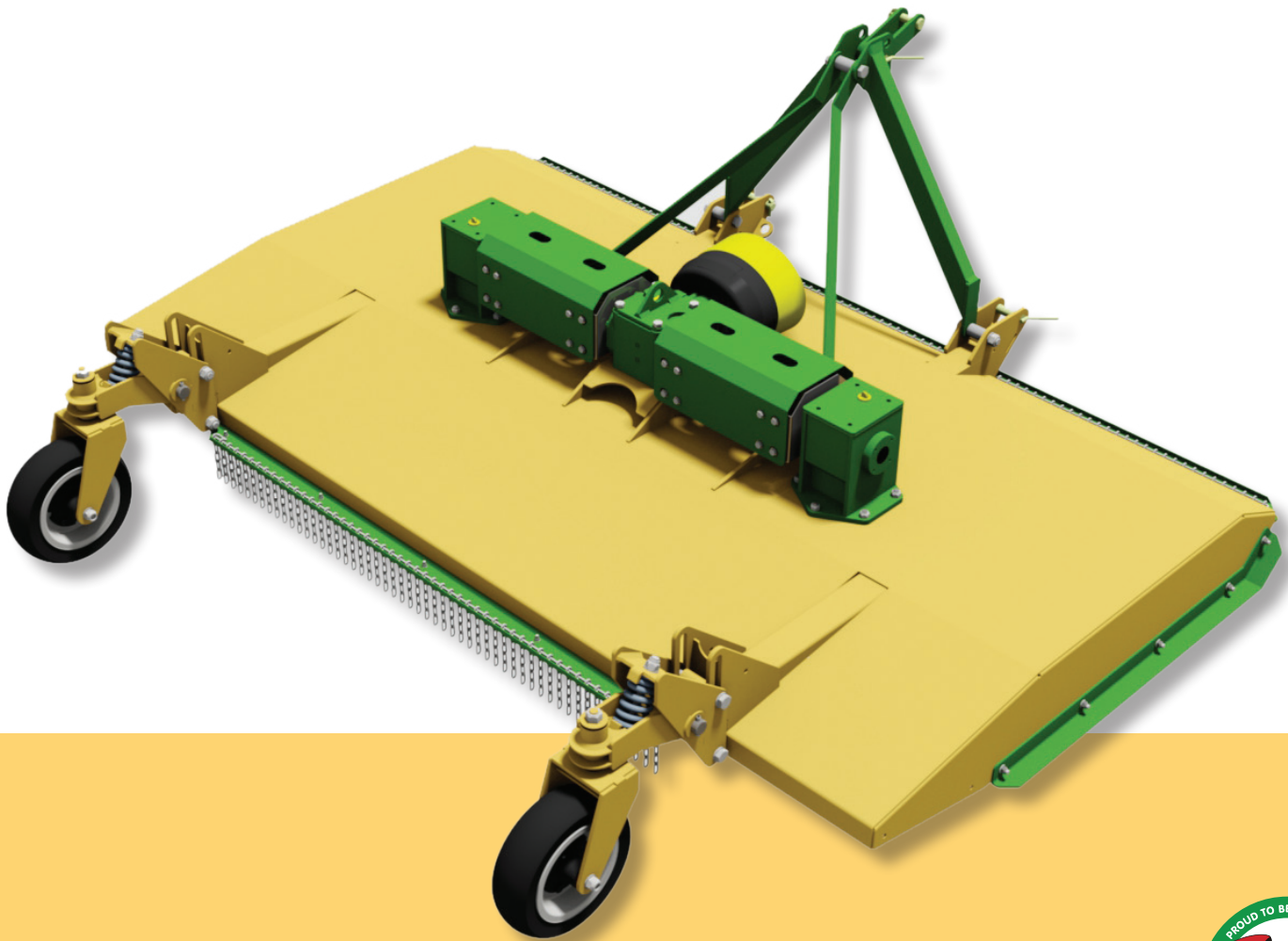




OPERATORS MANUAL / OPERATEURSHANDLEIDING

Slashers / Wentelsnyers

F60-300 Slasher
F60-300T Slasher



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INHOUD

VOORWOORD
MAATSKAPPYPROFIEL
WAARBORG EN VRYWARING
PRODUKREEKS
INSTALLERING
WERKING
INSTANDHOUDING
FOUTOPSPORING
PARTELYSTE

Authorised Dealer / Gemagtigde handelaar:

Date of Sale / Verkoopsdatum:

Implement:

Model No. / Model Nr.:

Serial No. / Reeks Nr.:

Part number M8412
Version 1
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FOREWORD



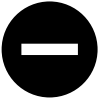
We at Falcon commend and congratulate you on the purchase of your Falcon implement, which we consider to be the best of its type available.

However, we would like to remind you that your success and satisfaction with the product will be greatly improved by you familiarising yourself with the contents of this manual. It contains important information relevant to the responsible operation, maintenance and most importantly, safe use of the product.

Note that failure to observe or comply with the provisions of this manual may result in unsafe operating conditions as well as damage to products and property which shall not be covered under warranty.

Should this manual become misplaced, damaged or destroyed, further copies are available from your Falcon dealer. Alternatively, this document is available for download from our website: www.falconequipment.co.za

Symbols used in this document

	Safety-critical notices	Failure to comply with these notices may result in serious damage to equipment, personal injury or death.
	Veiligheidskritieke kennisgewings	Versuim om aan hierdie kennisgewings gehoor te gee kan ernstige skade aan toerusting, persoonlike beserings of dood tot gevolg hê.
	Procedures and checks	To be carried out by suitably competent persons in the course of installation, operation and maintenance of the equipment.
	Prosedures en kontroles	Moet deur toepaslik bekwame persone uitgevoer word by die installering, bedryf en instandhouding van die toerusting.
	General information	Information provided for references purposes, including any external references intended to be read in conjunction with this manual.
	Algemene inligting	Inligting vir verwysingsdoeleindes, insluitend enige eksterne verwysings wat bedoel is om saam met hierdie handleiding gelees te word.

VOORWOORD

Ons by Falcon wens jou geluk met die aankoop van jou Falcon-implement, wat ons as die beste beskikbare werktuig in sy soort beskou.

Ons herinner u egter graag daaraan dat u sukses en tevredenheid met die produk grootliks verbeter sal word as u met die inhoud van hierdie handleiding vertrou raak. Dit bevat belangrike inligting met betrekking tot die verantwoordelike gebruik, instandhouding en, die heel belangrikste, veilige gebruik van die produk.

Let asseblief op dat versuim om die bepalings van hierdie handleiding na te kom tot onveilige bedryfstoeestand asook skade aan produkte en eiendom kan lei wat nie onder die waarborg gedek sal wees nie.

Indien hierdie handleiding dalk verloor, beskadig of vernietig sou word, is daar verdere kopieë by u Falcon-handelaar beskikbaar. Hierdie dokument kan ook van ons webwerf, www.falconequipment.co.za, afgelaai word.

Simbole wat in hierdie dokument gebruik word

COMPANY PROFILE

MAATSKAPPYPROFIEL

Falcon Agricultural Equipment (Pty) Ltd is the largest manufacturer of rotary cutters in Africa. The company opened its doors in 1985, at its current premises in Howick, Kwazulu-Natal, South Africa. This is the ideal location as it is an agricultural area with a leading agricultural college nearby.

Our primary market is the agricultural sector, with niche efforts into the industrial and turf implement markets. We distribute our products through a network of over 250 authorised dealers and approximately 110 dedicated mechanisation dealers countrywide. We also distribute our products across our borders into other African countries such as Botswana, Kenya, Malawi, Mozambique, Namibia, Uganda, Swaziland, Tanzania, Zambia, and Zimbabwe.

We manufacture the Falcon range of implements, and our ongoing program of innovation and improvement ensures that we consistently launch implements to satisfy our customers' ever-changing needs.

The Falcon range includes slashers, Haymakers[®], material handling implements, mulchers, mowers, spreaders, rotavators, and flail implements. Each is designed to be simple, safe, and serviceable while offering excellent value for money. They are built to last and are capable of coping with the tough South African conditions.

In many parts of South Africa "Falcon" is the generic term for grass-cutting implements, making us the undisputed leader in our field. Delivery on a marketing promise is the foundation of any successful marketing drive and farmers buying the Falcon brand buy more than just a product - they buy the heritage and expertise of a company that has been around for a long time!

We also import a range of implements that complement the locally manufactured ones. These include the Amazone spreaders, sprayers, mowers, and soil tillage implements (from Germany).

Falcon Agricultural Equipment (Pty) Ltd is committed to supporting our local communities in many different ways. Our main focus is the well-being of children and we provide a safe and suitable school environment for them, as well as school-related necessities.

Our team prides itself on its professional approach to business. We have built long-standing relationships with our dealers and their customers based on honesty, trust, respect, and integrity. Excellent customer service is an important part of the Falcon promise.

Falcon Agricultural Equipment (Edms.) Bpk. is die grootste vervaardiger van wentelsnyers in Afrika. Die maatskappy het sy deure in 1985 by sy huidige perseel in Howick, KwaZulu-Natal, Suid-Afrika, geopen. Die ligging is ideaal: in 'n boerderygebied met 'n vooraanstaande landboukollege naby.

Ons hoofmark is die landbousektor, met nisverkope in die nywerheids- en grasbaanimplement-markte. Ons versprei ons produkte deur 'n netwerk van meer as 250 gemagtigde handelaars met ongeveer 110 toegewyde meganisasiehandelaars landswyd. Ons versprei ook ons produkte oor ons grense na ander Afrikalande soos Botswana, Kenia, Malawi, Mosambiek, Namibië, Uganda, Swaziland, Tanzanië, Zambië, en Zimbabwe.

Ons vervaardig die Falcon-implementreeks en ons voortgesette program van vernuwing en verbetering verseker dat ons konstant implemente bekendstel wat ons kliënte se immer veranderende behoeftes bevredig.

Die Falcon-reeks sluit wentelsnyers, Hooimakers[®], materiaalhanteringsimplemente, mulchers, grassnyers, strooiers, kapploë en vleëlimplemente in. Almal is ontwerp om eenvoudig, veilig en diensbaar te wees terwyl hulle uitstekende waarde vir geld bied. Hulle is gebou om te hou en ons strawwe Suid-Afrikaanse toestande die hoof te bied.

In baie dele van Suid-Afrika is "Falcon" die generiese term vir grassny-implemente, wat ons die onbetwiste leier op ons gebied maak. Die nakom van 'n bemarkingsbelofte is die grondslag van enige geslaagde bemarkingsveldtog, en boere wat die Falcon-handelsmerk koop, koop meer as net 'n produk – hulle koop die erfenis en deskundigheid van 'n maatskappy wat al lank in die land is!

Ons voer ook 'n reeks implemente in wat die plaaslik-vervaardigdes komplementeer. Dit sluit in die Amazone-strooiers, -spuite, -grassnyers en -grondbewerkings-implemente (uit Duitsland).

Falcon Agricultural Equipment (Edms.) Bpk. is verbonde tot die ondersteuning van ons plaaslike gemeenskappe op baie verskillende maniere. Ons hooffokus is die welsyn van kinders, en ons verskaf vir hulle 'n veilige en geskikte skoolomgewing, sowel as skoolverwante benodigdhede.

Ons span is trots op sy professionele benadering tot besigheid. Ons het langdurige verhoudings met ons handelaars en hul klante opgebou wat op eerlikheid, vertroue, respek en integriteit gebaseer is. Voortreflike klantediens is 'n belangrike deel van die Falcon-belofte.

WARRANTY AND DISCLAIMER

Falcon products are manufactured in accordance with established quality standards and are accompanied by a limited warranty against defective materials and workmanship. In terms of this warranty, Falcon or an authorised Dealer may conduct reasonable repairs or replacement of products or parts of products, as required.

General conditions of limited warranty

Any claim with respect to warranty shall satisfy the following minimum conditions.

- The implement has not been subjected to misuse, abuse, damage or acts of negligence.
- The Owner is in possession of, and can demonstrate an understanding and application of the provisions of this manual.
- The implement has been used exclusively for its intended purpose and in a configuration in which it was designed to operate.
- Installation, setup, operation and maintenance of the implement have been carried out in accordance with this manual.
- Maintenance of the implement has been carried out as prescribed in this manual, using original and approved parts.
- The implement has not been subjected to structural, mechanical or any other unauthorised modification or repair.
- A warranty claim has been reported to an authorised Dealer within the prescribed warranty period for the product concerned.

Exclusions

The following items are excluded from warranty cover, including any costs relating to these.

- Parts reckoned as consumable or wearing parts.
- Products or parts of products exhibiting acceptable wear and tear.
- Temporary replacement, loan or hire of substitute parts or equipment.
- Transport and handling of affected products.
- Consequential damage or loss on the part of any person, organization or otherwise affected party.

Validity

This warranty supersedes all previous conditions of warranty, whether expressed or implied, including any previous obligation or liability on the part of Falcon in respect of non-conforming or defective product.

Disclaimer

Falcon maintains a programme of continuous product improvement and consequently reserves the right to change designs, specifications, descriptions and materials

WAARBORG EN VRYWARING

Falcon-produkte word vervaardig ooreenkomstig met gevestigde gehalte-standaarde en word deur 'n beperkte waarborg teen defektiewe materiale en vakmanskap gedek. Kragtens hierdie waarborg mag Falcon of 'n gemagtigde Handelaar redelike herstelwerk of vervanging van produkte of produkonderdele uitvoer, soos vereis.

Algemene voorwaardes van beperkte waarborg

Enige eis ten opsigte van die waarborg moet aan die volgende minimumvoorwaardes voldoen:

- Die implement is nie aan verkeerde gebruik, misbruik, beskadiging of verwaarlosing onderwerp nie.
- Die Eienaar is in besit van hierdie handleiding en kan 'n begrip en toepassing van die bepalings daarvan demonstree.
- Die implement is uitsluitlik vir die bedoelde doel gebruik en in 'n konfigurasie waarin dit ontwerp is om bedryf te word.
- Installering, opstelling, bedryf en instandhouding van die implement het in ooreenstemming met hierdie handleiding plaasgevind.
- Instandhouding van die implement is uitgevoer soos in hierdie handleiding voorgeskryf, met gebruik van oorspronklike en goedgekeurde onderdele.
- Die implement is nie aan enige strukturele, meganiese of enige ander ongemagtigde wysiging of herstelwerk onderwerp nie.
- Kennis van 'n waarborg-eis is binne die voorgeskrewe waarborgtydperk vir die betrokke produk aan 'n gemagtigde Handelaar gegee.

