



Climber

9.22

**OPERATOR'S MANUAL
MANUALE DELL'OPERATORE
MANUAL DE INSTRUCCIONES**

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SAFETY RULES

This symbol alongside messages and instructions in this manual and on the machine indicates a potential danger; care must be taken so ensure your own safety and that of anyone within the machine's range of operation.

BEWARE! This machine has been manufactured to European standards and carries the CE mark.

NORME ANTINFORTUNISTICHE

Sulla macchina ed all'interno di questo manuale sono presenti scritte ed indicazioni accompagnate da questo segnale, stanno ad indicare la presenza di un potenziale pericolo per cui è opportuno utilizzare una particolare prudenza per la propria sicurezza e di quanti si possono trovare nel raggio di azione della macchina.

ATTENZIONE! Questa macchina è costruita secondo le normative europee ed è certificata col marchio CE.

RÈGLES DE SÉCURITÉ GÉNÉRALE

Sur la machine et sur les pages de ce manuel se trouvent des mises en garde et des indications accompagnées de ce signal; elles indiquent la présence d'un danger potentiel qui explique la nécessité d'être particulièrement prudent pour sauvegarder sa propre sécurité et la sécurité de tous ceux qui peuvent se trouver dans le rayon d'action de la machine.

ATTENTION! Cette machine est fabriquée selon les directives européennes et est certifiée par le label CE

SICHERHEITSVORSCHRIFTEN

Auf der Maschine und in diesem Handbuch finden Sie Beschriftungen und Hinweise mit dem hier abgebildeten Symbol. Sie weisen auf eine potentielle Gefahr hin, und Sie sollten besonders gefahrenbewusst vorgehen, um unnötige Risiken für sich selbst und andere Personen, die sich im Aktionsbereich der Maschine befinden, auszuschließen.

ACHTUNG! Diese Maschine entspricht den europäischen Richtlinien und ist mit dem CE Zeichen zertifiziert.

NORMAS DE SEGURIDAD

En la máquina y dentro de este manual hay leyendas e indicaciones acompañadas por esta señal que indican la presencia de un peligro potencial o la necesidad de adoptar una prudencia mayor para la seguridad propia y de los que se encuentran en el radio de acción de la máquina.

¡ATENCIÓN! Esta máquina es fabricada según las normas europeas y es certificada con la marca CE.

NORMAS DE PRECAUÇÃO CONTRA ACIDENTES

Na máquina e neste manual, estão presentes escritas e indicações acompanhadas por este sinal. Estas chamam a atenção do Operador para a presença de um risco potencial. Portanto, recomenda-se a máxima atenção para garantir a própria segurança e a de terceiros, que possam estar no raio de acção da máquina.

ATENÇÃO! Esta máquina foi construída em conformidade com as normas europeas e está certificada com a marca CE



GENERAL SECURITY RULES

NORME DI CARATTERE GENERALE SULLA SICUREZZA

SICHERHEITSHINWEISE

RÈGLES GÉNÉRALES DE SÉCURITÉ

NORMAS DE CARÁCTER GENERAL SOBRE LA SEGURIDAD

NORMAS DE CARÁCTER GENERAL ACERCA DA SEGURANÇA

Pay attention to symbol **DANGER!** It points out all most dangerous operations according to the situation. All safety rules are important and therefore must be strictly observed. Always keep this handbook within the reach, read it carefully and learn how to use the equipment in a safe way. Let nobody, not provided with necessary information, work with the equipment.

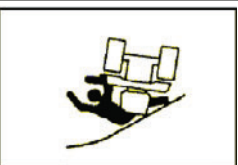
Fare attenzione al simbolo **PERICOLO!** Esso indica la presenza delle principali situazioni di pericolo. Tutte le norme antinfortunistiche contenute sono importanti e vanno rispettate. Tenere sempre questo manuale a portata di mano, leggerlo attentamente ed imparare ad usare l'attrezzatura in modo sicuro. Non permettere che qualcuno operi con questa attrezzatura senza aver ricevuto istruzioni esaurienti.

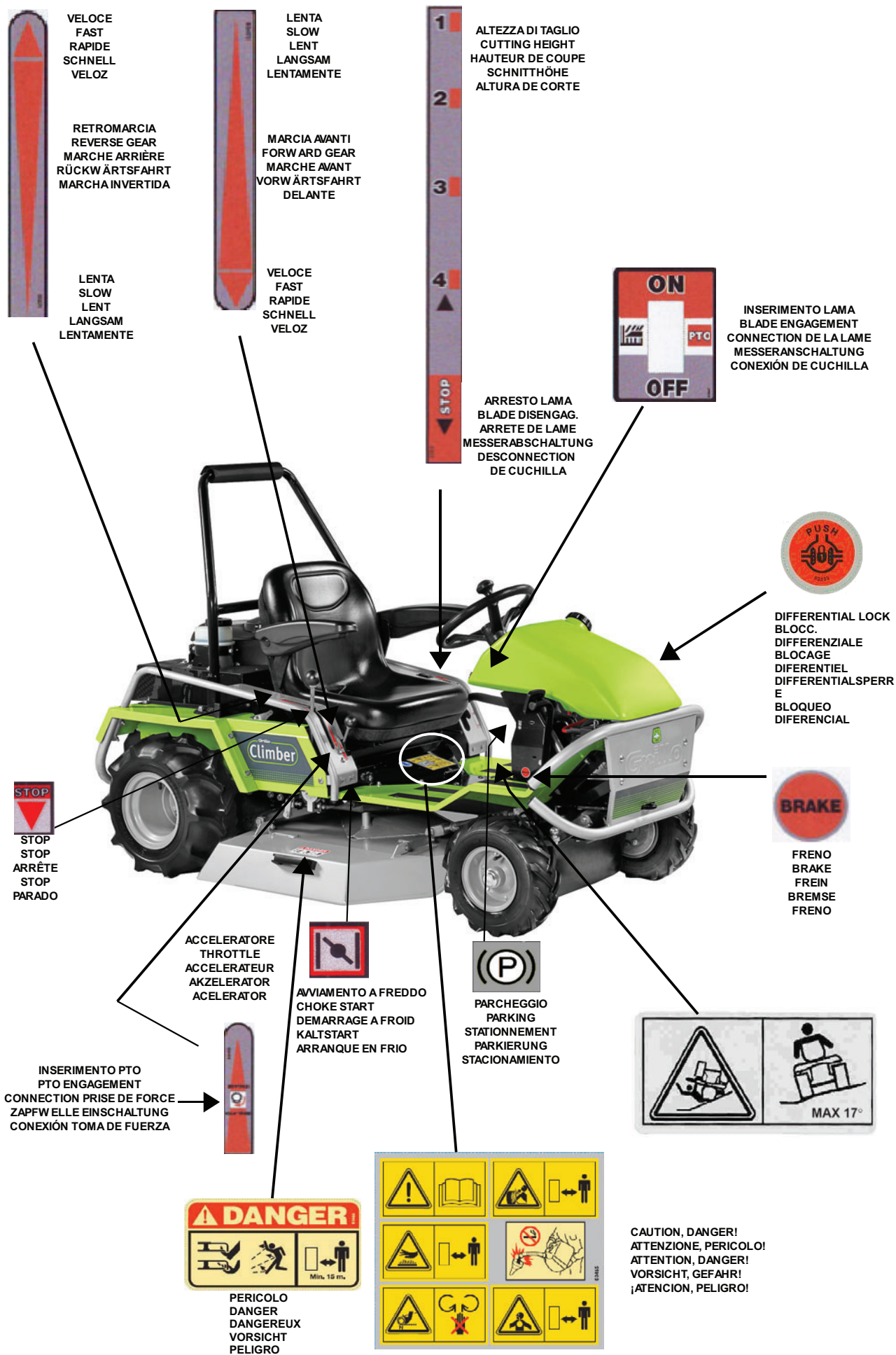
Attention au symbole **DANGER!** Il indique la présence des principales situations de danger. Toutes les normes contenues pour la prévention des accidents sont importantes et doivent être respectées scrupuleusement. Garder toujours ce manuel à la portée de la main, le lire attentivement et apprendre à utiliser ce matériel en toute sécurité. Ne pas permettre que d'autres personnes utilisent ce matériel sans avoir reçus des instructions exhaustives.

Achtung - die mit dem Symbol **GEFAHR!** gekennzeichneten Hinweise weisen auf potentielle Gefahrensituationen hin. Alle sicherheitsrelevanten Hinweise in diesem Handbuch sind sehr wichtig und müssen unbedingt befolgt werden. Bewahren Sie dieses Handbuch stets griffbereit auf, lesen Sie es aufmerksam durch, und lernen Sie, die Maschine und die gesamte Ausrüstung sicher zu benutzen. Die Maschine darf nur von Personen benutzt werden, die vorher entsprechend unterwiesen wurden.

Preste atención al símbolo **¡PELIGRO!** Indica la presencia de situaciones importantes de peligro. Todas las normas de prevención de accidentes detalladas son importantes y deben respetarse estrictamente. Conserve este manual al alcance de la mano, léalo atentamente y aprenda a utilizar el equipamiento de modo seguro. No permita que otras personas operen con este equipamiento sin haber recibido instrucciones exhaustivas.

