



**8ft & 9ft Fully Off-set Trailed Topper
(HYD) TOP8T/TOP9T**

Operators Manual & Parts List

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'Quality, Strength & Personal Service'

FLEMING FULLY OFF SET TRAILED TOPPER

INTRODUCTION

Fleming Agri-Products Ltd is a family firm established in 1860.

The company is highly regarded as one of the leading manufacturers in the field of agricultural equipment in Ireland. Our portfolio can be found on the website at www.fleming-agri.co.uk.

This manual is designed to be user friendly and assist you in getting the best results from your machine while always keeping safety on your mind.

The Fleming Super Float Trailed Topper is the latest addition to the quality range of farm machinery manufactured at Fleming Agri-Products. This Topper is fully off-set when in topping position, allowing a clean cut of uneven pasture. The topper can be driven by relatively low powered tractors. The heavy duty Rotors with swinging blade system allows the topper to withstand the excessive pressure of wet conditions. The cutting height is adjusted by setting up the position of the skids on either side of the topper. The skids unique floating mechanism will also prevent the topper from grounding when working on uneven ground conditions.

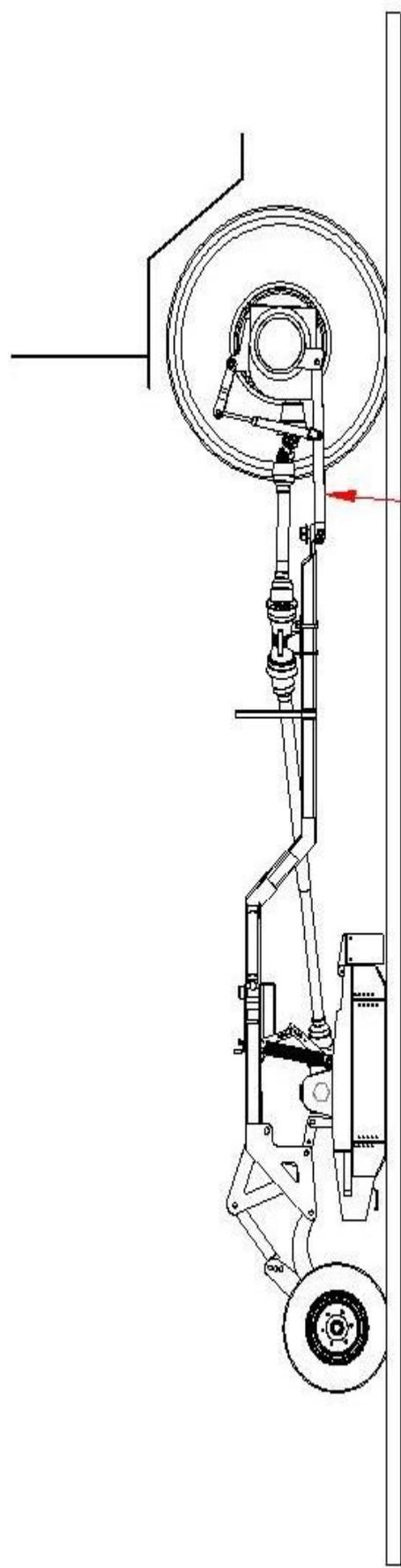
The Fleming Trailed Topper is multi purpose, while designed for agricultural use it may also be used for topping playing fields or other local authority areas. It will also successfully top in wet conditions and heavy pasture including rushes etc. This topper is suitable to top set-aside.

GENERAL OPERATING INSTRUCTIONS

Before operating topper read safety instructions. Ensure all operators are familiar with the points made:

- Fit tractor lift arm linkage to topper in normal way
- **N.B Always lock the lift** in the lowered position before connecting the wide angle PTO Shaft and at all times during operations
- Check oil level in gear box before use
- Fit PTO Shaft to ensure correct length when in Transport position
- Adjust Topping height by removing 4 bolts on each skid and set to height required. Topper must be in topping position before height is adjusted. Set cutting height with topper standing on even ground.
- Adjust spring tension to correspond with topping height. Correct tension should exert slight upward pressure on cutting deck in working positions.
- Begin to operate at low RPM and gradually increase to 500 RPM
- Ensure that hydraulic hose is long enough to facilitate turning
- With the PTO shaft and all safety guards in place, it is safe to start topping
- **DO NOT ENGAGE PTO WHILE IN TRANSPORT POSITION**
- **ENSURE TOPPER AREA HAS NO BY-STANDERS-LIFE CAN BE ENDANGERED BY FLYING MATERIAL THROWN FROM TOPPER**

IMPORTANT INSTRUCTIONS



LIFT ARMS MUST BE LOCKED
IN THE LOWERED POSITION AT
ALL TIMES DURING OPERATION.