Uitsluitings

Die volgende items word van waarborgdekking uitgesluit, insluitend enige onkoste daaraan verbonde.

- Onderdele as verbruikbare of slytonderdele geag.
- Produkte of produkonderdele wat aanvaarbare slytasie vertoon.
- Tydelike vervanging, leen of huur van vervangingsonderdele of -toerusting.
- Vervoer en hantering van geaffekteerde produkte.
- Gevolglike skade of verlies aan of deur enige persoon, organisasie of andersins geaffekteerde party.

Geldigheid

Hierdie waarborg vervang alle vorige waarborgvoorwaardes, hetsy eksplisiet of geïmpliseer, insluitend enige vorige verpligting of aanspreeklikheid van Falcon ten opsigte van nie-ooreenstemmende of defekte produkte.

Vrywaring

Falcon handhaaf 'n program van voortdurende produkverbetering en gevolg behou ons die reg om ontwerpe, spesifikasies, beskrywings, materiale en enige ander

of construction and any other product attribute without prior notice. This includes no obligation to reflect such changes in documentation or literature or to provide any such changes to products previously sold or held in stock.

produkteienskap sonder voorafkennisgewing te wysig, insluitend geen verpligting om sulke veranderinge in dokumentasie of literatuur te weerspieël of aan te bring aan produkte wat voorheen verkoop of aangehou is nie.

Warranty Periods

Brands	Product groups	Components	Origin	Versions	Period	
Falcon	Slashers Haymakers® Rollermowers Blowermowers™	Gearboxes	Imported	All	2y	
			Falcon	F50	3y	
				F80	3y	
			PTO shafts	Imported	All	1y
		OEM parts	Falcon	All	2y	
	Dual-spindle Slashers Dual-spindle Haymakers® Flexwing Grassmulchers™ Fieldmulchers™ SD Mulchers Rotagang®	Gearboxes	Imported	All	1y	
				Falcon	F50	2y
			F60		1y	
			F80		2y	
			PTO shafts	Imported	All	1y
			OEM parts	Falcon	All	1y
	Flail implements	Gearboxes	Imported	All	1y	
		PTO shafts	Imported	All	1y	
		OEM parts	Falcon	All	1y	
	Rotavators	Gearboxes	Falcon	All	1y	
		OEM parts	Falcon	All	1y	
	Rotorspreaders	OEM parts	Falcon	All	1y	
PTO shafts		Imported	All	1y		
Limespreaders	OEM parts	Falcon	All	1y		
Bale forks + beams	OEM parts	Falcon	All	1y		
Unloaders®	OEM parts	Falcon	All	1y		
Bale Grab	OEM parts	Falcon	All	1y		
Amazone	Spreaders Sprayers Soil Tillage Turf equipment	All	Amazone	All	1y	

PRODUCT RANGE

The Falcon F60 range of dual-spindle Slashers are intended for general grass cutting and slashing operations over wide expanses.

- Available in a working width of 3.0 m, they are suitable for tractors between 35 and 90 kW.
- Both models feature a central T-gearbox and Falcon's new locally-manufactured F60 series gearboxes - providing reliable, trouble-free operation and greatly improved ease of maintenance.
- Intermediate drive shafts are fitted with torque dampening couplings which accommodate the higher demands of counter-rotating cutting mechanisms.

Two tractor mounting configurations are available.

1. A mounted 'semi-trailed' (F60-300) which is transported on the tractor 3-point hitch and with manual, pre-set cut height settings.
2. A 'fully-trailed' (F60-300T) which is attached to the tractor towing hitch and can therefore be accommodated on tractors of smaller capacity. Cut height setting is accomplished by hydraulic remote control.

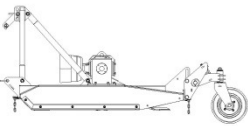
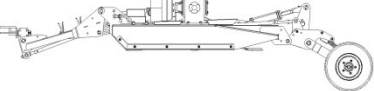
PRODUKREEKS

Die Falcon F60-reeks tweespil-wentelsnyers is ontwerp vir algemene grassny- en bossiekapwerk oor uitgestrekte gebiede.

- Hulle is beskikbaar in 'n werkswydte van 3.0 m en is geskik vir trekkers tussen 35 en 90 kW.
- Albei modelle het 'n sentrale T-ratkas en Falcon se nuwe plaaslik-vervaardigde F60-reeks-ratkaste, wat betroubare, moeitevrye werking en heelwat makliker instandhouding verskaf.
- Tussenasse is toegerus met wringkragdempende koppelings wat vir die hoër eise van teendraaisny-meganismes voorsiening maak.

Twee trekkermonterings konfigurasies is beskikbaar.

1. 'n Gemonteerde semigesleepte snyer (F60-300) wat aan die trekker se 3-punt-haak vervoer word en met snyhoogtes wat vooraf met die hand gestel is.
2. 'n Ten volle gesleepte snyer (F60-300T) wat aan die trekker se sleephaak vas kom en derhalwe geskik is vir kleiner trekkers. Snyhoogtes word met behulp van hidrouliese afstandbeheer gestel.

Profile	Model/ (Part No.)	Blades/ Spindles (qty)	Working Width (mm)	W x L (mm)		Mass (kg)	Power, Max. (kW)
	F60-300 (A0095)	2 (x2)	3000	3230	2620	938	60 - 90
	F60-300T (A0096)	2 (x2)	3000	3230	4040	1108	35 - 90
Profiel	Model/ (Onderdeelnr.)	Lemme/ Stelle (hoev.)	Werkswydte (mm)	B x L (mm)		Massa (kg)	Krag, Maks. (kW)

INSTALLATION

Attaching the implement to the tractor

- ⚠ Do not enter the area between the tractor and the implement unless the tractor engine is shut off, handbrake applied and the key is removed from the ignition.
- ⚠ Use only hitch pins and linchpins of the correct specification, such as those provided with the implement.

➤ F60-300 semi-trailed model

The implement is equipped with a standard 3-point hitch for attachment to the tractor, including a flexible link for top link attachment.

- ✔ With the implement in the working position, the tractor 3-point hitch top link length should be adjusted (Fig. 1-A) to allow the flexible link (Fig. 1-B) to assume an angle of approx. 45 degrees. Note that multiple hole locations (Fig. 1-C) are available in order to achieve an acceptable hitch geometry in both the working and lifted positions.
- ✔ After attachment to the tractor, lift the implement to an acceptable transport height and ensure that there is no contact between the implement and any part of the tractor.
- ✔ Adjust the tractor 3-point hitch stabiliser arms to prevent excessive lateral movement of the implement.
- ✔ Set the tractor hitch lift arms to a floating position to enable independent movement of the arms during cutting.

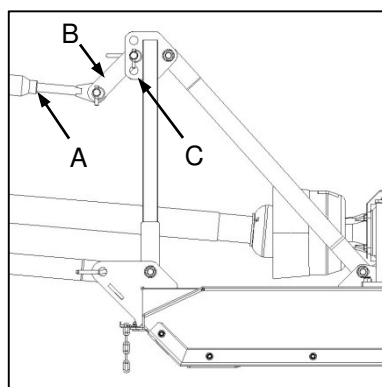


Fig. 1

INSTALLERING

Koppel van die implement aan die trekker

- ⚠ Moenie tussen die trekker en die implement inbeweeg tensy die trekkerenjin afgeskakel, die handrem opgetrek en die sleutel uit die aansitter verwyder is nie.
- ⚠ Gebruik slegs haak- en lunspenne met die korrekte spesifikasies soos dié wat saam met die implement verskaf is.

➤ F60-300 semigesleepte model

Die implement is toegerus met 'n standaard 3-punt-haak om dit aan die trekker te koppel, insluitend 'n flotering skakel vir bo-skakel koppeling.

- ✔ Met die implement in die werksposisie, verstel die lengte van die trekker se 3-punt-boskakel (Fig. 1-A) sodat die flotering skakel (Fig. 1-B) in omtrent 'n 45 grade-posisie is. Benut die verskillende gat-opsies (Fig. 1-C) om aanvaarbare hoeke in sowel die werksposisie as die opgeligte posisie te verkry.
- ✔ Nadat dit aan die trekker gehaak is, lig die implement tot 'n aanvaarbare vervoerhoogte op en verseker dat daar geen kontak tussen die implement en enige deel van die trekker is nie.
- ✔ Verstel die trekker se 3-punt-haak-stabiliseerderarms om oormatige sywaartse beweging van die implement te verhoed.
- ✔ Stel die trekkerhaak se laerskakelarms in die flotering posisie om onafhanklike beweging van die arms tydens sny moontlik te maak.

➤ F60-300T trailed model

The implement is equipped with a clevis-type towing hitch, intended for attachment only to a single-tab towing arm or a linkage drawbar.

- ⊖ Only a single-tab towing hitch (or ideally a linkage drawbar facility) should be used on the tractor to engage with the implement towing hitch. Failure to observe these requirements will result in damage to

➤ F60-300T gesleepte model

Die implement is toegerus met 'n vurktype sleephaak wat slegs vir koppeling aan 'n enkelliptrekstang of 'n koppeltrekstang bedoel is.

- ⊖ Slegs 'n enkelliptrekstang (of ideaalweg 'n koppeltrekstangfasiliteit) moet op die trekker gebruik word om die implement aan te haak. Versuim om hierdie vereistes na te kom sal lei tot skade aan die

the implement hitch and other failures not covered under warranty.

- ⊖ Note also that this implement is intended for use on tractors with a minimum towing hitch height of 400 mm and which can be accommodated by rotating and inverting the front towing hitch clevis on the implement if required.

A parking jack is provided for assistance in hitching or unhitching of the implement from the tractor.

- ✔ Insert the parking jack (Fig. 3-A) into the socket on the implement hitch and install the pin provided.
- ✔ When hitching the implement to the tractor, adjust the jack height until the implement hitch clevis height coincides with the tractor towing hitch height. Engage the lowest available gear on the tractor and reverse the tractor towing hitch into the implement towing hitch clevis.
- ✔ Lower the parking jack to allow the implement top hitch clevis plate to rest on the tractor towing hitch and insert the hitch pin and relevant locking facility.
- ✔ Place the parking jack in storage bracket (Fig. 3-C) provided on the front right-hand corner of the main deck while the implement is in operation.

When unhitching the implement from the tractor, adjust the jack height until the load is removed from the tractor towing hitch. Remove the hitch pin and extract the tractor towing hitch by engaging the lowest available gear on the tractor and travelling forwards.

implementhaak en ander onklaarraking wat nie deur die waarborg gedek word nie.

- ⊖ Let ook op dat hierdie implement ontwerp is vir gebruik met trekkers met 'n minimum sleephaak-hoogte van 400 mm en wat geakkommodeer kan word deur die voorste sleephaakvurk op die implement te roteer en indien nodig om te draai.

'n Parkeerdruk word voorsien om met aan- en afhaak van die implement aan en van die trekker te help.

- ✔ Druk die parkeerdruk (Fig. 3-A) in die sok aan die implementhaak en druk die pen in wat voorsien is.
- ✔ Wanneer die implement aan die trekker gehaak word, verstel die drukhoogte totdat die implement se haakvurk op dieselfde hoogte as die trekkersleephaak is. Sit die trekker in die laagste trurat en stoot die trekkersleephaak in die implement se sleephaakvurk in.
- ✔ Laat sak die parkeerdruk totdat die implement se boonste haakvurkplaat op die trekker se sleephaak rus en druk die haakpen en toepaslike sluitfasiliteit in.
- ✔ Stoor die parkeerdruk in die stoorklamp (Fig. 3-C) op die voorste regterhoek van die hoofdek terwyl die implement in gebruik is.

Wanneer die implement afgehaak word, verstel eers die drukhoogte totdat die trekkersleephaak geen gewig meer dra nie. Verwyder die haakpen en ry in die laagste beskikbare rat vorentoe om die trekkersleephaak uit te trek.

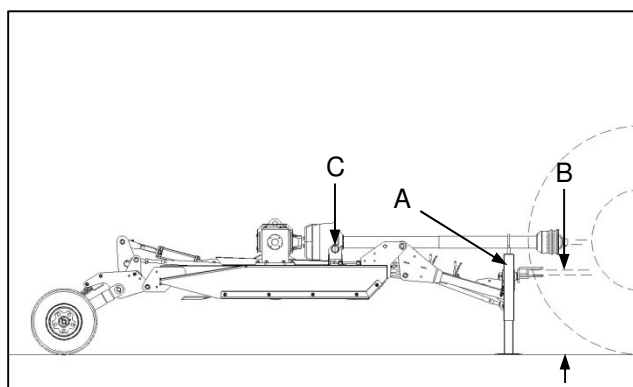


Fig. 3

Installing the PTO driveshaft

- ⚠ Ensure proper engagement between the PTO driveshaft couplings and the input and output shafts on the implement and tractor.
- ⚠ Ensure sufficient overlap of the PTO driveshaft tubes at the working position.
- ⚠ Do not exceed the specified PTO driveshaft speed.
- ⚠ Do not operate the implement without PTO driveshaft guards in place and in good condition. Anti-rotation chains must be attached.
- ⚠ Replace damaged or missing PTO guard parts only with original spare parts.

Installering van die kragtakkeras

- ⚠ Verseker behoorlike inskakeling tussen die kragtakkeras se koppelstukke en die inset- en leweringsasse aan die implement en trekker.
- ⚠ Verseker voldoende oorvleueling van die kragtakkeras se buise in die werksposisie.
- ⚠ Moenie die gespesifiseerde kragtakkeras-spoed oorskry nie.
- ⚠ Moenie die implement bedryf sonder dat kragtakkeras-skerm in posisie en in 'n goeie toestand is nie. Antirotasie-kettings moet aangeheg wees.
- ⚠ Vervang beskadigde of vermiste kragtakkeras-skerm-

⚠ Do not approach the rotating PTO driveshaft and avoid loose fitting clothing to prevent entanglement.