 	Take special care not to touch hot parts of the engine. Prestate particolare attenzione a non entrare in contatto con parti surriscaldate del motore. Veiller tout particulièrement à ne pas toucher des éléments surchauffés du moteur. Achtung – keine heißen Motorteile berühren! No tocar partes recalentadas del motor. Tome muito cuidado para não entrar em contacto com as partes aquecidas do motor.
 	Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, use an exhaust pipe extension to remove the fumes. Always try to work in a well ventilated area. I gas di scarico possono causare malanni o morte. Se è necessario mettere in moto un motore in uno spazio chiuso, usare una prolunga tubo di scarico per far uscire il fumo. Lavorare in una zona ben ventilata. L'exhalation des gaz d'échappement peut être cause d'intoxication ou de mort. S'il est vraiment nécessaire d'allumer le moteur à l'intérieur, appliquer au tuyau d'échappement un autre tuyau extensible pour permettre la sortie des gaz. Il est toujours mieux de travailler en plein air. Auspuffgase können Übelkeit oder Tod verursachen. Wenn es notwendig ist, einen Motor in einem geschlossenen Raum laufen zu lassen, benützen Sie eine Verlängerung, um das Auspuffgas abzuleiten. Versuchen Sie immer in einem gut belüfteten Raum zu arbeiten. Los gases de escape pueden provocar enfermedades o muerte. De tener que poner en marcha un motor en un espacio cerrado, usar una prolongación del tubo de escape para que salga el humo. Trabajar en una zona bien ventilada. Os gases de escape podem causar danos ou morte. Caso seja necessário fazer com que o motor funcione num espaço fechado, utilize uma extensão para o tubo de escape que os fumos sejam espulso para o exterior. Trabalhe numa área bem ventilada.
 	Caution! Never touch moving pulleys or belts. They can be very dangerous. Never do maintenance with engine running. Attenzione! Non toccare mai pulegge o cinghie in movimento, creano gravi danni alla persona. Non fare manutenzione col motore in moto. Attention! Ne jamais toucher ni poulies ni courroies en mouvement, elles peuvent provoquer des accidents aux personnes. Ne pas faire l'entretien quand le moteur est en marche. Vorsicht! Nie laufende Riemenscheiben oder Treibriemen anfassen, da es gefährlich ist. Nie bei laufendem Motor Instandhaltung machen. ¡Atención! No tocar jamás poleas o correas en movimiento, porque pueden crear graves daños a la persona. No efectuar el mantenimiento con el motor en marcha. Atenção! Nunca toque nas polias ou correias em movimento devido ao alto risco de ferimentos. Nunca faça a manutenção da máquina com o motor ligado.
 	A burst which separates the tyre from the rim parts can cause serious injury or death. La separazione fra pneumatico e cerchione, causata dall'esplosione del pneumatico, può provocare serie ferite o addirittura la morte. La séparation entre le pneu et la jante, provoquée par l'explosion d'une roue peut causer des dommages, blessures ou la mort. Die Trennung der Räder von den Felgen durch Explosion kann schwere Verletzungen oder den Tod verursachen. La separación entre el neumático y la llanta producida por la explosión del neumático puede provocar graves heridas e incluso la muerte. A separação entre o pneumático e o aro, provocada pela explosão do pneumático, pode causar graves ferimentos ou até mesmo a morte.
 	Prevent battery explosions: keep sparks, lighted matches and open flames away from the top of the battery. Battery gas can explode. Per prevenire l'esplosione della batteria, tenete scintille, fiammiferi accesi e fiamme lontani dalla stessa. Il gas della batteria può esplodere. Prevenir l'explosion de la batterie: tenir les étincelles, les allumettes et le feu loin de la batterie. Le gaz de la batterie peut exploser. Vorbeugung der Batterie-Explosion. Entfernen Sie Funken, Zündhölzer und Flammen von der Batterie. Das Batteriegas kann explodieren. Para prevenir la explosión de la batería, mantener chispas, cerillas encendidas y llamas lejos de la misma. El gas de la batería puede explotar. Para prevenir explosao da bateria ter centelhas, fosforos acendido e chamas longe da mesma. O gas da bateria poderia explodir.
 	Handle fuel with care, it is highly flammable: Do not refuel machine while smoking, when machine is near an open flame or sparks, or when the engine is running. Stop the engine. Maneggiare il carburante con cura, è altamente infiammabile; non fare rifornimento mentre fumate, o vicino a fiamme o scintille, o quando il motore è acceso. Manier avec soin le carburant car c'est très inflammable. Ne pas remplir le réservoir si vous êtes en train de fumer ou pendant que la machine est près du feu ou d'étincelles ou encore pendant que la machine travaille. Arrêter le moteur. Treibstoff vorsichtig handhaben, da er sehr entzündbar ist: beim Tanken nicht rauchen. Nicht tanken, wenn die Maschine in der Nähe von Flammen oder Funken ist oder wenn der Motor läuft. Immer den Motor abschalten. Manejar el combustible con cuidado porque es sumamente inflamable; no repostar mientras se fuma o cerca de llamas o chispas, o cuando el motor está encendido. Manuseie o carburante com cuidado, pois este é altamente inflamável; não fume durante o abastecimento da máquina ou enquanto o motor estiver ligado, não o aproximado de chama ou de faíscas.
 	Rotating blades are dangerous. Protect children and prevent accidents. Le lame in movimento sono pericolose. Proteggete i bambini e prevenite gli incidenti. Les lames en rotation sont dangereuses. Protéger les enfants et prévenir les accidents. Arbeitende Messer sind gefährlich, Kinder schützen und Unfälle vorbeugen. Las cuchillas en movimiento son peligrosas, proteger a los niños y prevenir los accidentes. As facas em movimento são perigosas. Proteger as crianças e prevenir acidentes.

 	Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing and cause blindness if it gets in contact with the eyes. L'acido solforico della batteria è velenoso. È in grado di causare bruciature alla pelle, bucare vestiti e causare cecità se arriva negli occhi. L'acide sulfurique de la batterie est toxique. Il peut causer des brûlures à la peau, endommager les vêtements et peut aussi causer cécité. Säure der Batterie ist giftig. Sie kann die Haut verbrennen, Löcher in die Kleidung machen und Blindheit verursachen. El ácido sulfúreo de la batería es venenoso, puede provocar quemaduras en la piel, agujear la ropa y provocar ceguera si llega a los ojos. O acido sulfurico e toxico. Pode ser causa de queimadura da pele, furar roupa e provocar cegueira, no caso chegarem em contacto com os olhos.
 	Avoid tipping. Do not drive where machine could slip or tip. Stay alert for holes and other hidden objects. Evitate le scivolote. Non guidate dove la macchina potrebbe scivolare o inclinarsi. Attenzione a buche o ad oggetti nascosti. Éviter les pentes. Ne pas conduire la machine où elle pourrait glisser ou se renverser. Faire attention aux trous ou à tout autre obstacle caché. Nicht dort fahren, wo die Maschine rutschen könnte. Vorsicht bei Löchern oder versteckten Gegenständen. Evitar patinazos. No conducir donde la máquina pueda patinar o inclinarse. Cuidado con los baches o con objetos escondidos. Evitar deslizamentos. Não dirija em lugares onde a máquina poderia deslizar. Ter cuidado a buracos e objetos escondidos.
 	DANGER! Machine rollover: Do not use this machine on slopes greater than 17° (30%). PERICOLO! Ribaltamento della macchina. Non usare questa macchina su pendii superiori ai 17° (30%). DANGER! Renversement de la machine. Ne pas utiliser cette machine sur des pentes supérieures à 17° (30%). GEFAHR! Umstürzen der Maschine. Die Maschine nicht an Hängen mit einer Neigung über 17° (30%) einsetzen. ¡PELIGRO! Volcado de la máquina. No utilizar esta máquina en pendientes superiores a 17° (30%). PERIGO! Revirado da máquina. Não use essa máquina em inclinações além de 17° (30%).
	WARNING! SHARP PARTS. Keep hands and feet away. Do not operate the mower over gravel or foreign bodies which may be sucked up and ejected by the blades, generating a danger. Keep people away. Remove the key and read the instruction manual before attempting to carry out any maintenance or repairs to the machine. ATTENZIONE! ORGANO TAGLIENTE. Tenere lontano mani e piedi. Non lavorare col rasaerba sopra alla ghiaia o corpi estranei che possono essere aspirati e centrifugati dalle lame risultando molto pericolosi, tenere lontano le persone. Togliere la chiave e leggere le istruzioni prima di effettuare qualsiasi operazione di manutenzione e riparazione. ATTENTION! ORGANE TRANCHANT. Éloigner les mains et les pieds. Ne pas utiliser la tondeuse sur le gravier ou sur des corps qui peuvent être aspirés et centrifugés par les lames et devenir très dangereux. Les personnes doivent se trouver à une certaine distance. Enlever la clé et lire les instructions avant toute opération de maintenance et de réparation. ACHTUNG! SCHARFE KLINGEN. Hände und Füße fernhalten. Beim Mähen nicht über Schotter, Steine oder andere Fremdkörper fahren, da diese durch die Drehbewegung der Messer angesaugt und weggeschleudert werden können (Verletzungsgefahr). Nicht in der Nähe von anderen Personen mähen. Vor jedem Wartungs- bzw. Reparatureingriff den Startschlüssel abziehen und die Gebrauchsanleitung durchlesen. ¡PELIGRO! ÓRGANO CORTANTE. Mantener alejados los pies y las manos. No limpiar la herramienta con el motor en marcha. ¡Peligro! Expulsión de objetos: mantener alejados a las personas. Atención: quitar la llave y leer las instrucciones antes de efectuar cualquier operación de mantenimiento o reparación. ATENÇÃO! Órgão cortante. Ficar longe com pés e mãos. Não trabalhar com a máquina sobre cascalho ou objectos que podem ser aspirados e centrifugados gerando perigo, manter-se longe das pessoas. Tirar a chave de ignição e ler as instruções antes de efectuar qualquer operação de reparo ou serviço.
   	Before using the machine, it is mandatory to put on the appropriate individual safety devices: body protection, protection gloves, security shoes, ear protection. Prima di utilizzare la macchina, è obbligatorio indossare gli appositi dispositivi di sicurezza individuali: protezione del corpo, guanti di protezione, calzature di sicurezza, protezione dell'udito. Avant d'utiliser la machine, il est obligatoire de mettre les dispositifs individuels de sécurité appropriés: protection du corps, gants de protection, chaussures de sécurité, protection de l'ouïe. Vor dem Gebrauch der Maschine ist es vorgeschrieben, die geeignete persönlichen Schutzkleidung anzuziehen: Körperschutz, Schutzhandschuhe, Sicherheitsschuhe, Gehörschutz. Antes de utilizar la máquina es obligatorio ponerse los dispositivos individuales de seguridad apropiados: protección del cuerpo, guantes de protección, calzado de seguridad, protección del oído.



HYDROSTATIC GRASS CUTTER

GRILLO CLIMBER 9.22

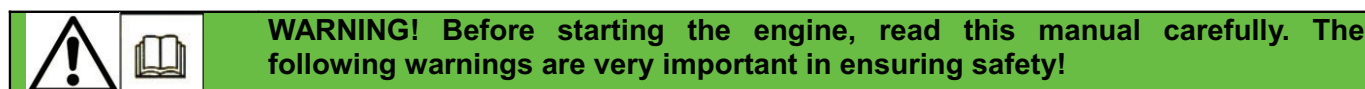
Dear Customer,

thank you for choosing the Grillo CLIMBER. We hope that this new tractor mower will perfectly meet your requirements. For best use and maintenance over time, please carefully read and follow the instructions given in this manual. This will enable you to get top results from your mower and will prevent avoidable expense.

