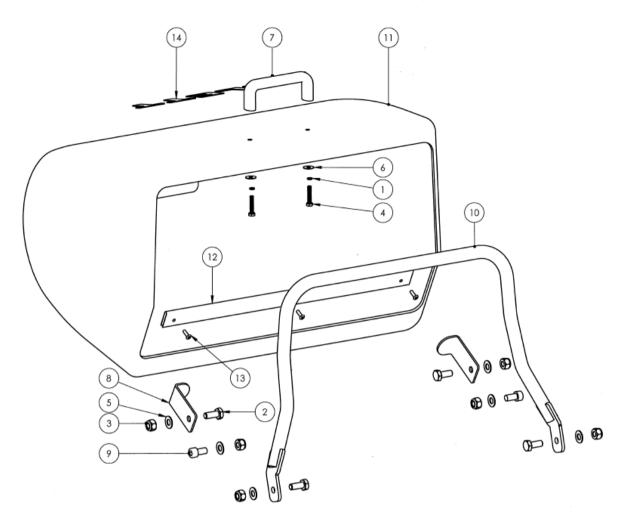
#### MODEL BU20, BU24 & BU27:- Brake Assembly (FIG 8)



# MODEL BU20, BU24 & BU27:- Brake Assembly BOM (FIG 8)

| ITEM NO. | DESCRIPTION          | PART 20" | PART 24" | PART 27" | USED |
|----------|----------------------|----------|----------|----------|------|
| 1        | BRAKE SWIVEL FAB     | BSG043   | BSG044   | BSG034   | 1    |
| 2        | CABLE CUTTER CLUTCH  | BSG1077  |          |          | 1    |
| 3        | BRAKE CABLE RETAINER | BS1002   |          |          | 1    |
| 4        | SPRING               | AM90519  |          |          | 1    |
| 5        | YOKE ANCHOR POINT    | BSG1024  |          |          | 1    |
| 6        | SET SCREW M6 x 20    | SM620    |          |          | 2    |
| 7        | WASHER M6            | WM6      |          |          | 1    |
| 8        | NUT M8 NYLOC         | NNM6     |          |          | 2    |

### MODEL BU20, BU24 & BU27:- Grassbox Assembly (FIG 9)



# MODEL BU20, BU24 & BU27:- Grassbox Assembly BOM (FIG 9)

| ITEM NO. | DESCRIPTION                    | PART 20" | PART 24" | <b>PART 27"</b> | USED |
|----------|--------------------------------|----------|----------|-----------------|------|
| 1        | SPRING WASHER M6               | SWM6     |          |                 | 2    |
| 2        | SET SCREW M10 x 25             | SM1025   |          |                 | 4    |
| 3        | M10 NYLOC NUT                  | NNM10    |          |                 | 6    |
| 4        | SET SCREW M6 x 30              | SM630    |          |                 | 2    |
| 5        | WASHER M10                     | WM10     |          |                 | 6    |
| 6        | WASHER M6 FORM G               | WM6G     |          |                 | 2    |
| 7        | GRASSBOX HANDLE                | EL1086   |          |                 | 1    |
| 8        | GRASSBOX BRACKET STOP          | AB1103   |          |                 | 2    |
| 9        | M10 x 20 CAP HEAD              | SCM1020  |          |                 | 2    |
| 10       | GRASSBOX HOOP FAB              | BSG213   |          |                 | 1    |
| 11       | GRASSBOX                       | AM89511  | AM89510  | AM92510         | 1    |
| 12       | GRASSBOX STIFFENER             | BSG006   |          |                 | 1    |
| 13       | POP RIVET 4.8 DIA x 16mm STEEL | PR4816   |          |                 | 3    |
| 14       | ALLETT GRASSBOX DECAL          | AM81544  |          |                 | 1    |

# **Notes**