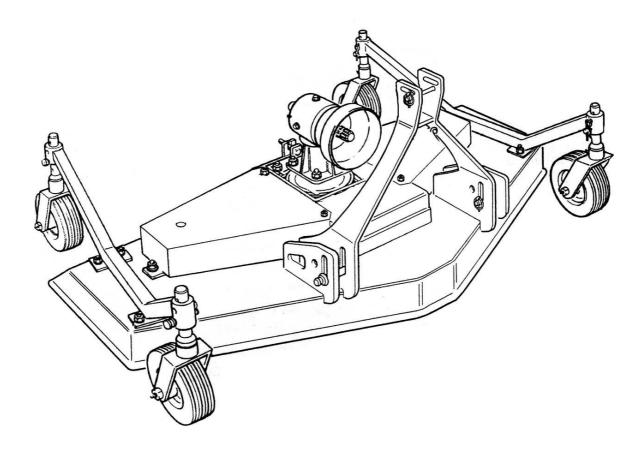


# **Operation Manual and Parts Book**

Wessex ProLine CR12/2 and CR12/4 Finishing Mower



Product Code: L2005



GB Issue July 2014

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Thank you for purchasing a Wessex product. As a Wessex customer, you now number among the most important people of our business and we will endeavour to give you the best service available through our dealer network.

Please read this Manual carefully and familiarise yourself and other persons that will be using the machine with its contents, to ensure the optimum performance and working life of your machine. It is advisable that a copy of this Manual is kept in the workshop and one copy with the machine. Further copies are available through your dealer.

On delivery, your dealer should go through the workings of the machine with you, explaining the setting up procedures, all of which are contained in this manual for further reference. The Warranty Registration Form must also be completed and returned to us **within 7 days of delivery** in order to validate the Warranty.

PLEASE READ THE FOLLOWING PAGES CAREFULLY BEFORE USING YOUR MACHINE AND KEEP THIS MANUAL IN A SAFE PLACE.



THIS SAFETY SYMBOL IS TO ALERT OPERATORS OF A HAZARD THAT MAY RESULT IN INJURY. ALWAYS FOLLOW INSTRUCTIONS CAREFULLY

### SAFETY DECALS



GB	ATTENTION	Description of pictograms.
----	-----------	----------------------------

- ATTENTION Description des pictogrames.
- VORSICH Beschreigung der piktogramme.



- GB Read Operating manual before use.
- F Lisez Manual D'Opéreration avant l'utilisation.
- D Vor der Benutzung, Betriebshandbuch lesen.



GB Protective eyewear, footwear, gloves and ear protectors must be worn.



D Schutzbrille, schuhe, handschuhe une Gerhörschutz getragen warden muss.

F

F

D

GB Never remove guards or attempt adjustment until rotor has stopped.



F

Lunettes de protection, chaussures gants, protégés-oreilles doivent êtres portées.

- Ne retirez jamais les gardes ou d'ajustement tentative jusqu'à ce que toutes les pièces mobiles ont été interrompus.
- D Schutzvorrichtung niemals abnehmen oder einstellung versuchen, bevore der rotor abstellt.



- GB Bystanders must be at least 20 metres from machine range of action.
- F Des spectateurs doivent s'écarter au moins 20 mètres du rayon d'action de la machine.
- D Umstenhenden müßen sich mindestens 20 meter vom maschinenbetriebsraum entfernen.



- GB Stand clear. Flying objects possible.
- F S'écartez! Possibilité d'objets volants.
- D Zurückbleiben! Herumfliegende objekte möglich



- GB Examine blades regularly. The operator is responsible for machine damage caused by unbalanced rotors.
- F Examinez des lames régulièrement. L'opérateur est responsable des dommages à la machine provoqés par des rotors mal equilibrés
- Klingen regelmäßig kontrollieren. Der abeiter ist an den durch unausgewogenen rotoren maschinenschäden verantwortlich. D



- GB Keep hands and feet clear
- F Garder les mains et les pieds.
- D Halten Sie Ihre Hände und Füße.