Please look after this manual which should always be kept with the machine.

GENERAL DESCRIPTION AND INTENDED USE

The Grillo machine Climber 9.22 is a ride-on grass-cutter with operator on board, designed for the cut of grass, on slopes also.



WARNINGS

Caution is the best tool for accident prevention.

You are urged to read the following instructions for use of the mower before starting work.

Incorrect use of the mower and its equipment may cause damage. To reduce this risk, follow the precautions given below:

- 1) Read the whole of this before turning on and using the mower, before starting any work at all.
- 2) Pay particular attention to the warnings and safety labels set out around the mower.
- 3) Before allowing others to use the mower, inform them of the safety rules and carefully instruct them on how to use the machine.
- 4) **Before starting work, put on suitable working clothes, gloves, strong shoes and protective glasses.**
- 5) **Wear special acoustic protections (ear-caps) during work.**
- 6) Before turning on the machine, make sure there are no persons around it; especially children.
- 7) Before driving the machine in reverse, make sure there are no persons or obstacle in the way.
- 8) Check the condition of the ground before mowing. Make sure that there are no stones, sticks, or other objects, which could be run over and become a danger when projected.
- 9) If any impact with a foreign object occurs, disengage the blade, turn off the engine, remove the ignition key and examine the lawnmower. If the machine vibrates, have it repaired.
- 10) Before getting off the mower, turn off the engine, turn off the PTO, remove the ignition key and lower the cutting deck in the lowest position.
- 11) Always drive slowly along uneven paths.
- 12) Keep the speed down when driving down slopes.
- 13) Always turn slowly when driving downhill.
- 14) The user is always liable for any damage caused to third parties.
- 15) Deformed or damaged blades must always be replaced, never just repaired.
- 16) Always use original GRILLO spare parts and accessories.
- 17) Only work in sunlight or under effective artificial lighting.
- 18) Only store fuel in suitable containers designed for the purpose.
- 19) Be very careful when working close to a road.
- 20) Allow the engine to cool before putting the machine away in a closed environment.
- 21) Do not operate the machine when tired or after drinking alcohol.
- 22) Do not allow any fuel spillage and after filling the tank wipe away any spilled fuel before starting the engine.
- 23) Do not tamper with the safety devices or disable them.
- 24) Do not change the engine settings, especially the maximum number of revs.
- 25) Do not rest heavy loads on the seat, the starter safety device could become disengaged.

- 26) Never attempt any adjustments or cleaning with the engine running.
- 27) Never allow anyone to check the machine while you are seated at the controls with the engine running.

IMPROPER USE TO BE AVOIDED

- 28) Do not allow passengers to ride on the machine.
- 29) Do not allow under-age children to operate it; use is prohibited to children under 16 years old.
- 30) Do not operate the mower near to ditches or verges which could collapse under the weight of the machine, especially when the surface is loose or wet.
- 31) Replace worn or damaged exhausts.

FURTHER SAFETY ADVICE

The above mentioned warnings could not be enough to avoid any risk, if the operator does not use the present lawnmower correctly. Therefore, for your safety we give you following advices:

- 32) The mower blade is very dangerous when rotating, **never put hands or feet underneath the mower deck.**
- 33) Do not drive in reverse at high speed.
- 34) It is dangerous to operate the steering wheel abruptly with the motor at full power.
- 35) Fill the tank with fuel before starting the engine. Only refuel outdoors, always turn off the engine, keep away from sparks or naked flames, do not smoke! Always replace the cap on the fuel tank and those on fuel containers properly.
- 36) If the fuel tank has to be emptied, only do so outdoors.
- 37) Do not operate the mower over gravel which could become sucked up and drawn into the blade, becoming very dangerous.
- 38) If you have children, hide the ignition key after using the machine.
- 39) **CAUTION:** to avoid the risk of fire, keep the engine compartment, exhaust, discharge outlets, battery, tank area and fuel pipes free from grass, leaves, dirt etc.
- 40) Do not store the machine inside any building where the engine fumes can reach naked flames, sparks or bare electrical wires.

Remove the mower deck, turn off the engine and disconnect the spark plugs:

- a) **before cleaning obstructed points.**
- b) **before checking or repairing the lawnmower.**
- c) **when the machine hits a foreign body (check the mower deck to see if it is damaged).**
- d) **if abnormal vibration occurs, stop and inspect the machine. If you need any assistance contact the nearest authorized service centre.**

IDENTIFICATION AND SERVICING



IDENTIFICATION

The Grillo CLIMBER 9.22 has a label under the instrument panel indicating the machine's serial number.

TECHNICAL ASSISTANCE

This manual provides instructions for use and basic maintenance of the mower by the user. For operations that are not described in this manual, contact your Area Dealer.

SPARE PARTS

Only use original spare parts. These are the only parts that ensure safety and interchangeability.

Always quote the machine's serial number and the code number of the part to be replaced when ordering spare parts.

For engine parts, follow the indications given in the specific manual.

GUARANTEE

The guarantee is given in compliance with the current law. The dealer will have to give the client a copy of the registration card of the machine, which they will print up from the Grillo website.

For the engine the guarantee of the relative manufacturers apply.

RECOMMENDED LIST OF SPARE PARTS TO BE KEPT IN STORE

- 2 x mowing blades
- 2 x blade screws
- 2 x blade screw nuts
- 1 x set of belts
- 1 x air filter for engine
- 1 x oil filter for engine

TECHNICAL SPECIFICATIONS

ENGINE: B&S INTEK 7220 PROFESSIONAL SERIES 22 HP (16,2 kW), 656 cm³, OHV, twin-cylinder, internal combustion.

STARTING SYSTEM: electric with 12V battery.

GEARBOX: hydrostatic transmission.

DIFFERENTIAL: with lock device.

CLUTCH: electromagnetic with P.T.O and with blade brake.

GROUND SPEED: from 0 to 9 km/h with continuous variation and reverse from 0 to 4 km/h.

TYRES front: 13x5.00-6 **rear:** 17x8.00-8

BRAKE: front emergency brake and rear parking brake.

OPERATOR SEAT: adjustable comfort seat with armrests.

CUTTING DECK: rear/side discharge.

CUTTING SYSTEM: rotating with 1 blade.

CUTTING WIDTH: 910 mm (±36")

CUTTING HEIGHT: from 30 to 90 mm (from ± 1.2" to ± 3.5") with 4 different cutting positions and 1 transfer position.

WORK CAPACITY: approx. 7200 m²/h (± 1.7 acres per hour)

STEERING RADIUS: 380 mm (±14.9")

FUEL TANK: 13 litres **RESERVE:** 3 litres

SIZES: Length > 1800 mm (± 71") – Width > 990 mm (± 38.9") – Height > 1070 mm (± 42.1")

WEIGHT: 307 kg (± 675 lb)

PUTTING THE MACHINE INTO SERVICE

- 1) Check that the machine has not been damaged in transit.
 - 2) Check the oil levels of the engine, hydrostatic transmission and final drive.
 - 3) Check the tyre pressure:
1 BAR front wheels 13 x 50/6
1.5 BAR rear wheels 17 x 8.00-8
 - 4) Check the battery voltage; it must be at least 12,5 Volts. Charge if necessary. If the battery has been supplied dry with the acid separate, proceed as follows to put it into service: add the acid and wait 2 hours, charge the battery with a battery charger set at 12 volts on slow charge for 2 hours. Caution! Failure to follow this rule may cause deterioration of the battery and acid leaks during operations.
- IMPORTANT!!!** During assembly take care not to reverse the polarity of the battery.

BATTERY – CAUTION!

The gases released by the battery are explosive, keep it away from naked lights or sparks. Check the liquid level periodically and keep the terminals lubricated with appropriate grease.

RUNNING IN - CAUTION!!

Change the engine oil and filter after the first 30 working hours. Check that there are no oil leaks or slack screws, especially those which fix the blade, the steering and the wheels. Adjust the tension of the hydrostatic transmission belts (fig. 16).

INSTRUCTIONS FOR USE

BEFORE STARTING UP THE ENGINE

Before starting up the engine, always check that:

- the engine oil level is correct (fig. 4)
- the oil in the hydraulic engine is at the correct level (fig. 3)
- the forward level is in the idle position (fig. 1B, no. 2)
- the engine cooling intake grilles are clean (fig. 5)
- air filter is clean (fig. 6).
- the mowing deck is clean
- the hydraulic motor fins are clean (fig. 7)
- the blades are sharp and firmly fastened in place
- the screw in the centre of the blade hub is safety tightened (fig. 1C, no.3)

Fill the fuel tank using a funnel with very fine filter (fig. 1A, no. 4).

STARTING UP THE ENGINE

- Push the throttle half way in (fig. 1B, no.5)
- If the engine is cold, use the choke (fig. 1B, no.6). Turn the ignition key on the dashboard (fig. 1, no. 7).
- Once the engine has started, turn off the choke and wait for a few minutes to allow the engine to warm up.
- To switch off the engine put the ignition key in the STOP position (fig.1 , no. 7).

N.B. When moving the mower from one place to another, you are advised to keep the cutting deck at the maximum height setting.

STARTING WORK

- Choose the desired cutting height by means of the lever 8 (fig. 1D). Suitably accelerate the engine and engage the PTO lever (fig. 1, no. 1). Gently operate the forward travel lever (fig. 1B, no. 2) and start work. To stop, return the forward lever to the stop position.
- The lever (fig. 1B, no. 2) is also used to reverse. When it is moved back, the machine moves backwards; always operate it gently.

FRONT BRAKE

The front brake (fig. 23, no. 1) must be used only as emergency brake, sloping down to avoid the machine sliding. (When it is used with the differential lock, it makes the machine steadier on slopes). The forward travel lever is normally used to decelerate and to brake.

PARKING BRAKE

To engage the parking brake, please press the lever upwards and lock it to the proper seal retainer (fig. 23, no. 2); in this position, if the forward travel lever is engaged, an acoustic signal warns that the parking brake is engaged. To adjust the parking brake, use the castellated nut (fig. 22).

CUTTING POSITIONS

The cutting position is adjusted using the lever (fig. 1D, no. 8).

The deck can be set in 4 different cutting positions from 30 to 90 mm and one travel position in which the blade disengages automatically (fig. 1D).

In case of uneven ground, humps or dips, the deck should be kept in the highest cutting position to prevent knocks by the blade.

