



ZERO TURN MOWER series

Type 991313



RIDING ROTARY LAWN MOWER

SAMOJÍZDNÁ SEKAČKA

AUFSITZ-SICHELMÄHER

HAVETRAKTOR MED ROTERENDE KNIVE

TRACTOR CORTACÉSPED GIRATORIO

KETASNIIDUKIGA MURUTRAKTOR

PUUTARHAKTRAKTORI PYÖRIVÄLLÄ LEIKKUUYKSIKÖLLÄ

TONDEUSE À GAZON AUTOPORTÉE ROTATIVE

TRAKTORČIĆ S OKRETNOM REZNOM GLAVOM

TRATTORINO CON UNITÀ DI TAGLIO ROTATIVA

VEJARJOVÉ SU ROTACINIU RJOVIMO AGREGATU

MINI TRAKTORS AR ROTĒJOŠU PĻAUŠANAS AGREGĀTU

RIJDENDE ROTERENDE GRASMAAIER

PLENTRAKTOR MED ROTORKLIPPER

SAMOBIEŻNA ROTACYJNA KOSIARKA TRAWNIKOWA

TRACTOR CORTADOR DE RELVA

ЕЗДА КОСИЛКА РОТОРНАЯ

JAZDECKÉ ROTAČNÁ KOSAČKA NA TRÁVU

TRAKTOR S ROTAČNOU KOSAČKOU

SITTROTORGRÄSKLIPPARE

DÖNER BIÇME MAKİNESİ SÜRME

INSTRUCTION MANUAL..... EN

INSTRUKTIONSMANUAL CS

GEBRAUCHSANWEISUNG DE

INSTRUKTIONSMANUAL DA

USO Y MANTENIMIENTO ES

KASUTUSJUHEND ET

KÄYTTÖOPAS FI

MANUEL D'UTILISATION FR

PRIRUČNIK ZA UPORABU HR

MANUALE DI ISTRUZIONI IT

VARTOJIMO INSTRUKCIJA LT

OPERATORA ROKASGRĀMATA LV

GEbruikersHANDLEIDINGNL NL

BRUKSANVISNING - VEDLIKEHOLD NO

INSTRUKCJE OBSŁUGI PL

MANUAL DE USO PT

РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ RU

PRIROČNIK Z NAVODILI SL

NÁVOD NA POUŽITIE SK

BRUKSANVISNING OCH UNDERHÅLL SV

KULLANIM KILAVUZU TR

ARIENS|CO



AriensCo
655 West Ryan Street
Brillion, Wisconsin 54110-1072
USA
Telephone
(920) 756-2141
Facsimile
(920) 756-2407

EC DECLARATION OF CONFORMITY ISSUED BY THE MANUFACTURER – ES PROHLASENÍ O SHODĚ, VYDANÉ VÝROBCEM – VOM HERSTELLER HERAUSGEGEBENE EG-KONFORMITÄTSERKLÄRUNG – OVERENSSTEMMELSCERTIFIKAT FOR MODELLER, UDDSTÅET AF FABRIKANTEN – DECLARACIÓN DE CONFORMIDAD CE EMITIDA POR EL FABRICANTE – TOOTJA VÄLJASTATUD EC-VASTAVUSDEKLARATSIOON – VALMISTAJAN ANTAMA EY-VAATIMUSTENMUKAISUUSVAKUUTUS – DÉCLARATION DE CONFORMITÉ CE ÉMISE PAR LE FABRICANT – EZ IZJAVA O SUKLADNOSTI KOJU DAJE PROIZVOĐAČ – DICHIARAZIONE DI CONFORMITÀ CE DEL PRODOTTO RILASCIATA DAL PRODUTTORE – EK GAMINTOJO ATITIKTIES DEKLARACIJA – EK ATBILSTĪBAS DEKLARĀCIJA, KURU IZDOD RAŽOTĀJS – EG- CONFORMITEITSVERKLARING, UITGEGEVEN DOOR DE FABRIKANT – EF-SAMSVARSERKLÆRING FRA PRODUSENTEN – DEKLARACJA ZGODNOŚCI Z PRZEPISAMI EC WYDANA PRZEZ PRODUCENTA – CERTIFICADO DE CONFORMIDADE DO MODELO EMITIDO PELO FABRICANTE – СОСТАВЛЕННОЕ ПРОИЗВОДИТЕЛЕМ ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ СТАНДАРТАМ И НОРМАМ ЕС – ES-IZJAVA O SKLADNOSTI, KI JO JE IZDAL PROIZVAJALEC – ES VYHLÁSENIE O ZHODE, VYDANÉ VÝROBCOM – EG-DEKLARATIONEN OM OVERENSSTÄMMELSE UTFÄRDAD AV TILLVERKAREN – ÜRETİCİ TARAFINDAN DÜZENLENEN EC UYGUNLUK BEYANI

We the undersigned, AriensCo, certify that: My, nižepodepsani, AriensCo, prohlašujeme, že: Der Unterzeichnete, AriensCo, bescheinigt, dass: Undertegnede, AriensCo, attesterer, at: Nosotros, los abajo firmantes, AriensCo, certificamos que: Meie, allakirjutatud, ETTEVÕTE ARIENS, kinnitame, et: Allekirjottanut, AriensCo, vakuuttaa, että: Nous, soussignés AriensCo, certifions que: Mi, dolje potpisani, AriensCo, potvrđujemo da: La sottoscritta società AriensCo certifica che: Mes, žemiau pasirašiusieji, „ARIENS“ kompanija, patvirtiname, jog: Mēs, zemāk parakstījušies, AriensCo, apliecinām, ka: Wij, de ondergetekenden, AriensCo, verklaren dat: Undertegnede, AriensCo, bekræfter at: My, niżej podpisani, AriensCo, oświadczamy, że: Nós, abaixo assinados, certificamos em nome da AriensCo, que: Мы (фирма ARIENS), нижеподписавшиеся, настоящим заявляем, что: Spodaj podpisani AriensCo potvrdjujemo, da je: My, spoločnosť AriensCo vyhlasujeme, že: Undertecknad, AriensCo, intygar att: Biz altta imzası bulunan, AriensCo olarak tasdik ederiz ki:

Type: Typ: Type: Tipo: Tüüp: Tyyppt: Type: Tipo: Type: Tip: Type: Tips: Type: Tipas: Tipo: Тип: Tip: Type: Typ: Tip:	Riding Rotary Lawn Mower – Samojízdná Sekačka – Aufsitz-Sichelmäher – Havetraktor med roterende knive – Tractor cortacésped giratorio – Rotor-mururtraktor – Puutarhatraktori Pyörivällä Leikkuukyksiköllä – Tondeuse à gazon autoportée rotative – Samohodna rotaciona kosilica za travu – Trattorino con unità di taglio rotativa – Savaigė žoliapjovė – Braucošais rotējošais zāles pļāvējs – Rijdende roterende grasmaaier – Plentraktør med rotorklipper – Samobiežna rotacyjna kosiarka trawnikowa – Tractor cortador de relva – езда Косилка роторная – Sedežna vrtljiva kosilnica – Jazdecké rotačná kosačka na trávu – Sitttrorgräsklippare – Döner biçme makinesi sürme
--	---

Trade Name: Obchodní název: Handelsbezeichnung: Firmanavn: Nombre comercial: Kaubamärk: Kauppanimi: Appellation commerciale: Trgovački naziv: Nome commerciale: Prekės pavadinimas: Komerčiālais nosaukums: Handelsnaam: Handelsnavn: Nazwa handlowa: Nome da Marca: Название фирмы: Trgovsko ime: Názov výrobku: Handelsbeteckning: Ticaret Unvan:	Stiga
---	-------

Model, Model Name, Serial Number: Model, název modelu, výrobní číslo: Modell, Modellname und Seriennummer: Model, Modelnavn, Seriennummer: Modelo, Nombre, N° de Serie: Model,Modell, Seriennummer: Malli, mallin nimi, sarjanumero: Modèle, nom du modèle, numéro de série: Model, Naziv modela, Serijski broj: Modello, Nome modello, Numero di serie: Modelis, Modelio pavadinimas, Serijos numeris: Modelis, Modelja nosaukums, Sērijas numurs: Model, Model Naam, Volgnummer: Modell, modellnavn, serienummer: Model, nazwa modelu, numer seryjny: Modelo, Nome do Modelo, Número de Série: Модель, наименование модели, серийный номер: Model, Ime modela, Serjska številka: Model, naziv modelu, výrobné číslo: Modell, modellnamn, serienummer: Model, Model Adi, Seri Numaras:	991313, 991313035000+
---	-----------------------

Cutting Width: Pracovní záběr: Schnittbreite: Klippebredde: Anchura de corte: Löikelaius: Leikkuuleveys: Largeur de coupe: Širina reza: Plovinio plotis: Šešėjanas platumas: Maaibreedte: Atbilst: Klippebredde: Szerokość cięcia: Largura de corte: Ширина скашивания: Širna košnje: Šírka kosenia: Klippbredd: Kesme Genişliği:	991313: 132 cm
---	----------------

Conforms to: Odpovídá normě: mit den Anforderungen der folgenden Richtlinien übereinstimmt: Er i overensstemmelse med: Cuple con: Vastab: Täyttää seuraavat vaatimukset: Est conforme à: U sukladnosti s: E conforme a: Atitinka: Voldoet aan: Er i samsvar med: Jest zgodny z: De acordo com: Coответствует: v skladu z: Je v zhode s: Overensstämmer med: Uygundur:

2006/42/EC, 2014/30/EU, 2011/65/EU - 2015/863/EU, 2000/14/EC, Annex VI - 2005/88/EC
EN ISO 5395-1: 2013 + A1: 2018, EN ISO 5395-3: 2013 + A1: 2017 + A2: 2018
EN ISO 14982: 2009, ISO 11094:1991, EN ISO 3744:1995, EN 50581: 2012

Notified Body – Pověřená osoba – Benachrichtigte Körperschaft – Bemyndiget organ – Organismo notificado – Teavitatud asutus – Entité notifiée – Organisme notifié – Obavješteno tijelo – Organismo notificado – Registruota instancija – Pieteiktā iestāde – Aangemelde instantie – Teknisk kontrollorgan – Organ – zaświadczejący – Organismo Certificador – Уполномоченным органом – Priглаšeni organ – Notifikovaný Organ – Anmält organ – Onaylanmış Kuruluş	SNCH 11, Route de Luxembourg L-5230 Sandweiler
Representative Measured Sound Power Level (L_{wa}) – Reprezentativní hodnota změřené hladiny akustického výkonu (L_{wa}) – Repräsentativer gemessener Geräuschpegel (L_{wa}) – Näitlik mõõdetud helivõimsuse tase (L_{wa}) – Repräsentativ, målt støjeffektniveau (L_{wa}) – Nivel de potencia acústica representativo medido (L_{wa}) – Tyypillinen mittattu äänitehotaso (L_{wa}) – Niveau de puissance acoustique représentatif mesuré (L_{wa}) – Reprezentativna izmerjena razina snage zvuka (L_{wa}) – Livello di potenza sonora rappresentativo rilevato (L_{wa}) – Repräsentativais izmērtais skaņas jaudas līmenis (L_{wa}) – Reprezentatív megmért hangteljesítmény szint (L_{wa}) – Būdingas išmatuotas garso galios lygis (L_{wa}) – Representatief gemeten geluidsniveau (L_{wa}) – Representativt målt lydeffektivit (L_{wa}) – Zmierzony reprezentacyjny poziom mocy akustycznej (L_{wa}) – Nivel de Potência de Som Medido Representativo (L_{wa}) – Представительный измеренный уровень звуковой мощности (L_{wa}) – Tipiņa izmērjena raven zvukne moči (L_{wa}) – Charakteristická zmeraná hladina akustického výkonu (L_{wa}) – Reprezentativ uppmätt ljudnivå (L_{wa}) – Örnek Ölçülmüş Ses Güç Seviyesi (L_{wa})	Guaranteed Sound Power Level (L_{wa}) – Zaručovaná hodnota hladiny akustického výkonu (L_{wa}) – Garantierter Geräuschpegel (L_{wa}) – Garanteret støjeffektniveau (L_{wa}) – Nivel de potencia acústica garantizado (L_{wa}) – Tagatud mõõdetud helivõimsuse tase (L_{wa}) – Taattu äänitehotaso (L_{wa}) – Niveau de puissance acoustique garanti (L_{wa}) – Zajamčena razina snage zvuka (L_{wa}) – Livello di potenza sonora garantito (L_{wa}) – Garantuotas garso galios lygis (L_{wa}) – Garantētais skaņas jaudas līmenis (L_{wa}) – Gegarandeerd geluidsniveau (L_{wa}) – Garantert lydeffektivit (L_{wa}) – Gwarantowany reprezentacyjny poziom mocy akustycznej (L_{wa}) – Nivel de Potência de Som Medido Garantido (L_{wa}) – Гарантированный уровень звуковой мощности (L_{wa}) – Zajamčena raven zvóčne moči (L_{wa}) – Zaručena hladina akustického výkonu (L_{wa}) – Garanterad uppmätt ljudnivå (L_{wa}) – Garanti Edilmiş Ses Güç Seviyesi (L_{wa})
991313: 104 dB(A)	991313: 105 dB(A)
Engine Power (Kw @ RPM): Výkon motoru při regulovaných otáčkách (Kw při ot./min): Motorleistung (kW bei U/min): Motoreffekt (Kw @ RPM): Potencia del motor (Kw @ RPM): Mootori võimsus (Kw @ RPM): Ennimmäisteho (Kw @ RPM): Puissance moteur (Kw au régime max.): Snaga motora (kW pri o/min): Potenza max. del motore (Kw a giri/min.): Varikilo galia (Kw @ RPM): Dzinēja jauda (Kw pie apgriezieniem minūtē): Motor Vermogen (Kw @ RPM): Motoreffekt (Kw @ RPM): Moc silnika (Kw przy obr./min): Potência (Kw @ RPM): Мощность двигателя (кВт при об/мин): Moć motora (kW przy wrt./min.): Výkon motora (Kw @ RPM) (Kw / ot./min.): Motoreffekt (Kw @ varvält): Motor Gücü (Kw @ RPM):	991313: 16.0 @ 2950
Chad C. Saubert: Director Product Liability and Conformance (Keeper of Technical File) / Reditelj pro odgovornost za produkt a shodu (držitel technického archivu) / Directeur de la fiabilité et de la conformité des produits (détenteur du fichier technique) / Direktor ds. odpowiedzialności za produkt i zgodności (osoba odpowiedzialna za przechowywanie dokumentacji technicznej) / Direktor Produkthaftung und Konformität (Bevollmächtigte Person zum Zusammenstellen der technischen Unterlagen) / Tootja vastutuse ja vastavuskontrolli juht (tehnilise dokumentatsiooni pidaja) / Atbildīgais par izstrādājuma saistību un atbilstību (tehnikas lietas glabātājs) / Ürün Sorumluluğu ve Uyumluluğu Direktörü (Teknik Dosya Sorumlusu) / Director de responsabilidad civil y conformidad de productos (encargado del Archivo Técnico) / Chef för produktansvar och överensstämmelse (innehavare av den tekniska dokumentationen) / Direktør for produktansvar og varekonformitet (vokter av teknisk fil) / Diretor de Responsabilidade Decorrente de Produtos e Conformidade (Responsável pelo Processo Técnico) / Direktor produktansvar og overensstemmelse (ansvarlig for teknisk dokumentation) / Direktor i odgovorna osoba za skladnost proizvoda (osoba zadužena za tehničku dokumentaciju) / Директор по вопросам качества и соответствия продукции (Хранитель технического файла) / Directeur Productaansprakelijkheid en conformiteit (houder van het technische bestand) / Direttore Responsabilità e Conformità dei Prodotti (Conservatore della documentazione tecnica) / Direktor za skladnost in odgovornost glede izdelka (skrbnik tehničnega dokumenta) / Tuotevastuu- ja vaatimustenmukaisuusjohtaja (tekniisen tiedoston pitäjä)	 AriensCo Brillion, WI 54110-1072 USA Signature – Podpis – Unterschrift – Underskrift Firma – Alkiri – Allekirjoitus – Signature – Potpis – Firma – Parašas – Paraksts – Handtekening – Signatur – Podpis – Assinatura – Подпись – Podpis – Namteekning – Imza
Darren Spencer: Authorized to Compile the Technical File / Oprávněný vytvořit technickou dokumentaci / Zur Anlage der technischen Akte ermächtigt / Autoriseret til at compilere den tekniske fil / Autorizado para compilar los archivos técnicos / Volitatus tehnilisi dokumente koostama / Valtuutettu laatimaan teknisen tiedoston / Autorisé à remplir la fiche technique / Ovlaštena osoba za pripremu tehničke arhive / Autorizzato alla compilazione del fascicolo tecnico / Įgaliojtas sudaryti techninį failą / Plinvarots sastādīt tehnisko lietu / Geautoriseerd om het technische bestand samen te stellen / Autoriseret til at produsere den tekniske filen / Uprawniony do przygotowania dokumentacji technicznej / Autorizado a Compilar o Ficheiro Técnico / Уполномочен на составление технического файла / Pooblaščenec za pripravo tehnične dokumentacije / Oprávněný na zosťavenie súboru technickej dokumentácie / Autoriserad att kompilera den tekniska filen / Teknik Dosyası Derlemeye Yetkili	 AriensCo Great Haseley Oxford OX44 7PF UK Signature – Podpis – Unterschrift – Underskrift Firma – Alkiri – Allekirjoitus – Signature – Potpis – Firma – Parašas – Paraksts – Handtekening – Signatur – Podpis – Assinatura – Подпись – Podpis – Namteekning – Imza

