



24823-GB (rev.3)



Safety, Operation & Maintenance Manual

Jacobsen HR3300T

Series: FY

Product code: JHR33001



WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.



RJL 100September 2011

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2.1 IMPORTANT

IMPORTANT: This is a precision machine and the service obtained from it depends on the way it is operated and maintained.

This SAFETY AND OPERATORS MANUAL should be regarded as part of the machine. Suppliers of both new and second-hand machines are advised to retain documentary evidence that this manual was provided with the machine.

This machine is designed solely for use in customary grass cutting operations. Use in any other way is considered as contrary to the intended use. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer, also constitute essential elements of the intended use.

Before attempting to operate this machine, **ALL** operators **MUST** read through this manual and make themselves thoroughly conversant with Safety Instructions, controls, lubrication and maintenance.

Accident prevention regulations, all other generally recognized regulations on safety and occupational medicine, and all road traffic regulations shall be observed at all times.

Any arbitrary modifications carried out on this machine may relieve the manufacturer of liability for any resulting damage or injury.

It is important that during the life of the machine wearing and replaceable parts are disposed of in an environmentally responsible way using the resources available in the country where it is used. There are guidelines in this manual for the eventual decommissioning of the mower once it has no further use.

Use only Ransomes Jacobsen Genuine spare parts to ensure the control of EC compliance

2006/42/EC

These are the Original instructions verified by Ransomes Jacobsen Limited

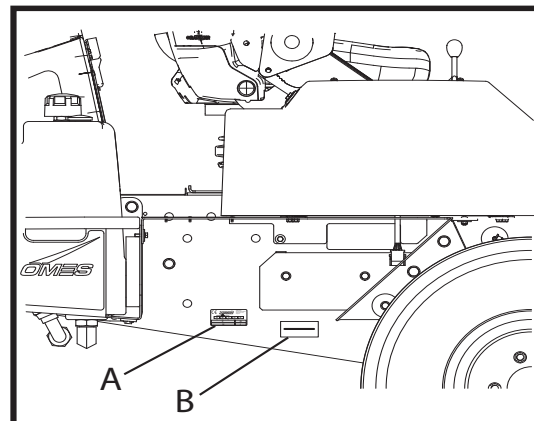
2.2 PRODUCT IDENTIFICATION

- A Maximum front axle load in Kg (for machines being driven on the highway)
- B Gross weight (mass) in Kg
- C Maximum rear axle load in Kg (for machines being driven on the highway)
- D Power in Kw
- E Date code
- F Machine type (Designation)
- G Product code
- H Product name
- J Serial number

		RANSOMES JACOBSEN A Textron Company		West Road Ransomes Europark Ipswich IP3 9TT England	
A	B	C	D	E	
Kg	Kg	Kg	Kw		
F				G	
H				J	

SERIAL PLATE LOCATION

The serial plate A is located on the chassis under the operators seating position.



2.3 GUIDELINES FOR THE DISPOSAL OF SCRAP PRODUCTS

2.3.1 DURING SERVICE LIFE

Used oil, oil filters and engine coolant are hazardous materials and should be handled in a safe and environmentally responsible way.

In the event of a fluid leak, contain the spill to prevent it entering the ground or drainage system. Local legislation will dictate how such spills are to be treated.

Following the maintenance procedures laid out in this manual will ensure that the impact the machine has on the local environment is controlled.

When it has been identified that a turf care product has no further functional value and requires disposal, the following actions should be taken.

2.3.2 END OF SERVICE LIFE

These guidelines should be used in conjunction with applicable Health, Safety and Environmental legislation and use of approved local facilities for waste disposal and recycling.

- Position the machine in a suitable location for any necessary lifting equipment to be used.
- Use appropriate tools and Personal Protective Equipment (PPE) and take guidance from the technical manuals applicable to the machine.
- Remove and store appropriately:
 1. Batteries
 2. Fuel residue
 3. Engine coolant
 4. Oils
- Disassemble the structure of the machine referring to the technical manuals where appropriate. Special attention should be made for dealing with 'stored energy' within pressurised elements of the machine or tensioned springs.
- Any items that still have a useful service life as second hand components or can be re-serviced should be separated and returned to the relevant centre.
- Other worn out items should be separated into material groups for recycling and disposal consistent with available facilities. More common separation types are as follows:
 - Steel
 - Non ferrous metals
 - Aluminium
 - Brass
 - Copper
 - Plastics
 - Identifiable
 - Recyclable
 - Non recyclable
 - Not identified
 - Rubber
 - Electrical & Electronic Components
- Items that cannot be separated economically into different material groups should be added to the 'General waste' area.
- Do not incinerate waste.

Finally update machinery records to indicate that the machine has been taken out of service and scrapped. Provide this serial number to Rammsomes Jacobsen Warranty department to close off relevant records.



This safety symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of injury, carefully read the message that follows, and inform other operators.

3.1 OPERATING INSTRUCTIONS

- Ensure that the instructions in this book are read and fully understood.
- No person should be allowed to operate this machine unless they are fully acquainted with all the controls and the safety procedures.
- Never allow children or people unfamiliar with these instructions to use this machine. Local regulations may restrict the age of the operator.

3.2 SAFETY SIGNS

- It is essential all safety labels are kept legible, if they are missing or illegible they must be replaced. If any part of the machine is replaced and it originally carried a safety label, a new label must be affixed to the replacement part. New safety labels are obtainable from Ransomes Jacobsen dealers.

3.3 STARTING THE ENGINE

- Before starting the engine check that the brakes are applied, drives are in neutral, guards are in position and intact, and bystanders are clear of the machine.
- Do not run the engine in a building without adequate ventilation.

3.4 DRIVING THE MACHINE

- Before moving the machine, check to ensure that all parts are in good working order, paying particular attention to brakes, tyres, steering and the security of cutting blades.
- Replace faulty silencers, mow only in daylight or good artificial light
- Always observe the Highway Code both on and off the roads. Keep alert and aware at all times. Watch out for traffic when crossing or near roadways.
- Stop the blades rotating before crossing surfaces other than grass.

- Remember that some people are deaf or blind and that children and animals can be unpredictable.
- Keep travelling speeds low enough for an emergency stop to be effective and safe at all times, in any conditions.
- Remove or avoid obstructions in the area to be cut, thus reducing the possibility of injury to yourself and/or bystanders.
- When reversing, take special care to ensure that the area behind is clear of obstructions and/or bystanders. DO NOT carry passengers.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- When the machine is to be parked, stored or left unattended, lower the cutter deck.
- While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- After striking a foreign object inspect the lawnmower for damage and make repairs before restarting and operating the equipment.
- If the machine starts to vibrate abnormally, check immediately.

3.5 TRANSPORTING

- Ensure that the cutting units are securely fastened in the transport position. Do not transport with cutting mechanism rotating.
- Drive the machine with due consideration of road and surface conditions, inclines and local undulations.
- Sudden decelerating or braking can cause the rear wheels to lift.
- Remember that the stability of the rear of the machine is reduced as the fuel is used.

3.6 LEAVING THE DRIVING POSITION

- Park the machine on level ground.
- Before leaving the driving position, stop the engine and make sure all moving parts are stationary. Apply brakes and disengage all drives. Remove the starter key.

3.7 SLOPES

TAKE EXTRA CARE WHEN WORKING ON SLOPES

- Local undulations and sinkage will change the general slope. Avoid ground conditions which can cause the machine to slide.
- Keep machine speeds low on slopes and during tight turns.
- Sudden decelerating or braking can cause the rear wheels to lift. Remember there is no such thing as a "safe" slope.
- Travel on grass slopes requires particular care.

IMPORTANT: When working on any slope select weight transfer, Adjust to provide adequate traction.

3.8 BLOCKED CUTTING UNITS

- Stop the engine and make sure all moving parts are stationary.
- Apply brakes and disengage all drives.
- Release blockages with care. Keep all parts of the body away from the cutting edge. Beware of energy in the drive which can cause rotation when the blockage is released.
- Keep other people away from the cutting units as rotation of one can cause the others to rotate.

3.9 ADJUSTMENTS, LUBRICATION, MAINTENANCE & CLEANING

- Stop the engine and make sure all moving parts are stationary.
- Apply brakes and disengage all drives.
- Read all the appropriate servicing instructions.
- Use only the replacement parts supplied by the original manufacturer.
- When adjusting the cutter blades take care not to get hands and feet trapped when rotating blades.
- Make sure that other people are not touching any cutting unit, as rotation of one blade can cause the others to rotate.
- To reduce the fire hazard, keep the engine, silencer and battery compartments free of grass, leaves or excessive grease.
- Replace worn or damaged parts for safety.
- When working underneath lifted parts or machines, make sure adequate support is provided.
- Do not dismantle the machine without releasing or restraining forces which can cause parts to

move suddenly.

- Do not alter engine speed above maximum quoted in Engine Specification. Do not change the engine governor settings or overspeed the engine. Operating the engine at excessive speed may increase the hazard of personal injury.
- When refuelling, STOP THE ENGINE, DO NOT SMOKE. Add fuel before starting the engine, never add fuel while the engine is running.
- Use a funnel when pouring fuel from a can into the tank.
- Do not fill the fuel tank beyond the bottom of the filler neck.
- Replace all fuel tank and container caps securely.
- Store fuel in containers specifically designed for this purpose.
- Refuel outdoors only and do not smoke while refuelling.
- If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapours have dissipated.
- Allow the engine to cool before storing in any enclosure.
- Never store the equipment with fuel in the tank inside a building where fumes may reach an open flame or spark.
- If the fuel tank has to be drained, this should be done outdoors.
- Do not spill fuel onto hot components.
- When servicing batteries, DO NOT SMOKE, and keep naked lights away.
- Do not place any metal objects across the terminals.
- When Pressure Washing the Mower. Turn the engine off and remove the starter key. If the engine has been running, it should be allowed to cool sufficiently to prevent damage to the block and exhaust manifold. Never force water into any electrical components, the air cleaner or exhaust muffler as water could enter the engine cylinder and cause damage.

DANGER:

Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

WARNING:

Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

CAUTION:

Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury and property damage. It may also be used to alert against unsafe practices.

IMPORTANT:

Transport speed is for highway use only. Never select transport speed on grass areas or uneven or unsurfaced roads or tracks.

**WARNING**

California Proposition 65
Engine Exhaust, some of its
constituents, and certain vehicle
components contain or emit chemicals
known to the state of California to cause
cancer and birth defects or other
reproductive harm.

**WARNING**

Ear Protection Should be Worn
When Operating Machines with
Operator Ear Noise Levels above
85dB(A)Leq.

**WARNING**

To prevent serious injury from hot, high pressure oil, never use your hands to check for oil leaks, use paper or cardboard.

Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin. If fluid is injected into the skin it must be surgically removed within a few hours by a doctor familiar with this form of injury or gangrene may result.

**WARNING**

When the machine is being used off road, whether cutting grass or not, the seat belt should only be worn when a ROPS frame is in place and deployed.

This rationale is based on the fact that a seat belt must be worn with a ROPS to comply with The Machinery Directive 98/37/EC sections 3.2.2, Seating & 3.4.3, Rollover.

Ransomes Jacobsen Limited recommends that a local risk assessment is completed by the owner/user of the machine to determine any exceptions to this seat belt wearing rule. e.g. use of the machine next to water or on the highway.

**WARNING**

Batteries produce explosive gases and contain corrosive acid and supply levels of electrical current high enough to cause burns.

**WARNING**

This machine must not be used for towing.

**CAUTION**

When carrying out any welding on the machine the battery and controller must be disconnected before starting. Under no circumstances should the controller be opened as this will invalidate all warranties and could result in a malfunction.

4.1 ENGINE SPECIFICATION

TYPE: Kubota 24.5KW @ 3000 RPM,
3 cylinder (in line) Diesel
engine, 4 stroke turbo
charged, water cooled, 1123cc
with 12V 1KW electric start,
12V 30Amp Alternator

Model: D1105-T-E3B-RNUK-3

Maximum Speed: 3150 ± 50 RPM (No load)

Idle Speed: 1650 ± 50 RPM

Oil Sump Capacity: 5.1 litres

Fuel: No. 2-D Diesel fuel (ASTM
D975)

4.2 MACHINE SPECIFICATION

Frame construction: Heavy duty formed steel
chassis with box section frame
rails.

Cutting unit drive: Fixed displacement hydraulic
motors.

Transmission: Four wheel drive on demand.
Direct coupled variable
displacement pump to direct
coupled 200cc/rev front,
160cc/rev rear wheel motor.

Speeds:

Cutting: 0 - 18 km/h Forward
0 - 12 km/h Reverse

Transport: 0 - 25 km/h Forward
0 - 05 km/h Reverse

Steering: Hydrostatic power steering,
with adjustable tilt steering
wheel.

Ground pressure: 1 kg/cm²

Brakes: Hydrostatic braking with
hydraulic parking brakes on
front wheels.

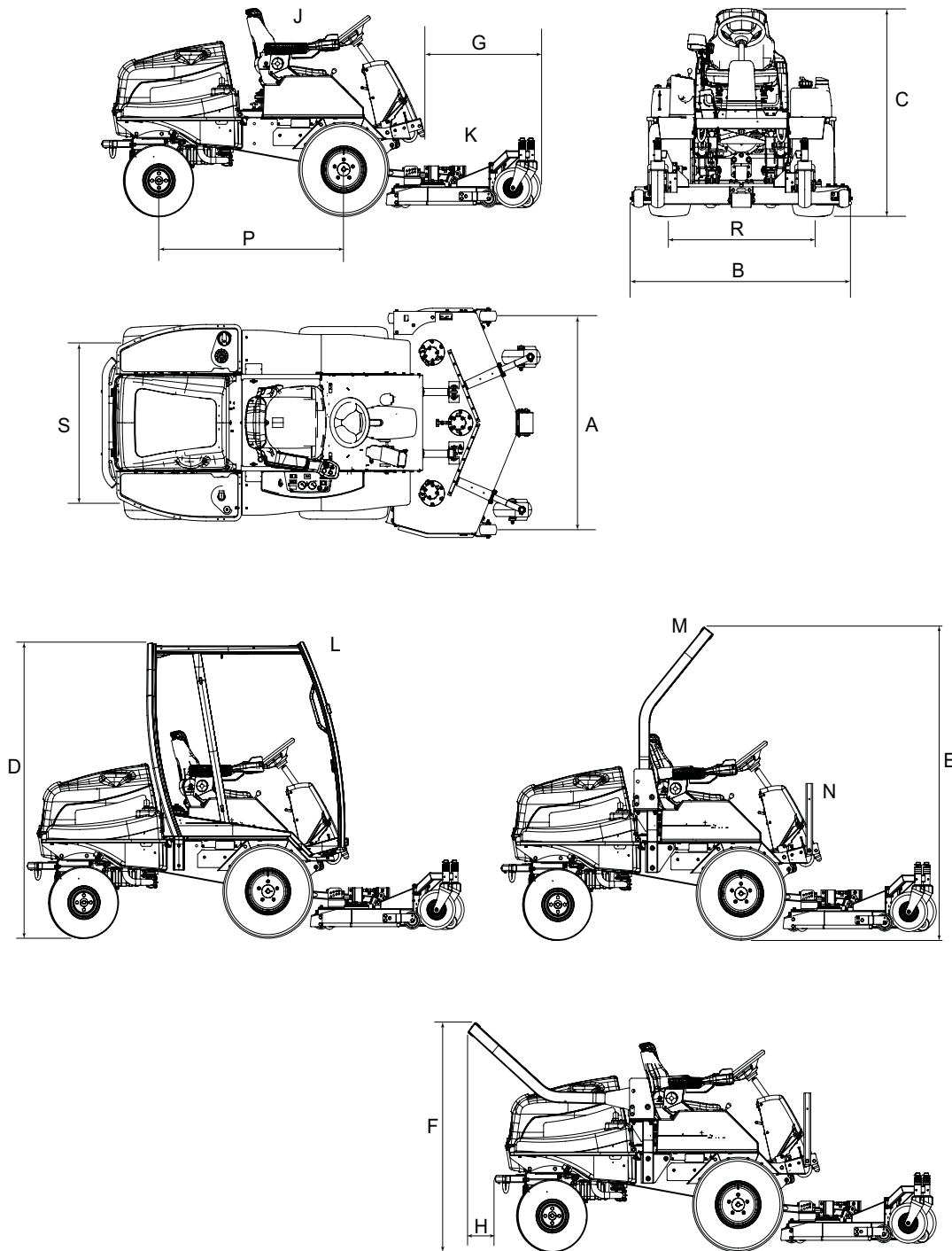
Fuel Tank Capacity: 51 litres

Hydraulic Tank Capacity: 42 litres

Battery: Exide 093 (SAE 500)

4.3 DIMENSIONS

A	Width of cut 152cm RD deck:	152.4 cm
A	Width of cut 152cm Envirodeck:	152.4 cm
A	Width of cut 160cm SD deck:	160 cm
A	Width of cut 183cm RD deck:	182.8 cm
B	Overall width 152cm RD deck:	161 cm
B	Overall width 152cm Envirodeck:	161 cm
B	Overall width 160cm SD deck:	195 cm
B	Overall width 183cm RD deck:	193 cm
C	Overall height (no ROPS):	134 cm
D	Overall height with ROPS cab:	205 cm
E	Overall height with ROPS frame up:	217 cm
F	Overall height with ROPS frame down:	162.5 cm
	Length with no attachments:	235.5 cm
G	Length with 152cm deck:	320 cm
G	Length with 160cm deck:	325 cm
G	Length with 183cm deck:	321.5 cm
H	Length with ROPS frame down, add:	16 cm
J	Weight of machine, hydraulic & fuel tanks full, no attachments	958kg
K	Weight of 152cm SD deck	164 kg
K	Weight of 152cm Envirodeck	168 kg
K	Weight of 160cm SD deck	187 kg
K	Weight of 183cm RD deck	173 kg
L	Weight of ROPS cab	250 kg
M	Weight of ROPS frame	80kg
N	Weight of hard point/ light frame	15 kg
P	Wheel Base	135 cm
R	Wheel Track Front	104.9 cm
S	Wheel Track Rear	108.9 cm
	Weight of storage pod	TBA kg
	Weight of storage rack	5 kg
	Width of flail	178 cm
	Weight of flail	174 kg
	Length with flail:	349 cm
	Width of rotary brush	165 cm
	Weight of rotary brush	170 kg
	Length with rotary brush:	330 cm
	Width of snow blade	153 cm
	Weight of snow blade	101 kg
	Length with snow blade:	315 cm
	Weight Kit for Mowing with Cab	70 kg
	Weight Kit for Brush with Cab	70 kg



TYRE PRESSURE						
Product	Front Wheel			Rear Wheel		
	Tyre Size	Tyre Type	Tyre Pressure	Tyre Size	Tyre Type	Tyre Pressure
HR3300T	26 x 12.00 - 12	BKT LG306 6pr	1.00 - 1.37 bar	20 x 1 0.00 - 8	BKT LG306 4pr	1.00 - 1.37 bar
	26 x 12.00 - 12	Trelleborg 539TL 8pr	1.00 - 1.37 bar	20 x 10.00 - 8	Trelleborg 539TL 6pr	1.00 - 1.37 bar
	26 x 12.00 - 12	Maxxis C165S 4pr Kevlar [®] by Dupont [™]	1.00 - 1.37 bar	20 x 10.00 - 8	Maxxis C165S 6pr Kevlar [®] by Dupont [™]	1.00 - 1.37 bar

4.4 HYDRAULIC SPECIFICATION

Description	Litres / Min	Relief Valve Pressure	Test Port Location
Transmission			
Forward	95	250bar	see section 8.6
Reverse	19	250bar	see section 8.6
Charge	-	18bar	
Cutting			
Forward	68	250bar	see section 8.6
Reverse	45	250bar	see section 8.6
Steering & Lift			
Steering	10	125bar	see section 8.6
Lift	10	125bar	see section 8.6
Weight Transfer	-	0 - 25bar	

4.5 VIBRATION LEVEL

When the machine was tested for hand/arm vibration levels, the operator was seated in the normal operating position with both hands on the steering mechanism. The engine was running and the cutting device was rotating with the machine stationary.

The Machinery Safety Directive 98/37/EC
By compliance to:
The Lawnmower Standard EN836:1997
Referenced to Hand/Arm: EN1033:1996

Information Supplied for Physical Agents Directive 2002/44/EC
By reference to:
Hand/Arm Standards: BS EN ISO 5349-1 (2001)
BS EN ISO 5349-2 (2001)

Ransomes HR3300T Series FR Jacobsen HR3300T Series FY Hand / Arm Acceleration Level	Max. LH or RH Accelerations m/s ²
	Mean Value of X, Y, Z Aeq
	0.94 ± 0.56

When the machine was tested for Whole Body vibration levels, the operator was seated in the

normal operating position with both hands on the steering mechanism. The cutting device was rotating with the machine driven in a straight line at 6 Km/hr on a level freshly cut lawn.

The Machinery Safety Directive 98/37/EC
By compliance to:
Whole Body EN1032:2003

Information Supplied for Physical Agents Directive 2002/44/EC
By reference to:
Whole Body Standards BS EN ISO 2631-1 (1997)

Ransomes HR3300T Series FR Jacobsen HR3300T Series FY Whole Body Acceleration Level	Max. Seat Accelerations m/s ²
	Mean Value of X, Y, Z Aeq
	1.20

Ransomes HR3300T Series FR Jacobsen HR3300T Series FY Whole Body Acceleration Level	Max. LH or RH Foot Accelerations m/s ²
	Mean Value of X, Y, Z Aeq
	1.77

4.6 SLOPES**DO NOT USE ON SLOPES GREATER THAN 14°**

The slope 14° was calculated using static stability measurements according to the requirements of EN 836:1997 and is correct for machines without ROPS frame or ROPS cab and fitted with a rotary cutting deck.

4.7 CUTTER DECK SPECIFICATION

	152cm Deck	160cm Deck	183cm Deck
Construction	Heavy duty welded pressed steel construction		
Blade Length	533mm	559mm	635mm
Number of Blades	3		
Blade Tip Speed	4463 m/min	4630 m/min	5318 m/min
Width of Cut	1524mm	1600mm	1828mm
Height of Cut	25mm - 115mm		
Height of Cut Adjustment Front	Castor wheels with spacers.		
Height of Cut Adjustment Rear	Multi-hole plates and pins.		
Anti Scalp Roll	Three antiscalp rollers on front of deck and four antiscalp rollers on rear of deck.		
Transmission	By individual hydraulic motor to each cutter blade.		

4.8 RECOMMENDED LUBRICANTS

Engine oil: Should be to MIL-L-2104C or to A.P.I. Classification CD grades. [10W-30]

TEMPERATURE	VISCOSITY
Above 25°C (77°F)	SAE30 or SAE10W-30 or SAE10W-40
0°C to 25°C (32°F to 77°F)	SAE20 or SAE10W-30 or SAE10W-40
Below 0°C (32°F)	SAE10W or SAE10W-30 or SAE10W-40

Hydraulic Oil: Shell Tellus 46 (ISO VG 46) or equivalent mineral oil or Greenscare 46 (ISO VG 46) Bio Degradable Oil or equivalent

Grease: Shell Darina R2, or equivalent.

4.9 CUTTING PERFORMANCE (AREA)

152 cm Deck

2.46 hectares/hr. at 18 km/hr.

160 cm Deck

2.58 hectares/hr. at 18 km/hr.

183 cm Deck

2.96 hectares/hr. at 18 km/hr.

10% allowance is included for normal overlaps and turning at the end of each cut.

