



G-SERIES CASSETTE MOWER

INSTRUCTION MANUAL



Product Application Matrix

Applications	FT Range	Razor Ultra	Razor	Simplex Range	SuperSix Range	G660 G760 G860	G26D G30D G34D	Premier Range	Verticut TT	S500 PLUS	Bray Hand Tools
Bowls, Croquet, Tennis	●	●	●		Croquet and Tennis only	Croquet and Tennis only	Croquet and Tennis only	Tennis Only	●	●	●
Football, Hockey, Rugby						●	●	●		●	
Cricket – Wicket	●	●	●						●	●	●
Cricket – Square	●	●	●	●	●	●	●	●	●	●	●
Cricket – Outfield						●	●	●			
Golf – Tees	●	●	●	●	●	●	●		●	●	●
Golf – Greens	●	●	●						●	●	●
Ornamental/Lawns	●			●	●	●	●	●	●	●	●
Local Authority/Contractors	●	●	●	●	●	●	●	●	●	●	●



NOTE:-

THIS INFORMATION IS INTENDED FOR GUIDANCE PURPOSES ONLY. WE RECOMMEND THAT YOU DISCUSS YOUR SPECIFIC REQUIREMENTS WITH OUR HEAD OFFICE, SALES MANAGERS OR YOUR LOCAL DENNIS DEALER

CERTIFICATE OF CONFORMITY

G-Series Cylinder mowers powered by Honda GX Petrol Engine

Manufacturer:- Howardson Ltd, Howardson Works, Kirk Langley, Derby, DE6 4NJ. UK

Owner of Technical Document:- Mr I.D. Howard, Howardson Ltd, Howardson Works Kirk Langley, Derby, DE6 4NJ, UK

I the under signed Declare that these machines:-

Model	Cutting Width	Power (Honda)	Measured Sound Power Level	Guaranteed Sound Power Level	Serial Number
G660	26" (660mm)	GX160	95 Lwa	98dB Lwa	See product ID Range
G760	30" (760mm)	GX160	95 Lwa	98dB Lwa	See product ID Range
G860	34" (860mm)	GX200	95 Lwa	98dB Lwa	See product ID Range

Tested at:- Howardson Works test site September 2011

Complies with the applicable requirements of:-

- Machine Directive 2006/42/EC
- Noise Directive 2000/14/EC (Annex VI Procedure 1)

Managing Director



Ian Howard

SERIAL NUMBERS



NOTE:-

MAKE A NOTE OF THE SERIAL NUMBER OF YOUR MACHINE AND ALWAYS QUOTE IT IN ANY COMMUNICATION WITH PERSONNEL AT DENNIS.

MACHINE SERIAL NUMBER

ENGINE SERIAL NUMBER

INTRODUCTION

The reliability and quality of performance of the **DENNIS G-SERIES** depends upon some simple care maintenance carried out regularly. This manual has been prepared to allow the user to carry out all such work.

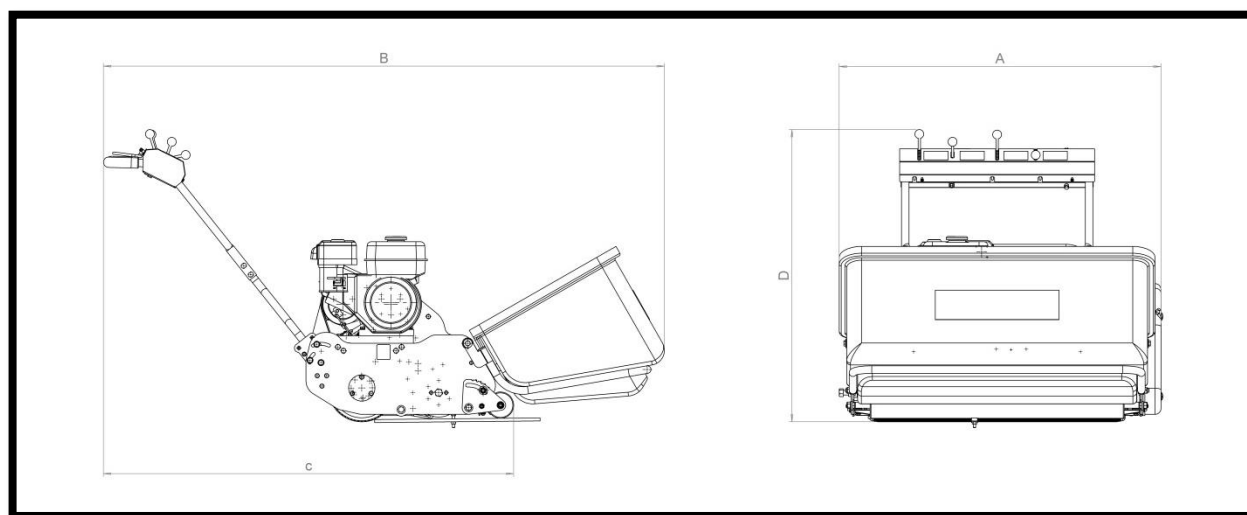
It is advisable to read the instructions carefully. Proper care and attention will enable the machine to give a continuous, satisfactory, and reliable service. Failure to carry out regular lubrication and maintenance as outlined in this manual may render any guarantee or warranty invalid.

In the case of any difficulty, or if further information or advice is required, our Service Department is always at your call. In the interests of speed and accuracy of information please quote the serial numbers of the machine and engine when making enquiries.

For the machine, this is to be found on a plate attached to the side frame. The engine number is stamped on either the crank case or the gear casing facing towards the front of the machine. We suggest you write the numbers on the front page of this book.

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TECHNICAL DATA



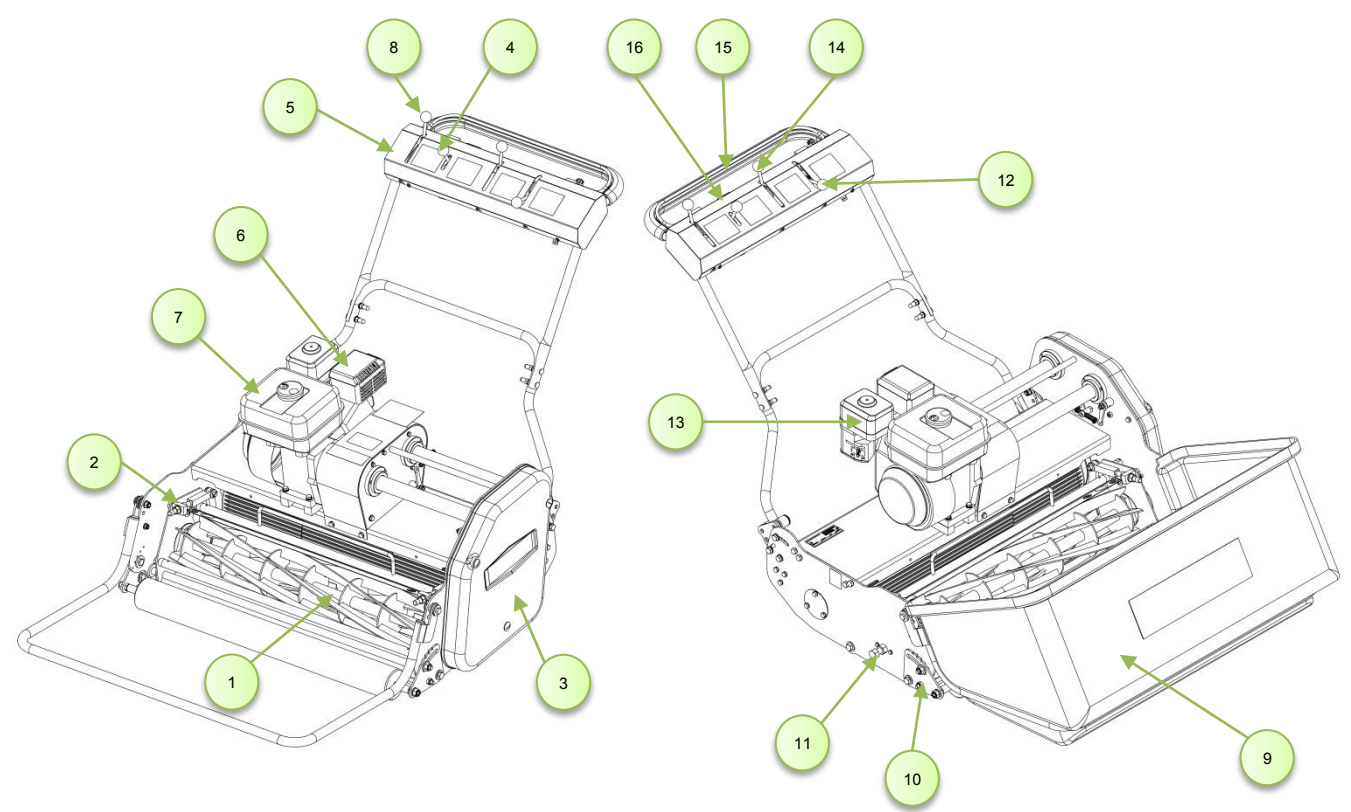
MODEL	G660	G760	G860
A – WIDTH (mm)	884	984	1084
B – LENGTH with Grass Box (mm)	1635	1635	1635
C – LENGTH without Grass Box (mm)	1121	1121	1121
D – Height (mm)	1119	1119	1119
Weight (Kg)	148	156	166
Cutting Width (mm)	660	760	860
Cylinder (Number of Blades)	6, 8	6, 8	4, 6, 8, 11
Height of Cut (mm)	9 - 56	9 - 56	9 - 56
Cut Performance (Clips/M) (4 Blade)	-	-	68
Cut Performance (Clips/M) (6 Blade)	103	103	103
Cut Performance (Clips/M) (8 Blade)	137	137	137
Cut Performance (Clips/M) (11 Blade)	-	-	189
Engine	Honda GX160	Honda GX160	Honda GX200
Drive System	"V" Belt	"V" Belt	"V" Belt
Final Drive	Poly "V" high performance belts under constant tension	Poly "V" high performance belts under constant tension	Poly "V" high performance belts under constant tension
Hand Arm Vibration	2.6	2.6	2.6
Measured Sound Power Level	95	95	95
Guaranteed Sound Power Level	98	98	98

Manufactured with a 26" (66cm), 30" (76cm) or 34" (86cm) cutting width, this range of machines are powered by either a 5.5hp (26" & 30") or 6.5hp air cooled, single cylinder, four stroke petrol engine.

The rear roller and cutter are controlled independently via belt clutches operated from the console on the upper handle bar. (ITEM 5). A parking brake is fitted for added safety when working on sloping ground.

In the design of the machine, special attention has been given to the importance of easy service and maintenance with the construction based on a sectional assembly system. These are the Engine Unit, the Cassette Unit, the Rear Roller Unit and the Front Roller Unit, each of which can be readily removed individually from the main Frame Chassis Unit.

The interchangeable cassette system allows a variety of cassettes to be used for varying applications.



NUMBER	PART	NUMBER	PART
1	Cassette	9	Grass Box
2	Bottom Blade Adjuster Knob	10	Cutting Height Adjustment
3	Belt Guard	11	Cassette Retaining Pin
4	Throttle Control Lever	12	Cassette Control Lever
5	Operating Console	13	Air Filter
6	Exhaust	14	Driving Control Lever
7	Fuel Tank	15	Deadman's Handle
8	Brake lever	16	On/Off Switch

In order to operate the machine safely please follow these Health and Safety guidelines

TRAINING



CAUTION – READ THE INSTRUCTIONS CONTAINED IN THIS MANUAL WITH CARE. IF YOU ARE IN ANY DOUBT PLEASE ASK YOUR EMPLOYER OR CONTACT US DIRECT AT **DENNIS**

- Be familiar with the controls and the proper use of the equipment.
- Never allow children or people unfamiliar with these instructions to use the mower. Local regulations or insurance may restrict the age of the operator.
- Never mow while people, especially children, or pets are near by.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to the other people or their property.

PREPARATION

- While mowing always wear substantial footwear and long trousers. Do not operate the mower barefoot or in open sandals.
- Thoroughly inspect where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.



WARNING – PETROL IS HIGHLY FLAMMABLE AND WILL DAMAGE GRASS IF SPILT.

- A. Store fuel in containers specifically designed for this purpose.
 - B. Refuel out doors and do not refuel whilst smoking.
 - C. Add fuel before starting the engine. Never remove the cap of the fuel tank or petrol while the engine is running or when the engine is hot.
 - D. If petrol is spilt do not attempt to start the engine but move the machine away from the area of spill and avoid creating and sources of ignition until the vapours have dissipated.
- Replace damaged or faulty silencers.
 - Before using the machine always inspect the safety devices including the cut off switch and the blades for excessive wear or damage. Replace if necessary.

OPERATION

- Do not operate the engine in a confined space where dangerous CARBON MONOXIDE fumes can collect.
- Mow only in daylight or good artificial light
- Avoid operating the machine in wet grass where feasible.
- Always be sure of your footing on slopes.
- Walk. Never run.
- Walk across the face of slopes, never up and down.
- Exercise extreme care on slopes when changing direction.
- Do not mow excessively steep slopes.
- Use extreme caution when reversing or pulling the machine towards you.
- Stop the blades in the mower has to be tilted for transportation when crossing surfaces other than grass and when transporting the mower to and from the area to be mown.
- Never operate the mower with defective guards or shields or without safety devices, for example without the deflector plate or grassbox in place.
- Do not change the engine governor settings or over speed the engine.
- Disengage all blades and drive clutches before starting.
- Start the engine carefully following the instructions with feet well away from the blades.
- Do not tilt the mower when starting the engine.
- Do not put hands or feet near the under rotating parts. Keep clear of the discharge opening at all times.
- Never pick up or carry the mower while the engine is running.

FOR THE LOCATION OF CONTROLS AND COMPONENTS REF “MACHINE DESCRIPTION” PAGE.

ON / OFF SWITCH (ITEM 16)

This switch stops the engine and can be used to do so at anytime during the operation of the machine. Ensure it is in the “ON” position before attempting to start the engine.

DEADMANS CONTROL (ITEM 15)

This is an operator presence control. The engine will tick over without need for this to be depressed when the cylinder and drive are disengaged. This must be depressed before the drive or cylinder can be engaged. Failure to do so will cause the engine to stop.



NOTE – IF THE “DEADMANS CONTROL LEVER” IS DEPRESSED WHILE THE PARKING BRAKE IS ON THE ENGINE WILL STOP.

PARKING BRAKE CONTROL (ITEM 8)

This controls the parking brake. It is only to be engaged when the machine is stationary, it is NOT to stop the machine. Push lever forwards to engage and pull back to disengage.



NOTE - THE “PARKING BRAKE” NEEDS TO BE DISENGAGED FOR THE ENGINE TO CONTINUE TO RUN.

THROTTLE CONTROL (ITEM 4)

This controls the RPM of the engine and the resultant speed of the machine. Pushing the lever forwards will increase the RPM, pulling it back returns the engine to idle.

DRIVE CONTROL (ITEM 14)

This controls the machine movement. Pushing the lever forwards will engage the belt clutch and cause the machine to drive. Returning it to the original position will cause the machine to stop.

CYLINDER CONTROL (ITEM 16)

This controls the cylinder drive. Pushing the lever forwards will engage the belt clutch and cause the cylinder to rotate. Returning it to the original position will cause the cylinder to stop.



CAUTION – BEFORE YOU OPERATE THIS MACHINE **YOU MUST READ AND STUDY THIS MANUAL IF YOU ARE IN ANY DOUBT PLEASE ASK YOUR EMPLOYER OR CONTACT US DIRECT.**

PREPARATION FOR USE

- Before commencing ensure the turf is free from stones and other obstructions which may damage the cassette unit.
- Set the height of the cut to the required level. (see general adjustments)
- Check the engine
- Fill the fuel tank 3/4 full with unleaded petrol.
- Always check the oil levels of the machine prior to commencing. Full details are given in the ENGINE manual, which accompanies this book. A daily check is recommended. (Recommended grade oil is SAE 10W-40).
- Disengage the cassette unit. (see general adjustments)
- Set the throttle control on the handle to the idle position.



CAUTION – **IMPORTANT INFORMATION** PLEASE READ ALL THE DETAILS IN THIS SECTION AND FAMILIARIZE YOURSELF AND ALL MACHINE OPERATORS WITH THE CONTENTS.

STARTING THE ENGINE

Once the preparatory steps have been completed as outlined on page 7 the engine may be started. (see manufacturer operating manual for full details).

1. Switch on the fuel tap.
2. Switch the handlebar “off switch” to **ON**, or depress deadmans handle.
3. Set the throttle control to a half open position.
4. Shift the choke lever to the appropriate position (Kubota engine set to START : Honda engine set to the close position). The choke is not required if the engine is warm or the air temperature is high.
5. Grasp the recoil start handle until resistance is felt, then pull it with force.
6. Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starting position.
7. Once the engine is started, gradually ‘open’ the choke lever (move the lever towards the RUNNING, or OPEN position). Warm-up running of 3-5 minutes is recommended.

STOPPING THE ENGINE

1. Set the throttle control to the CLOSED position.
2. Switch the handlebar cut off to OFF or release deadmans handle.
3. Close the fuel tap.

TO COMMENCE DRIVING (TRANSPORT BETWEEN SITES / NO CUTTING)

- Ensure the “parking Brake” is disengaged.
- Depress the “Deadmans Handle” (Item 15)
- Push the “Drive Control Lever” (Item 14) forwards.
- Set the “Throttle Control Lever” to increase / reduce speed.

TO STOP DRIVING

- Pull the “Drive Control Lever” (Item 14) backwards.

TO COMMENCE CUTTING

- Depress the “Deadmans Handle” (Item 15)
- Push the “Cylinder Control Lever” (Item 16) forwards.
- Push the “Drive Control Lever” (Item 14) forwards.
- Set the “Throttle Control Lever” to increase / reduce speed.

TO STOP CUTTING

- Pull the “Drive Control Lever” (Item 14) backwards.
- Pull the “Cylinder Control Lever” (Item 16) backwards.
- Release the “Deadmans Handle” (item 15)



NOTE – *Releasing the “Deadmans Control Lever” with the cutter engaged will cause the engine to stop.*

FITTING THE GRASSBOX (Item 9)

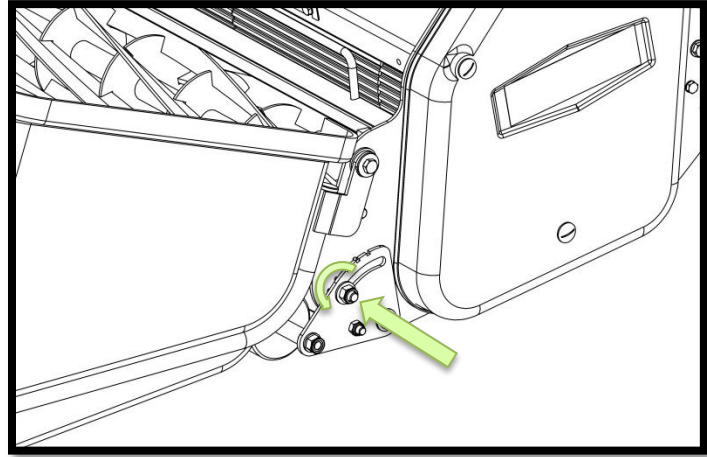
- Disengage the cylinder drive and wait for the cutter to stop rotating.
- Hold the grassbox firmly on the lid of the aperture, place the lower front of the box against the front of the tubular cradle.
- Pivot the box about the cradle until it sits securely in position.

SETTING FOR HEIGHT OF CUT

Always stop the engine before adjusting the height of cut. Failure to do this may result in serious injury. The length of grass after cutting and the depth of SCARIFICATION / DETHATCHING / BRUSHING, depends on the setting of the front roller in relation to the main frame of the machine.