TABLE OF CONTENTS

WELCOME	1	Maintenance Schedule	19
SAFETY	2	Service Parts	19
Practices & Laws	2	Hour / Maintenance Meter	19
Required Operator Training	2	Check Safety Interlock System	20
Safety Alert Symbol	2	Check Parking Brake	20
Signal Words	2	Check Engine Oil	20
Safety Decals	2	Check Tyre Pressure	20
Safety Rules	6	Check Fasteners	20
ASSEMBLY	11	Lubricate Unit	20
CONTROLS AND FEATURES	13	Check Mower Blades	21
Ignition Key	14	Battery Service	22
Throttle Control Lever	14	Check Mower Belts	23
Power-Take-Off (PTO) Knob	14	Check Hydraulic System	23
Hour Meter	14	SERVICE & ADJUSTMENTS	24
Height-of-Cut Adjustment System	14	Adjust Seat	24
Transport Lock Release Lever	15	Adjust Steering Levers	25
Deck Lift Pedal	15	Adjust Unit to Drive Straight	26
Seat Adjustment Lever	15	Adjust Transaxles	26
Parking Brake Lever	15	Electrical Service	27
Safety Interlock System	15	Replace Mower Belts	28
Steering Levers	15	Replace Transaxle Drive Belt	30
Transaxle Bypass Levers	15	Reverse Clutch Brake Plates	31
Anti-scalp Wheels	15	Adjust Anti-Scalp Wheels	32
OPERATION	16	Adjust Parking Brake Lever	32
Emergency Stopping	16	Remove and Install Mower Deck	32
Before Operating Unit	16	Level and Pitch Mower Deck	33
Start the Engine	16	TROUBLESHOOTING	36
Operate Unit	17	STORAGE	38
Stop the Engine	17	Short-Term Storage	38
Move Unit Manually	18	Long-Term Storage	38
Transport Unit	18	Start-of-Season Preparation	38
Release transport lock	18	ACCESSORIES	38
MAINTENANCE	18	SPECIFICATIONS	39
Service Position	18		

Congratulations on your purchase and welcome to the Stiga family! Every machine in the Stiga lineup is designed for long-lasting and unsurpassed performance. We are confident your machine will be part of your family for many years to come.

MANUALS

Before operating or servicing the unit, carefully and completely read the manuals provided with the unit. They contain safety instructions and important information about unit controls.

The engine on this unit is covered by a separate manual. Refer to the engine manual for engine service recommendations. Contact the engine manufacturer for a replacement manual if necessary.

It is your responsibility to read and understand all safety precautions and instructions in the manuals. If you do not understand or have difficulty following the instructions, contact your Stiga dealer for assistance. To locate your nearest dealer, go to stiga.com.

DISCLAIMER

Stiga reserves the right to discontinue, make changes to, and add improvements upon its products at any time without public notice or obligation. The descriptions and specifications contained in this manual were in effect at printing. Equipment described in this manual may be optional. Some illustrations may not be applicable to your unit.

SAFETY

Read these safety rules and follow them closely. Failure to follow these rules could lead to loss of control of unit, severe personal injury or death to you or bystanders, or result in damage to property or the machine.

PRACTICES & LAWS

Practice usual and customary safe working precautions. Learn applicable rules and laws in your area. Always follow the practices set forth in this manual.

REQUIRED OPERATOR TRAINING



Read and understand the Operator's Manual and decals on the unit. This information is for your safety and the proper use of your equipment.

Failure to follow these

instructions and warnings may cause death or serious injury. If you have purchased this product from an Stiga dealer, the dealer can provide you with training.

Familiarize yourself and any other operators with all controls and the safe use of the features of this unit. If you loan, rent or sell this product to others, provide them with all manuals.

Do not use this equipment if, after reading the Operator's Manual and the on-board decals, you have any questions about the safe use of this product.



WARNING: AVOID INJURY.

This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the safety instructions in the manuals and on decals could result in serious injury or death.

SAFETY ALERT SYMBOL



This is the safety alert symbol. It means:

- **ATTENTION!**
- **YOUR SAFETY IS INVOLVED!**

When you see this symbol:

- **BECOME ALERT!**
- **OBEY THE MESSAGE!**

SIGNAL WORDS

The safety alert symbol above and signal words below are used on decals and in this manual. Read and understand all safety messages.

1. Danger



DANGER: Indicates an **IMMINENTLY HAZARDOUS SITUATION!** If not avoided, **WILL RESULT** in death or serious injury.

2. Warning



WARNING: Indicates a **POTENTIALLY HAZARDOUS SITUATION!** If not avoided, **COULD RESULT** in death or serious injury.

3. Caution



CAUTION: Indicates a **POTENTIALLY HAZARDOUS SITUATION!** If not avoided, **MAY RESULT** in minor or moderate injury. It may also be used to alert against unsafe practices.

4. Notice

NOTICE: Indicates information or procedures that are considered important but not hazard related. If not avoided property damage could result.

5. Important

IMPORTANT: Indicates general reference information worthy of special attention.

SAFETY DECALS

The safety decals on your machine are visual reminders of the important safety information in this manual. All messages on your unit must be fully understood and carefully followed. Safety decals on the machine are explained below.

ALWAYS replace missing or damaged safety decals. Replacement decal part numbers are found in the parts manual for your machine and may be ordered from your dealer.

See Figure 1 for safety decal locations.

Safety Decal Locations

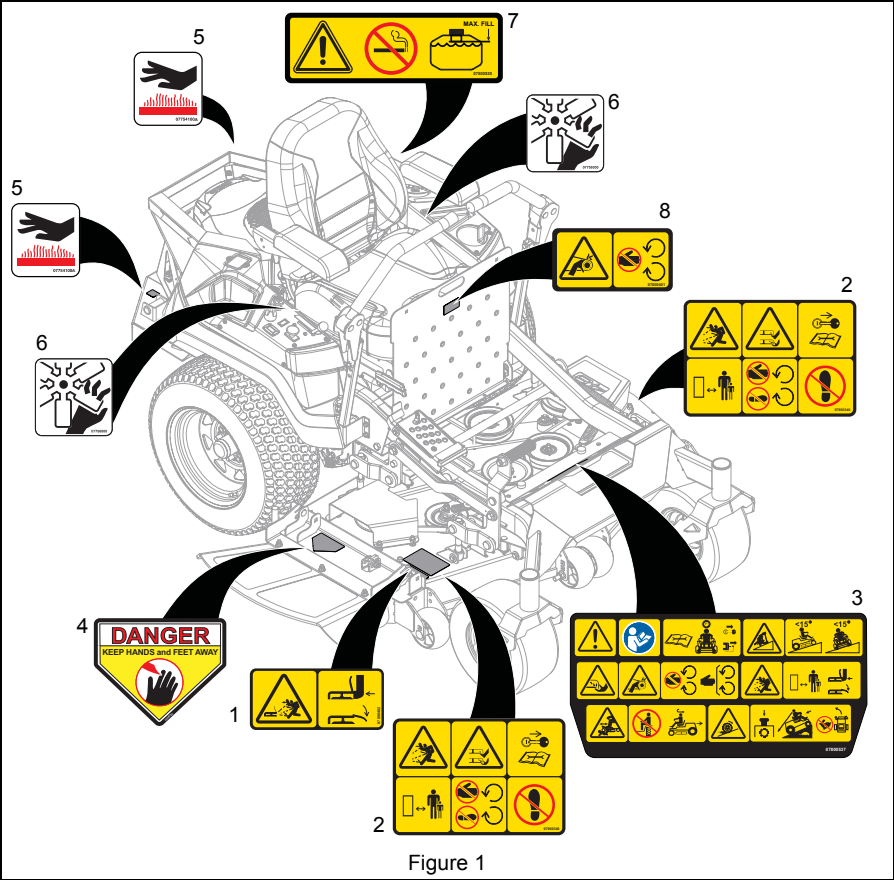


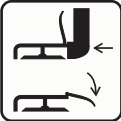
Figure 1

Safety Decal Descriptions

1. DANGER!



Discharge Hazard - NEVER operate unit without discharge chute in operating position. Thrown objects can cause injury or damage.



DO NOT operate mower unless all guards are in operating position or bagger is attached.

2. DANGER!



Discharge Hazard - NEVER direct discharge toward people, pets or property. Thrown objects can cause injury or damage.



Amputation Hazard - NEVER stick hands or feet under deck or shielded areas.



Shut off engine, remove key, and read manual before servicing or making adjustments to unit.



Keep children and others away from unit while unit is in operation.



Keep feet and hands away from all rotating or moving parts.



DO NOT step or stand in this area.

3. DANGER!



DANGER!



Read and understand the operator's manual before operating unit.

3.1 Amputation Hazard



To avoid amputation hazard DO NOT put hands near rotating blades.



To avoid amputation hazard DO NOT put hands near moving belts.



Keep hands away from all rotating or moving parts.



Keep all guards and shields in place.

3.2 Discharge Hazard



Discharge Hazard - NEVER direct discharge toward people, pets or property. Thrown objects can cause injury or damage.



DO NOT operate mower unless all guards are in operating position or bagger is attached.



Keep children and others away from unit while unit is in operation.

3.3 Tipping Hazard



Avoid tipping hazard.



DO NOT operate on slopes over 15°.



DO NOT operate on slopes over 15°.

3.4 Service Hazard



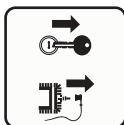
Before servicing unit do the following:



Read owners manual before servicing or making adjustments to unit.



Set parking brake.



Remove key and disconnect spark plug before servicing or making adjustments to unit.

3.5 Bystander Hazard



DO NOT operate the unit in the presence of bystanders.



DO NOT carry passengers.

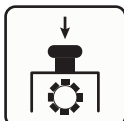


Look behind when operating the unit in reverse.

3.6 Loss of Traction Hazard



If loss of traction is experienced do the following:



Disengage PTO.



Proceed off slope slowly.



DO NOT try to turn or speed up.

4. DANGER!



ALWAYS keep hands and feet away from discharge chute.

5. HOT PARTS!



DO NOT touch parts which are hot from operation. ALWAYS allow parts to cool.

6. ROTATING PARTS!



AVOID INJURY. Stay clear of rotating parts.

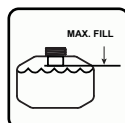
7. DANGER!



DANGER!



No smoking.



IMPORTANT: DO NOT overfill. Fill fuel tank to below bottom of filler neck.

WARNING: Overfilling may cause severe damage to evaporative system!

- NEVER fill fuel tank when engine is running, hot or unit is indoors. NEVER overfill fuel tank.
- Replace fuel cap securely and clean up spilt fuel.

8. DANGER!



To avoid amputation hazard DO NOT put hands near moving belts.



Keep hands away from all rotating or moving parts.

SAFETY RULES

The following safety instructions are based on ISO 5395 in effect at the time of production.

Training
Read, understand, and follow all instructions on the machine and in the manual(s) before starting.
Be sure the area is clear of bystanders and pets before operating. Stop machine if anyone enters the area.
Improper use of power equipment can cause serious permanent injury or death to the operator or a bystander. Understand: • How to operate all controls • The functions of all controls • How to STOP in an emergency • Braking and steering characteristics • Turning radius and clearances If the operator or the mechanic cannot read the manual, it is the owner's responsibility to explain it to them.
ALWAYS train any inexperienced operators and require them to read and understand all manuals and decals.
Only allow responsible adults, who are familiar with the instructions, to operate this machine.
Only the operator can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.

Operator Age
DO NOT allow children under the age of 18 to operate any outdoor power equipment.
Local regulations may restrict the age of the operator.
Data indicates operators aged 60 years and above are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.

Children
Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. NEVER assume that children will remain where you last saw them.
Be alert and turn machine off if a child enters the area.
Before and while reversing, look behind and down for small children.
NEVER carry children, even with the blade(s) shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or reversed over by the machine.
NEVER allow children to operate the machine.
Use extreme care when approaching blind corners, shrubs, trees or other objects that may block your view of a child.
Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.

Personal Protection
DO NOT wear loose clothing or jewelry and tie back hair that may get caught in rotating parts.
Wear adequate outer garments.
NEVER wear open sandals or canvas shoes during operation. Wear adequate safety gear, protective gloves and footwear.
Wear proper footwear to improve footing on slippery surfaces.
ALWAYS wear eye and ear protection when operating machine.

Before Operating
Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
Maintain the machine to be in compliance with the maintenance schedule.
Clean grass and debris from unit, especially from around muffler and engine, to help prevent fires.
Check parking brake operation frequently. Adjust and service as required.

Inspect unit before each use for missing or damaged decals and shields, correctly operating safety interlock system, and deterioration of grass catchers. Replace or repair as needed.
Ensure Safety Interlock System is functioning properly. DO NOT operate unit if safety interlock is damaged or disabled.
Start and operate unit only when seated in the operator's position. Steering control levers must be in neutral, PTO disengaged and the parking brake set when starting engine.
NEVER interfere with the intended function of a safety device or reduce the protection provided by a safety device. Check their proper operation regularly.
Keep machine free of grass, leaves or other debris build-up. Clean up oil or fuel spillage and remove any fuel-soaked debris.

Operation

Ensure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
NEVER operate machine in a closed or poorly-ventilated area.
ALWAYS maintain unit in safe operating condition. Damaged or worn out muffler can cause fire or explosion.
This product is equipped with an internal combustion type engine. DO NOT use unit on or near any unimproved, forest-covered or brush-covered land unless the exhaust system is equipped with a spark arrester meeting applicable local, state or federal laws. A spark arrester, if it is used, must be maintained in effective working order by the operator.
DO NOT operate machine while feeling tired, ill or under the influence of alcohol or other drugs.
DO NOT put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
DO NOT touch parts which are hot. Allow parts to cool.
DO NOT operate machine without the entire grass catcher, discharge guard or other safety devices in place and working.
ALWAYS keep hands and feet away from all pinch points.
Avoid slippery surfaces. ALWAYS be sure of your footing.