- GB Grease points
- F Les points de graissage
- D Grease Punkte.



Wessex machines are guarded for your protection, but you must always observe certain elementary precautions. Machines are potentially **dangerous** and should be used with the greatest respect and **ALL OPERATORS MUST** read this manual and be are aware of all safety precautions.

- 1. **NEVER** attempt any adjustment whatsoever, unless the machine is **COMPLETELY** at a standstill.
- 2. **NEVER** attempt to clear any obstructions around the mower unless the machine is **COMPLETELY** at a standstill.
- 3. **NEVER** remove belt guards unless the machine is **COMPLETELY** at a standstill.
- 4. **NEVER** remove safety guards which are provided for your protection.
- 5. **NEVER** operate the mower with people behind, keep everybody (especially children and animals) at a safe distance, **minimum 20 metres**.
- 6. Stand well back from the machine when cutters are spinning.
- 7. Regularly inspect the **BLADES AND FIXING BOLTS** to ensure that they are in tip-top condition. Replace blades **IMMEDIATELY** if any signs of fracture or excess wear becomes apparent. Serious damage, which is excluded from our warranty conditions, may result from using your mower with an unbalanced rotor. When replacing blades, always fit new mounting bolts and nuts to ensure that the rotor is balanced and running smoothly.

#### **HEALTH AND SAFETY - Noise at Work Regulations**

#### READING AT THE OPERATORS EAR CR seriesmowers : 94 D.B.A

Depending on conditions and material being cut, this reading may alter, it is therefore advisable for users to do their own assessment.



In compliance with the above regulations, Ear Protectors must be worn when operating machinery.

Your Wessex product or equipment is warranted free from defect in workmanship or manufacture for one year from date of purchase. Any parts which appear to us to be defective, either in material or workmanship shall be replaced or repaired at no cost to the purchaser, subject to the following conditions:

- 1. The registration card enclosed with this booklet must be returned to us within seven days of purchase. Alternatively if you prefer, you may register your product via our Website. http://www.wessexintl.com/warranty-registration
- 2. Any failure in the machine should be reported in the first instance immediately to your dealer, who will act on your behalf to resolve the matter to your satisfaction.
- 3. The defective parts will be returned by your dealer to us, accompanied by a full statement describing the failure and the circumstances and conditions in which the failure occurred.
- 4. The following are specifically excluded from our terms of warranty:
  - a) Fair wear and tear, especially to belts, brushes, blades and spinners.
  - b) Damage to blades or brushes caused through incorrect positioning of the rotor (see instructions).
  - c) Damage caused by neglect or lack of lubrication.
  - d) Damage caused by misuse or abuse.
  - e) Damage caused whilst the machine is in transit.
  - f) Damage caused to the frame of the machine by running the machine with unbalanced rotors, blades or spinners.
  - g) Damage caused to the machine by use with loose nuts, bolts, screws or any other type of fittings.
- 5. The warranty is for the benefit of the first user only.
- 6. Wessex International decisions will be final and binding.

#### Note:

It is recommended that every machine is inspected after one hour of operation to check that all nuts, bolts, screws or any other types of fixings are tight and any loose fixings or components should be rectified as appropriate.

Further inspections should be carried out at regular intervals thereafter.

- 1. Stand your machine on level ground and ensure that the height adjustment stems above each wheel are held in the same position by pins and clips provided.
- 2. Reverse your tractor up to your mower, and connect the bottom link arms into the clevis provided. On 4 wheel mowers, ensure that the bushes are located in the slots.
- 3. Adjust the right hand link arm so that both bottom link pins are at the same position in the slots.
- 4. Connect the top link.
- 5. Connect the PTO shaft, ensuring that the shaft is not too long for your tractor. If necessary, the shaft, which is of tubular section, may be easily cut with a hacksaw, taking care to cut each tube to the same amount (see PTO shaft Operation & Maintenance).