To set:

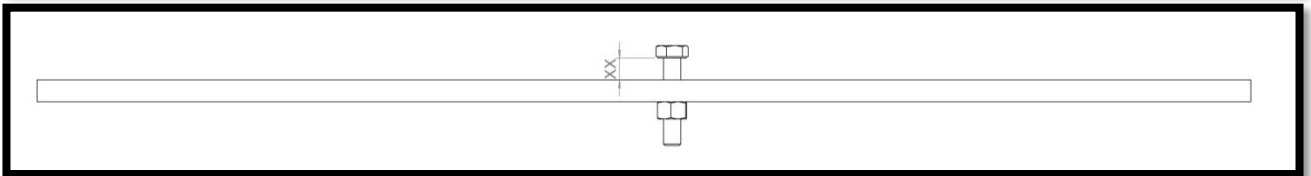
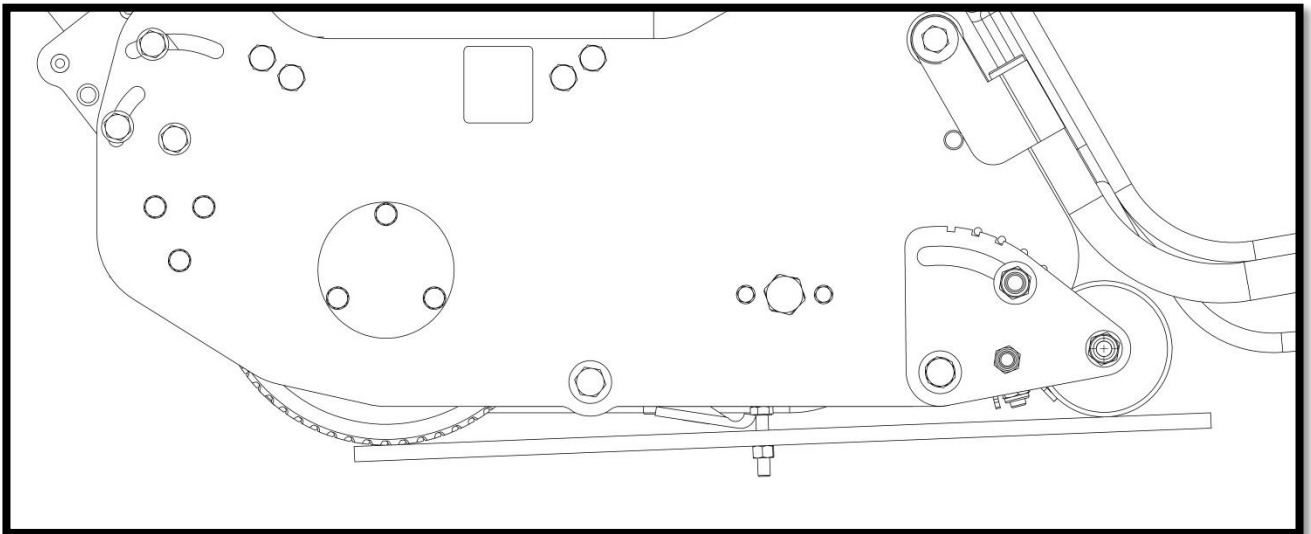
- Slacken the clamp nuts on the front roller quadrants (see image opposite) [19mm spanner]
- Rotate the quadrants, raising and lowering the machine. As a guide, there are notches in the quadrant and holes in the side plate. Align these on both sides to level the machine,



NOTE – DO NOT ATTEMPT TO USE THE DETHATCHING CASSETTES OR BRUSH CASSETTES ON TOO LOW A SETTING AS THIS WILL RESULT IN DAMAGE TO THE BLADES AND BRUSHES.



NOTE – DO NOT ATTEMPT TO SCARIFY ON TOO LOW A SETTING WHEN THE GROUND CONDITIONS ARE DRY AS THIS MAY CAUSE THE CLUTCH TO SLIP.



To check the height of cut and that the machine is level, the setting bar can be used (229524). Place the bar between the front and rear rollers, resting the underside of the bolt head on the lip of the shear blade.

A ruler can be used to set the setting bar to the correct position. You are measuring the distance between the bar and the underside of the button head screw. ('XX' in the image above)

Remember height of cut is effected by moisture of turf , weight of machine and the thatch density. Different makes of machine cut at different heights when set to the same position with the setting bar. We suggest you set it to a couple of mm above your planned height and then come down in height by trial.

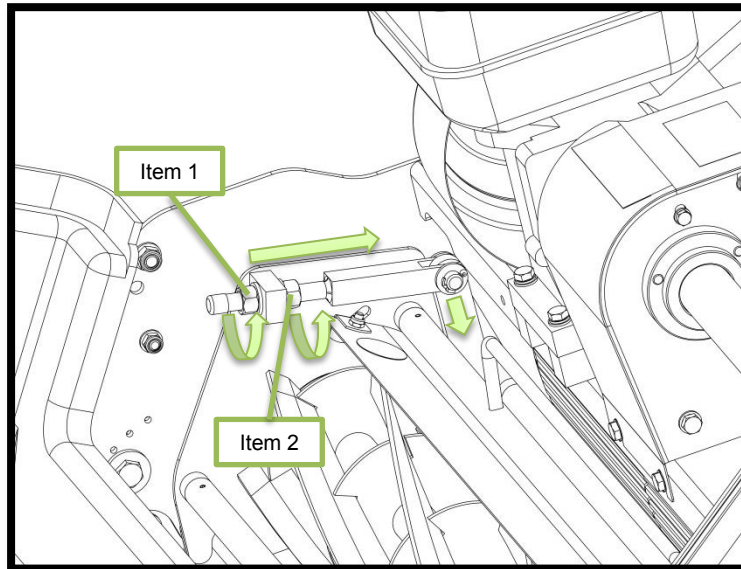
Always check height of cut/operation with the setting bar provided. Check in two positions i.e. one at either end of the cassette. Failure to do this could result in an uneven cut.

SETTING THE CYLINDER

The Cylinder cassette can be set either in or out of the machine. To remove the cassette see following page.

To Set:

- Slacken 2-off lock nuts (Item 1) [19mm spanner]
- Rotate nut (Item 2) anti-clockwise to bring the blade towards the cylinder.
- Check the setting using thin paper along the length of the cylinder.
- Adjust until it cuts across the whole length.
- When set, tighten the lock nut (Item 1)
- Recheck adjustment.
- DO NOT set the cylinder hard to the bottom blade. This will cause excessive wear of both components and increase fuel consumption.

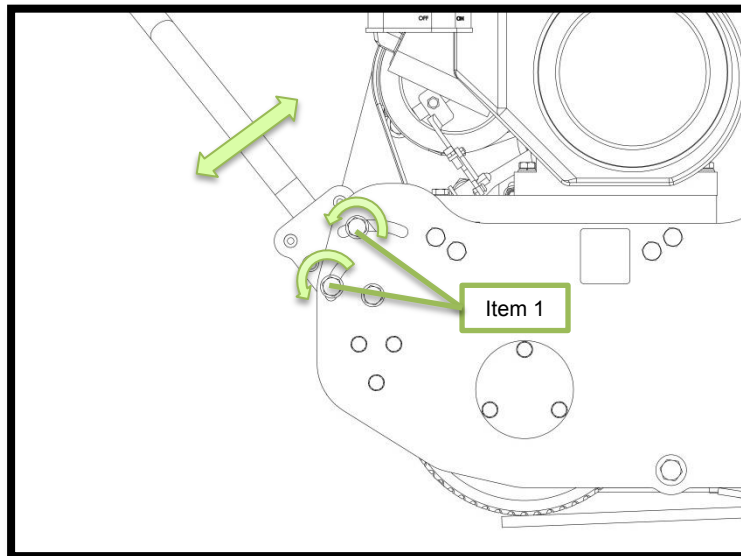


HANDLEBAR ADJUSTMENT

The "Handle Bars" are adjustable to achieve the correct working height for the operator.

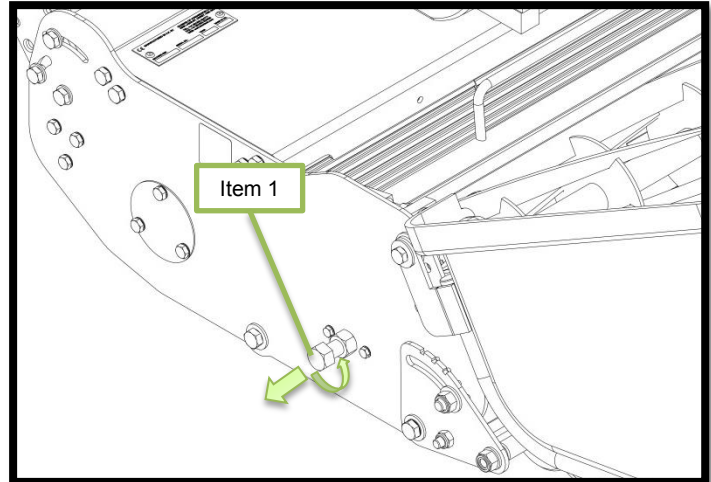
To Set:

- Slacken off 4-off nuts (Item 1) $\frac{1}{4}$ " turn [17mm spanner]
- Raise / lower the "Handle Bar" to the desired position.
- When set, tighten the nuts (Item 1)



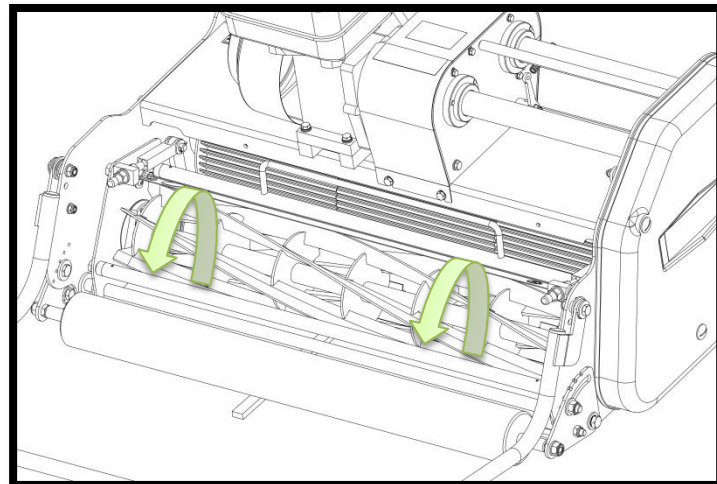
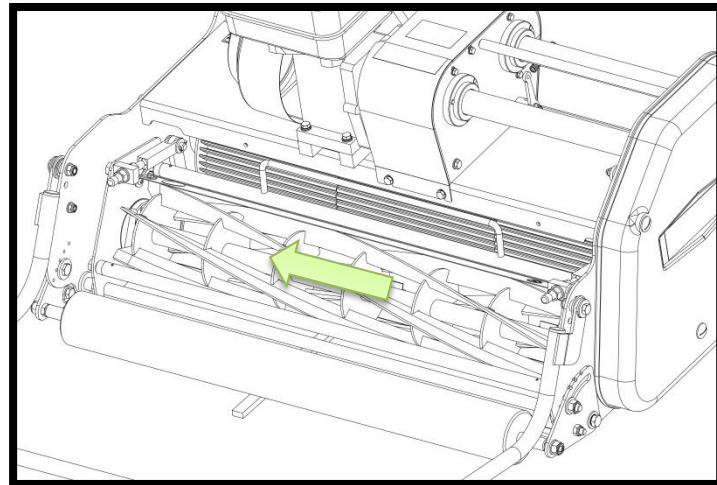
To remove the cassette unit for maintenance or to exchange cassettes the following procedure should be followed:-

1. Unscrew the bolt (Item 1) [24mm Spanner] for about half-an-inch (13mm) until the pip end is inside the nut on the side frame.
2. Slide the cassette unit along the tie bars as far as it will go until the cutter nut and coupling is clear of the three pins in the driving coupling.
3. Remove the unit from the chassis by lifting in a swinging motion from the back.



To replace the cassette unit:-

1. Place the front slots of the cassette unit frames on the two front retaining pins seen projecting from inside the frame.
2. Carefully lower the unit in a downward swinging motion until the rear slots of the cassette unit frame rest on the cross tie bar.
3. Move in a lateral direction away from the retaining pin until the three holes of the cassette nut and coupling are in full engagement with the three pins of the driving coupling.
4. Screw up the bolt (Item 1) [24mm Spanner], engaging the hole in the side frame on the opposite side. Do not over tighten.



ENGINE

The machines are fitted with a Honda GX160 or GX200 petrol engine.
For full specifications please refer to the manufacturers instruction manual included.

Area	Maintenance	First 4 Hours	First Month / 20 Hours	6 Months / 100 Hours
Engine Oil	Check Level	✓		
Engine Oil	Change		✓	✓
Air Filter	Check Condition / clean		✓	✓
Spark Plug	Change			✓

OIL / FUEL & QUANTITY – SPARK PLUG TYPE

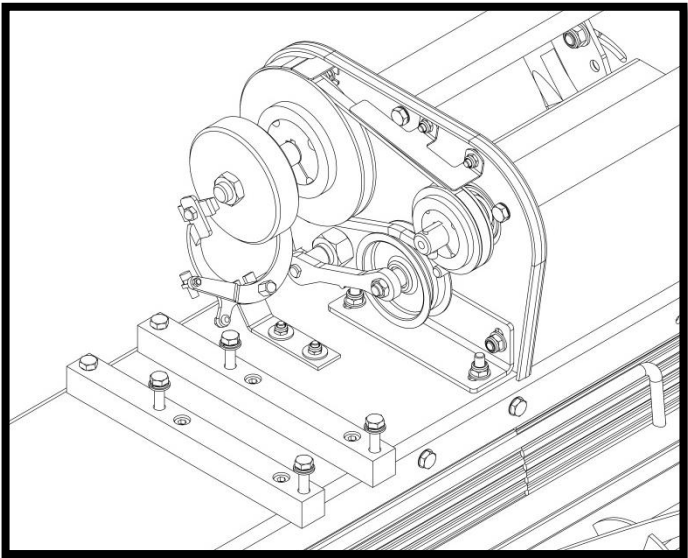
Engine Model	Oil Types	Quantity (Ltr)	Fuel Type	Capacity (Ltr)	Spark Plug Type	Electrode Gap (mm)
Honda GX160 & Gx200 Petrol	SAE 10W-40	0.6	unleaded	3.1	BM6ES or BPR6ES	0.7 – 0.8

ROLLER CLUTCH

The primary rear roller drive belt is shown in the image opposite. This is a special Kevlar V belt design for clutching applications. The Rear roller clutch pulley moves in to tension the belt via control cable. The tension in the cable can be adjusted as shown [13mm spanner]

Under tensioning this belt will lead to slip and cause rapid wear. Over tension will put excessive strain on the belt and bearings.

Under tensioning leads to belt slip, causing rapid wear; over tensioning means excessive strain on the belt and bearings. Between these two extreme conditions is a reasonable range of tension within which the belt will operate. Belt tension can be assessed by the ‘deflection’ method.



NOTE – CORRECTION CAN BE MADE BY ADJUSTMENT OF THE BELT TENSIONERS. REMOVE THE DRIVING BELT COVER. THE BELT TENSIONERS ARE RETAINED IN A SLOTTED HOLE ALLOWING ADJUSTMENT TO BE MADE ONCE THE HOLDING HEXAGON HEADED BOLTS HAVE BEEN LOOSENED. WHEN ADJUSTED CORRECTLY THE TENSIONERS SHOULD STILL ROTATE EASILY WITH FINGER PRESSURE. ENSURE THE TENSIONER BOLTS ARE SECURE BEFORE REPLACING THE COVER.

“Belts will be sufficiently tensioned if the deflection force applied at mid span to produce a deflection equal to 16mm per meter of span distance falls between 5 and 9 Newton's per Rib” (TBA Belting).

In practical terms this relates to about 5mm of deflection, under moderate finger pressure, on the non tensioner side.

If fitting new belts it is advisable to observe the drive for the first 20-30 minutes. It may be necessary to make an adjustment to compensate for the normal drop in tension during he run –in period.

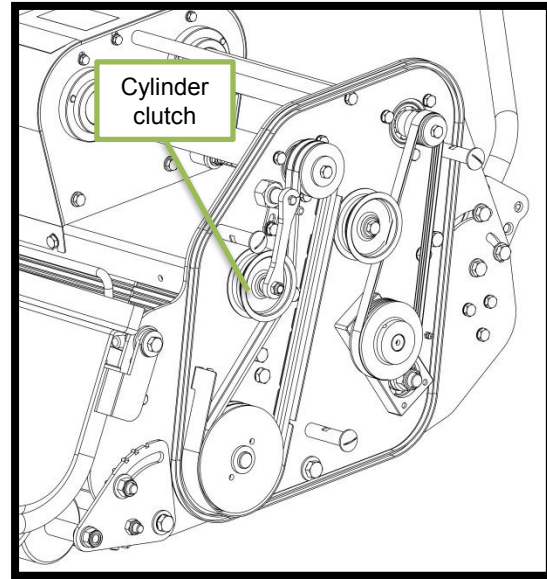
CYLINDER CLUTCH

The Cylinder drive belts are shown in the image opposite. There are special Cotton covered Kevlar cored V belts fitted in pairs and are designed for clutching applications. The cylinder clutch pulley moves into tension the belt via a control cable. The tension in the cable can be adjusted.

Under tensioning this belt will lead to slip and cause rapid wear. Over tensioning will put excessive strain on the belt and bearings.

CABLE ADJUSTMENT

Over time the cables that operate the clutch pulleys and the brake will need adjusting. This adjustment can be carried out at either end of the cables [10mm spanner]



NOTE – NEITHER CLUTCHES OR BRAKE SHOULD OPERATE WITH THE CONTROLS IN THE OFF POSITION.



NOTE – ENSURE THE LOCK NUTS ARE TIGHT AND SECURE AND CHECK OPERATION IS SATISFACTORY BEFORE REPLACING THE CLUTCH COVER AND SCREWS.

Storage

The machine should always be kept in a clean dry place, free from condensation. After use ensure that the machine is thoroughly clean, dry and free from grass and mud. Before off season storage smear a thin layer of grease on to the cutter blades and the shear blade.

Under no circumstances must the machine be steam cleaned as this may remove grease from the pre packed bearings.

Because of the nature of lead free petrol we recommend that if the machine is being left unused for more than 2 weeks the carburettor is run dry. Allow the engine to run out of fuel with the fuel tap switched off.

REAR ROLLER

(6-months)

The main drive roller is split into three sections incorporating a differential gear system running in an oil bath. The old oil should be drained off and the bath replenished with 1 pint (550ml) of clean oil.

(1-month)

A grease point is located under the belt guard on the side plate of the machine. This is to lubricate the internal spur gear that provides drive to the rear roller. Apply one pump of grease. Do not over grease.

CONTROL LEVERS AND CABLES

(2-months)

Apply a small amount of oil to the control cables. Flow down the protective cables can be assisted by operating the lever a few times after lubricating.

FRONT ROLLER ADJUSTERS

(2-months)

Apply a small quantity of copper grease or similar to the adjuster studs to prevent corrosion and ease adjustment.

G-Series Guide to Cassettes and Their Use



Order reference number:	G660 – D055-1	G760 – D053-1	D860 – D054-1
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6 BLADE CYLINDER

High quality British steel blades in a single spiral format. Incorporating easy to set cutter adjustment.



Order reference number:	G660 – D055-7	G760 – D053-7	D860 – D054-7
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8 BLADE CYLINDER

High quality British steel blades in a single spiral format. Incorporating easy to set cutter adjustment.



Order reference number:	-	-	D860 – D054-9
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11 BLADE CYLINDER

High quality British steel blades in a single spiral format. Incorporating easy to set cutter adjustment.



Order reference number:	G660 – D055-3	G760 – D053-3	D860 – D054-3
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1mm SCARIFIER

1mm thick replaceable, wear resistant blades. 12mm spacing for thatch removal throughout the season and autumn/spring renovation work.



Order reference number:	G660 – D055-4	G760 – D053-4	D860 – D054-4
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2mm SCARIFIER

2mm thick replaceable, wear resistant blades. 12mm spacing for thatch removal throughout the season and autumn/spring renovation work.



Order reference number:	G660 – D055-4TT	G760 – D053-4TT	D860 – D054-4TT
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2mm SCARIFIER TUNGSTEN TIPPED

The ultimate scarifier with tungsten tipped blades for heavy duty thatch removal throughout the season and autumn/spring renovation work .



Order reference number:	G660 – D055-5 soft	G760 – D053-5 soft	D860 – D054-5 soft
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BRUSH SOFT BRISTLE

For moss and debris removal and use as a light scarifier for final pre cut preparations.



Order reference number:	G660 – D055-5 hard	G760 – D053-5 hard	D860 – D054-5 hard
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BRUSH HARD BRISTLE

For moss and debris removal and use as a light scarifier for final pre cut preparations.



Order reference number:	G660 – D055-5 multi	G760 – D053-5 multi	D860 – D054-5 multi
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BRUSH MULTI DENSE

For moss and debris removal and use as a light scarifier for final pre cut preparations.

G-Series Guide to Cassettes and Their Use



Order reference number:

G660 – D055-2

G760 – D053-2

D860 – D054-2

VERTI-CUTTER

1mm thick 10 fingered replaceable discs. Regular use controls, thatch, lateral growth and the ingress of unwanted species such as annual meadow grass.



Order reference number:

G660 – D055-2TT

G760 – D053-2TT

D860 – D054-2TT

VERTI-CUTTER TUNGSTEN TIPPED

Gives extra durability for heavy usage.