REGULAR MAINTENANCE

Before carrying out repairs or maintenance to the topper please read the safety instructions

NB ENSURE THAT THE MAIN PTO SHAFT TO THE TRACTOR IS DISENGAGED BEFORE WORKING UNDER THE TOPPER. REMEMBER THAT THE BLADES WILL CONTINUE TO ROTATE FOR SOME TIME EVEN AFTER THE TRACTOR PTO SHAFT IS SHUT OFF

As a rule, disengage the driving system and stop the engine prior to carrying out maintenance, servicing, cleaning or repair work. **ALWAYS** remove the ignition key.

Prop the topper with appropriate supports and ensure the blades have stopped moving before carrying out any maintenance. The manufacturer will not be responsible for any damages or injuries caused by unauthorised repair, alterations or mishandling of the product.

Maintain product with care checking regularly for damage that would affect the safe operation of the implement.

ALWAYS use genuine Fleming parts.

Check the oil level in gearboxes before operating and at regular intervals. Oil should be at the level of the bung on the side of the centre gearbox and 10mm below the bung on the side of the other gearboxes.

Change oil after first 50 hours and every 500 hours after. Correct oil quantity is 0.8 litre

CAUTION The gearboxes may become hot during use. Allow time for the housing and the oil to cool sufficiently before carrying any maintenance.

To ensure that all the sludge's and contaminants are removed during an oil change, the oil should still be warm when it is drained.

Use SAE 90 Gear Oil.

Fill oil by removing plugs at top and side of gearbox.

Grease PTO shaft tubes, universal joints and all other greasing points (marked with a sticker) daily.

Check holding bolts on gearbox after every 5 hours of use and tighten if necessary for the first 20 hours and periodically afterwards.

Regularly check that blades are kept sharp and free from damage. Replace if any damage is apparent.

When replacing the blades ensure only the correct FLEMING blades are used. Blades should be replaced in pairs to ensure that the rotor remains balanced. **ALWAYS** replace the blade bolts with new genuine Fleming bolts when the blades are changed.

The bolts which attach the blades should be tightened fully and then slacked off until the blade is free to rotate.

ALWAYS ensure all warning stickers are kept clean and in good condition, replacing where necessary.

CAUTION paintwork may be damaged if high powered washers are used when cleaning the topper.

SAFETY INSTRUCTIONS

1. **NEVER** operate the topper with anyone standing at close range to the tractor or topper. This will prevent people getting injured by material being thrown from the topper.
2. **NEVER** allow riders on the machine or on the drawbar of the Topper. It is extremely dangerous. Passengers should only be carried within an enclosed safety cab where he/she can be carried in a safe position.
3. Tractor drivers or helpers should avoid wearing loose flapping clothes when working close to PTO driven machinery. Keep long hair tied back.
4. **ALWAYS** ensure all safety guards are fitted and firmly in position at all times. **WARNING: ALWAYS** check the guards or covers are replaced after carrying out maintenance or adjustments.
5. Disengage the PTO before dismounting from the Tractor cab.
6. Ensure main PTO shaft to tractor is disengaged before working under Topper. Blades continue to rotate for some time after the tractor PTO is shut off. Before attempting to clear blockages or open covers (to adjust or maintain topper) make sure the rotors have come to a complete stand still.
7. Ensure PTO shaft is correct length to suit tractor.
8. **ALWAYS** ensure PTO Tubes and universal joints have sufficient grease.
9. **NEVER** adjust the Topper skids without having the topper in a safe and stable position.
10. **NEVER** use any other bolts other than shear bolts on the knuckle joint. Always ensure the rating is 6.8. If heavier rated shear bolts are used it may cause undue stress to the Topper.
11. **NEVER** distract people who are using machines.
12. Take care when operating machinery on sloping ground.
13. Take extra care when carrying out maintenance and adjustments as this is when most farm accidents occur.
14. **ALWAYS** use the recommended spare parts.
15. **NEVER** attempt to move this implement manually

Hydraulic safety

Caution the hydraulic system is under high pressure.