### SPECIAL ADJUSTMENT FOR FINE GRASS CUTTING

- 1. After having set up the machine as above, one pivoting jaw pin may be removed, to allow the pivoting jaw to pivot. Adjust the top link so that the pivoting jaw is in the upright position.
- 2. If the mower scalps the ground, it is most likely that the mower is set too low for the conditions. Raise the cutting height by one increment on each of the wheel adjustment bars.
- 3. If set up carefully in accordance with these instructions, your mower will give good service, leaving a fine finish and following ground contours accurately.
- 4. Replace the pin in the pivoting jaw for road transport.

### **USING YOUR WESSEX MOWER**

- 1. The *correct* PTO speed for your mower is 540 rpm. **NEVER** use the mower at a PTO speed in excess of this.
- 2. Having set the mower up in accordance with the instructions above, engage the PTO, and, selecting a low forward speed, gently release the clutch.
- 3. You will establish by experience what is the optimum forward speed for your conditions, but on regularly maintained grass, you should achieve a good finish at 5-6 mph.
- 4. Long wet grass will have to be cut more slowly. In very difficult conditions better results are obtained by making two passes, in opposite directions lowering the cutting height for the second pass.

The drive belts are adjusted by moving the gearbox on its mounting bracket in relation to the mower deck.

First slacken the four holding bolts on the base of the gearbox-mounting bracket. To tighten belts, turn the rear adjusting nut anti clockwise, and to slacken the belts, turn clockwise.

The belts should be free to move about 12 mm under finger pressure. If they are too tight, there will be undue stress on the driven parts.

When belts are adjusted correctly, lock the adjusting nut in place, and tighten the gearbox holding bolts. Both drive belts are tightened equally.

### LUBRICATION

IMPORTANT	Only use Wessex <b>XP ProMotive</b> high performance grease. Specially formulated for high speed, high temperature and moisture resistance. Order through your dealer (Part Number WX-9884).
DAILY	Grease the spindle bearings through the grease nipple above the spindle belt pulleys.
	Grease both cross bearings on the PTO shaft.
	Grease the tubes of the PTO shaft.
REGULARLY	Grease the wheel bearings.
	Grease the castor assembly.
	Check the gearbox oil level. The level plug is on the side of the gear box. Top up with a 90 grade gear oil.

### MAINTENANCE

#### Check ALL FASTENING SETS after first 8 hours of work.

#### BELTS

These should be checked periodically, and replaced if found to be fraying, cut, or damaged in any other way.

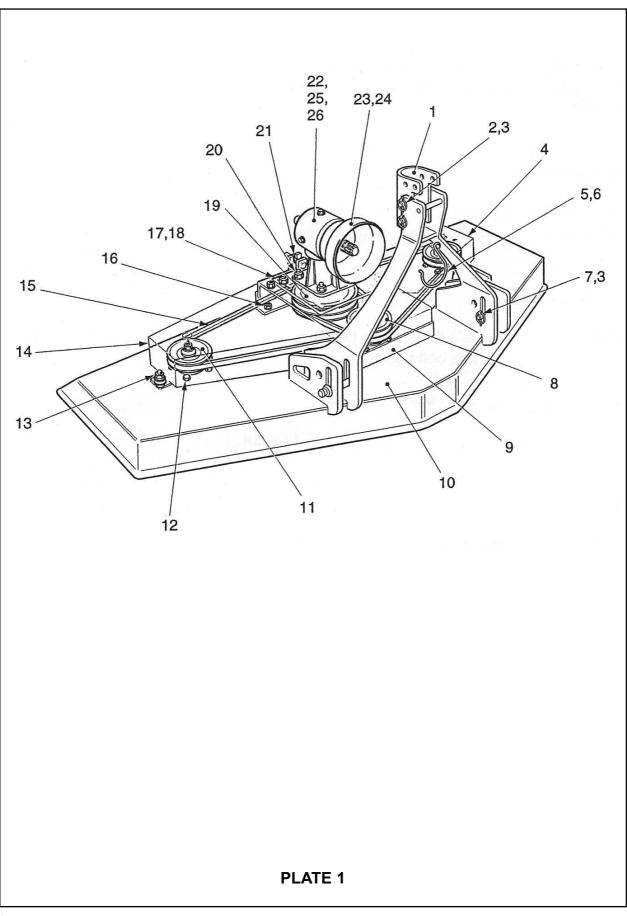
### BLADES

These should be regularly checked for condition. Damaged blades cause imbalance in the rotor, and in turn can cause serious damage to the mower, which is specifically excluded from our warranty conditions.