Order reference number:

G660 – D055-6

G760 – D053-6

D860 – D054-6

SORREL ROLLER

Replaceable spikes relieves surface tension and allows penetration of air, water and fertilizer to the root zone.

6 BLADE CYLINDER

- For cutting fine turf areas.

8 BLADE CYLINDER

- For cutting fine turf areas.

Settings – Expressed as above and below ground level i.e. by placing the setting bar between the front and rear rollers, the top of the bar represents ground level.

VERTICUTTER

Used from ground +3mm to ground -3mm to control thatch, cutting lateral growths and standing up lying grasses ready for cutting and lifting with the comb. Good for removing mosses. Start on the green at (say) +3mm



NOTE – **NOT** FOR CUTTING SOIL, ONLY THATCH

RESULT – Speed improvement on greens, reduced end of season maintenance. Promotes healthy plant growth, promotes strong roots, and maximises fertilizer penetration.

SCARIFIER

Used for ground to ground -10mm controlling thatch, removing thatch, cutting lateral growth, pruning roots, removing moss, aerating top layer for ingress of water, air, fertilizer and seed. Choice of 1mm or 2mm thick blades (generally 1mm used in summer, 2mm used in winter). Do not try to cut too deep – must be adjusted to suit conditions. Keep engine revs reasonably high with a slow forward movement to remove as much material as possible. The machine may tend to walk along on its own in some conditions.

RESULT – Speed increase of playing surface. Maximises fertilizer penetration & promotes strong healthy plant growth and strong roots.

BRUSH

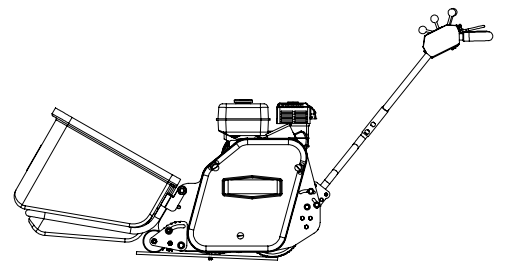
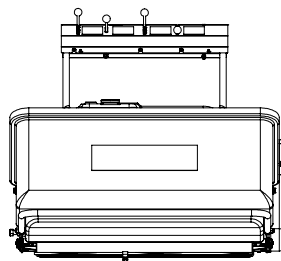
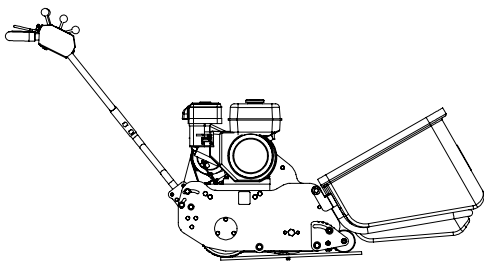
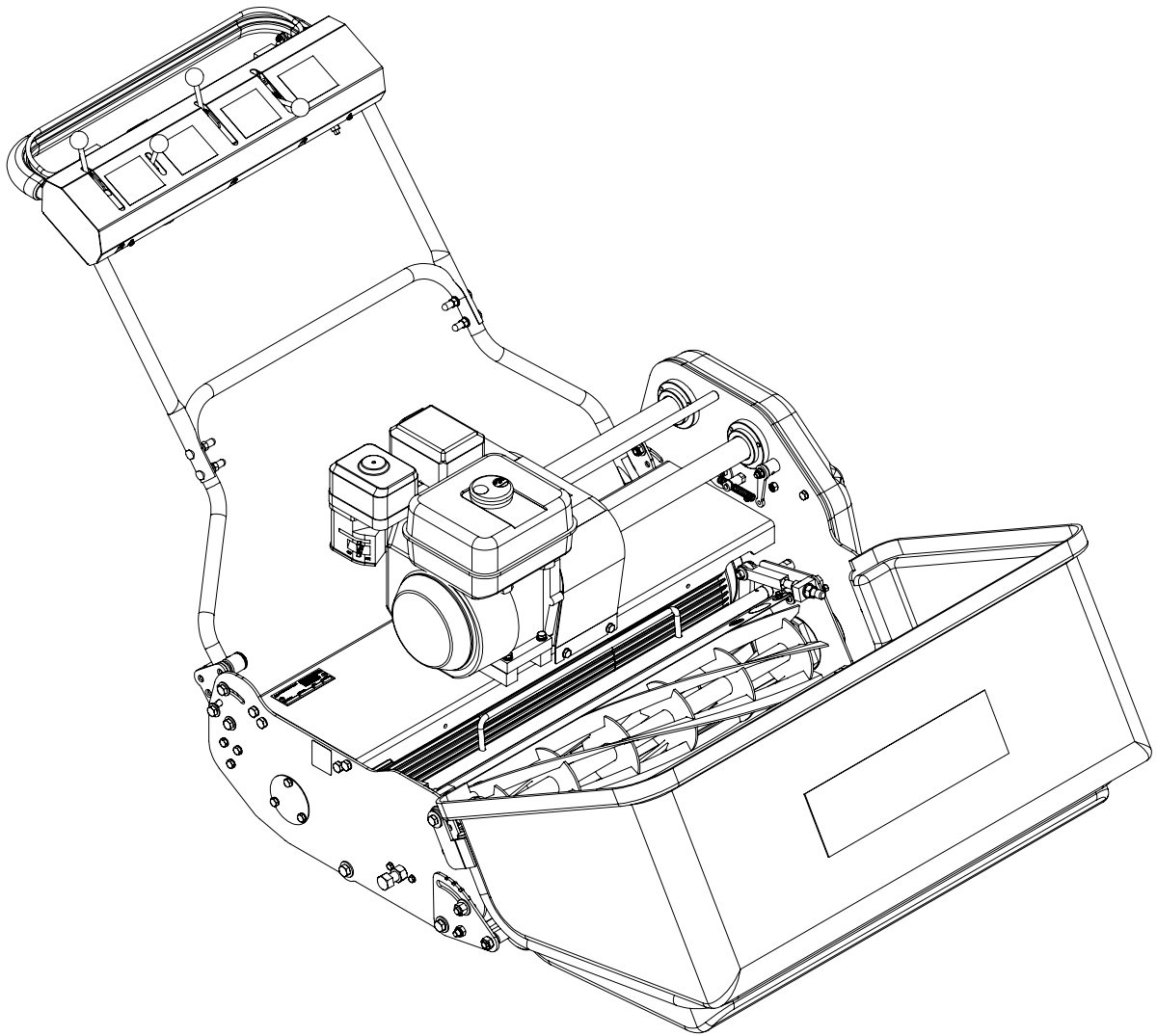
Used for light scarifying, brushing, removing debris, cigarette ends, pine needles, moss, excess top dressing etc. set at +3mm to +1mm for ground debris depending on conditions. Remove comb.

SORREL ROLLER NOT DRIVEN

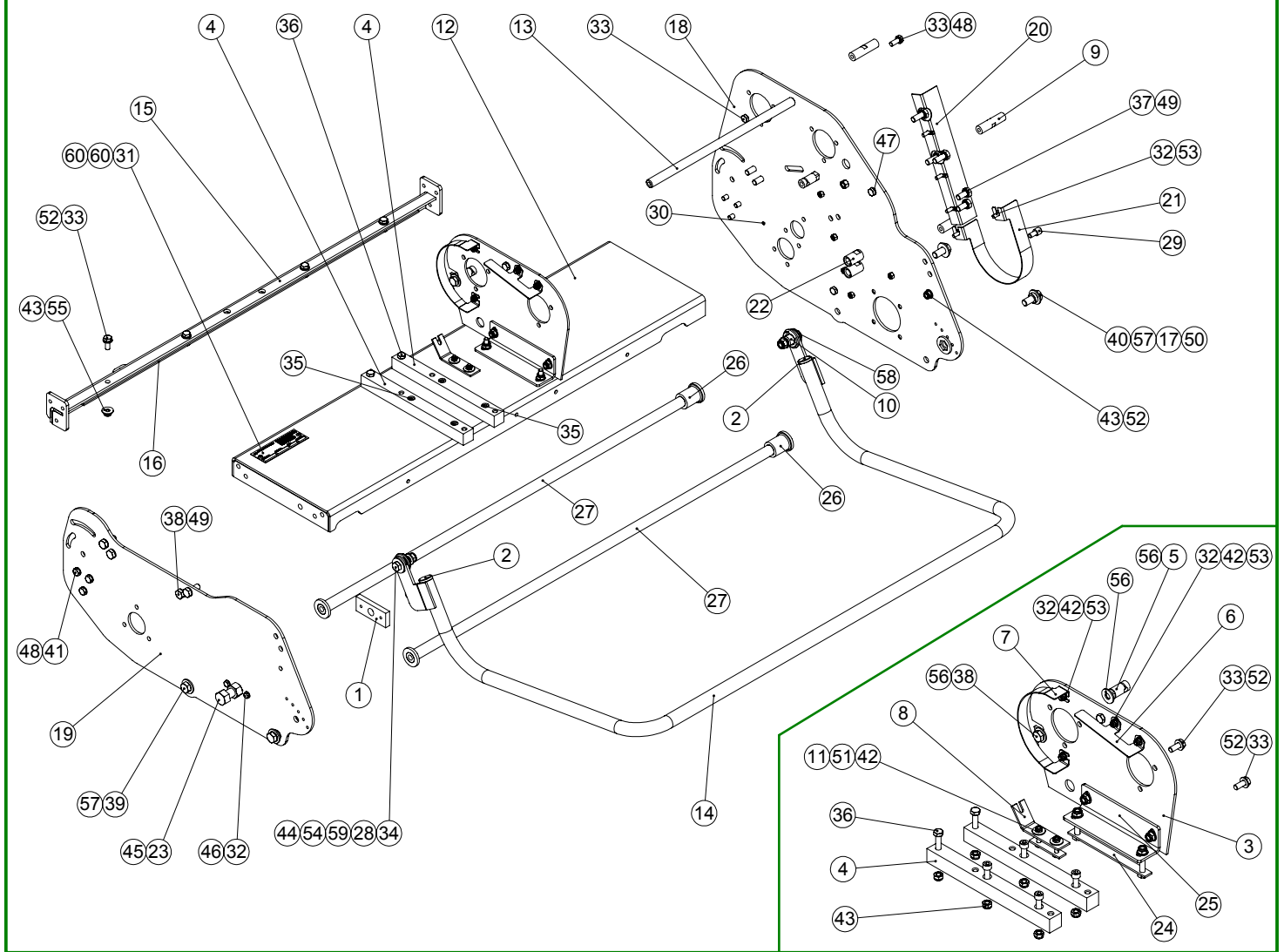
Used for surface pricking. Lets air, water fertilizer into the root zone. Good for over seeding and preparing damaged areas for repair. Reduces surface tension.

	Bowls	Cricket	Golf
Verticutter	Monthly	Fortnightly	Monthly
Scarifier	1-2 months	1-2 months	1-2 months
Brush	As required	As required	As required
Ironing roller	Match days	Pre-season	As required
Sorrel Roller	1-2 weeks	Monthly / Repairs	Monthly / Repairs

G-SERIES - PARTS BOOK



CHASSIS - MAIN ASSEMBLY



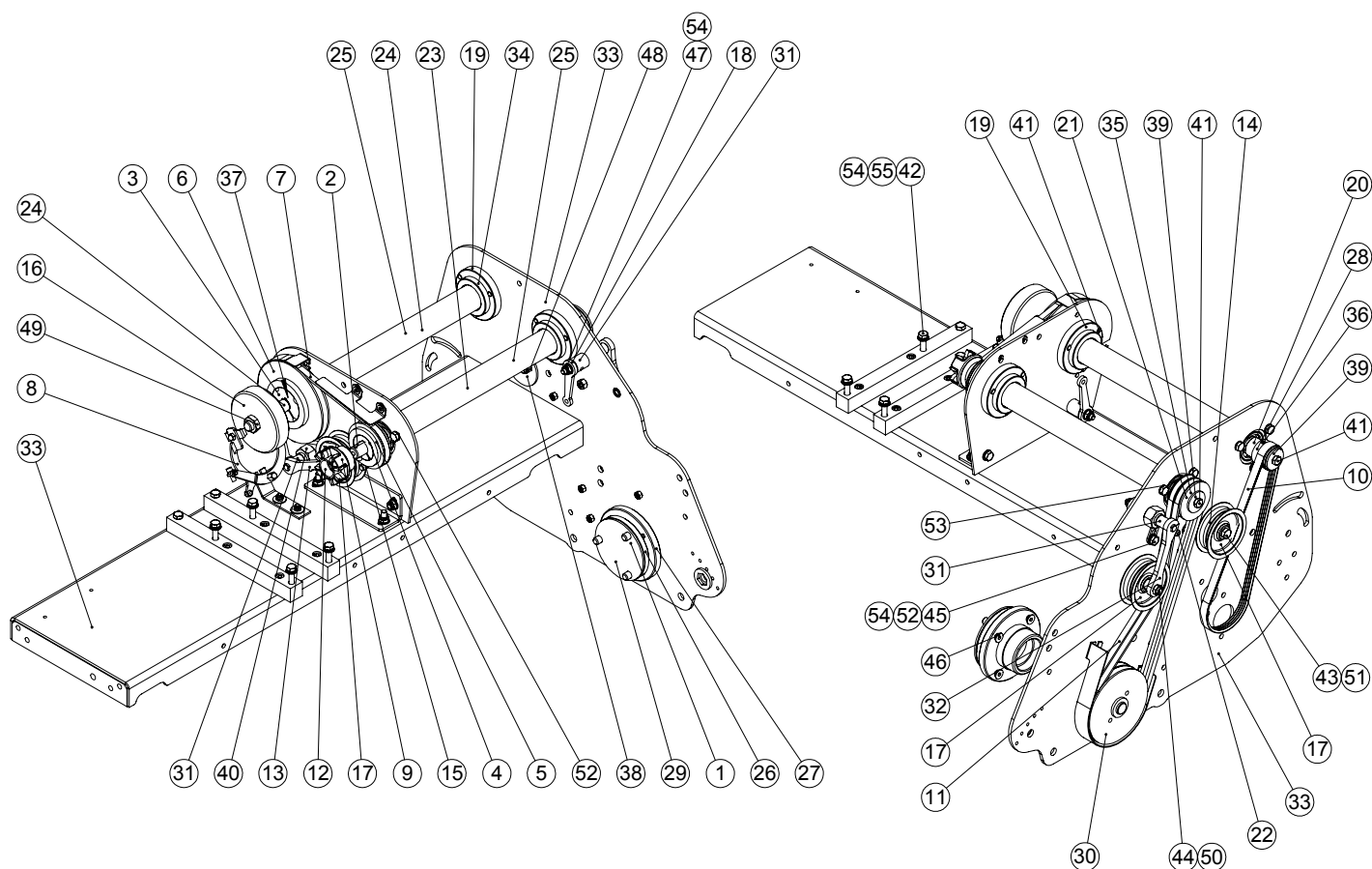
MODEL DIFFERENCES

ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
12	G660	229250	ENGINE BED 26"	1
12	G760	229251	ENGINE BED 30"	1
12	G860	229252	ENGINE BED 34"	1
13	G660	229253	TIE BAR 26"	1
13	G760	229254	TIE BAR 30"	1
13	G860	229255	TIE BAR 34"	1
14	G660	229265	CRADLE W.A 26"	1
14	G760	229266	CRADLE W.A 30"	1
14	G860	229267	CRADLE W.A 34"	1
15	G660	229515	TOW BAR W.A 26"	1
15	G760	229269	TOW BAR W.A 30"	1
15	G860	229270	TOW BAR W.A 34"	1
16	G660	229516	REAR SCRAPER 26"	1
16	G760	229272	REAR SCRAPER 30"	1
16	G860	229273	REAR SCRAPER 34"	1
27	G660	229666	TIE BAR ASSY 26"	2
27	G760	230157	TIE BAR ASSY 30"	2
27	G860	230155	TIE BAR ASSY 34"	2

CHASSIS - MAIN ASSEMBLY

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	171885_REV1	CASSETTE THRUST PLATE	1
2	228024_REV1	1" TUBE BUNG	2
3	229000_REV1	SUPPORT PLATE	1
4	229004_REV2	ENGINE BEARERS	2
5	229005_REV2	CABLE STOP	2
6	229006_REV2	BELT GUIDE ROLLER	1
7	229007_REV2	BELT GUIDE ROLLER PULLEY	1
8	229035_REV1	BRAKE BRACKET	1
9	229115_REV2	CHAIN CASE STUD	3
10	229152_REV1	PIVOT BUSH	2
11	229153_REV1	CLAMP PLATE ASSY	1
12	229252_REV3	ENGINE BED 34"	1
13	229255_REV1	TIE BAR 34"	1
14	229267_REV1	34" CRADLE W.A.	1
15	229270_REV2	34" TOW BAR W.A.	1
16	229273_REV1	REAR SCRAPER 34"	1
17	229310_REV1	QUADRANT SPACER	2
18	229327_REV4	30" / 34" LH SIDE PLATE W.A.	1
19	229328_REV2	30" / 34" RH SIDE PLATE W.A.	1
20	229347_REV1	30 / 34 BELT GUIDE	1
21	229348_REV2	BELT GUIDE 30 / 34	1
22	229386_REV1	STOP BUSH	2
23	229394_REV1	CASSETTE BOLT	1
24	229492_REV1	RETAINING PLATE ASSY	1
25	230004_REV0	SUPPORT BRACKET	1
26	230153_REV1	TIE BAR STOP	2
27	230155_REV1	34" TIE BAR ASSY	2
28	604761_REV1	THACKERY WASHER	2
29	J20023_REV2	UNIT LIMITING STUD	2
30	J20064_REV0	GREASE NIPPLE 1/4" UNF	1
31	J20297_REV2	SERIAL NO PLATE (DENNIS)	1
32	SP01008_REV0	HEX SET SCREW M6 X 16	11
33	SP01009_REV0	HEX SET SCREW M8 X 20	11
34	SP01020_REV0	HEX SET SCREW M10 X 40	2
35	SP01025_REV0	CAP HEAD M8 X 30	4
36	SP01027_REV0	HEX SET SCREW M8 X 40	2
37	SP01034_REV0	HEX SET SCREW M10 X 20	2
38	SP01035_REV0	HEX SET SCREW M10 X 25	10
39	SP01059_REV0	HEX SET SCREW M12 X 25	2
40	SP01065_REV0	HEX SET SCREW M12 X 30	2
41	SP01076_REV0	HEX SET SCREW M8 X 16	6
42	SP02004_REV0	NUT M6 NYLOC	6
43	SP02006_REV0	NUT M8 NYLOC (T)	16
44	SP02008_REV0	NUT M10 NYLOC (T)	2
45	SP02037_REV0	NUT 5/8" UNF STD	1
46	SP03003_REV0	WASHER M6 TOOTHED	2
47	SP03004_REV0	WASHER M8 TOOTHED	1
48	SP03004_REV0	WASHER M8 TOOTHED	8
49	SP03005_REV0	WASHER M10 TOOTHED	11
50	SP03006_REV0	WASHER M12 TOOTHED	2
51	SP03007_REV0	WASHER M6 X 20	2
52	SP03008_REV0	WASHER M8 FORM A	12
53	SP03010_REV0	WASHER M6 FORM A	13
54	SP03011_REV0	WASHER M10 FORM A	2
55	SP03015_REV0	WASHER M8 FORM C	4
56	SP03016_REV0	WASHER M10 FORM C	2
57	SP03017_REV0	WASHER M12 FORM C	4
58	SP03018_REV0	WASHER M10 FORM G	2
59	SP03022_REV0	WASHER M20 FORM A	2
60	SP05001_REV0	RIVET 4.8 X 10	2