➤ All models

Due to the many variations in tractor and implement hitch configurations, it is likely that the supplied PTO driveshaft will have to be cut to suit the operating distance between the tractor and the implement.

- ✔ Before cutting the PTO driveshaft to the appropriate operating length, refer to the manufacturer's instructions supplied with the PTO driveshaft.
- ✔ Following installation of the PTO driveshaft, lift the implement to the appropriate transport height and ensure that there is no contact between the PTO driveshaft and the implement (Fig. 4-A/5-A).
- ✔ Ensure that universal joint operating angles are not exceeded and that over-compression or over-extension of the PTO driveshaft is prevented (Fig. 4-B/5-B).

⊖ All PTO drive shafts supplied on Falcon implements are accompanied by a product handbook (IM-03-2008) describing all aspects of installation, operation, maintenance and safety with respect to the PTO drive shaft. The document constitutes part of this manual and will be found attached to the PTO drive shaft supplied with each new Falcon implement.

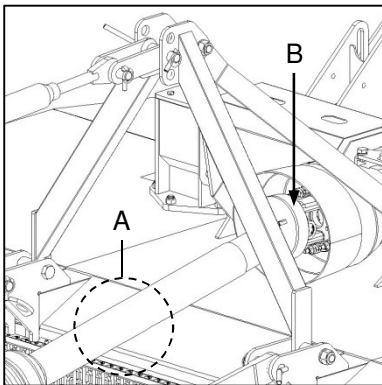


Fig. 4

✔ On the F60-300T trailed model, specific checks should be conducted at the point of maximum articulation of the PTO driveshaft, i.e. while turning and lifted to its highest position (Fig. 5-A/B).

⊖ When using a linkage drawbar, ensure that the upper limit of tractor hitch position control is securely set to prevent inadvertent damage to the PTO driveshaft.

onderdele slegs met oorspronklike onderdele.

⚠ Moenie naby die draaiende kragaftakkeras kom nie en verhoed lospassende klere om verstrengeling te vermy.

➤ Alle modelle

Vanweë die talle variasies in trekker- en implementhaak-konfigurasies sal die kragaftakkeras wat verskaf is, waarskynlik verkort moet word om by die werksafstand tussen die trekker en die implement te pas.

- ✔ Voordat die kragaftakkeras tot die gepaste werkslengte gesny word, verwys na die vervaardigersinstruksies wat saam met die kragaftakkeras voorsien is.
- ✔ Nadat die kragaftakkeras geïnstalleer is, lig die implement tot op die gepaste vervoerhoogte en verseker dat daar geen kontak tussen die kragaftakkeras en die implement is nie (Fig. 4-A/5-A).
- ✔ Verseker dat kruiskoppelingwerkshoeke nie oorskry word nie en maak seker dat die kragaftakkeras nie te veel saamgepers of oorverleng is nie (Fig. 4-B/5-B).

⊖ Alle kragaftakkerasse wat voorsien word saam met Falcon produkte word verskaf met 'n handleidingsboek (IM-03-2008) wat alle aspekte van installasie, operasionele gebruik, onderhoud en veiligheidsmaatreëls i.v.m. die kragaftakkeras verduidelik. Die dokument vorm deel van die handleiding en sal aangeheg word aan elke kragaftakkeras wat op elke nuwe implement deur Falcon voorsien word.

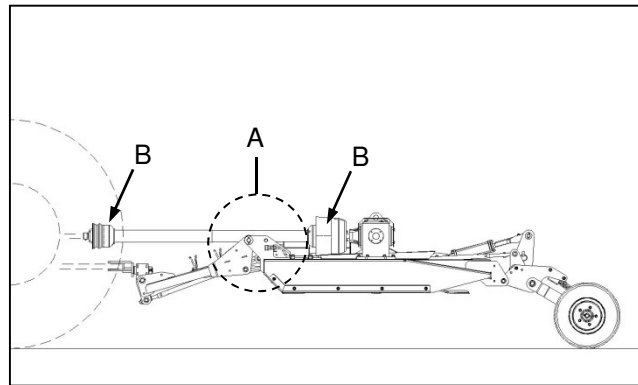


Fig. 5

✔ Op die gesleepte model moet spesifieke kontroles uitgevoer word by die maksimum-artikulasie-punt van die kragaftakkeras, d.w.s. wanneer daar gedraai en dit tot sy hoogste posisie opgelig word (Fig. 5-A/B).

⊖ Wanneer 'n koppeltrekstang gebruik word, verseker dat die hoogste perk van die trekkerhaakposisiekontrole stewig vas is om skade aan die kragaftakkeras te verhoed.

Hydraulic coupling

- ⚠ Do not connect or disconnect hydraulic lines while the implement hydraulic circuit is pressurised.
- ⚠ Remove all loads from hydraulic cylinders by providing suitable additional support for the implement prior to connecting or disconnecting hydraulic lines.

➤ F60-300T trailed model only

The implement is equipped with a single-acting hydraulic cylinder for the purpose of remote height adjustment.

- ✔ Connect the implement hydraulic line to an available single-acting auxiliary spool valve on the tractor.
 - ✔ Adjust flow-control at the spool valve to provide smooth, safe and controllable operation of the hydraulic circuit.
- ⊖ The hydraulic circuit on this implement is intended to operate at a working pressure of 180 Bar and a maximum relief pressure of 200 Bar. It is the responsibility of the Owner to ensure that these conditions are met as failure to do so will result in failures and damages not covered under warranty.

Settings and adjustment

- ⚠ Do not perform maintenance or any other work on the implement unless the tractor engine is shut off, handbrake applied and the key is removed from the ignition.
- ⚠ Do not perform maintenance or any other work on the implement while it is suspended only on the tractor 3-point hitch, supported only by the hydraulic system, or without suitable additional support for the implement.

➤ F60-300 semi-trailed model

The working height of the implement is set by adjusting the position of the rear wheel assembly in relation to the implement deck.

- ✔ To set the working height, remove the lower wheel assembly retaining bolt (Fig. 6-B) and loosen the upper retaining bolt (Fig. 6-A).
- ✔ Slide the wheel assembly to an appropriate working position and replace the lower retaining bolt, which should coincide with an available hole position.
- ✔ Be sure to select similar hole positions at both rear wheel adjustment points.
- ✔ In the working position, the front of the implement is supported on the tractor 3-point hitch. To level the implement, set the lower link arm positions (Fig. 7-A) such that the implement is parallel to the ground (Fig. 7-B).
- ✔ Note that additional lugs (Fig. 7-C) are provided for the attachment of check-chains in cases where the tractor lower hitch position is unreliable or prone to sagging. Check chains of the required length (ideally adjustable)

Hidrouliese koppeling

- ⚠ Moenie hidrouliese pype koppel of ontkoppel terwyl die implement se hidrouliese stelsel onder druk is nie.
- ⚠ Verwyder alle ladings van hidrouliese silinders deur geskikte addisionele steun te voorsien vir die implement voor koppeling of ont koppeling van hidrouliese pype.

➤ Slegs F60-300T gesleepte model

Die implement is toegerus met 'n enkelrigting hidrouliese silinder vir afstandbeheerde hoogteverstelling.

- ✔ Koppel die implement se hidrouliese pype aan 'n beskikbare enkelrigting hulpskietklep aan die trekker.
 - ✔ Verstel vloeibeheer by die skietklep om gladde, veilige en beheerbare werking van die hidrouliese stelsel te voorsien.
- ⊖ Die implement se hidrouliese stelsel is ontwerp om teen 'n druk van 180 Bar en 'n maksimum ontlastingsdruk van 200 Bar te werk. Die eienaar is verantwoordelik om te verseker dat hierdie voorwaardes nagekom word, en versuim daarvan sal lei tot onklaarraking en skade wat nie deur die waarborg gedek word nie.

Instelling en verstelling

- ⚠ Moenie enige instandhouding- of ander werk aan die implement doen tensy die trekkerenjin afgeskakel, die handrem opgetrek en die sleutel uit die aansitter verwyder is nie.
- ⚠ Moenie enige instandhouding- of ander werk aan die implement uitvoer terwyl dit nog aan die trekker se 3-punthaak hang, net deur die hidrouliese stelsel opgehou word, of sonder addisionele steun vir die implement nie.

➤ F60-300 semigesleepte model

Die implement se werkshoogte word gestel deur die posisie van die agterwielmontering in verhouding tot die implementdek te verstel.

- ✔ Om die werkshoogte te stel, verwyder die onderste wielmonteringsklemhout (Fig. 6-B) en maak die boonste klemhout los (Fig. 6-A).
- ✔ Skuif die wielmontering na 'n gepaste werksposisie en plaas die onderste klemhout in die betrokke beskikbare ooreenstemmende gat terug.
- ✔ Maak seker dat die posisies van die gate vir die twee agterwielverstele dieselfde is.
- ✔ In die werksposisie word die voorkant van die implement deur die trekker se 3-punt-haak gesteun. Om die implement waterpas te maak, stel die onderste koppelarmposisies (Fig. 7-A) so dat die implement parallel met die grond is (Fig. 7-B).
- ✔ Let op dat bykomende aanhaakpunte (Fig. 7-C) vir die aanheg van keerkettings voorsien word vir gevalle waar die trekker se 3-punt-haak onbetroubaar is of dalk kan sak. Keerkettings van die vereiste lengte (verkieslik

may be fitted between the tractor top link mounting pin and the lugs provided on the implement.

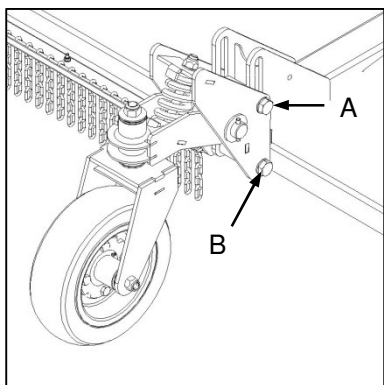


Fig. 6

verstelbaar) mag tussen die trekker se boskakelmonteerpen en die aanhaakpunte aan die implement aangebring word.

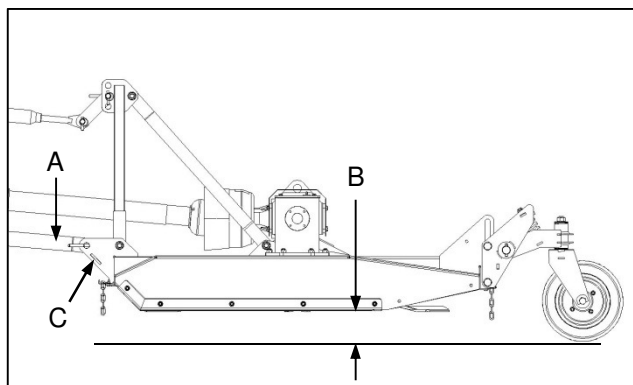


Fig. 7

➤ **F60-300T trailed model**

Working height setting of the implement is accomplished hydraulically. For more detailed information on using this facility, refer to the chapter "OPERATION", elsewhere in this manual.

This implement must be properly levelled once hitched to the selected tractor. There are two principal adjustments that need to be carried out.

1. Longitudinal (front > rear) levelling: This controls the front to rear cutting height relationship and ensures that the implement remains parallel to ground level throughout its available range of height adjustment.
2. Hitch clevis levelling: This ensures that the towing hitch clevis remains parallel to the tractor towing arm to allow unrestricted movement of the implement hitch mechanism and to prevent excessive hitch clevis wear.

Longitudinal levelling is accomplished by adjusting the tie-rods which connect the rear wheel carrier assembly to the front drawbar.

- ✔ Set the rear height to the maximum setting by operating the main height adjustment cylinder and applying the cylinder lock (Fig. 8-A).

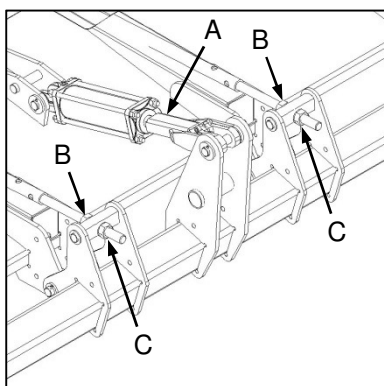


Fig. 8

➤ **F60-300T gesleepte model**

Werkshoogte-instelling van die implement word hidroulies uitgevoer. Vir meer besonderhede oor die gebruik van hierdie fasiliteit, verwys na die hoofstuk "WERKING" elders in hierdie dokument.

Hierdie implement moet behoorlik waterpas gemaak word nadat dit aan die trekker gehaak is. Daar is twee hoofinstellings wat uitgevoer moet word.

1. Lengte wysse waterpasstelling (voor > agter): Dit beheer die voor-na-agter snyhoogte verhouding en verseker dat die implement deur die hele spektrum hoogteverstellings parallel met die grond bly.
2. Haakvurkwaterpasstelling: Dit verseker dat die sleephaakvurk parallel met die trekker sleepstang bly om onbelemmerde beweging van die implement haakmeganisme toe te laat en oormatige haakvurkslyting te verhoed.

Lengte gewyse waterpas word verkry deur verstelling van die spoorstange wat die agterwielmontering aan die voorste trekstang verbind.

- ✔ Stel die agterste snyhoogte op die maksimum deur die hoof-hoogteverstellingsilinder te verleng en die silinderslot te sluit (Fig. 8-A).