SLOPING GROUND

If possible, steep slopes must be mown in the up/down direction, taking great care when turning that the wheels upstream do not strike obstacles (stones, branches, roots, etc.) which might cause the machine to overturn, or lead to loss of control.

Assess the conditions and take care if the ground and grass are damp since the machine might slip. Downhill, set off at low speed and do not pass over dry or cut grass since the wheels lose grip;

INTERVENTION OF SAFETY DEVICES

Remember that the engine will stop whenever:

- The operator gets up from the seat.

The engine will not start up if:

- The blade is engaged.
- Nobody is sitting in the driver's seat.
- If the cutting deck isn't at the highest setting.

USEFUL RULES FOR EFFICIENT USE

- 1) Never strain the engine: when fumes are emitted from the exhaust it means that it is being strained. Slow down.
- 2) Do not leave the machine out in the rain.
- 3) If the machine heats up on the first day at work, stop it and allow it to cool down: it needs to rest.
- 4) Frequently sharpen the mower blades: the cut will be better and the engine will not be strained as much.
- 5) Check the land before mowing to make sure that there are no stones, sticks or foreign bodies.
- 6) Keep the engine at peak r.p.m. during mowing, adjust the speed according to the height of the grass.
- 7) **Keep the grilles above the engine and the cooling fins of the hydraulic motor (fig. 5 - 7) clean.**

MAINTENANCE AND LUBRICATION

CAUTION!

- **Disconnect the plugs before performing any cleaning, maintenance or repair operation. Always wear suitable clothing and working gloves.**
- **When the machine or part of it is lifted to carry out maintenance operations, always remember to use suitable fixing tools such as holders and safety locks.**
- **When carrying out maintenance operations and/or when the machine is tilted without safety locks or supports, never leave it unguarded in places where inexperienced people and children could have easy access to it.**
- **Protect the environment: carefully dispose of used oils, petrol and any other pollutant product!**
- **Effective maintenance and correct lubrication help to keep the machine fully efficient.**

ENGINE

For the lubrication intervals, follow the instructions provided in the engine handbook; **the oil must in any case be changed after the first 20 working hours**, using AGIP SAE 30 engine oil. To remove the oil unscrew the tap A (fig. 20B). Change the oil filter (fig. 10).

FINAL DRIVE GEARBOX

Check the oil level every 100 hours by unscrewing the cap (fig. 11, ref. A); if necessary top up with 80W90 (API GL-5) gearbox oil. To drain the oil unscrew the cap (fig. 11, ref. B). Change the oil every 1000 hours. Quantity 1,9 lt (fill through the tap fig. 11A).

HYDRAULIC MOTOR

Check the level in the expansion tank when the motor is cold. It should come up to the level notch (fig. 3). If necessary, add AGIP SAE 15W50 or 20W50m oil. Change the oil every 200 working hours. To drain the oil, unscrew the cap (fig. 4); pour into the tank. Keep the fins and coil of the hydraulic motor (fig. 3A and 7) thoroughly cleaned. Quantity 1 litre.

AIR FILTER

Check the air filter every 4 hours, or more frequently if working in a very dusty environment (fig. 6). Check the air intake grid for engine cooling (fig. 5). The external and internal grids must always be kept clean to avoid blocking the air flow needed for the engine cooling. Keep the engine compartment, the hydrostatic transmission and the intake grid clean.

CHECKING THE BLADES AND DECK

A blunt blade tears the grass, leaving it unattractive. The cutting edges of both blades must be sharpened. To remove a blade, take hold of it firmly, wearing work gloves, and unscrew the central screw, remembering that the screw has a right-hand thread (fig. 1C, no. 3). Sharpen both cutting edges using a medium-grain grinding wheel and check that the blade is balanced by standing it on a round bar inserted in the central hole.

Fit the two cutting blades following the diagram in fig. 13.

CAUTION!

Tighten the fixing screw (fig. 1C, no. 3) firmly.

Always replace damaged or crooked blades; never attempt to repair them! When fitting, always follow the diagram (fig. 13).

ALWAYS USE ORIGINAL BLADES! If they are worn they can be turned round since they have two cutting edges.

910 mm CUTTING DECK

ADJUSTING THE 910 mm CUTTING DECK

Levelness of the cutting deck is essential in order to obtain an evenly mown lawn.

Park the mower on a flat surface and check that the tyre pressure is correct. Adjust the right and the left adjustment devices so that the edge of the cutting deck is at the same distance from the floor, 30 mm, on both sides (with the operator sitting on board – fig. 14 - 14A).

If you are unable to level off the deck, contact an Authorised After-Sales Service Centre.

ENGINE BELT

BLADE BELT 910 mm cutting deck

The engine – blade belt is self-adjusting. Therefore no adjustment is required. Simply check the spring tension (fig. 15).

If the belt becomes twisted or comes off, check the parameters below, keeping the cutting deck in the highest position ("travel" position):

- 1) 170 mm from the edge of the deck to the ground (fig. 24).
- 2) 170 mm from the rear edge of the deck to the ground (fig. 24).
- 3) Adjust the registers (fig. 14 – 14A).

4) Take care when positioning the belt guides; move them towards the belt, checking the cutting deck at the various height settings (fig. 12, ref. A). Check that during operation the belt is always in the centre of the stretcher (fig. 15, ref. A). The stretcher has to stick about 5/8 mm out of the frame, as shown in fig. 25.

130 cm MP CUTTING DECK

This cutting deck with 3 blades has a cutting width of 1300 mm and has two functions: rear discharge and mulching. If you want to change from rear discharge function to mulching function you simply have to add a rear tap, delivered as a standard feature, it is not necessary to change the blades (fig. 26 – 27).

130 cm MP CUTTING DECK MAINTENANCE

To ensure the deck belt works properly and to obtain a uniform cut, please follow these instructions:

- put the cutting deck in the lowest position.
- adjust the front arms (fig. 34) in order to set the front part of the cutting deck at 35 mm from the ground (fig. 28): measure the point A as indicated in fig. 29.
- regulate the adjusting device (fig. 35) in order to set the rear part of the cutting deck at 35 mm from the ground (fig. 30): measure the point B as indicated in fig. 29.

To check the cutting deck belt, unscrew the knob D in fig. 31 and remove the two protections. If you see that the length of the belt has changed, causing therefore its malfunctioning, you can regulate the belt tension using the adjusting screw (fig. 32). If you want to replace the belt, please see fig. 33 to re-assemble it.

The spring has to be adjusted at 77 mm (fig. 32, ref. B). The stretcher has to be lubricated every 50 working hours (fig. 32, ref. C).

ENGINE – HYDROSTATIC TRANSMISSION BELT

Whenever there is a change in belt length (causing therefore its malfunctioning), the tension can be regulated by means of the adjustment device (fig. 16). Take care not to compress the spring beneath the unit completely; belts must be neither too tight nor slack. The spring must be kept set at 44 mm (fig. 16)

BLADE ROTATION

Rotation is started and stopped using the switch no. 1, fig. 1.

When rotation is engaged, the engine must be running at medium r.p.m (see throttle sticker) and the machine must not be in the grass for cutting. Never start the blades with the engine at maximum r.p.m.

The machine is equipped with an electromagnetic clutch which also brakes the blade during disengagement. The blades are also disengaged automatically when the cutting height adjuster lever is moved to the highest position.

CHANGING THE BELTS

The movement is transmitted from the motor to the hydraulic transmission and to the blades by means of two v-belts. **Replace the belts as soon as they show signs of wear!**

Their replacement and subsequent adjustment are fairly complex procedures and must be carried out by an Authorised After-Sales Service Centre.

For the cutting deck – engine belt, the belt guides of the deck pulley have to be removed; release the belt stretcher spring (fig. 15, ref. B)

For the two transmission and hydraulic engine belts proceed as follows:

- remove the rear and top grids
- undo the belt stretcher nut (fig. 16)

ALWAYS USE ORIGINAL BELTS!

TRACTION RELEASE LEVER

The traction release device is located behind the seat; if the machine breaks down, to allow it to be towed or moved by hand, move the lever outward (fig. 20A). In the position shown in fig. 20B the machine is in working condition. Check that during working the hydraulic engine piston does not remain pressed down; if necessary, adjust the nut (fig. 21).

DIFFERENTIAL LOCK ADJUSTMENT

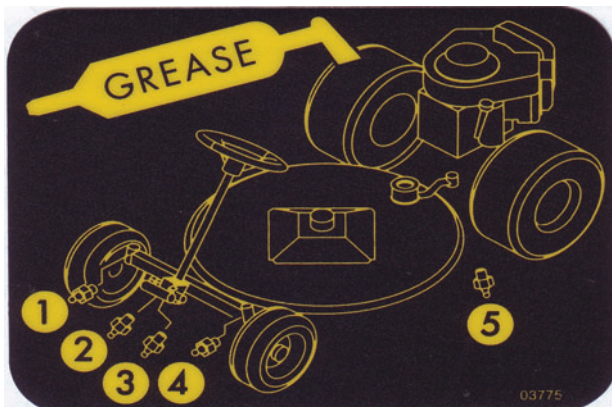
The differential lock has to be activated when the pedal is half way of its travel (fig. 8). To adjust the activation point of the differential lock use the screw as shown in fig. 9.

MAINTENANCE SUMMARY TABLE						
PROCEDURE		EVERY 8 HOURS	AFTER 20 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	ONCE A YEAR OR EVERY 200 HOURS
Engine oil	check the level	•				
	change		•		•	
Air filter	check	•				
	replace				*	
Spark plug	check/adjust				•	
	replace					•
Hydraulic engine oil	check level		•	•		
	replace					•
Check that the engine intake grid is clean		•				
Check that engine cooling fins and cylinders are clean					•	
Gearbox oil	check the level		•		•	
	replace					*
Check that blades are well-sharpened and well-fixed		•				
Lubricate with grease			•	•		

• recommended procedure

* procedure to be carried out if necessary

LUBRICATION POINTS WITH GREASE



TROUBLE-SHOOTING

PROBLEM

CAUSE	REMEDY
Dashboard OFF with key in "AVV." (ON) pos.	
– Battery not supplying power – Check electrolyte level	– Check connecting cables – Recharge battery – Change the fuse
Dashboard ON, but starter motor does not turn over with key in "AVV" (ON) pos.	
– Battery not supplying enough power – Start-up go-ahead not given	– Recharge battery – Travel lever in stop position – Disengage blades – Sit in the driver's seat
Difficult starting or irregular running of engine	
– Carburettor problems – Deposits or dirt in fuel	– Clean or change the air filter – Adjust the carburettor (follow engine manual instructions) – Empty the tank and use fresh petrol – Check and change the petrol filter if necessary
Starter motor turns over but engine does not start	
– No petrol flow – Fault in ignition system	– Check that the choke has been activated (if engine is cold) – Check petrol level in tank – Check wiring of carburettor opening control – Check petrol filter (and change if necessary) – Check that the vent on the tank cap is not blocked – Check that the caps of the spark plugs are correctly fastened
–	Check that the electrodes are clean and at the correct distance apart.
Drop in engine performance during cutting	
– Speed too high for cutting height	– Reduce speed

When the blades are engaged the engine cuts out

- Go-ahead not given for blade engaging
- Check the blade-engaging microswitch
- Sit in the driver's seat

Uneven cutting

- Cutting deck not parallel to ground
- Blades fault
- Check tyre pressure
- Level off the deck
- Check that the blades are correctly mounted
- Sharpen or change the blades
- Check the tension of the cutting deck engine belt

Vibrations during operation

- Blades unbalanced
- Fastenings are loose
- Balance blades or replace if damaged
- Check and fasten the blade fixing screws as well as the fixing screws of the engine and chassis.