4.10 CE CERTIFICATES

DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ • OVERENSSTEMMELSESERKLÆRING • CONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIOON • VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION DE CONFORMITE • KONFORMITÄTSEKRLÄRUNG • ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA • ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁŠENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMESE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING

Business name and full address of the manufacturer • Търговско име и пълен адрес на производителя • Obchodní jméno a plná adresa výrobce • Productentens firmanavn og fulde adresse • Bedrijfsnaam en volledige adres van de fabrikant • Toetja ärinimi ja täielik address • Valmistajan toimintimi ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmenname und vollständige Adresse des Herstellers • Εταιρεία και τοποθεσία έδρας κατασκευαστή • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Išem kummersčāli u indirizz shiħ tal-fabbrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækisheiti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Product Code • Код на продукта • Kód výrobku • Produktkode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Кодовый προϊόντος • Termékkód • Codice prodotto • Produkta kodas • Produkt kodas • Kodići tal-Prodott • Kod produktu • Código do Produto • Cod produs • Kód výrobku • Oznaka proizvoda • Código de producto • Produktkod • Vörunúmer • Produktkode	RHR33001 JHR33001
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenam • Masina nimi • Laiteen nimi • Nom de la machine • Maschinenbezeichnung • Ονομασία μηχανήματος • Gépnév • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Išem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Název stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Heiti tækis • Maskinnavn	Ransomes HR 3300T Jacobsen HR 3300T
Designation • Предназначение • Označení • Betegnelse • Benaming • Nimetus • Tyypimerkintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Označenje • Designação • Specificație • Označenie • Namen stroja • Descripción • Beteckning • Merking • Konstruktion	Ride on Rotary Mower
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Σειριακός αριθμός • Sorozatszám • Numero di serie • Sērijas numurs • Serijos numeris • Numru Serjali • Numer serijny • Número de Série • Număr de serie • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Račnúmer • Seriennummer	FR000301 • FR999999 FY000301 • FY999999
Engine • Двигател • Motor • Motor • Motor • Motor • Mootori • Moteur • Motor • Μηχανή • Modulnė • Motore • Dzinējs • Variklis • Sāhha Netta Installata • Silnik • Motor • Motor • Motor • Motor • Motor • Vél • Motor	Kubota D1105T-EU1
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puissance nominale nette • Installierte Nettoleistung • Καθαρή εγκατεστημένη ισχύς • Nettó beépített teljesítmény • Potenza netta installata • Paredzētā tīkla jauda • Grynaji galia • Wisa' tal-Qtugh • Moc zainstalowana netto • Potência instalada neta • Cistý inštalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettoafi vëlar • Netto installert kraft	24.5 kW @ 3000 RPM
Cutting Width • Широчина на рязане • Šírka řezu • Skarabreddde • Maalbreedte • Lõikelaius • Leikkuleveys • Largeur de coupe • Schnittbreite • Μήκος μονόζος • Vágási szélesség • Larghezza di taglio • Grietsānas platums • Pjovimo plotis • Tikkonforma mad-Direttivi • Szerokosc ciecia • Largura de Corte • Lājmēja de tāiere • Šírka záberu • Širina reza • Anchura de corte • Klippbredd • Skurbreidd • Klippebreddde	152 cm • 183cm
Conforms to Directives • В съответствие с директивите • Spilføje podmińky směrnice • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktiivien mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθεί τις Οδηγίες • Megfelel az irányelveknek • Conforme alle Direttive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivale • Je v súlade so smernicami • Skladnost z direktivami • Cumple con las Directivas • Uppfyller direktiv • Samræmist tilskipunum • i samsvar med direktiv	2006/42/EC 2004/108/EC 2000/14/EC Annex VI - Part 1
Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Conformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διαπίστωση Συμμόρφωσης • Megfelelőség-értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitiktības įvertinimas • Livell tal-Qawwa tal-Hoss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedömning av överensstämmelse • Samræmistat • Konformitetsvurdering	2006/42/EC Annex VIII
Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mõõdetud helivõimsuse tase • Mittattu äänitehotaso • Niveau de puissance sonore mesuré • Gemessener Schalldruckpegel • Στοιχισμένο επίπεδο ηχητικής ισχύος • Mért hangteljesítményszint • Livello di potenza sonora misurato • Izmērtais skaņas jaudas līmenis • Išmatuotas garso stiprumo lygis • Livell tal-Qawwa tal-Hoss Igarantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameranā hlāidna akustiského výkonu • Izmerjena raven zvčne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Mælt hjóðafsstig • Målt lydeffektivit	152 cm Rear Discharge Deck 100 dB(A) LWA 152 cm Enviro Deck 101 dB(A) LWA 160 cm Side Discharge Deck 103 dB(A) LWA 183 cm Rear Discharge Deck 100 dB(A) LWA Flail Deck 100 dB(A) LWA
Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteeritud helivõimsuse tase • Taattu äänitehotaso • Niveau de puissance sonore garanti • Garanterter Schalldruckpegel • Εγγυημένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Garantētais skaņas jaudas līmenis • Garantuotas garso stiprumo lygis • Livell tal-Qawwa tal-Hoss Igarantit • Moc akustyczna gwarantowana • Nivel sonoro farantido • Nivelul garantat al puterii acustice • Garantovaná hlāidna akustiského výkonu • Zajamčena raven zvčne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektivit • Hjóðafsstig sem ábyrgð er tekin á • Garanter lydeffektivit	105 dB(A) LWA
Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (múra) • Vaatimustenmukaisuuden arviointimenettely (Melu) • Procédure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitiktības įvertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Hoss) • Procedura oceny zgodności (poziom hałas) • Processo de avaliação de conformidade (nível sonoro) • Procedura de evaluare a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedömning av överensstämmelse (buller) • Samræmistatsaðferð (hávaði) • Prosedyre for konformitetsvurdering (støy)	2000/14/EC Annex VI Part 1
UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úřad certifikovaný podle směrnice č. 2000/14/EC • Det britiske bemyndigede organ for 2000/14/EF • Engels adviesorgaan voor 2000/14/EG • Ühendkuningriigi teavitatud asutus direktiivi 2000/14/EÜ mõistes • Direktiivin 2000/14/EY mukainen ilmoitettu tarkastuslaitos Iosssa-Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινοποιημένος Οργανισμός Ηνωμένου Βασιλείου για 2000/14/ΕΚ • 2000/14/ΕΚ – egyesült királyságbeli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK registrált organizáció • JK notifikutoosios istaigos 2000/14/EC • Korp Notifikat tar-Renju Unit għal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytanii wg 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanski prijavljeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkynntur aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsingham Sudbury, Suffolk CO10 0TH

Operator Ear Noise Level • Оператор на нивото на доповим от ухото шум • Hladina hluku v oblasti uši operátora • Stojníveu i ferers ørehøjde • Geluīdīsnīvea cor bestuūder • Mūrtaise operatorī kōvās • Melutaso kăytătăjăn korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επίπεδο θορύβου στ λειτουργία • A kezelő fülénél mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokšņa līmenis pie operatora auss • Dirbančiojo su mašina patiriamio triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałasu dla operatora • Nível sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobíaca na sluch operatora • Raven hrupa pri užesu upravljavca • Nivel sonoro en el oído del operador • Ljudnivá vid förärens öra • Hávaðastig fyrir stjórnanda • Støynivá ved operatørens øre	90 dB(A) Leq (2006/42/EC)
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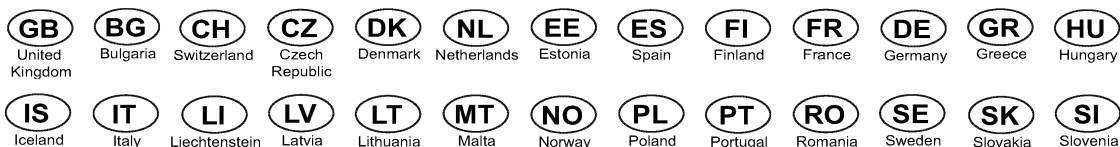
Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Εποµονοµηµένα πρότυπα που χρησιµοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskapote standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spójne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares amonizados utilizados • Harmoniserade standarder som används	BS EN 1032:2003+A1:2008 BS EN ISO 20643:2008 BS EN ISO 5349-1:2001 BS EN ISO 5349-2:2002 BS EN ISO 14982:1998 BS EN 50338:2006 BS EN ISO 12100-1:2003+A1:2009 BS EN ISO 61310-1:2008 Parts 1 to 3 BS EN 836:1997
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Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmat • Specifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιµοποιήθηκαν • Műszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehniske standarti un specifikaācijas • Panaudoti techniniai standartai ir techninė informacija • Standards un specifikaacijaiiet tehnici ūzati • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice şi specificaţiile utilizate • Použité technické normy a špecifikácie • Uporabljeni tehnični standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samræmðir staðlar sem notaðir eru • Benyttede harmoniseret standarder	ISO 21299 BS ISO 2631-1 AMD1
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The place and date of the declaration • Место и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklaracijos vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wystawienia deklaracji • Local e data da declaração • Locul şi data declarăţei • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • Plats och datum för declarationen • Tāknistaðlar og tákniýlisngar sem notaðar eru • Benyttede tekniske standarder og specifikationer • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
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Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е оторизиран да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærområdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreeris kantud isiku allkirj, kes on volitatud koostaja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimik. Sen henkilöön allekirjotus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu lastamaan tekniset asiakirjat ja joka on sijoittautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή ατόμου εξουσιοδοτηµένου για την σύνταξη της δήλωσης εκ µέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να τοῦνυµήσει τον τεχνικό φάκελο και ο οποίος είναι διορισµένος στην Κοινότητα. A gyártó nevelben meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őriz, engedélyvel rendelkezik a műszaki fáj (összeállításához, és aki a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso Della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kurai ir tehniskā dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris jį pasirašo, turi visą techninę informaciją ir yra įgaliojamas sudaryti techninės informacijos dokumentą. li-firma tal-persuna awtorizzata li fassal id-dikjarazzjoni li-fim il-fabrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompla l-faj tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnioną do stworzenia dokumentacji technicznej oraz wyznaczonej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declaraţia în numele producătorului, care deţine documentaţia tehnică, este autorizată să compileze dosarul tehnic şi este stabilită în Comunitate. Podpis osoby powołanej wstawenim vyhlásenia v mene výrobu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsabile de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigat att upprätta deklarationen i tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift aðilans sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tæknigögnin og hefur leyfi til að taka saman tækniskýrsluna, og er viðurkenndur innan evrópska efnahagssvæðisins. Signaturen til personen som har fullmakt til at uferdige erklæringen på vegne av produsenten, er i besittelse av den tekniske dokumentasjonen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.	 Tim Lansdell TEngineering Director 1st May 2011 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
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Certificate Number • Номер на сертификат • Číslo osvědčení • Certifikatnummer • Certificatnummer • Sertifikaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikaata numurs • Sertifikato numeris • Numru tač-Certifikat • Numer certifikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Númer skirteinis • Sertifikatnummer	4166200 (Rev.1)
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Business name and full address of the manufacturer - Търговско име и пълния адрес на производителите - Obchodní jméno a plná adresa výrobce - Producentens Firmavnem og fulde adresse - Bedrifsnaam i volged adress van de fabrikant - Toetja ärinimi ja täielik adresse - Valmistajan toimintia ja täydellinen osoite - Nono commercial e indirizzo completo del fabbricante - Firmennam und vollständige Adresse - Ses Hersteller - Etymuvija ka toqubuvotja (beuvotni kotokotuvotni) - A gyártó üzlet és teljes címe - Ragione sociale e indirizzo completo del fabbricante - Uzņēmuma nosaukums un pilna ražotāja adrese - Verslo pavadinimas ir pilnis gamintojo adresas - Islem kummersgjafi indurizsi tál ta-fabrikant - Nazwa firmy i pełny adres producenta - Nome da empresa e endereço completo do fabricante - Denimirea comercială și adresa completă a producătorului - Obchodný názov a plná adresa výrobcu - Naziv podjetja in polni naslov proizvajalca - Nombre de la empresa y dirección completa del fabricante - Tilværgesnamn och fullständig adress - Fyrirvitaskishi og full heimilisfangið af framleiðanda - Nazwa i adres w pełni podany przez producenta	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
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• Description and identification of the partly completed machinery. - Opis i identyfikacja na częściowo završenim mašinama. - Opis i identifikacija čestično dokonanih strojnoj zgradbi. - Beskrivke i identifikacija na delno dovršene mašine. - Beschrijving en identificatie van de gedeeltelijk voltooidde machines. - Ossaliet kompletteret mašina kjeretis ja mairit. - Ostaitn koinat laistest kucha ja mairit. - Description et identification de la quasi-machin. - Bezeichnung und Identifizierung der teilerfertigen Vorrichtung. - (Полупроизводная машина) - Разъяснение меглелит гел ливаса е меглаторзас. - Descrizione e identificazione della quasi-macchina. - Dajet pabegita eikdras apraksat un identifikacija. - Dalini uzbajtos jangos apralams i identifikacija. - Deskripcija i identifikacija tak-mašinurku i kua net pargalmet. - Opis i oznaczenie częściowo ukończonego urządzenia. - Descrição e identificação do equipamento parcial. - Descresia i identifikacija echipamentul finalizat parțial. - Opis i identifikacija podostazy strojnojo zaradnia. - Opis i identifikacija delno dokonana stroja. - Descrição e identificação de la maquinaria

Product Code	Serial Number	Description
LMAC286	FS000301 - FS999999	152cm Rear Discharge Deck
LMAC364	GA000317 - GA999999	152cm Enviro Deck
LMAC294	GA000301 - GA000316	152cm Enviro Deck
LMAC320	GB000301 - GB999999	160cm Side Discharge Deck
LMAC267	FX000301 - FX999999	183cm Rear Discharge Deck
956025		Flail Deck
4180181		Rotary Brush
4180182		Snow Blade

We undertake to transmit, in response to a reasoned request by the national authorities, relevant information on the partly completed machinery. This shall be by hardcopy and shall be without prejudice to the intellectual property rights of the manufacturer of the partly completed machinery.

Ние обещаваме да предадем, в отговор на основателно искане от националните органи, съответна информация за частично завършените машини. Това ще се осъществи чрез документ и няма да бъде в нарушение на правата за интелектуална собственост на производителя на частично завършените машини.

[illegible]

We zijn van plan, in reactie op een redelijk verzoek van de nationale autoriteiten, relevante informatie over de gedeeltelijk voltooide machinerie te verzenden. Dit wordt gedaan in de vorm van fysieke kopieën en deze kopieën zullen onder alle voorbehoud behoren tot de intellectuele eigendomsrechten van de fabrikant van de gedeeltelijk voltooide machinerie.

Me kohustume riigisüste asutuste pühendatud nõudmisel edastama asjakohast teavet osaliselt komplekteeritud masina kohta. Andmed edastatakse paberkanalil ning sellega ei tohi piirata osaliselt komplekteeritud masina tootja õigusi intellektuaalsele omandile.

Sitoudumme toimittamaan osittain koottua laitteistoa koskevat olennaiset tiedot vastineena kansallisten viranomaisten perusteltuun pyyntöön. Tiedot toimitetaan paperitilusteena. Ne eivät rajoita valmistajan osittain koottua laitteistoa koskevia immateriaalioikeuksia.

Nous nous engageons à fournir, en réponse à une demande rationnelle des autorités nationales, toute information appropriée concernant la quasi-machine. Ceci se fera par copie papier et sans préjuger des droits de propriété intellectuelle du fabricant de la quasi-machine.

Wir verpflichten uns, auf eine begründete Aufforderung durch die nationalen Behörden hin, relevante Informationen über die teilgefertigte Maschine zu übersenden. Diese werden als Ausdruck übersandt und dürfen sich nicht nachteilig auf die Rechte am geistigen Eigentum des Herstellers der teilgefertigten Maschine auswirken.

Αναλαμβάνουμε να μεταβιβάσουμε, προς απάντηση εύλογης αίτησης των εθνικών αρχών, τις σχετικές πληροφορίες όσον αφορά το ημιτελές μηχάνημα. Αυτό θα πρέπει να γίνει γραπτώς και δίχως να θίγει τα πνευματικά δικαιώματα του κατασκευαστή του ημιτελούς μηχανήματος.

Vállaljuk, hogy átadjuk – a nemzeti hatóságok megalapozott kérésére válaszul – a részlegesen megépített gépre vonatkozó információkat. Az információkat nyomtatott példányban adjuk át. A nyomtatott példány átadása a részlegesen megépített gép qvartóiának szellemi tulajdonjogaira tett kötelezettség nélkül történik.

Ci impegniamo a trasmettere, in risposta ad una richiesta adeguatamente motivata delle autorità nazionali, informazioni pertinenti sulla quasi-macchina. L'impegno sarà redatto in forma cartacea e

Atsaucoties uz pamatotu valsts iestāžu pieprasījumu, mēs apņemamies nodot saistīto informāciju par daļēji pabeigtu iekārtu. Tā būs cietā kopija un neradīs kaitējumus daļēji pabeigtās iekārtas ražotāja intelektuālā īpašuma tiesībām.

Atsakydami į nacionalinių valdžios organų užklausą, pateikiame informaciją apie dalinai užbaigtus mechanizmus. Šis dokumentas yra atspausdintas elektroninio originalo variantas ir be jokio išankstinio nusistatymo neturi tikslo pažeisti dalinai užbaigto mechanizmo samonto intelektualinės nuosavybės teisių.

Ahna nwieghdu li nipprezentaw, meta mitlubin mill-awtoritajiet nazzjonali, l-informazzjoni rilevanti dwar il-makkinarju li jkun lest parzjalment. Din l-informazzjoni għandha tkun f'forma stampata u minoħair prequduzzju qħad-drittijiet tal-proprjetà intellettwali tal-fabbrikant tal-makkinarju li jkun lest parzjalment.

Na uzasadnioną prośbę instytucji państwowych zobowiązujemy się do przekazania wszelkich informacji na temat częściowo ukończonego urzędzenia. Będą one przekazane na piśmie. Strona przekazująca w/w/wm dokumentację nie będzie rościć sobie żadnych praw do własności intelektualnej producenta częściowo ukończonego urzędzenia

Na sequência de pedido razoável por parte das autoridades nacionais, comprometemo-nos a transmitir informações importantes sobre o equipamento parcial. Tal será feito por meio de hardcopy e sem prejuízo para os direitos de propriedade intelectual do fabricante do equipamento parcial.

Ne angajăm să transmitem, ca răspuns la o solicitare motivată a autorităților naționale, informații relevante privind echipamentul finalizat parțial. Acestea se va efectua în format hârtie și fără a aduce atingere drepturilor de proprietate intelectuală ale producătorului echipamentului finalizat parțial.

Zaväzujeme sa, že na základe odôvodnenej požiadavky národných orgánov predložíme dôležité informácie o podzostave strojného zariadenia.

Zavezujemo se, da bomo na utemeljeno zahtevo nacionalnih organov predložili zadevne informacije o delno dokončanem stroju. Informacije bodo v tiskani obliki in ne bodo posegale v pravice

Nos comprometemos a transmitir, en respuesta a una petición razonada por parte de las autoridades nacionales, información relevante sobre la maquinaria parcialmente completada. Ésta será transmitida en copia impresa y no afectará a los derechos de propiedad intelectual del fabricante de la maquinaria parcialmente completada.

Vi åtar oss att vidarebefordra relevant information om maskindelarna vid en motiverad förfrågan från nationella myndigheter. Informationen ska erhållas i form av papperskopior och ska vara utan men för maskindelstillverkarens immateriella rättigheter.

Þor maskindælistilverkarens immatériella réttigheter.

Þerist okkur rökstudd beiðni frá landsýfirvöldum um að senda mikilvægar upplýsingar um hálfamsætta vélbúnaðinn, munum við verða við slíkrí beiðni. Beiðnin skal vera í prentitli og gilda með fyrirvara um hugverkarétt framleiðanda hálfamsætta vélbúnaðarinn.

Vi vil, på anmodning fra nasjonale myndigheter, formidle all relevant informasjon om det delvis ferdigstilte maskineriet. Informasjonen vil bli formidlet i papirutgave og skal være uten prejudis for åndsrettighetene til produsenten av det delvis ferdigstilte maskineriet.

av det delvis ferdigstilte maskineriet.

Partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of Directive 2006/42/EC. Частично завършените машини не трябва да бъдат пускани в употреба, докато крайните машини, в които са вградени, не са приведени в съответствие с постановленията на директива 2006/42/ЕО. Částečně dokončené zařízení nesmí být uvedeno do provozu, dokud konečné zařízení, do kterého bylo uvedené zařízení namontováno, neodpovídá ustanovením Směrnice č. 2006/42/EC. Delvist fremstillede maskiner må ikke indsættes i driften, før den endelige maskine, som den skal inkorporeres i, er blevet erklæret i overensstemmelse med bestemmelserne i Direktiv 2006/42/EF. Gedeeltelijk voltooido machinerie mag niet in dienst worden genomen, totdat er voor de definitieve machinerie, waarvan gedeeltelijk voltooido machinerie onderdeel uitmaakt, een conformiteitsverklaring is ontvangen onder de voorwaarden van Richtlijn 2006/42/EG. Osáislait komplekteeritud masinat ei tohi kasutusele võtta enne, kui lõplikult komplekteeritud masin, millega see ühendatakse, on tunnustatud direktiivi 2006/42/EÜ sätetele vastavaks. Osittain koottua laitteistoa ei saa ottaa käyttöön, ennen kuin lopullinen laiteisto, johon se asennetaan, on vakuutettu direktiivin 2006/42/EY säännösten mukaiseksi. La quasi-machine ne doit pas être mise en service avant que la machine finale dans laquelle elle doit être incorporée n'ait été déclarée conforme aux dispositions de la directive 2006/42/CE. Die teilgefertigte Vorrichtung darf erst in Betrieb genommen werden, wenn die Konformität der Maschine, in die sie eingebaut wird, entsprechend den Bestimmungen der Richtlinie 2006/42/EG erklärt worden ist. Ολο ή τμήτο να εκτελεστεί στέβης στο ημετέρας μηχανήματα μέχρι το τελικό μηχανήματα στο οποίο θα ενσωματωθεί να έχει τη δήλωση συμμόρφωσης, σύμφωνα με τις διατάξεις της Οδηγίας 2006/42/ΕΚ. A részlegesen megépített gépet tilos üzembe helyezni mindaddig, amíg a 2006/42/EK irányelv rendelkezéseivel összhangban a részlegesen megépített gépet be nem építik a végleges változatba, és erről nem nyilatkoznak. La quasi-macchina non deve essere messa in servizio finché la macchina finale in cui deve essere incorporata non è stata dichiarata conforme, nel caso, alle disposizioni della Direttiva 2006/42/CE. Daljši pabežigti iekārtu nedrīkst nodot ekspluatācijā, līdz galīgā iekārtā, kurā tā ir jāiebūvē, ir deklarēta atbilstoši direktīvas Nr. 2006/42/EK noteikumiem. Dalnin uzbūgto mehanizmo negalima paleisti kol kiti mehanizmai, kurie dar bus prijungti, nebus patvirtinti kaip atitinkantys 2006/42/EC Direktivos reikalavimus. Il-makinarju li jkun parjalment lest ma ghandux jbdja jithaddem sakem il-makinarju finali li fih ikun se jigi inkorporat ikun jge ddikjarat konformi mad-dispozzizzjonijet tad-Direttiva 2006/42/KE. Urządzenia częściowo ukończonego nie wolno użytkować aż do orzeczenia zgodności urządzenia w postaci kompletnej z О укомплектовании деталей не допускается до тех пор, пока не будет выдано заключение о соответствии устройства в окончательном виде. O equipamento parcial não poderá entrar em funcionamento antes do mecanismo final no qual vai ser incorporado ser declarado como estando em conformidade com as condições da Directiva 2006/42/CE. Echipamentul finalizat parțial nu trebuie pus în funcțiune până ce echipamentul final în care va fi încorporat nu este declarat ca fiind conform cu prevederile Directivei 2006/42/CE. Podzostawa strojného zariadenia nesmie byť uvedená do prevádzky, pokiaľ finálne strojné zariadenie, ktorého sa stane súčasťou, nebude vyhlásené ako zhodné s ustanoveniami smernice 2006/42/ES. Delno dokončanege stroja ni dovoljeno dati v obratovanje, dokler se dokončani stroj, v katerega se vgradi delno dokončani stroj, ne potrdi kot skladen z določbami Direktive 2006/42/ES. La maquinaria parcialmente completada no debe ponerse en servicio hasta que la maquinaria final a la que debe incorporarse cumpla con las provisiones de la Directiva 2006/42/CE. Maschinenelara fār ej las i bruk förrän maskinen som delen tillhör har deklarerats som överensstämmande med föreskrifterna i direktivet 2006/42/EG. Hálfsamsettan vélbúnað má ekki taka í notkun fyrr en vottað hefur verið að endanlegi vélbúnaðurinn sem setja á hann í samræmi ákvaðum tilskipunar 2006/42/EC. Delvis ferdigstilt maskineri skal ekki taka í bruk før det endelige maskineriet som dette skal integreres i, er erklært å være i overensstemmelse med bestemmelsene i direktiv 2006/42/EF.	These accessories have been designed to be fitted to the Ransomes HR 3300T RHR30001 Jacobsen HR 3300T JHR30001
The place and date of the declaration • Место и дата на декларацията • Miesto a datum prohlášení • Sted og dato for erklæringen • Plats og datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päiväys • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklarācijas vieta ir data • I-post u d-data tad-dikjarazzjoni • Miejsce i data wydania deklaracji • Local e data da declarație • Local și data declarărilor • Miesto a datum vyhlásenia • Slovenian • Lugar y fecha de la declaración • Plats och datum för deklarationen • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е оторизиран да изготви техническия файл и е регистриран в общността Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret på stedet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registrisse kantud isiku allkiri, kes on volitatud tootja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimik. Sen henkilö alkijotus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoitautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Underschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή ατόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διαμορφωμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őrizi, engedélyvel rendelkezik a műszaki fájel összeállításához és a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kura ir tehniskā dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmu, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris ją pasirašė, turi visą techninę informaciją ir yra įgaliojamas sudaryti techninės informacijos dokumentą. I-firma tal-persuna awtorizzata li fassal id-dikjarazzjoni f'isem il-fabbrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajli tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnioną do stworzenia dokumentacji technicznej oraz wyznaczonych ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnlătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavením vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsable de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av någon som bemyndigad att upprätta deklarationen å tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Undirskrift aðlans sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tæknigögn og hefur leyfi til að taka saman tækniskýrsluna, og er viðurekendur innan evrópska efnahagsvæðisins. Signaturen til personen som har fuldmagt til at udfærdige erklæringen på vegne af producenten, er i besiddelse af den tekniske dokumentationen, har autorisation til at udarbejde den tekniske filen og som har tilhold i EU.	Tm Lansdell Technical Director 4th January 2010 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Certificate Number • Номер на сертификата • Číslo osvědčení • Certifikatnummer • Certificatnummer • Serifikatid number • Hyväksyntänumero • Número de certificat • Bescheinigungsnnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Serifikata numurs • Serifikato numeris • Numru lač-Certifikat • Numer certyfikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Numer skitinis • Serifikatnummer	416201 (rev.1)
GB United Kingdom BG Bulgaria CH Switzerland CZ Czech Republic DK Denmark NL Netherlands EE Estonia ES Spain FI Finland FR France DE Germany GR Greece HU Hungary IS Iceland IT Italy LI Liechtenstein LV Latvia LT Lithuania MT Malta NO Norway PL Poland PT Portugal RO Romania SE Sweden SK Slovakia SI Slovenia	

**DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ •
OVERENSTEMMELSESERKLÆRING • CONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIOON •
VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION DE CONFORMITE • KONFORMITÄTSERKLÄRUNG • ΔΗΛΩΣΗ
ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA •
ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE
CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁŠENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE
CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMELSE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING**

Business name and full address of the manufacturer • Търговско име и пълен адрес на производителя • Obchodní jméno a plná adresa výrobce • Producentens firmanavn og fulde adresse • Bedrijfsnaam en volledig adres van de fabrikant • Toetja árinimi ja täielik aadress • Valmistajan toimintini ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmenname und vollständige Adresse des Herstellers • Εταιρεία και τοποθεσία της επιχείρησης • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Isem kummerðjali u indirizz shih tal-fabrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækisheiti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Product Code • Код на продукта • Kód výrobku • Produktcode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Кодικός προϊόντος • Termékkód • Codice prodotto • Produkta kods • Produktu kóds • Kodíci tal-Prodott • Código do Produto • Cod produs • Kód výrobku • Oznaka proizvoda • Código de producto • • Produktkodd • Voturnúmer • Produktkode	LMAC258
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenaaam • Masina nimi • Laitteen nimi • Nom de la machine • Maschinenbezeichnung • Όνομαση μηχανήματος • Gépnév • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Isem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Název stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Heiti tækis • Maskinnavn	Ransomes HR 3300T Cab Kit Jacobsen HR 3300T Cab Kit
Designation • Предназначение • Oznaceni • Betegnelse • Benaming • Nimetus • Tyypimerkintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Oznaczenie • Designação • Specificație • Označenie • Namen stroja • Descripción • Betekening • Merking • Konstruksjon	Mauser ROPS cab and Fitting Kit
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Σειριακός αριθμός • Sorozatszám • Numero di serie • Serijs numeris • Numru Serjali • Numer serijny • Número de Série • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Račnúmer • Seriennummer	Not Applicable
Engine • Двигател • Motor • Motor • Motor • Motor • Mootor • Moottori • Moteur • Motor • Μηχανή • Modulėnė • Motore • Dzinėjs • Variklis • Sahha Netta Installata • Silnik • Motor • Motor • • Motor • Motor • Motor • Motor • Vél • Motor	Not Applicable
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puissance nominale nette • Installierte Nettoleistung • Kθαρή εγκατεστημένη ισχύς • Netto beépített teljesítmény • Potenza netta installata • Paredzētā tīkla jauda • Grynoi galia • Wisar tal-Qutgh • Moc zainstalowana netto • Potencia instalada • Puterea instalată netă • Čistý inštalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettöäff välar • Netto installer kraft	Not Applicable
Cutting Width • Широчина на рязане • Šírka rezu • Skærebredde • Maalbreedte • Lökelaius • Leikkuleveys • Largeur de coupe • Schnittbreite • Μήκος μανέζας • Vágási szélesség • Larghezza di taglio • Grisaņas platums • Pjovimo plotis • Tikkonforma mad-Direttivi • Szerokość ciecia • Largura de Corte • Lățimea de tăiere • Šírka záberu • Širina reza • Anchura de corte • Klippbreddi • Skurðbreidd • Klippebredd	Not Applicable
Conforms to Directives • В съответствие с директивите • Splnūje podminky smčnic • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktiivien mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθεί με απόλυτη Οδηγίες • Conforms alle Directive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivele • Je v súlade so smernicami • Skladnost z direktivami • Cumple con las Directivas • Uppfyller direktiv • Samræmist tilskipunum • I samsvar med direktiv	2006/42/EC 80/720/EEC
Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Conformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διερεύνηση Συμμόρφωσης • Megfelelőség-értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitikties ivertinimas • Livell tal-Qawwa tal-Floss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedømming av overensstämelse • Samræmistat • Konformitetsvurdering	2006/42/EC Annex VIII
Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mõdetud helivõimsuse tase • Mitattu äänitehoaste • Niveau de puissance sonore mesuré • Gemessener Schalldruckpegel • Σηθισμειντο επιμειδο ηχητικής ισχύος • Mērt hangteljesítményszint • Livello di potenza sonora misurato • Izmērtais skaņas jaudas līmenis • Izmērotais garso stiprumo līgis • Livell tal-Qawwa tal-Floss Iggarrantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameranā hlāidna akustiského výkonu • Izmerjena raven zvčne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Mält ljudäffsstig • Mält lydeffektivit	1Not Applicable
Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteeritud helivõimsuse tase • Tähttu äänitehoaste • Niveau de puissance sonore garanti • Garanterter Schalldruckpegel • Εγγυημεινο επιμειδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Garantātais skaņas jaudas līmenis • Garantuotais garso stiprumo līgis • Livell tal-Qawwa tal-Floss Iggarrantit • Moc akustyczna gwarantowana • Nivel sonoro farrantido • Nivelul garantat al puterii acustice • Garantovaná hlāidna akustického výkonu • Zajamčena raven zvčne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektsnivå • Hjóðafallsstig sem ábyrgð er tekin á • Garanter lydeffektivit	Not Applicable
Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (mürä) • Vaatimustenmukaisuuden arviointimenetelmä (melu) • Procedure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitikties ivertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Floss) • Procedura oeny zgodności (poziom hałas) • Processo de avaliação de conformidade (nivel sonoro) • Procedura de evaluare a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedømming av overensstämelse (buller) • • Samræmistatsaðferð (hávaði) • Prosedyre for konformitetsvurdering (støy)	Not Applicable
UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úrad certifikovaný podle smčnice č. 2000/14/EC • Det britiske benyttede organ for 2000/14/EG • Engelsk adviesorgan voor 2000/14/EG • Ühendriigi tingitud teavitatud asutus direktiivi 2000/14/EÜ mäsies • Direktiivni 2000/14/EY mukainen ilmoitettu tarkastuslaitos Isoissa Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινοτημεινός Οργανισμός Ηνωμεινου Βασιλείου για 2000/14/ΕΚ • 2000/14/ΕΚ – egyesült királysigbéli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK regisztrált organizáció • JK notifikuotais ištsgais 2000/14/EC • Korp Notifikat tar-Renju Unit ghal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytani w 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanskí priqlaeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkynnt aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsdingfield Sudbury, Suffolk CO10 0TH