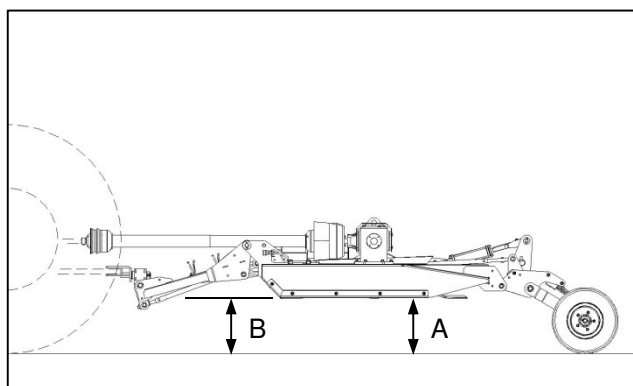


Fig. 9

- ✔ Release the tie-rod locknuts (Fig. 8-B) and turn the adjusting nuts (Fig. 8-C) clockwise to raise the front of the implement in relation to the rear. Conversely, turn these counter-clockwise to lower it.
- ✔ Adjust the left and right side tie-rods in equal increments until the implement is level with the ground (Fig. 9-A/B).
- ✔ Securely tighten all locking nuts after adjustment.

⊖ Re-adjustment of longitudinal levelling will be required on each occasion that the implement is hitched to a tractor of a different towing hitch height.

Once the implement is levelled the hitch clevis angle should be adjusted.

- ✔ Release the front hitch tie-rod locknut (Fig. 10-A) and turn the adjusting nut (Fig. 10-B) to set the hitch clevis angle such that it is parallel to the tractor towing hitch (Fig. 10-C).
- ✔ Securely tighten all locking nuts after adjustment.

- ✔ Ontspan die spoorstangsluitmoere (Fig. 8-B) en draai die verstelmoere (Fig. 8-C) kloksgewys om die voorste deel van die implement relatief tot die agterkant te verhoog, of antikloksgewys om dit te verlaag.
- ✔ Verstel die linker- en regterspoorstange geleidelik ewe veel totdat die implement waterpas is met die grond (Fig. 9-A/B).
- ✔ Draai alle sluitmoere styf vas na verstelling.

⊖ Hervestelling van lengtegewyse waterpas sal nodig wees telkens wanneer die implement aan 'n trekker met 'n verskillende sleepaakhoogte gehaak word.

Na waterpasstelling van die implement moet die vurkhaakhoek verstel word.

- ✔ Ontspan die voorste spoorstangsluitmoer los (Fig. 10-A) en draai die verstelmoer (Fig. 10-B) om die vurkhaakhoek so te stel dat dit parallel met die trekker se sleepaak is (Fig. 10-C).
- ✔ Draai alle sluitmoere styf vas na verstelling.

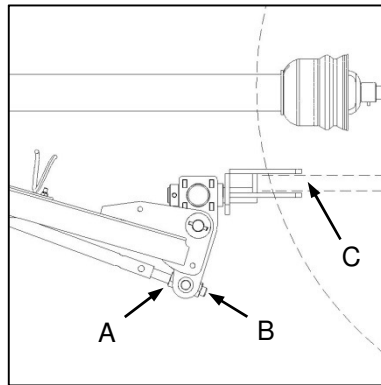


Fig. 10

Lubrication and oil levels

> All models

Confirm that all gearbox oil levels are correct prior to use of the implement.

- ✔ A dipstick (Fig. 11-A) is provided on each of the outboard gearboxes for this purpose. The oil level should fall within the area indicated on the dipstick.

Smering en olievlakke

> Alle modelle

Verseker dat die ratkasolievlakke korrek is voordat die implement gebruik word.

- ✔ Elk van die buiteratkaste het 'n peilstok (Fig. 11-A) vir hierdie doel. Die olievlak moet binne die perke val wat op die peilstok aangedui word.

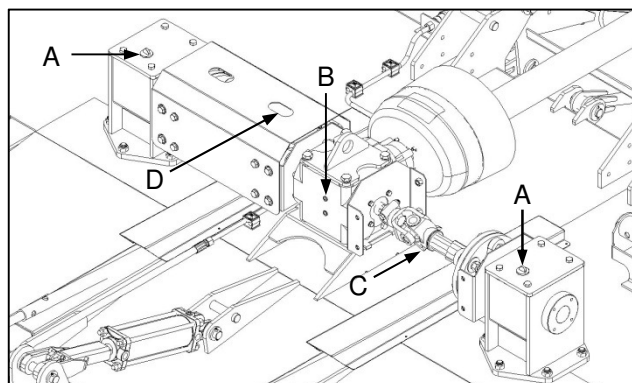


Fig. 11, (F60-300T)

- ✔ The centre gearbox is equipped with oil filling ports. Remove the upper filler plug (Fig. 11-B) and add oil through the filling port so that the oil level coincides with the bottom edge of the hole.

Ensure that the main PTO driveshaft and intermediate shafts are properly lubricated prior to use of the implement.

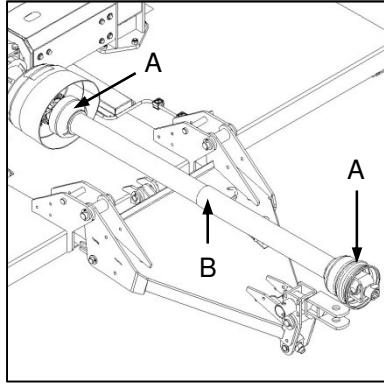


Fig. 12

- ✔ Apply grease to the universal joints (Fig. 12-A/13-A) and telescopic tubes (Fig. 12-B/13-B) of the main PTO driveshaft.
- ✔ Intermediate shafts (Fig. 11-C, with cover removed for clarity) should have grease applied to the UV joint as well as the telescopic tubes. Note that both of these locations are accessible through apertures provided on the intermediate shaft cover (Fig. 11-D).

- ⊖ For additional information, refer to the PTO manufacturer's handbook supplied with the implement.

- ✔ Die sentrale ratkas is van olieulgate voorsien. Verwyder die boonste vullerprop (Fig. 11-B) en voeg olie by totdat die olievlak gelyk is met die onderste rand van die gat.

Verseker dat die hoofkragaftakkeras en tussenasse behoorlik gegries is voor gebruik van die implement.

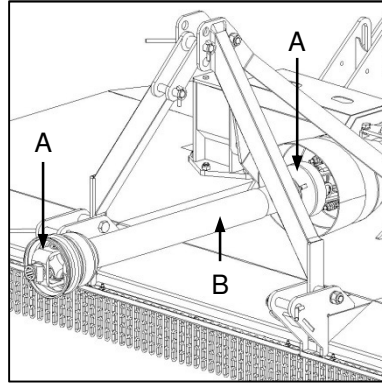


Fig. 13

- ✔ Ghries die kruiskoppelings (Fig. 12-A/13-A) en teleskopiese buise (Fig. 12-B/13-B) van die hoofkragaftakkeras.
- ✔ Tussenasse (Fig. 11-C, getoon met omhulsel verwyder) se kruiskoppeling en teleskopiese buise moet gegries word. Let op dat albei deur openinge in die tussenas-omhulsel bereik kan word (Fig. 11-D).

- ⊖ Verwys vir verdere inligting na die kragaftakkeras se vervaardigershandboek wat saam met die implement voorsien is.

OPERATION

General

It is the responsibility of the Owner to ensure that the operation of an agricultural tractor and any attached equipment is carried out in accordance with all applicable laws, regulations and practices relating to safe and responsible operation.

- ➔ Applicable regulations should include but not be limited to the South African Occupational Health and Safety Act No. 83 of 1993 and the South African National Road Traffic Act No. 93 of 1996.
- ➔ Refer also to operational information relevant to the tractor concerned, including handbooks, operators manuals, safety and warning notices and decals.

Preparation for use

- ⚠ Only suitably trained persons should operate the implement and no person should operate the implement without first studying and establishing a complete understanding of the content of this manual.

The implement must be thoroughly inspected and prepared before each use and with reference to procedures described elsewhere in this manual.

1. Attaching the implement to the tractor.
2. Installing the PTO driveshaft.
3. Settings and adjustment.
4. Lubrication and oil levels.
5. Routine maintenance (before and after each use).

Inspect the work area.

- ✔ Remove any movable obstructions from the work area, especially any object which may become a projectile.
- ✔ Note the presence of ditches, holes, stumps, rocks, or any other obstruction that might destabilise the tractor or cause damage to the implement. Remove these obstacles where possible, otherwise note and avoid these areas during cutting.

Operating the implement

- ⚠ Never approach or allow any person to approach the implement unless the implement has been lowered to the ground, the tractor engine is shut off, handbrake applied and the implement cutting gear has come to a complete stop.
- ⚠ Actively discourage spectators and cease operation of the implement if any person approaches or enters the work area.
- ⚠ Be sure to operate the implement only at the

WERKING

Algemeen

Dit is die verantwoordelikheid van die eienaar om te verseker dat die bedryf van 'n landboutrekker en enige gekoppelde toerusting uitgevoer word in ooreenstemming met alle toepaslike wette, regulasies en praktyke wat met veilige en verantwoordelike bediening te doen het.

- ➔ Toepaslike regulasies sluit in, maar is nie beperk tot, die Suid-Afrikaanse Wet op Beroepsgesondheid en Veiligheid nr. 85 van 1993 en die Suid-Afrikaanse Wet op Nasionale Padverkeer nr. 93 van 1996 nie.
- ➔ Verwys ook na tersaaklike bedryfsinligting oor die betrokke trekker, insluitend handboeke, operateurs-handleidings, veiligheid en waarskuwingskennisgewings en -plakkers.

Vorbereiding vir gebruik

- ⚠ Slegs toepaslik opgeleide persone moet die implement bedryf, en geen persoon moet dit bedryf sonder om eers die inhoud van hierdie handleiding te bestudeer en 'n volledige begrip daarvan te verkry nie.

Die implement moet telkens eers deeglik geïnspekteer en voorberei word voor dit gebruik word en met verwysing na prosedures wat in ander dele van hierdie handleiding beskryf word.

1. Koppeling van die implement aan die trekker.
2. Installering van die kragaftakkeras.
3. Instellings en verstellings.
4. Smering en olievlakke.
5. Roetine-instandhouding (voor en na elke gebruik).

Inspekteer die werksgebied.

- ✔ Verwyder enige los obstrukties van die werksgebied, veral enige voorwerp wat dalk 'n projektiel mag word.
- ✔ Let op enige dongas, gate, stompe, klippe, of enige ander obstruksie wat die trekker mag destabiliseer of die implement kan beskadig. Verwyder hierdie hindernisse waar moontlik, of anders moet hierdie gebiede gedurende sny vermy word.

Bedryf van die implement

- ⚠ Moet nooit die implement benader, of toelaat dat enigiemand anders dit doen, tensy die implement op die grond laat sak is, die trekkerenjin afgeskakel is, die handrem opgetrek en die implement se snyemeganisme heeltemal tot stilstand gekom het nie.
- ⚠ Toeskouers moet aktief ontmoedig word. Snywerk moet onmiddellik gestaak word as enige persoon die werksgebied benader of dit betree.
- ⚠ Verseker dat die implement slegs teen die

specified PTO input speed.

- ⚠ Do not approach the rotating PTO shaft and avoid loose fitting clothing to prevent entanglement.
- ⊖ Failure to operate the implement at the specified PTO shaft speed can result in unsafe operating conditions as well as structural and mechanical failure not covered under warranty.

The cutting process

The following procedure is recommended for starting the cutting process and, in general, should be followed on each occasion that PTO input is engaged.

- ✔ Start the tractor with the implement suspended on the tractor 3-point hitch, alternatively (in the case of the F60-300T trailed version) at the maximum available height.
- ✔ Lower the implement so that it is just clear of the ground and engage the PTO at idle speed.
- ✔ Set the throttle to provide the specified PTO input speed and lower the implement to the working position.
- ✔ Place the tractor in a low gear and begin cutting.
- ⊖ Unless otherwise indicated, the specified implement PTO input speed shall be 540 r/min.
- ⊖ On tractors with an "economy" PTO drive option (indicated as 540E on the tractor tachometer) refer to the tractor operators manual in selecting the relevant PTO gearbox ratio on the tractor to maintain the specified implement PTO input speed.

Controlling the cutting process.

- ✔ Tractor forward speed should be controlled by gear selection and NOT engine speed.
- ✔ Tractor engine speed must be pre-set to continuously provide the specified PTO input speed, while forward speed should be controlled by an appropriate gear selection.
- ✔ When cornering or turning at the headland, should it be necessary for tractor forward speed to be reduced, the PTO drive should be disengaged and re-engaged prior to the next cutting pass.

Transportation and storage

➤ F60-300 semi-trailed model

The implement may be transported on the tractor 3-point hitch between work sites.

- ✔ Ensure that the implement is lifted to a suitable height to clear any obstacles.
- ✔ Adjust stabilisers on the tractor hitch to prevent excessive lateral sway and possible contact with the tractor tyres.

gespesifiseerde kragaftakkerasinsetspoed bedryf word.

- ⚠ Moenie die draaiende kragaftakkeras nader nie en verhoed verstrengeling deur lospassende klere te vermy.
- ⊖ Versuim om die implement teen die gespesifiseerde kragaftakkerasinsetspoed te bedryf kan onveilige bedryfstoestand skep, en ook strukturele en meganiese onklaarraking veroorsaak wat nie deur die waarborg gedek word nie.

Die snyproses

Die volgende prosedure word aanbeveel om die snyproses te begin en moet in die algemeen gevolg word elke keer wanneer die kragaftakker gebruik word.

- ✔ Skakel die trekkerenjin aan met die implement wat aan die 3-punt-haak hang of anders (in die geval van die F60-300T gesleepte model) op die maksimum beskikbare hoogte.
- ✔ Laat die implement sak sodat dit net bo die grond is en kry die kragaftakker op luierspoed.
- ✔ Stel die versneller om teen die gespesifiseerde kragaftakkerinsetspoed te loop en laat sak die implement na die werksposisie.
- ✔ Sit die trekker in 'n lae rat en begin sny.
- ⊖ Behalwe as anders aangedui, is die gespesifiseerde implement se kragaftakkerinsetspoed 540 r/min.
- ⊖ By trekkers met 'n "ekonomie"-kragaftakker-dryfopsie (aangedui as 540E op die trekker se toereter) verwys na die trekkerbestuurder se handleiding vir die kies van die tersaaklike kragaftakkerinsetspoed om die gespesifiseerde implement se kragaftakkerinsetspoed te handhaaf.