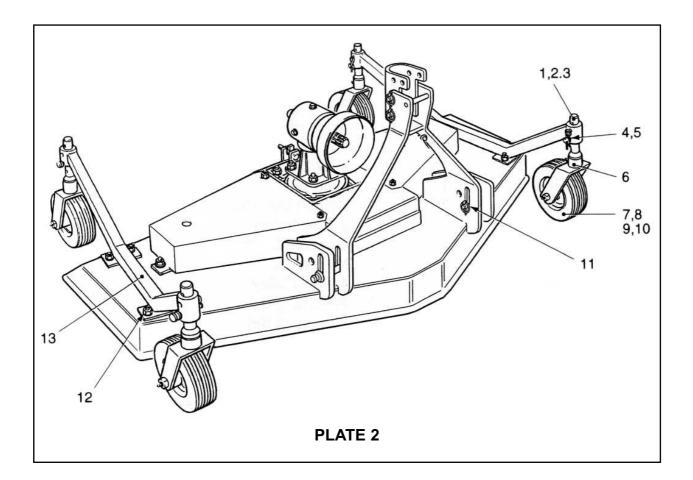
If the mower begins to vibrate, stop work immediately and investigate. Almost certainly the cause will be damaged blades.

#### SPARE PARTS

Spare parts for your Wessex Mower can be obtained through our extensive dealer network. For details of your nearest supplier or technical information, please email <u>parts@wessexintl.co.uk</u> or telephone 01264 345870.

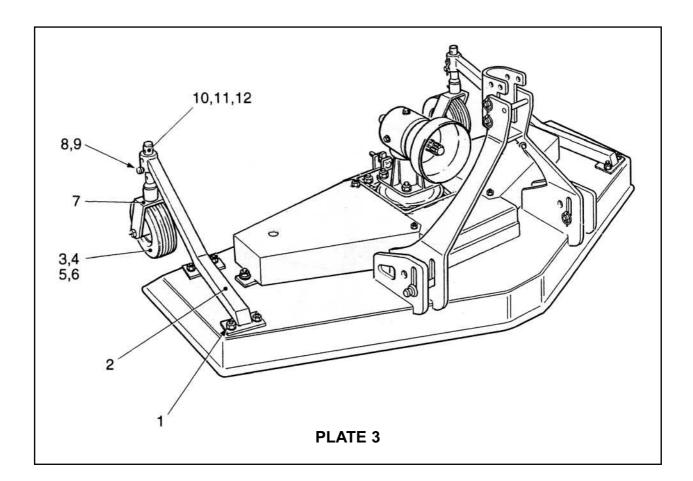


ltem No.	Part No.	Description	Qty. per Machine
1	WX-14280	Pivoting Jaw	1
2	WX-0426	Pivoting Jaw Pin	2
3	WX-0127	Linch Pin	4
4	WX-9077	Guard (LH)	1
5	WX-9280	PTO Shaft Holder	1
6	WX-0229	Shackle	1
7	WX-0826	Bottom Link Pin	2
8	WX-4362	2 Row Pulley	1
9	WX-4957	Gearbox Bracket	1
10	WX-8179	Mainframe	1
11	WX-4262	1 Row Pulley	2
12	WX-3503	Pulley Hub Fastening Set	3
13	WX-6103	Belt Guard Fastening Set	2
14	WX-9177	Guard (RH)	1
15	WX-0534	Drive Belt	2
16	WX-5003	Gearbox Bracket Fastening Set	1
17	WX-5157	Gearbox Mounting Plate	1
18	WX-4603	Gearbox Mounting Fastening Set	1
19	WX-3962	Drive Pulley	1
20	WX-4703	Gearbox Fastening Set	1
21	WX-0210	Adjusting Nut	2
22	WX-5257	Gearbox Assembly	1
23	WX-5177	Gearbox Cone Guard	1
24	WX-5103	Gearbox Cone Guard Fastening Set	1
25	WX-2025	Disc Spring	1
26	WX-0547	Кеу	1