DRIVE



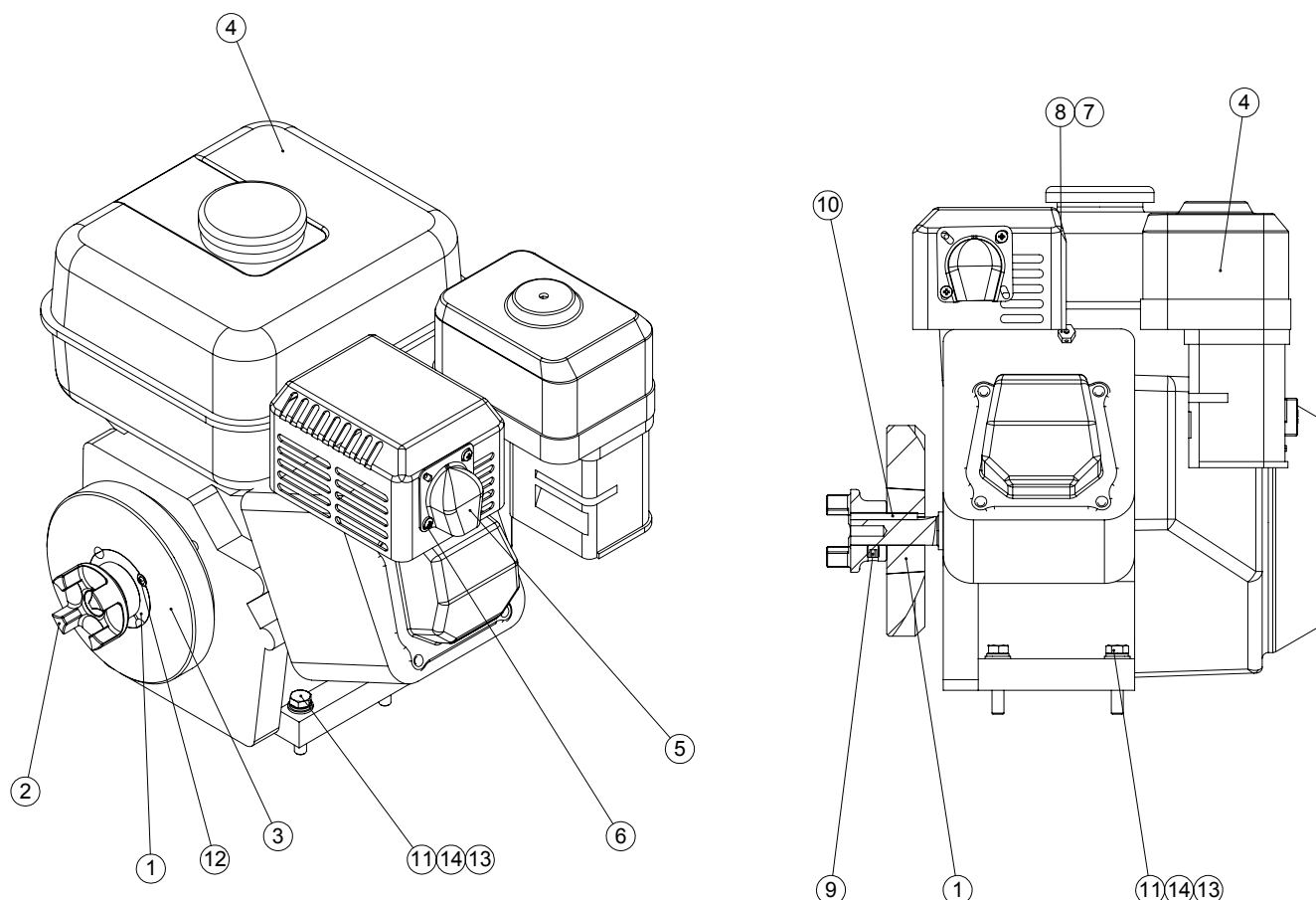
MODEL DIFFERENCES

ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
23	G660	229244	LAYSHAFT CUTTER DRIVE 26"	1
23	G760	229246	LAYSHAFT CUTTER DRIVE 30"	1
23	G860	229248	LAYSHAFT CUTTER DRIVE 34"	1
24	G660	229245	LAYSHAFT ROLLER DRIVE 26"	1
24	G760	229247	LAYSHAFT ROLLER DRIVE 30"	1
24	G860	229249	LAYSHAFT ROLLER DRIVE 34"	1
25	G660	229256	LAYSHAFT GUARD 26"	2
25	G760	229257	LAYSHAFT GUARD 30"	2
25	G860	229258	LAYSHAFT GUARD 34"	2

DRIVE

ITEM NO.	PART NUMBER	DESCRIPTION	drive/QTY.
1	062662_REV1	BEARING 6205-2RS 3	2
2	073445_REV0	KEY 3/16" X 3/16" X 2 1/4" RD END	1
3	228001_REV1	TAPERED BUSH 1610 - 3/4"	1
4	228002_REV1	TAPERED BUSH 1108 - 3/4"	1
5	228004_REV1	PULLEY SPZ-71	1
6	228005_REV1	PULLEY SPZ-132	1
7	228007_REV1	BELT V X10-665 LP	1
8	228009_REV1	BRAKE CALIPER	1
9	228011_REV1	COUPLING HALF (3/4")	1
10	228012_REV1	BELT RIBBED 4PK 698	1
11	228030_REV1	BELT V Z-997	2
12	228103_REV1	COUPLING ELEMENT	1
13	229009_REV2	DRIVE IDLER ARM W.A.	1
14	229013_REV1	PULLEY SPACER	1
15	229014_REV1	BELT GUIDE PEG	1
16	229036_REV1	BRAKE DISC	1
17	229038_REV1	TENSIONER PULLEY	3
18	229044_REV1	IDLER LEVER	2
19	229091_REV2	BEARING HOUSING	4
20	229092_REV1	BEARING SPACER	3
21	229154_REV2	PULLEY 2Z-60	1
22	229157_REV1	BELT GUIDE PEG	1
23	229248_REV1	LAYSHAFT CUTTER DRIVE 34"	1
24	229249_REV1	LAYSHAFT ROLLER DRIVE 34"	1
25	229258_REV1	LAYSHAFT GUARD 34"	2
26	229302_REV1	DRIVE MALE COUPLING	1
27	229303_REV1	BEARING HOUSING	1
28	229322_REV1	4 GROOVE DRIVE PULLEY	1
29	229335_REV1	DRIVE GASKET	1
30	229358_REV2	BOTTOM PULLEY	1
31	229382_REV1	BRG HOUSING	2
32	229383_REV2	IDLER ARM W.A. (G760 / G860)	1
33	D054-chassis_REV0	G860 CHASSIS	1
34	J20052_REV0	BEARING 6204-2RS 3	4
35	J20457_REV1	KEY 3/16" X 3/16" X 1" RD END	1
36	J20467_REV0	GRUB SCREW M8 X 8	3
37	J209030_REV1	KEY 3/16" X 3/16" X 3/4" RD END	2
38	J209043_REV1	TENSIONER BACK PLATE	1
39	J209249_REV0	WASHER 9 X 35 X 3	2
40	SP02034_REV0	NUT 3/4" UNF STD	2
41	SP01009_REV0	HEX SET SCREW M8 X 20	14
42	SP01027_REV0	HEX SET SCREW M8 X 40	4
43	SP01068_REV0	HEX SET SCREW 3/8" UNF X 2 1/2"	1
44	SP01071_REV0	HEX SET SCREW 3/8" UNF X 1 1/2"	2
45	SP01076_REV0	HEX SET SCREW M8 X 16	1
46	SP01077_REV0	CSK CAP HEAD M8 X 16	4
47	SP02006_REV0	NUT M8 NYLOC (T)	2
48	SP02018_REV0	NUT 3/8" UNF NYLOC (T)	1
49	SP02029_REV0	NUT M16 LOCK (THIN)	1
50	SP02033_REV0	NUT 3/8" UNF LOCK (THIN)	2
51	SP03002_REV0	WASHER 3/8"	1
52	SP03004_REV0	WASHER M8 TOOTHED	8
53	SP03004_REV0	WASHER M8 TOOTHED	5
54	SP03008_REV0	WASHER M8 FORM A	7
55	SP03029_REV0	WASHER M8 SPRING LOCK	4

ENGINE

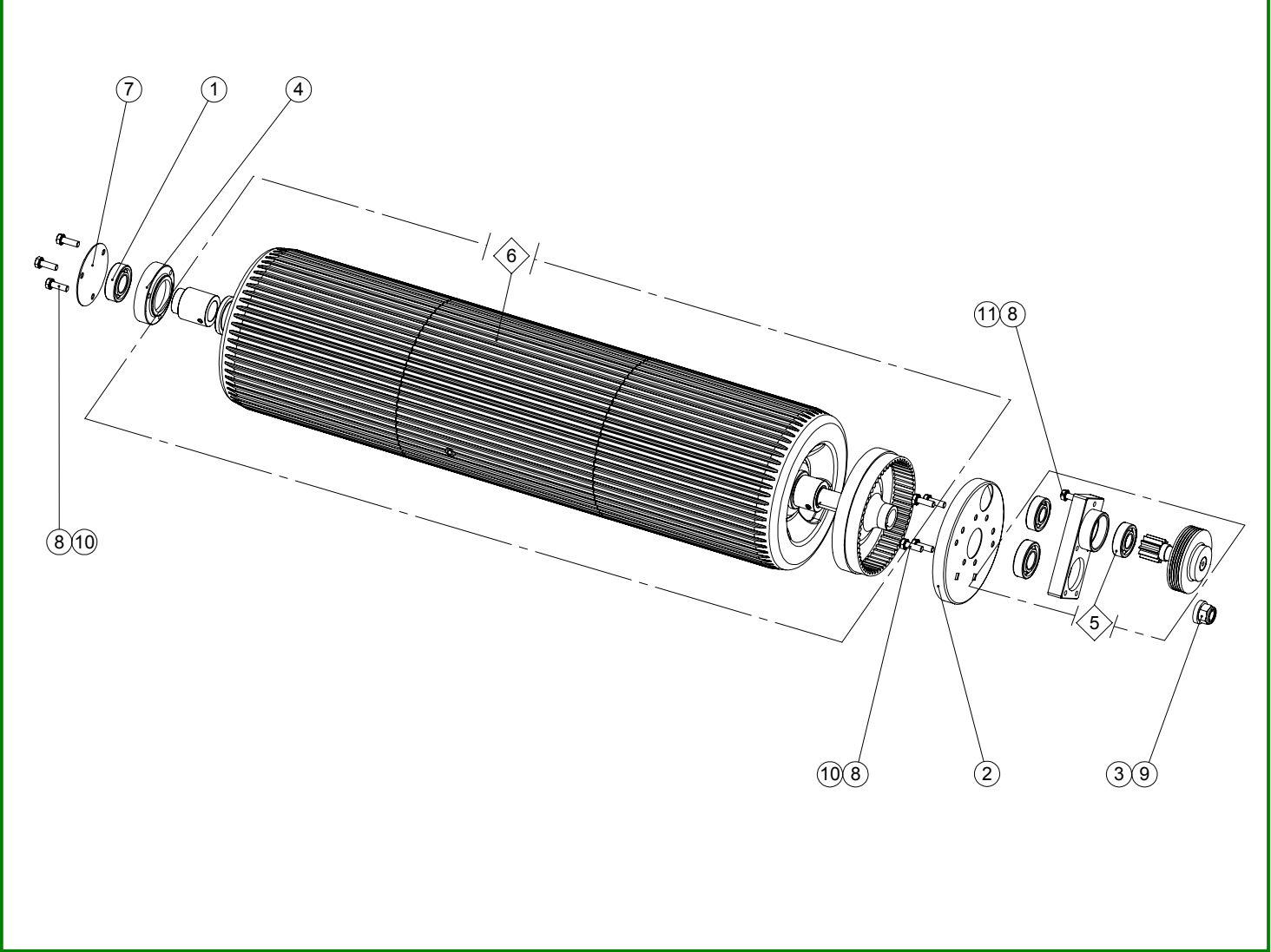


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	228001_REV1	TAPERED BUSH 1610 - 3/4"	1
2	228011_REV1	COUPLING HALF (3/4")	1
3	229015_REV1	FLYWHEEL	1
4	229902_REV1	ENGINE 6.5 HP HONDA GX200 Q9 TYPE	1
5	J20367_REV0	EXHAUST DEFLECTOR	1
6	J20368_REV0	SCREW M4 EXHAUST DEFLECTOR	2
7	J20369_REV0	E CLIP 5MM	1
8	J20376_REV1	THROTTLE CLAMP	1
9	J20467_REV0	GRUB SCREW M8 X 8	1
10	J209025_REV0	KEY 3/16" X 3/16" X 1 3/4" RD END	1
11	SP01027_REV0	HEX SET SCREW M8 X 40	4
12	SP01079_REV1	GRUB SCREW 3/8" X 5/8"	2
13	SP03008_REV0	WASHER M8 FORM A	4
14	SP03029_REV0	WASHER M8 SPRING LOCK	4

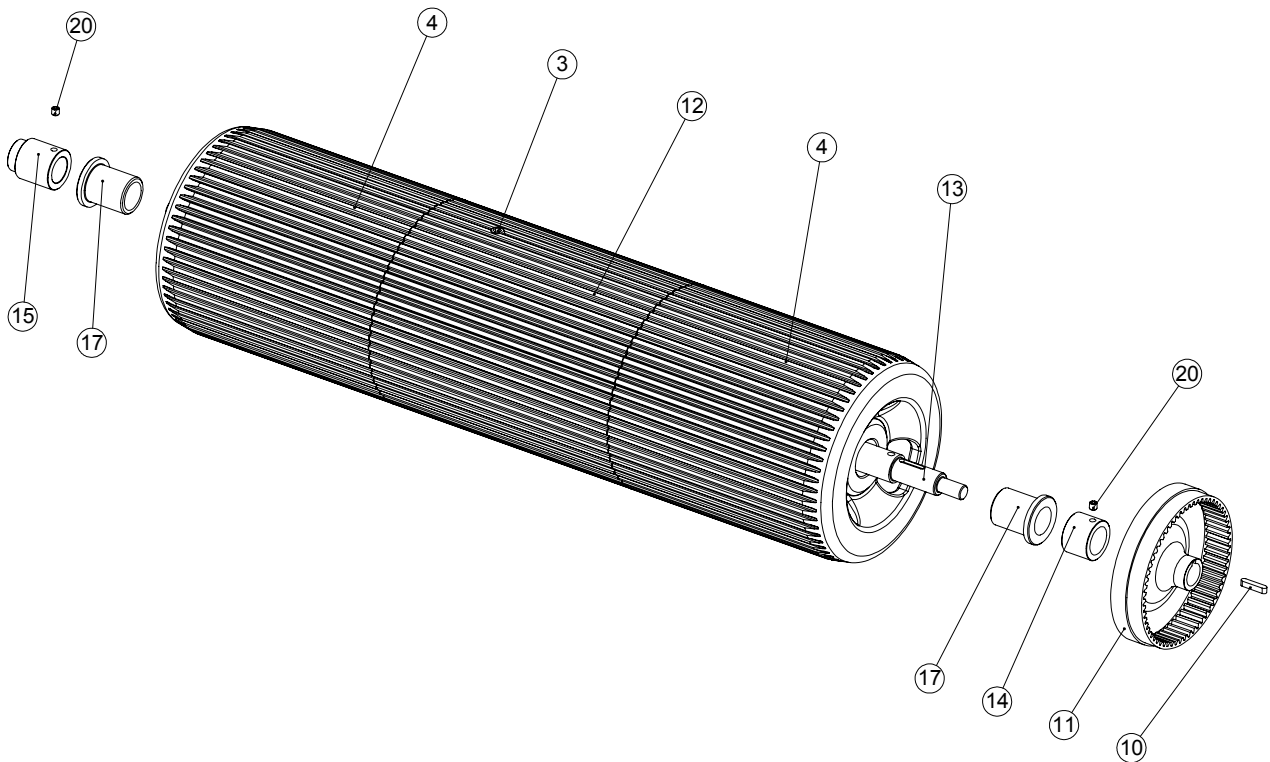
MODEL DIFFERENCES

ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
4	G660 & G760	229901	ENGINE 5.5 HP HONDA GX160 Q9 TYPE	1
4	G860	229902	ENGINE 6.5 HP HONDA GX200 Q9 TYPE	1

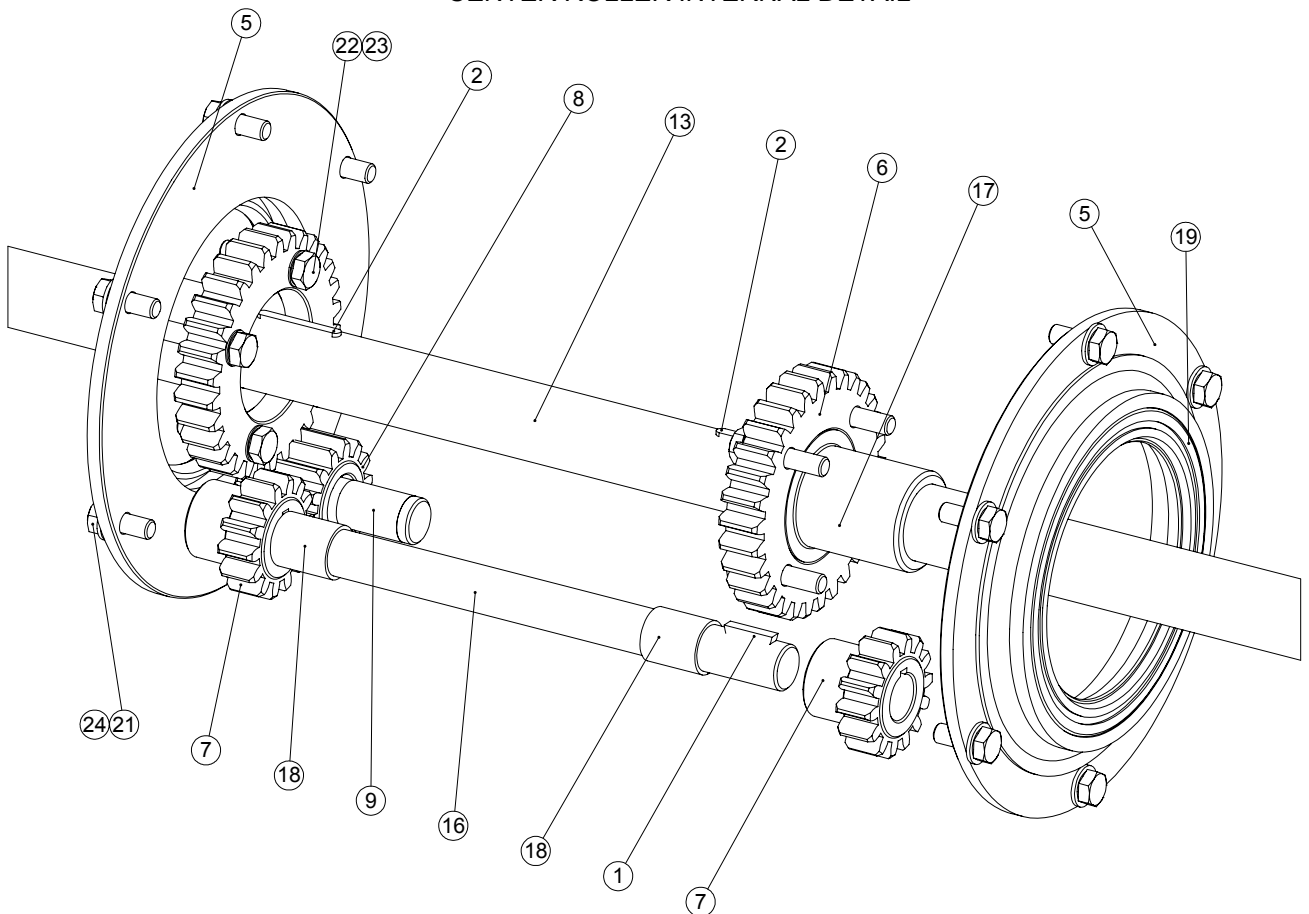
REAR ROLLER



ITEM NO.	PART NUMBER	DESCRIPTION	CROSS SECTION RR/QTY.
1	062662_REV1	BEARING 6205-2RS 3	1
2	229031_REV3	DIRT EXCLUDER	1
3	229039_REV1	LANDROLL COLLAR	1
4	229104_REV1	LANDROLL BEARING HOUSING	1
5	800066_REV0	DRIVE BEARING HOUSING ASSY	1
6	800071_REV1	REAR ROLLER ASSEMBLY	1
7	J20009_REV1	BLANKING PLATE	1
8	SP01045_REV0	HEX SET SCREW M8 X 25	8
9	SP02028_REV0	NUT M16 NYLOC (T)	1
10	SP03004_REV0	WASHER M8 TOOTHED	6
11	SP03004_REV0	WASHER M8 TOOTHED	2