NEVER carry passengers.
NEVER direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade(s) when crossing gravel surfaces.
NEVER engage PTO when attachment, including mower blades, is not in use. ALWAYS turn off power to the attachment when not in active use such as travelling or crossing driveways.
ALWAYS disengage PTO, stop unit and engine, remove key, engage parking brake and allow moving parts to stop before leaving the operator's position.
NEVER engage PTO while raising the attachment, including mower blades, or when attachment is in the raised position.
Keep safety devices or guards in place and functioning properly. NEVER modify or remove safety devices.
DO NOT mow in reverse unless absolutely necessary. ALWAYS look down and behind before and whilst reversing.
Stop engine before removing grass catcher or unclogging chute.
Slow down before turning.
If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
NEVER leave a running machine unattended. ALWAYS turn off blade(s), set parking brake, stop engine and remove key before dismounting.
Disengage blade(s) when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grass catcher, or unclogging the discharge guard.
Know the weight of loads. Limit loads to those you can safely control and the unit can safely handle.

Operating Conditions

Lightning can cause severe injury or death. If lightning is seen or thunder is heard in the area, do not operate the machine, seek shelter.
ALWAYS check overhead and side clearances carefully before operation.
Watch for traffic when operating near or crossing roadways.

Clear the area of objects such as rocks, wire, toys, etc., which could be thrown by the blades.
Check for weak spots on docks, ramps or floors. Avoid uneven work areas and rough terrain. Stay alert for hidden hazards or traffic.
Use care when approaching blind corners, shrubs, trees or other objects that may obscure vision.
Dust, smoke, fog, etc. can reduce vision and cause an accident.
Operate machine only in daylight or good artificial light.

Slope Operation

Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or death. Operation on all slopes requires extra caution. If you cannot reverse up the slope or if you feel uneasy on it, DO NOT mow it.
DO NOT operate on slopes of more than 15°.
Mow up and down slopes, not across.
ALWAYS keep the machine in gear when going down slopes. DO NOT shift to neutral and coast downhill.
Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
DO NOT mow on moist or wet grass. Tyres may lose traction causing a loss of control.
Use extra care whilst operating the machine with grass catchers or other attachments; they can affect the stability of the machine. DO NOT use on steep slopes.
Keep all movements on the slope <i>slow</i> and <i>gradual</i> . DO NOT make sudden changes in speed or direction, which could cause the machine to roll over.
Avoid starting, stopping, or turning on a slope. If the tyres lose traction, disengage the blade(s) and proceed slowly straight down the slope.
Operation on slopes may lead to loss of steering control. When operating on slopes be prepared to react to an emergency situation: • Return steering levers to neutral position. • Immediately set parking brake. • Turn off PTO and engine.

DO NOT try to stabilize the machine by putting your foot on the ground.
DO NOT park on slopes unless necessary. When parking on slopes ALWAYS chock or block wheels. ALWAYS set parking brake.
Choose a low ground speed so you will not have to stop or shift whilst on a slope.
DO NOT mow near drop-offs, ditches, or embankments. The machine could suddenly roll over if a wheel goes over the edge or if the edge caves in.
DO NOT bypass transmission or allow transmission to free-wheel when on a slope.

Fuel

To avoid personal injury or property damage, use extreme care in handling fuel. fuel is extremely flammable and the vapors are explosive.
Ethanol blends must not exceed E10. Higher ethanol content may cause your machine to run hotter and damage your engine.
Replace fuel cap securely and clean up spilt fuel before starting engine.
Extinguish all cigarettes, cigars, pipes and other sources of ignition.
Use only an approved fuel container.
NEVER store the machine or fuel container where there is an open flame, spark or pilot light such as on a water or space heater or other appliances.
NEVER fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. ALWAYS place containers on the ground away from your vehicle before filling.
NEVER fuel the machine indoors.
NEVER remove fuel cap or add fuel with the engine running. Allow engine to cool before fueling.
Fuel is highly flammable and its vapors are explosive. Handle with care. Use only an approved fuel container with an appropriately-sized dispensing spout. NO smoking, NO sparks, NO flames.
Remove fuel-powered equipment from the trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.

Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. DO NOT use a nozzle lock-open device.
NEVER overfill fuel tank. Replace fuel cap and tighten securely.
If fuel is spilt on clothing, change clothing immediately.

Towing

Follow the manufacturer's recommendations for weight limits for towed equipment and towing on slopes.
NEVER allow children or others in or on towed equipment.
Tow only with a machine that has a hitch designed for towing. DO NOT attach towed equipment except at the hitch point.
On slopes, the weight of the towed equipment may cause loss of traction and loss of control.
Travel slowly and allow extra distance to stop.

Accessories

Follow the manufacturer's recommendation for wheel weights or counterweights
Check the discharge guard frequently and replace with the manufacturer's recommended parts, when necessary.
Use only Stiga-recommended attachments that are appropriate to your use and can be used safely in your application.

Batteries

Avoid electric shock. Objects contacting both battery terminals at the same time may result in injury and unit damage. DO NOT reverse battery connections.
Reverse connections may result in sparks which can cause serious injury. ALWAYS connect positive (+) lead of charger to positive (+) terminal, and negative (-) lead to negative (-) terminal.
ALWAYS disconnect negative (-) cable FIRST and positive (+) cable SECOND. ALWAYS connect positive (+) cable FIRST, and negative (-) cable SECOND.
Explosive gases from a battery can cause death or serious injury. Poisonous battery fluid contains sulfuric acid and its contact with skin, eyes or clothing can cause severe chemical burns.

No flames, No sparks, No smoking near battery.
ALWAYS wear safety glasses and protective gear near battery. Use insulated tools.
ALWAYS keep batteries out of reach of children.
Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm. Wash hands after handling.

Service

The use of non-genuine replacement parts or accessories could adversely affect machine operation and safety.
Do not change the engine governor setting or overspeed the engine.
Maintain or replace safety and instruction labels as necessary.
Keep unit free of debris. Clean up oil or fuel spills.
ALWAYS block wheels and know all jack stands are strong and secure and will hold weight of unit during maintenance.
Release any pneumatic or hydraulic pressure from components slowly.
NEVER attempt to make any adjustments to unit while engine is running (except where specifically recommended). Stop engine, remove key and spark plug wire and wait for all moving parts to stop before servicing or cleaning.
Lower cutting deck unless a positive mechanical lock is used.
Allow engine to cool before servicing.
Moving parts can cut or amputate fingers or a hand. On multiblade mowers, rotation of one blade will cause all blades to rotate.
NEVER weld or straighten mower blades.
NEVER make adjustments or repairs with the engine running.
Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
ALWAYS keep body and hands away from pin holes or nozzles which eject hydraulic fluid under pressure.

Transporting Unit

Use extra care when loading or unloading the machine into a trailer or truck.

Secure unit chassis to transport vehicle. NEVER secure from rods or linkages that could be damaged.

DO NOT transport machine while engine is running.

ALWAYS turn off power to attachment and shut off fuel when transporting unit.

Storage

NEVER store unit with fuel in fuel tank inside a building where any ignition sources are present.

Keep machine free of grass, leaves or other debris build-up. Clean up oil or fuel spillage and remove any fuel-soaked debris. Allow machine to cool before storing.

For extended storage, close fuel shut off valve and clean unit thoroughly. See engine manual for proper storage.

Insuring Your Lawnmower

Check the insurance on your lawnmower.

Contact your insurance company.

You ought to have fully comprehensive insurance for traffic, fire, damage and theft.

ASSEMBLY



WARNING: AVOID INJURY.
Read and understand the
Safety section before
proceeding.

1. Remove wrap and packaging materials from unit.
2. Remove unit from shipping container. See *Move Unit Manually* on page 18.
3. Remove hardware from negative (-) battery cable, but DO NOT discard.
4. Secure negative (-) battery cable to negative (-) battery terminal with hardware removed in step 3.
5. Return seat to operating position. See Figure 2.

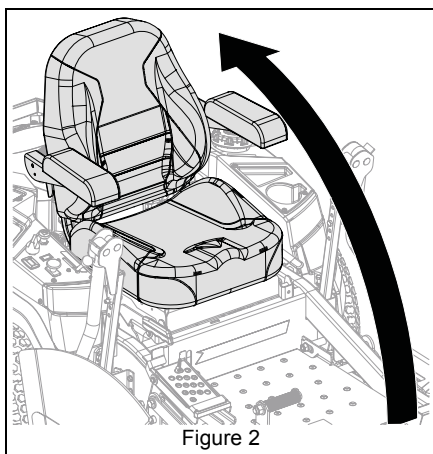


Figure 2

6. Remove two bolts, two nuts, one washer and one spacer from each side of discharge chute bracket. See Figure 3.

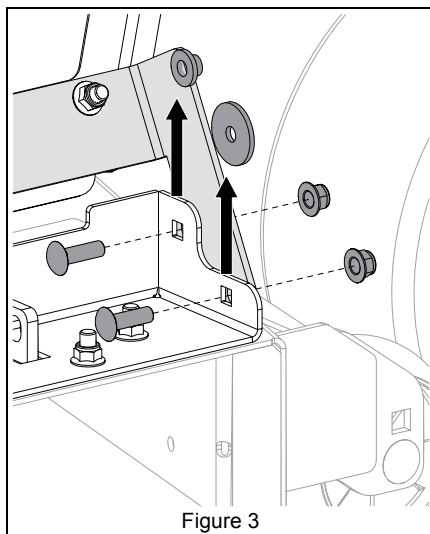


Figure 3

7. Rotate discharge chute 180 degrees. See Figure 4.

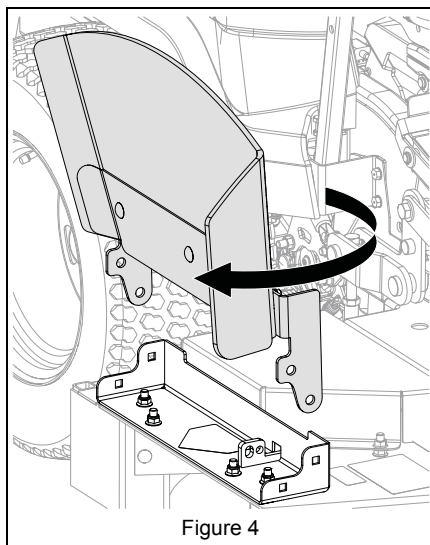


Figure 4

8. Place the discharge chute in the operating position. Ensure holes are aligned. See Figure 5.

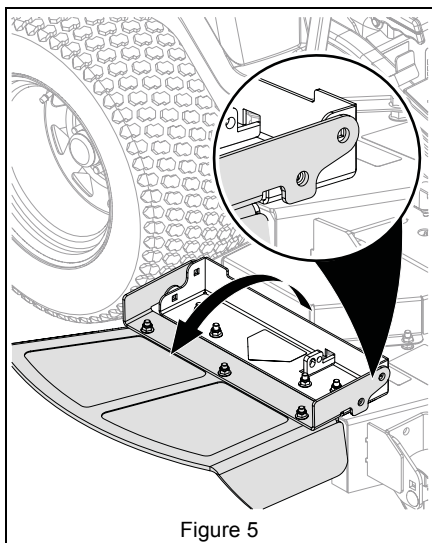


Figure 5

9. Reinstall original hardware on each side of discharge chute assembly. Install spacer in upper hole and washer in lower hole between mounting brackets. See Figure 6.

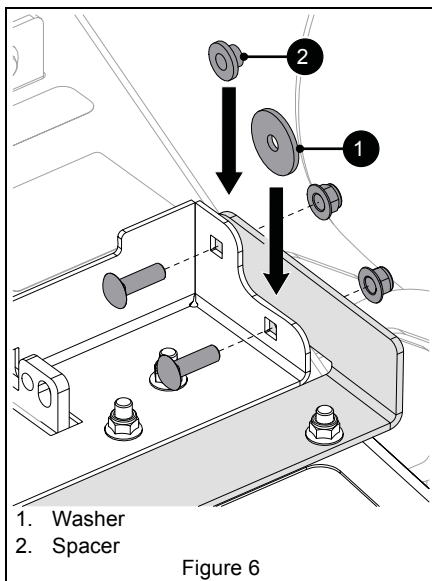


Figure 6

10. Remove two eccentric spacers, two round head square neck bolts and two locking nuts from hardware bag.

11. Rotate steering levers to operating position and install eccentric spacer between steering lever plates. Secure with hardware. See Figure 7.

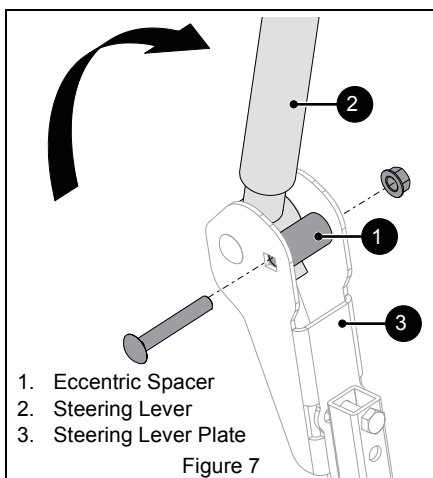


Figure 7

12. Adjust steering levers. See *Adjust Steering Levers* on page 25.
13. Check tyre pressures and inflate to recommendation. See *Check Tyre Pressure* on page 20. See *Specifications* on page 39.
14. Make sure deck is level. See *Level and Pitch Mower Deck* on page 33.
15. Ensure all hardware is tight.