Operator Ear Noise Level • Оператор на нивото на доловим от ухото шум • Hladina hluku v oblasti uší operátora • Støjniveau i førers øreøjde • Geluidsniveau voor bestuurder • Műratase operátori kórvas • Melutaso käyttäjän korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επίπεδο θορύβου σε λειτουργία • A kezelő felénél mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokska limenies pie operatora auss • Dirbančiojo su mašina patiriamio triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałas u operatora • Nível sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobiac na sluch operátora • Raven hrupa pri užesu upravljavca • Nível sonoro en el oído del operador • Ljudnivá vid förarens öra • Hávaðastig fyrir stjórnanda • Støynivá ved operatørens øre	89 dB(A) Leq (2006/42/EC)
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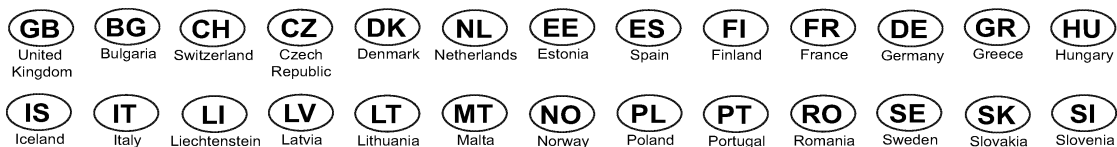
Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standaards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Εσσωμοιοποιημένα πρότυπα που χρησιμοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskapote standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spójne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares armonizados utilizados • Harmoniserade standarder som används	EN 836:1987
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Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standaards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmät • Specifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιμοποιήθηκαν • Műszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehnikas standarti un specifikācijas • Panaudoti techniniai standartai ir techninė informacija • Standards u specifikacijonijet tehnici užati • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice și specificațiile utilizate • Použité technické normy a specifikácie • Uporabljeni tehnični standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samræmde staðlar sem notaðir eru • Benyttede harmoniserede standarder	OECD Code 7 STVZO ISO 4252 ECE Regulation 43 DIN 1249 FMVSS 302 DIN 75200
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The place and date of the declaration • Место и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δηλώσεως • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklaracijos vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejscę i datę wystawienia deklaracji • Local e data da declaração • Locul și data declarației • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • • Plats och datum för deklarationen • Teknistaðlar og tæknifýsingar sem notaðir eru • Benyttede tekniske standarder og spesifikasjoner • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
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Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е упълномощен да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držel technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærområdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreeris kantut isikaliikri, kelle välitatakse looja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehnilise teinik. Sen henkilöön allekirjotus, jolla on valmistajan valtuutus vakuutuksen laatimista, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoittautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή στόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να τοπονομήσει τον τεχνικό φάκελο και ο οποίος είναι διαμορφωμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őriz, engedéllyel rendelkezik a műszaki fáj összeállításához, és aki a közösségen letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso Della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tas personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kura ir tehniska dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris jį pasirašė, turi visą techninę informaciją ir yra įgaliojamas sudaryti techninės informacijos dokumentą. Il-firma tal-persuna awtorizzata li ffassal id-dikjarazzjoni f'isem il-fabbrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajj tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnionej do sporządzenia dokumentacji technicznej oraz wyznaczonyj ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavenim vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavi spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsabile de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigad att upprätta deklarationen i tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift aðilans sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tæknigögnin og hefur leyfi til að taka saman tækniskýrsluna, og er víðurkenndur innan evrópska efnahagssvæðisins. Signatøren til personen som har fullmakt til at udfærdige erklæringen på vegne af producenten, er i besiddelse af den tekniske dokumentationen, har autorisation til at udarbejde den tekniske filen og som har tilhold i EU.	 Tim Lansdell Engineering Director 1st May 2011 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
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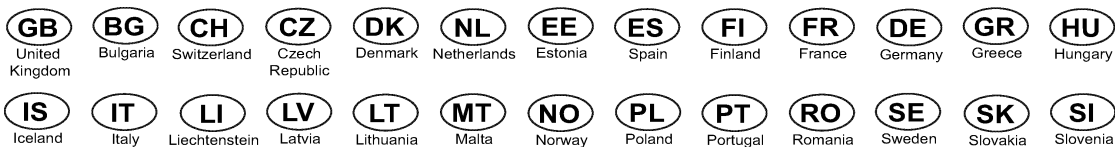
Certificate Number • Номер на сертификат • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifikkaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Número del certificado • Sertifikáta numurs • Sertifikato numeris • Numru tad-Certifikat • Numer certifikatu • Número do Certificado • Număr certificat • Číslo osvědčení • Številka certifikata • Número de certificado • Certifikatsnummer • Numer skriteinis • Sertifikatnummer	4166300 (Rev.1)
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**DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ •
OVERENSSTEMMELSESERKLÆRING • CONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIOON •
VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION OF CONFORMITE • KONFORMITÄTSEKHLÄRUNG • ΔΗΛΩΣΗ
ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA •
ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE
CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁŠENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE
CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMELSE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING**

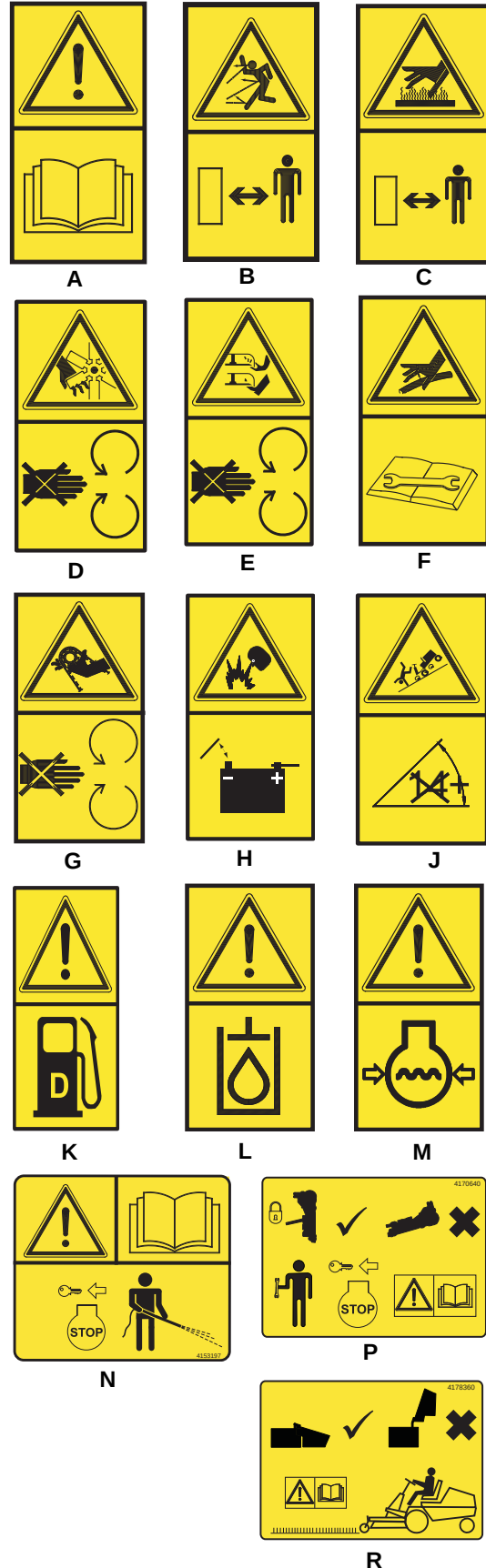
Business name and full address of the manufacturer • Το προσώπο και η πλήρης διεύθυνση του παραγωγέα • Obchodní jméno a plná adresa výrobce • Producentens firmanavn og fulde adresse • Bedrijfsnaam en volledige adres van de fabrikant • Tootja ärinimi ja täielik aadress • Valmistajan toimintimi ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmenname und vollständige Adresse des Herstellers • Εταιρεία και το γραφείο της διεύθυνσης κατασκευαστή • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Isem kummersjäl u indirizz shih tal-fabbrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækisheiti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Product Code • Код на продукта • Kód výrobku • Produktkode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Кодовый продукт • Termékkód • Codice prodotto • Produkta kods • Produktu kodas • Kodići tal-Prodott • Kod produktu • Código do Produto • Cod produs • Kód výrobku • Označka proizvoda • Código de producto • Produktkod • Vārūnmer • Produktkode	LMAC259
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenam • Masina nimi • Laiteen nimi • Nom de la machine • Maschinenbezeichnung • Όνομασία μηχανήματος • Gépnev • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Isem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Názov stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Heiti tækis • Maskinnavn	Ransomes HR 3300T ROPS Frame Jacobsen HR 3300T ROPS Frame
Designation • Предназначение • Označení • Betegnelse • Benaming • Nimetus • Tyypimerkintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Oznaczenie • Designação • Specificație • Označenie • Namen stroja • Descripción • Beteckning • Merking • Konstruksjon	ROPS Frame
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Συριακός αριθμός • Sorozatszám • Numero di serie • Sērijas numurs • Serijos numeris • Numru Serjali • Numer serijny • Número de Série • Număr de serie • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Raðnúmer • Seriennummer	Not Applicable
Engine • Двигател • Motor • Motor • Motor • Mootor • Mootori • Moteur • Motor • Μηχανή • Modulín • Motore • Dzinējs • Vairikis • Sahha Netta installata • Siirnik • Motor • Motor • Motor • Motor • Motor • Vei • Motor	Not Applicable
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puisseance nominale nette • Installierte Nettoleistung • Košarų cukatosių neto jėgų • Netto beépirtt teljesítmény • Potenza netta installata • Paredžētā tīkla jauda • Grynoj galia • Wisa' tal-Qutgh • Moc zainstalowana netto • Potência instalada • Puterea instalată netă • Čistý inštalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettóafél vèlar • Netto installert kraft	Not Applicable
Cutting Width • Широчина на разане • Šírka fezu • Skærebredde • Maalbreedte • Lökelaius • Leikkuleveys • Largeur de coupe • Schnittbreite • Μήκος μιστόζος • Vágási szélesség • Larghezza di taglio • Grisešanas platums • Pjovimo plotis • Tikkonforma mad-Direttivi • Szerokosc ciecia • Largura de Corte • Lățimea de tăiere • Šírka záberu • Širina reza • Anchura de corte • Klippbreda • Skurðbreidd • Kippebredde	Not Applicable
Conforms to Directives • В съответствие с директивите • Spiluje podmínky směrníc • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktiivien mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθείται πιστά τις Οδηγίες • Conforma alle Directive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivele • Je v súlade so smernicami • Skladnost z direktivami • Cumple con las Directivas • Uppfyller direktiv • Samræmist tilskipnum • I samsvar med direktiv	2006/42/EC
Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Conformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διερεύνηση Συμμόρφωσης • Megfelelőség értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitikties įvertinimas • Livell tal-Qawwa tal-Foss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedömning av överensstämmelse • Samræmismat • Konformitetsvurdering	2006/42/EC Annex VIII
Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mödödetul heilvõimsuse tase • Mittattu äänitehasto • Niveau de puissance sonore garanti • Gemessener Schalldruckpegel • Στοιχισμένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Izvērtētais skaņas jaudas līmenis • Išmatuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameranā hlada akustiského výkonu • Izmerjena raven zvočne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Målt hljóðafstígstig • Målt lydeffektivité	1Not Applicable
Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteertul heilvõimsuse tase • Taattu äänitehasto • Niveau de puissance sonore garanti • Garanterter Schalldruckpegel • Εγγυημένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Izvērtētais skaņas jaudas līmenis • Garantuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna gwarantowana • Nivel sonoro garantido • Nivelul garantat al puterii acustice • Garantovaná hlada akustického výkonu • Zajamčena raven zvočne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektsnivå • Hljóðafstígstig sem ábyrgð er tekin á • Garanter lydeffektivité	Not Applicable
Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (müra) • Vaatimustenmukaisuuden arviointimenettely (Melu) • Procédure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitikties įvertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Foss) • Procedura oceny zgodności (poziom hałas) • Processo de avaliação de conformidade (nivel sonoro) Procedura de evaluare a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedömning av överensstämmelse (buller) • Samræmismatsaðferð (hláði) • Prosedyre for konformitetsvurdering (støy)	Not Applicable
UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úřad certifikovaný podle směrnice č. 2000/14/EC • Det britiske bemyndigede organ for 2001/14/EF • Engels adviesorgaan voor 2000/14/EG • Ühendkuningriigi teavitatud asutus direktiivi 2000/14/EÜ mõistes • Direktiivin 2000/14/EY mukainen ilmoitettu tarkastuslaitos Isonsa-Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινωτονιευος Οργανισμος Ηνωμενων Βασιλειων για 2000/14/ΕΚ • 2000/14/ΕΚ – egyesült királyságbeli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK registrētā organizācija • JK notifikācijas iestādes 2000/14/EC • Korp Notifikat tar-Renju Unit ghal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytanii wg 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanski prijavljeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkynntur aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsingham Sudbury, Suffolk CO10 0TH

Operator Ear Noise Level • Оператор на нивото на доловим от ухото шум • Hladina hluku v oblasti uší operátora • Støjniveau i førers ørehøjde • Geluidsniveau oor bestuurder • Műratase operatiori kórvas • Melutasa káytáján korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επiτρέβο θορύβου στ Ακουστικό • A kezelő fülelén mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokšņa līmenis pie operatora auss • Dirbančiojo su mašina patiriamio triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałasu dla operatora • Nivel sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobíaca na sluch operátora • Raven hrupa pri ušesu upravljalca • Nivel sonoro en el oído del operador • Ljudniavä vid förarens öra • Hávabastig fyrir stjórnanda • Støynivå ved operatørens øre	Not Applicable
Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standaards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Εσσωποιογμένα πρότυπα που χρησιμοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskāgotie standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spojne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares armonizados utilizados • Harmoniserade standarder som används	EN 836:1987
Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standaards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmät • Spécifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιμοποιήθηκαν • Műszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehniskie standarti un specifikācijas • Panaudoti techniniai standartai ir techninė informacija • Standarts u specifikacijaijet tehnici užti • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice și specificajile utilizate • Použité technické normy a specifikácie • Uporabljeni tehnični standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samrømdir stablar sem notaðir eru • Benyttede harmoniserede standarder	OECD Code 4 STVZO
The place and date of the declaration • Място и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte helye és ideje • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklarācijas vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wystawienia deklaracji • Local e data da declaração • Locul și data declarajiei • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • Plats och datum för deklarationen • Tæknistablar og tæknilyfingar sem notaðar eru • Benyttede tekniske standarder og specifikasjoner • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 19th March 2009
Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържащ техническата документация и е оторизиран да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærområdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreisse kantud isiku allkiri, kes on volitatud tööta nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimik. Sen henkilöön allekirjoitus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoitautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή σπουδου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διαρισμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őrzi, engedéllyel rendelkezik a műszaki fájll összeállításához, és aki a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso Della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kurai ir tehniskā dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris į ją pasirašė, turi visą techninę informaciją ir yra įgaliotas sudaryti techninės informacijos dokumentą, ili-firma tai-persuna autorizata li fassal id-dikjarazzjoni f'isem il-fabrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajl tekniku u li hija stabilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnionej do stworzenia dokumentacji technicznej oraz wyznaczonej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavenim vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osobe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsabile de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigad att upprätta deklarationen å tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift åbårens sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tekniskignin og hefur leyfi til að taka saman tekniskignina, og er vörubærndur innan evrópska efnahagssvæðisins. Signatøren til personen som har fuldmagt til å utfærdige erklæringen på vegne av produsenten, er i besittelse av den tekniske dokumentasjonen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.	 Tim Lansdell Technical Director 19th March 2009 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Certificate Number • Номер на сертификат • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifikaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikata numurs • Sertifikato numeris • Numru tač-Certifikat • Numer certyfikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Numer skirteinis • Sertifikatnummer	4166301 (Rev.1)



5.1 SAFETY DECALS EC

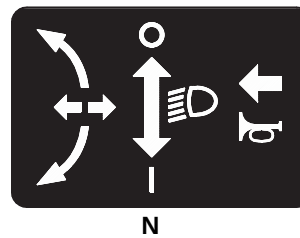
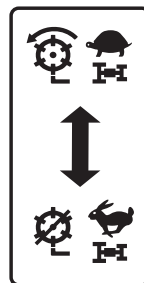
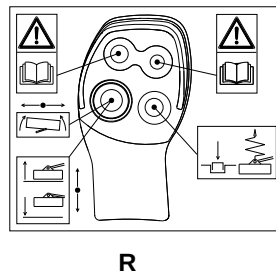
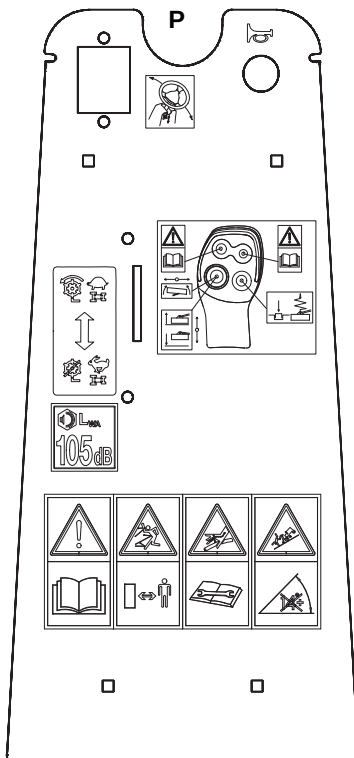
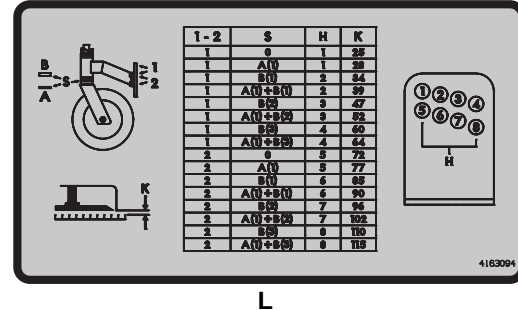
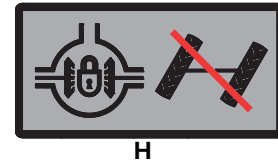
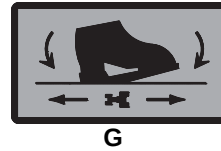
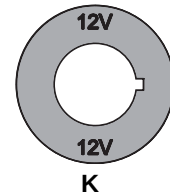
- A. 009034910 Read Operator's Manual.
- B. 009034890 Keep a Safe Distance from the Machine.
- C. 009034920 Stay Clear of Hot Surfaces.
- D. 009034880 Do Not Open or Remove Safety Shields While the Engine is Running.
- E. 009034960 Caution Rotating Blades.
- F. 009034930 Avoid Fluid Escaping Under Pressure. Consult Technical Manual for Service Procedures.
- G. 009034900 Do Not Remove Safety Shields While Engine is Running.
- H. 009114100 Danger of Explosion if the Battery Terminals are Short Circuited.
- J. 009114150 Maximum permissible working slope. (See Accessories section for correct limit with various accessories).
- K. 009114340 Caution Diesel Fuel
- L. 4164860 Caution Hydraulic Oil
- M. 4118415 Caution Engine Coolant under Pressure
- N. 4153197 Caution, Stop Engine & Remove the Starter Key Before Pressure Washing
- P. 4170640 Caution, Stop Engine & Remove the Starter Key, Lock Deck in its Vertical Position Before Carrying Out Maintenance Under Deck.
- R. 4178360 Do not Operate the Machine when Fitted with a Side Discharge Deck with the Discharge Chute Raised.

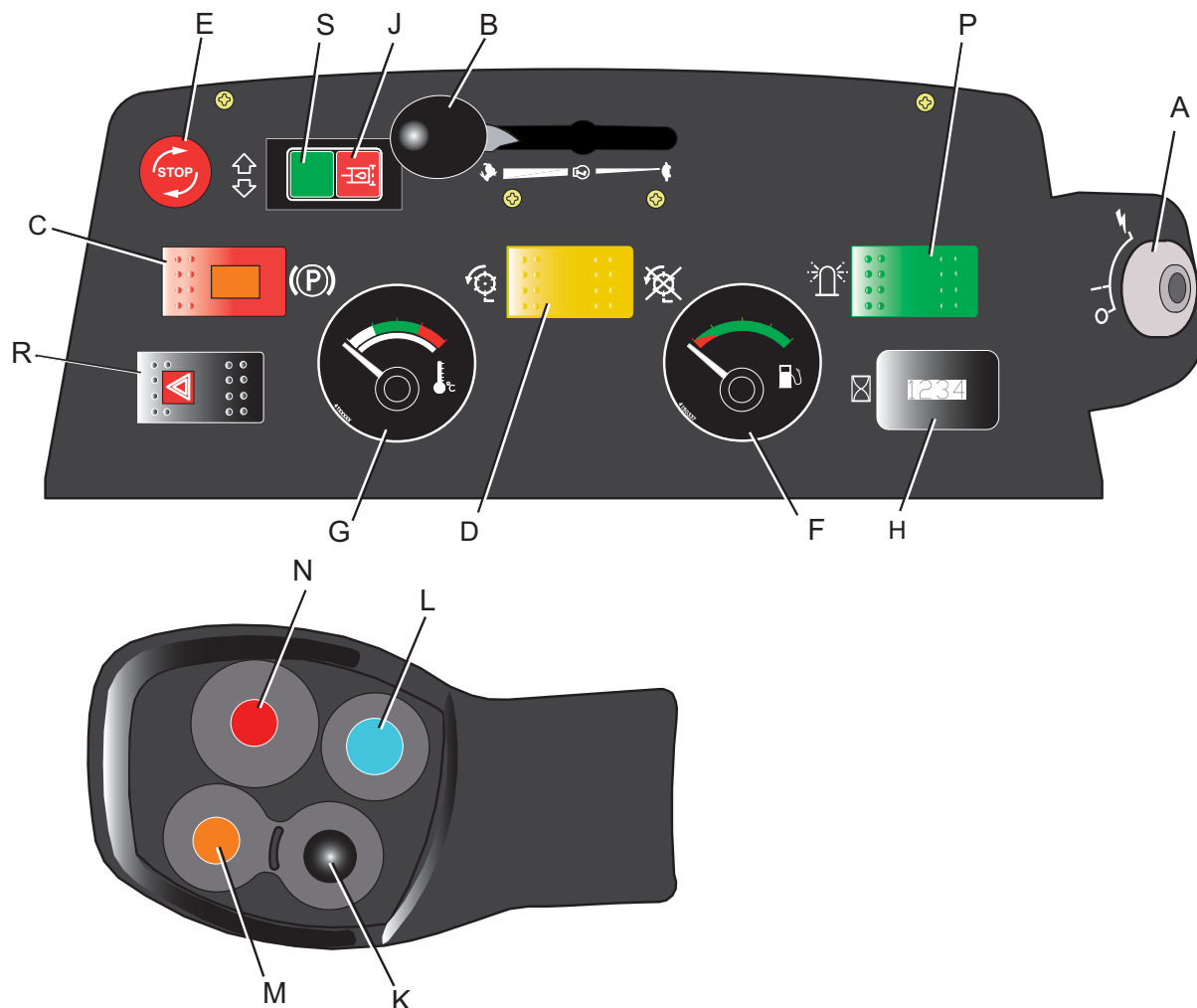


5.2 INSTRUCTION DECALS EC

Description

- A. Maximum Sound Power Level
- B. Parking Brake
- C. Hourmeter
- D. Beacon
- E. Cutting Unit Drive
- F. Throttle
- G. Traction Pedal, Forward / Reverse
- H. Diff lock Switch
- J. Mow / Transport lever
- K. Power socket 12 volt
- L. Height of Cut Chart
- M. Lubrication Point Read Manual
- N. Light Stalk function (Horn, Lights On / Off, Indicator Left / Right)
- P. Steering Tower (Screen Printed)
- R. Pod function
- S. Horn
- T. Steering Wheel Tilt





6.1 INSTRUMENT PANEL (AFTER SERIAL NO. FR000322 & FY000312)

A: Starter Key Switch

B: Throttle Control Lever

C: Parking Brake Switch

D: Cutter Switch

E: Emergency Stop Switch (Optional)

F: Fuel Gauge

G: Engine Coolant Temperature Gauge

H: Hourmeter

J: Blocked Hydraulic Filter Warning Lamp

K: Joystick - Unit Lift/Lower Control

L: Weight Transfer Switch

M: Cutters Running Indicator Lamp

N: Fault Indicator Lamp

P: Beacon Switch (Optional)

R: Hazard Warning Switch (Optional)

S: Indicator Warning Lamp



6.1.1 INSTRUMENT PANEL (BEFORE SERIAL NO. FR000323 & FY000313)

A: Starter Key Switch

B: Throttle Control Lever

C: Parking Brake Switch

D: Cutter Switch

E: Emergency Stop Switch

F: Fuel Gauge

G: Engine Coolant Temperature Gauge

H: Hourmeter

J: Blocked Hydraulic Filter Warning Lamp

K: Joystick - Unit Lift/Lower Control

L: Weight Transfer Switch

M: Cutters Running Indicator Lamp

N: Fault Indicator Lamp

P: Beacon Switch (Optional)

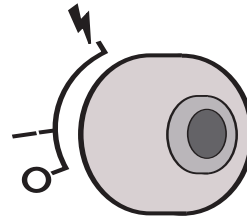
R: Hazard Warning Switch (Optional)

S: Indicator Warning Lamp

6.1A STARTER KEY SWITCH

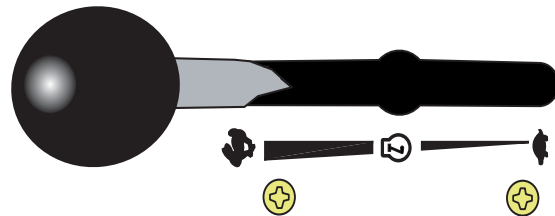
The starter key (A) should be turned clockwise to the 'start' position to start the engine. After starting, the key should be released and allowed to return automatically to the 'on' position for normal running.