Incorrect P.T.O. engagement

- When PTO button is pressed, The blade does not engage
- Check the battery voltage, it must be at least 12,5 volts
- Check the levelness of the blade brake and the electromagnetic clutch, 0,3 mm

ELECTRICAL SYSTEM

The electrical system is protected by a fuse which cuts out the entire electrical system if blown.

After finding and repairing the fault, replace the fuse with another of the same rating.

Never replace the fuse with one of a different rating.

The electrical system fuses are underneath the tank (fig. 19).

If the problems persist after all the procedures described above have been carried out, contact the Authorised After-Sales Service Centre.

Never attempt to make difficult repairs unless you have the necessary equipment and technical expertise.

IMPORTANT!

- Take care not to reverse the battery polarity.
- Never operate the mower without the battery, since it is equipped with a charge regulator.
- Take care not to cause short-circuits.

THE MACHINE DOES NOT REMAIN IN NEUTRAL

Adjust the zero turn device by tightening or loosening it (fig. 17).

to adjust the forward and reverse travel speeds, use the screws (fig. 18).

ENDING WORK

After mowing, disengage the blades and drive back to base with the cutting deck in the highest position.

To stop, move the travel lever to the STOP position (fig. 1B, no. 2), set the throttle lever on the minimum r.p.m., switch off the engine by turning the key on the STOP position (fig. 1, no.7) and lower the deck to the lowest position. Engage the parking brake (fig. 23, no. 2).

CLEANING

Clean the outside of the mower after each use.

STORAGE AND PROLONGED PERIODS OF DISUSE

Store the mower in a dry place, away from atmospheric agents, and preferably cover with a sheet. If the mower is not going to be used for a long period (over 1 month), disconnect the red battery cable and follow the instructions given in the engine manual. Also lubricate all of the articulated joints. Regularly check that the battery voltage does not drop below 12 volts. If it does, recharge the battery.

If the machine is to be out of use for more than 30 days, drain the fuel from the engine to prevent sticky deposits from forming in the fuel intake system or in vital parts of carburettor. To avoid this procedure, it is possible to save fuel in storage up to 12 months by using an appropriate fuel stabilizer. Add the such additive to the fuel in the tank or in the fuel container. Run the engine for a while to let the stabilizer get into the fuel system. **Caution:** if the engine is fed with petrol containing alcohol, drain the fuel tank and run the engine until there is no fuel left.

TRANSPORTING THE MACHINE

If the machine has to be transported on a lorry or a trailer, fasten it to the vehicle using ropes or cables.