CONTROLS AND FEATURES

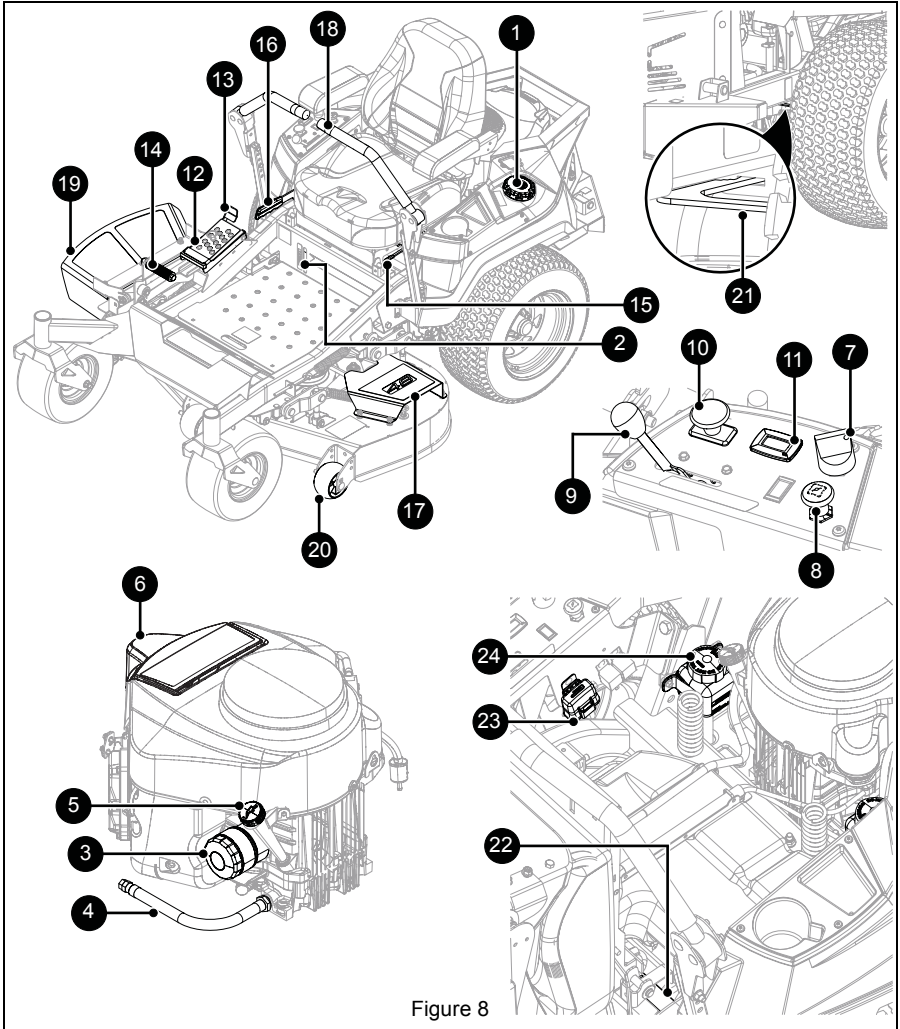


Figure 8

- | | |
|-------------------------------------|--------------------------------------|
| 1. Fuel Tank and Cap | 13. Transport Lock Release Lever |
| 2. Fuel Level Window | 14. Deck Lift Pedal |
| 3. Oil Filter | 15. Seat Adjustment Lever |
| 4. Oil Drain | 16. Parking Brake Lever |
| 5. Engine Oil Dipstick | 17. Belt Cover (3) |
| 6. Air Filter | 18. Steering Lever (2) |
| 7. Ignition Key | 19. Discharge Chute |
| 8. Choke Control Knob | 20. Anti-Scale Wheel (6) |
| 9. Throttle Control Lever | 21. Transaxle Bypass Lever (2) |
| 10. Power Take-off (PTO) Knob | 22. Battery (Under Seat) |
| 11. Hour Meter | 23. Fuse Box |
| 12. Height-of-Cut Adjustment System | 24. Hydraulic Oil Expansion Tank (2) |



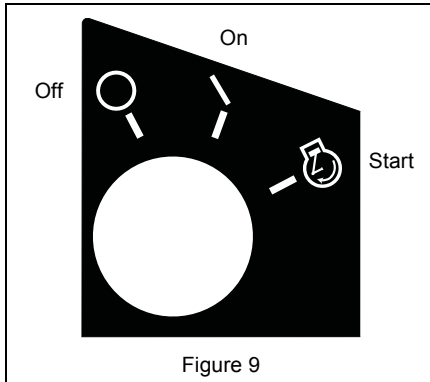
WARNING: AVOID INJURY.
Read and understand the
Safety section before
proceeding.

See Figure 8 for all controls and features locations.

IGNITION KEY

See Figure 9.

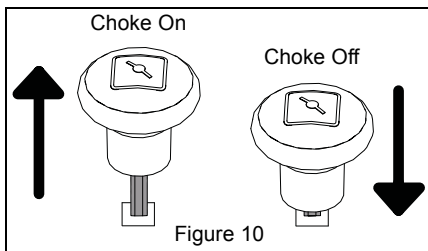
Controls power to the engine. The key cannot be removed when in run position.



CHOKE CONTROL KNOB

See Figure 10.

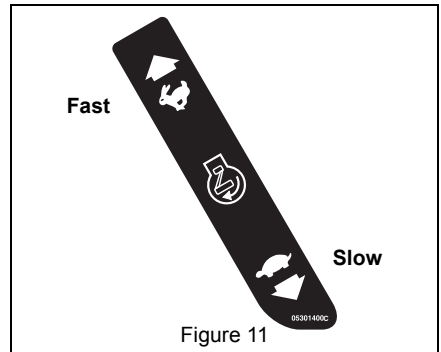
Controls airflow to the engine.



THROTTLE CONTROL LEVER

See Figure 11.

Controls engine speed.



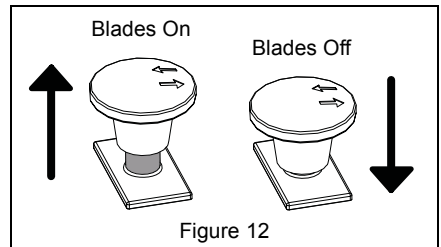
POWER-TAKE-OFF (PTO) KNOB

See Figure 12.

Controls power to mower blades. The engine will not start with the PTO knob in the on position.



WARNING: AVOID INJURY.
Blades will not *immediately*
stop after pushing PTO knob
down to off position.



HOUR METER

Displays the amount of time spent on individual jobs, service alerts, and recommended service intervals.

HEIGHT-OF-CUT ADJUSTMENT SYSTEM

Sets the height of cut.

TRANSPORT LOCK RELEASE LEVER

See Figure 13.

Releases deck from transport lock position.

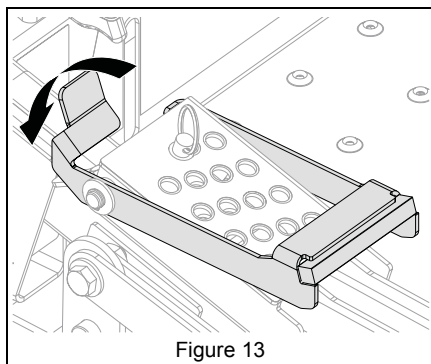


Figure 13

DECK LIFT PEDAL

Raises mower deck to change height-of-cut setting.

SEAT ADJUSTMENT LEVER

Unlocks seat to allow operator to move seat forward or backward and then lock in desired position.

PARKING BRAKE LEVER

See Figure 14.

Controls the parking brake. The engine will not start with brake in the off position.

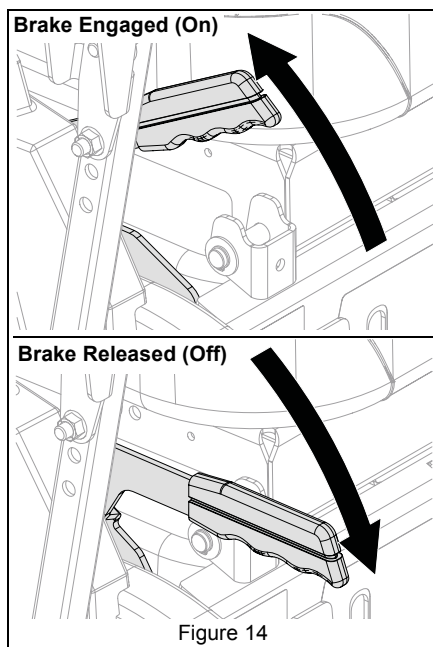


Figure 14

SAFETY INTERLOCK SYSTEM

Monitors the interaction of various unit features for operator safety.

STEERING LEVERS

Control the direction and speed of unit. To stop unit, return both steering levers to neutral.

TRANSAXLE BYPASS LEVERS

Engage and disengage the transaxles so unit may be moved with the engine off.

ANTI-SCALP WHEELS

Help prevent the deck from contacting the ground and scalping the lawn when passing over a high spot.

OPERATION



WARNING: AVOID INJURY.
Read and understand the
Safety section before
proceeding.

IMPORTANT: All references to left, right, front or rear are given from the perspective of operator in operator's position, facing the direction of forward travel.

EMERGENCY STOPPING

1. Move steering levers to neutral position.
2. Set parking brake.
3. Push PTO knob down to off position.
4. Turn ignition key to off position and remove key.

BEFORE OPERATING UNIT

1. Check fuel level and add fuel if needed.

IMPORTANT: Use lead-free petrol only. DO NOT mix petrol with oil. Petrol is perishable and should not remain in the tank for more than 30 days. The use of ecological fuels, i.e. alkylate petrol, is possible and the composition of this petrol is less harmful to people and the environment. No negative effects linked to the use of this petrol have been reported, but always consult the instructions and data provided by the producer of the alkylate-based petrol. Empty the fuel tank completely before storing machine for a prolonged period (e.g. over the winter).

2. Check engine oil level and add oil if needed. Refer to engine manual.
3. Check condition of air cleaner. Refer to engine manual.
4. Check function of the Safety Interlock System by performing the tests in *Check Safety Interlock System* on page 20. Contact your Stiga dealer for repair if any of the tests fail.
5. Set cutting height. See Figure 15.
 - a. Push mower lift pedal forward until transport lock engages.
 - b. Insert adjustment pin through desired setting in height-of-cut adjustment system.
 - c. Push mower lift pedal slightly forward, release transport lock and slowly release pedal until it contacts adjustment pin and stops.

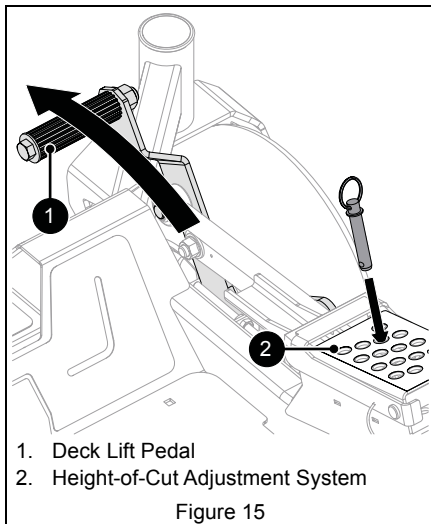


Figure 15

START THE ENGINE

1. Push PTO knob down to off position.
2. Move steering levers to neutral position.
3. Engage parking brake.
4. If engine is cold, pull choke knob up to on position. If engine is warm or hot, turn choke off.
5. Set throttle to slow speed.
6. Insert ignition key and turn to start position. Release key when engine starts.

NOTICE: Do not operate the starter for more than 10 seconds at a time. If the engine does not start, allow a 60-second cool down period between starting attempts.

7. If choke is on, wait a few seconds after engine starts and then push choke knob down to off position.

IMPORTANT: Make sure choke is completely off. Engine will not run smoothly using partial choke.

OPERATE UNIT

1. Release parking brake.

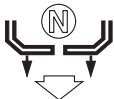
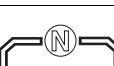


WARNING: AVOID INJURY.
Move the steering levers slowly and keep the throttle at slow speed until you learn how to operate the unit.

2. Set throttle to slow speed.
3. Pull PTO knob up to on position.

IMPORTANT: Never engage the PTO if the mower is clogged with grass or other material. This may cause damage to the electric clutch.

4. Move throttle control lever to fast.
5. Move steering levers to begin mowing.

Direction of Travel	Lever Position
Forward	Push both levers forward from neutral position. 
Reverse	Pull both levers backward from neutral position. 
Right Turn	Push left lever farther forward than the right lever. 
Left Turn	Push right lever farther forward than the left lever. 
Stop	Return both levers to neutral position. 

IMPORTANT: Aggressive turning can scuff or damage lawns. Always keep both wheels rotating when making sharp turns. DO NOT make turns with inside wheel completely stopped. For minimum turning radius, slowly reverse inside wheel while moving outside wheel slowly forward.

For Best Mowing Results

- Cut grass when it is dry.
- Keep mower blades sharp.
- Keep mower deck properly levelled.
- Adjust anti-scalp wheels to prevent scalping.
- Do not set height of cut too low. For very tall grass, mow twice.
- Do not travel too fast.
- Mow with the engine set at full throttle.
- When mulching, only remove 1/3 of grass length per cutting. Do not cut more than 2.5 cm (1") at any one time.
- Discharge clippings into areas already cut.
- Vary cutting pattern with each mowing.
- Do not allow grass or debris to collect inside of mower deck. Clean after each use.

STOP THE ENGINE



WARNING: AVOID INJURY.
Wait for all moving parts to stop before leaving operator's position.

1. Place steering levers in neutral position and rotate outward.
2. Engage parking brake.
3. Push PTO knob down to off position.
4. Set throttle to slow speed.
5. Turn ignition key to off position and remove key.

MOVE UNIT MANUALLY

Bypass the transaxles to move the unit with the engine off.

IMPORTANT: There is one transaxle bypass lever on each side of unit. Ensure that both levers are fully in front or rear position.

1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool. See *Stop the Engine* on page 17.
2. Pull both transaxle bypass levers out into bypass position. See Figure 16.

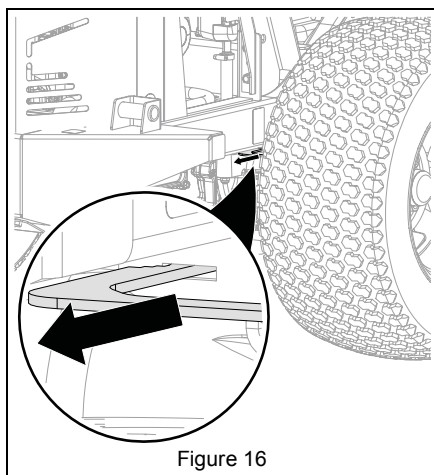


Figure 16

3. Release parking brake and push unit to desired location.
4. Engage parking brake.
5. Return transaxle bypass levers to operating position. See Figure 17.

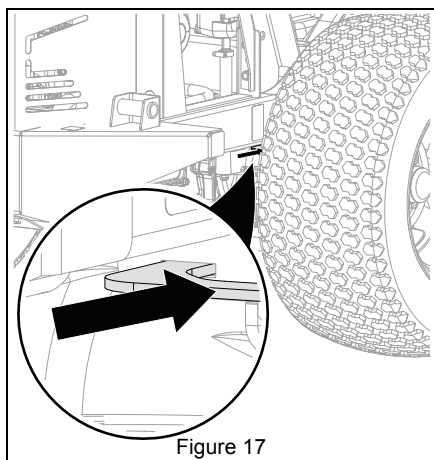


Figure 17

TRANSPORT UNIT

1. Push deck lift pedal completely forward to engage transport lock. Release pedal.
2. Move unit to transport vehicle.
3. Stop engine, engage parking brake, remove key from ignition.
4. Secure mower frame to transport vehicle.

NOTICE: NEVER secure unit to vehicle from rods or linkages that could be damaged.

RELEASE TRANSPORT LOCK

1. Push deck lift pedal forward and lift transport lock release lever.
2. Slowly return mower lift pedal to resting position.

MAINTENANCE



WARNING: AVOID INJURY.
Read and understand the *Safety* section before proceeding.

Proper maintenance can prolong the life of unit. The *Maintenance Schedule* on page 19 shows the recommended service schedule.

Your Stiga dealer can provide service and adjustments to keep your unit operating at peak efficiency. Contact an authorized engine manufacturer's service center for engine service.

More frequent service may be required due to working conditions (heavy loads, high ambient temperatures, dusty conditions, or airborne debris).

See the maintenance instructions in the Engine Manual for additional information.

SERVICE POSITION

See Figure 18.

1. Park unit on a flat, level surface.
2. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
3. Engage parking brake.
4. Chock wheels. Strap and clamp unit onto lift, if used.
5. Place steering levers in neutral position and rotate outward.
6. Rotate seat forward.

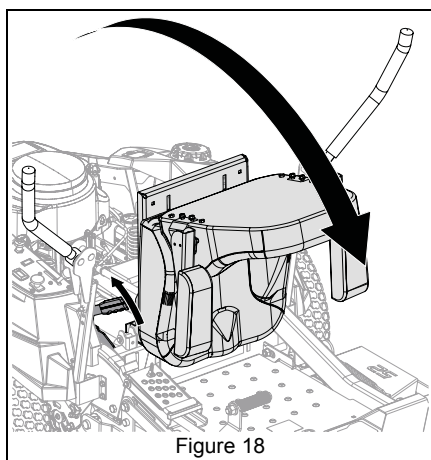


Figure 18

MAINTENANCE SCHEDULE

Service Performed	Each Use	Every 25 hrs.	Every 50 hrs.	Every 100 hrs.	Every 400 hrs.
Check Safety Interlock System	•				
Check Hydraulic System	•				
Check Parking Brake	•				
Check Engine Oil *	•				
Change Engine Oil *					
Check Tyre Pressure	•				
Check Mower Blades	•				
Check Battery		•			
Clean Battery		•			
Check Air Filter *			•		
Check Fasteners			•		
Lubricate Unit			•		
Clean Engine Cooling System*				•	
Check Belts				•	
Change Hydraulic Oil and Filter **					•

* Refer to engine manual for instructions.
 **Change after first 75 hours of operation.