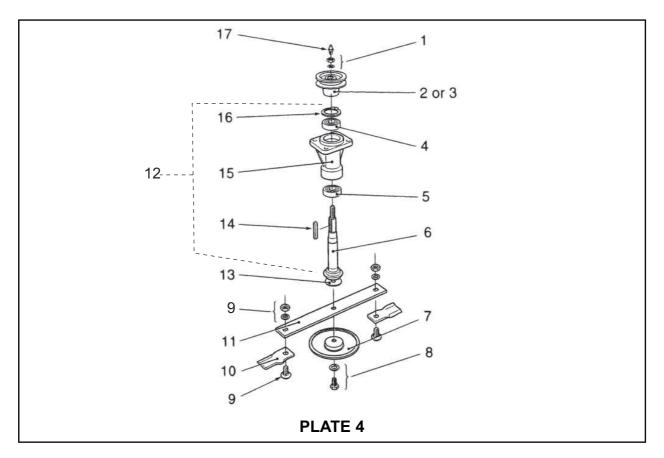
# PARTS LIST - CR 4 WHEEL ASSEMBLY - PLATE 2

Item No.	Part No.	Description	Qty. per Machine
1	WX-2651	Height Adjustment Stem	4
2	WX-6303	Wheel Fork Fastening Set	4
3	WX-1520	Special Washer	4
4	WX-0628	Height Adjustment Pin	4
5	WX-0121	'R' Clip	4
6	WX-5953	Wheel Fork	4
7	WX-3052	Wheel	4
8	WX-5853	Axle Bush	4
9	WX-0922	Circlip	8
10	WX-6203	Axle Fastening Set	4
11	WX-1328	Lower Link Bush	4
12	WX-5903	Wheel Arm Fastening Set	2
13	WX-10651	Wheel Arm	2



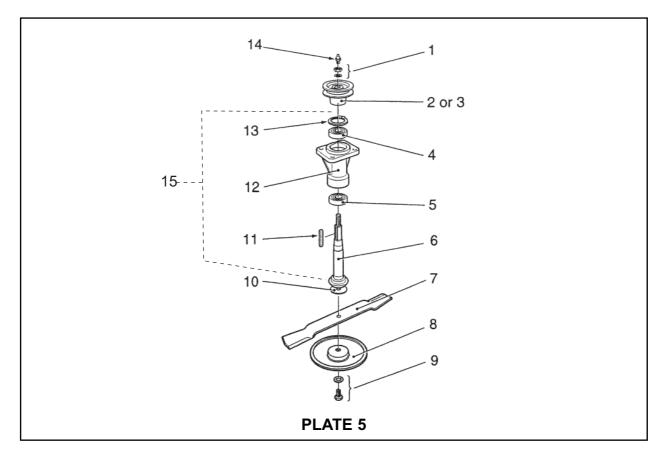
# PARTS LIST - CR 2 WHEEL ASSEMBLY - PLATE 3

ltem No.	Part No.	Description	Qty. per Machine
1	WX-5903	Wheel Arm Fastening Set	2
2	WX-10551	Wheel Arm	2
3	WX-3052	Wheel	2
4	WX-5853	Axle Bush	2
5	WX-0922	Circlip	4
6	WX-6203	Axle Fastening Set	2
7	WX-5953	Wheel Fork	2
8	WX-0628	Height Adjustment Pin	2
9	WX-0121	'R' Clip	2
10	WX-2651	Height Adjustment Stem	2
11	WX-6303	Height Adjustment Stem Fastening Set	2
12	WX-1520	Special Washer	2



PARTS LIST - SPINDLE & BLADE ASSEMBLY (4 Wheel Mower)