CENTER ROLLER INTERNAL DETAIL

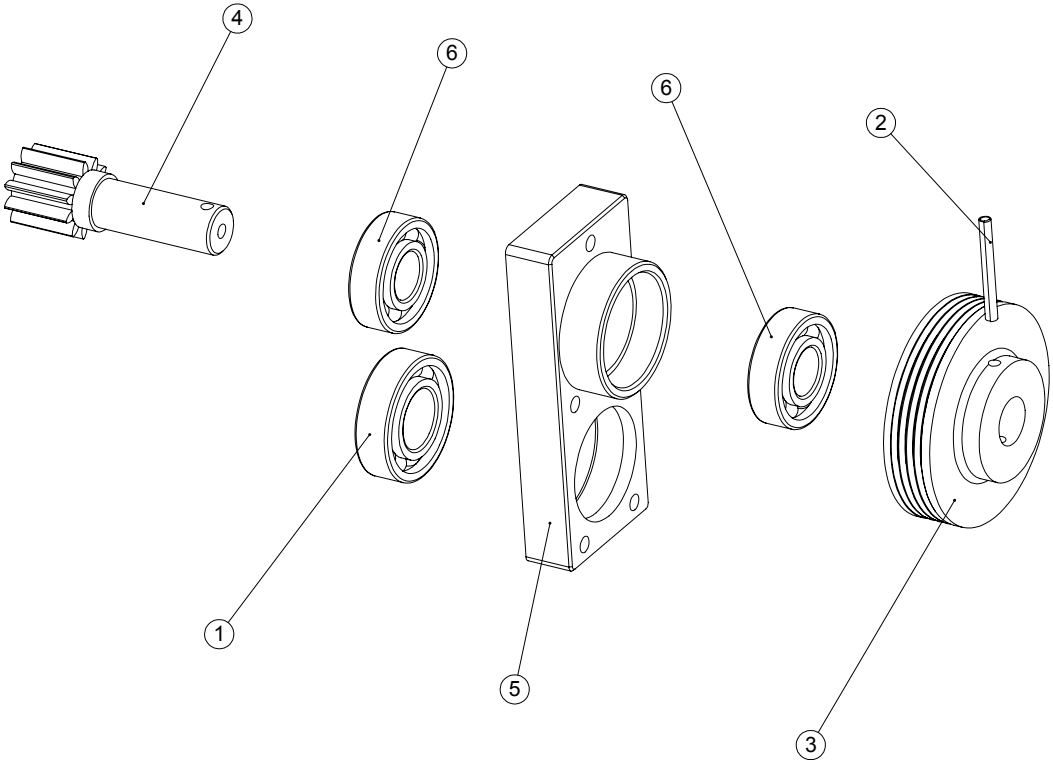


REAR ROLLER CONTINUED - 800071 BOM

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	016386_REV0	KEY WOODRUFF 3/16" X 7/8"	2
2	073445_REV0	KEY 3/16" X 3/16" X 2 1/4" RD END	2
3	171702_REV1	GRUB SCREW 3/8" BSPT	1
4	195076_REV2	OUTER ROLLER 11" (MACHINED)	2
5	195077_REV1	OIL SEAL HOUSING	2
6	195078_REV1	DIFFERENTIAL WHEEL	2
7	195079_REV1	DIFFERENTIAL PINION	2
8	195080_REV1	DOUBLE DIFFERENTIAL PINION	1
9	195094_REV1	PIVOT PIN	1
10	228049_REV1	KEY 1/4" X 1/4" X 1 1/4" RD END	1
11	229030_REV1	INTERNAL GEAR	1
12	229227_REV3	CENTRE ROLLER 12" (MACHINED)	1
13	229324_REV1	REAR ROLLER SHAFT 34"	1
14	229325_REV1	30"/34" SHAFT COLLAR	1
15	229326_REV1	SHAFT SPACER	1
16	229451_REV1	DIFF SHAFT G860	1
17	229484_REV1	BUSH FOR END ROLLER	4
18	601620_REV1	BUSH 12DU16	3
19	605857_REV1	SEAL REAR ROLLER	2
20	J20467_REV0	GRUB SCREW M8 X 8	2
21	SP01009_REV0	HEX SET SCREW M8 X 20	12
22	SP01036_REV0	HEX SET SCREW M8 X 35	8
23	SP03004_REV0	WASHER M8 TOOTHED	8
24	SP03008_REV0	WASHER M8 FORM A	12

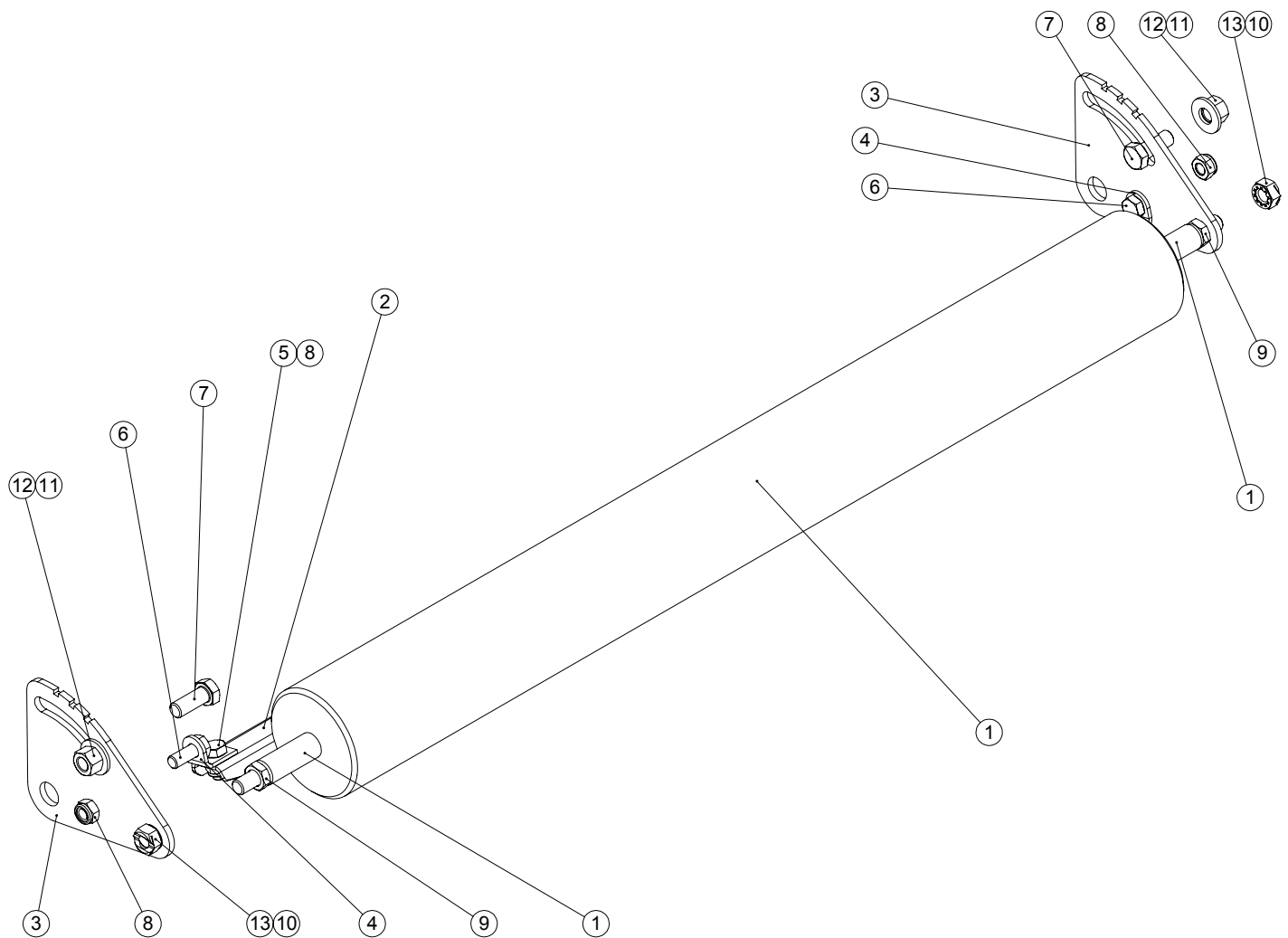
MODEL DIFFERENCES				
ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
4	G660	195075	OUTER ROLLER 26"	2
4	G760, G860	195076	OUTER ROLLER 30" & 34"	2
12	G660	229537	CENTRE ROLLER 26"	1
12	G760	195074	CENTRE ROLLER 30"	1
12	G860	229227	CENTRE ROLLER 34"	1
13	G660	229500	REAR ROLLER SHAFT 26"	1
13	G760	229323	REAR ROLLER SHAFT 30"	1
13	G860	229324	REAR ROLLER SHAFT 34"	1
14	G660	229510	SHAFT COLLAR 26"	1
14	G760, G860	229325	SHAFT COLLAR 30" & 34"	1
15	G660	229509	SHAFT SPACER 26"	1
15	G760, G860	229326	SHAFT SPACER 30" & 34"	1
16	G660	229511	DIFF SHAFT 26"	1
16	G760	195082	DIFF SHAFT 30"	1
16	G860	229451	DIFF SHAFT 34"	1

REAR ROLLER CONTINUED - 800066 & BOM



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	062662_REV1	BEARING 6205-2RS 3	1
2	228053_REV1	PIN SPIROL M5 X 45	1
3	229003_REV1	DRIVE PULLEY LAND ROLL	1
4	229011_REV1	PINION SHAFT 11T	1
5	229034_REV2	ROLLER BEARING HOUSING	1
6	J20052_REV0	BEARING 6204-2RS 3	2

FRONT ROLLER

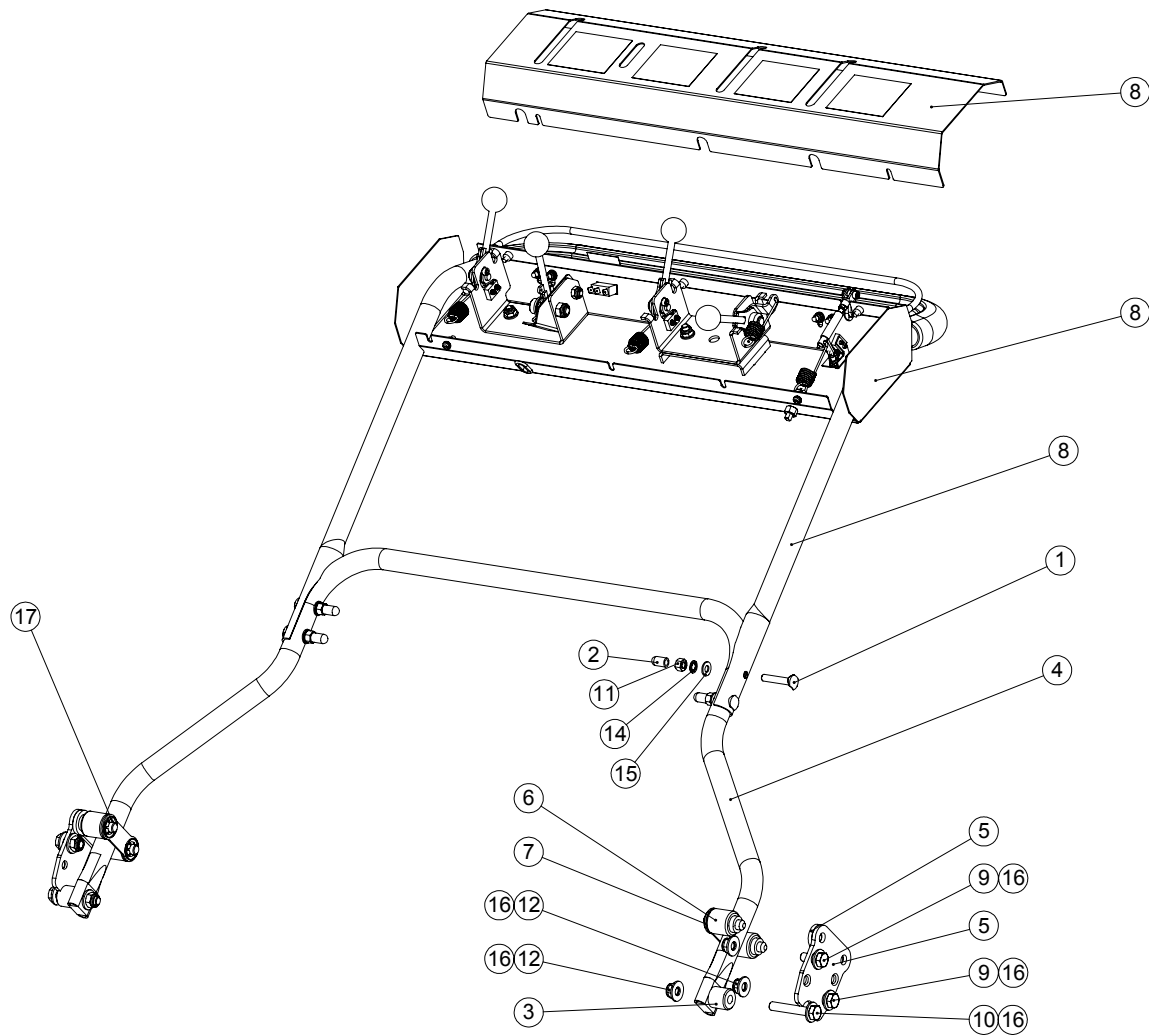


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	229233_REV1	FRONT ROLLER 34"	1
2	229264_REV2	FRONT ROLLER SCRAPER 34"	1
3	229329_REV1	ROLLER QUADRANT	2
4	229491_REV1	SCRAPER BRK	2
5	SP01034_REV0	HEX SET SCREW M10 X 20	2
6	SP01035_REV0	HEX SET SCREW M10 X 25	2
7	SP01065_REV0	HEX SET SCREW M12 X 30	2
8	SP02008_REV0	NUT M10 NYLOC (T)	4
9	SP02014_REV0	NUT M12 LOCK (THIN)	2
10	SP03006_REV0	WASHER M12 TOOTHED	2
11	SP03017_REV0	WASHER M12 FORM C	2
12	SP02009_REV0	NUT M12 STD	2
13	SP02054_REV0	NUT M12 BINK	2

MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
1	G660	229231_REV1	FRONT ROLLER 26"	1
1	G760	229232_REV1	FRONT ROLLER 30"	1
1	G860	229233_REV1	FRONT ROLLER 34"	1
2	G660	229262_REV1	FRONT ROLLER SCRAPER 26"	1
2	G760	229263_REV1	FRONT ROLLER SCRAPER 30"	1
2	G860	229264_REV2	FRONT ROLLER SCRAPER 34"	1

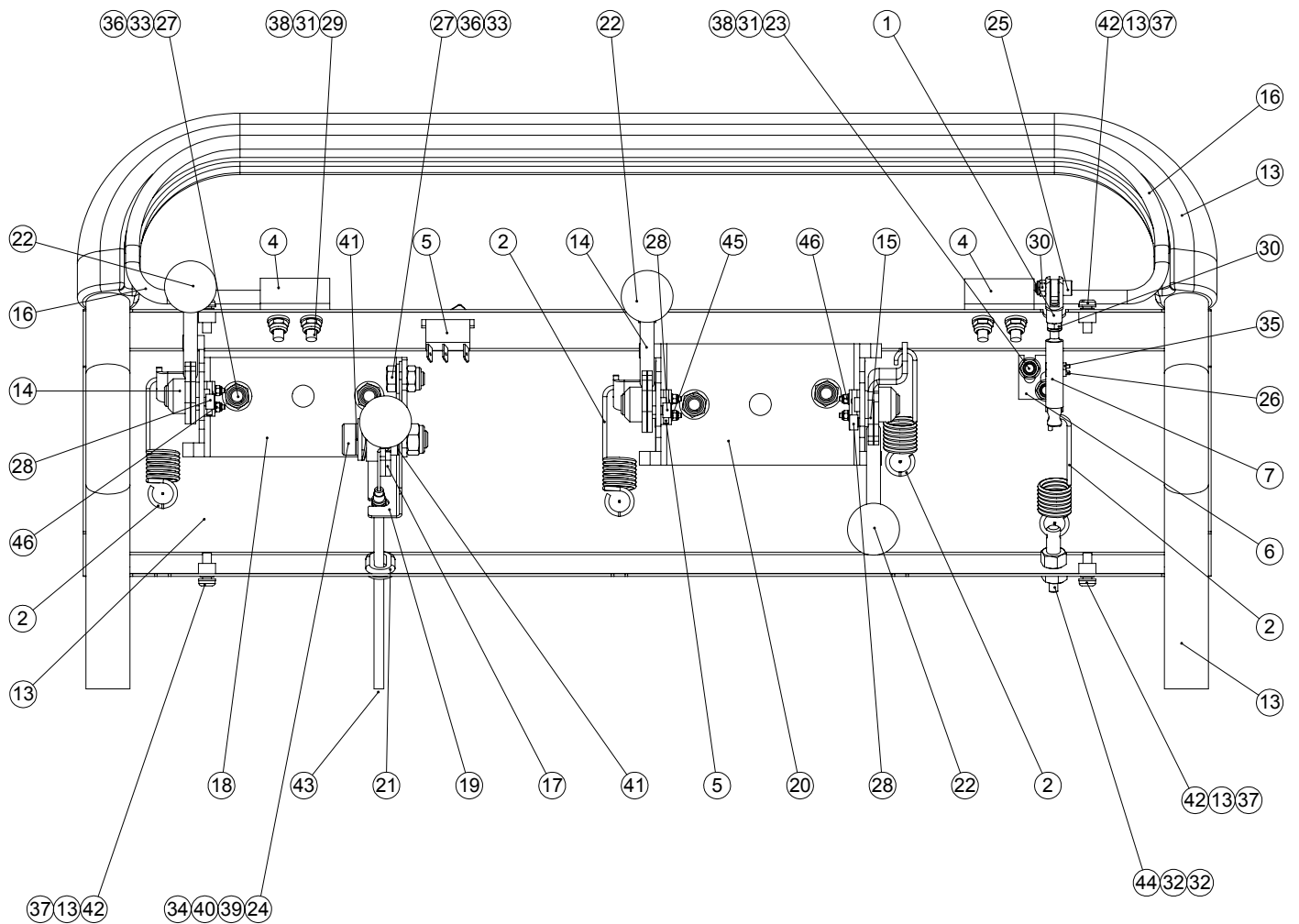
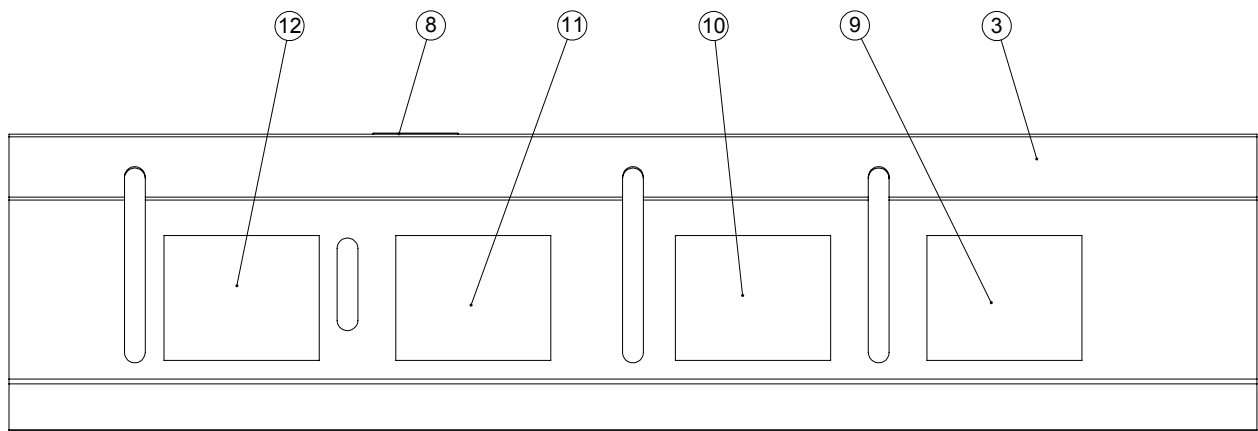
HANDLE BARS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	228093_REV0	BOLT SADDLE M8 X 43	4
2	228094_REV0	END TIP 5/16"	4
3	229166_REV1	HANDLE PIVOT BUSH	2
4	229577_REV1	34" LOWER HANDLE TUBE G860 MK2	1
5	230200_REV0	HANDLE BRACKET W.A.	2
6	230203_REV0	HANDLE BUFFER	4
7	230205_REV0	HANDLE BRACKET SUPPORT	2
8	800086_REV2	G SERIES UPPER HANDLEBAR ASSY	1
9	SP01035_REV0	HEX SET SCREW M10 X 25	4
10	SP01047_REV0	HEX SET SCREW M10 X 60	2
11	SP02005_REV0	NUT M8 STD	4
12	SP02008_REV0	NUT M10 NYLOC (T)	6
13	SP03004_REV0	WASHER M8 TOOTHED	1
14	SP03004_REV0	WASHER M8 TOOTHED	3
15	SP03008_REV0	WASHER M8 FORM A	4
16	SP03016_REV0	WASHER M10 FORM C	12
17	SP07001_REV0	STARLOCK 12MM	4