SERVICE PARTS

See your Stiga dealer to purchase service parts for your unit.

HOOR / MAINTENANCE METER

Hour Meter-only Models

Hour meter measures engine runtime and cannot be reset.

Maintenance Models

See Figure 19.

When the key is in the on position, the Timer mode displays. Press the Mode button to toggle between different modes.

Timer: Measures engine runtime until reset. To reset the timer, press the Mode button to select TMR1 mode and then hold Mode button for 3 seconds.

IMPORTANT: Turn ignition key to the off position when unit is not in use. Some meters may count hours when the key is in the on position, even if the engine is off. This results in inaccurate maintenance intervals.

Service Alerts: Counts down hours until service is needed and displays "Now" when service is due. Service time is measured for:

- Engine oil and filter changes (CHG OIL)
- Hydraulic oil and filter changes (CHG H OIL)
- Air filter service (SVC AIRFILTER)

The service intervals preset into the hour meter are:

- Hydraulic oil and filter: First 75 hours and every 400 hours thereafter
- Engine oil and filter: First 25 hours and every 100 hours thereafter
- Air filter: Every 100 hours

NOTICE: The preset engine oil services intervals are normal recommended intervals. Specific engine manufacturer's recommendations may vary.

To clear a service message, press the mode button to select service alert mode and then hold the mode button for 3 seconds.

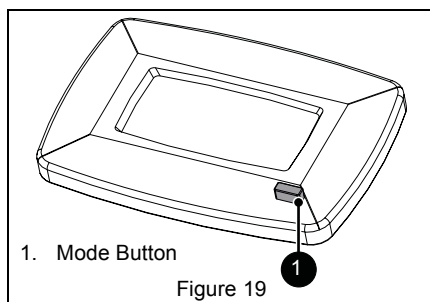


Figure 19

CHECK SAFETY INTERLOCK SYSTEM

Check function of the Safety Interlock System by performing the tests below. Contact your Stiga dealer for repair if any of the tests fail.

Test	Steering Levers	PTO	Parking Brake	Result
Starting Interlock				
1	Neutral	Off	On	Engine starts.
2	Forward, Neutral, Reverse	On	On or Off	Engine does not start.
3	Forward, Neutral, Reverse	On or Off	Off	Engine does not start.
Operating Interlock (Engine On)				
4 *	Forward, Neutral, Reverse	On	On or Off	Engine shuts off.
5 *	Forward, Neutral, Reverse	On or Off	Off	Engine shuts off.
* When operator lifts off seat.				

CHECK PARKING BRAKE

1. Park unit on a flat, level surface.
2. Position steering levers in neutral.
3. Engage parking brake.
4. Stop engine and wait for moving parts to stop and for hot parts to cool.
5. Bypass transaxles. See *Move Unit Manually* on page 18.
6. Push unit forward.
 - If unit does not move forward, no adjustment is needed.
 - If unit moves forward easily, adjust the brake lever.

CHECK ENGINE OIL

NOTICE: Engine oil level must be maintained at correct level or engine damage may occur. Refer to engine manual.

CHECK TYRE PRESSURE

See *Specifications* on page 39 for recommended tyre pressure.



WARNING: AVOID INJURY.

Explosive separation of tyre and rim parts is possible.

- DO NOT inflate tyres above the recommended pressure.
- DO NOT inflate tyres with a compressor; use a hand pump.
- DO NOT stand in front of tyre assembly when inflating. Use a clip-on chuck and extension hose long enough to allow you to stand to one side.
- DO NOT put a tyre on the rim without proper equipment and experience.

CHECK FASTENERS

Check for loose or missing hardware.

LUBRICATE UNIT

1. Apply oil to all pivot points and pin connections.

Lubricate Seat

See Figure 20.

1. Place unit in service position. See *Service Position* on page 18.
2. Apply grease to seat tracks through slots under seat plate.

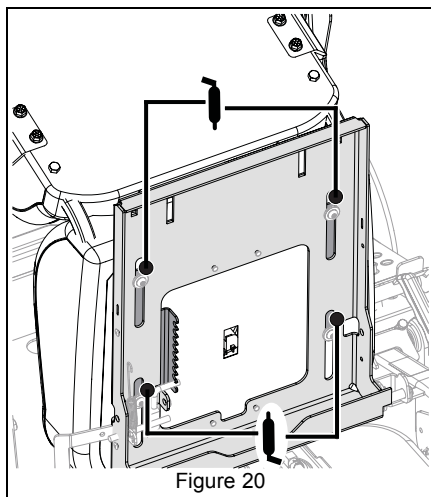


Figure 20

- Return seat to operating position and slide seat back and forth to spread grease along tracks.

CHECK MOWER BLADES

Check blades for wear. Replace or sharpen as needed.



CAUTION: AVOID INJURY. Use sturdy gloves or padding to protect hands when working with mower blades. Rotation of one blade rotates the other blades.

Remove Blades

- Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
- Disconnect spark plug wires.
- Remove hardware securing blades to spindles and remove blades. Retain all hardware for reinstallation. See Figure 21.

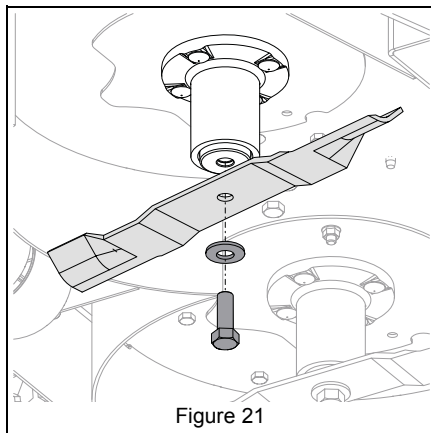


Figure 21

Sharpen Blades

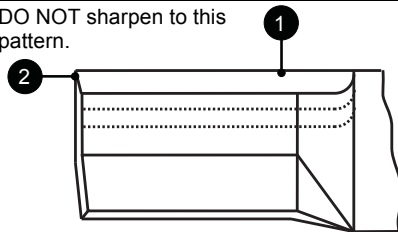


CAUTION: DO NOT sharpen blades while attached to unit.

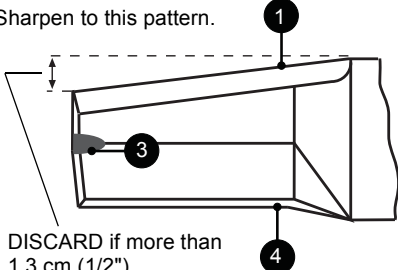
- Remove blades. Discard blades if:
 - More than 1.3 cm (1/2") of metal is removed.
 - Air lifts are eroded.
 - Blades are bent or broken.

- File or grind an equal amount of material from each cutting edge of the blade until sharp. DO NOT change angle of cutting edge or round the corner of the blade. See Figure 22.

DO NOT sharpen to this pattern.



Sharpen to this pattern.



DISCARD if more than 1.3 cm (1/2")

- Cutting Edge
- Square Corner
- Air Lift Erosion
- Air Lift

Figure 22



CAUTION: Unbalanced blades cause excessive vibration and eventual damage to unit. Balance blades before reinstalling on unit. NEVER weld or straighten blades.

- Check blade balance by sliding blade on an unthreaded bolt. If blade does not remain horizontal, sharpen the heavy end until blade is balanced.

Install Blades

See Figure 21.

- Reinstall blades and secure with original hardware. Torque to 156 N•m – 217 N•m (115 lb-ft – 160 lb-ft).

BATTERY SERVICE



WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

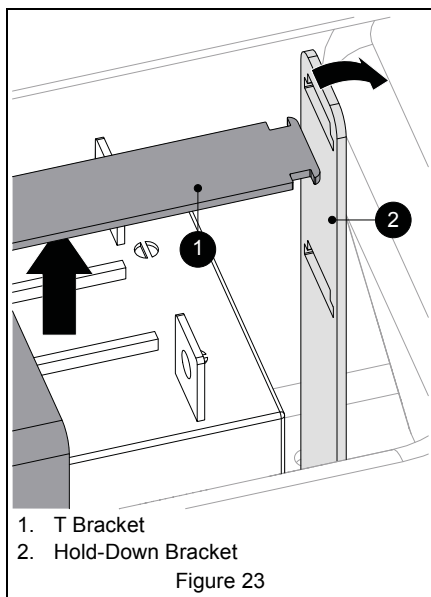
Remove Battery

Remove Factory Battery

1. Place unit in service position. See *Service Position* on page 18.
2. Disconnect the negative cable and then the positive cable from the battery.

See Figure 23.

3. Loosen hex nut securing right hold-down bracket to frame.
4. Remove T bracket from lower slots in hold-down brackets.
5. Remove battery.



1. T Bracket
2. Hold-Down Bracket

Figure 23

Remove U1 Battery

1. Place unit in service position. See *Service Position* on page 18.
2. Disconnect the negative cable and then the positive cable from the battery.
3. Loosen hex nut securing right hold-down bracket to frame.

4. Remove T-bracket from upper slots in hold-down brackets. Retain for reinstallation.
5. Remove battery.

Clean Battery

1. Clean terminals and battery cable ends with a wire brush.
2. Coat terminals with dielectric grease or petroleum jelly.

Install Battery



CAUTION: DO NOT allow direct metal contact across battery posts.

Install Factory Battery

1. Reinstall positive cable and then the negative cable.
2. Insert T bracket through lower slots in hold-down brackets.
3. Tighten hex nut securing right hold-down bracket to frame.
4. Return seat to operating position

Install U1 Battery

1. Reinstall positive cable and then the negative cable.
2. Insert T bracket through upper slots in hold-down brackets.

See Figure 24.

3. Tighten hex nut securing right hold-down bracket to frame.
4. Return seat to operating position.

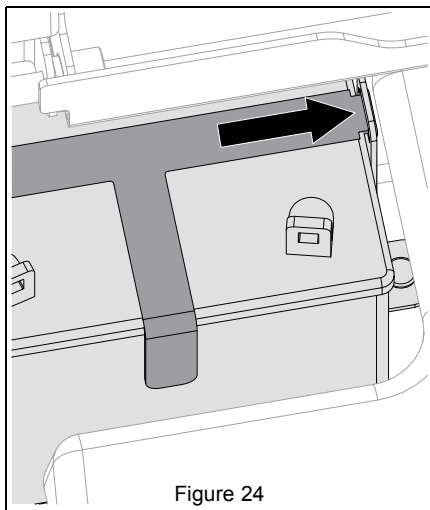


Figure 24

Charge Battery

Check battery with a voltmeter. If battery is less than 11 volts, charge battery.

NOTICE: DO NOT fast charge. Charging at a higher rate damages or destroys the battery. ONLY use an automatic charger designed for use with your battery.

NOTICE: Always follow information provided on the battery by battery manufacturer. Contact battery manufacturer for detailed information about charging.

1. Remove battery from unit. See *Remove Battery* on page 22.
2. Place battery on bench or other well-ventilated area.
3. Connect positive lead of charger to positive battery terminal.
4. Connect negative lead of charger to negative battery terminal.
5. Charge battery following battery manufacturer's instructions.
6. Reinstall battery. See *Install Battery* on page 22.

Jump Starting

Stiga does not recommend jump starting your unit. Jump-starting can damage engine and system components. Refer to engine manual for details.

CHECK MOWER BELTS

Check belts for wear and replace as needed.

CHECK HYDRAULIC SYSTEM

Check Hydraulic Oil Level

1. Place unit in service position. See *Service Position* on page 18.
2. Check oil level in expansion tanks. Oil should reach the cold fill indicator mark. See Figure 25.

IMPORTANT: Engine should be cold when checking initial oil level.

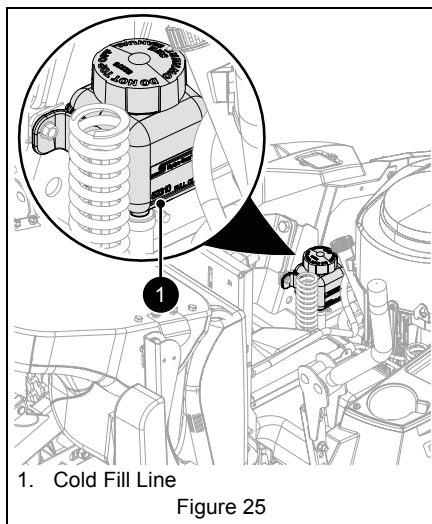


Figure 25

3. Operate engine for 1 minute and recheck oil levels.
4. Add hydraulic oil, if needed.
 - a. Remove expansion tank caps.
 - b. Fill expansion tanks with 15W-50 synthetic motor oil until oil reaches the cold fill indicator mark. See Figure 25.
 - c. Reinstall expansion tank caps.

Change Hydraulic Oil and Filter

1. Operate unit for a few minutes to warm hydraulic oil.
 2. Stop engine, remove key and wait for all moving parts to stop and for hot parts to cool.
 3. Position container under oil filter to catch used oil.
- See Figure 26.
4. Remove filter guard and oil filter from transaxle.
 5. Remove the vent / fill plug from the fill port and allow transaxle to drain completely.

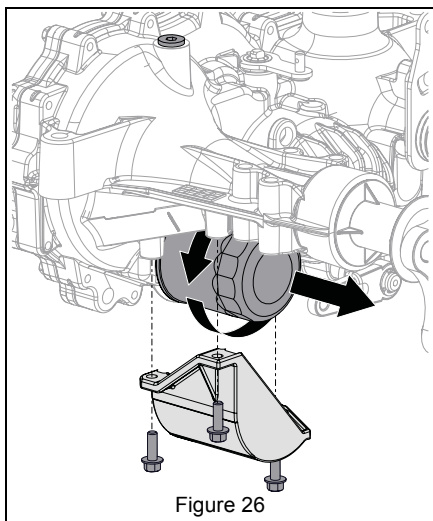


Figure 26

6. Wipe filter-mounting surface clean.
7. Lubricate rubber gasket on new oil filter with clean hydraulic oil.
8. Spin filter onto filter housing until it makes contact, and then turn filter 3/4 turn to tighten.
9. Reinstall filter guard and torque to 7.3 N•m (65 lb-in). DO NOT overtighten.
10. Add 15W-50 synthetic motor oil until oil appears at the bottom of the fill port (1892.7 mL (64 fl. ounces) per transaxle).
11. Reinstall the vent / fill plug and torque to 20.3 N•m (180 lb-in).
12. Add hydraulic oil to expansion tank until oil reaches cold fill indicator mark.
13. Repeat steps 3 – 12 for other transaxle.
14. Purge hydraulic system. See *Purge Hydraulic System* on page 24.

Purge Hydraulic System

Purge air from hydraulic system after draining oil or changing the filter.



WARNING: AVOID INJURY. This adjustment requires operating the engine. Use extreme care to avoid contact with moving parts and hot surfaces. Be sure rear of unit is well supported and secure before starting engine.