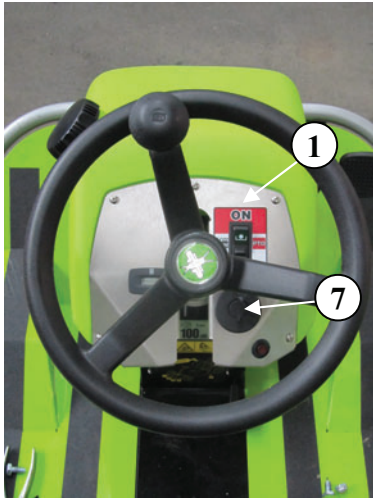


Fig. 1

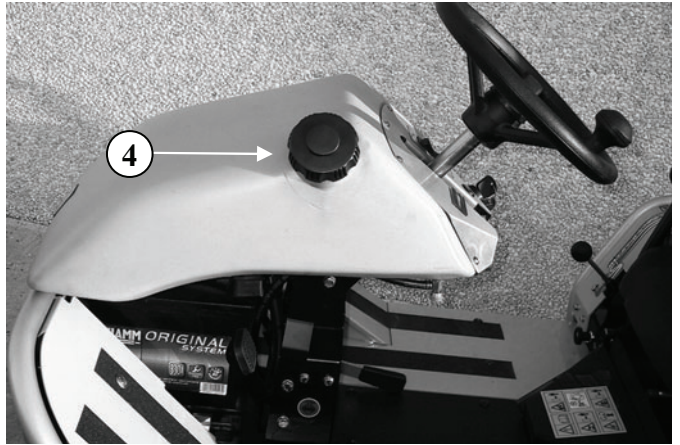


Fig. 1/A

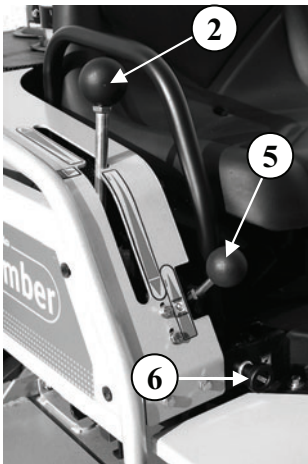


Fig. 1/B

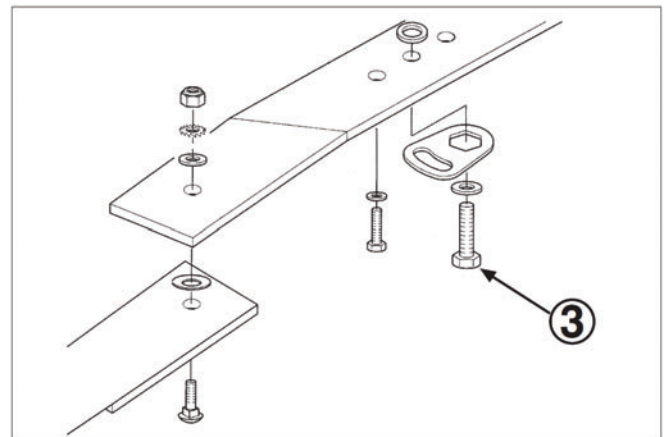


Fig. 1/C

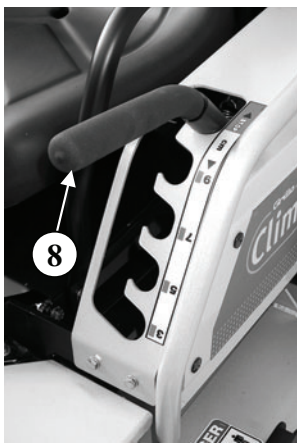


Fig 1/D



Fig. 2

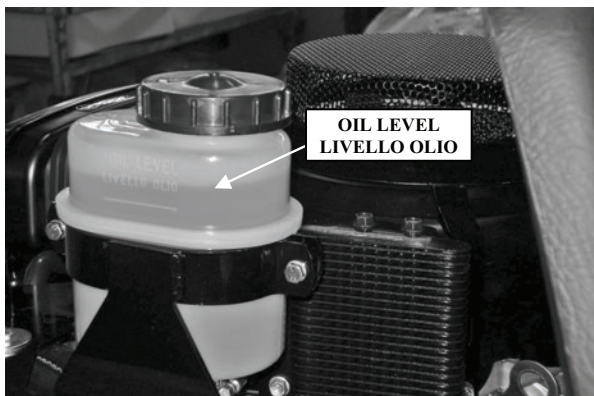


Fig. 3

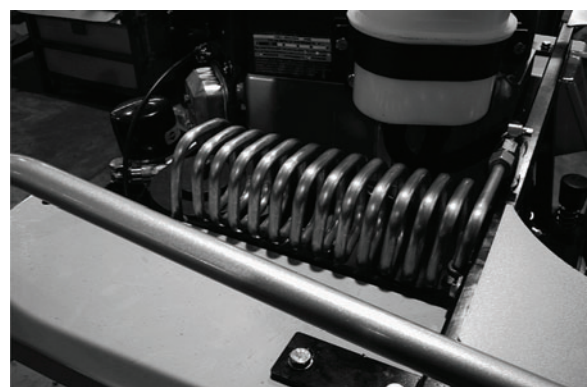


Fig. 3A

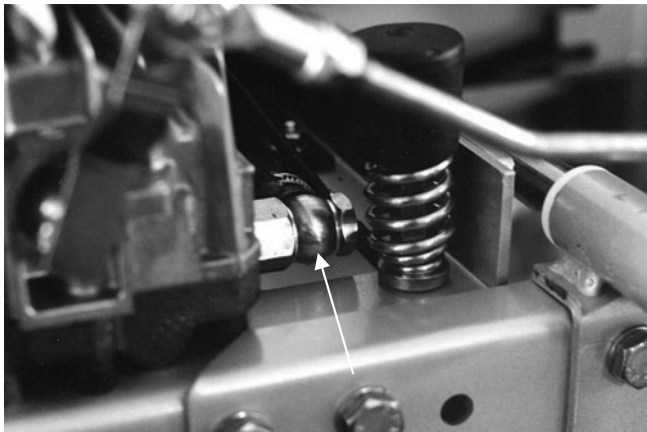


Fig. 4



Fig. 5



Fig. 6

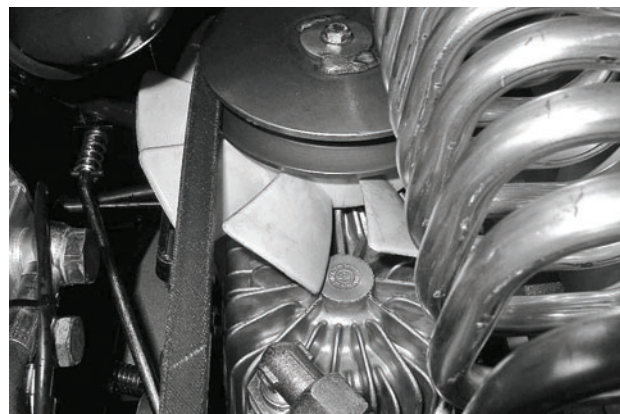


Fig. 7



Fig. 8



Fig. 9



Fig. 10

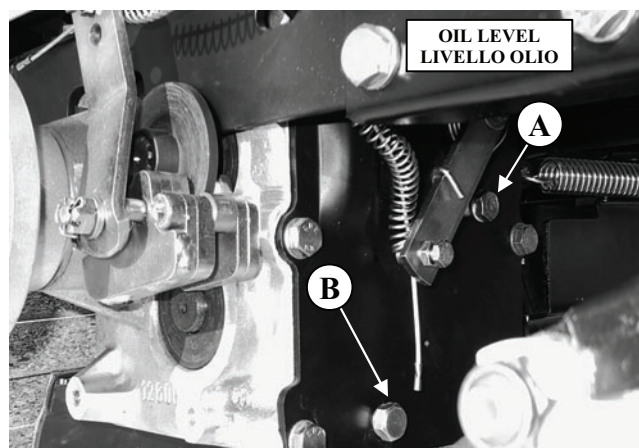


Fig. 11

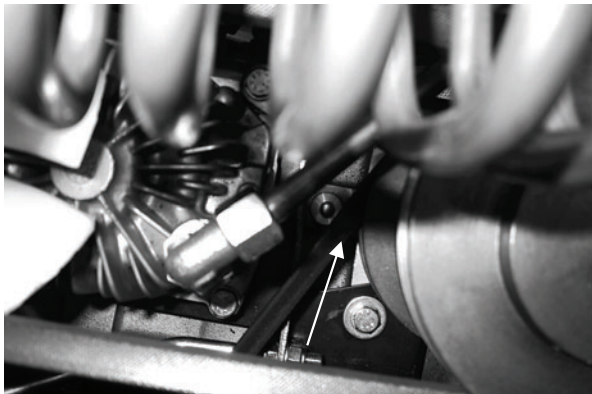


Fig. 11/A

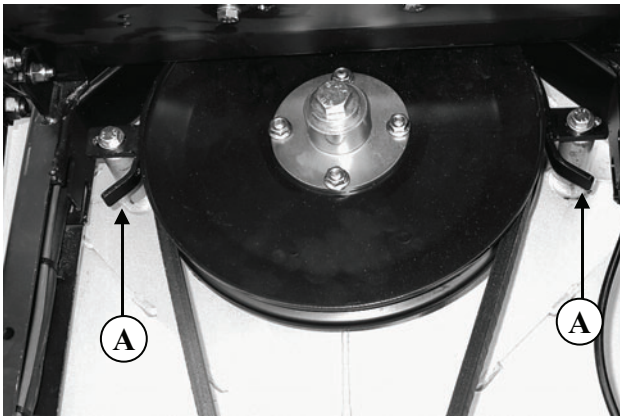


Fig. 12

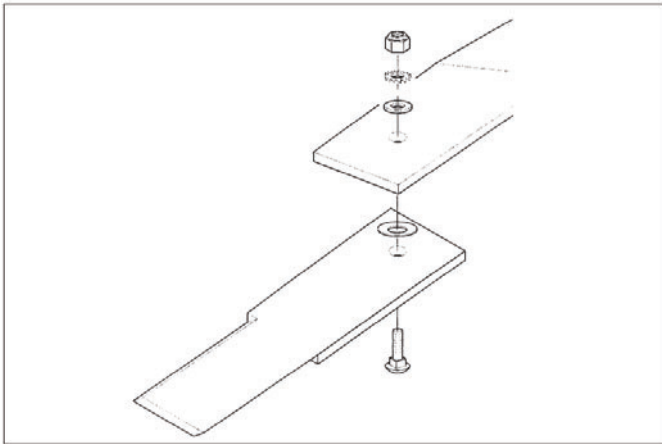


Fig. 13

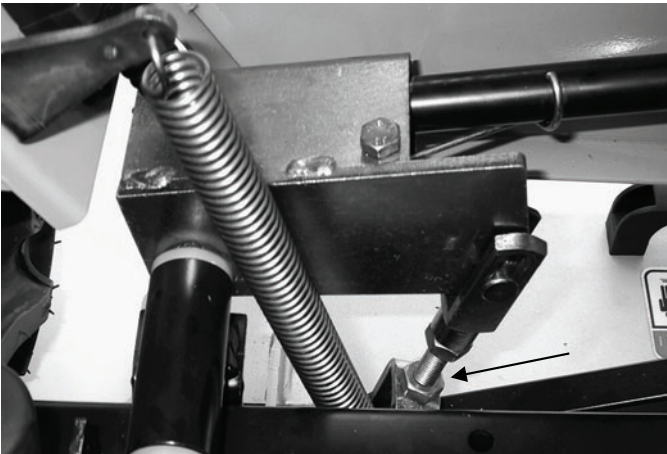


Fig. 14

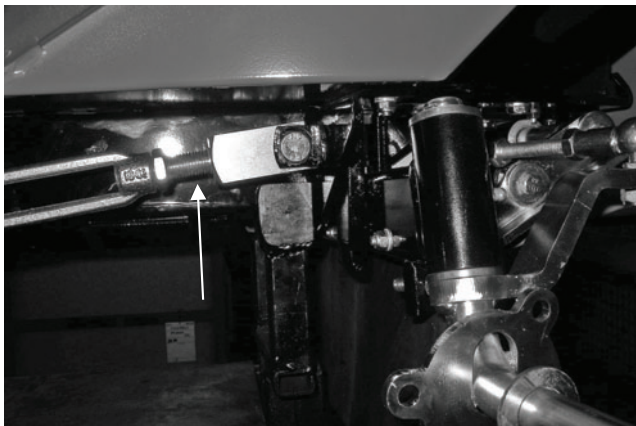


Fig. 14/A

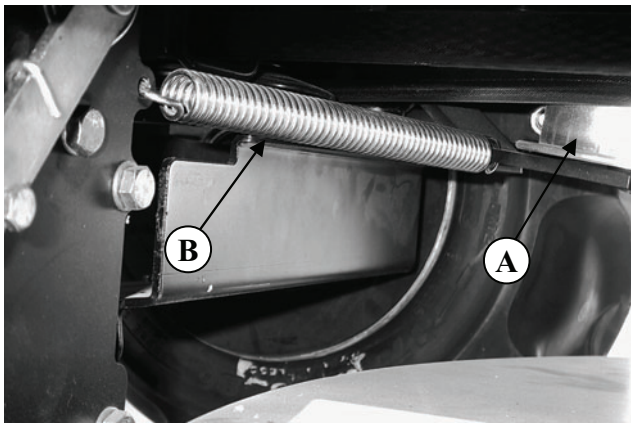


Fig. 15

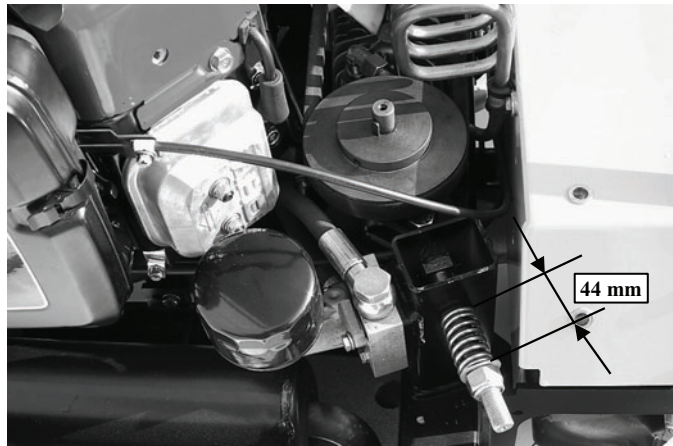


Fig. 16



Fig. 17

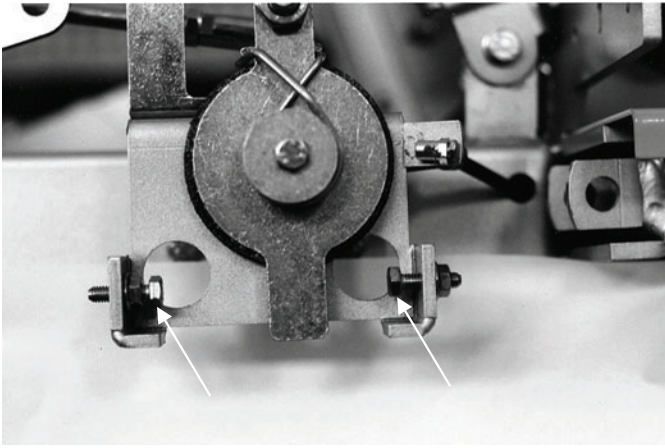


Fig. 18



Fig. 19

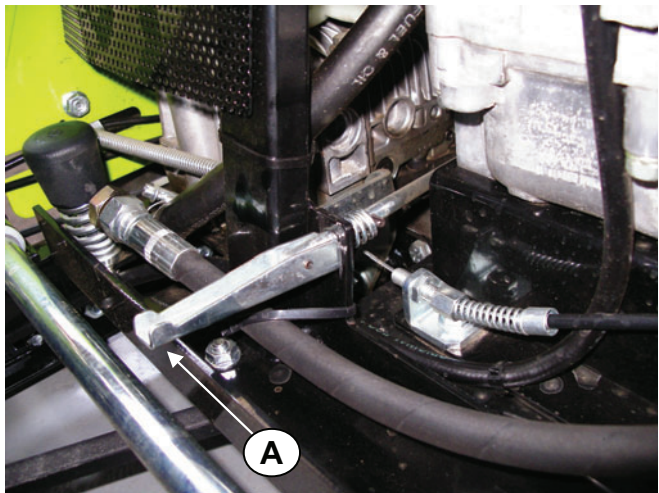


Fig. 20/A

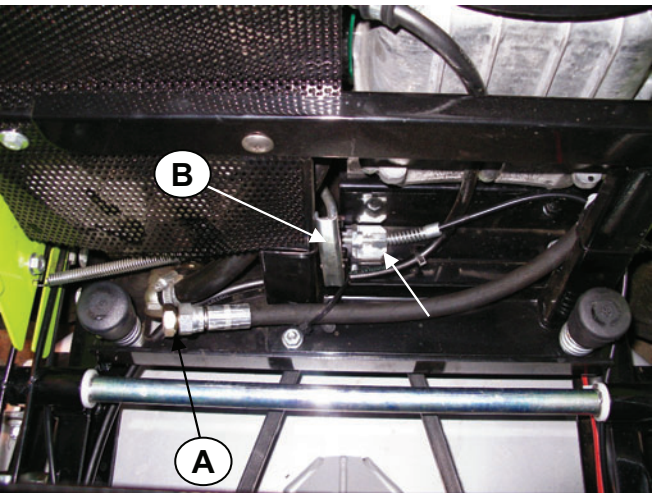


Fig. 20/B

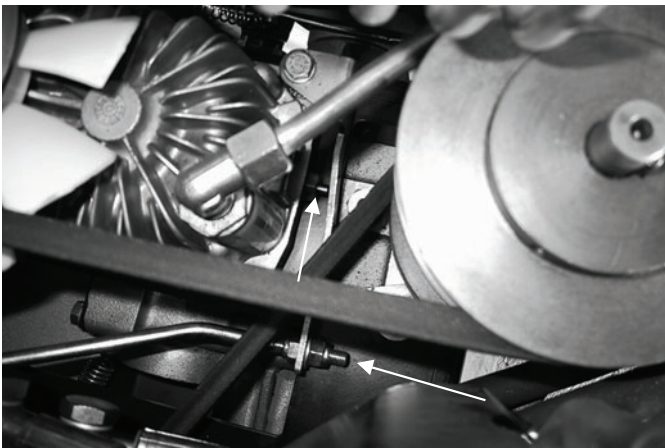


Fig. 21

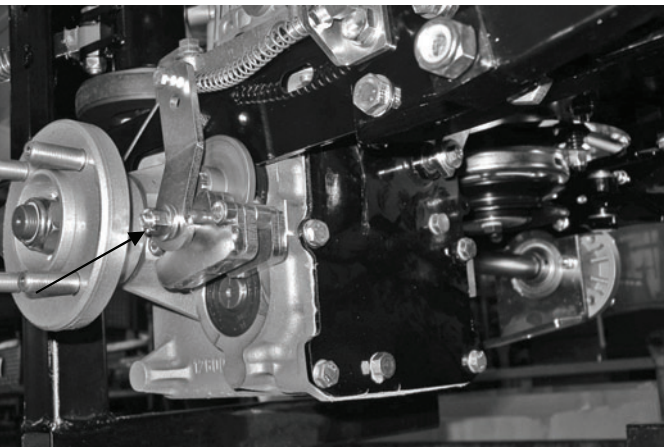


Fig. 22

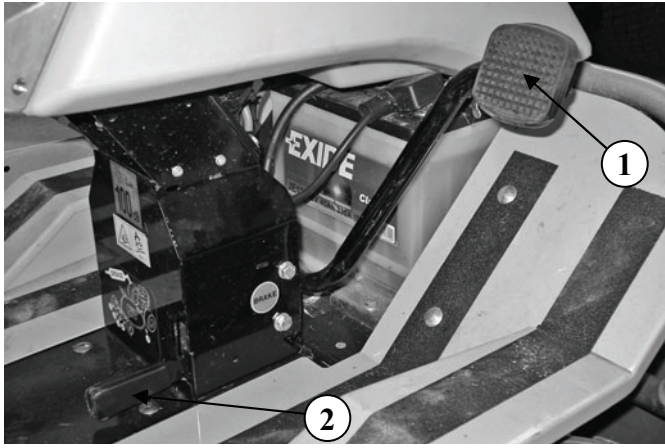


Fig. 23

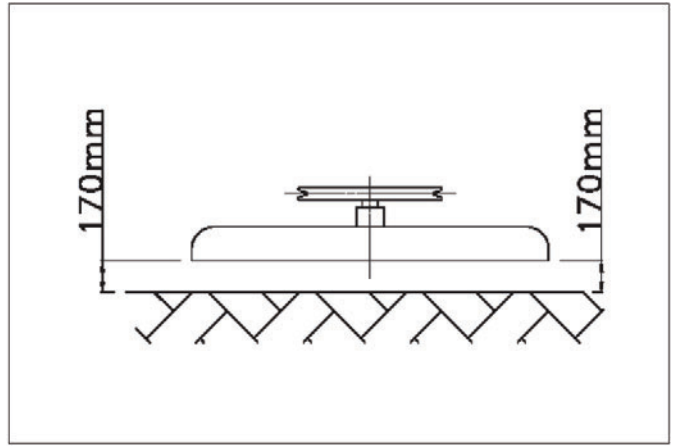


Fig. 24

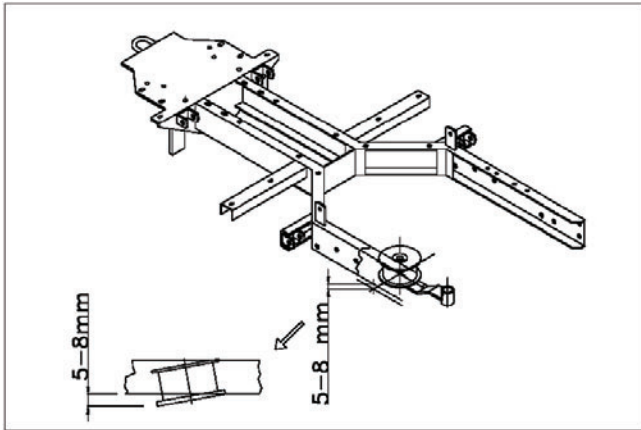


Fig. 25



Fig. 26

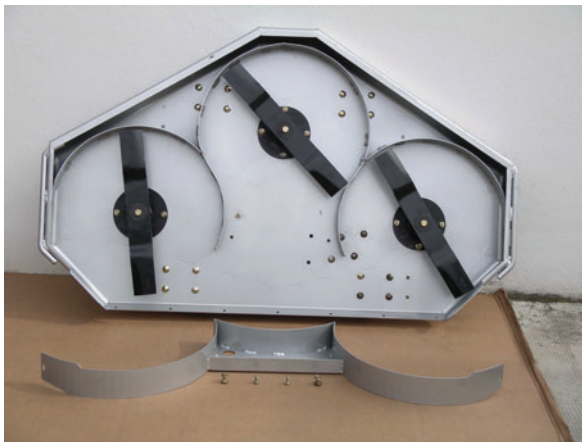


Fig. 27

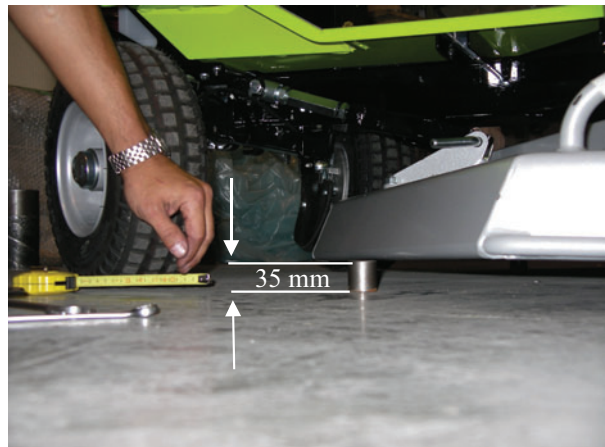


Fig. 28

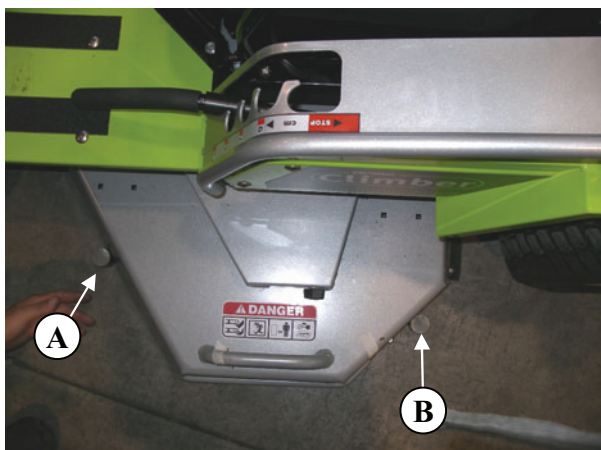


Fig. 29

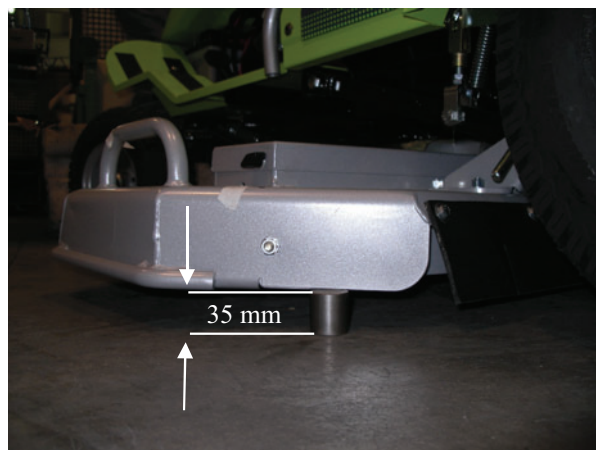


Fig. 30

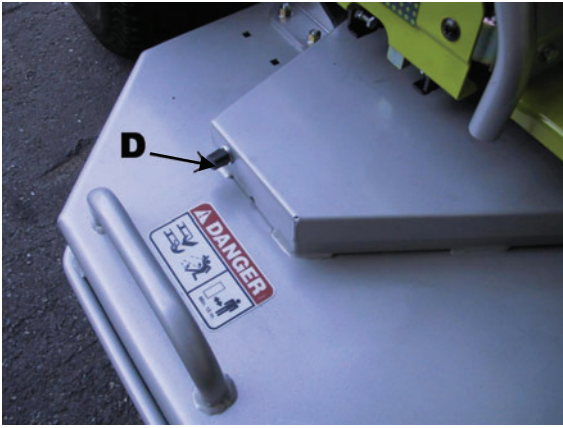


Fig. 31

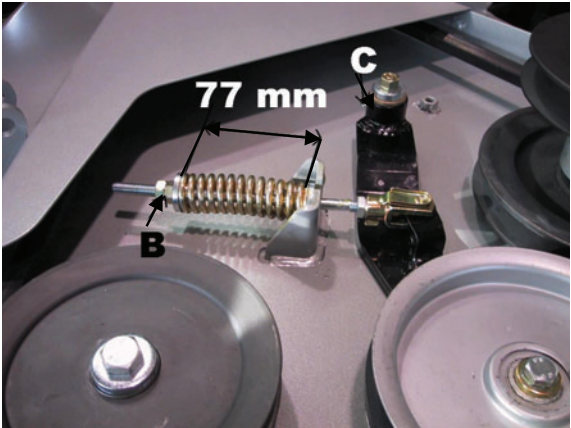


Fig. 32

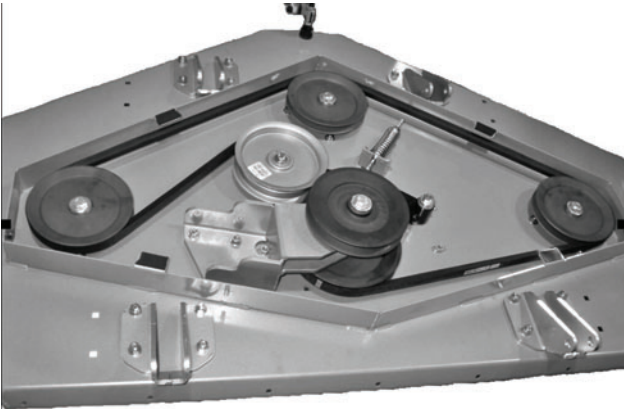


Fig. 33

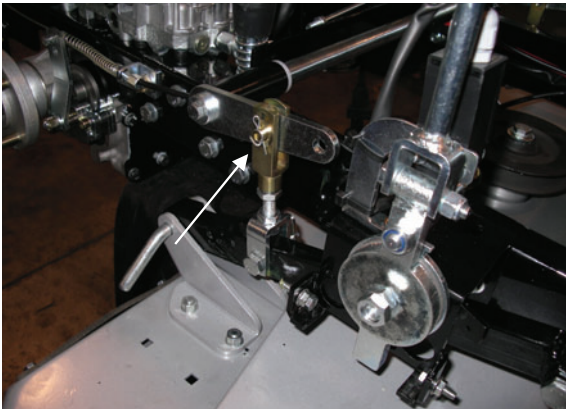


Fig. 34

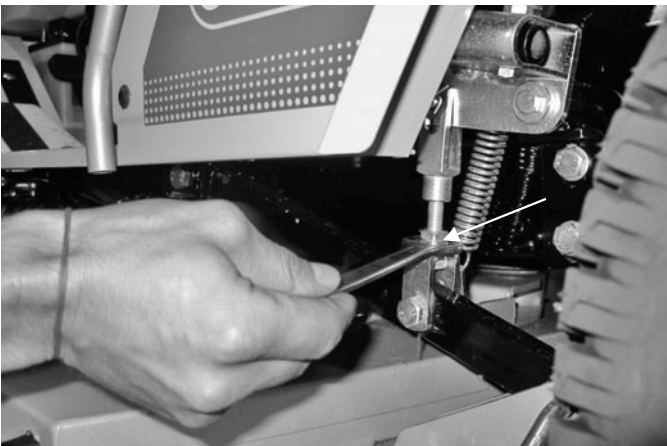
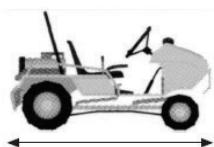


Fig. 35



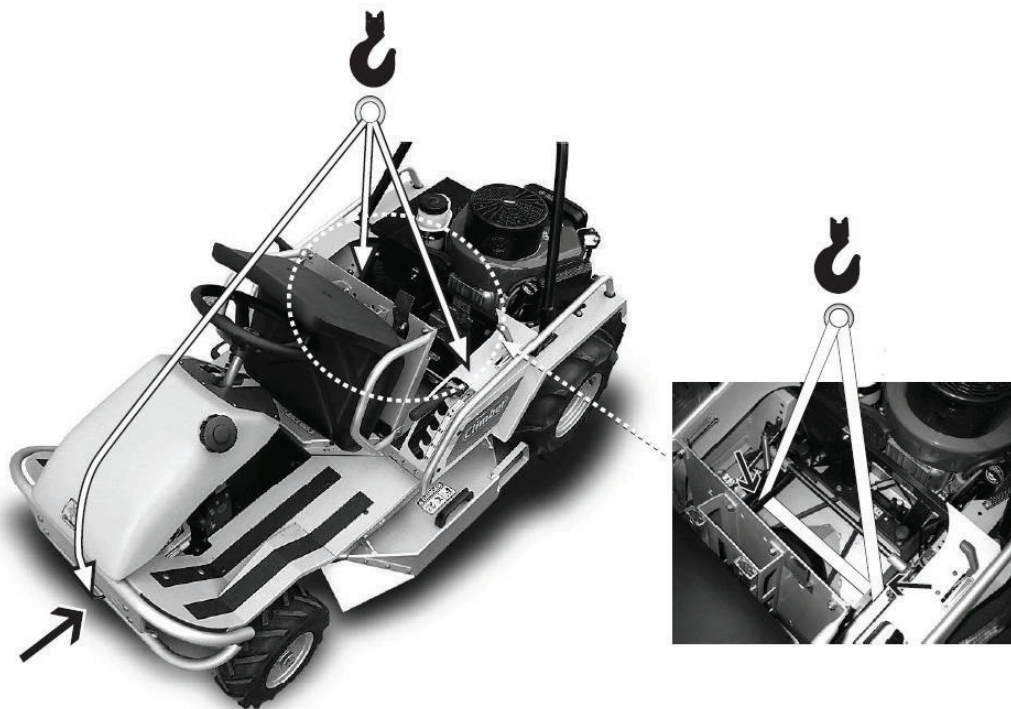
1800 mm



990 mm



1070 mm



WARNING! This arrow shows the hook-up points for lifting the machine.

ATTENZIONE! Le frecce indicano i punti di aggancio per il sollevamento della macchina.

ATTENTION! Cette flèche indique les points d'accrochage pour le levage de la machine.