MODEL DIFFERENCES				
ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
4	G660	229587	LOWER HANDLE TUBE 26"	1
4	G760	229576	LOWER HANDLE TUBE 30"	1
4	G860	229577	LOWER HANDLE TUBE 34"	1

HANDLE BARS

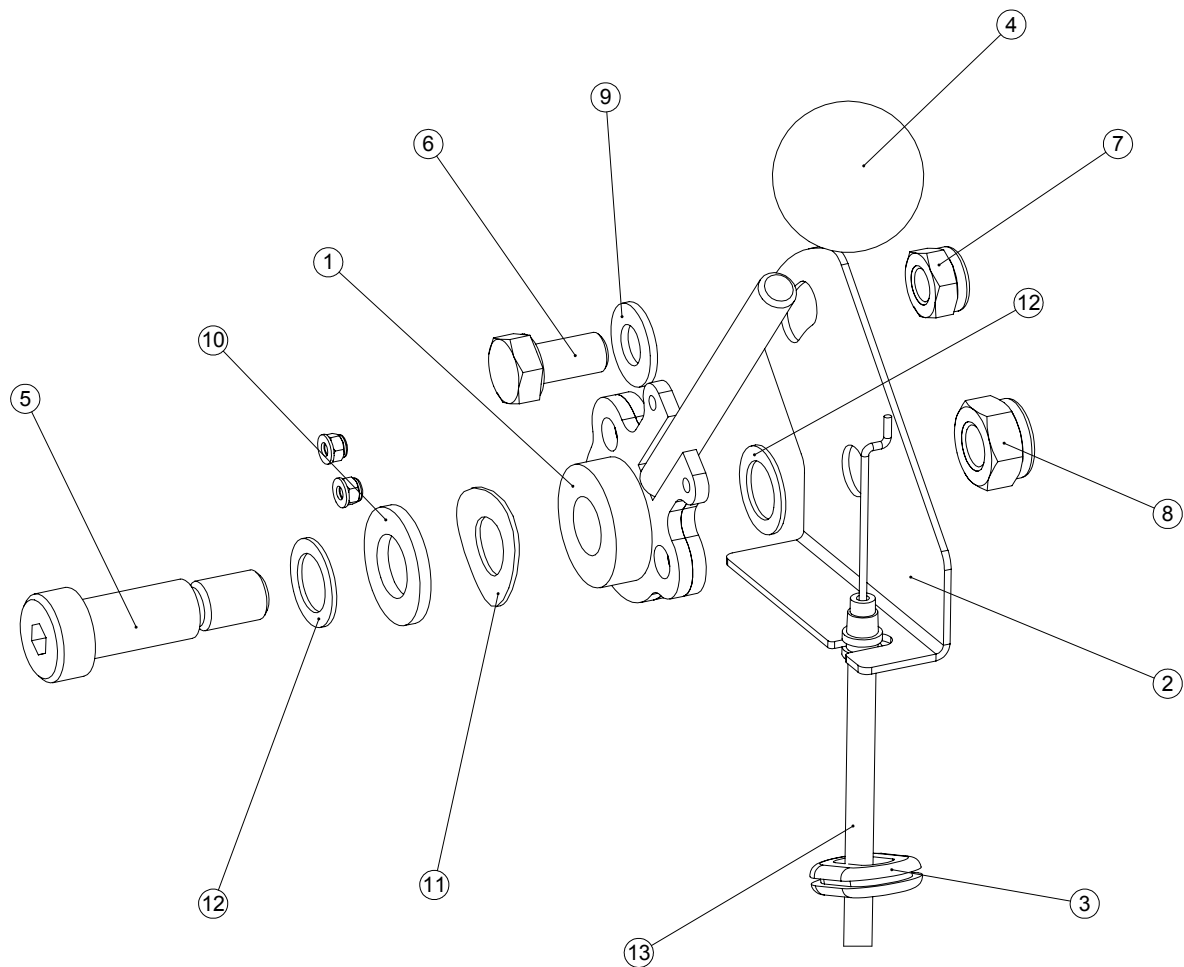


HANDLE BARS

ITEM NO.	PART NUMBER	DESCRIPTION	CONTROLS/QTY.
1	228020_REV1	CLEVIS GM5 (5MM)	1
2	229167_REV1	CLUTCH SPRING	4
3	229582_REV2	CONSOLE COVER G760 / G860	1
4	229585_REV1	PIVOT BLOCK	2
5	229586_REV1	HARNESS 860	1
6	229590_REV1	SAFETY SWITCH BRACKET	1
7	229595_REV2	SAFETY LEVER PLUNGER W.A.	1
8	229599_REV1	DECAL ENGINE ON / OFF	1
9	229600_REV1	DECAL CUTTING CYLINDER	1
10	229601_REV1	DECAL ROLLER DRIVE	1
11	229602_REV1	DECAL THROTTLE CONTROL	1
12	229603_REV1	DECAL PARKING BRAKE	1
13	230160_REV0	G-SERIES HANDLE MOULDING ASSY	1
14	230170_REV2	LEVER R.H. W.A.	2
15	230171_REV2	LEVER L.H. W.A.	1
16	230180_REV0	SAFETY BAR W.A.	1
17	230190_REV1	THROTTLE LEVER W.A.	1
18	230195_REV1	THROTTLE / BRAKE BRACKET ASSY	1
19	230196_REV1	THROTTLE PLATE	1
20	230207_REV1	LEVER BRACKET ASSY	1
21	260138_REV1	GROMMET PV270A	1
22	J20017_REV1	KNOB - RED	4
23	SP01019_REV0	BUTTON HEAD M6 X 16	2
24	SP01029_REV0	SHOULDER BOLT 12 X 25 M10	1
25	SP01043_REV0	CAP HEAD M5 X 16	1
26	SP01070_REV0	CAP HEAD M2 X 12	2
27	SP01076_REV0	HEX SET SCREW M8 X 16	3
28	SP01081_REV0	CAP HEAD M5 X 12	3
29	SP01101_REV0	SCREW M6 X 25 SLOTTED	4
30	SP02002_REV0	NUT M5 NYLOC (T)	2
31	SP02004_REV0	NUT M6 NYLOC	6
32	SP02005_REV0	NUT M8 STD	2
33	SP02006_REV0	NUT M8 NYLOC (T)	5
34	SP02008_REV0	NUT M10 NYLOC (T)	1
35	SP02038_REV0	NUT M2 (BUSH)	2
36	SP03008_REV0	WASHER M8 FORM A	5
37	SP03009_REV0	WASHER M5 FORM A	5
38	SP03010_REV0	WASHER M6 FORM A	6
39	SP03012_REV0	WASHER M12 FORM A	1
40	SP03019_REV0	WASHER M12 WAVE	1
41	SP03020_REV0	SHIM 12 X 18 X 1	2
42	SP04001_REV0	SCREW M5 X 16 SLOTTED	5
43	SP12002_REV1	THROTTLE CABLE G860 / G760	1
44	229620_REV2	BOLT FOR SPRING	1
45	SP03039_REV0	WASHER M2.5 FORM A	6
46	SP02059_REV0	NUT M2.5 NYLOC (P)	6

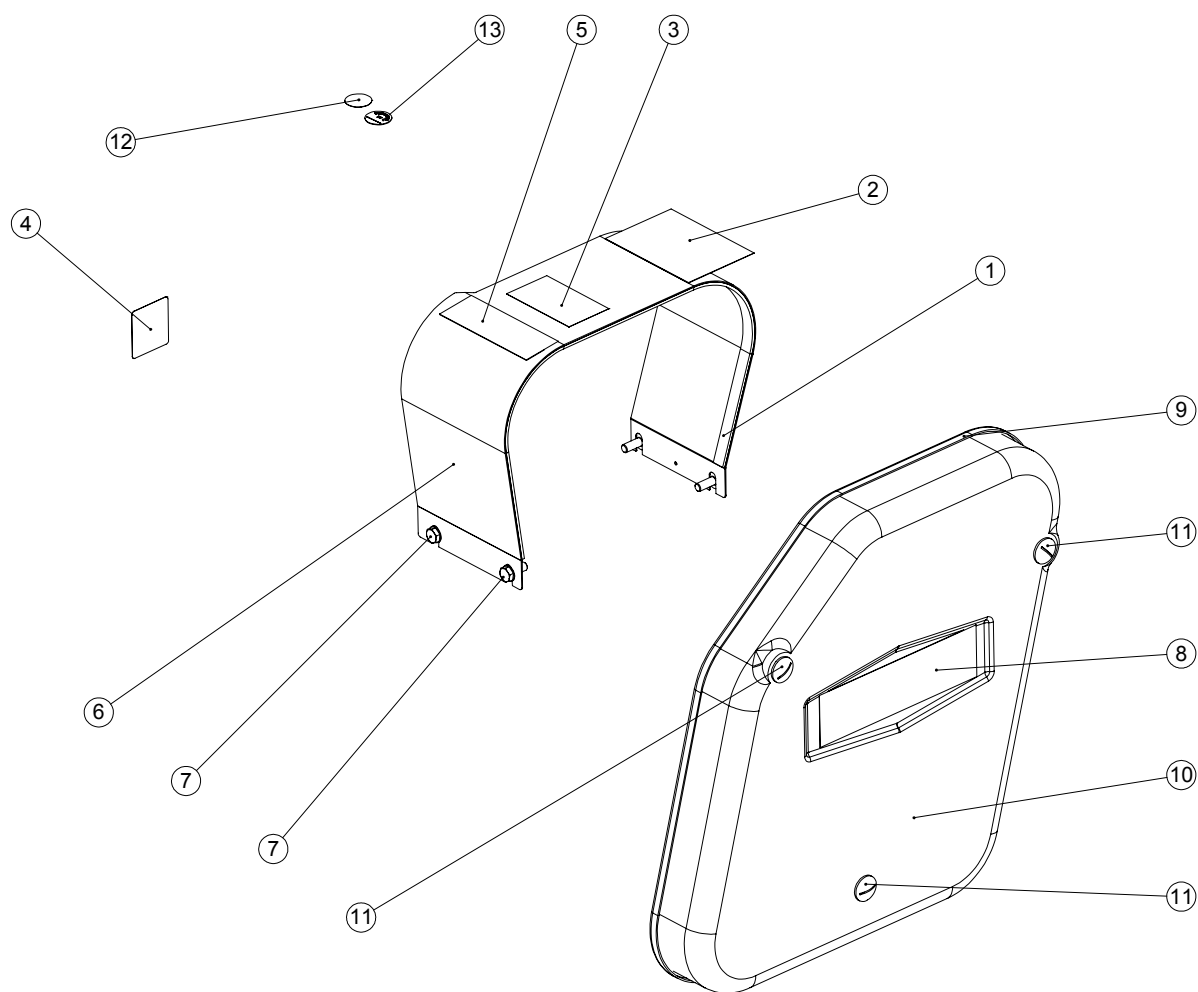
PARTS NOT SHOWN (CABLES AND WIRES)		
PART NUMBER	DESCRIPTION	QTY.
228027	DASHBOARD TO ENGINE LOOM	1
229378	CUTTER DRIVE CLUTCH CABLE	1
229596	ROLLER DRIVE CLUTCH CABLE	1
229597	BRAKE CABLE	1
SP12002	THROTTLE CABLE G860 / G760	1

HANDLE THROTTLE KIT



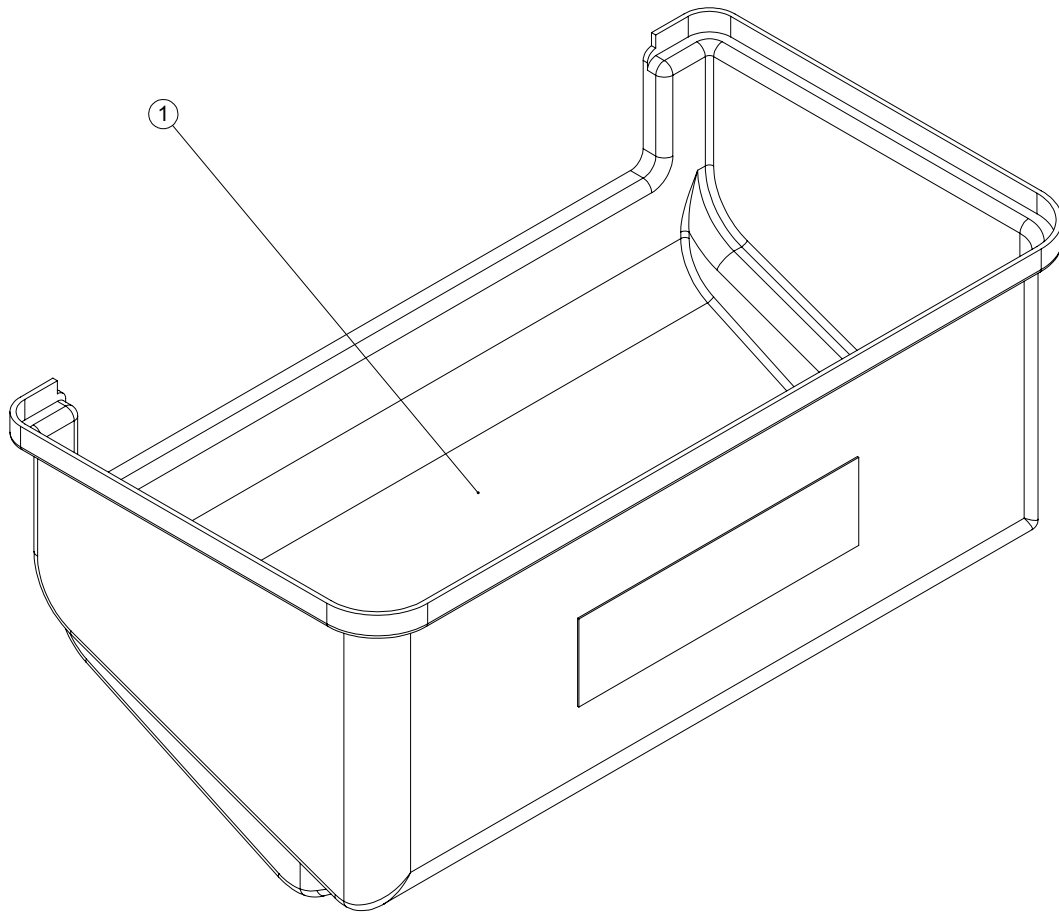
ITEM NO.	PART NUMBER	DESCRIPTION	HANDLE THROTTLE KI/QTY.
1	230190_REV1	THROTTLE LEVER W.A.	1
2	230196_REV1	THROTTLE PLATE	1
3	260138_REV1	GROMMET PV270A	1
4	J20017_REV1	KNOB - RED	1
5	SP01029_REV0	SHOULDER BOLT 12 X 25 M10	1
6	SP01076_REV0	HEX SET SCREW M8 X 16	1
7	SP02006_REV0	NUT M8 NYLOC (T)	1
8	SP02008_REV0	NUT M10 NYLOC (T)	1
9	SP03008_REV0	WASHER M8 FORM A	1
10	SP03012_REV0	WASHER M12 FORM A	1
11	SP03019_REV0	WASHER M12 WAVE	1
12	SP03020_REV0	SHIM 12 X 18 X 1	2
13	SP12002_REV1	THROTTLE CABLE G860 / G760	1
14	229620_REV2	BOLT FOR SPRING	1
15	SP03039_REV0	WASHER M2.5 FORM A	6
16	SP02059_REV0	NUT M2.5 NYLOC (P)	6

GUARDS AND DECALS



ITEM NO.	PART NUMBER	DESCRIPTION	GUARDS AND DECALS/QTY.
1	228072_REV0	NEOPRENE SPONGE (M/CM)	1
2	229375_REV1	DECAL WARNING	1
3	B32903_REV0	DECAL UNION JACK	1
4	229605_REV0	98 Db DECAL	1
5	J20362_REV1	DECAL DENNIS SMALL	1
6	229093_REV1	TRANSMISSION GUARD W.A.	1
7	SP01066_REV0	HEX TAPTITE SCREW M8 X 20	4
8	B32902_REV1	DECAL DENNIS	1
9	228031F_REV0	CHAIN CASE SEAL	1
10	229333_REV2	CHAIN CASE G660/G680/G760/G860	1
11	194946_REV1	CHAIN CASE SCREW	3
12	229579_REV0	READY FOR DISPATCH DECAL	1
13	229580_REV0	DECAL INSPECTION	1

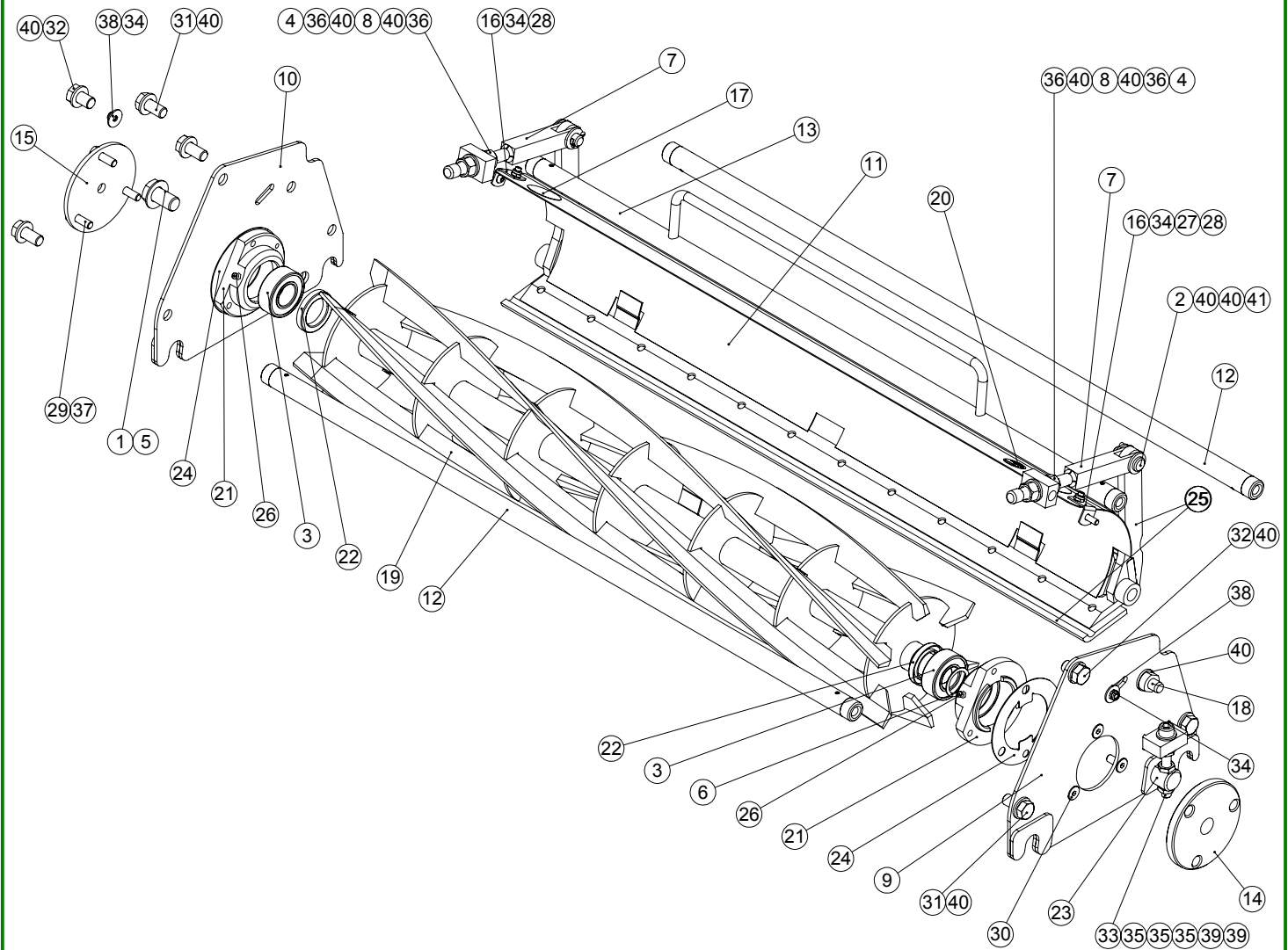
For handle bar decals see P6.02



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	229243_REV1	GRASS BOX 860	1

MODEL DIFFERENCES				
ITEM No	MODEL	PART NUMBER	DESCRIPTION	QTY
1	G660	229241	GRASSBOX 26"	1
1	G760	229242	GRASSBOX 30"	1
1	G860	229243	GRASSBOX 34"	1