NOTE: The glow plugs will auto pre-heat depending on the coolant temperature before cranking begins.

**6.1B THROTTLE CONTROL LEVER**

The lever should be moved away from the operator to increase the engine speed and towards the operator to decrease the engine speed.

NOTE: Engine should be used at full speed.

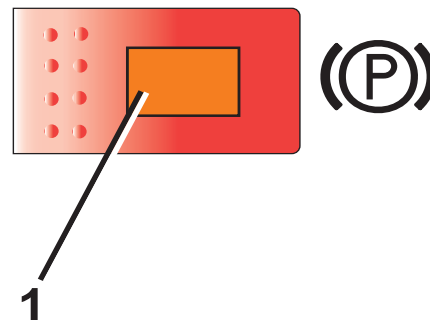
**6.1C PARKING BRAKES**

When the engine is running the Parking brake is applied by sliding back the orange button (1) on the rocker switch on the control panel and depressing the switch.

When the engine is switched off the parking brake is automatically applied.

To release the parking brake depress the opposite end of the rocker switch.

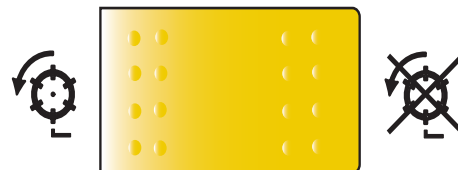
DO NOT apply the brake when the machine is moving.

**6.1D CUTTING UNIT SWITCH**

To commence cutting ensure speed limiter is in mow position and the units have been lowered.

Push bottom of the rocker switch and move joystick towards the lower position.

To stop cutter unit rotation push top of rocker switch. (Cutting units stop rotating automatically when raised.)



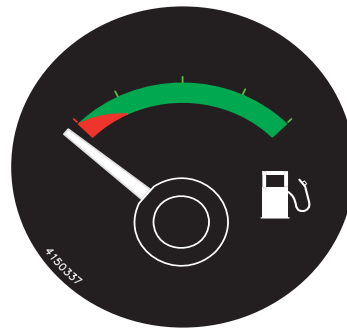
6.1E EMERGENCY STOP SWITCH (Optional)

This switch allows the operator to stop the machine in an emergency.

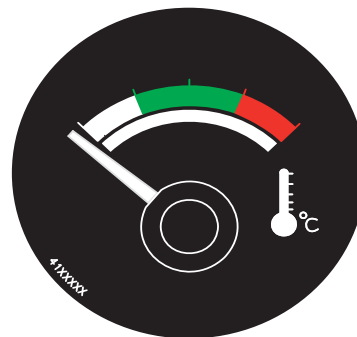
To reset the switch rotate the button.

**6.1F FUEL GAUGE**

Indicates the amount of fuel in the fuel tank.

**6.1G ENGINE COOLANT TEMPERATURE GAUGE**

Indicates the temperature of the engine coolant. If the engine overheats there will be an audible and visual alarm. If this is ignored and the engine is allowed to continue to run, after three minutes the cutters will automatically stop.

**6.1H HOURMETER**

Indicates the number of hours the engine has run.



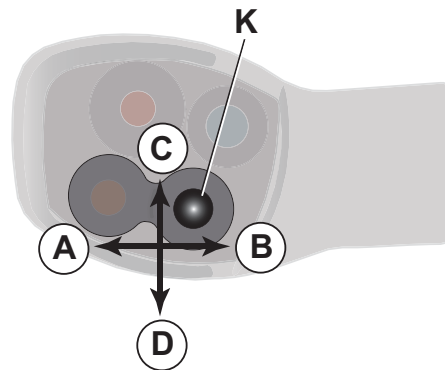
6.1J BLOCKED HYDRAULIC FILTER INDICATOR LAMP.

Monitors Hydraulic filter condition. Coloured red, Illuminates prior to filter bypass valve operating, when illuminated filter requires changing. The red lens should illuminate while the engine is preheating as a test. It is not unusual for the lamp to stay alight for up to 3 minutes after a very cold start. But should not stay on for longer than 5 minutes during operation.

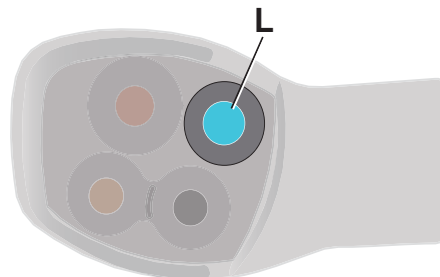

6.1K JOYSTICK UNIT LIFT / LOWER / SLEW CONTROL

The joystick can be operated in 2 directions (single Axis) A, B when using a rotary cutter deck and in 4 direction (double Axis) A, B, C, D when using a rotary brush or snow blade.

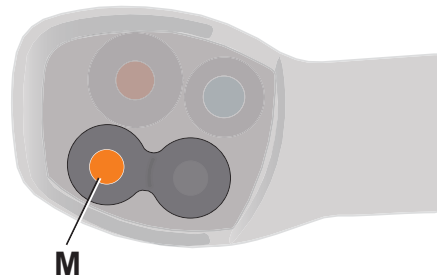
- A One touch lowers the lift arms.
- B Raise the lift arms.
(Needs to be held at position B for lifting arms into transport position).
- C Used to slew the rotary brush or snow blade in a clockwise direction.
- D Used to slew the rotary brush or snow blade in an anticlockwise direction.


6.1L WEIGHT TRANSFER SWITCH

The switch is blue and will transfer weight hydraulically between the drive wheels and the cutter deck. It is possible to adjust the amount of weight transfer manually on the lift valve. See section 9.2.

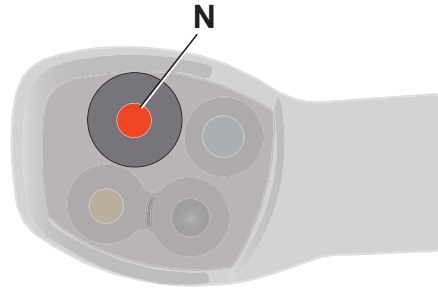

6.1M CUTTERS RUNNING INDICATOR LAMP

Colour Orange, illuminated when the cutter blades are stalling. If the lamp illuminates it indicates the cutter blades have stalled. If this happens the forward speed of the machine should be reduced until the lamp goes out. The light will not go off if the blades are jammed; if this occurs the obstruction must be removed with the engines switched off.

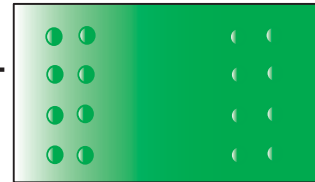


6.1N FAULT INDICATOR LAMP

Colour Red, illuminates when there is a fault in the operator presence and interlock system. The lamp will flash during the start cycle to identify that the glow plugs are operating.

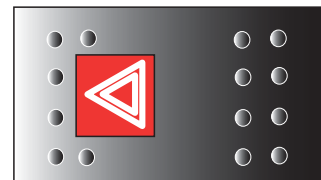
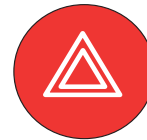
**6.1P ROTATING BEACON SWITCH (Optional)**

Switches the rotating beacon on and off.

**6.1R HAZARD WARNING SWITCH (Optional)**

Switches the hazard warning indicators on and off. The red lens flashes when switched on.

The round switch is fitted to early machines and the rocker switch is fitted to later machines.

**6.1S INDICATOR WARNING LAMP (Optional)**

Colour Green, flashes when indicators are operated.



6.2 TRACTION PEDAL**A. Forward Travel (Traction Pedal C)**

Press the front of pedal down for forward travel.

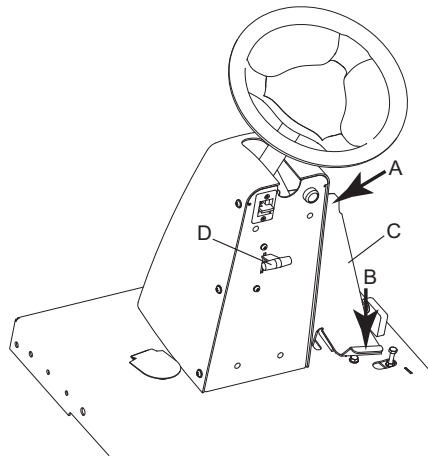
To slow and stop - Gently return the FWD/REV foot pedal to the neutral position. Do not press traction pedal when parking brake is on.

B. Reverse Travel (Traction Pedal C)

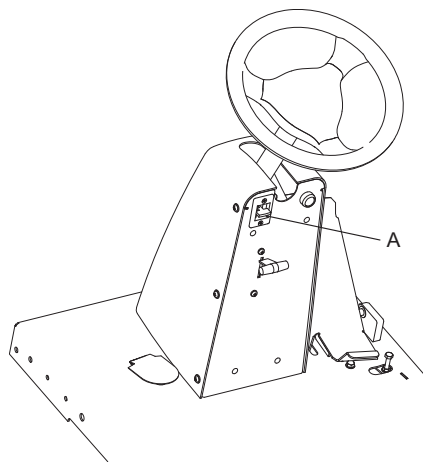
Press rear of pedal down for reverse travel. To slow and stop - Gently return the FWD/REV foot pedal to the neutral position. Allow tractor to come to a complete stop before reversing direction. Do not press traction pedal when parking brake is on.

D. Mow / Transport Speed Selector

Limits forward speed while mowing. To switch between mow and transport, move lever D up for mow and down for transport.

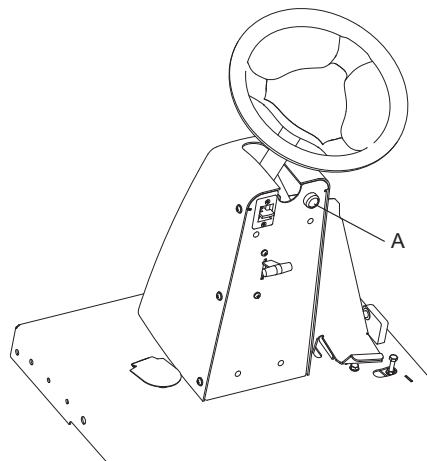
**6.3 STEERING TILT CONTROL**

Pull lever A up to release steering column. Tilt column up or down to position desired. Release lever A to lock steering column in place

**6.4 HORN**

For machines without the lighting kit.

The horn button (A) is situated on the steering tower.

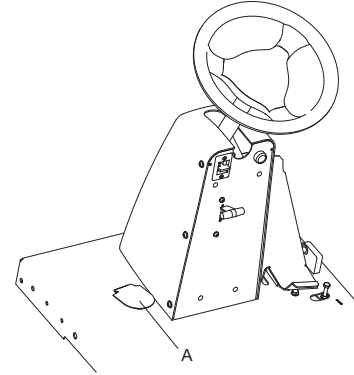


6.5 DIFF LOCK

The Diff lock switch (A) is situated on the foot plate to the left of the steering tower. The Diff lock is operated by depressing the foot switch. When the foot switch is released the Diff lock ceases to operate.

The Diff lock should only be used in severe situations, and should never be used on tarmac or whilst steering.

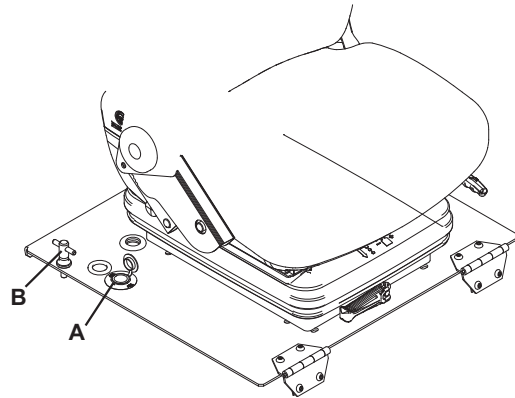
The Diff lock is best applied when operating in damp or wet conditions, where it is likely one of the front wheels will slip.

**6.6 POWER OUTLET**

The Auxiliary Power Outlet is situated on the right hand side of the seat on the seat plate. It is primarily for use with mobile phone charges or similar accessories.

A Automotive 12V Power Outlet (Cigar Lighter)

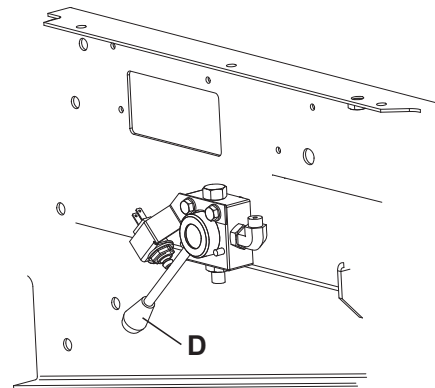
B. Seat plate clamping bolt.

**6.7 PARKING BRAKE RELEASE VALVE**

The Parking Brake Release Valve is situated under the seat plate, on the right hand chassis plate. It is used to release the parking brake when the engine is not running.

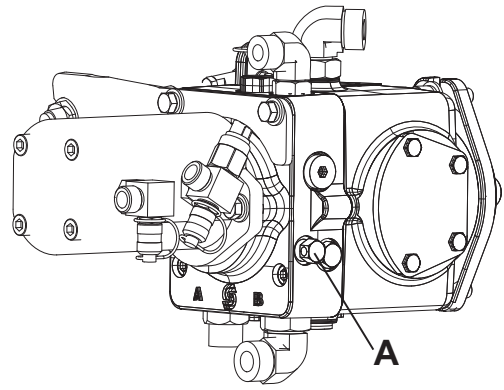
The Parking brake can be released by rotating the lever D to the rear (when viewed from the front of the machine) and turning the steering wheel clockwise until resistance is felt.

If lever D is not returned to the correct position against the switch the machine will not start.



6.8 FREE WHEEL

1. To push the machine, disengage the parking brake, see section 6.7
2. Turn screw (A) located on the left hand side of the transmission pump 1 turn counterclockwise. Set the steering wheel so that the rear wheels are pointing straight ahead.
3. Turn the steering wheel to the left until resistance can be detected. The machine is now ready to push. If unable to move the machine apply further pressure to the steering wheel. Excessive force should never be used on the steering wheel. If the rear wheels start to turn too much force is being applied.
5. After pushing the machine, return the parking brake valve, see section 6.7 to its normal position and screw (A) on the pump to its operating position.

**WARNING**

THE FREE WHEEL FACILITY IS FOR RECOVERY PURPOSES ONLY.

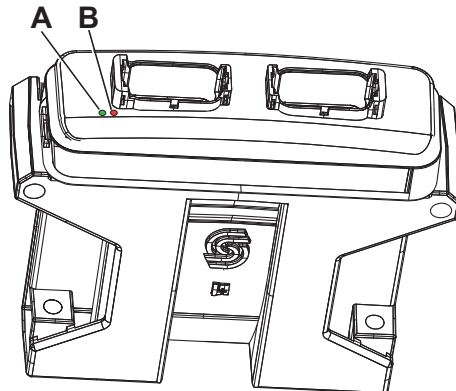
DO NOT TOW THE MACHINE FOR MORE THAN A FEW METRES, OR ALLOW THE MACHINE TO FREE WHEEL DOWN SLOPES EVEN WHEN UNLOADING DOWN RAMPS.

6.9 CONTROLLER ERROR CODES

- A. Power Indicator
- B. Error Code Lamp

Error Flash

One flash - Seat, No Operator
 Two flashes - Parking Brake Off
 Three flashes - Reel Engaged

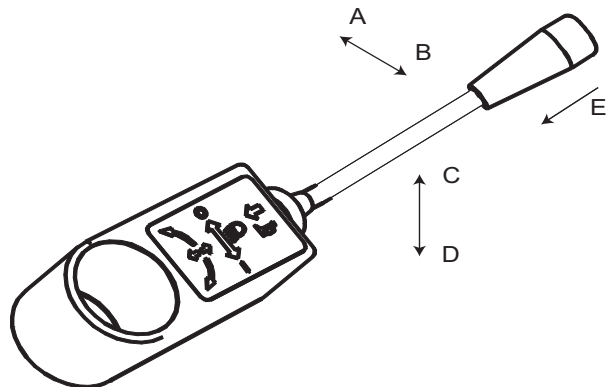
**6.10 LIGHTING KIT (Optional)**

Lighting control Stalk

- A Push away from operator to turn lights on.
- B Pull towards operator to flash headlights.
- C Move stalk up to indicate left turn.
- D Move stalk down to indicate right turn.
- E Push stalk in to sound horn.

NOTE: Side lights will operate when ignition is in the run position

When the lighting kit is fitted a brake light function is available. If brake lights are used rear view mirrors must be fitted.

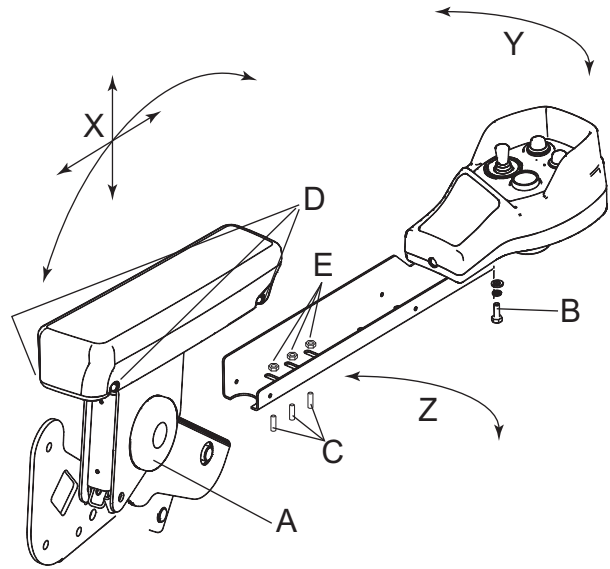


6.11 SEAT RIGHT HAND ARM REST & POD

The right hand arm rest of the seat has an extension mounted to it which carries the control pod.

To obtain a comfortable operating position:

- a Release hand wheel (A).
- b Using both hands grip the arm rest and lift or lower the arm rest. It will move in a circular motion (X) either moving up and forward or down and rearwards.
- c When the desired position is obtained lock by tightening the hand wheel (A).



The pod can be pivoted in the horizontal plane (Y), independently of the arm rest by:

- d loosening the three screws (B) holding the pod to the arm rest extension.
- e Swivel pod to desired position.
- f Tighten the three screws (B).

The whole arm rest extension can be pivoted in the horizontal plane (Z).

- g Remove the arm rest cushion by removing the four screws (D).
- h Loosen the three locknuts (E) fitted to studs (C).
- j Swivel the arm rest extension to the desired position.
- k Tighten the three locknuts (E)
- l Refit the arm rest cushion with the four screws (D)

7.1 DAILY INSPECTION

1. Perform a visual inspection of the entire unit, look for signs of wear, loose hardware and missing or damaged components. Check for fuel and oil leaks to ensure connections are tight and hoses and tubes are in good condition.
2. Check the fuel supply, radiator coolant level, crankcase oil level and air cleaner is clean. All fluids must be at the full mark with the engine cold.
3. Make sure all cutting units are adjusted to the same height of cut.
4. Check all tyres for proper inflation.
5. Test the operator presence and safety interlock system.

7.2 OPERATOR PRESENCE AND SAFETY INTERLOCK SYSTEM

1. The operator presence & safety interlock system prevents the engine from starting unless the parking brake is on, and the mowing device is switched off. The system stops the engine if the operator leaves the seat with the parking brake disengaged. If the operator leaves the seat with the mowing device engaged and the parking brake on the mowing device will stop.



2. Perform each of the following tests to ensure the operator presence & safety interlock system is functioning properly. Stop the test and have the system inspected and repaired if any of the tests fail as listed below:
 - The engine does not start in test 1;
 - The engine does start during tests 2 or 3.
 - The engine continues to run during test 4.
3. Refer to the chart below for each test and follow the check (✓) marks across the chart. Shut engine off between each test.

Test 1: Represents normal starting procedure. The operator is seated, parking brake is on, the operators feet are off the pedals and the mower engagement device is off. The engine should start.

Test 2: The engine must not start if the mower engage device is on.

Test 3: The engine must not start if the parking brake is off.

Test 4: Start the engine in the normal manner, then turn mower engage device on and lift your weight off the seat. -

Test	Operator Seated		Parking Brake Switch		Mower Switch		Engine Starts	
	Yes	No	On	Off	On	Off	Yes	No
1	✓		✓			✓	✓	
2	✓		✓		✓			✓
3	✓			✓		✓		✓
4	✓	●	✓		✓		●	
● Lift your weight off the seat. The cutting units must stop rotating within seven (7) seconds								

7.3 OPERATING PROCEDURE

To help prevent injury, always wear safety glasses, leather work shoes or boots, a hard hat and ear protection

1. Under no circumstances should the engine be started without the operator seated on the tractor.
2. Do not operate tractor or attachments with loose, damaged or missing components. Whenever possible mow when grass is dry
3. First mow in a test area to become thoroughly familiar with the operation of the tractor and controls.
4. Study the area to determine the best and safest operating procedure. Consider the height of the grass, type of terrain, and condition of the surface. Each condition will require certain adjustments or precautions.
5. Never direct discharge of material toward bystanders, nor allow anyone near the machine while in operation. The owner/operator is responsible for injuries inflicted to bystanders and/or damage to their property.
6. Use discretion when mowing near gravel areas (roadway, parking areas, cart paths, etc.). Stones



Remove up all debris from the site before mowing. Enter a new area cautiously Always operate at speeds that allow you to have complete control of the mower

discharged from the implement may cause serious injuries to bystanders and/or damage the equipment.

7. Disengage the cutter motors and raise the implements when crossing paths or roads. Look out for traffic.
8. Stop and inspect the equipment for damage immediately after striking an obstruction or if the machine begins to vibrate abnormally. Have the equipment repaired before resuming operation.



Before you clean, adjust, or repair this equipment, always disengage all drives, lower implements to the ground, engage parking brake, stop engine and remove key from ignition switch to prevent injuries.

**WARNING**

**DO NOT USE ON SLOPES GREATER THAN 14°
FOR MACHINES FITTED WITH ROTARY DECKS
AND MACHINES FITTED WITH ROTARY DECKS
AND ROPS CAB.**

**WARNING**

**DO NOT USE ON SLOPES GREATER THAN 12°
FOR MACHINES FITTED WITH ROTARY DECKS
AND ROPS FRAME**

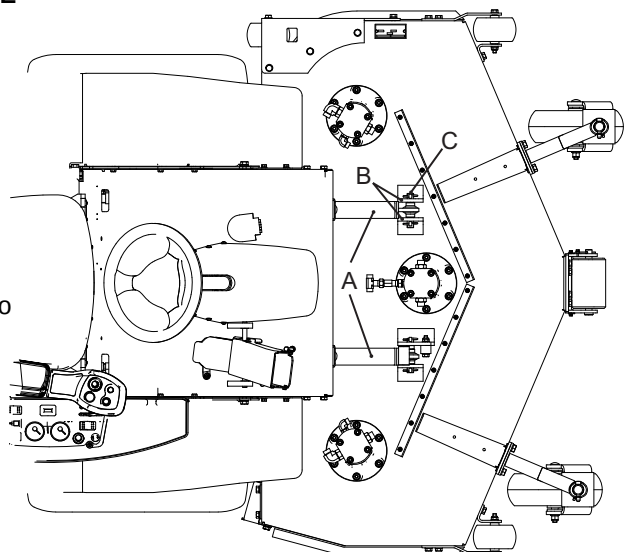
**WARNING**

**DO NOT USE ON SLOPES GREATER THAN 10°
FOR MACHINES FITTED WITH ROTARY BRUSH
OR SNOW BLADE AND ROPS CAB.**

9. Under no circumstances should the engine be started without the operator seated on the tractor.
10. Do not operate tractor or attachments with loose, damaged or missing components.

7.4 FITTING THE CUTTING UNIT TO THE MACHINE

1. With the lift arms (A) in the lower position align deck mounting brackets (B) with the self aligning bearings.
2. Fit pivot pins (C) and secure with cotter pins and rings.
3. Connect hydraulic Quick release hydraulic hoses to tractor unit.
4. See section 9.3 to set height of cut.



7.5 OPERATION OF THE MACHINE

Read the Safety Instructions.

BEFORE OPERATING FOR THE FIRST TIME

- Check and adjust tyre pressure, if necessary, see section 4.2 Specification.
- Add diesel fuel to tank if necessary.
- Check engine oil and top-up, if necessary.
- Check radiator coolant and top-up, if necessary (50% antifreeze solution).
- Make sure you understand the information contained in the previous sections.

7.6 STARTING THE ENGINE

The following procedure is for starting cold engines.

1. Ensure the FWD/REV pedal is in the neutral position, the mow switch is off, the throttle setting is in a mid position and the parking brake is applied.
2. Turn the ignition switch fully clockwise and hold until the engine starts (approximately 5-10 sec.)
3. The glow plugs are auto timed depending on the coolant temperature for operating the starter motor (This should only take a few seconds)
4. When the engine starts, release the key immediately and it will return to the RUN position.
5. If the engine does not start, preheat the glow plugs and try again.

NOTES:

- If the engine fails to start after two attempts (with preheat if necessary), wait 20 seconds and try again.
- The starter motor should never be run continuously for longer than 30 seconds or it may fail.

7.7 DRIVING

- Release brake - Make sure the parking brake

is released before attempting to go forward or reverse.

- Forward - Gently depress the top of the FWD/REV foot pedal to reach desired ground speed.
- Reverse - Gently depress the bottom of the FWD/REV foot pedal to reach desired ground speed.
- To stop - Gently return the FWD/REV foot pedal to the neutral position.

NOTES:

- Use complete foot to operate both forward and reverse.
- Do not move pedal suddenly—always operate slowly and smoothly. Never move pedal violently from forward to reverse or vice versa.
- Always keep foot firmly on the foot pedal—a too relaxed foot control may result in a jerky motion.

7.8 MOWING

1. Lower the cutting unit with the joystick.
2. Ensure speed limiter is in mow position. (Cutting at a higher speed could be dangerous and may not give the required finish.)
3. Engage the cutting mechanism by pushing on the lower half of cutting unit switch.
4. Release the parking brake and begin driving forward.

NOTE: Always set the throttle to full engine revs. for mowing, even when the grass is heavy. When the engine is labouring, reduce forward speed by easing back on the FWD/REV foot pedal. A performance indicator lamp on the control pod will illuminate red as the cutter deck starts to labour.

7.9 TO STOP THE ENGINE

1. Disengage drive to the cutting units with the cutting unit switch.
2. Remove foot from the FWD/REV pedal.
3. Set the parking brake.