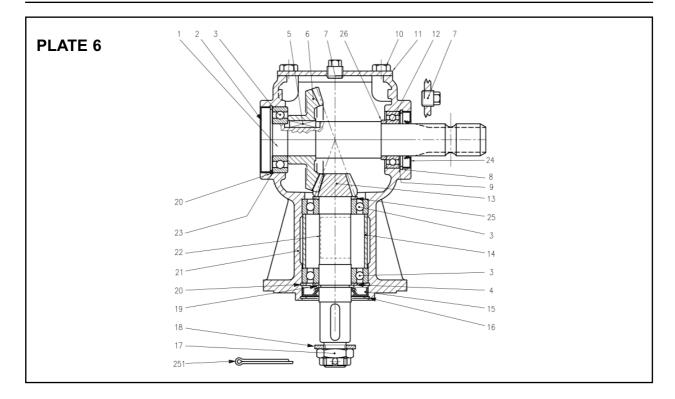
ltem No.	Part No.	Description	Qty. per Spindle
1	WX-5303	Pulley Fastening Set	1
2	WX-4262	1 Row Pulley	1
3	WX-4362	2 Row Pulley	1
4	WX-0838	Upper Spindle Bearing	1
5	WX-0938	Lower Spindle Bearing	1
6	WX-6066	Cutter Spindle	1
7	WX-4370	Anti-Scalp Boss	1
8	WX-3603	Blade Bar Fastening Set	1
9	WX-1339	Blade Bolt	2
10	WX-4570	Blade Tip	2
11	WX-4870	Blade Bar	1
12	WX-5966B	Spindle Assembly	1
13	WX-0220	Fibre Washer	1
14	WX-0147	Кеу	1
15	WX-5966	Spindle Bearing Housing	1
16	WX-1722	Circlip	1
17	WX-0246	Grease Nipple	1



PARTS LIST - SPINDLE & BLADE ASSEMBLY (2 Wheel Mower)

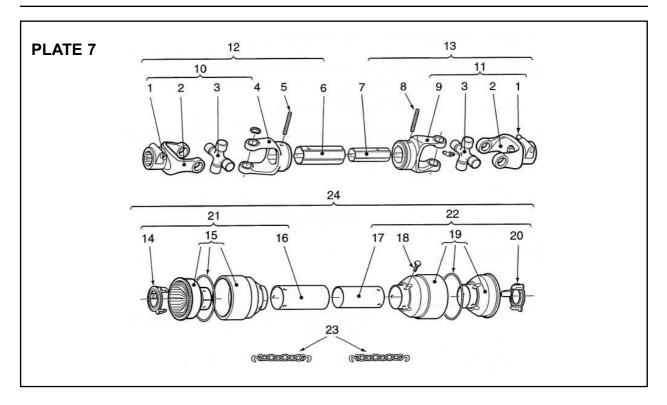
Item No.	Part No.	Description	Qty. per Spindle
1	WX-5303	Pulley Fastening Set	1
2	WX-4262	1 Row Pulley	1
3	WX-4362	2 Row Pulley	1
4	WX-0838	Upper Spindle Bearing	1
5	WX-0938	Lower Spindle Bearing	1
6	WX-6066	Cutter Spindle	1
7	WX-4670	Blade	1
8	WX-4470	Anti-Scalp Boss	1
9	WX-3603	Blade Fastening Set	1
10	WX-0220	Fibre Washer	1
11	WX-0147	Кеу	1
12	WX-5966	Spindle Bearing Housing	1
13	WX-1722	Circlip	1
14	WX-0246	Grease Nipple	1
15	WX-5966B	Spindle Assembly	1