1. Park unit facing a wall or chock wheels.
2. Release parking brake.

3. Support unit so drive wheels are off the ground.
4. Bypass transaxles. See *Move Unit Manually* on page 18.
5. Start the engine and slowly move steering levers forward and backward 5 or 6 times.
6. Stop engine.
7. Return transaxle bypass levers to operating position. See *Move Unit Manually* on page 18.
8. Start engine.
9. Slowly move steering levers forward and backward 5 or 6 times.
10. Stop engine, lower unit to ground and check oil level. Add oil if needed.
11. Repeat steps 1 – 10 until transaxles operate smoothly in forward and reverse at normal speed without excessive noise.

SERVICE & ADJUSTMENTS



WARNING: AVOID INJURY. Read and understand the *Safety* section before proceeding.

ADJUST SEAT

See Figure 27.

1. Pull seat adjustment lever up to unlock seat.
2. Move seat to desired position.
3. Release seat adjustment lever to lock seat in place.

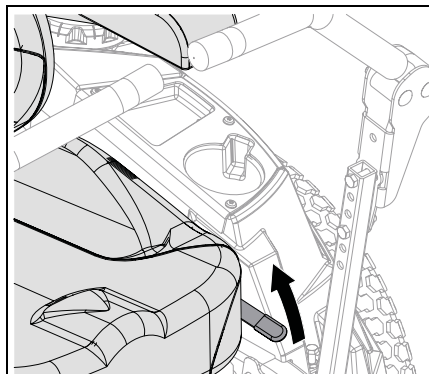


Figure 27

ADJUST STEERING LEVERS

Adjust Height

The steering lever height may be adjusted for operator comfort.

See Figure 28.

1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
2. Remove steering lever hardware and remove steering lever from lower control arm.
3. Position steering lever at desired height and align with lower control arm. Secure with original hardware.

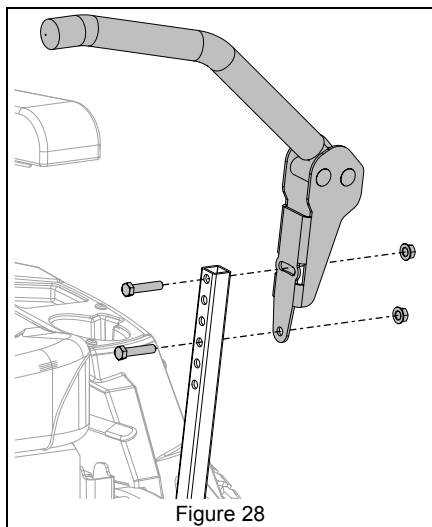


Figure 28

4. Adjust steering lever position. See *Adjust Steering Levers* on page 25.
5. Turn eccentric spacer so levers are at the same height and have a 1.3 cm – 2.5 cm (1/2" – 1") gap between lever ends. See Figure 29.

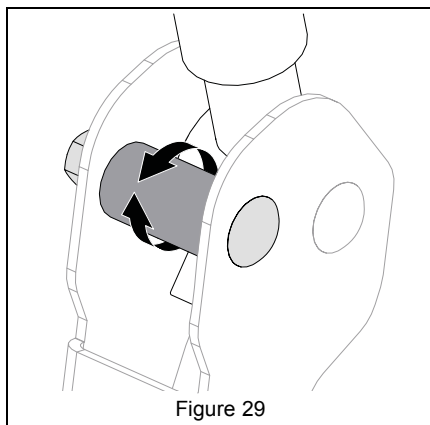


Figure 29

If there is more than 3.2 mm (1/8") between the horizontal alignment of the steering levers, align the levers.

6. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
7. Engage parking brake.
8. Loosen mounting hardware, align levers and tighten hardware. See Figure 30.

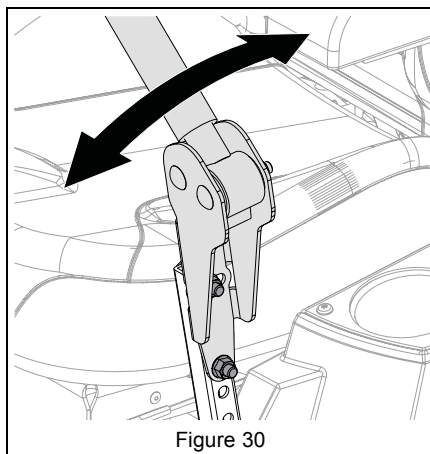


Figure 30

Adjust Forward Position

The steering lever forward position may be adjusted for operator comfort.

1. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
2. Loosen mounting hardware on steering lever assemblies.
3. Place steering levers in desired position:
 - Gently push levers forward for greater distance from operator.
 - Gently pull levers back for closer distance to operator.
4. Tighten hardware.

ADJUST UNIT TO DRIVE STRAIGHT

NOTICE: Reverse travel can only be adjusted by your Stiga dealer.

Adjust Tyre Pressure

1. Place unit in service position. See *Service Position* on page 18.
2. Check tyre pressures. If needed, adjust to recommended pressures. See *Specifications* on page 39.
3. Check tracking.
 - If unit does not track straight, increase tyre pressure to the drive wheel of the side it moves toward.

IMPORTANT: DO NOT exceed maximum tyre pressure listed on tyre sidewall.

- If increasing tyre pressure does not correct tracking, adjust the limiter bolts as directed below.

Adjust Limiter Bolts

See Figure 31.

Limiter bolts can be adjusted to increase or decrease drive wheel speeds. To adjust:

1. Loosen jam nut.
 - Turn limiter bolt counterclockwise to increase maximum drive wheel speed on that side.
 - Turn limiter bolt clockwise to reduce maximum drive wheel speed on that side.
2. Tighten jam nut.

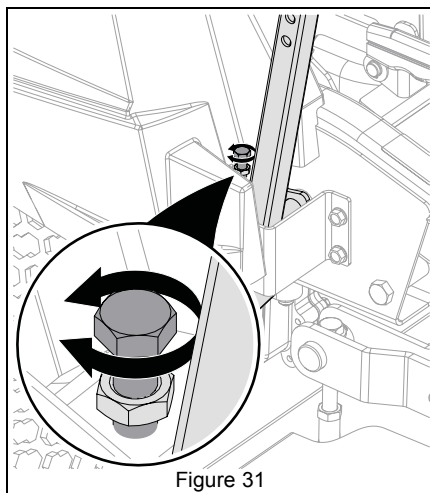


Figure 31

3. Align steering levers. See *Adjust Steering Levers* on page 25.

ADJUST TRANSAXLES

Check For Excessive Creep



WARNING: AVOID INJURY. This adjustment requires operating the engine. Use extreme care to avoid contact with moving parts and hot surfaces. Be sure rear of unit is well supported and secure before starting engine.

1. Operate unit for a minimum of 5 minutes to warm hydraulic system.
2. Stop engine and engage parking brake.
3. Chock front wheels and support unit so both drive wheels are off the ground.
4. Remove drive wheels.
5. Start engine, move throttle lever to fast position and release parking brake.
6. Move steering levers forward and backward 5 or 6 times and then return levers to neutral position.
7. Check hubs for rotation.
 - If there is only slight rotation, stop engine, reinstall wheels and lower unit to ground.
 - If there is excessive rotation, adjust neutral position as directed below.

IMPORTANT: Torque wheel lug nuts to 81.3 N•m – 122.0 N•m (60 lb-ft – 90 lb-ft).

Adjust Neutral Position

If wheel hub has excessive rotation after checking for excessive creep, adjust neutral position.

1. Loosen the return-to-neutral screw on the transaxle. See Figure 32.

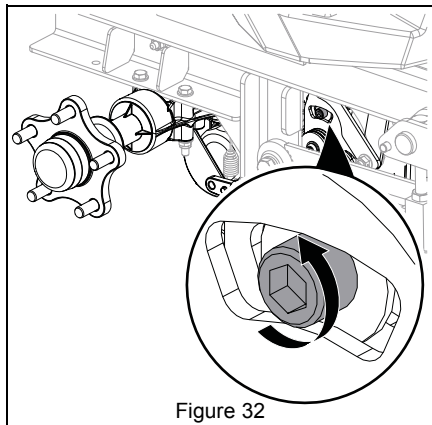
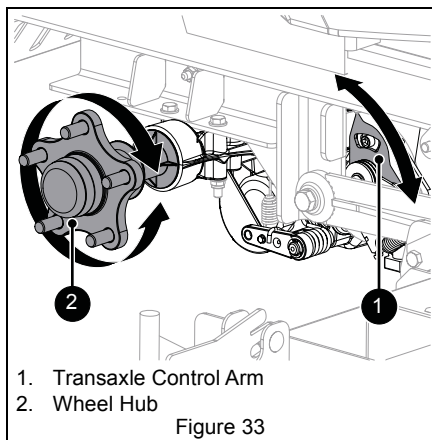


Figure 32

2. Slowly turn transaxle control arm in the opposite direction of hub rotation until hub stops. See Figure 33.



1. Transaxle Control Arm
2. Wheel Hub

Figure 33

3. Hold the transaxle control arm in position and tighten the return-to-neutral screw.
4. Start engine, move throttle lever to fast position and release parking brake.
5. Move steering levers forward and backward 5 or 6 times and then return levers to neutral position.

6. Check wheel hubs for rotation.
 - If there is only slight rotation, stop engine, reinstall wheels, return unit to operating position and advance to *Adjust Parking Brake Lever* on page 32.
 - If there is excessive rotation, repeat steps 1 – 6.

IMPORTANT: Torque wheel lug nuts to 81.3 N•m – 122.0 N•m (60 lb-ft – 90 lb-ft).

ELECTRICAL SERVICE

See Figure 34.

Replace Fuse

NOTICE: To avoid damaging the circuit, replace fuses with fuses of the same amperage rating. Determine the cause of electrical failure and repair before replacing failed electrical components.

1. Place unit in service position. See *Service Position* on page 18.
2. Remove defective fuse.
3. Determine cause of fuse failure and repair condition.
4. Install new fuse.

Replace Relay

NOTICE: Relays are interchangeable. Use only quality replacement parts. See *Service Parts* on page 19.

1. Place unit in service position. See *Service Position* on page 18.
2. Remove defective relay.
3. Determine cause of relay failure and repair condition.
4. Install new relay.

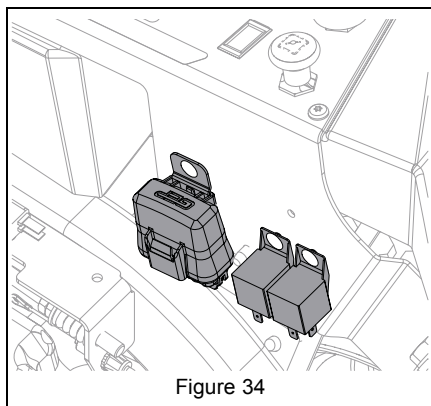


Figure 34

REPLACE MOWER BELTS



CAUTION: Damage or worn belts may result in injury and / or damage to the unit. Check belts for excessive wear or cracks often.

Remove PTO Belt

1. Place unit in service position. See *Service Position* on page 18.
2. Position mower deck at lowest cutting height.
3. Remove hardware securing belt covers to deck and remove belt covers. See Figure 35.

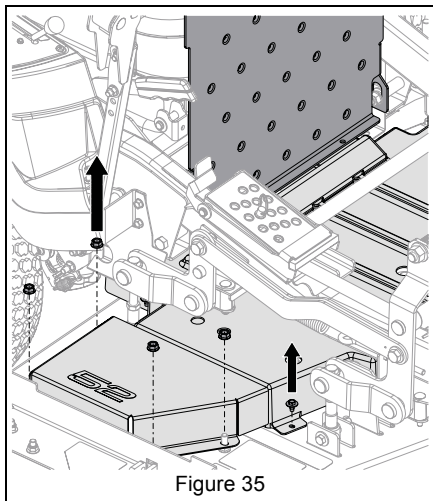


Figure 35



CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

See Figure 36.

4. Slowly remove spring hook from anchor bolt to release tension from belt idler.
5. Remove PTO belt.

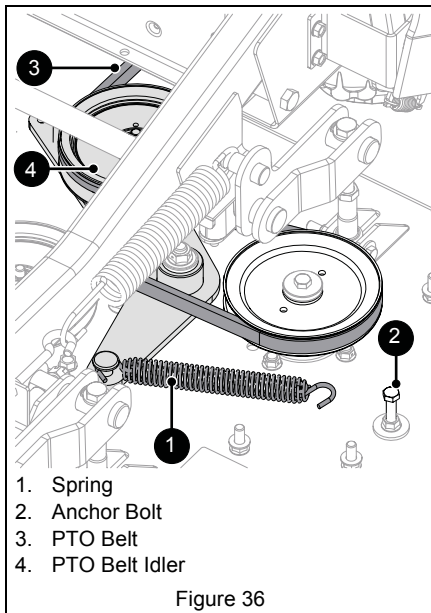


Figure 36

Remove Mower Drive Belt

1. Remove PTO belt. See *Remove PTO Belt* on page 28.



CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

See Figure 37.

2. Slowly remove spring hook from anchor bolt to release tension from belt idler.
3. Remove mower drive belt.

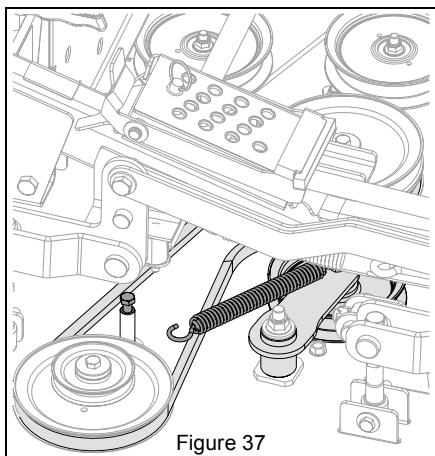


Figure 37

Install Mower Drive Belt

See Figure 38.

1. Install mower drive belt around bottom groove of split pulley at deck center and around bottom groove of right spindle pulley.
2. Reinstall idler spring hook around anchor bolt to apply tension to belt.

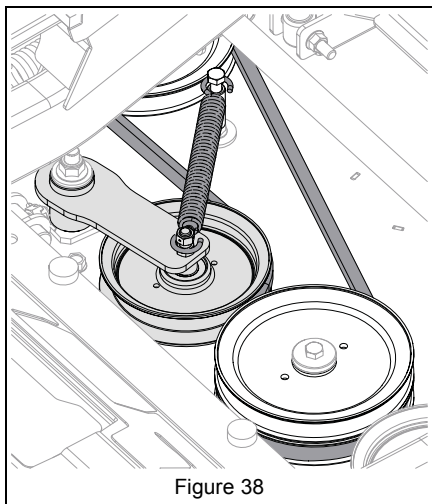


Figure 38

IMPORTANT: Make sure belt has tension and is aligned in all pulleys.

Install PTO Belt

IMPORTANT: Mower drive belt **MUST** be installed before PTO belt.

1. Install PTO belt around clutch sheave at rear of unit.

See Figure 39.

2. Install PTO belt around top groove of split pulley at deck center and around left spindle pulley.
3. Align belt with idler pulleys.
4. Reinstall idler spring hook around anchor bolt to apply tension to belt.

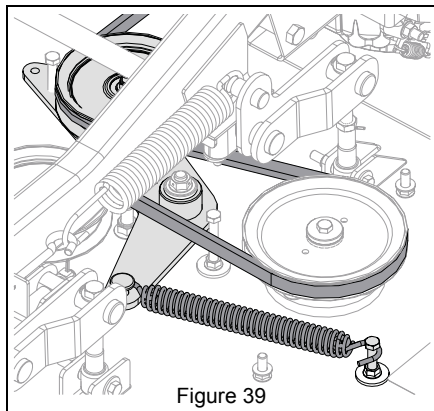


Figure 39

IMPORTANT: Make sure belt has tension and is aligned in all pulleys. See Figure 40.