4. Move the throttle control lever to the SLOW position.
5. Turn the ignition key to OFF.

NOTE:

In an emergency the engine can be stopped by depressing the emergency stop button (Optional) situated on the front of the instrument panel.

7.10 UNBLOCKING CUTTER DECKS

remove blockage.

1. Switch off cutter deck, lift out of work and move machine to flat level ground.
2. Switch engine off and remove the ignition key.
3. Pivot deck see section 9.4.
4. Using a piece of wood and personal protective equipment e.g. eye protection and gloves,
5. Check blades for damage and replace if necessary.
6. Put deck back into operating position see section 9.4.
7. Start engine and decks to check for correct operation.

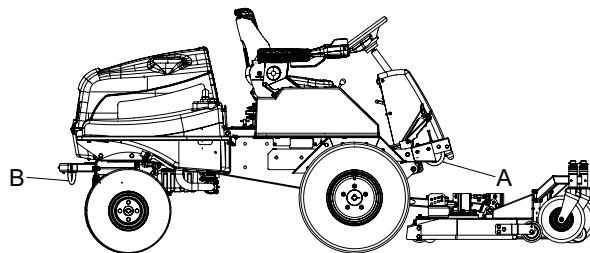
7.11 TRANSPORTING ON A TRAILER

The machine is fitted with tie-down loops front (A) and rear (B). Always tie down the machine securely to the trailer.

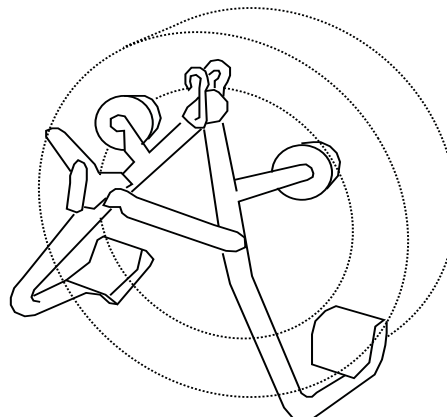
Always follow any recommendations for maximum trailer weights given in your towing vehicles handbook.

Never exceed the maximum gross weight shown on the trailer plate.

Always read the trailer manufactures and towing vehicle manufactures handbooks before towing.

**7.12 SLINGING THE MACHINE**

When slinging the machine a set of four damage free wheel clamps should be used, similar to the one shown, in conjunction with a certified lifting frame. For more information go to www.tipnlift.co.uk.



7.13 MOWING ON SLOPES

The mower has been designed for good traction and stability under normal mowing conditions. Use caution when operating on slopes, especially when the grass is wet. Wet grass reduces traction and steering control.

**WARNING**

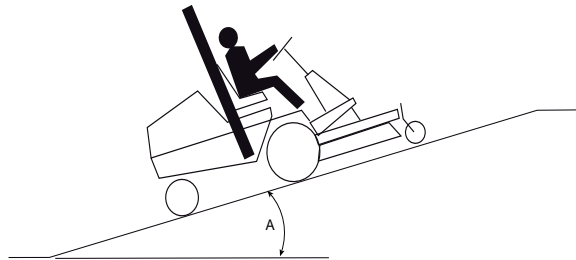
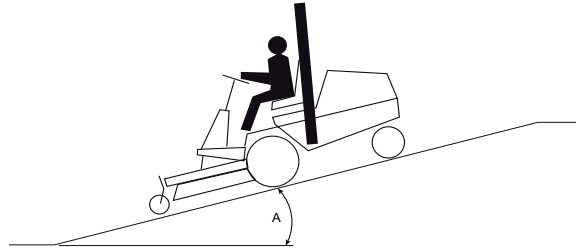
To minimize the possibility of overturning, the safest method for operating on hills and terraces is to travel up and down the face of the slope (vertically), not across the face (horizontally). Avoid unnecessary turns, travel at reduced speeds, and stay alert for hidden hazards.

1. Always mow with the engine at full throttle, control forward speed using traction foot pedal to maintain proper cutting.
2. Use weight transfer control as required to improve weight distribution between decks and mower.
3. If the mower tends to slide or the tyres begin to mark the turf, angle mower into a less steep slope until traction is regained or tyre marking stops.
4. If mower continues to slide or mark the turf, the slope is too steep for safe operation. Do not make another attempt to climb, and back down slowly.
5. When descending a steep slope, always lower implements to the ground to reduce the risk of mower overturning.

Correct tyre pressure is essential for maximum traction.

Front: 14 - 20 psi (1.00 - 1.37bar)

Rear: 14 - 20 psi (1.00 - 1.37bar)

**WARNING**

DO NOT USE ON SLOPES GREATER THAN 14° FOR MACHINES FITTED WITH ROTARY DECKS AND MACHINES FITTED WITH ROTARY DECKS AND ROPS CAB.

**WARNING**

DO NOT USE ON SLOPES GREATER THAN 12° FOR MACHINES FITTED WITH ROTARY DECKS AND ROPS FRAME

**WARNING**

DO NOT USE ON SLOPES GREATER THAN 10° FOR MACHINES FITTED WITH ROTARY BRUSH OR SNOW BLADE AND ROPS CAB.

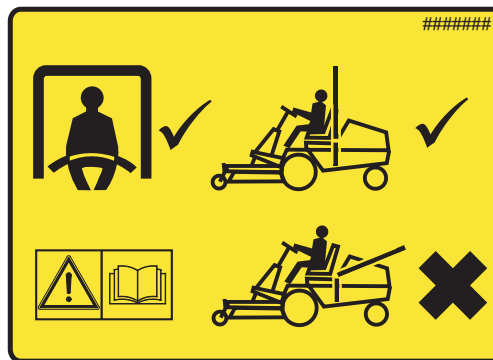
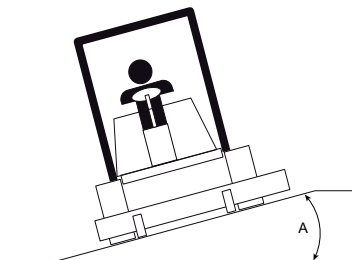
If it is necessary to mow across a short slope, ensure the right hand cutting unit is the lowest.

WARNING

When the machine is being used, whether cutting grass or not, on slopes, the ROPS frame should be deployed and the seat belt used.

This rationale is based on the fact that a seat belt must be worn with a ROPS to comply with the Machinery Directive 2006/42/EC sections 3.2.2, Seating & 3.4.3, Rollover

Ransomes Jacobsen Limited recommends that a local risk assessment is completed by the owner/user of the machine to determine the risks associated with working on slopes.



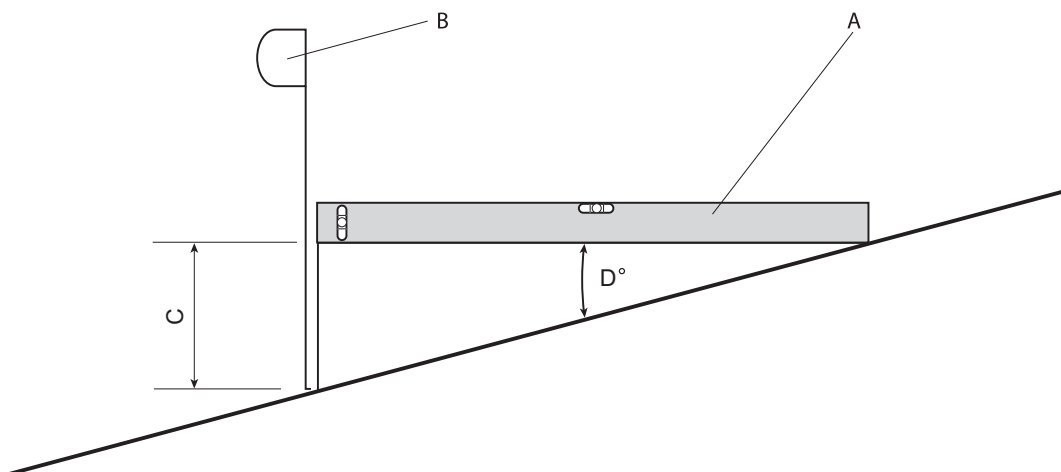
How to calculate a slope

Tools:

Spirit level 1 metre long.

Tape measure.

With the spirit level (A) positioned horizontally measure the distance (C) with tape measure (B).
Using the chart determine the angle of the ground.



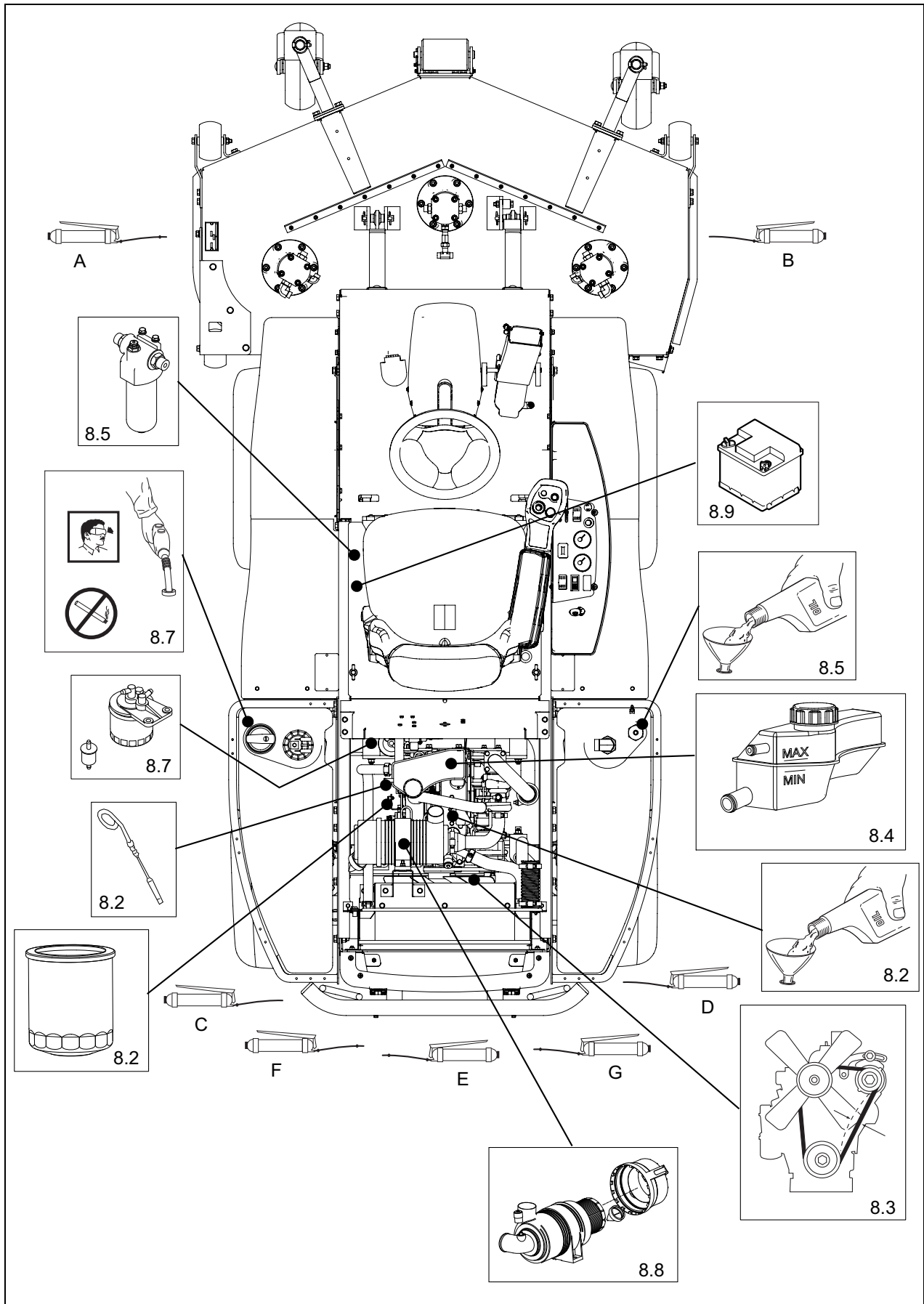
SLOPE CALCULATION CHART

Use Either of these columns but not both		The result of what you are measuring	
Height 'C' in inches measured with a 1 yard horizontal edge 'A'	Height 'C' in millimeters measured with a 1 metre horizontal edge 'A'	Slope Angle 'D' measured in Degrees	Slope Angle 'D' measured in Grade%
3		4.8	8.3
	100	5.7	10.0
	150	8.5	15.0
6		9.5	16.7
	200	11.3	20.0
7.5		11.8	20.8
	225	12.7	22.5
9	250	14.0	25.0
	275	15.4	27.5
10		15.5	27.8
	300	16.7	30.0
11		17.0	30.6
	325	18.0	32.5
12		18.4	33.3
	350	19.3	35.0
13		19.9	36.1
	375	20.6	37.5
14		21.3	38.9
	400	21.8	40.0
15		22.6	41.7
	425	23.0	42.5
16		24.0	44.4
	475	25.4	47.5
18	500	26.6	50.0
20		29.1	55.6
	600	31.0	60.0
25		34.8	69.4
	800	38.7	80.0
30		39.8	83.3
	900	42.0	90.0
36	1000	45.0	100.0

8.1 MAINTENANCE & LUBRICATION CHART

MAINTENANCE AND LUBRICATION CHART		
Interval	Item	Section
First 50 hours	● Change Engine Oil	8.2
	● Check Fan Belt Tension	8.3
	● Change Hydraulic Filter	8.5
Daily 10 hours	● Check Engine Oil Level.	8.2
	● Check Safety Interlock System.	7.2
	● Check Engine Coolant Level	8.4
	● Check Hydraulic Fluid Level	8.5
	● Check Tyre Pressure	4.2
	● Check Rear Wheel Hub Nut Lock	8.11
	● Check Engine Bay for Debris	8.12
Weekly Every 50 hours	● Check for Loose Components.	8.12
	● Check for Hydraulic Leaks.	8.12
	● Check Fan Belt Tension.	8.3
	● Check Air Filter Tell Tail Indicator*.	8.9
Every 250 hours	● Change Engine Oil & Oil Filter.	8.2
End of season Every 1000 hours	● Check Battery Condition.	8.9
	● Change Engine Oil & Oil Filter.	8.2
	● Change Engine Air Filter Element*	8.9
	● Replace Fuel Filters	8.8
	● Change Hydraulic Oil & Filters	8.5
	● Drain & Clean Fuel Tank	8.8
	● Drain & Replace Engine Coolant	8.4
Lubricate all Grease fittings with Shell Darina R2 or equivalent Grease weekly A = Lift Arm Pivot LH, B = Lift Arm Pivot RH, C = Stub Axle Pivot LH, D = Stub Axle Pivot RH, E = Axle Pivot Centre, F = Steering Ram Ball Joint LH, G = Steering Ram Ball Joint RH (see diagram)		
* Check more often in dirty conditions		
IMPORTANT Refer to Engine Manufacturers Manual for Additional Engine Maintenance Procedures		

FLUID REQUIREMENTS			
		Quantity	Type
A	Engine Oil (with filter)	5.1 Litres	10W 30
B	Hydraulic Oil (with filter)	42 litres	Shell Tellus 46 (ISO VG 46) Greenscare 46 (ISO 46) Bio Degradable Oil
C	Radiator Coolant	5 litres	50% Anti-Freeze
D	Fuel	51 litres	No 2-D (ASTM D975) Diesel



8.2 ENGINE LUBRICATION

Check Engine Oil Level

Check the engine oil level before starting or more than five minutes after stopping the engine.

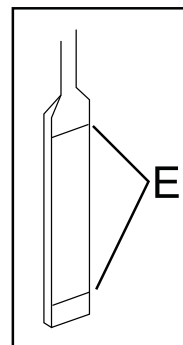
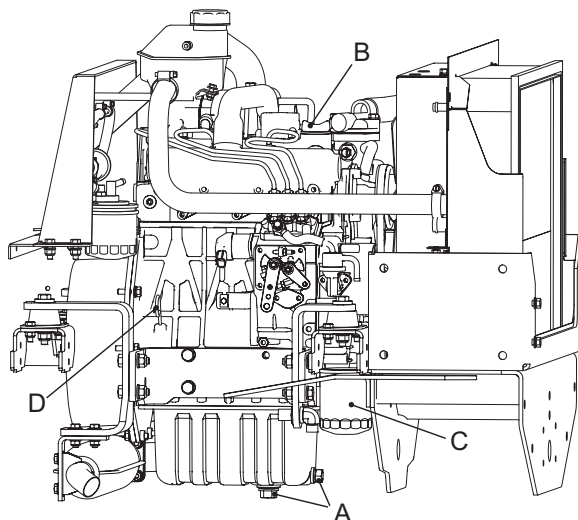
- With the machine on level ground, remove the dipstick D, wipe it clean and replace.
- Take the dipstick D out again, and check the oil level. It should be between level marks (E) on dipstick.

Change Engine Oil.

- Warm up the engine first and then shut it off. Remove oil drain plug (A) from the bottom of the crankcase and wipe it off.
- Drain engine oil in to a suitable container.
- Replace the drain plug (A) and fill engine with the correct quantity & grade of oil through one of the fillers (B).

Change Engine Oil Filter

- Remove single-unit cartridge (C)
- Collect engine oil in a suitable container.
- Clean area on crankcase.
- Apply thin coat of oil to cartridge gasket before installing.
- Tighten filter by hand only.
- Check for oil leaks around the cartridge gasket after engine is started.



Contact with engine oil can damage your skin. Use gloves when working with engine oil. If you come in contact with engine oil, wash it off immediately.



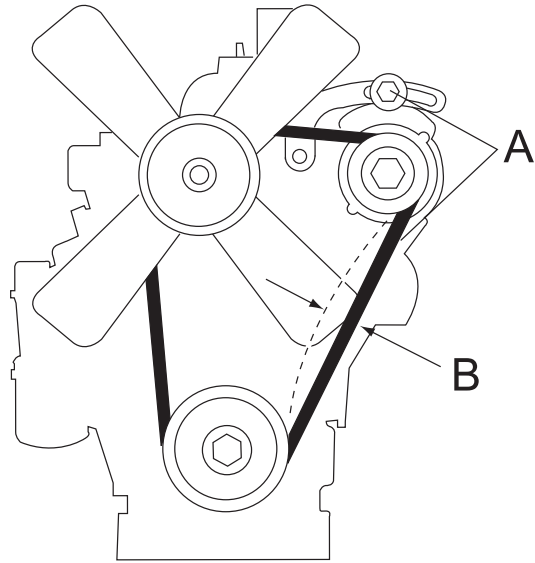
Dispose of used engine oil in accordance with local regulations

8.3 ENGINE: FAN BELT

Check & Adjust Fan Belt.

The fan belt is adjusted so that it has sufficient tension to avoid undue stress on alternator bearings but does not slip on the alternator pulley. Use the following procedure to check the belt tension at the mid-point of the belt between crank shaft and alternator pulleys.

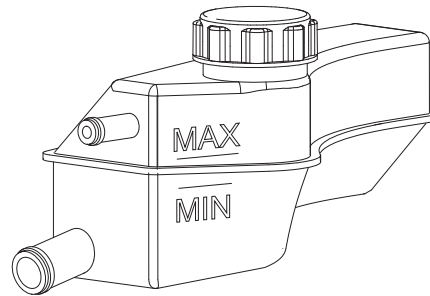
1. Loosen alternator bolt (A) and pivot bolt on the underside of the Alternator.
2. Move the alternator to tighten or loosen the belt so that a deflection of 7 to 9 mm is achieved at the mid-span (B) with a load 10Kgf (98N/22lbs) for a new belt, and 8 to 10mm for a used belt.
3. Re-tighten bolts.



8.4 ENGINE COOLANT

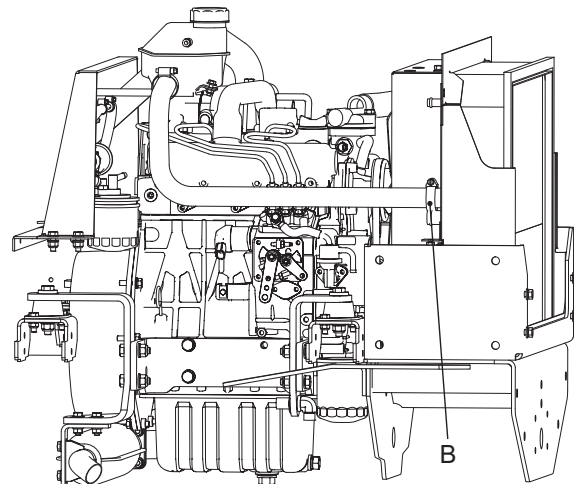
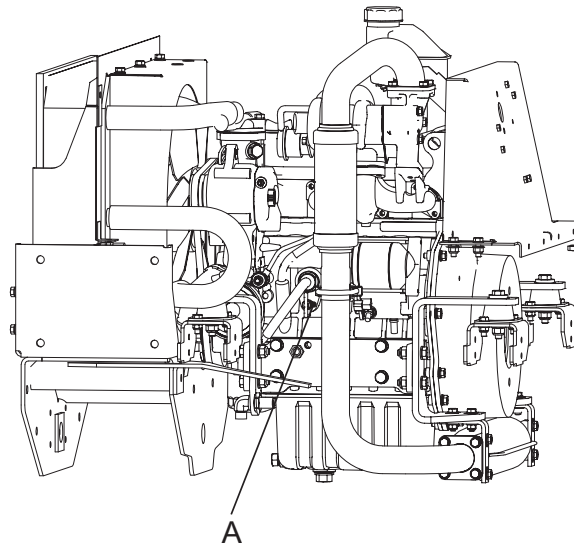
Check Engine Coolant Level

- The level of coolant in the expansion tank should be between the MAX and MIN level indicators when cold.
- If topping up is required, remove the plastic cap and top up using the correct anti-freeze mixture, see section 8.1.
- Replace the plastic cap when finished.



Changing Coolant

- To drain coolant, open cock on engine block (A) and remove hose from radiator (B). Collect coolant using a suitable container.
- Close drain cock on engine block (A) and replace hose back on to radiator. Ensure all hose clips are tight.
- Refill the cooling system with the correct anti-freeze mixture, see section 8.1. Fill system through expansion tank.
- The level of coolant in the expansion tank should be between the MAX and MIN level indicators when cold.
- Run the engine for approximately 5 minutes or until the thermostat opens.
- Check level of coolant in expansion tank and top up if necessary



Contact with anti-freeze can damage your skin. Use gloves when working with anti-freeze. If you come in contact with anti-freeze, wash it off immediately.



Dispose of used anti-freeze in accordance with local regulations

8.5 HYDRAULIC SYSTEM

Check Hydraulic Oil Level

Check hydraulic oil level using sight gauge (C).

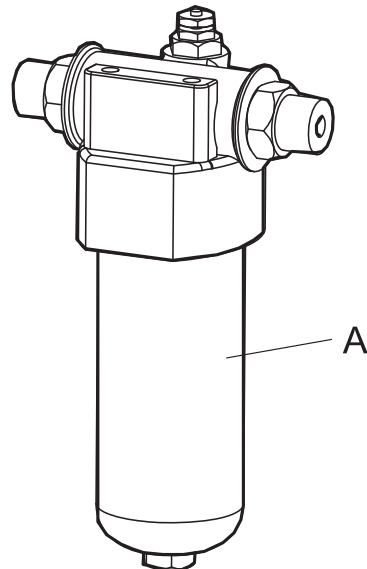
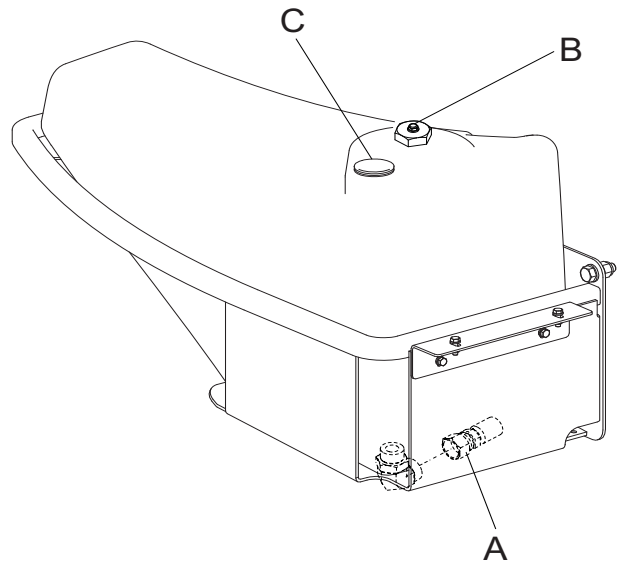
Change Hydraulic Oil

- Clean around hose (A) in bottom of Hydraulic tank and remove.
- Allow tank to drain into a suitable container and replace hose.
- Refill tank with the correct quantity and grade of Hydraulic Oil through the filler/breather cap. (B).

IMPORTANT-Whenever the closed loop transmission circuit has been broken into, it is essential that the circuit is flushed prior to use. Absolute cleanliness must be observed when filling the hydraulic tank. Oil must be filtered through a 25 micron filter before entering the hydraulic tank.

Change Hydraulic Oil Filter

- Wipe filter canister (A) and housing to remove any dirt present.
- Place a suitable drip tray under the filter.
- Unscrew filter and dispose of safely.
- Replace with new filter canister (A).
- Coat the top outside lip of the filter canister with a thin film of oil, fill filter with clean hydraulic fluid and refit the filter canister.
- Filter should be replaced before refilling hydraulic tank.



Contact with hydraulic oil can damage your skin. Use gloves when working with hydraulic oil. If you come in contact with hydraulic oil, wash it off immediately.



Dispose of used hydraulic oil in accordance with local regulations

8.6 HYDRAULIC SYSTEM FLUSHING

When changing from mineral to vegetables oil

Terresolve™ EnviroLogic® BioFlush is a carefully designed fluid which helps to flush and remove petroleum oil from hydraulic systems. This is done when converting hydraulic systems to the use of biodegradable fluids.

EnviroLogic® BioFlush will condition the internal hydraulic system to help optimize both overall system performance and fluid biodegradability.

1. Run equipment until warm. Drain petroleum hydraulic fluid and replace all hydraulic filters.
2. Fill system with EnviroLogic. BioFlush. Run equipment for 5 minutes until fluid is completely circulated.
3. Drain the BioFlush and replace hydraulic filters.
4. Fill system with approved biodegradable ISO VG 46 hydraulic oil.

The hydraulic system is now optimized for fluid biodegradability in the event of leakage.

When changing from vegetables to mineral oil

There is no need to flush the system.



Contact with hydraulic oil can damage your skin. Use gloves when working with hydraulic oil. If you come in contact with hydraulic oil, wash it off immediately.



Dispose of used hydraulic oil in accordance with local regulations

8.7 HYDRAULIC TEST PORTS

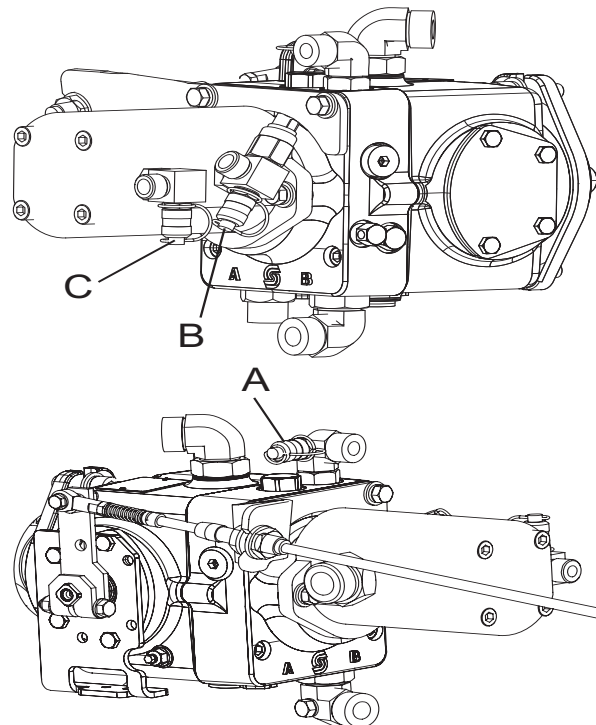
If any problems are experienced with the hydraulic system service ports are provided to enable pressures to be checked.