Beheer van die snyproses.

- ✔ Die trekker se vorentoe spoed moet deur ratseleksie en NIE enjinspoed beheer word nie.
- ✔ Trekkerenjinspoed moet vooraf gestel word om die vereiste kragaftakkerasinsetspoed konstant te hou, terwyl vorentoe spoed deur gepaste ratseleksie beheer moet word.
- ✔ Wanneer daar gedraai of by die wenakker omgedraai word en dit nodig is om die trekker se spoed te verminder, ontkoppel die kragaftakker en herkoppel dit voor die volgende omgaanslag.

Vervoer en berging

➤ F60-300 semigesleepte model

Die implement kan tussen werksterreine aan die trekker se 3-punt-haak vervoer te word.

- ✔ Verseker dat die implement hoog genoeg gelig is om tydens vervoer bo-oor enige hindernisse te kan beweeg.
- ✔ Verstel stabiliseerders aan die trekkerhaak om oormatige laterale beweging en moontlike kontak met die trekker se bande te verhoed.

- ✔ Maintain a speed low enough to prevent excessive bouncing and resultant damage to mounting points and other load-bearing components.

➤ F60-300T trailed model

The implement is intended to be trailed between worksites.

- ✔ The implement is equipped with a transport lock which must be applied prior to transportation.
- ✔ Ensure that the implement is set to its highest position prior to application of the transport lock.
- ✔ The recommended transport speed of 15 km/h must not be exceeded and in general, a speed should be maintained which prevents excessive bouncing and resultant damage to the towing hitch, mounting points, suspension and other load-bearing components.

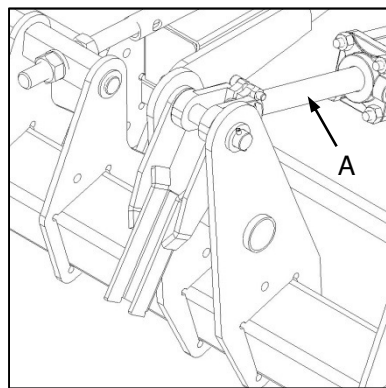


Fig. 1

Applying and removing the main transport lock.

- ✔ The main transport lock may only be engaged if the main hydraulic cylinder is fully extended, indicating that the implement is at its maximum height (Fig. 1-A).
- ✔ Engage the transport lock (Fig. 2-A).
- ✔ Lower the implement such that the transport lock settles against the hydraulic cylinder body.

- ⊖ Note that failure to apply the transport locks during transportation or to observe an appropriate travelling speed may result in damages and failures not covered under warranty.

In the event that the implement is to be stored for periods in excess of a month, it is recommended that the implement body be firmly supported on blocks or automotive axle stands to prevent unnecessary, extended loading of the suspension system.

The parking jack should not be used during long-term storage. Instead, provide stable alternative support under the implement hitch.

- ✔ Handhaaf 'n spoed wat laag genoeg is om oormatige bonsing en gevolglike skade aan monteerpunte en ander ladingdraende komponente te verhoed.

➤ F60-300T gesleepte model

Die implement is ontwerp om tussen werksterreine gesleep te word.

- ✔ Die implement is toegerus met 'n vervoerslot wat voor vervoer in die sluitposisie moet wees.
- ✔ Verseker dat die implement in die hoogste posisie is voor die vervoerslot gesluit word.
- ✔ Die aanbevole vervoersnelheid van 15 km/h moet nie oorskry word nie, en in die algemeen moet 'n snelheid gehandhaaf word wat oormatige bonsing en gevolglike skade aan die sleephaak, monteerpunte, vering en ander ladingdraende komponente te verhoed.

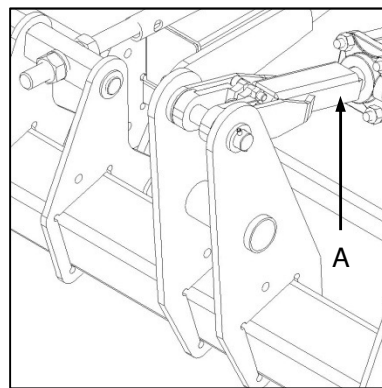


Fig. 2

Sluit en verwydering van die hoofvervoerslot

- ✔ Die hoofvervoerslot kan gesluit word slegs as die hoofhidrouliese silinder op volle lengte is - wat aandui dat die implement op sy maksimum hoogte is (Fig. 1-A).
- ✔ Sluit die vervoerslot (Fig. 2-A).
- ✔ Laat die implement sak totdat die vervoerslot teenaan die omhulsel van die hidrouliese silinder is.

- ⊖ Let daarop dat versuim om die vervoerslotte tydens vervoer te sluit of 'n gepaste ryspoed te handhaaf, tot skade en onklaarraking mag lei wat nie deur die waarborg gedek word nie.

Indien die implement vir langer as 'n maand gestoor gaan word, word aanbeveel dat dit stewig op blokke of asblokke geplaas word om onnodige, langdurige las op die veringstelsel te verhoed.

Die parkeerdomkrag moet nie tydens langtermynberging gebruik word nie. Voorsien eerder stabiele alternatiewe steun onder die haak van die implement.

MAINTENANCE

Routine maintenance

- ⚠ Do not perform maintenance or any other work on the implement unless the tractor engine is shut off, handbrake applied and the key removed from the ignition.
- ⚠ Do not perform maintenance or any other work on the implement while it is suspended only on the tractor 3-point hitch, or without suitable additional support for the implement.
- ⚠ Use only original and approved Falcon replacement parts and lubricants. Refer to the parts information provided in this manual.

Maintenance should be carried out before and after each use and in accordance with the schedules provided in this chapter.

- ⊖ Bolted connections should be checked for tightness with reference to Bolt Torque Specifications (Tab. 1).

> Before each use

To be carried out at least daily in periods of continuous use. Otherwise before each occasion that the implement is put to use. Extra care and attention should be given to implements which may have been unused for prolonged periods (longer than 1 month).

- ✔ Check gearbox oil levels and replenish as necessary.
- ✔ Lubricate PTO shaft UV joints and telescopic tubes and inspect for evidence of wear.
- ✔ Confirm proper operation of PTO friction clutch as described elsewhere in this chapter.
- ✔ Check all fasteners for tightness. This includes special attention safety-critical fasteners such as blade bolts and nuts (Fig. 1-A/B), cutting gear mounting bolts (Fig. 1-C), gearbox mounting bolts (Fig. 2-A) and all wheel assembly fasteners and pivot points (Fig. 3-A/B/C).
- ✔ Inspect blades for indications of wear and sharpen or replace as necessary. Where sharpening is carried out, ensure that blades are of similar shape and mass to prevent imbalance.
- ✔ Ensure that all guards, shields and other safety devices are in place, properly secured and in good condition.
- ✔ Inspect all mounting pins, chains, shackles and other load-bearing components for signs of wear. Check that all secondary securing mechanisms such as lynchpins, split-pins and clips are in place.
- ✔ Run the implement up to operating speed and conduct visual and audible checks for excessive vibration and noise.

- ⊖ Causes of excessive vibration and noise must be identified and eliminated immediately to prevent consequential structural or mechanical failure not covered under warranty.

INSTANDHOUDING

Roetine-instandhouding

- ⚠ Moenie instandhouding- of enige ander werk aan die implement doen tensy die trekkerenjin afgeskakel, die handrem opgetrek en die sleutel uit die aansitterpunt verwyder is nie.
- ⚠ Moenie instandhouding- of enige ander werk aan die implement doen terwyl dit net aan die trekker se 3-punt-haak hang, of sonder geskikte ekstra stutte vir die implement nie.
- ⚠ Gebruik slegs oorspronklike en goedgekeurde Falcon-vervangingsonderdele en smeermiddels. Verwys na die onderdele-inligting in hierdie handleiding.

Instandhouding moet telkens voor en na gebruik gedoen word, en in ooreenstemming met die skedules wat in hierdie hoofstuk vervat is.

- ⊖ Verseker dat koppelboute in ooreenstemming met die boutwringkragspesifikasiekaart vas is (Tab. 1).

> Voor elke gebruik

Word ten minste daaglik in tye van deurlopende gebruik uitgevoer. Anders voor elke geleentheid waar die implement gebruik word. Gee ekstra sorg en aandag aan implemente wat vir lang tydperke (meer as 'n maand) nie gebruik is nie.

- ✔ Gaan ratkasolievlakke na en vul aan soos benodig.
- ✔ Ghries kragaftakkeras-kruiskoppings en teleskopiese buise en inspekteer vir tekens van slytasie.
- ✔ Bevestig behoorlike werking van die kragaftakkeras-wrywingkoppelaar soos elders in dié hoofstuk beskryf.
- ✔ Verseker dat alle hegstukke vas is. Dit sluit in spesiale aandag aan veiligheidskritieke hegstukke soos lemboute en -moere (Fig. 1-A/B), sny Meganisme-monteer-boute (Fig. 1-C), ratkasmonterboute (Fig. 2-A) en alle wielmonteringhegstukke en spilpunte (Fig. 3-A/B/C).
- ✔ Inspekteer lemme vir tekens van slytasie en slyp of vervang indien nodig. Wanneer met die hand geslyp word, verseker dat die skerp gemaakte lemme eenders lyk en dieselfde weeg om ongebalanseerde rotasie te voorkom.
- ✔ Verseker dat alle skutplate en ander veiligheidstoestelle in posisie is, behoorlik vas en in 'n goeie toestand is.
- ✔ Gaan alle monterpenne, kettings, penskakels en ander lasdraende komponente na vir tekens van slytasie. Verseker dat alle sekondêre hegmeganismes soos lunspenne, splitpenne en knippe in posisie is.
- ✔ Versnel die implement tot werkspoed en voer visuele en gehoorinspeksies uit vir oormatige vibrasie en geraas.

- ⊖ Oorsake van oormatige vibrasie en geraas moet geïdentifiseer en onmiddellik uitgeskakel word om gevolglike strukturele of meganiese onklaarraking te verhoed wat nie deur die waarborg gedek word nie.

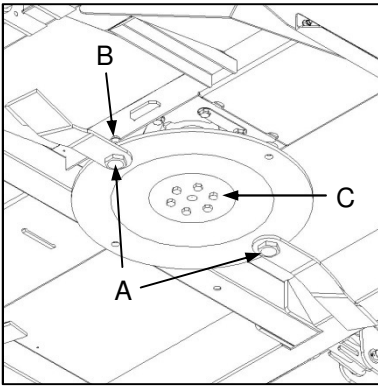


Fig. 1

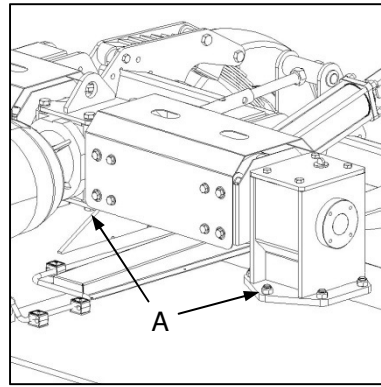


Fig. 2

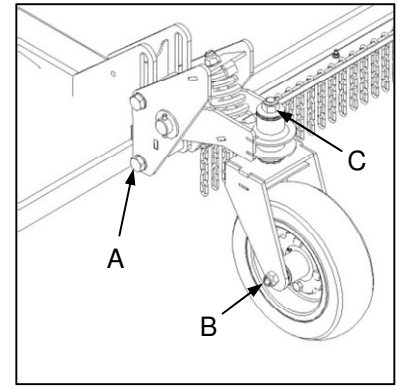


Fig. 3

➤ After each use

To be carried out at least every 40 hours in periods of continuous use. Otherwise after each occasion that the implement is put to use, or before long-term storage (longer than 1 month).

- ✔ Clean all debris from the implement, particularly the underside of the deck. Where pressurised cleaning is undertaken, care must be taken in areas around seals, breathers, lubrication points and PTO driveshaft components.
- ✔ Thoroughly inspect the implement for any damages incurred during use and note these for attention prior to next use.
- ✔ Ensure that all safety and warning decals are in place and in a legible condition.
- ✔ Before long-term storage (longer than 1 month), check oil levels and thoroughly lubricate all specified lubrication points.
- ✔ Store the implement in a clean, dry, weather-protected area.

PTO friction clutch inspection and adjustment

- ⚠ The PTO friction clutch installed on this product is a torque-limiting device. It is an integral part of the PTO driveshaft assembly and is intended to protect both the implement and tractor PTO drivelines and transmission.
- ⚠ Improper operation, maintenance or adjustment of the PTO friction clutch may result in damage not covered under warranty.
- ⚠ The instructions which follow refer only to parts fitted by Falcon as original equipment, as reflected in the parts lists provided elsewhere in this manual.

Proper operation of the PTO driveshaft friction clutch must be confirmed prior to use of the implement, especially after long-term storage where corrosion and lack of use may result in binding or seizure of the friction clutch mechanism.

- ✔ Release the pre-load on the friction clutch plates by loosening the nuts (Fig. 4-A) until the compression

➤ Na elke gebruik

Word ten minste elke 40 uur in tye van deurlopende gebruik uitgevoer. Anders na elke geleentheid wat die implement gebruik is, of voor langtermynberging (langer as 1 maand).

- ✔ Verwyder alle vuiligheid van die implement, veral onder die dek. Drukspuitskoonmaak moet versigtig gedoen word, veral naby seëls, luggate, ghriespunte en kragtakkeras-komponente.
- ✔ Inspekteer die implement deeglik vir enige beskadiging tydens gebruik. Merk dit aan vir aandag en herstel voor dit weer gebruik word.
- ✔ Verseker dat alle veiligheids- en waarskuwingsplakkers in posisie, sigbaar en leesbaar is.
- ✔ Voor langtermynberging moet olielakke in die implement nagegaan en alle ghriespunte deeglik gesmeer word.
- ✔ Stoor die implement in 'n droë, skoon, weerbestande plek.