ACHTUNG! Mit dieser Pfeil sind die Punkte zum Anheben der Maschine gekennzeichnet.

ATENCIÓN! Las flechas indican los puntos de enganche para el levantamiento de la máquina.

TRANSPORTING

If the machine is transported on a truck or trailer, lower the cutting deck, engage the parking brake and fasten the machine securely with ropes, cables or chains to the hauling device.

TRASPORTO

Se la macchina viene trasportata con un camion o un rimorchio, abbassare il piatto di taglio, inserire il freno di stazionamento ed assicurarla adeguatamente al mezzo di trasporto mediante funi, cavi o catene.

TRANSPORT

Si la machine doit être transportée sur un camion ou une remorque, abaisser le plateau de coupe, serrer le frein à main et la fixer solidement sur l'engin de transport avec des cordes, des câbles ou des chaînes.

TRANSPORT

Wenn die Maschine auf einem Lastwagen oder einem Anhänger transportiert wird, ist das Mähdeck zu senken, die Feststellbremse anzuziehen und die Maschine mit Seilen, Tauen oder Ketten auf dem Transportmittel sicher zu befestigen.

TRANSPORTE

Si la máquina se transporta con un camión o con un remolque, bajar el plato de corte, insertar el freno de estacionamiento y asegurarla adecuadamente al medio de transporte mediante sogas, cables o cadenas.



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(2006/42/CE, II.A)

The undersigned / Io sottoscritto / Je soussigné / Der Unterzeichner / Yo suscrito / Eu abaixo assinado:

Ing. Andrea Pinza

Authorized officer of / In qualità di legale rappresentante della / En qualité de représentant légal de la / Als rechtlicher Vertreter der / En calidad de legal representante de la / Na qualidade de representante legal da

GRILLO SPA – Via Cervese, 1701 – 47521 CESENA (FC) – ITALY

Hereby certifies that the underwritten machinery / Dichiaro che la macchina sotto indicata / Certifie que la machine indiquée ci-dessous / Bescheinigt, dass die untenstehende Maschine / Certifico que la máquina indicada a continuación / Certifica que a máquina abaixo indicada:	Authorized person to compile the relevant technical documentation / Persona autorizzata alla compilazione del fascicolo tecnico / Personne autorisée à constituer le dossier technique / Person, die bevollmächtigt ist, die technischen Unterlagen zusammenzustellen / Persona facultada para elaborar el expediente técnico / Pessoa autorizada a compilar a documentação técnica relevante:
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LAWNMOWER – RASAERBA – TONDEUSE – RASENMÄHER CORTACESPED	Ilario Rubaconti Grillo Spa Via Cervese, 1701 – 47521 CESENA (FC) – ITALY
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Machine model / Maccina tipo / Machine type / Maschine Typ / Máquina tipo : CL9.22
Serial n° / Numero / Numéro / Nummer / Número :
Engine / Motore / Moteur / Motor / Motor : BRIGGS&STRATTON INTEK 7220 PROFESSIONAL SERIES

Is in compliance with the relevant provisions of the Directive / Rispetta le disposizioni pertinenti della Direttiva / Satisfait à l'ensemble des dispositions pertinentes de la Directive / Entspricht allen einschlägigen Bestimmungen dieser Richtlinie / Cumple todas las disposiciones aplicables de la presente Directiva / Está em conformidade com as disposições relevantes da Directiva

2006/42/CE

And it is in conformity with the relevant provisions of the following EC Directives: / Inoltre essa è conforme alle disposizioni pertinenti delle seguenti direttive comunitarie: / Et elle est conforme aux dispositions pertinentes des suivantes directives communautaires: / Und stimmt mit den einschlägigen Bestimmungen folgender gemeinschaftlicher Richtlinien überein: / Y es conforme con las disposiciones pertinentes de las siguientes directivas comunitarias / E está em conformidade com as disposições relevantes das directivas comunitarias:

EN1553 – EN836

CESENA, _____

Grillo S.P.A.

NOISE LEVELS: LpA 85 dBA, with 91 cm cutting deck, at rpm 3300 engine speed.

RUMOROSITÀ: LpA 85 dBA, con piatto di taglio 91 cm e motore a 3300 giri/min.

NIVEAUX SONORES: LpA 85 dBA, avec plateau de coupe 91 cm et régime moteur de 3300 t/min.

GERÄUSCHEMISSION: LpA 85 dBA, mit 91cm Mähwerk und Motordrehzahl 3300 UpM.

NIVELES DE RUIDO: LpA 85 dBA, con plato de corte de 91 cm y motor a 3300 rpm.

VIBRAZIONI VIBRATION SCHWINGUNG VIBRACIONES m/s ²		
X	2,82	0,40
Y	1,86	0,35
Z	2,25	0,81



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