CASSETTE CUTTER



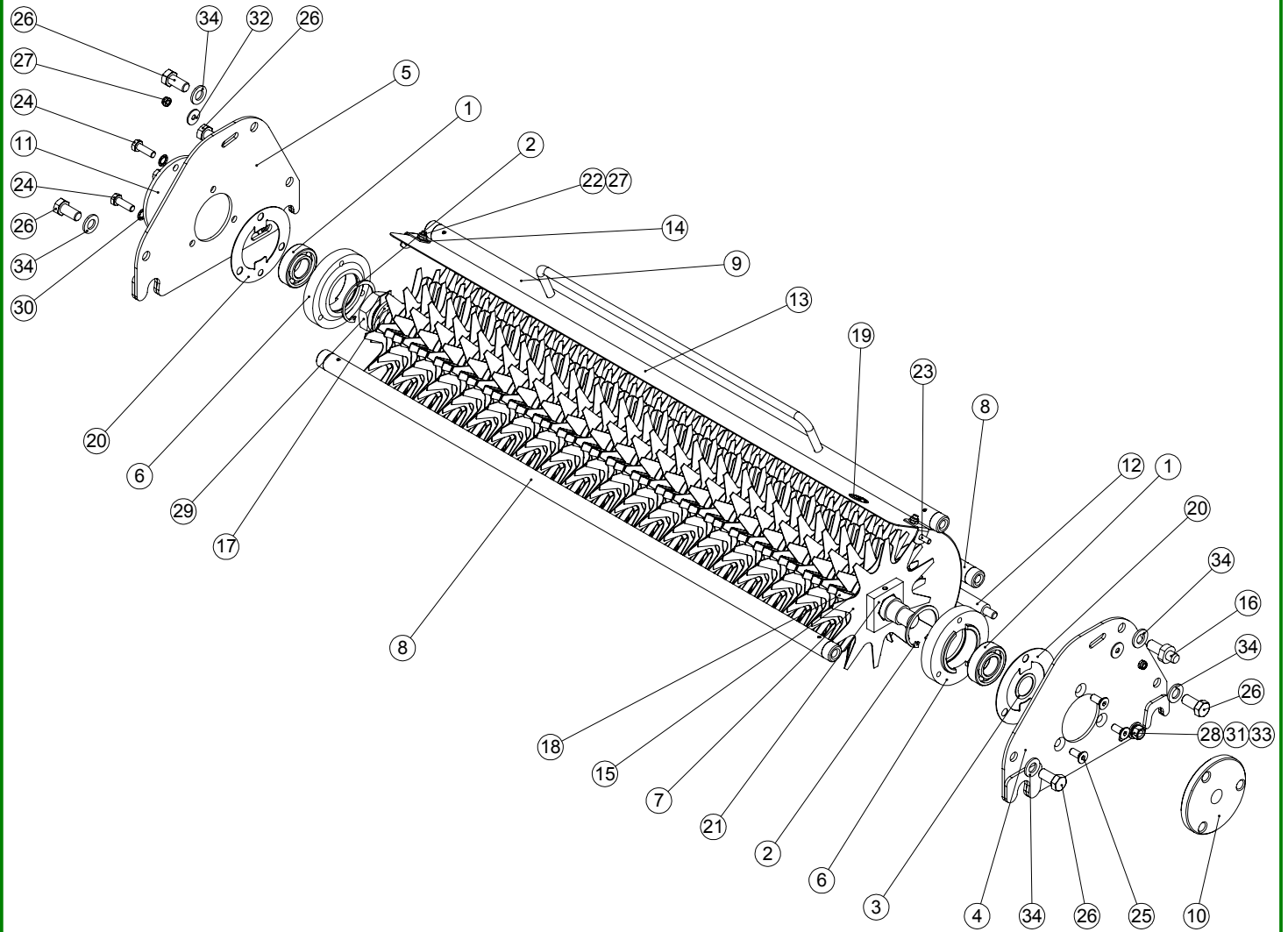
MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
11	G660	229662	DEFLECTOR PLATE 26"	1
11	G760	229260	DEFLECTOR PLATE 30"	1
11	G860	229261	DEFLECTOR PLATE 34"	1
12	G660	229657	26" TIE BAR	2
12	G760	229295	30" TIE BAR	2
12	G860	229296	34" TIE BAR	2
13	G660	229658	26" HANDLE TIE BAR	1
13	G760	229297	30" HANDLE TIE BAR	1
13	G860	229298	34" HANDLE TIE BAR	1
19	G660	229650	CYLINDER 6 BLADE 26"	1
19	G660	229619	CYLINDER 8 BLADE 26"	1
19	G760	229572	CYLINDER 6 BLADE 30"	1
19	G760	229615	CYLINDER 8 BLADE 30"	1
19	G860	230614	CYLINDER 4 BLADE 34"	1
19	G860	229573	CYLINDER 6 BLADE 34"	1
19	G860	229568	CYLINDER 8 BLADE 34"	1
19	G860	230610	CYLINDER 11 BLADE 34"	1
25	G660	229652	SHEAR BLADE 26"	1
25	G760	067171	SHEAR BLADE 30"	1
25	G860	229229	SHEAR BLADE 34"	1
25	G660	229656	26" SHEAR BLADE CARRIER	1
25	G760	229312	30" SHEAR BLADE CARRIER	1
25	G860	229313	34" SHEAR BLADE CARRIER	1
NOT SHOWN	G660, G760, G860	185378	BOTTOM BLADE SCREW	AS REQUIRED

CASSETTE CUTTER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	185379_REV1	5/8" UNF HEX SCREW	1
2	228022_REV3	CLEVIS PIN	2
3	228029_REV1	BEARING 2205 2RS	2
4	228070_REV1	BLACK CAP	2
5	228074_REV1	D315163175 BELLEVILLE WASHER	1
6	228092_REV1	SHIM ID 25.8 X 1 THK	1
7	229049_REV2	ADJUSTER ROD	2
8	229051_REV1	ADJUSTER STOP	2
9	229215_REV1	CASSETTE SIDE PLATE W.A. L.H.	1
10	229216_REV2	CASSETTE SIDE PLATE W.A. R.H.	1
11	229261_REV1	DEFLECTOR PLATE 34"	1
12	229296_REV1	34" TIE BAR	2
13	229298_REV1	34" HANDLE TIE BAR	1
14	229299_REV1	DRIVEN / FEMALE COUPLING	1
15	229318_REV2	BEARING COVER	1
16	229355_REV1	DEFLECTOR PLATE BRACKET	2
17	229376_REV0	CUT DECAL	2
18	229385_REV2	STOP BOLT	1
19	229573_REV4	CYLINDER 6 BLADE 34"	1
20	229580_REV0	DECAL INSPECTION	1
21	229622_REV2	CUTTER BEARING HOUSING	2
22	229701_REV1	OIL SEAL 32 X 47 X 7	2
23	230002_REV2	PIVOT BOLT - CASSETTE	1
24	230326_REV0	BEARING SPACER CASSETTE OUTER	2
25	800126_REV0	G860 SHEAR BLADE & CARRIER	1
26	J20064_REV0	GREASE NIPPLE 1/4" UNF	2
27	SP01016_REV0	BUTTON HEAD M6 X 12	2
28	SP01019_REV0	BUTTON HEAD M6 X 16	2
29	SP01045_REV0	HEX SET SCREW M8 X 25	3
30	SP01058_REV0	CSK CAP HEAD M8 X 20	3
31	SP01059_REV0	HEX SET SCREW M12 X 25	5
32	SP01060_REV0	HEX SET SCREW 1/2" UNF X 3/4"	2
33	SP01061_REV0	CAP HEAD M10 X 80 FULL THREAD	1
34	SP02004_REV0	NUT M6 NYLOC	4
35	SP02013_REV0	NUT M10 LOCK (THIN)	3
36	SP02016_REV0	NUT 1/2" UNF	4
37	SP03004_REV0	WASHER M8 TOOTHED	3
38	SP03007_REV0	WASHER M6 X 20	2
39	SP03011_REV0	WASHER M10 FORM A	2
40	SP03012_REV0	WASHER M12 FORM A	16
41	SP05010_REV0	SPLIT PIN 1/8" X 1"	2

CASSETTE VERTICUTTER



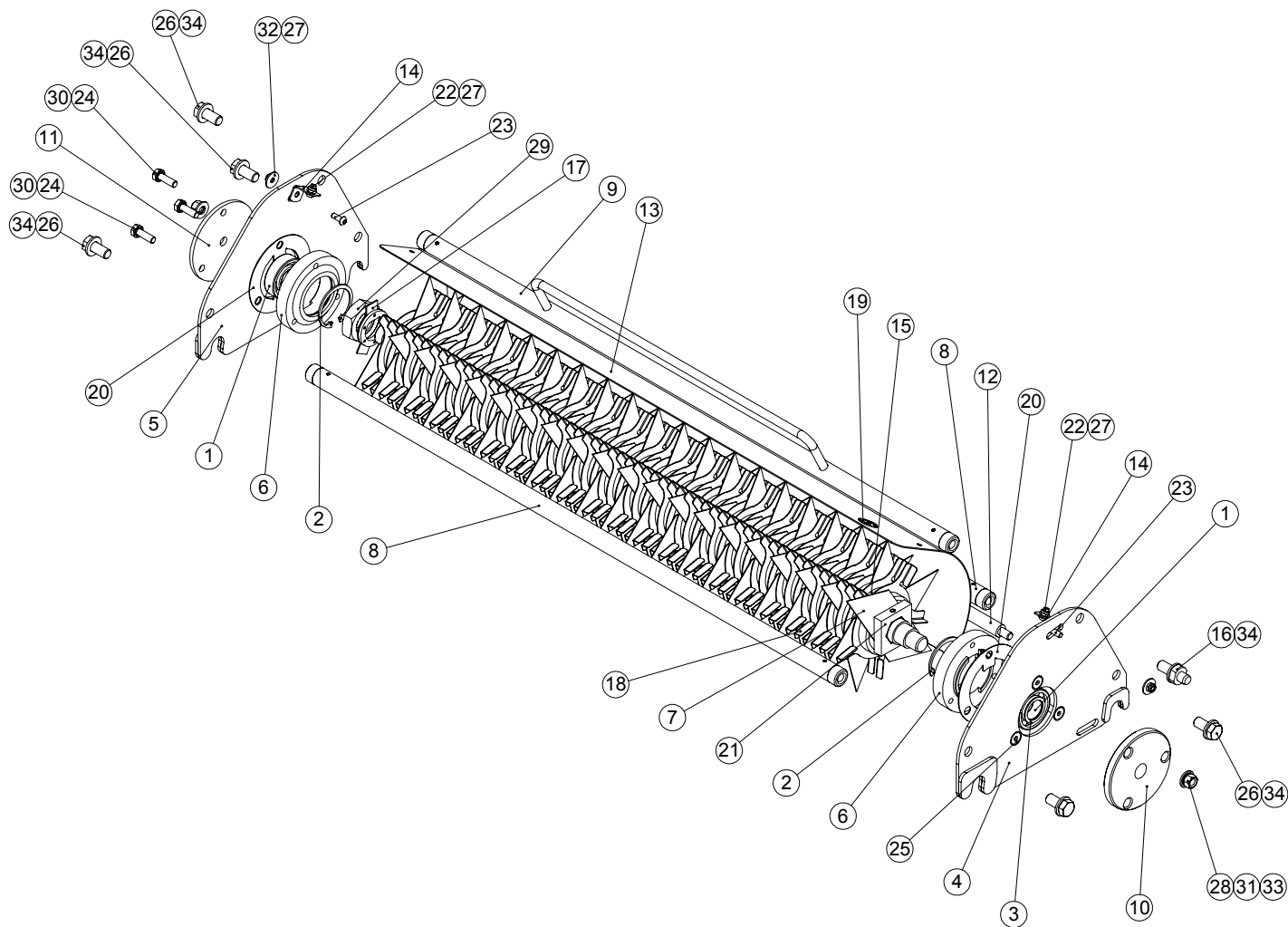
MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
8	G660	229657	26" TIE BAR	2
8	G760	229295	30" TIE BAR	2
8	G860	229296	34" TIE BAR	2
9	G660	229658	26" HANDLE TIE BAR	1
9	G760	229297	30" HANDLE TIE BAR	1
9	G860	229298	34" HANDLE TIE BAR	1
12	G660	229660	26" NON CUTTER CASSETTE BAR	1
12	G760	229349	30" NON CUTTER CASSETTE BAR	1
12	G860	229350	34" NON CUTTER CASSETTE BAR	1
13	G660	229663	26" NON CUTTER DEFLECTOR W.A.	1
13	G760	229353	30" NON CUTTER DEFLECTOR W.A.	1
13	G860	229354	34" NON CUTTER DEFLECTOR W.A.	1
21	G660	800168	26" HEX SHAFT ASSY	1
21	G760	800164	30" HEX SHAFT ASSY	1
21	G860	800165	34" HEX SHAFT ASSY	1

CASSETTE VERTICUTTER

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	062662_REV1	BEARING 6205-2RS 3	2
2	228042_REV0	CIRCLIP D1300 0520	2
3	228092_REV1	SHIM ID 25.8 X 1 THK	1
4	229220_REV2	L.H. NON-CUT CASSETTE S'PLATE W.A.	1
5	229221_REV2	R.H. NON-CUT CASSETTE S'PLATE W.A.	1
6	229289_REV1	BEARING HOUSING NON-CUTTER	2
7	229290_REV1	VERTICUT BLADE	58
8	229296_REV1	34" TIE BAR	2
9	229298_REV1	34" HANDLE TIE BAR	1
10	229299_REV1	DRIVEN / FEMALE COUPLING	1
11	229318_REV2	BEARING COVER	1
12	229350_REV1	34" NON CUTTER CASSETTE BAR	1
13	229354_REV1	34" NON CUTTER DEFLECTOR W.A.	1
14	229355_REV1	DEFLECTOR PLATE BRACKET	2
15	229357_REV1	BLADE SPACER	57
16	229385_REV2	STOP BOLT	1
17	229483_REV1	WASHER TAB 30MM	1
18	229534_REV1	FAN BLADE LARGE	57
19	229580_REV0	DECAL INSPECTION	1
20	230326_REV0	BEARING SPACER CASSETTE OUTER	2
21	800165_REV1	34" HEX SHAFT ASSY	1
22	SP01016_REV0	BUTTON HEAD M6 X 12	2
23	SP01019_REV0	BUTTON HEAD M6 X 16	2
24	SP01045_REV0	HEX SET SCREW M8 X 25	3
25	SP01058_REV0	CSK CAP HEAD M8 X 20	3
26	SP01059_REV0	HEX SET SCREW M12 X 25	5
27	SP02004_REV0	NUT M6 NYLOC	4
28	SP02015_REV0	NUT 3/8" UNF	2
29	SP02027_REV0	NUT M30 LOCK (THIN)	1
30	SP03004_REV0	WASHER M8 TOOTHED	3
31	SP03005_REV0	WASHER M10 TOOTHED	2
32	SP03007_REV0	WASHER M6 X 20	2
33	SP03011_REV0	WASHER M10 FORM A	2
34	SP03012_REV0	WASHER M12 FORM A	6

CASSETTE SCARIFIER



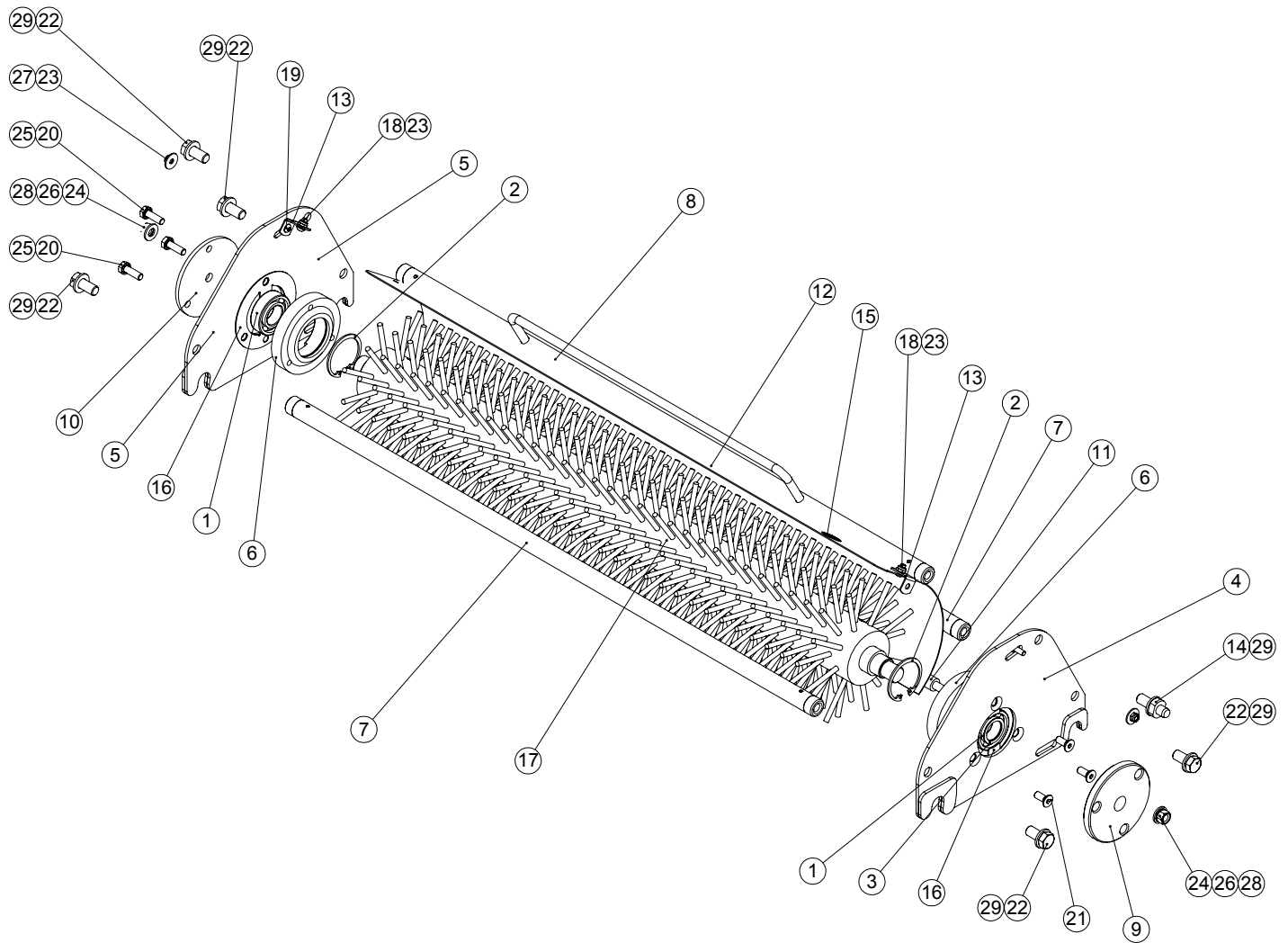
MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
7	D055/3,D053/3, D054/3	229291	1mm SCARIFIER BLADE	AS REQUIRED
7	D055/4,D053/4, D054/4	229418	2mm SCARIFIER BLADE	AS REQUIRED
7	D055/4TT,D053/4TT, D054/4TT	230106	TT SCARIFIER BLADE	AS REQUIRED
8	G660	229657	26" TIE BAR	2
8	G760	229295	30" TIE BAR	2
8	G860	229296	34" TIE BAR	2
9	G660	229658	26" HANDLE TIE BAR	1
9	G760	229297	30" HANDLE TIE BAR	1
9	G860	229298	34" HANDLE TIE BAR	1
12	G660	229660	26" NON CUTTER CASSETTE BAR	1
12	G760	229349	30" NON CUTTER CASSETTE BAR	1
12	G860	229350	34" NON CUTTER CASSETTE BAR	1
13	G660	229663	26" NON CUTTER DEFLECTOR W.A.	1
13	G760	229353	30" NON CUTTER DEFLECTOR W.A.	1
13	G860	229354	34" NON CUTTER DEFLECTOR W.A.	1
21	G660	800168	26" HEX SHAFT ASSY	1
21	G760	800164	30" HEX SHAFT ASSY	1
21	G860	800165	34" HEX SHAFT ASSY	1