# PARTS ILLUSTRATION / PARTS LIST - CR GEARBOX - PART No. WX-5257



Item No.	Part No.	Description	Qty. per Machine
1	0.141.2100.00	Input Shaft	1
2	8.7.0.00744	Oil Cap	1
3	8.0.1.00870	Bearing	3
4	0.259.7500.00	Shim Kit	1
5	8.4.1.00993	Кеу	1
6	0.133.5000.00	Crown Gear Z34	1
7	8.6.5.00006	Plug	2
8	8.5.2.00648	Snap Ring	1
9	0.113.7500.00	Shim Kit	1
10	8.1.1.00054	Bolt	4
11	0.205.1300.00	Cover	1
12	8.0.1.00000	Ball Bearing	1
13	0.141.6002.00	Output Shaft	1
14	0.141.7100.00	Spacer	1
15	8.7.1.00152	Double Lip Seal	1
16	8.5.3.00915	Snap Ring	1
17	8.2.2.01144	Castle Nut	1
18	8.3.2.00409	Flat Washer	1
19	8.5.1.00005	Snap Ring (For Shaft)	1
20	8.5.2.00131	Snap Ring (For Holes)	2
21	0.211.0300.00	Casing	1
22	0.124.7135.00	Plate	1
23	0.248.7500.00	Shim Kit	1
24	8.7.3.01259	Oil Seal	1
25	0.259.7500.00	Shim Kit	1
26	0.211.7100.00	Spacer	1

# PARTS ILLUSTRATION / PARTS LIST - PTO SHAFT - PART No. WX-5681



tem No.	Part No.	Description	Qty. per Machine
1	1.08.25	Push Pin Set	2
2	2.05.07	Push Pin Yoke	2
3	2.41	Cross Journal Set	2
4	2.06	Outer Yoke	1
5	1.12	Pin-Outer Tube	1
6	2.03.10	Outer Tube	1
7	2.04.10	Inner Tube	1
8	4.13	Pin-Inner Tube	1
9	2.07	Inner Yoke	1
10	2.01	U Joint-Outer	1
11	2.02	U Joint-Inner	1
12	022.501	Half Female Shaft	1
13	022.500	Half Male Shaft	1
14	012.007	Collar (Female Shield)	1
15	012.013	Cone (Female Shield)	1
16	121.108	Outer Shield	1
17	121.208	Inner Shield	1
18	000.019	Bolt	6
19	016.025	Cone (Male Shield)	1
20	012.006	Collar (Male Shield)	1
21	2.08.1F	Half Female Shield	1
22	2.08.1M	Half Male Shield	1
23	1.76.01	Safety Chain	2
24	2.08.F	Complete Shield	1

### **IMPORTANT!**

### PTO drive shafts must only be used for their intended purpose.

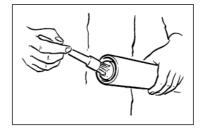
PTO drive shafts are designed for specific machine types and power requirements. They must not be replaced by other models. Ensure that the PTO drive shaft is securely connected.

### Only use a completely protected drive system:

PTO drive shaft with complete guard and complementary guard on tractor and implement. A complete guard is essential in all working positions.

### LUBRICATION

Lubricate with quality grease before starting work and every 8 operating hours.



Clean and grease the PTO drive shaft before each prolonged period of non-use.

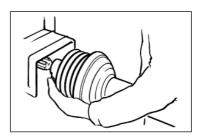
Grease the guard tubes in winter to prevent freezing.

### **COUPLING THE PTO SHAFT**

Clean and grease the PTO and PIN

### Q.-d pin

Press q.-d. pin and simultaneously push PTO drive shaft onto PTO until pin engages.



# LENGTH ADJUSTMENT

To adjust the length, hold the half-shafts next to each other in the shortest working position and mark them.

Shorten inner and outer guard tubes equally.

Shorten inner and outer sliding profiles by the same length as the guard tubes.

Round off all sharp edges and remove burrs. Grease sliding profiles.

No other changes may be made to the P.T.O. drive shaft and guard.

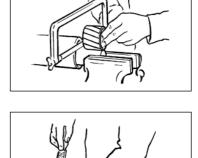
### **CHAINS**

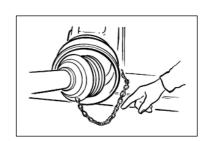
Chains must be fitted so as to allow sufficient articulation of the shaft in all working positions.

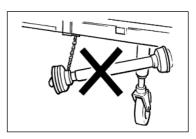
Do not let the chains encircle the P.T.O. guard in use as this will shorten the life of the P.T.O. guard.