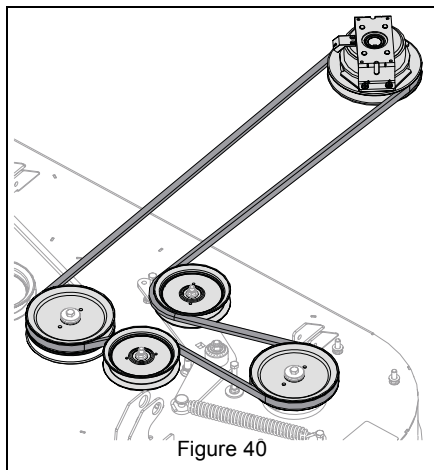


Figure 40

5. Reinstall belt covers and secure with original hardware.

REPLACE TRANSAXLE DRIVE BELT

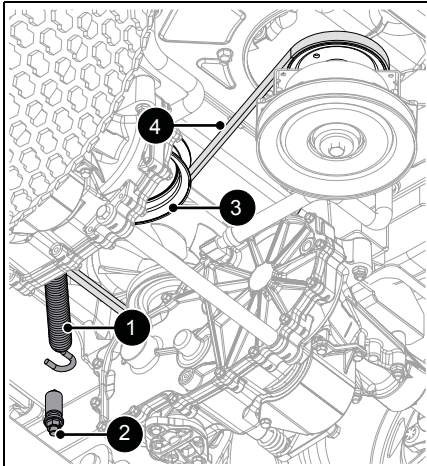
Remove Transaxle Drive Belt

1. Place unit in service position. See *Service Position* on page 18.
2. Remove PTO belt from clutch. See *Remove PTO Belt* on page 28.



CAUTION: Use care when releasing idler spring tension. Keep body parts away from idlers when performing this operation.

3. Under unit, slowly remove spring hook from anchor bolt to release transaxle idler tension. See Figure 41.



1. Spring
2. Anchor Bolt
3. Transaxle Idler
4. Transaxle Drive Belt

Figure 41

See Figure 42.

4. Remove hardware securing clutch stop bracket to frame and remove bracket.

NOTICE: DO NOT cut cable tie.

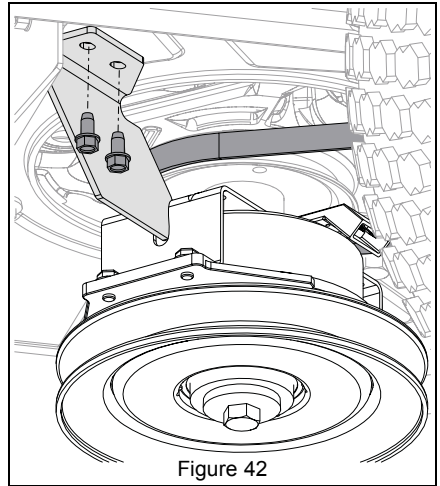


Figure 42

5. Remove transaxle drive belt from drive system in the following order:
 - a. From right transaxle sheave.
 - b. From left transaxle sheave.
 - c. From clutch sheave.

Install Transaxle Drive Belt

See Figure 43.

1. Install transaxle drive belt to drive system in the following order:
 - a. Around clutch sheave.
 - b. Around left transaxle sheave.
 - c. Around right transaxle sheave.
2. Align belt with idler pulley.
3. Reinstall idler spring hook onto anchor bolt. Make sure belt has tension and is aligned in all pulleys.

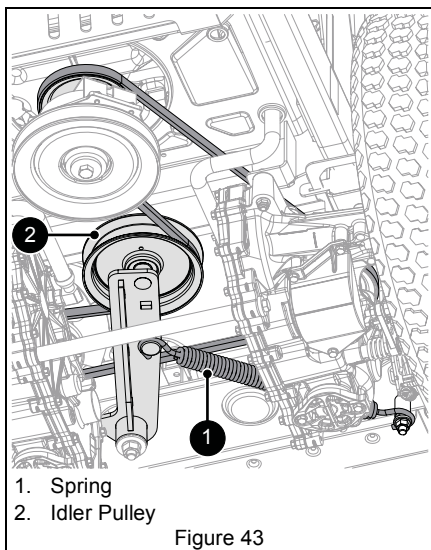


Figure 43

IMPORTANT: Make sure belt has tension and is aligned in all pulleys. See Figure 44.

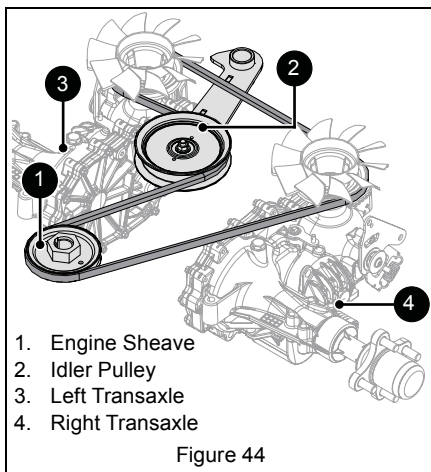


Figure 44

4. Reinstall clutch stop bracket and secure with original hardware. See Figure 45.

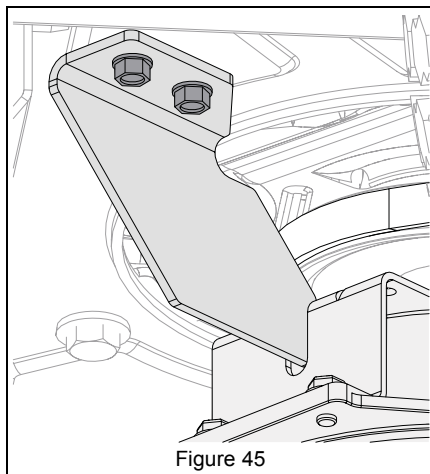


Figure 45

5. Reinstall PTO belt. See *Install PTO Belt* on page 29.

REVERSE CLUTCH BRAKE PLATES

See Figure 46.

1. Remove hardware securing brake plates to clutch bracket. Retain for reinstallation.
2. Reverse the brake plates and secure to clutch bracket using original hardware.

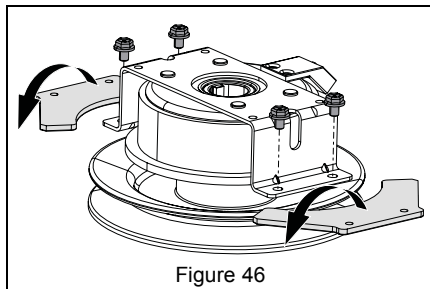


Figure 46

ADJUST ANTI-SCALP WHEELS

See Figure 47.

The anti-scalp wheels are set at the factory for typical mowing height, but can be adjusted for high or low cutting conditions. Make sure all wheels are set to the same height.

1. Place unit in service position. See *Service Position* on page 18.
2. Remove hardware securing anti-scalp wheels to deck and remove wheels.
3. Position wheels as necessary:
 - For a very high cutting height, set the anti-scalp wheels in the lowest position on the bracket.
 - For a very low cutting height, set the anti-scalp wheels in the highest position on the bracket.
4. Secure with original hardware.

IMPORTANT: All anti-scalp wheels **MUST** be set to the same height.

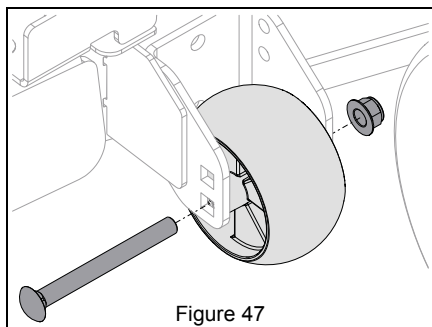


Figure 47

ADJUST PARKING BRAKE LEVER

See Figure 48.

1. Place unit in service position. See *Service Position* on page 18.
2. Loosen jam nuts on cable adjustment barrel.
3. Adjust cable tension.
 - To increase lever response, loosen the upper jam nut and tighten the lower jam nut until both jam nuts are tight against cable bracket.
 - To decrease lever sensitivity, loosen the lower jam nut and tighten the upper jam nut until both jam nuts are tight against cable bracket.
4. Check parking brake and readjust if necessary. See *Check Parking Brake* on page 20.

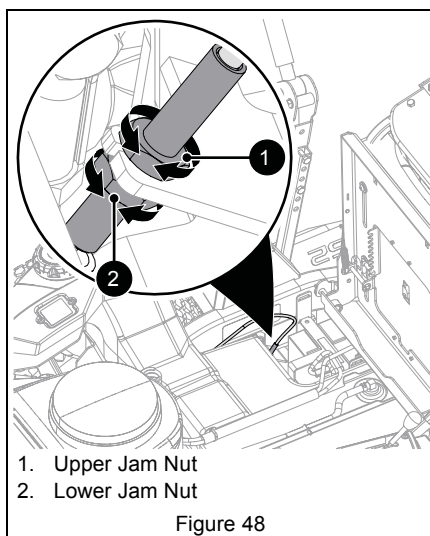


Figure 48

REMOVE AND INSTALL MOWER DECK

Remove Deck

1. Place unit in service position. See *Service Position* on page 18.
2. Set deck to lowest cutting height.
3. Position supports, such as wood blocks, under mower deck.
4. Remove PTO belt. See *Remove PTO Belt* on page 28.
5. Slowly disconnect lift-assist springs from spring peg on each side of deck. See Figure 49.

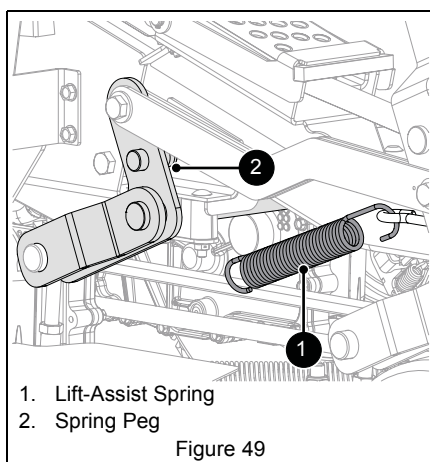


Figure 49

6. Remove hardware retaining drag links to frame. See Figure 50.

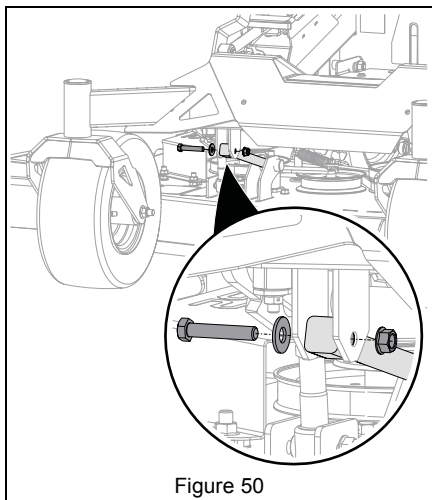


Figure 50

7. Remove hardware retaining deck lift links to deck lift brackets. See Figure 51.

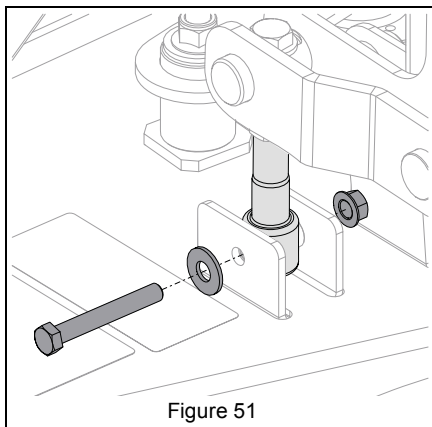


Figure 51

8. Remove deck from under unit.

Install Deck

1. Position deck under unit. See Figure 52.
2. Reinstall drag links to frame with original hardware.
3. Secure deck lift links to deck lift brackets with original hardware.

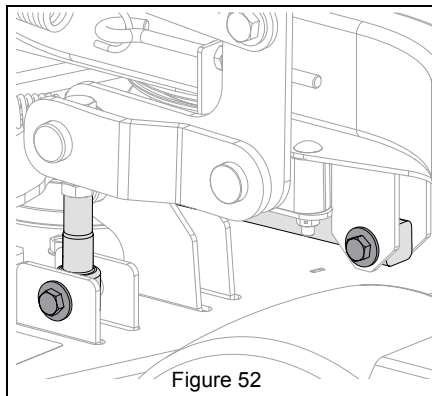


Figure 52

4. Reinstall PTO belt. See *Install PTO Belt* on page 29.
5. Reconnect lift-assist springs to spring pegs.
6. Level the deck. See *Level and Pitch Mower Deck* on page 33.

LEVEL AND PITCH MOWER DECK

IMPORTANT: Make sure unit is on a flat, level surface and that tyres are inflated to the recommended pressures.

Check Blade Level and Pitch

1. Raise deck to 3 1/2" (8.9 cm) cutting height.
2. Stop engine, remove key and wait for moving parts to stop and for hot parts to cool.
3. Engage parking brake. See Figure 53.
4. Position mower blades so ends point left to right across the width of the deck.
5. Measure the distance between the ground and the cutting edge of the left and right blades. If the measurements are not within 4.7 mm (3/16") of each other, level the deck. See *Level and Pitch Mower Deck* on page 33.

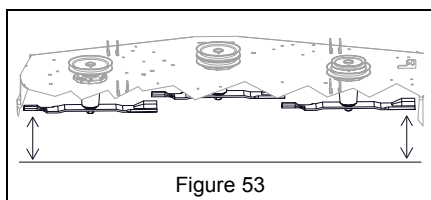


Figure 53

See Figure 54.

6. Position mower blades so ends point front to back and measure the following:
 - At the front of the deck, measure the distance between the ground and the cutting edge of the middle blade.
 - At the rear of the deck, measure the distance between the ground and the cutting edge of the left and the right blades.

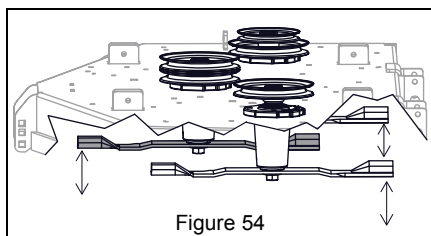


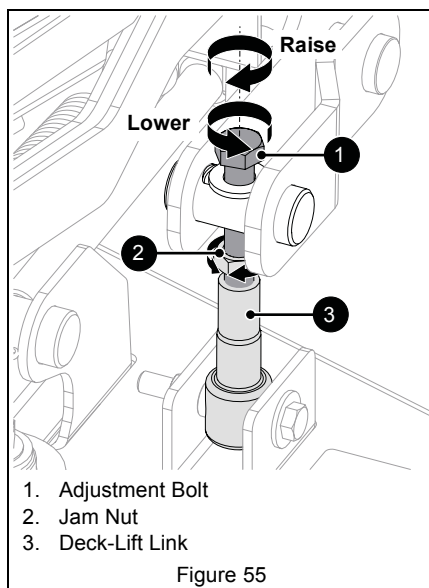
Figure 54

If the front measurement is not 3.2 mm (1/8") lower than the rear measurements, adjust the blade pitch. See *Adjust Blade Pitch* on page 35.

Level Mower Deck

See Figure 55.

1. Lower the high side of deck:
 - a. Loosen jam nuts against deck-leveling links.
 - b. Turn adjustment bolts counterclockwise.
 - c. Measure distance between the ground and cutting edges of left and right blades. Continue adjustment if necessary.
 - d. Tighten jam nuts against deck-leveling links.
2. Raise the low side of deck:
 - a. Loosen jam nuts against deck-leveling links.
 - b. Turn adjustment bolts clockwise.
 - c. Measure distance between the ground and cutting edges of left and right blades. Continue adjustment if necessary.
 - d. Tighten jam nuts against deck-leveling links.