All tests, unless stated otherwise, should be carried out with the hydraulic oil at normal working temperature.

TEST PORTS

- A. Transmission pressure: 250 bar forward / reverse.
- B. Deck drive pressure: 250 bar.
- C. Steering and lift pressure 125 bar.

NOTE: Any servicing of the hydraulic system must be carried out by trained service personnel.



8.8 FUEL SYSTEM

Use Diesel fuel No.2-D (ASTM D975)

See engine manufacturer's manual for additional information.

Bleeding air from fuel system

- Turn the ignition switch to the ON position (don't start engine).
- Open air vent (B) on Fuel filter housing to allow air to escape.
- Retighten air vent.
- Open air vent (D) on side of injection pump to allow air to escape.
- Retighten air vent.
- Turn ignition to OFF.

Changing fuel filter

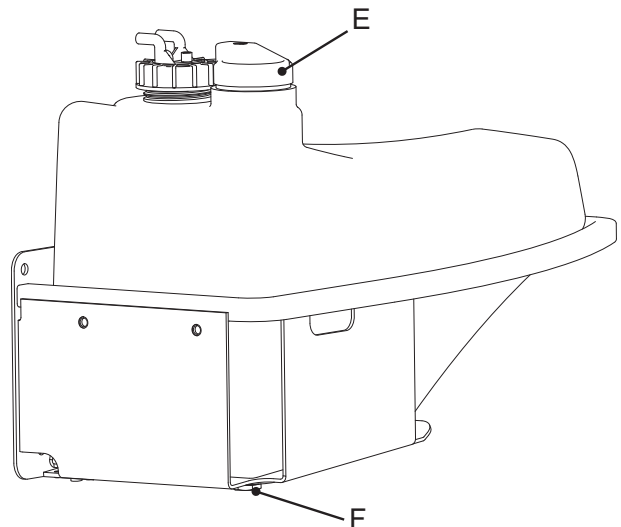
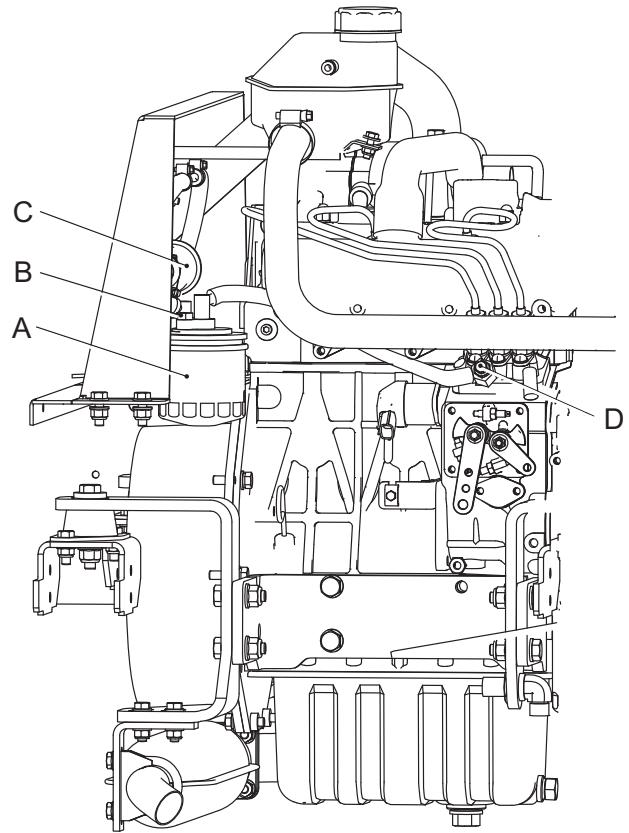
- Unscrew filter (A) from filter head.
- Remove filter and discard.
- Fit new filter to head.
- Bleed air from system as described above.

Replace In-line fuel (C)

Draining Fuel Tank

- Remove filler cap (E).
- Remove drain plug (F).
- Drain diesel fuel in to a suitable container.
- Replace drain plug (F) and filler cap (E).

NOTE: If refilling fuel tank, bleed the system as described above.



Contact with diesel fuel can damage your skin. Use gloves when working with diesel fuel. If you come in contact with diesel fuel, wash it off immediately.



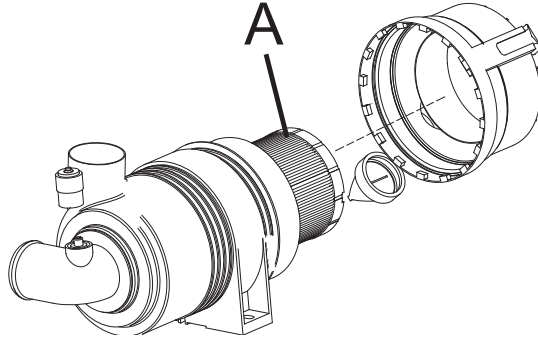
Dispose of used diesel fuel in accordance with local regulations

8.9 AIR CLEANER

Cleaning the air filter

NOTE: After 6 cleanings replace the filter element.

- (a) Raise engine cover.
- (b) Remove end cap of air filter cartridge.
- (c) Remove loose dirt from element with compressed air working from the clean to dirty side, using compressed air max 6 bar, with nozzle 5cm from element.
- (d) Reinstall filter element (press firmly against rear shoulder)
- (e) Replace end cap and fasten with clips



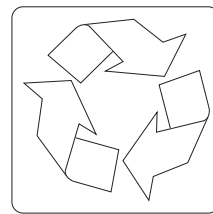
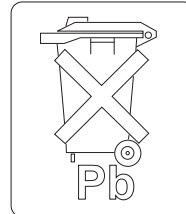
Change air filter

- (a) Raise engine cover.
- (b) Remove end cap of air filter cartridge.
- (c) Remove accumulated dust or dirt.
- (d) Remove filter element (A) (pull straight out firmly)
- (e) install new filter element (press firmly against rear shoulder)
- (f) Replace end cap and fasten with clips

NOTE: Extensive damage to engine can result from an inadequate air supply.

8.10 BATTERY

- (a) Keep fluid levels above battery plates.
- (b) Keep battery post corrosion free



WARNING

Batteries produce explosive gases and contain corrosive acid and supply levels of electrical current high enough to cause burns.



WARNING

Battery posts, terminals and related accessories contain lead and lead compounds.

WASH HANDS AFTER HANDLING



WARNING

Wear eye protection when servicing battery.



CAUTION

Dispose of used batteries in accordance with local regulations

8 MAINTENANCE & LUBRICATION

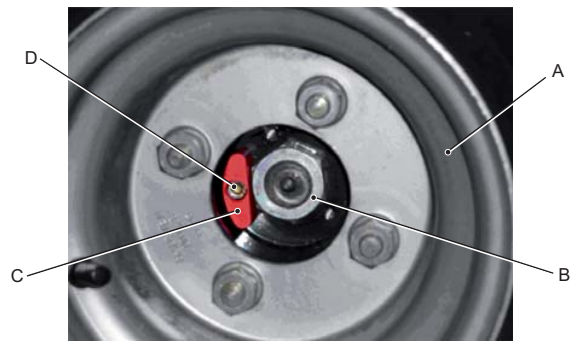
SAFETY, OPERATORS & MAINTENANCE MANUAL

8.11 REAR HUB NUT LOCK- APPLICATION AND INSPECTION.

The Hub Nut Lock is a quick visual indicator to the security of the Hub Nut.
Due to its design and colouring the Hub Nut Lock is easily visible from a distance even when the tractor unit is in use or is parked.

Daily:

Visual checks should be conducted to check that the Wheel Nut Locks are in place. If missing replacement components should be sourced before using the equipment.



- A Wheel Rim
- B Hub Nut
- C Hub Nut Lock
- D Hub Nut Lock Screw

8.12 MACHINE MAINTENANCE

Other Regular Service.

- Verify proper operation of safety interlock switches (Seat switch, etc.)
- Ensure nuts and bolts remain tight.
- visually inspect for hydraulic leaks.
- Keep engine bay clear of debris.
- Keep tyre pressure at correct level. See section 4
- Follow the engine manufacturer's maintenance recommendations.
- If a label becomes worn or removed, see the LABELS section of this manual or the tractor Parts Manual for replacement information.

NOTE: When washing machine with pressure spray washers or steam cleaners, avoid washing bearing areas because cleaning solutions might penetrate bearing seals and cause premature bearing failure.

Storage

- Store petrol or diesel fuel in an approved container in a cool dry place.
- Keep the machine and fuel containers in a locked storage place to prevent tampering and to keep children from playing with them.
- Do not store fuel or petrol/diesel fuel powered equipment in any closed area where heating appliances, pilot lights or any sort of open flame is present.
- Before storing, allow the engine to cool, and drain fuel completely from fuel tanks and containers.
- Maximum safety and best mowing results can only be expected if the mower is maintained and operated properly.

8.13 MACHINE MAINTENANCE WITH CAB FITTED

To carry out maintenance under the operators seat the left hand rear three quarter glass window needs to be removed from the cab. This is a two man operation.

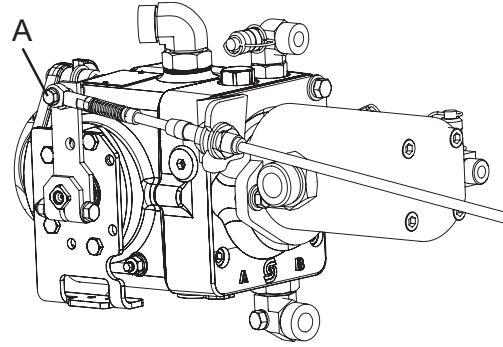
- 1 One person Should be outside the cab supporting the window.
- 2 The person inside the cab should release the retaining handle.
3. The window can now be removed and stored in a safe place.



9.1 TRACTION CONTROL PEDAL

The LPV transmission pump has an internal neutralising mechanism which cannot be adjusted. If the machine does however creep carry out the following.

1. Lift and support both front and rear wheels.
2. Remove ball joint from pump lever to allow pump to neutralise.
3. Start engine, manually move the pump control lever and release to ensure wheels stop rotating.
4. Operate foot pedal to ensure cable is free.
5. Reattach ball joint to pump lever.



6. Move the foot pedal in forward & reverse directions to ensure there is no creep in neutral position.

**WARNING**

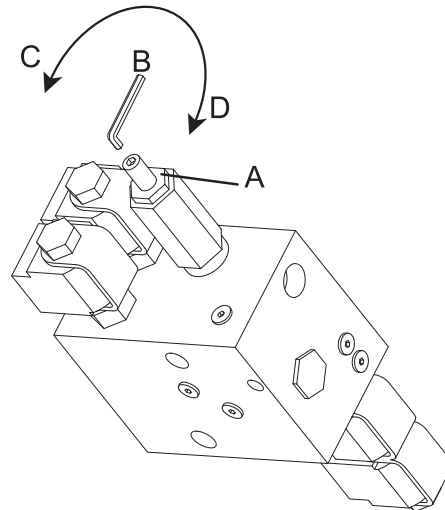
Properly support raised machinery with jack stands

9.2 WEIGHT TRANSFER ADJUSTMENT

The weight transfer bias can be adjusted on the lift valve. The valve is accessible from under the seat plate.

To adjust:

1. Loosen the locknut A whilst holding the threaded shaft still with the Allen Key B.
2. Using an Allen key B rotate the threaded shaft clockwise in direction D to increase weight onto the drive wheels when the traction control switch is operated on the control panel. This improves slope climbing performance. To reduce weight on the drive wheels when the traction control switch is operated on the control panel, rotate the threaded shaft counter clockwise in direction C. This increases the ground weight of the cutting unit and will reduce the possibility of cutting unit "bounce" when working at high speed on undulating ground. It is recommended that the Allen key is turned a 1/4 turn at a time and the weight transfer tested.
3. Tighten locknut A. whilst holding the threaded shaft still with the Allen Key B.



9.3 HEIGHT OF CUT

Cutting height for decks can be adjusted from 25-115mm. Actual cutting height may vary somewhat from the heights given depending on turf conditions and other factors.

Note: When cutting undulating areas, lower cutting heights may cause scalping. Adjust height accordingly to prevent turf damage.

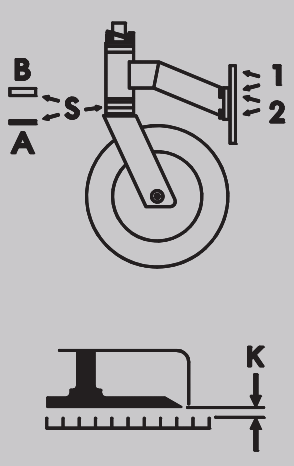
To Change the Height of Cut

1. Park the tractor on a flat, level surface. Fully lower cutting unit. Place blocks under deck so it is supported on all sides.
2. Refer to the chart provided for desired cutting height.
3. Caster Mount - The caster wheel mounting brackets may be attached to deck mounting plates at two different points. Select either position 1 or 2 for the two height of cut ranges.
4. Caster spacers - Spacers may be moved from below to above the pivot spindle to make relatively small changes in the height of cut.

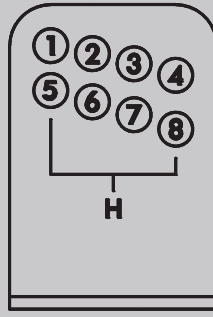
- a) Remove cotter pin and ring from the top of the caster yoke shaft, and remove the yoke and wheel completely from pivot spindle mounting.
 - b) Select the spacers needed and place on the caster yoke shaft.
 - c) Reinsert the caster yoke shaft into the pivot spindle mounting.
 - d) Place the remaining spacers on the caster yoke shaft above pivot spindle mounting. Replace the cotter pin and ring.
5. Fit pin to plate H to give the required height of cut.

For best performance it is recommended not to cut of more than 1/3 of the grasses length in one cut. This is particularly important when using a mulching deck.

Adjust forward speed in consideration of the grass conditions, the performance lamp is a guide to optimise cutting performance.



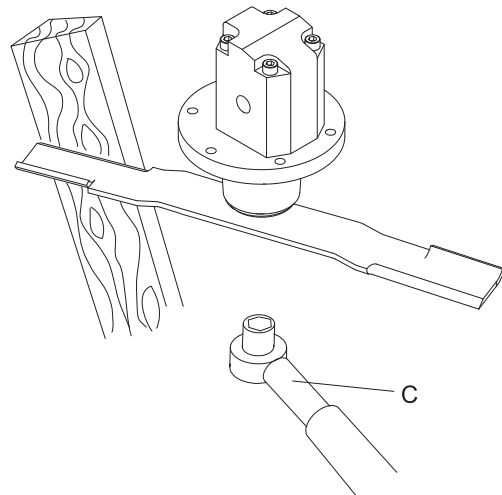
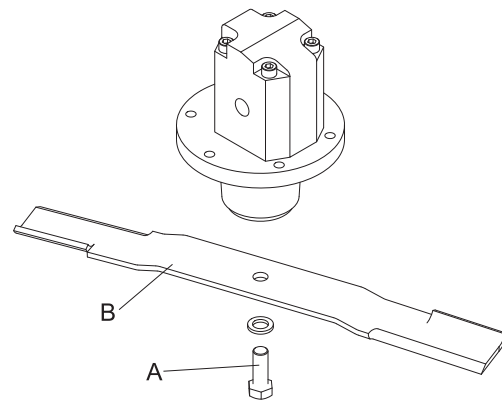
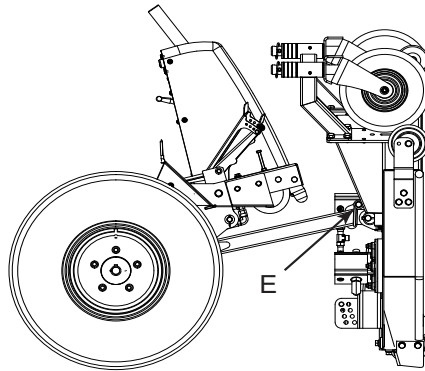
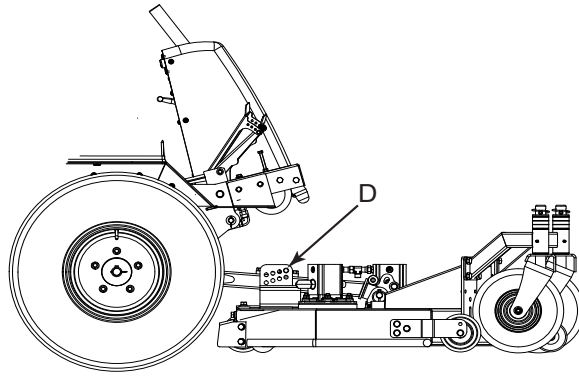
1 - 2	S	H	K
1	0	1	25
1	A(1)	1	28
1	B(1)	2	34
1	A(1) + B(1)	2	39
1	B(2)	3	47
1	A(1) + B(2)	3	52
1	B(3)	4	60
1	A(1) + B(3)	4	64
2	0	5	72
2	A(1)	5	77
2	B(1)	6	85
2	A(1) + B(1)	6	90
2	B(2)	7	96
2	A(1) + B(2)	7	102
2	B(3)	8	110
2	A(1) + B(3)	8	115



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9.4 BLADE CHANGE

1. Raise the deck so it is just clear of the ground. This will allow the setting pin D to lift clear of the arm and be easier to remove.
2. Remove the pins at position D on both sides of the machine which lock the deck in its working position.
3. Lift the cutter deck to its full height.
4. Rotate cutter deck to the vertical position.
5. Insert one of the height of cut pins at position (E) to lock deck in its vertical position.
6. Remove blade bolt (A).
7. Remove blade (B) from deck.
8. Fit new blade.
9. Replace blade bolt A to hydraulic motor spindle.
10. Tighten blade bolt with torque wrench (C) set to 95N-m (70 ft.-lb.) torque.
11. Remove the pin which holds the cutter deck in the vertical position and return deck to its working position.
12. Refit the locking pins to position (D).

**WARNING**

Blades are extremely sharp and can cause severe cuts. For your protection, hold blades with thick leather work gloves only.

9.5 BLADE SHARPENING

Blades may be sharpened by filing or grinding. When sharpening, maintain blade balance within 19.4 g/cm. Failure to keep the blade balanced causes excess vibration, blade wear and shortened blade life, and may harm other mechanical components of the machine as well.

To check blade balance

1. Determine if there is a lighter end.
2. Attach a 3.9g weight to the lighter end 127mm from the centre of the blade.
3. If the blade is adequately balanced, the weight should convert the light end into the heaviest end. If correction is required, file or grind the heavy end to obtain balance.

NOTES:

- Do not overheat or weaken blades when sharpening.
- Do not straighten bent blades.
- * If the lift portion of the blade is worn thin, replace with a new blade.
- Replace cracked or bent blades.
- For greatest safety always use genuine replacement blades.

9.6 LIFT ARM PROXIMITY SWITCH

Purpose

The magnetic proximity switch activates and deactivates the cutting circuit.

Location

The magnetic proximity switch is located within the front axle weldment above the right hand side lift arm near to its pivot point.

Setting

In general do not adjust the position of the proximity switch, only the magnets. Once factory set, the switch should not require further adjustment.

If the magnetic proximity switch requires adjustment only the magnets should be repositioned.

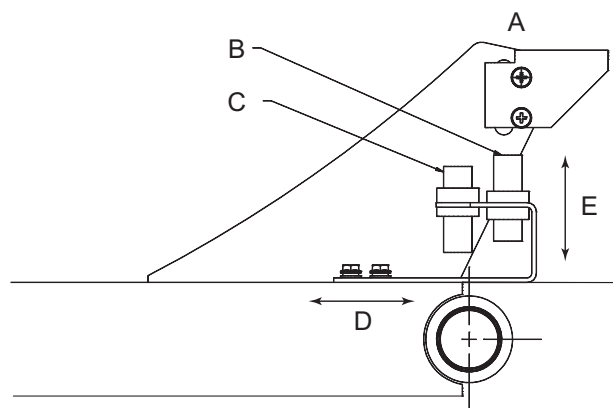
The magnet closest to the lift arm pivot controls the lowering of the lift arm and the magnet closest to the deck controls the raising of the lift arm.

Adjusting the magnet mounting bracket gives course adjustment, fine adjustment is via the individual magnet threads.

NOTE: Adjustment should only be undertaken using the proximity switch test box Ransomes Jacobsen part number 4168600.

Ensure that after any adjustment the blade drive disengages when any part of the blade is raised above 400mm and does not restart until all parts of the blade are below 400mm.

NOTE: If a magnet is lost from the bracket, the proximity sensor will not be activated. The system is designed to fail safe resulting in none activation of the cutting circuit.



- A. Magnetic Proximity Switch
- B. Lower Magnet
- C. Raise Magnet
- D. Course Adjustment
- E. Fine Adjustment

9.7 GENERAL INSTRUCTIONS FOR GRAMMER SEATS

- The operating instructions must be read in full before use.
- The driver's seat may only be fitted, serviced and repaired by specialist personnel, in accordance with national regulations and the vehicle manufacturer's fitting instructions.
- The national fitting regulations can be obtained from GRAMMER or from agencies of the company, or from the vehicle manufacturer.
- A correctly functioning and individually adjusted driver's seat is essential to your health.
- Take adequate care of your seat and have it serviced regularly to ensure that it functions correctly.
- The functional checks are to be carried out at least as regularly as vehicle services (see maintenance plan for vehicle).
- These operating instructions should always be kept with the driver's seat. If the seat is passed on to a third party, it must be accompanied by the relevant operating instructions.

Safety instructions

- If you need to connect cables to the vehicle supply network, strictly observe the following instructions:
- Before you connect a seat switch, seat heater or compressor, you must obtain the relevant electrical data for the respective vehicle with reference to voltage, protection and the kind of connections from the manufacturer, from GRAMMER or the company's agencies.

DC	Compressor	Seat Heat/Compressor
12V	10A	20A
24V	10A	15A
48V	10A	10A

Seat Switch - Current Carrying Capacity	
12V DC	10mA (min.)
250V DC	5A (max)

- For safety reasons, the installation and connection to the vehicle supply network must be carried out by authorized specialist personnel only.
- The seat connections must be protected independently of other vehicle components.

Notes Concerning Seat Switch:

Minimum and maximum current carrying capacity for purely resistive load.

In case of inductive or capacitive load, the manufacturer must install a protective circuit breaker for the consumers in the vehicle. If there are any uncertainties, please ask the vehicle manufacturer before making connections.

Driver's seats that have been adjusted incorrectly have a smaller moving area. To prevent damage to the driver's back and to the seat, the seat must be adjusted for the driver's weight before use and before every change of driver.

To prevent injury, no objects should be placed within the moving area of the driver's seat.

Before commissioning of the driver's seat, ensure packaging material has been removed from the seat cushion and the backrest upholstery.

To eliminate any risk of accident, the settings must be checked to ensure they are correctly engaged before the vehicle is driven.

Adjustments must not be made while driving.

After removal of the backrest upholstery, the backrest frame must be supported, for example held in place, before the backrest adjuster is operated. If you fail to do so, there is a danger that the backrest frame may jerk forward and cause injury.

Any changes to the series standard of the seat (for example fitting parts which are not original GRAMMER parts) may impair the safety standard to which it has been tested.

Functions may be impaired, threatening your safety. For this reason, any changes in design of the seat must be approved by GRAMMER.

During the removal and installation of the driver's seat, the corresponding instructions by the specific vehicle manufacturer must be strictly observed!

Do not hold onto the covers for lifting the driver's seats. If you do so anyway, there is an increased risk of injury due to loosening or breaking covers.

Before you remove the driver's seat, disconnect all plug-in connections between the seat and the vehicle supply network. When you replace the plug-in connectors, make sure they are tight to avoid ingress of dust and water.

Seatbelts can be retrofitted to the driver's seat. Seatbelts may only be fitted on the approval of the vehicle manufacturer, as they increase the load in the seat mounting area. Seatbelts must be fitted in accordance with specific national regulations and guidelines, and must be approved by GRAMMER.

Retrofitted seatbelts must be fastened before driving. The seat belt must be replaced after an accident. Where seatbelts are fitted to the driver's seat, the seat and seat mounting must be checked additionally by specialist personnel after an accident has occurred.

Fasteners must be checked regularly for tight seat. If the seat wobbles there may be loose bolts or other faults.

If you notice that the seat does not function correctly (for example a defective seat suspension; improper curvature of the lumbar support or damaged bellows), contact a specialist workshop immediately to arrange for repairs to be carried out. If you fail to do so, your health may be affected and the risk of accident increased.

Before the vehicle is used, switches that might be in the seat (for shutting down mechanical equipment when the driver leaves his/her seat) must be checked for proper function

If malfunctions are detected, the vehicle must not be driven.

– INCREASED RISK OF ACCIDENT –

Loads must not be placed on seats with a built in switch, except for the driver's weight during normal use, as the vehicle may otherwise start to move by itself.

– INCREASED RISK OF ACCIDENT –

If you take off the weight from the seat while driving, this will cause the vehicle to stop.

Do not indent the bellows while there is load on the driver's seat.

– RISK OF CRUSHING –

Make sure that the interior of drivers seat remains free of foreign particles or liquids.

The driver's seat is not watertight and must be protected against splashes of water!

Any conversion or refitting work on a GRAMMER driver's seat must be performed exclusively in authorised workshops by trained or suitably qualified personnel and in adherence with the applicable operating, maintenance and installation instructions and in compliance with all relevant national regulations.

Improper installation and assembly bear the risk of personal injury or property damage and the proper function of the driver's seat or mounted parts can no longer be guaranteed.

Guarantee

GRAMMER can provide no guarantee for damage resulting from incorrect assembly, use or repair of the driver's seats.

Further details on the guarantee granted by GRAMMER are stated on the invoice or the delivery note. Warranty claims against GRAMMER beyond the guarantee obligations described there are excluded.

9.8 SEAT (GRAMMER MSG85)

The seat can be adjusted for leg reach, back rest angle and operator weight to provide a comfortable position for operating the machine.

A. FORE AND AFT ADJUSTMENT

To Adjust:

The position of the adjusting lever (A) is on the right hand side of the seat below the seat cushion. By pulling the lever up, the seat can be slid backwards and forwards, when in the desired position release the lever to locate in one of the pre set positions.

B. BACK REST ADJUSTMENT

To Adjust:

The position of the release lever (B) is on the left hand side of the seat. While sitting on the seat pull the release lever upwards to release the back rest. (The back rest is spring loaded to fold onto the seat cushion.) Lean back to obtain the desired position for the back rest and release the lever to locate in one of the pre set positions.

C. WEIGHT ADJUSTMENT

To Adjust:

The position of the operator weight adjust lever (C) is on the front of the seat. To change the operator weight sitting pull the lever out and rotate the lever while sitting on the seat.