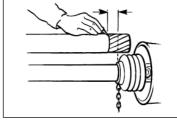
The PTO drive shaft must not be suspended from the chains!

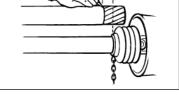












# SAFETY TRAINING INDUCTION

The undersigned personnel have been trained in the safe use of this Wessex machine and have understood the contents of the Operator's Manual.

	OPER	ATOR	INSTRUCTOR/TRAINER								
Date	Name	Signature	Name	Signature							

																OPERATOR'S NAME
																DATE OF
																HOURS
																Rotor, remove tangled objects
																Inspect condition of Blades
																All bolts and nuts, re-tighten if req'd.
																Grease Rotor Bearings
																Grease Wheel Bearings
																Inspect Tyres
																Check Gearbox Oil Level
																Inspect condition of Belts
																Inspect tension of Belts

NOTES

Certificate of Conformity		
Machine Model:	CR12/2 & CR12/4	
Description:	FINISHING MOWER	
<i>conforms to:</i> European Directives 2008/42/EC Supply of Machinery Regulations 2008 As amended 91/368EEC – 93/44EEC – 93/68EEC HSE AIS 33		
Signed: Quality Manager	Date: June 2008	
Charlton House, Caxt	Wessex International on Place, East Portway Industrial Estate, Andover, Hampshire SP10 3QN Telephone: 01264 345870 Fax: 01264 345 880 www.wessexintl.com	



Wessex International Charlton House, Caxton Close, East Portway Industrial Estate, Andover Hampshire. SP10 3QN Telephone: 01264 345870 Fax 01264 345880 e-mail: sales@wessexintl.com

www.wessexintl.com



# WESSEX PROLINE RMX, CRX & FRX INSTALLATION RECORD

Upon installation of this machine, it is the Dealers responsibility to fill out the Installation Record below and return to Wessex International either by Fax to 01264 345880 or Email warranty@wessexintl.com.

IF THIS FORM IS NOT RETURNED, WE CANNOT ISSUE THE CUSTOMER THE APPLICATION FORM TO REGISTER FOR THE EXTENDED WARRANTY ON THEIR MACHINE.

END USER DETAILS	
NAME :	
ORGANISATION :	
ADDRESS :	
TELEPHONE :	MOBILE :
EMAIL :	
DEALER:	BRANCH :
	SERIAL NO:
INSTALLATION DATE :	
THE MACHINE DETAILED ABOVE HAS BEEN CORRECTLY INST	TALLED AND THE FOLLOWING POINTS HAVE BEEN
DISCUSSED WITH THE CUSTOMER :	
<ol> <li>Correct Machine Operation</li> <li>Operational Health &amp; Safety</li> </ol>	
3 Machine Setting and Adjustments	
<ol> <li>Maintenance</li> <li>Importance of tensioning belts after initial 2 - 3 hours</li> </ol>	
work and routinely thereafter	
Delivery Checklist	
Oil in gearboxes	
All PTO Shafts properly attached with Safety Chains attached All PTO Shafts greased	
All shields, guards and deflectors in place	
Check wheel nuts are tight	
All fixings tight	
Inspected by :	
IMPORTANT INFORMATION TO PREVENT DAM	MAGE - RELEVANT TO ALL TRAILED MACHINES
Ensure that the tractor link arms are removed or at least dr	
Avoid sharp turns where the rear wheel of the tractor cor too sharp can also cause damage to the PTO	
DEALER SIGNATURE :	NAME :
	DATE :
linon receipt of this form, we will forward the Exte	ended Warranty Application Form to the End User.
opon receipt of this form, we will forward the exte	
THANK YOU FOR FACILITATING THE SALE (	OF ANOTHER WESSEX PROLINE MACHINE!

WESSEX INTERNATIONAL

Charlton House, Caxton Close, East Portway Industrial Estate, Andover, Hampshire SP10 3QN T : 01264 345870 F : 01264 345880 E : sales@wessexintl.com