Kragtakkeraswrywingkoppelaar inspeksie en verstelling

- ⚠ Die wrywingkoppelaar aan hierdie produk is 'n wrywingbeperkende toestel. Dit is 'n integrale deel van die kragtakkeras en is ontwerp om die implement sowel as die trekker se kragtakkeras-dryfstelle en -transmissie te beskerm.
- ⚠ Onbehoorlike bedryf, instandhouding of verstelling van die kragtakkeras se wrywingkoppelaar kan tot skade lei wat nie deur die waarborg gedek word nie.
- ⚠ In die instruksies wat volg is onderdele waarna verwys word, streng oorspronklike Falcon-onderdele, soos weerspieël in die onderdeellyste wat elders in hierdie handleiding verskyn.

Behoorlike bedryf van die kragtakkeraswrywingkoppelaar moet bevestig word voor gebruik van die implement, veral na langtermynberging waar roes en onbruik na binding of vasbranding van die wrywingkoppelaarmeganisme kan lei.

- ✔ Ontspan die voorlas op die wrywingkoppelaarplate deur die moere los te draai (Fig. 4-A) totdat die drukveer net

spring is just free to rotate by hand. Do not remove the nuts completely.

- ✔ Apply power to the PTO shaft and confirm that the centre hub rotates freely within the friction plate housing.
- ✔ If the friction clutch assembly is seized it will require rebuilding. This should be carried out using only original replacement parts.

The PTO friction clutch should also be regularly inspected for the following evidence of excessive slipping - typically an indication of transmission overload.

- ✔ Evidence of smoke, burning odours or residues.
- ✔ Discoloration or blistering of painted surfaces of the friction clutch housing (Fig. 5-B).
- ✔ The friction clutch housing feels significantly hotter than the surface of the gearbox casing (Fig. 5-A).

- ⊖ If the friction clutch assembly shows signs of excessive slipping it will require rebuilding. This should be carried out using only original replacement parts and with reference to the parts information provided in this manual.

The friction disks within the friction clutch housing should be regularly inspected for wear. This is determined by measuring the thickness of the friction disk.

- ⊖ All models: Friction clutch Cat T60 F42 by Comer Industries; Minimum friction plate thickness = 2.0 mm

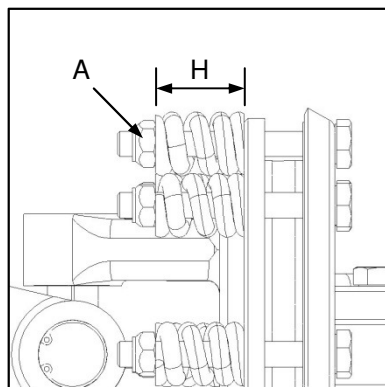


Fig. 4

Following any maintenance or repair of the PTO friction clutch assembly the pre-load on the friction clutch plates must be adjusted to factory specifications. This is accomplished by adjusting the nuts (Fig. 4-A) to set the compressed spring length (Fig. 4-H).

- ⊖ All models: Friction clutch Cat T60 F42 by Comer Industries; H = 31.2 mm

vry genoeg is om met die hand te draai. Moet die moere nie heeltemal verwyder nie.

- ✔ Kry die kragtakkeras met krag aan die draai en bevestig dat die middelnaaf vrylik binne die wrywingplaatomhulsel draai.
- ✔ As die wrywingkoppelaarmontering vasgebrand is, sal dit herbou moet word deur slegs gebruik te maak van oorspronklike vervangingsonderdele.

Die kragtakkeraswrywingkoppelaar moet ook gereeld vir die volgende tekens van oormatige gly nagegaan word – tipies 'n teken van transmissie-ooreising.

- ✔ Tekens van rook, brandreuke of oorblyfsels.
- ✔ Verkleuring of blaasvorming van geverfde oppervlakke van die wrywingkoppelaarmhulsel (Fig. 5-B).
- ✔ Die wrywingkoppelaarmhulsel voel beduidend warmer as die ratkasomhulsel (Fig. 5-A).

- ⊖ As die wrywingkoppelaarmontering tekens van oormatige gly toon, moet dit herbou word, en dan slegs met oorspronklike vervangingsonderdele en met verwysing na die onderdeelinligting wat in hierdie handleiding voorsien word.

Die wrywingskywe in die wrywingkoppelaarmhulsel moet gereeld nagegaan word vir slytasie, wat vasgestel word deur die dikte van die wrywingskyf te meet.

- ⊖ Alle modelle: Wrywingkoppelaar Cat T60 F42 deur Comer Industries; minimum plaatdikte = 2.0 mm

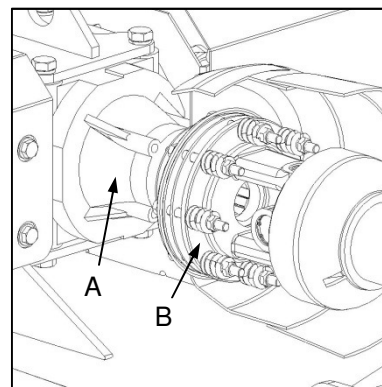


Fig. 5

Na instandhouding of herstel van die kragtakkeraswrywingkoppelaarmontering moet die voorlas op die koppelaarplate volgens fabriekspesifikasies verstel word. Dit word gedoen deur verstelling van die moere (Fig. 4-A) om die saamgeperste veer se lengte te stel (Fig. 4-H).

- ⊖ Alle modelle: Wrywingkoppelaar Cat T60 F42 deur Comer Industries; H = 31.2 mm

Intermediate shaft maintenance and blade timing

Intermediate shafts should be regularly inspected for signs of wear. These shaft assemblies feature rubber diaphragm couplings with the purpose of providing added protection for the implement drivetrain from impulse torque loads.

- ✔ Inspect the rubber diaphragm couplings and replace any diaphragms (Fig. 6-A) which display evidence of distortion, splitting or cracking.

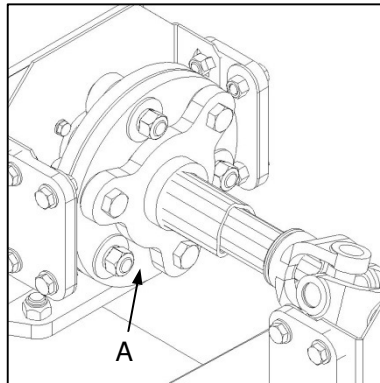


Fig. 6

The cutting gear assemblies on this implement are mechanically timed to prevent contact between blades in the region of overlap. Following any maintenance or disassembly of the intermediate drivetrain, blade timing needs to be re-established.

- ✔ Fully assemble one half (eg. left-hand side) of the implement drivetrain and place the blades of that cutting gear assembly in a 0°-180° position (Fig. 8-A).
- ✔ With the right-hand side intermediate shaft disconnected from the centre gearbox, slowly rotate the right-hand cutting gear assembly, pausing on each occasion that the blades are in an approximate 90°-270° orientation (Fig. 8-B).
- ✔ Couple the right-hand intermediate shaft to the centre gearbox on the first occasion that the splines are aligned and the right-hand cutting gear blades are within $\pm 15^\circ$ of the required position (Fig. 7).
- ✔ Rotate the fully assembled implement drivetrain a number of times by hand to ensure proper blade timing before applying PTO power to the implement.

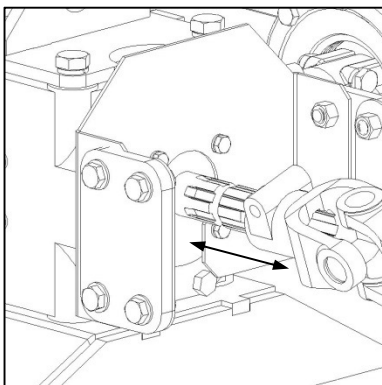


Fig. 7

Tussenas-instandhouding en lemtydreëling

Tussenaste moet gereeld vir tekenen van slytasie nagegaan word. Hierdie asmonterings het rubberdiafragmakoppelings om bykomende beskerming vir die implement se dryfstel teen impuls-wringkragladings te bied.

- ✔ Gaan die rubberdiafragmakoppelings na en vervang enige diafragmas (Fig. 6-A) wat tekenen van verwringing, skeure of krake toon.

Die tydreëling van snymeganismemonterings aan hierdie implement is meganies gestel om kontak tussen lemme in die omgewing van oorvleueling te verhoed. Na enige instandhouding of uitmekaarhaal van die tussenasstel moet lemtydreëling herstel word.

- ✔ Monteer een helfte (bv. die linkerkant) van die asstel volledig en plaas die lemme van daardie snymeganismemontering in 'n 0°-180°-posisie (Fig. 8-A).
- ✔ Met die regterkantste tussenas ontkoppel van die sentrale ratkas, draai die regterkantste snymeganismemontering stadig en stop elke keer wanneer die lemme in ongeveer 'n 90°-270°-oriëntasie is (Fig. 8-B).
- ✔ Koppel die regterkantste tussenas aan die sentrale ratkas die eerste keer wanneer die ribbe belyn is en die regterkantste snymeganislemme binne $\pm 15^\circ$ van die vereiste posisie is (Fig. 7).
- ✔ Draai die volledig-gemonteerde dryfstel 'n paar keer met die hand om behoorlike lemtydreëling te verseker voordat kragaftakkeras-krag aangewend word.

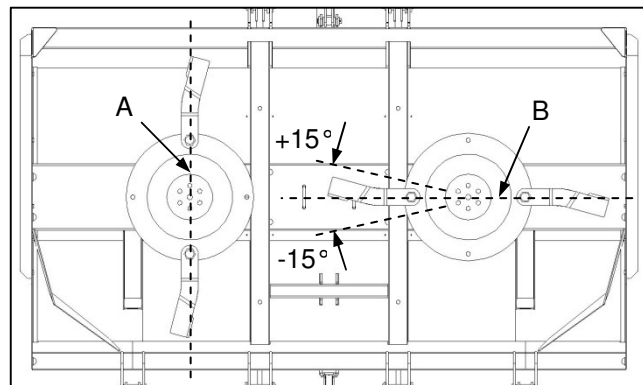


Fig. 8

Blade replacement

- ⚠ The cutting gear installed on these implements rotates at extremely high speed. Improper maintenance or repairs can result in failures which might cause serious damage, injury or death.
- ⚠ Use only original Falcon parts of the correct specification and grade for installation of the implement cutting gear. High-speed failure of rotating parts can result in serious damage, injury or death.

Blades should be replaced if they become damaged, bent, broken or have been reduced in mass by more than 20% as a result of wear.

- ✔ Replace all mounting hardware when fitting new blades. This includes blade bolts, bushes and nuts.
- ✔ Check blade mounting holes (Fig. 9-A) for signs of wear, elongation or fractures. (Note that an alternate, opposing set of blade mounting holes is available on each disk if required). In the event of any observed defect do NOT attempt a repair, but provide immediate replacement of the defective disk.
- ✔ Check the blade disk for distortion prior to installation of new blades. Run the implement at a low speed without the blades attached and check for visible run-out (both radially and vertically) at the perimeter of the disk. In the event of any observed defect do NOT attempt a repair, but provide immediate replacement of the defective disk.
- ✔ Weigh blades before installation. Blades of nearest equivalent masses should be installed in opposing positions on the same cutting gear assembly to maintain balance (Fig. 10).
- ✔ Following any maintenance or replacement of cutting gear components, run the implement up to operating speed and conduct visual checks for excessive vibration.

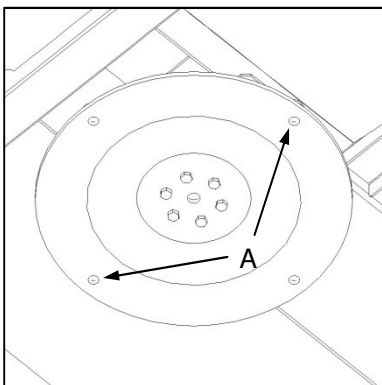


Fig. 9

- ⊖ Causes of excessive vibration must be identified and eliminated immediately to prevent consequential structural or mechanical failure not covered under warranty.

Lemvervanging

- ⚠ Die snymeganisme aan hierdie implemente draai teen 'n uiters hoë spoed. Gebrekkige instandhouding of herstelwerk kan tot brekasies lei wat ernstige skade, beserings en selfs dood kan veroorsaak.
- ⚠ Gebruik slegs oorspronklike Falcon-onderdele met die korrekte spesifikasie en graad vir die installering van die snymeganisme. Hoëspoedbrekasie van draaiende onderdele kan ernstige skade, beserings of dood veroorsaak.

Lemme moet vervang word as hulle beskadig word, of buig of breek, of as hulle weens slytasie meer as 20% ligter geword het.

- ✔ Vervang al die betrokke monteringsonderdele wanneer nuwe lemme aangebring word. Dit moet lemboute, -busse en -moere insluit.
- ✔ Gaan lemmonteringsgate (Fig. 9-A) na vir tekens van slytasie, rekking of breuke. (Let op dat 'n alternatiewe teenoorliggende stel lemmonteringsgate op elke skyf beskikbaar is indien benodig.) In die geval van enige waargenome defek, moet NIE probeer om dit herstel nie, maar vervang die defekte skyf onmiddellik.
- ✔ Gaan die lemskyf na vir verwringing voordat nuwe lemme aangebring word. Laat die implement sonder die lemme teen 'n lae spoed loop en kyk of daar enige sigbare waggeling (sowel radiaal as vertikaal) by die omtrek van die skyf is. In die geval van enige waargenome defek, moet dit NIE probeer herstel nie, maar vervang die defekte skyf onmiddellik.
- ✔ Weeg lemme voor hulle aangebring word. Lemme met die naaste eenderse massas moet teenoor mekaar op dieselfde snymeganismemontering aangebring word om balans te handhaaf (Fig. 10).
- ✔ Na installering van nuwe snymeganisme-onderdele, kry die implement op werkspoed vir 'n visuele inspeksie vir oormatige vibrasie.