1. Adjustment Bolt
2. Jam Nut
3. Deck-Lift Link

Figure 55

Adjust Blade Pitch

IMPORTANT: Side-to-side deck heights **MUST** remain level even after completing pitch adjustment.

IMPORTANT: Pitching the front of the blades lower than the rear provides a balance between cut quality and the power needed to cut grass. Certain cutting conditions require the deck rear to be pitched lower than the front. Positioning the deck this way requires more engine power but can provide better cut quality.

1. Increase forward pitch:
 - a. Loosen jam nuts against all deck-leveling links.
 - b. Turn front adjustment bolts counterclockwise to lower deck front.
 - c. Turn rear adjustment bolts clockwise to raise deck rear.
 - d. Check adjustment. See *Check Blade Level and Pitch* on page 33.
 - e. Tighten jam nuts against deck-leveling links.
2. Decrease forward pitch:
 - a. Loosen jam nuts against all deck-leveling links.
 - b. Turn front adjustment bolts clockwise to raise deck front.
 - c. Turn rear adjustment bolts counterclockwise to lower deck rear.
 - d. Check adjustment. See *Check Blade Level and Pitch* on page 33.
 - e. Tighten jam nuts against deck-leveling links.

TROUBLESHOOTING

Problem	Probable Cause	Correction
Engine does not start.	Safety Interlock System is not engaged or is faulty.	Check Safety Interlock System. See <i>Check Safety Interlock System</i> on page 20.
	Fuel tank is empty.	Fill fuel tank. See <i>Before Operating Unit</i> on page 16.
	Fuel supply is contaminated.	Replace with clean fuel.
	Battery is discharged.	Charge battery. See <i>Install U1 Battery</i> on page 22.
	Connection between battery and battery cables is poor.	Tighten and/or clean battery and battery cables. See <i>Clean Battery</i> on page 22.
	Spark plug wire(s) are loose or spark plug(s) are faulty.	Connect spark plug wire(s) or replace spark plug(s). Refer to engine manual.
	Electrical system is faulty.	Contact your Stiga dealer.
Engine runs rough.	Engine is faulty.	Contact your Stiga dealer.
	Choke control knob is in on position.	Move knob to off position.
	Air filter cartridge is plugged.	Clean or replace air filter cartridge. Refer to engine manual.
Engine overheats.	Engine is faulty.	Contact your Stiga dealer.
	Engine oil level is low.	Add engine oil. Refer to engine manual.
	Cooling fins are plugged.	Clean engine. Refer to engine manual.
Unit does not drive.	Engine is faulty.	Contact your Stiga dealer.
	The transaxles are bypassed.	Engage levers. See <i>Move Unit Manually</i> on page 18.
	Transaxle drive belt is faulty.	Contact your Stiga dealer.
PTO malfunctions.	Transaxles are faulty.	Contact your Stiga dealer.
	Operator presence switch is not engaged.	Activate switch by sitting on operator seat.
	Operator presence switch is faulty.	Contact your Stiga dealer.
	PTO belt is faulty.	Replace belt. See <i>Replace Mower Belts</i> on page 28.
Unit moves with engine off and parking brake engaged.	PTO switch, wiring, connectors or clutch are faulty.	Contact your Stiga dealer.
	Parking brake needs adjustment.	Adjust parking brake lever. See <i>Adjust Parking Brake Lever</i> on page 32.
Unit does not drive straight.	Parking brake is faulty.	Contact your Stiga dealer.
	Tyre pressure is incorrect.	Check tyre pressure. See <i>Specifications</i> on page 39.
	Steering levers need adjustment.	See <i>Adjust Steering Levers</i> on page 25.
Unit creeps when steering levers are in neutral position.	Transaxles and/or linkages need adjustment.	Contact your Stiga dealer.
	Transmission and/or linkage need adjustment.	Contact your Stiga dealer.

TROUBLESHOOTING

Problem	Probable Cause	Correction
Poor cutting quality.	Mower blades not level or mower deck pitch is incorrect.	Level and adjust pitch of mower deck. See <i>Level and Pitch Mower Deck</i> on page 33.
	Mower blades are dull or faulty.	Sharpen or replace mower blades. See <i>Sharpen Blades</i> on page 21.
	Mowing speed is too fast.	Drive slower when cutting grass.
	Belt tension or condition is poor.	Replace mower belts. See <i>Check Mower Belts</i> on page 23.
	Cutting height is too low.	Do not set height of cut too low. For very tall grass, mow twice.
Blades do not stop within 5 seconds.	Clutch brake plates worn.	Reverse clutch brake plates. See <i>Reverse Clutch Brake Plates</i> on page 31. If clutch brake plates have already been reversed, replace clutch.

STORAGE

SHORT-TERM STORAGE

IMPORTANT: NEVER wash unit with high-pressure water or store outdoors.

1. Allow unit to cool and clean with mild soap and water.
2. Tighten all hardware to correct specifications.
3. Inspect unit for visible signs of wear or damage. Repair as needed.
4. Prepare fuel system for storage.
5. Turn key to off position and remove from ignition.
6. Store unit in a cool, dry, protected area.
DO NOT store unit outdoors.

LONG-TERM STORAGE

1. Perform short-term storage procedures.
2. Lubricate as directed in *Maintenance Schedule* on page 19.
3. Touch-up all scratched painted surfaces.
4. Remove and charge battery as directed in *Install U1 Battery* on page 22. Store battery in a cool, dry, protected area.
5. Store unit in a cool, dry, protected area.
DO NOT store unit outdoors.

START-OF-SEASON PREPARATION

1. Charge and install the battery.

ACCESSORIES

See your Stiga dealer for a complete list of compatible accessories and attachments for your unit.

Description
Mulch Kit
Trailer Hitch Kit

SPECIFICATIONS

Model Number	991313
Engine	Kawasaki FR691V
Engine Displacement – cm ³ (in ³)	726 (44.3)
Nominal Power – kW	16.0
Maximum RPM – No Load	2950
Oil Capacity	Refer to engine manual.
Liquid or Air Cooled	Air
Transmission	
Type	Hydrostatic Drive
Oil	15W-50 synthetic motor oil
Hydraulic Oil Filter	Yes
Drive	
Forward Maximum – km/h (mph)	12.9 (8)
Reverse Maximum – km/h (mph)	6.4 (4)
Turning Radius	Zero
Brakes	Parking
Electrical	
Starter	Electric
Battery	12 Volt 12A-190 CCA (U1 Replaceable)
PTO (Power Take-off)	Electric PTO Clutch / Brake
Fuel	
Fuel Tank Capacity – Liter (gal)	19.3 (5.1)
Type	See Engine Manual
Size and Weight	
Length – cm (in)	200.7 (79)
Width – cm (in)	190.5 (75)
Height – cm (in)	13 x 6.5-6
Weight – kg (lbs)	394.6 (870)
Tires	
Front Tyre Size – in	13 x 6.5-6
Rear Tyre Size – in	22 x 10.5-12
Recommended Front Tyre Pressure – kPa (psi)	137.9 – 172.4 (20 – 25)
Recommended Rear Tyre Pressure – kPa (psi)	103.4 – 124.1 (15 – 18)
Mower Deck	
Cutting Height – cm (in)	3.8 – 12.7 (1.5 – 5.0)
Cutting Height Increments	0.6 (0.3)
Cutting Width – cm (in)	132 (52)
Mower Deck Lift	Mechanical Pin Lock
Cutting Means Codes	
Fischer Barton 	03253800
Stiga (spare parts)	118830752/0
Towing	
Max. Towing Capacity – kg (lb)	227 (500.0)
Max. Tongue Weight – kg (lb)	22.7 (50.0)

CE Sound and Vibration (Ref. EN ISO 5395-3:2013 + A1:2017 + A2:2018)	
Oper. Ear Sound Pressure (Lpa) in db(A)	89
Uncertainty in db(A)	2.50
Measured Sound Power Level (Lwa) in db(A)	104
Uncertainty in db(A)	1
Guaranteed Sound Power Level (Lwa) in db(A)	105
Vibration Measure (m/s^2) at Operator Hands	2.23
Uncertainty in m/s^2	1.12
Vibration Measure (m/s^2) at Operator Seat	0.55
Uncertainty in m/s^2	0.28

IT • Il contenuto e le immagini del presente manuale d'uso sono stati realizzati per conto di STIGA S.p.A. e sono tutelati da diritto d'autore – E' vietata ogni riproduzione o alterazione anche parziale non autorizzata del documento.

BG • Съдържанието и изображенията в настоящото ръководство са извършени за STIGA S.p.A. и са защитени с авторски права – Забранява се всяко неоторизирано възпроизвеждане или промяна, дори и отчасти на документа.

BS • Sadržaj i slike iz ovog korisničkog priručnika napravljeni su isključivo za STIGA S.p.A. i zaštićeni su autorskim pravima – zabranjena je svaka neovlašćena reprodukcija ili izmjena dokumenta, djelomično ili u potpunosti.

CS • Obsah a obrázky v tomto návodu k použití byly zpracovány jménem společnosti STIGA S.p.A. a jsou chráněny autorským právem – Reprodukce či nepovolené pozměňování tohoto dokumentu, a to i částečné, je zakázáno.

DA • Indhold og illustrationer i denne vejledning er blevet skabt på vegne af STIGA S.p.A. og er beskyttet af ophavsret – Enhver gengivelse eller ændring, også delvis, af dokumentet uden autorisation hertil er forbudt.

DE • Inhalt und Bilder dieser Bedienungsanleitung wurden im Namen von STIGA S.p.A. erstellt und sind urheberrechtlich geschützt – Jede nicht genehmigte Vervielfältigung oder Veränderung, auch auszugsweise, dieses Dokuments ist verboten.

EL • Το περιεχόμενο και οι εικόνες στο παρόν εγχειρίδιο χρήσης δημιουργήθηκαν για λογαριασμό της εταιρείας STIGA S.p.A. και προστατεύονται από πνευματικά δικαιώματα – Απαγορεύεται οποιαδήποτε αναπαραγωγή ή τροποποίηση, έστω και μερική, του εγγράφου χωρίς έγκριση.

EN • The content and images in this User Manual were produced expressly for STIGA S.p.A. and are protected by copyright – any unauthorised reproduction or modification to the document, either partially or in full, is prohibited.

ES • El contenido y las imágenes del presente manual de uso han sido creados por STIGA S.p.A. y están protegidos por los derechos de autor – Se prohíbe toda reproducción o modificación, incluso parcial, no autorizada del documento.

ET • Käesoleva kasutusjuhendi sisu ja kujutised on toodetud konkreetselt ettevõttele STIGA S.p.A. ja neile rakendub autorikaitseseadus – dokumendi igasugune osaline või täielik ilma loata reprodutseerimine või muutmine on keelatud.

FI • Tämän käyttöoppaan sisältö ja kuvat on valmistettu STIGA S.p.A. -yhtiön toimesta ja niitä suojaa tekijänoikeuslaki. – Asiakirjan kaikenlainen kopioiminen tai muuttaminen, osittainkin, on kielletty ilman erityistä lupaa.

FR • Le contenu et les images du présent manuel d'utilisation ont été réalisés pour le compte de STIGA S.p.A. et sont protégés par un droit d'auteur – Toute reproduction ou modification non autorisée, même partielle, du document, est interdite.

HR • Sadržaj i slike u ovom priručniku za uporabu izrađeni su za tvrtku STIGA S.p.A. te su obuhvaćeni autorskim pravima – Zabranjuje se neovlašćeno umnožavanje ili prilagodba, djelomična ili u cijelosti, ovog dokumenta.

HU • Ennek a használati útmutatónak a tartalma és a benne szereplő képek kizárólag a STIGA S.p.A. számára készültek és szerzői joggal védettek – tilos a dokumentum bármely részének vagy egészének engedély nélküli sokszorosítása és módosítása.

LT • Šio naudotojo vadovo turinis ir paveikslėliai skirti tik „STIGA S.p.A.“ ir yra saugomi autorių teisėmis – dokumentą atgaminti ar modifikuoti, visiškai arba iš dalies, yra draudžiama.

LV • Šis lietotāja rokasgrāmatas saturs un attēli ir veidoti tikai STIGA S.p.A. un ir aizsargāti ar autoritētibām. Jebkāda dokumenta vai tā daļas prettiesiska kopēšana vai pārveide ir stingri aizliegta.

MK • Содржината и сликите во Упатството за корисникот се подготвени исклучиво за STIGA S.p.A. и се заштитени со авторски права – забрането е секое делумно или целосно неовластено репродуцирање или измена на документот.

NL • De inhoud en de afbeeldingen van deze gebruikshandleiding werden gerealiseerd voor rekening van STIGA S.p.A. en zijn beschermd door het auteursrecht – Elke niet-geautoriseerde reproductie of wijziging, ook gedeeltelijke, van het document is verboden.

NO • Innholdet og bildene i denne brukerveiledningen er utført på oppdrag fra STIGA S.p.A. og er beskyttet ved opphavsrett – Enhver gjengivelse eller endring, selv kun delvis, er forbudt.

PL • Treść oraz ilustracje zawarte w niniejszej instrukcji obsługi powstały na zlecenie spółki STIGA S.p.A. i są chronione prawami autorskimi – Zabrania się wszelkiego kopiowania bądź modyfikowania, także częściowego, niniejszego dokumentu bez uzyskania stosownej zgody.

PT • As imagens e os conteúdos contidos no presente Manual do Utilizador foram expressamente criados para uso exclusivo da STIGA S.p.A., encontrando-se protegidos por direitos de autor. Qualquer tipo de reprodução ou alteração, parcial ou integral, não autorizadas deste Manual estão expressamente proibidas.

RO • Conținutul și imaginile din manualul de utilizare de față au fost realizate în numele STIGA S.p.A. și sunt protejate de drepturi de autor – Este interzisă orice reproducere sau modificare chiar și parțială neautorizată a documentului.

RU • Тесты и изображения, содержащиеся в настоящем руководстве, были созданы в интересах STIGA S.p.A. и защищены авторскими правами – Любое несанкционированное воспроизведение или изменение документа запрещено.

SK • Obsah a obrázky v tomto návode na používanie boli spracované menom spoločnosti STIGA S.p.A. a sú chránené autorským právom – Reprodukcie či nepovolené pozměňovanie tohto dokumentu, a to aj čiastočné, je zakázané.

SL • Vsebine in slike v tem uporabniškem priručniku so izdelane za podjetje STIGA S.p.A. in so zaščiten z avtorskimi pravicami – vsakršno nepooblaščenno razmnoževanje ali spreminjanje dokumenta, v celoti ali delno, je prepovedano.

SR • Sadržaj i slike ovog priručnika za upotrebu su napravljeni u ime STIGA S.p.A. i zaštićeni su autorskim pravima – Zabranjena je svaka potpuna ili delimična reprodukcija ili izmena dokumenta bez odobrenja.

SV • Innehållet och bilderna i denna användarhandbok har framställts för STIGA S.p.A. och skyddas av upphovsrätt – all form av reproduktion eller ändring, även partiell, som inte auktoriserats är förbjuden.

TR • Bu Kullanıcı Kılavuzundaki içerik ve resimler açıkça STIGA S.p.A. için üretilmiştir ve telif hakkı ile korunmaktadır – dokümanın izinsiz olarak tamamen ya da kısmen herhangi bir şekilde çoğaltılması ya da değiştirilmesi yasaktır.



.....	
Type:	L_{WA} dB
..... -s/n -Art.N	
CE	

Manufactured for

STIGA S.p.A.

Via del Lavoro, 6

31033 Castelfranco Veneto (TV) ITALY

Manufactured by

AriensCo.,

655 West Ryan Street,

Brillion, WI 54110