CASSETTE SCARIFIER

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	062662_REV1	BEARING 6205-2RS 3	2
2	228042_REV0	CIRCLIP D1300 0520	2
3	228092_REV1	SHIM ID 25.8 X 1 THK	1
4	229220_REV2	L.H. NON-CUT CASSETTE S'PLATE W.A.	1
5	229221_REV2	R.H. NON-CUT CASSETTE S'PLATE W.A.	1
6	229289_REV1	BEARING HOUSING NON-CUTTER	2
7	229291_REV1	1MM SCARIFIER BLADE	58
8	229296_REV1	34" TIE BAR	2
9	229298_REV1	34" HANDLE TIE BAR	1
10	229299_REV1	DRIVEN / FEMALE COUPLING	1
11	229318_REV2	BEARING COVER	1
12	229350_REV1	34" NON CUTTER CASSETTE BAR	1
13	229354_REV1	34" NON CUTTER DEFLECTOR W.A.	1
14	229355_REV1	DEFLECTOR PLATE BRACKET	2
15	229357_REV1	BLADE SPACER	57
16	229385_REV2	STOP BOLT	1
17	229483_REV1	WASHER TAB 30MM	1
18	229534_REV1	FAN BLADE LARGE	57
19	229580_REV0	DECAL INSPECTION	1
20	230326_REV0	BEARING SPACER CASSETTE OUTER	2
21	800165_REV1	34" HEX SHAFT ASSY	1
22	SP01016_REV0	BUTTON HEAD M6 X 12	2
23	SP01019_REV0	BUTTON HEAD M6 X 16	2
24	SP01045_REV0	HEX SET SCREW M8 X 25	3
25	SP01058_REV0	CSK CAP HEAD M8 X 20	3
26	SP01059_REV0	HEX SET SCREW M12 X 25	5
27	SP02004_REV0	NUT M6 NYLOC	4
28	SP02015_REV0	NUT 3/8" UNF	2
29	SP02027_REV0	NUT M30 LOCK (THIN)	1
30	SP03004_REV0	WASHER M8 TOOTHED	3
31	SP03005_REV0	WASHER M10 TOOTHED	2
32	SP03007_REV0	WASHER M6 X 20	2
33	SP03011_REV0	WASHER M10 FORM A	2
34	SP03012_REV0	WASHER M12 FORM A	6

CASSETTE BRUSH



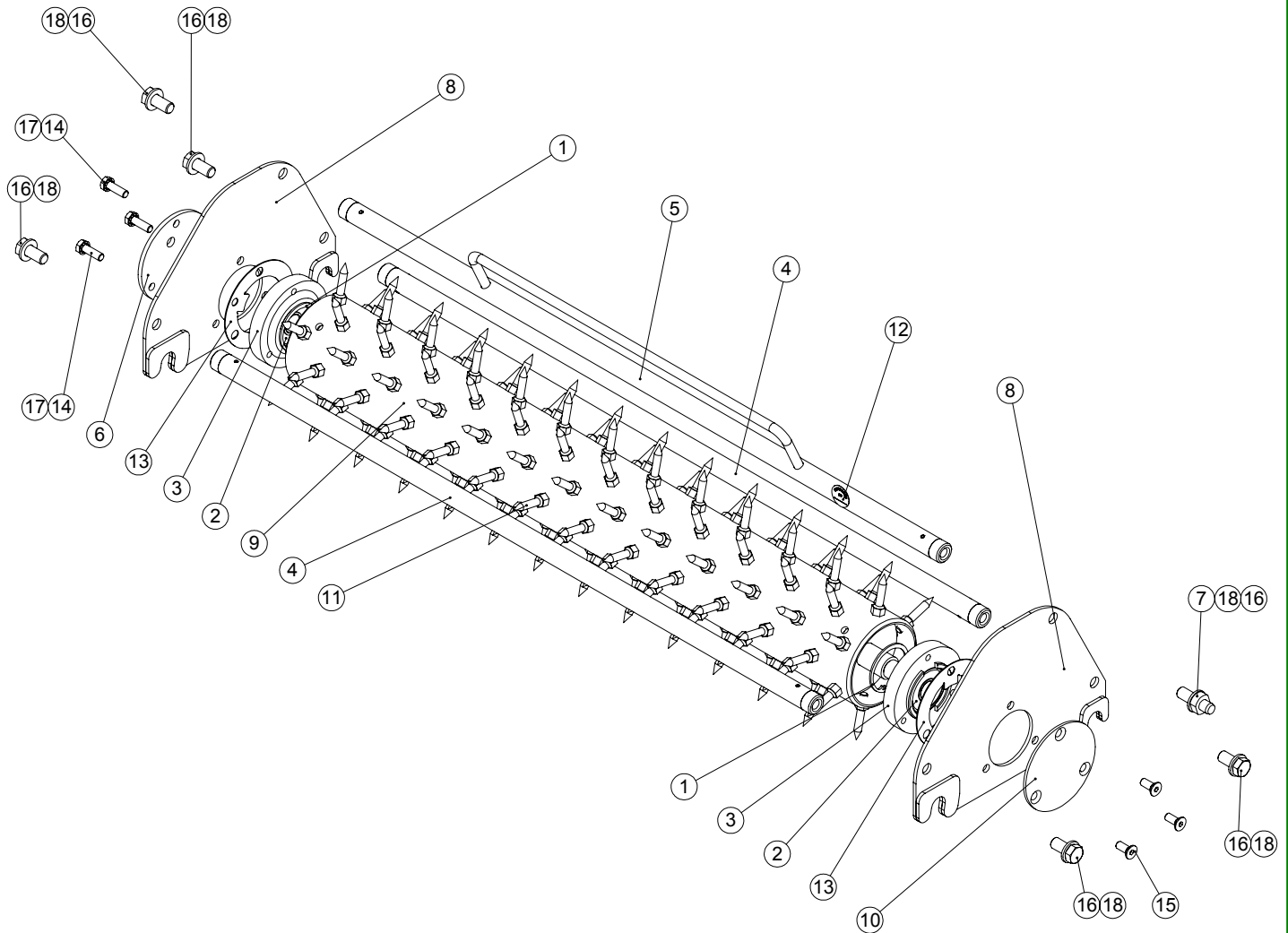
MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
7	G660	229657	26" TIE BAR	2
7	G760	229295	30" TIE BAR	2
7	G860	229296	34" TIE BAR	2
8	G660	229658	26" HANDLE TIE BAR	1
8	G760	229297	30" HANDLE TIE BAR	1
8	G860	229298	34" HANDLE TIE BAR	1
11	G660	229660	26" NON CUTTER CASSETTE BAR	1
11	G760	229349	30" NON CUTTER CASSETTE BAR	1
11	G860	229350	34" NON CUTTER CASSETTE BAR	1
12	G660	229663	26" NON CUTTER DEFLECTOR W.A.	1
12	G760	229353	30" NON CUTTER DEFLECTOR W.A.	1
12	G860	229354	34" NON CUTTER DEFLECTOR W.A.	1
17	G660	800173	BRUSH SHAFT ASSY 26" SOFT	1
17	G760	800189	BRUSH SHAFT ASSY 30" SOFT	1
17	G860	800167	BRUSH SHAFT ASSY 34" SOFT	1
17	G660	800172	BRUSH SHAFT ASSY 26" HARD	1
17	G760	800183	BRUSH SHAFT ASSY 30" HARD	1
17	G860	800184	BRUSH SHAFT ASSY 34" HARD	1
17	G660	80192	BRUSH SHAFT ASSY 26" MULTI	1
17	G760	800190	BRUSH SHAFT ASSY 30" MULTI	1
17	G860	800191	BRUSH SHAFT ASSY 34" MULTI	1

CASSETTE BRUSH

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	062662_REV1	BEARING 6205-2RS 3	2
2	228042_REV0	CIRCLIP D1300 0520	2
3	228092_REV1	SHIM ID 25.8 X 1 THK	1
4	229220_REV2	L.H. NON-CUT CASSETTE S'PLATE W.A.	1
5	229221_REV2	R.H. NON-CUT CASSETTE S'PLATE W.A.	1
6	229289_REV1	BEARING HOUSING NON-CUTTER	2
7	229296_REV1	34" TIE BAR	2
8	229298_REV1	34" HANDLE TIE BAR	1
9	229299_REV1	DRIVEN / FEMALE COUPLING	1
10	229318_REV2	BEARING COVER	1
11	229350_REV1	34" NON CUTTER CASSETTE BAR	1
12	229354_REV1	34" NON CUTTER DEFLECTOR W.A.	1
13	229355_REV1	DEFLECTOR PLATE BRACKET	2
14	229385_REV2	STOP BOLT	1
15	229580_REV0	DECAL INSPECTION	1
16	230326_REV0	BEARING SPACER CASSETTE OUTER	2
17	800191_REV2	BRUSH SHAFT ASSEMBLY 34" MULTI	1
18	SP01016_REV0	BUTTON HEAD M6 X 12	2
19	SP01019_REV0	BUTTON HEAD M6 X 16	2
20	SP01045_REV0	HEX SET SCREW M8 X 25	3
21	SP01058_REV0	CSK CAP HEAD M8 X 20	3
22	SP01059_REV0	HEX SET SCREW M12 X 25	5
23	SP02004_REV0	NUT M6 NYLOC	4
24	SP02015_REV0	NUT 3/8" UNF	2
25	SP03004_REV0	WASHER M8 TOOTHED	3
26	SP03005_REV0	WASHER M10 TOOTHED	2
27	SP03007_REV0	WASHER M6 X 20	2
28	SP03011_REV0	WASHER M10 FORM A	2
29	SP03012_REV0	WASHER M12 FORM A	6

CASSETTE SORREL ROLLER



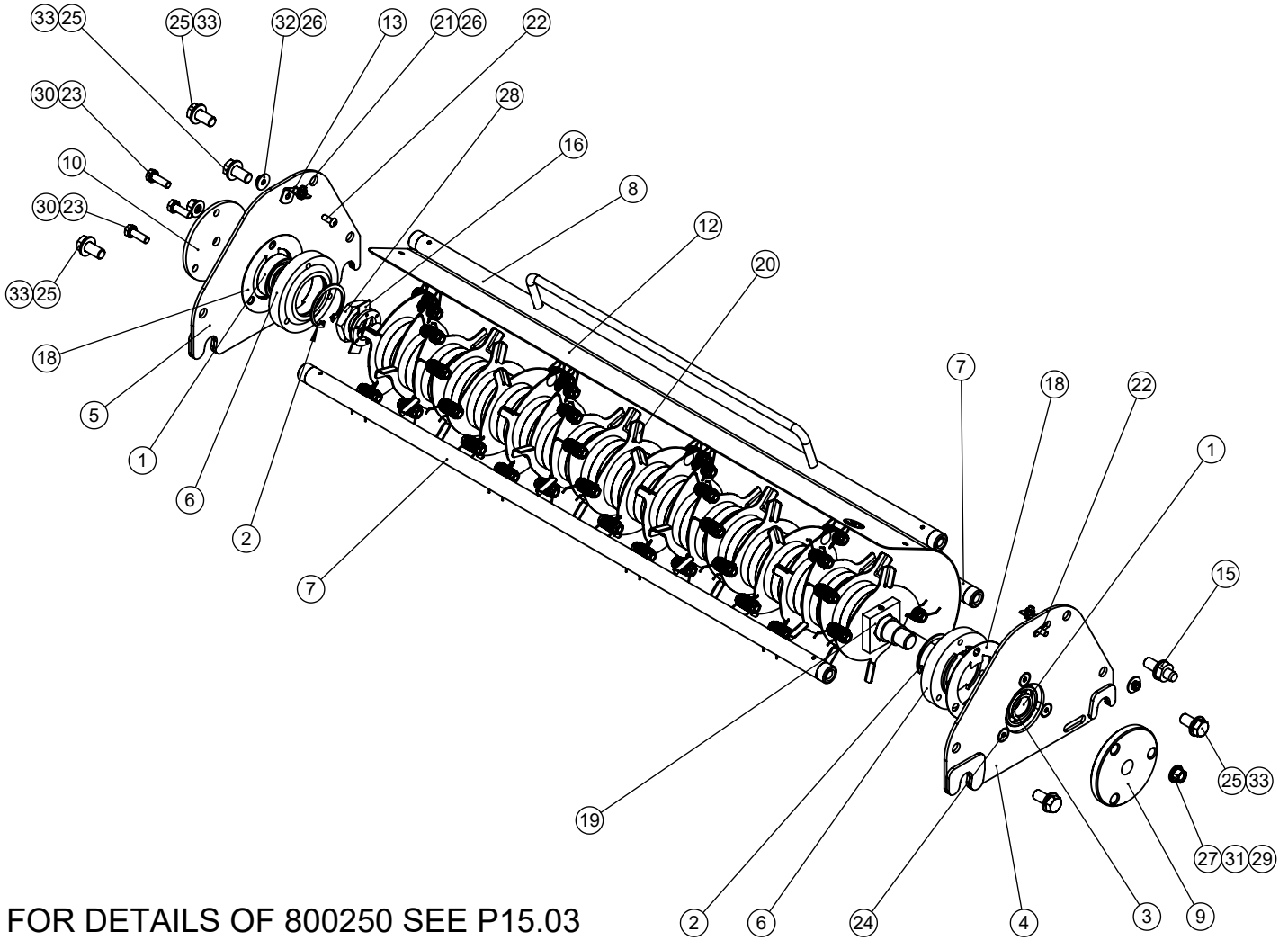
MODEL DIFFERENCES

ITEM No.	MODEL	PART NUMBER	DESCRIPTION	QTY
4	G660	229657	26" TIE BAR	2
4	G760	229295	30" TIE BAR	2
4	G860	229296	34" TIE BAR	2
5	G660	229658	26" HANDLE TIE BAR	1
5	G760	229297	30" HANDLE TIE BAR	1
5	G860	229298	34" HANDLE TIE BAR	1
9	G660	229669	SORREL ROLLER 26"	1
9	G760	229503	SORREL ROLLER 30"	1
9	G860	229504	SORREL ROLLER 34"	1

CASSETTE SORREL ROLLER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	228042_REV0	CIRCLIP D1300 0520	2
2	228079_REV1	BEARING 6304 2RS	2
3	229289_REV1	BEARING HOUSING NON-CUTTER	2
4	229296_REV1	34" TIE BAR	2
5	229298_REV1	34" HANDLE TIE BAR	1
6	229317_REV1	BEARING COVER SORREL R.H.	1
7	229385_REV2	STOP BOLT	1
8	229502_REV1	SORREL SIDE PLATE W.A.	2
9	229504_REV1	SORREL ROLLER 34"	1
10	229539_REV1	BEARING COVER SORREL	1
11	229560_REV1	8MM SORREL SPIKE	150
12	229580_REV0	DECAL INSPECTION	1
13	230326_REV0	BEARING SPACER CASSETTE OUTER	2
14	SP01045_REV0	HEX SET SCREW M8 X 25	3
15	SP01058_REV0	CSK CAP HEAD M8 X 20	3
16	SP01059_REV0	HEX SET SCREW M12 X 25	5
17	SP03004_REV0	WASHER M8 TOOTHED	3
18	SP03012_REV0	WASHER M12 FORM A	6

CASSETTE SPRING TIME



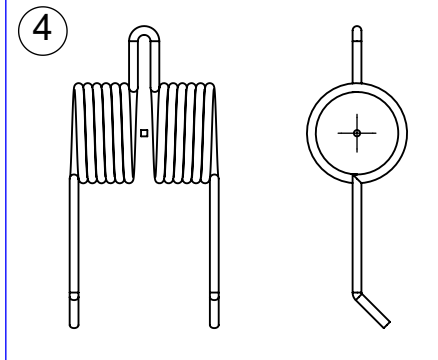
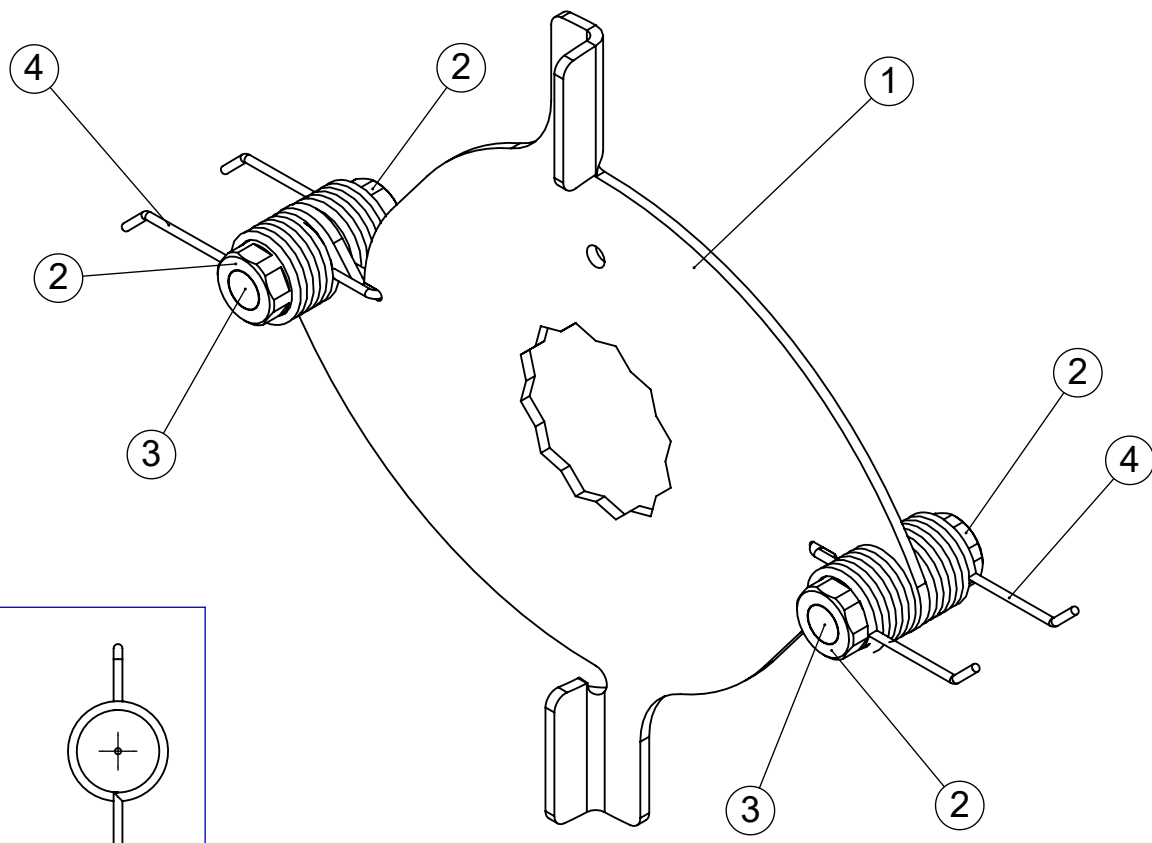
FOR DETAILS OF 800250 SEE P15.03

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CASSETTE SPRING TINE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	062662_REV1	BEARING 6205-2RS 3	2
2	228042_REV0	CIRCLIP D1300 0520	2
3	228092_REV1	SHIM ID 25.8 X 1 THK	1
4	229220_REV2	L.H. NON-CUT CASSETTE S'PLATE W.A.	1
5	229221_REV2	R.H. NON-CUT CASSETTE S'PLATE W.A.	1
6	229289_REV1	BEARING HOUSING NON-CUTTER	2
7	229296_REV1	34" TIE BAR	2
8	229298_REV1	34" HANDLE TIE BAR	1
9	229299_REV1	DRIVEN / FEMALE COUPLING	1
10	229318_REV2	BEARING COVER	1
11	229350_REV1	34" NON CUTTER CASSETTE BAR	1
12	229354_REV1	34" NON CUTTER DEFLECTOR W.A.	1
13	229355_REV1	DEFLECTOR PLATE BRACKET	2
14	229357_REV1	BLADE SPACER	63
15	229385_REV2	STOP BOLT	1
16	229483_REV1	WASHER TAB 30MM	1
17	229580_REV0	DECAL INSPECTION	1
18	230326_REV0	BEARING SPACER CASSETTE OUTER	2
19	800165_REV1	34" HEX SHAFT ASSY	1
20	800250_REV0	SPRING BLADE ASSY	22
21	SP01016_REV0	BUTTON HEAD M6 X 12	2
22	SP01019_REV0	BUTTON HEAD M6 X 16	2
23	SP01045_REV0	HEX SET SCREW M8 X 25	3
24	SP01058_REV0	CSK CAP HEAD M8 X 20	3
25	SP01059_REV0	HEX SET SCREW M12 X 25	5
26	SP02004_REV0	NUT M6 NYLOC	4
27	SP02015_REV0	NUT 3/8" UNF	2
28	SP02027_REV0	NUT M30 LOCK (THIN)	1
29	SP03002_REV0	WASHER 3/8"	2
30	SP03004_REV0	WASHER M8 TOOTHED	3
31	SP03005_REV0	WASHER M10 TOOTHED	2
32	SP03007_REV0	WASHER M6 X 20	2
33	SP03012_REV0	WASHER M12 FORM A	6

800250 SPRING BLADE ASSY



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	230654_REV0	BLADE SPRING TINE	1
2	230659_REV0	SPRING NUT	4
3	SP13008_REV1	SPRING TORSION 1.4	2
4	SP01164_REV0	GRUB SCREW M8 X 30 SS	2



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