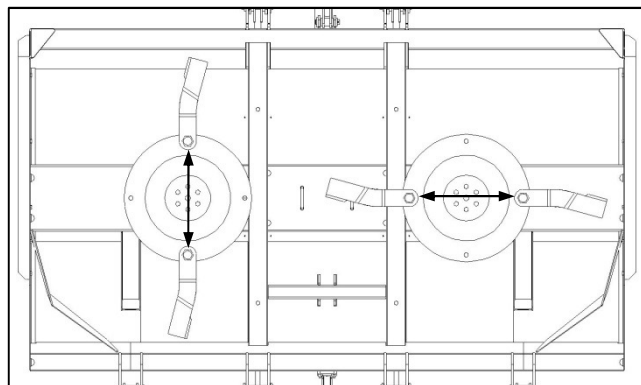


Fig. 10

- ⊖ Oorsake van oormatige vibrasie moet vasgestel en onmiddellik uitgeskakel word om gevolglike strukturele of meganiese skade wat nie deur die waarborg gedek word nie, te verhoed.

Tab. 1

Bolt Torque Specifications (N.m) / Boutwringkragspesifikasies (N.m)

Class/Klas Lubrication/ Besmeering	4.6		8.8		10.9		12.9	
	Wet/Nat	Dry/Droog	Wet/Nat	Dry/Droog	Wet/Nat	Dry/Droog	Wet/Nat	Dry/Droog
M6	4.8	6.0	9.0	11.0	13.0	17.0	15.0	19.0
M8	12.0	15.0	22.0	28.0	32.0	40.0	37.0	47.0
M10	23.0	29.0	43.0	55.0	63.0	80.0	75.0	95.0
M12	40.0	50.0	75.0	95.0	110.0	140.0	130.0	165.0
M14	63.0	80.0	120.0	150.0	175.0	225.0	205.0	260.0
M16	100.0	125.0	190.0	240.0	275.0	350.0	320.0	400.0
M18	135.0	175.0	260.0	330.0	375.0	475.0	440.0	560.0
M20	190.0	240.0	375.0	475.0	530.0	675.0	625.0	800.0
M22	260.0	330.0	510.0	650.0	725.0	925.0	850.0	1075.0
M24	330.0	425.0	650.0	825.0	925.0	1150.0	1075.0	1350.0
M27	490.0	625.0	950.0	1200.0	1350.0	1700.0	1600.0	2000.0
M30	675.0	850.0	1300.0	1650.0	1850.0	2300.0	2150.0	2700.0
M33	800.0	1150.0	1750.0	2200.0	2500.0	3150.0	2900.0	3700.0
M36	1150.0	1450.0	2250.0	2850.0	3200.0	4050.0	3750.0	4750.0

TROUBLESHOOTING

FOUTOPSPORING

General troubleshooting

The table below (Troubleshooting Guide - ENG) offers guidance in remedying commonly encountered problems. If a remedy is not possible, further assistance should be sought from an authorised Falcon dealer.

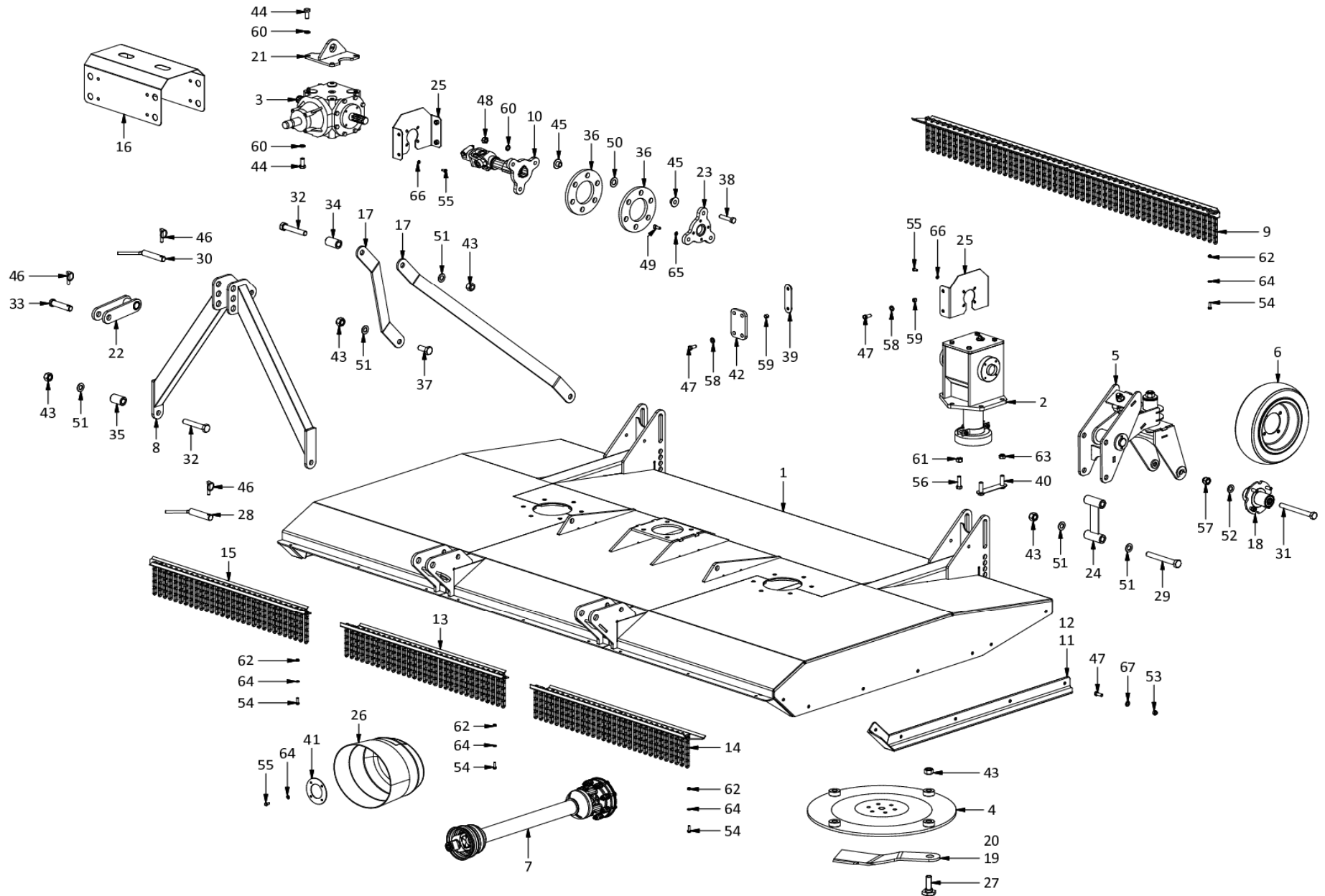
Algemene foutopsporing

Die tafel onder (Foutopsporingsgids - AFR) bied riglyne vir die oplos van probleme wat algemeen voorkom. As 'n fout nie reggestel kan word nie, moet verdere hulp van 'n gemagtigde Falcon-handelaar bekom word.

Troubleshooting Guide – ENG		
Observation	Probable cause	Available remedy
Uneven cut	Implement not level Worn, damaged or bent blades	Adjust operating height Sharpen/replace blades
Poor material distribution	Material build-up under deck Implement not level Worn blades Wet/damp material	Clean Adjust operating heights Sharpen/replace blades Await suitable conditions
Mechanical noise	Loose components Low gearbox oil level	Check all fasteners for tightness Check and adjust oil levels
Rapid blade wear	Blade contact with ground Incorrect PTO speed Incorrect forward speed	Adjust operating height Maintain specified PTO speed Adjust forward speed
Poor cut quality	Excessive forward speed Defective friction clutch Worn blades	Adjust forward speed Maintain/adjust as necessary Sharpen/replace blades
Excessive vibration	Damaged/worn cutting gear Damaged/worn PTO driveshaft	Replace damaged/worn parts Replace damaged/worn parts

Foutopsporingsgids - AFR		
Waarneming	Waarskynlike oorsaak	Beskikbare regstelling
Oneweredige snit	Implement nie gelyk nie Geslyte, beskadigde of gebuigde lemme	Verstel snyhoogte Slyp/vervang lemme
Swak materiaalverspreiding	Materiaal-opbou onder dek Implement nie gelyk nie Geslyte lemme Nat/klam materiaal	Maak skoon Verstel werkshoogtes Slyp/vervang lemme Wag vir geskikte toestande
Meganiese geraas	Los komponente Ratkasolievlak laag	Maak seker alle boutte ens. is vas Maak seker olievlakke is reg
Vinnige lemslytasie	Lemkontak met grond Verkeerde kragaftakkeras-spoed Verkeerde vorentoe-spoed	Verstel snyhoogte Hou by korrekte kragaftakkeras-spoed Verstel vorentoe-spoed
Swak snitgehalte	Te hoë vorentoe-spoed Defekte wrywingkoppelaar Geslyte lemme	Verstel vorentoe-spoed Herstel/verstel soos nodig Slyp/vervang lemme
Uitermatige vibrasie	Beskadigde/geslyte snymeganisme Beskadigde kragaftakkeras	Vervang beskadigde/geslyte onderdele Vervang beskadigde/geslyte onderdele

F60-300 Slasher A0095



**F60-300 Slasher
A0095**

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	H5901	Deck Painted 3000	1	41	M5364	Backing plate M8-D95	1
2	H2620	Gearbox F60VF	2	42	M5341	Damper rubber	8
3	T279A-927901600	Gearbox T279A	1	43	M62222	Nut Nyloc M22	13
4	H5321	Disk 4-M22 D595.25	2	44	M41635	Bolt M16x35HT	8
5	H5278	Linkage Wheel	2	45	H5328	Bush Stepped 17x45x19.5	24
6	M3767	Wheel Laminated 4x8x15	2	46	FLP11	Lynchpin 11mm	4
7	T801010N112F42	PTO shaft T80 1010 112 F42	1	47	M41230	Bolt M12x30HT	42
8	H5300	Top mast	1	48	M31612	Nut M16	12
9	H5310	Chain curtain Rear	1	49	M3945	Cap screw M10x25	8
10	H5346	Shaft Intermed	2	50	M5350	Washer 24.5x45x3	12
11	H5907	Side protector Left	1	51	M82203	Washer 22x40x3	13
12	H5908	Side protector Right	1	52	M82001	Washer Flat M20	2
13	H5313	Chain curtain Centre	1	53	M61209	Nut Nyloc M12	10
14	H5316	Chain curtain Left	1	54	M40825	Bolt M8x25HT	14
15	H5319	Chain curtain Right	1	55	M40815	Bolt M8x16HT	20
16	M5905	Cover Intermed shaft	2	56	M41450	BoltM14x50HT	12
17	H5304	Mast Stay	2	57	N20200201	Nut NylocM20	2
18	H3880	Hub Assy 4-M20@D5in	2	58	M5342	Washer 13x24x3.0 Galv	32
19	H1822	Blade Banana 10x90x(510)-32.5	2	59	H5345	Bush 12.5x15.8x11	32
20	H1821	Blade Banana 10x90x(510)-32.5 RH	2	60	M91604	Washer Spring M16	20
21	H5307	Lifting bracket	1	61	M31410	Nut M14	12
22	H5325	Break link	1	62	M60809	Nut Nyloc M8	14
23	H5347	Profile	2	63	M61616F	Nut Nyloc M16F	12
24	H5361	Spacer Wheel adjuster	2	64	M80803	Washer Flat M8	18
25	H5906	Bracket	4	65	M91002	Washer Spring M10	8
26	M5360	PTO counter cone	1	66	M90813	Washer Spring M8	16
27	M52275	Blade bolt M22-10.9 Special	4	67	M81202	Washer Flat M12	10
28	H7115	Pin Btm link Cat2-125	2	68	M3116	Decal WARRANTY 2+2 WAARBORG.....	1
29	M422180	Bolt M22x180HT	4	69	M3176	Decal Bird Falcon Meduim	2
30	H0634	Pin Top link Cat2-125	1	70	M3003	Serial plate	1
31	M420200	Bolt M20x200	2	71	M3171	Decal Baie Belangrik Alvorens U Die	1
32	M422130	Bolt M22x130HT	3	72	M3170	Decal VERY IMPORTANT BEFORE USING.....	1
33	H0632	Pin Top link Cat2	1	73	M3168	Decal Bird FALCON Large	1
34	H5303	Bush 23x40x67	1	74	M3172	Decal DANGER STAY AWAY - ROTATING.....	2
35	H5359	Bush 23x40x64	2	75	M3173	Decal Lifting hook	1
36	M5351	Diaphram M16-PCD165	4	76	M3175	Decal PROUD TO BE SOUTH AFRICAN	1
37	M42250	Bolt M22x50HT	2	77	M3355	Decal F60/300 Slasher	1
38	M41675	Bolt M16x75HT	12	78	M3187	Decal ATTENTION If your tractor is	1
39	H5343	Nut set M12-2	8				
40	H2614	Ganged bolts M16Fx50	6				