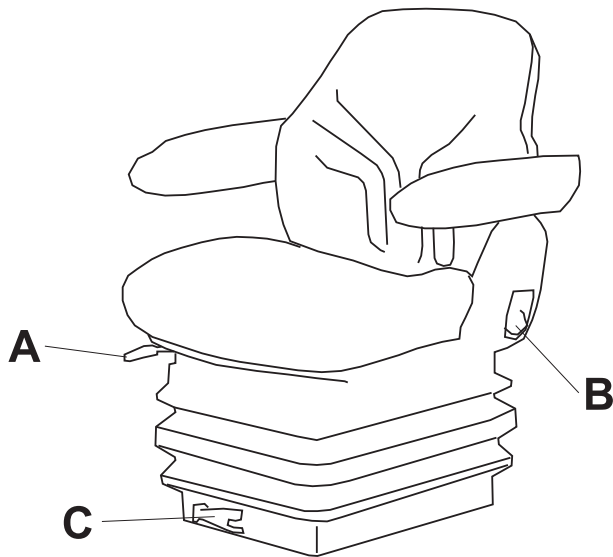
D. HEIGHT ADJUSTMENT

To adjust:

When sitting on the seat the height can be adjusted by holding the edge of the seat cushion, pushing your weight down and lifting as the cushion as the suspension returns to its normal position. There are three pr-set positions, once the highest has been achieved the seat returns to its lowest position.

NOTE: The seat is fitted with a microswitch to sense operator presence.

When the machine is fitted with an ROPS frame or ROPS cab a lap belt is fitted and should be worn at all times



9.9 AIR SUSPENSION SEAT (GRAMMER MSG75 -521)**9.9.1 WEIGHT ADJUSTMENT**

The seat is adjusted for the driver's weight by pulling or pressing the lever for seat weight adjustment and with the driver sitting on the seat.

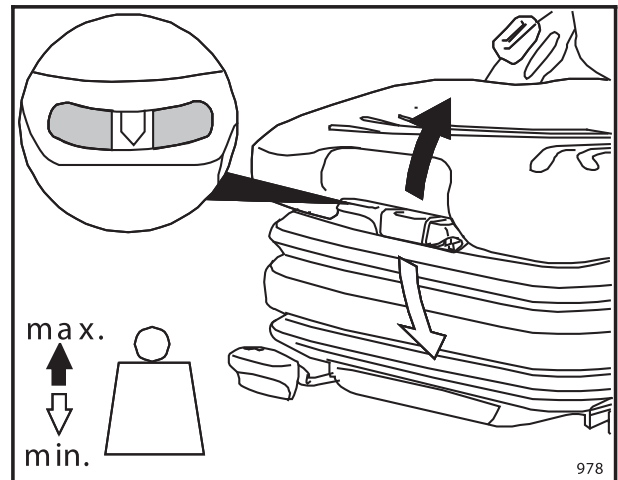
The driver's weight is adjusted correctly when the arrow is in the middle clear area of the viewing window.

Within this viewing area, the individual height can be adjusted to a minimum spring movement.

When the minimum/maximum weight adjustment has been reached, you can hear it reaching the upper or lower end stop.

To prevent damage to the health and material, the setting for the driver's weight must be checked and adjusted individually before the vehicle is driven.

In order to avoid compressor damage during weight adjustment, the compressor must be operated no longer than 1 minute.

**9.9.2 FORE/AFT ADJUSTMENT**

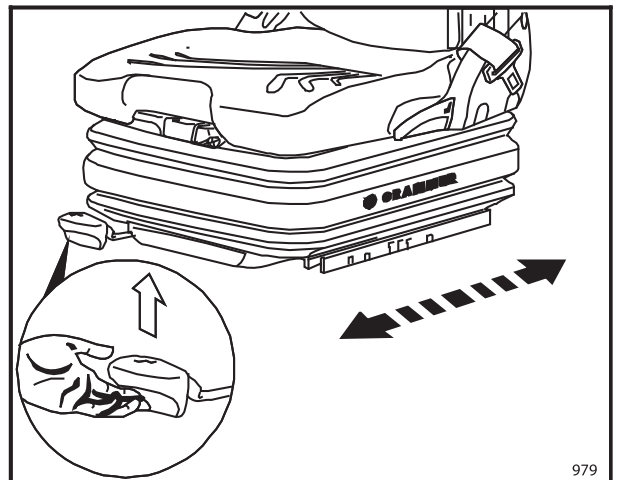
The fore/aft adjustment is released by lifting the locking lever.

WARNING! Risk of accident!
Do not operate the locking lever while driving.

WARNING! Risk of crushing!
Only touch the lever at the indented grip, do not reach back under the lever.

After the adjustment, the locking lever must latch into the desired position with an audible click. It should not be possible to move the driver's seat into another position when it is locked.

Do not lift the locking lever with your leg or calf.

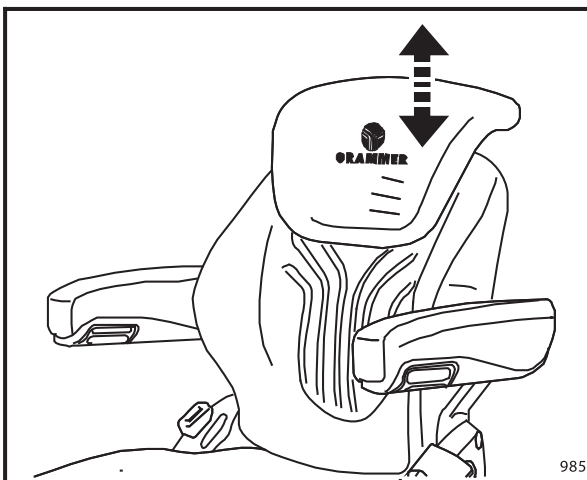


9.9.3 BACKREST EXTENSION * **

The backrest extension can be individually adjusted by pulling it upwards or pushing it downwards over the various locking increments up the end stop.

To remove the backrest extension, pull it upwards over the end stop.

- * If Fitted
** Optional Extra

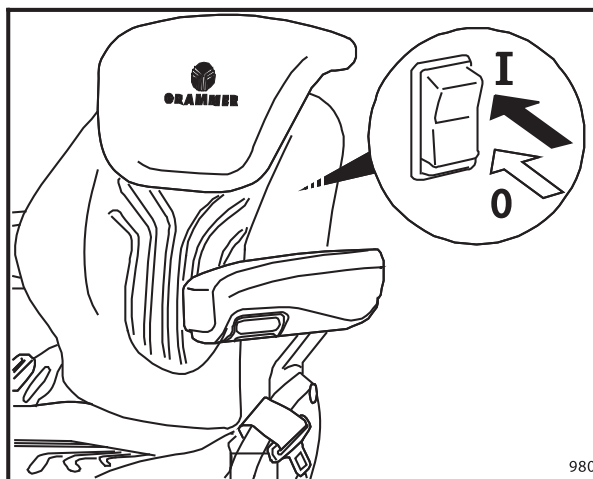
**9.9.4 SEAT HEATER * ****

The seat heater can be turned on/off by pressing the switch.

0 = seat heater OFF

I = seat heater ON

- * If Fitted
** Optional Extra

**9.9.5 LUMBAR SUPPORT**

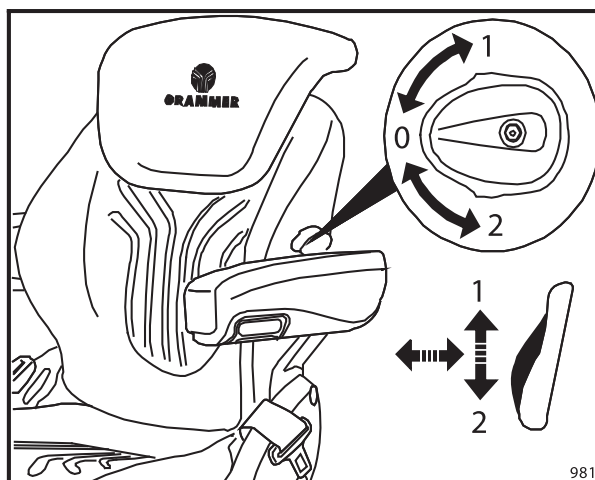
The lumbar support increases both the seating comfort and the performance of the driver.

By turning the adjustment knob upwards, the curvature in the upper part of the backrest cushion can be adjusted. By turning the knob downwards, the curvature in the lower part of the backrest cushion can be adjusted.

0 = No curvature

1 = Max. curvature at the top

2 = Max. curvature at the bottom



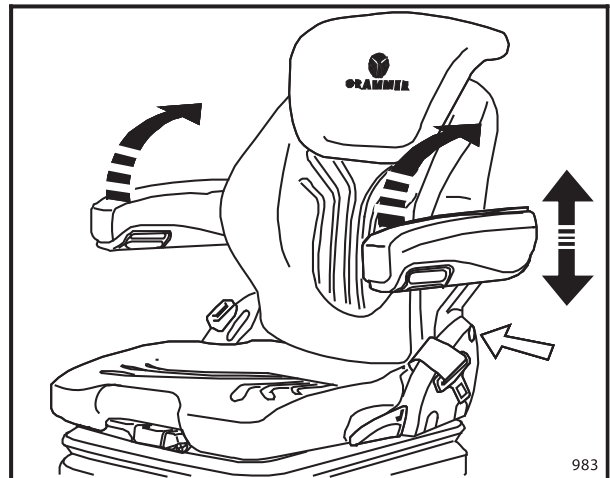
9.9.6 ARMRESTS * **

The armrests can be folded up if required and the height individually adjusted.

To adjust the armrests for height, separate the round cap (see arrow) from the cover, loosen the hexagon nut (size 13 mm) behind it and adjust the armrests to the desired position (5-steps) and tighten the nut again.

Replace the cap onto the nut.

* If Fitted
** Optional Extra



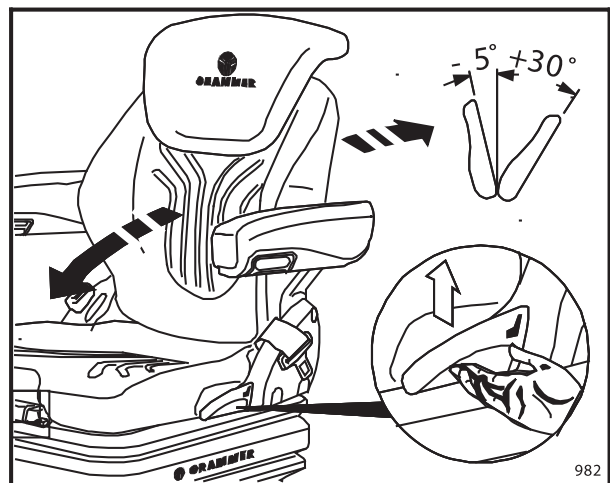
983

9.9.7 ARMREST ADJUSTMENT *

The inclination of the armrests can be modified by turning the adjustment knob.

When turning the knob to the outside (+) the front part of the armrest will be lifted, when turning the knob to inside (-) it will be lowered.

* If Fitted
** Optional Extra



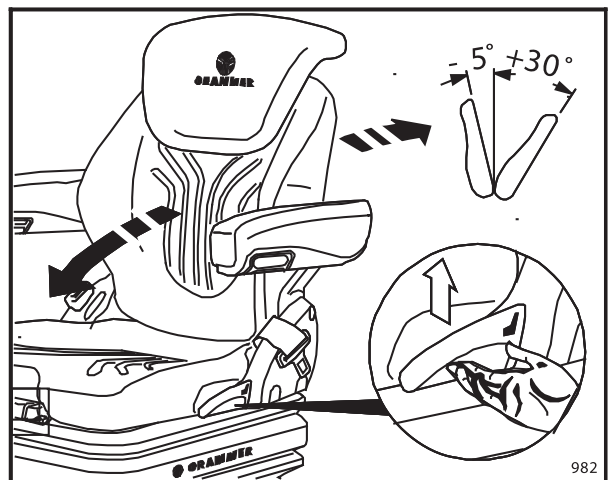
982

9.9.8 BACKREST ADJUSTMENT

Moving the locking lever upwards loosens the notching of the backrest adjustment.

After the adjustment, the locking lever must latch into the desired position. It should not be possible to move the backrest into another position when it is locked.

For an ergonomic use the backrest can be adjusted in a range of -5 to +30 degrees (15 steps of 2.5 degrees each).



982

9.9.9 MAINTENANCE

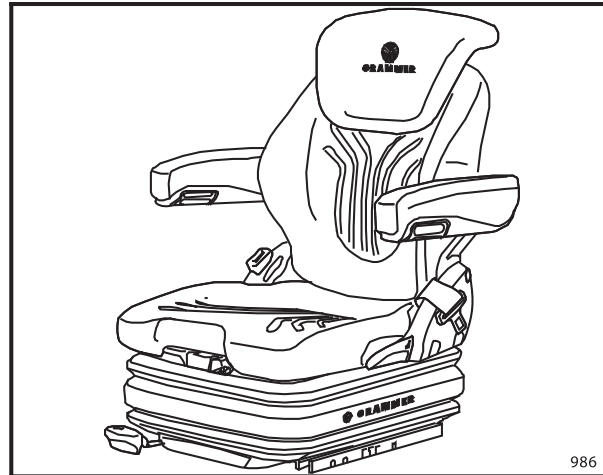
Dirt can impair the function of the seat, so make sure you keep your seat clean! Upholstery does not need to be removed from the seat frame for cleaning.

Caution: Take care with the backrest - it may jerk forward and cause injury! When cleaning the backrest cushion the backrest must be held in place when operating the backrest lever.

Attention: Do not clean the seat with a pressure washer!

During cleaning the upholstery should not be soaked through.

Use a standard commercially available upholstery or plastic cleaning agent. Test first for compatibility on a small, concealed area.



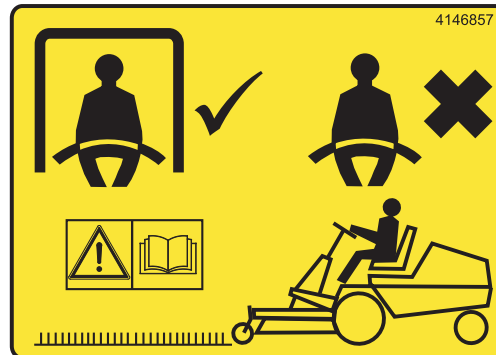
986



When the machine is being used off road, whether cutting grass or not, the seat belt should only be worn when a ROPS frame is in place and deployed.

This rationale is based on the fact that a seat belt must be worn with a ROPS to comply with the Machinery Directive 98/37/EC sections 3.2.2, Seating & 3.4.3, Rollover.

Ransomes Jacobsen Limited recommends that a local risk assessment is completed by the owner/ user of the machine to determine any exceptions to this seat belt wearing rule. e.g. use of the machine next to water or on the highway.



10.1 152 cm REAR DISCHARGE DECK

Kit number LMAC266.

10.2 183 cm REAR DISCHARGE DECK

Kit number LMAC267.

10.3 152 cm MULCHING DECK

Kit number LMAC294.

**10.4 152 cm MULCHING DECK
CONVERSION KIT**

Kit number LMAC293.

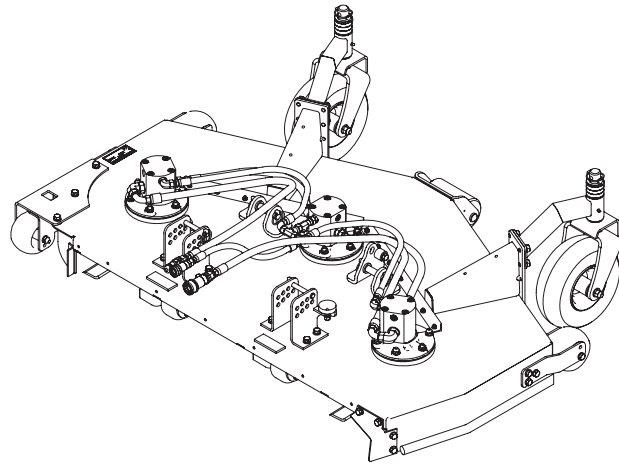
To convert a standard 152 cm rear discharge deck to a mulching deck.

10.5 160cm SIDE DISCHARGE DECK

Kit number LMAC320

10.6 FLAIL MOWER

Kit number LMAC295

**10.7 ROPS CAB KIT**

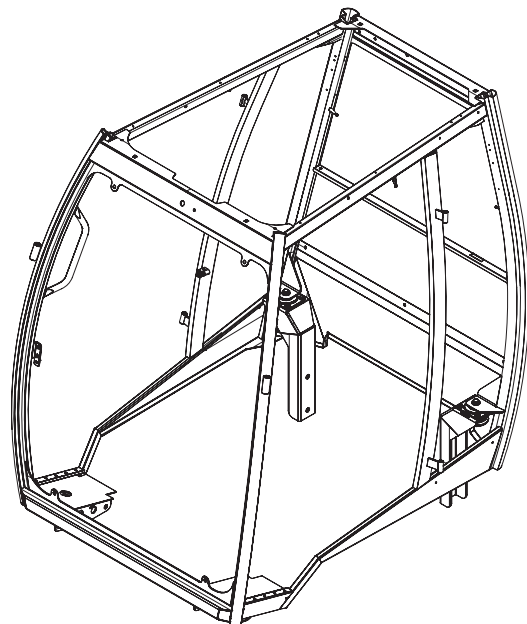
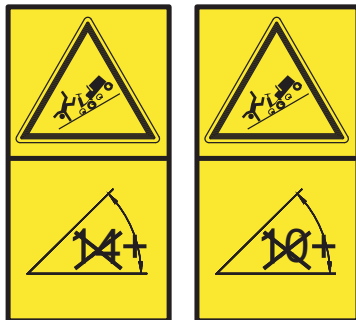
Kit number LMAC258.

Complete with weight kit (64.4 kgs).

OECD code 7 compliant

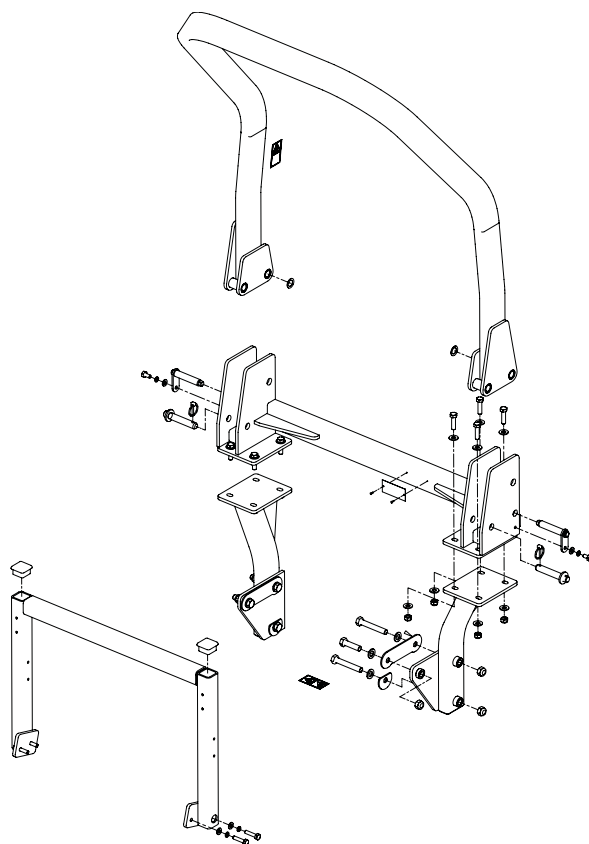
Stability angle with rotary cutter deck 14°

Stability angle with rotary brush 10°

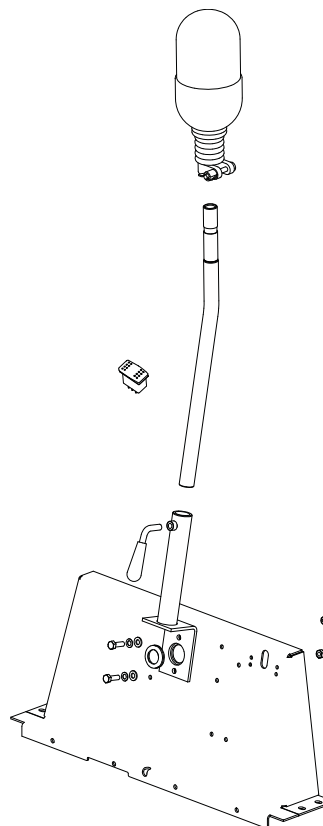


10.8 ROPS FRAME

Kit number LMAC259.
OECD code 4 compliant.
Stability angle rotary cutter deck 12°

**10.9 ROTARY BEACON KIT**

Kit number LMAC290.



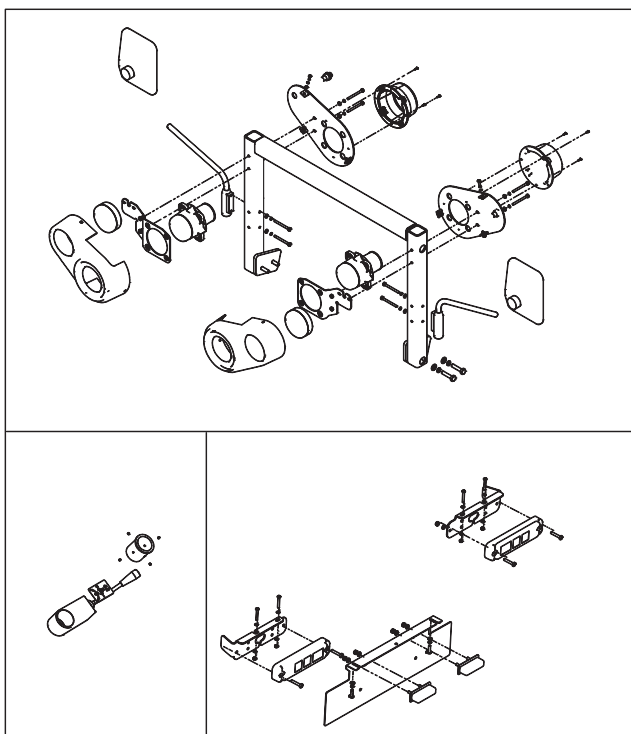
10.10 LIGHT KIT

kit Number LMAC260 for 152cm decks.

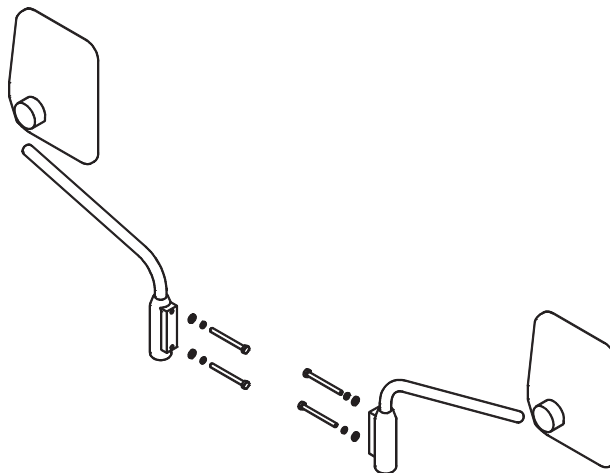
kit Number LMAC297 for 160cm & 183cm decks.

storage Racks, kit number LMAC272 are included in the Light Kit.

Maximum capacity per rack is 5kg.

**10.11 MIRROR KIT**

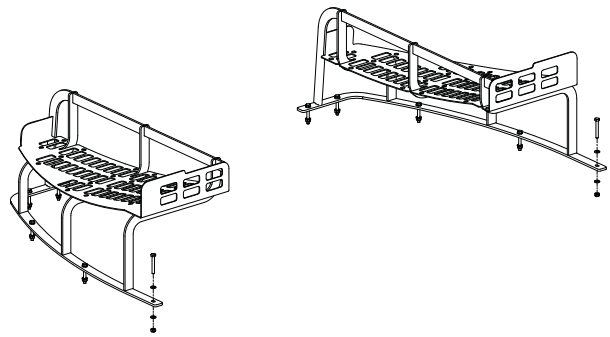
Kit number LMAC270.



10.12 STORAGE RACKS

Kit number LMAC272.

Maximum capacity per rack is 5kg.

**10.13 STORAGE POD**

Kit number LMAC271

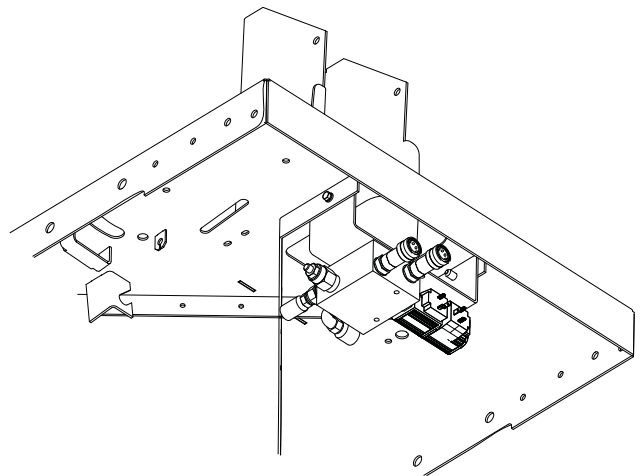
Cannot be used with ROPS cab fitted.

10.14 AUXILIARY HYDRAULIC SERVICES KIT

Kit number LMAC307

Fitting Instructions 24836G

This kit is for use with approved third party attachments. Refer to price list for details.



10.15 ROTARY BRUSH

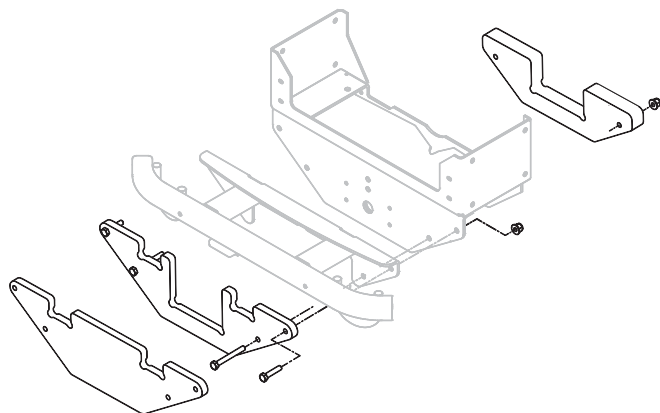
Kit number LMAC322
Fitting Instructions 24844G

**10.16 SNOW BLADE**

Kit number LMAC268
Fitting Instructions 24845G

**10.17 WEIGHT KIT**

For Rotary brush
33.2 kgs Kit number LMAC269



10.18 E STOP KIT

Kit number LMAC291

10.19 SLAVE BATTERY LEAD KIT

Kit number LMAC292

11.1 TROUBLESHOOTING GENERAL

Symptoms	Possible Causes	Action
Engine will not start	Glow plug has not timed out	Reset ignition switch and allow glow plug to time out before cranking engine.
	Battery low on charge or defective.	Inspect condition of battery and battery connections.
	Fuel tank empty or fuel contaminated.	Fill tank with fresh fuel. Change filter, Bleed air from lines.
	Blown fuse.	Replace Fuse.
	Defective starter relay.	Test and replace relay if necessary.
	Brake switch is not on.	Ensure brake switch is on.
	Mow switch set to cut.	Set mow switch to off.
	Transport pedal not in neutral.	Remove foot from pedal, cheek pedal returns to the neutral position.
Engine hard to start or runs poorly.	Fuel tank empty or fuel contaminated.	Fill tank with fresh fuel. Change filter, Bleed air from lines.
	Air Cleaner blocked or dirty.	Check air cleaner, replace as necessary.
	Injectors, fuel pump.	Consult engine manual.
	Other Engine Problem.	Consult engine troubleshooting guide.
Engine Stops	Fuel tank empty.	Fill with fresh fuel and bleed lines.
	Interlocks not set before leaving operators seat.	Ensure Parking Brake is on & Mow switch is in the off position.
Engine Overheating	Coolant level low.	Inspect and add 50/50 antifreeze solution if required
	Radiator air intake restricted.	Clean wire mesh guard at radiator.
	Waterpump/alternator belt or fan belt loose or broken.	Inspect waterpump/alternator belt and fan belt. Tighten if necessary.
Battery not holding charge. Battery light on	Loose or corroded battery terminals.	Inspect terminals, clean and tighten as required.
	Low electrolyte level in battery.	Refill battery with distilled water.
	Alternator belt loose or broken.	Inspect waterpump/alternator belt. Tighten if necessary.
	Alternator defective.	See engine manual.
Decks cut unevenly Poor quality of cut.	Cutting blades are worn.	Replace blades.
	Engine speed too low.	Check engine speed, run engine at full throttle.
	Cutter motors worn.	Check case drain leakage & flow check cutting circuit.
	Ground speed too high.	Set work speed stop.