A0095 Wheel linkage & Hub H5278 & H3880

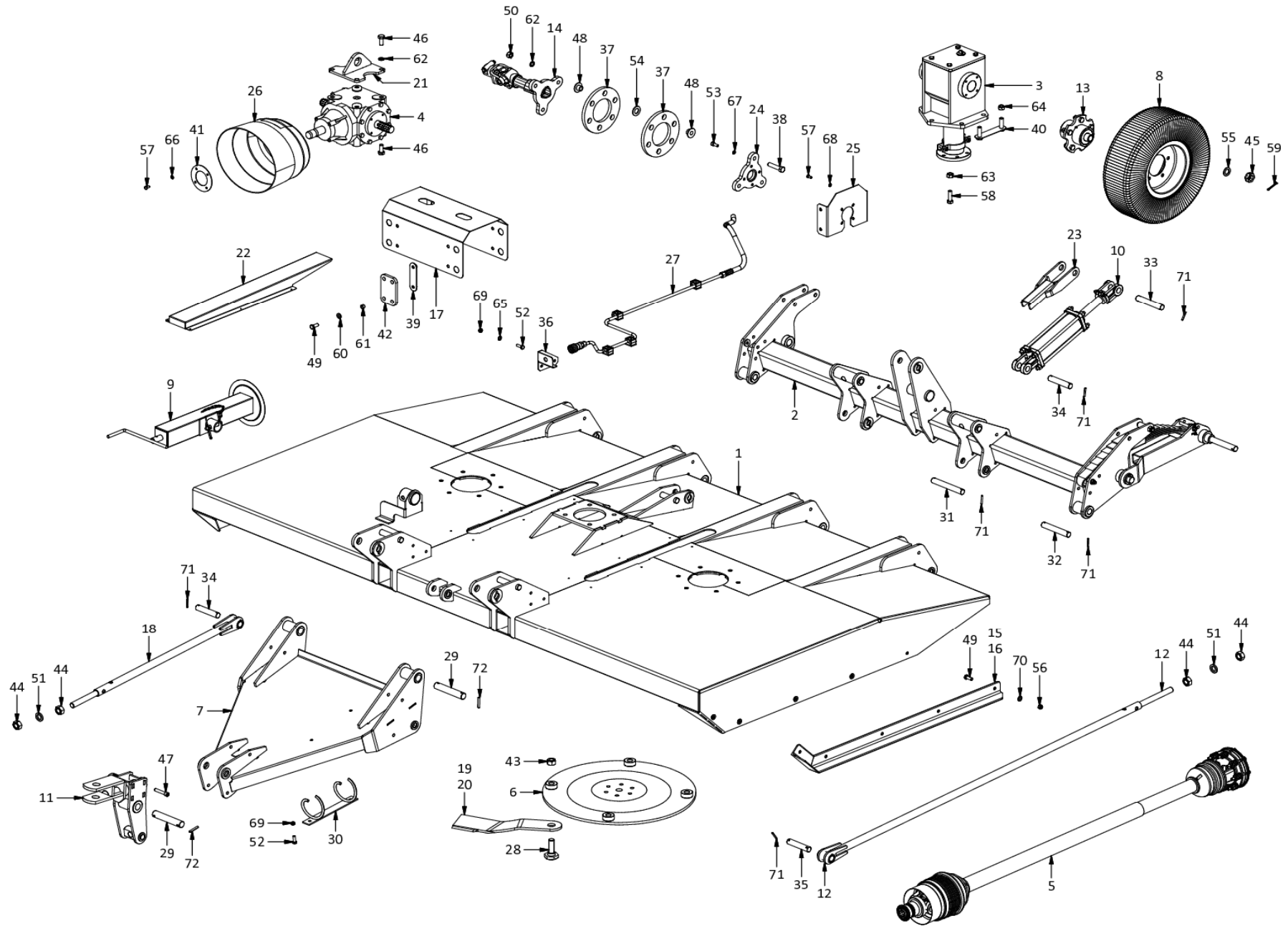
	Item	Part No.	Description	Qty
	1	H5279	Mounting bracket	1
	2	H5285	Swingarm Casting	1
	3	H5292	Wheel fork	1
	4	M5324	Spring 16x80x150-5AC	1
	5	H5299	Pin D40x189	1
	6	M420200	Bolt M20x200	1
	7	H5291	Bush 40.3x50x50	4
	8	M62222	Nut Nyloc M22	1
	9	H5323	Washer 40.5 x 65x10.0	2
	10	M5298	Washer 23x65x3.0	1
	11	M82001	Washer Flat M20	1
	12	N20200201	Nut Nyloc M20	1
	13	M3789	Sellock Pin D10x60	2
	14	H3881	Hub M20	1
	15	H3883	Bush 20.5x30x92mm	1
	16	H3888	Bush 20.5x30x9mm	2
	17	M0133	Bearing 6304 RS	2
	18	M3889	Seal 30x52x8mm	2
	19	M31310	Nut 1/2" UNF	4
	20	M91213	Washer Spring M12	4

Gearbox F60VF H2620

	Item	Part No.	Description	Qty
	1	H2632	Housing Extended F60V	1
	2	H2612	Shaft Output Extended	1
	3	H2631	Shaft Input F60VF/VX	1
	4	H2609	Gear Bevel Z27/z10	1
	5	H2608	Gear Bevel Z20/z6	1
	6	H1323	Dust cover	1
	7	M2624	Cover	1
	8	M1333	Bearing Tapered roller 32009	2
	9	M1371	Bearing Deep groove 6205	1
	10	H1378	Retainer Domed	1
	11	H2633	Washer 35x52x5	1
	12	M41045	Bolt M10x45HT	2
	13	M41025	Bolt M10x25HT	4
	14	M1332	Bearing Tapered roller 32008	1
	15	M1326	Seal Felt	1
	16	M1334	Plug + Dipstick	1
	17	M1375	Circlip Internal INT0750	1
	18	M1374	Circlip Internal INT0680	1
	19	M31007	Nut M10	2
	20	M1319	Nut Slotted 1 UNF	1
	21	M1369	Plug Welsh type 52x10	1
	22	M1343	Washer 40x26x2	1
	23	M1361	Seal Radial lip 68x40x8	1
	24	M2617	Gasket F60	1
	25	M2634	Locking nut KM7	1
	26	M1416	Split pin B5x60	1
	27	M1366	Seal Radial lip 75x55x8	2
	28	M1372	Circlip Internal INT0520	1
	29	M1365	Load washer Wave type EPL50	1
	30	M1364	Load washer Wave type EPL44	1
	31	M2635	MB(L) locking washers-Bearing accessories	1
	32	M1368	Seal protector	1
	33	M3231	Gear oil Renolin CLP1000	A/R

A/R = As required

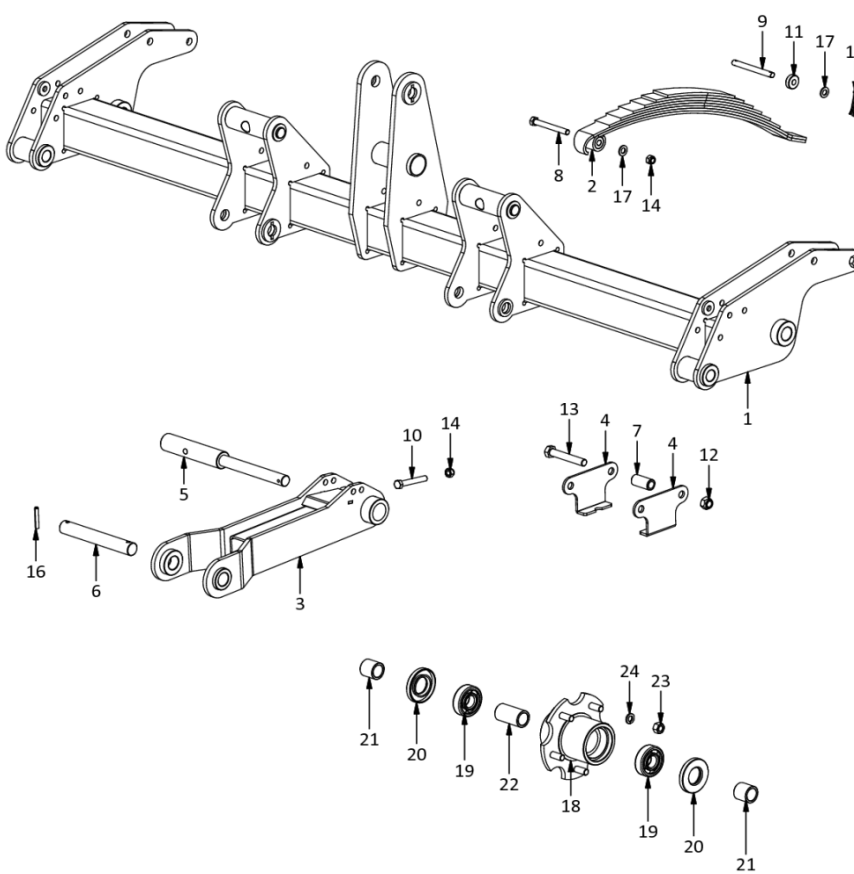
F60-300T Slasher
A0096



**F60-300T Slasher
A0096**

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	H5950	Deck Painted 3000	1	41	M5364	Backing plate M8-D95	1
2	H5951	Wheel carrier assy Exc wheels	1	42	M5341	Damper rubber	8
3	H2620	Gearbox F60VF	2	43	M62222	Nut Nyloc M22	4
4	T279A-927901600	Gearbox T279A	1	44	M32418	Nut M24	6
5	T601410ENC02F42	PTO shaft CV T60 1410 F42	1	45	M42525	Nut 1.0UNF	2
6	H5321	Disk 4-M22 D595.25	2	46	M41635	Bolt M16x35HT	8
7	H5433	Drawbar	1	47	M51265	Capscrew M12x65	1
8	M3799	Wheel Laminated 21x6.00-5	2	48	H5328	Bush Stepped 17x45x19.5	24
9	H0710	Parking jack 500mm	1	49	M41230	Bolt M12x30HT	42
10	M5953	Cylinder Hyd DB30008-125	1	50	M31612	Nut M16	12
11	H5410	Towing hitch Complete Swivel-type	1	51	M82402	Washer M24	3
12	H5952	Tie-rod M24x2123	2	52	M41030	Bolt M10x30HT	5
13	H3800A	Hub Assy 5-0.5in@D5.5in	2	53	M3945	Cap screw M10x25	8
14	H5346	Shaft Intermed	2	54	M5350	Washer 24.5x45x3	12
15	H5907	Side protector Left	1	55	M82503	Washer Flat 1.0in	2
16	H5908	Side protector Right	1	56	M61209	Nut Nyloc M12	10
17	M5905	Cover Intermed shaft	2	57	M40815	Bolt M8x16HT	20
18	H5411	Tie-rod M24x1070	1	58	M41450	BoltM14x50HT	12
19	H1822	Blade Banana 10x90x(510)-32.5	2	59	M1416	Split pin B5x60	2
20	H1821	Blade Banana 10x90x(510)-32.5 RH	2	60	M5342	Washer 13x24x3.0	32
21	H5307	Lifting bracket	1	61	H5345	Bush 12.5x15.8x11	32
22	M5979	Cover Tie-rod	2	62	M91604	Washer Spring M16	20
23	H5955	Cylinder lock	1	63	M31410	Nut M14	12
24	H5347	Profile	2	64	M61616F	Nut Nyloc M16F	12
25	H5906	Bracket	4	65	M81002	Washer Flat M10	3
26	M5360	PTO counter cone	1	66	M80803	Washer Flat M8	4
27	M5980	Kit Hydraulic Fixed	1	67	M91002	Washer Spring M10	8
28	M52275	Blade bolt M22-10.9 Special	4	68	M90813	Washer Spring M8	16
29	H5422	Pin D30x167-143	3	69	M61007	Nut Nyloc M10	5
30	H5580	Guide Hyd pipes	1	70	M81202	Washer Flat M12	10
31	H5414	Pin D25x181-163	2	71	M5593	Roll pin M6x40	18
32	H5415	Pin D25x157-139	2	72	M5594	Roll pin M8x50	6
33	H5418	Pin D25x151-133	1				
34	H5417	Pin D25x127-109	2				
35	H5423	Pin D25x125-107	2				
36	M5981	Bracket Hyd manifold	1				
37	M5351	Diaphram M16-PCD165	4				
38	M41675	Bolt M16x75HT	12				
39	H5343	Nut set M12-2	8				
40	H2614	Ganged bolts M16Fx50	6				

**A0096 Wheel carrier Exc wheels
H5951 & H3800A**

	Item	Part No.	Description	Qty
	1	H5954	Wheel carrier beam	1
	2	M5557	Spring Leaf 8xL	2
	3	H5437	Wheel swingarm	2
	4	M5516	Retainer Leaf spring 8L	4
	5	H5441	Axle Special Single	2
	6	H5442	Pin D30x211-187	2
	7	H5438	Bush 16.5x25x50	4
	8	M412100	Bolt M12x100HT	2
	9	H5439	Pin 12x120-106	2
	10	M41280	Bolt M12x80HT	2
	11	H5424	Bush 12.5x32x10	4
	12	M61616	Nut Nyloc M16	4
	13	M416100	Bolt M16x100HT	4
	14	M61209	Nut Nyloc M12	4
	15	M1416	Split pin B5x60	4
	16	M5594	Roll pin M8x50	4
	17	M81202	Washer Flat M12	5
	18	H3887	Hub Fabricated	1
	19	M3877	Bearing deep groove RMS-8	2
	20	M3876	Seal 35x72x10	2
	21	H3878	Bush 26x35x33	2
	22	H3879	Bush 26x35x62	1
	23	M31310	Nut 1/2UNF	5
	24	M91213	Washer Spring M12	5

Gearbox F60VF H2620

	Item	Part No.	Description	Qty
	1	H2632	Housing Extended F60V	1
	2	H2612	Shaft Output Extended	1
	3	H2631	Shaft Input F60VF/VX	1
	4	H2609	Gear Bevel Z27/z10	1
	5	H2608	Gear Bevel Z20/z6	1
	6	H1323	Dust cover	1
	7	M2624	Cover	1
	8	M1333	Bearing Tapered roller 32009	2
	9	M1371	Bearing Deep groove 6205	1
	10	H1378	Retainer Domed	1
	11	H2633	Washer 35x52x5	1
	12	M41045	Bolt M10x45HT	2
	13	M41025	Bolt M10x25HT	4
	14	M1332	Bearing Tapered roller 32008	1
	15	M1326	Seal Felt	1
	16	M1334	Plug + Dipstick	1
	17	M1375	Circlip Internal INT0750	1
	18	M1374	Circlip Internal INT0680	1
	19	M31007	Nut M10	2
	20	M1319	Nut Slotted 1 UNF	1
	21	M1369	Plug Welsh type 52x10	1
	22	M1343	Washer 40x26x2	1
	23	M1361	Seal Radial lip 68x40x8	1
	24	M2617	Gasket F60	1
	25	M2634	Locking nut KM7	1
	26	M1416	Split pin B5x60	1
	27	M1366	Seal Radial lip 75x55x8	2
	28	M1372	Circlip Internal INT0520	1
	29	M1365	Load washer Wave type EPL50	1
	30	M1364	Load washer Wave type EPL44	1
	31	M2635	MB(L) locking washers-Bearing accessories	1
	32	M1368	Seal protector	1
	33	M3231	Gear oil Renolin CLP1000	A/R

A/R = As required

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