12 QUALITY OF CUT

12 QUALITY OF CUT TROUBLESHOOTING

It is recommended that a “test cut” be performed to evaluate the mower’s performance before beginning repairs.

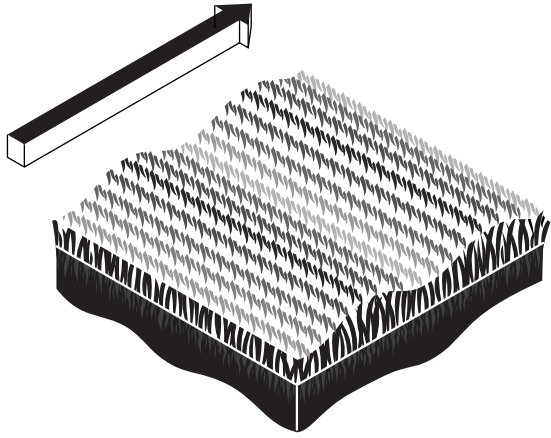
An area should be available where “test cuts” can be made. This area should provide known and consistent turf conditions to allow accurate evaluation of the mower’s performance.

Another “test cut” should be performed after the completion of the repairs and/or adjustments to verify the mower’s performance.

Before performing a “test cut” to diagnose cut appearance and mower performance, the following items should be verified to ensure an accurate “test cut.”

1. Mowing (Ground) Speed
2. Blade Sharpness
3. Height-of-Cut (HOC)
4. Roller and Roller Bearing Condition
5. Blade Speed

12.1 WASHBOARDING



Washboarding is a cyclical pattern of varying cutting heights, resulting in a wave-like cut appearance. In most cases, the wave tip-to-tip distance is approximately 6—8 in. (15—20 cm). Colour variation (light-to-dark) may also be noticed.

This condition is usually caused by a rocking motion in the cutting unit(s). This condition is found mostly on mowers with multiple (suspended) cutting units, but other causes can produce the same result.

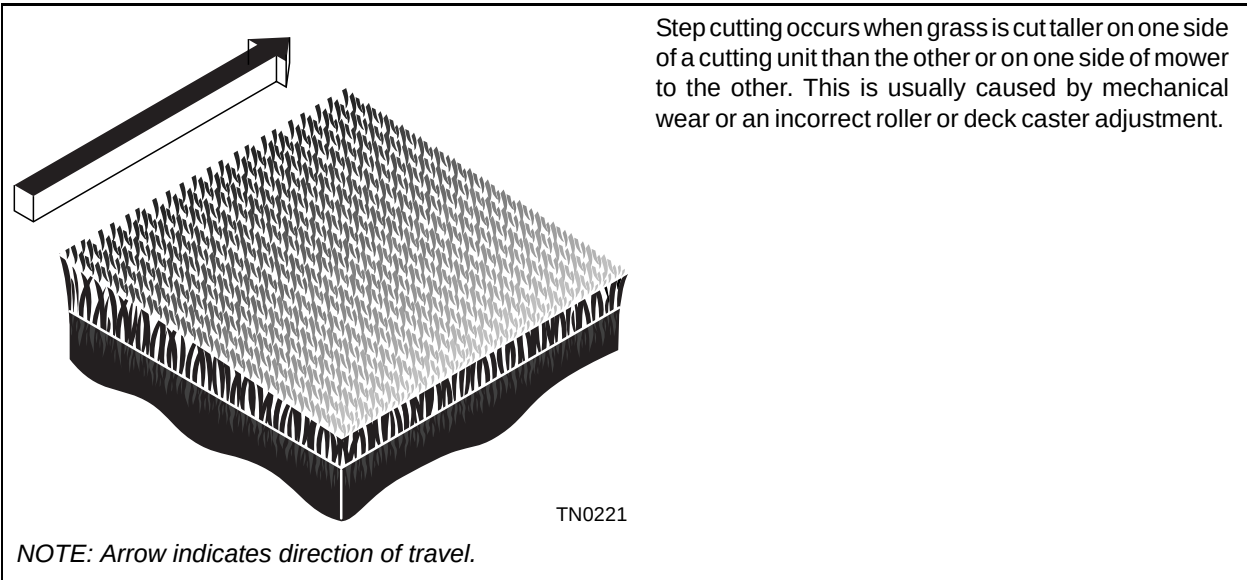
Washboarding may also be caused by variations in the turf.

TN0159

NOTE: Arrow indicates direction of travel.

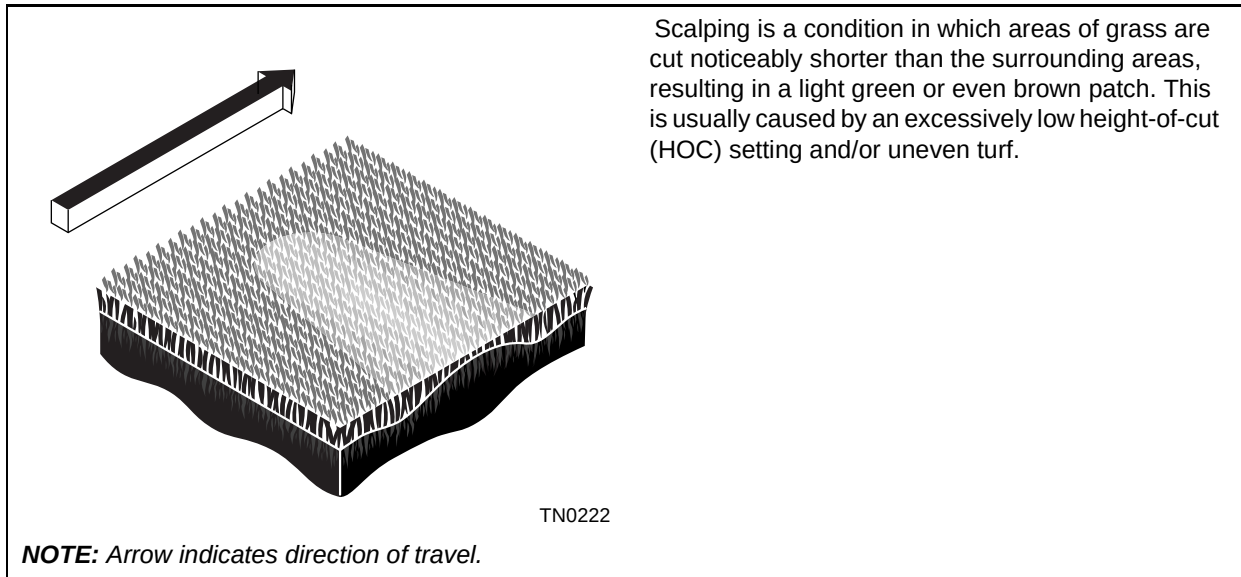
Probable Cause	Remedy
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.
Grass build-up on roller.	Clean the roller and scraper.
Roller is out of round.	Replace roller.
Mowing in the same direction.	Change mowing direction regularly.
Cutting units have too much or too little weight on them.	Use weight transfer switch to transfer weight on or off cutting units. (Refer to Maintenance Section.)
Insufficient engine speed, not set to specification.	Check/adjust engine speed. (Refer to Maintenance Section.)
Hydraulic system and/or rotary drive motor performance is reduced.	Check hydraulic system performance (pump output, motor operation, valve operation, relief valve settings, etc.).

12.2 STEP CUTTING



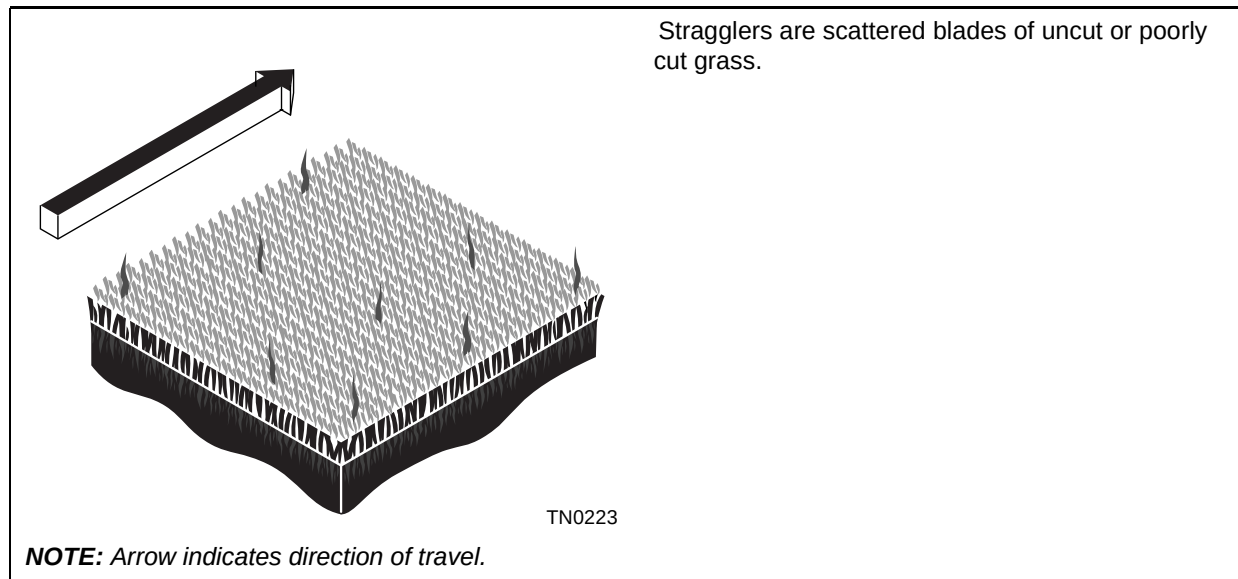
Probable Cause	Remedy
HOC (height-of-cut) settings are different from one side of a cutting unit to the other or from one cutting unit to another.	Check HOC adjustment of cutting units. (Refer to Parts & Maintenance Manual.)
Worn roller bearings or deck caster wheels.	Check/replace roller bearings and/or deck caster wheels.
Cutting unit movement is restricted.	Check/remove cutting unit movement restriction.
Variations in turf density	Change mowing direction.
Machine ride height is uneven side to side.	Check/adjust proper tire inflation pressure. (Refer to Parts & Maintenance Manual.)
Cutting unit height is uneven side to side.	Check/adjust for even mower weight distribution.

12.3 SCALPING



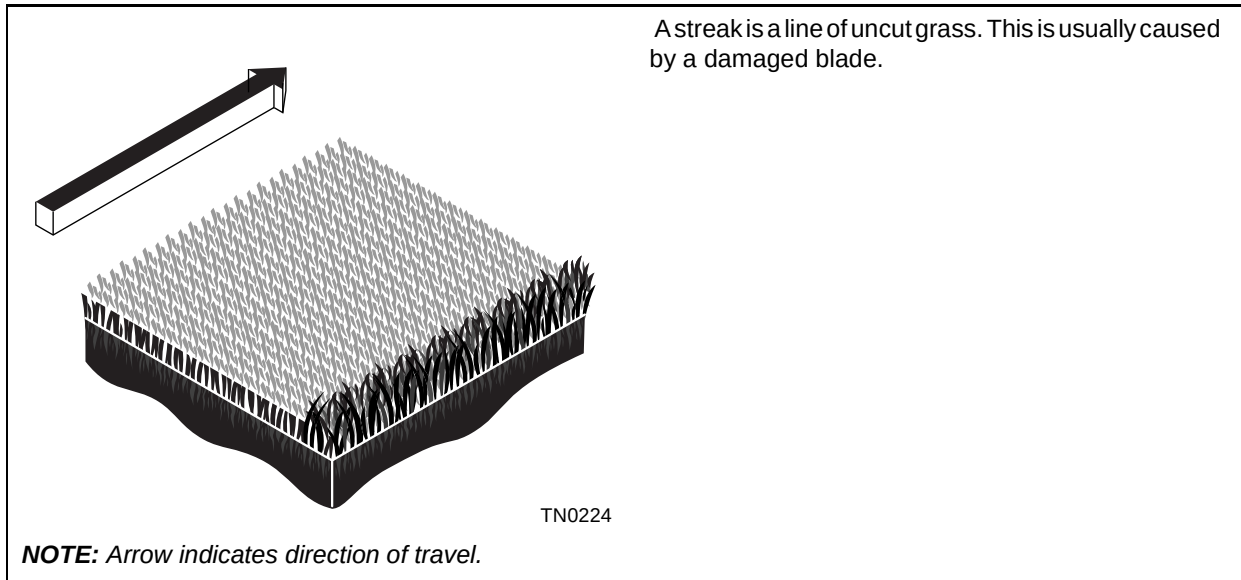
Probable Cause	Remedy
HOC (height-of-cut) settings are lower than normal.	Check/adjust the HOC settings.
Turf too uneven for the mower to follow.	Change mowing direction.
Cutting too much grass at one time.	Mow more often.
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.

12.4 STRAGGLERS



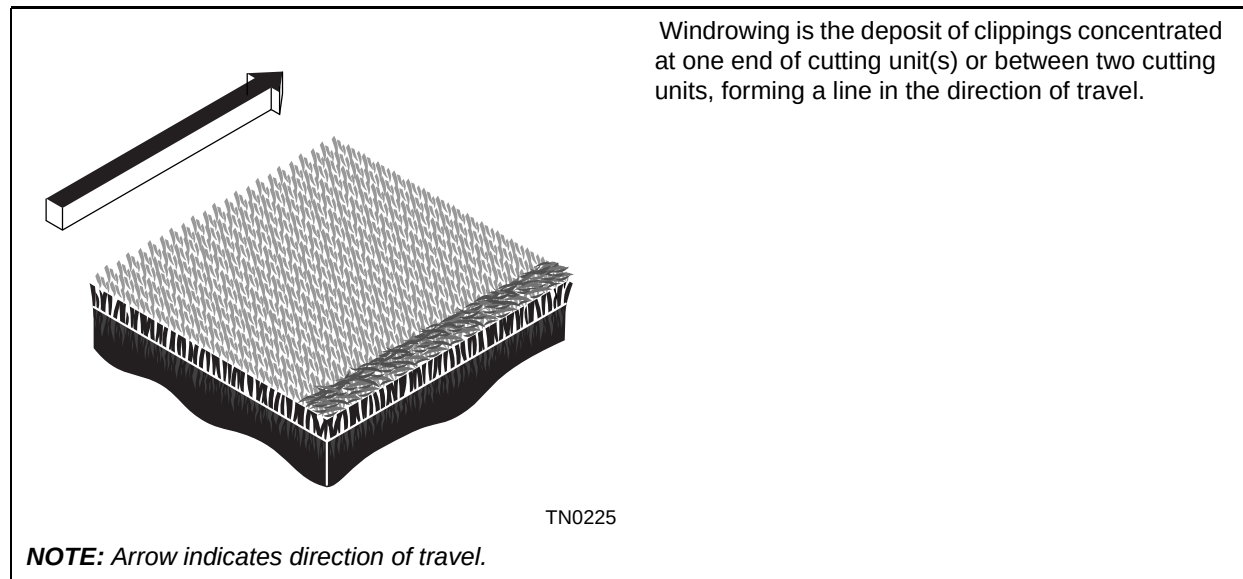
Probable Cause	Remedy
Dull cutting blades(s).	Sharpen or replace blade.
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.
Grass is too tall.	Mow more often.
Mowing in the same direction.	Change mowing direction regularly.

12.5 STREAKS



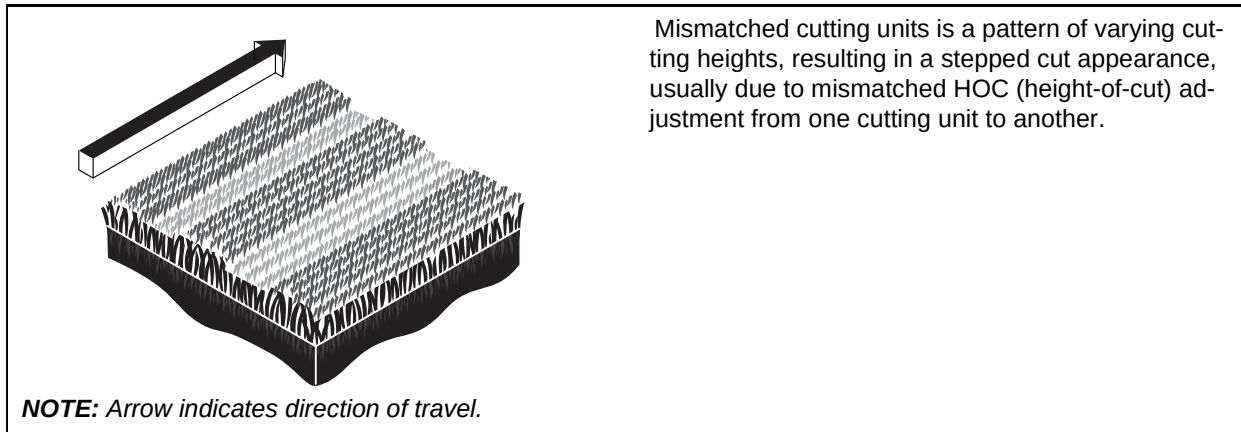
Probable Cause	Remedy
Damaged blade(s).	Replace blade(s).
Turning too aggressively. Cutting units don't overlap during turns or on side hills.	Turn less aggressively to allow cutting units to overlap. Change mowing direction or pattern on side hills.
Tire mats down grass before it is cut.	Check/adjust tire inflation pressure. (Refer to Maintenance Section.)
Wet grass is matted down before it is cut.	Cut when grass is dry.
Tire mats down grass before it is cut.	Check/adjust tire inflation pressure.
Wet grass is matted down before it is cut.	Mow when grass is dry.

12.6 WINDROWING



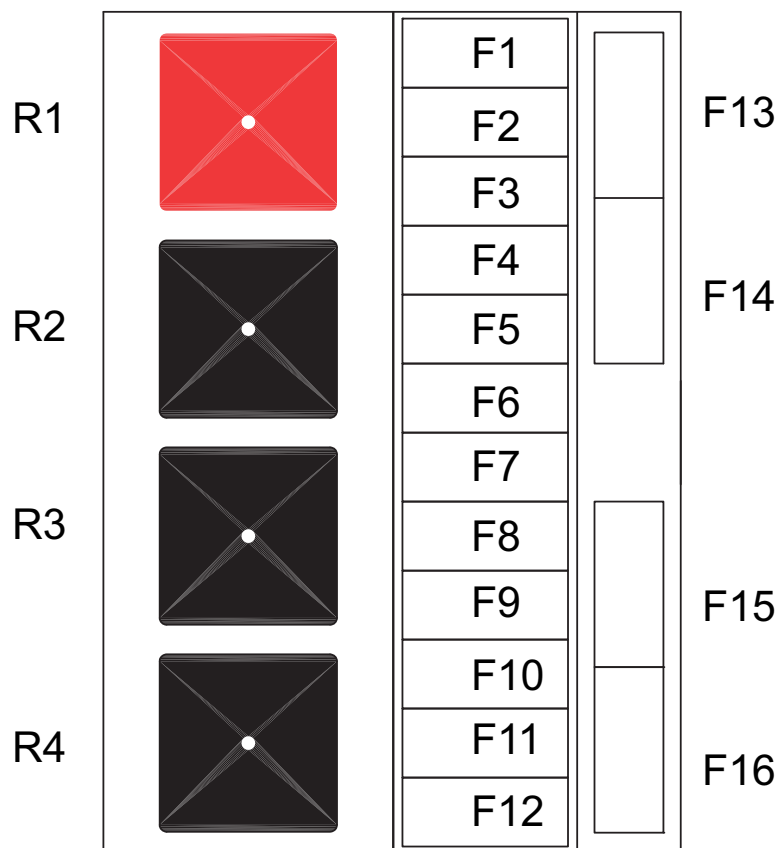
Probable Cause	Remedy
Grass is too tall.	Mow more often.
Mowing while grass is wet.	Mow when grass is dry.
Grass built up on roller(s).	Clean roller(s) and scraper(s).
Grass collecting on bedknife.	Adjust reel-to-bedknife setting.

12.7 MISMATCHED CUTTING UNITS



Probable Cause	Remedy
HOC inconsistent from one cutting unit to another.	Check/adjust HOC on cutting units to same height. (Refer to Maintenance Section.)
Difference in rotary cutting unit speeds.	Check operation of rotary cutting motor(s) and repair/replace as necessary.
Difference in mower ride height side to side.	Check/adjust tire inflation pressure. (Refer to Maintenance Section.)
	Check/adjust for even mower weight distribution.

13.1 ELECTRICAL FUSES & RELAYS



REAR VIEW

13.1 ELECTRICAL FUSES & RELAYS

FUSE NO.	RATING	FUNCTION
1	5 Amp	Left Hand Side Lamps
2	5 Amp	Right Hand Side Lamps
3	10 Amp	Left Hand Head Lamps
4	10 Amp	Right Hand Head Lamps
5	5 Amp	Beacon
6	10 Amp	Controller Supply
7	2 Amp	Ignition ON Circuits
8	10 Amp	Direction Indicators
9	10 Amp	Hazard Lamps
10	5 Amp	Brake Light
11	15 Amp	Parking Brake Solenoid
12	15 Amp	Air Suspension Seat Supply
13	10 Amp	Spare (Ignition)
14	20 Amp	Lights Master
15	10 Amp	Horn
16	2 Amp	Accessory Socket

RELAY	FUNCTION
R1	LED Flasher Unit
R2	Glow Plug
R3	Master
R4	Starter Solenoid Control

14.1 TORQUES

FINE PITCH METRIC THREADS					
Dia (mm)	Grade 4.6	Grade 4.8	Grade 8.8	Grade 10.9	Grade 12.9
	(Nm)	(Nm)	(Nm)	(Nm)	(Nm)
6	0	0	0	0	0
8	12	16	32	45	54
10	24	31	63	88	106
12	42	57	113	159	191
14	67	90	179	252	302
16	103	137	274	385	462
20	209	279	557	783	940
22	281	375	750	1055	1266
24	354	472	944	1327	1593
27	514	686	1371	1928	2314
30	715	954	1908	2683	3219
33	964	1286	2572	3616	4340
36	1196	1594	3189	4484	5381

COARSE PITCH METRIC THREADS					
Dia (mm)	Grade 4.6	Grade 4.8	Grade 8.8	Grade 10.9	Grade 12.9
	(Nm)	(Nm)	(Nm)	(Nm)	(Nm)
6	5	6	12	17	21
8	11	15	30	42	51
10	22	30	59	84	100
12	39	52	104	146	175
14	62	82	165	232	278
16	96	129	257	362	434
20	188	251	502	706	847
22	256	341	683	960	1152
24	325	434	868	1220	1464
27	476	635	1269	1785	2142
30	646	862	1723	2424	2908
33	822	1097	2193	3084	3701
36	1129	1506	3012	4235	5082

UNF THREADS					
Dia (in)	Grade A	Grade S	Grade T	Grade V	Grade X
	(lbf. ft)	(lbf. ft)	(lbf. ft)	(lbf. ft)	(lbf. ft)
1/4	3.8	10.4	11.3	14.3	17.3
5/16	7.7	20.8	22.5	28.5	34.5
3/8	13.9	37.7	40.7	51.6	62.5
7/16	21.9	59.5	64.2	81.4	98.6
1/2	33.7	91.5	98.7	125	152
9/16	48.2	131	141	179	217
5/8	67.4	183	197	250	303
3/4	118	319	344	437	529
7/8	188	509	550	697	845
1	279	757	817	1036	1255
1 1/8	405	1099	1186	1504	1823
1 1/4	563	1529	1650	2093	2535
1 3/8	759	2061	2224	2821	3418

UNC THREADS					
Dia (in)	Grade A	Grade S	Grade T	Grade V	Grade X
	(lbf. ft)	(lbf. ft)	(lbf. ft)	(lbf. ft)	(lbf. ft)
1/4	3.4	9.2	9.9	12.6	15.2
5/16	7	18.9	20.4	25.8	31.3
3/8	12.3	33.5	36.1	45.8	55.5
7/16	19.7	53.5	57.8	73.2	88.7
1/2	30.1	81.6	88	112	135
9/16	43.3	117	127	161	195
5/8	59.8	162	175	222	269
3/4	106	288	310	394	477
7/8	171	464	500	635	769
1	256	695	749	950	1152
1 1/8	363	984	1062	1347	1632
1 1/4	511	1387	1497	1899	2300
1 3/8	670	1820	1963	2490	3017

GUARANTEE

We GUARANTEE that should any defect in workmanship or material occur in the goods within TWO YEARS or two thousand hours (on models equipped with hour meters), or whichever occurs first. Exception to this warranty will be Aeration products, which are covered for a period of TWO-YEARS or five hundred hours (on models equipped with hour meters) or whichever occurs first.

We will repair, or at our option, replace the defective part without making any charge for labour or for materials, provided that the claim under this guarantee is made through an authorised dealer and that the defective part shall, if we so request, be returned to us or to the dealer.

This guarantee is in addition to, and does not exclude, any condition or warranty implied by law, except that we accept no liability in respect of used/second-hand goods, or in respect of defects which in our opinion are in any way or to any extent attributable to misuse, lack of reasonable care or ordinary wear and tear, or to the fitting of spares, replacements, or extra components which are not supplied or approved by us for the purpose. The use of non-recommended oil or lubricant nullifies the guarantee.

Damage through transport or normal wear does not come under the guarantee.

The warranty is extended to the original purchaser only and is not transferable to subsequent owners. The warranty period begins on the date the product is delivered to the end user (customer), unless otherwise agreed with the manufacturer. At the end of the first year the owner must have the product serviced by an authorised dealer to be eligible for the second year of warranty coverage.

SALES & SERVICE

A network of authorised Sales and Service dealers has been established and these details are available from your supplier.

When service attention, or spares, are required for the machine, within or after the guarantee period your supplier or any authorised dealer should be contacted. Always quote the registered number of the machine.

If any damage is apparent when delivery is made, report the details at once to the supplier of the machine.

KEY NUMBERS. It is recommended that all key numbers are noted here:

Starter Switch :-

Diesel tank :-

It is also recommended that the machine and engine numbers are recorded.

The machine serial number is located on the registration plate and the engine serial number can be found on the rocker cover.

Machine Number :-

Engine Number :-



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