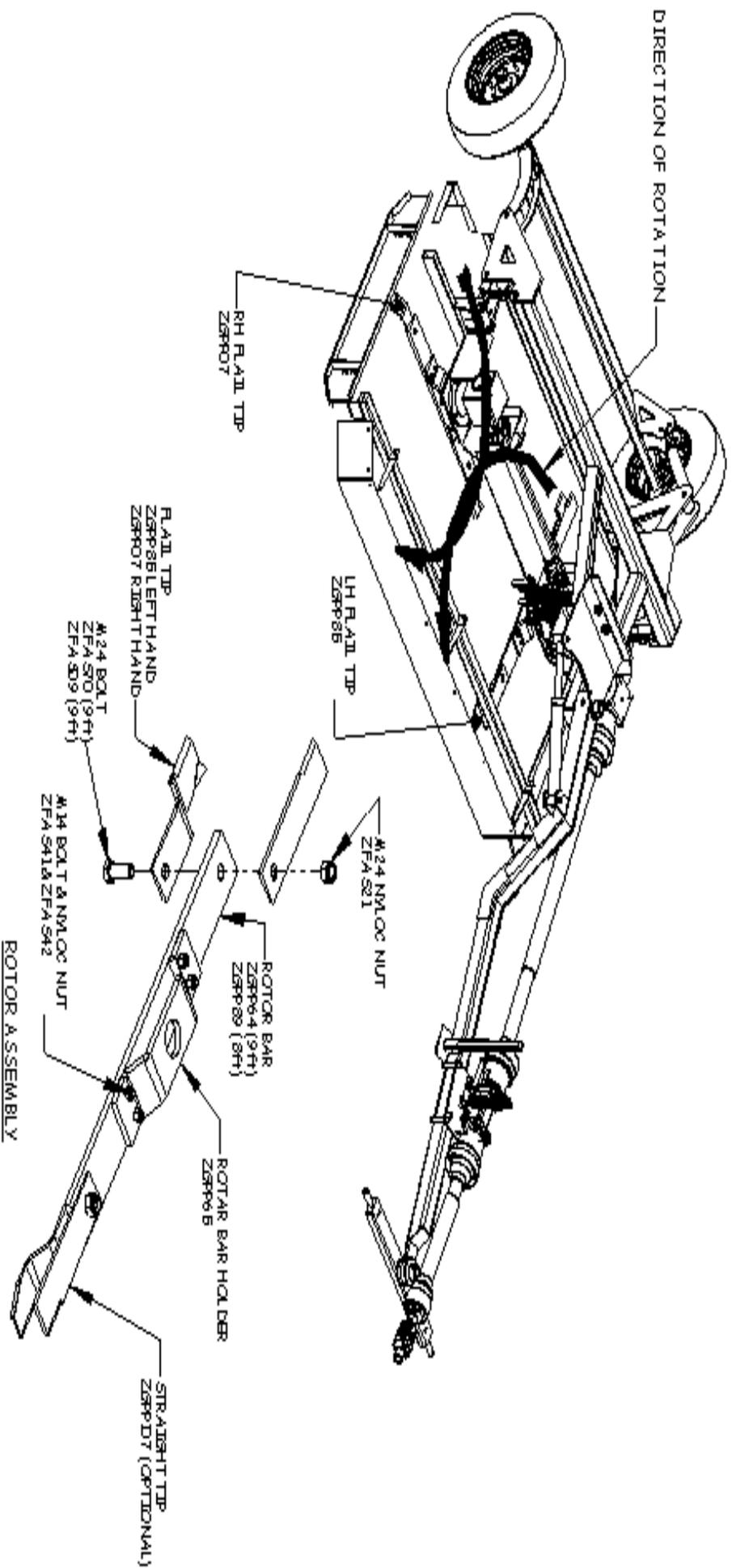
Ensure that only high pressure hoses are used to connect supply to the hydraulic cylinder. Check hoses regularly and renew any that are damaged or worn.

Before working on the hydraulics lower the machine, release the pressure from the system and stop tractor engine.

When connecting hydraulic rams make sure that the hydraulic hoses are coupled correctly. Pressure should be released from the system both on the tractor and on the implement side prior to coupling the hoses to the tractor hydraulics.

Caution Hydraulic oil forced out under pressure can break the skin and cause severe injury. In the event of a hydraulic oil leak

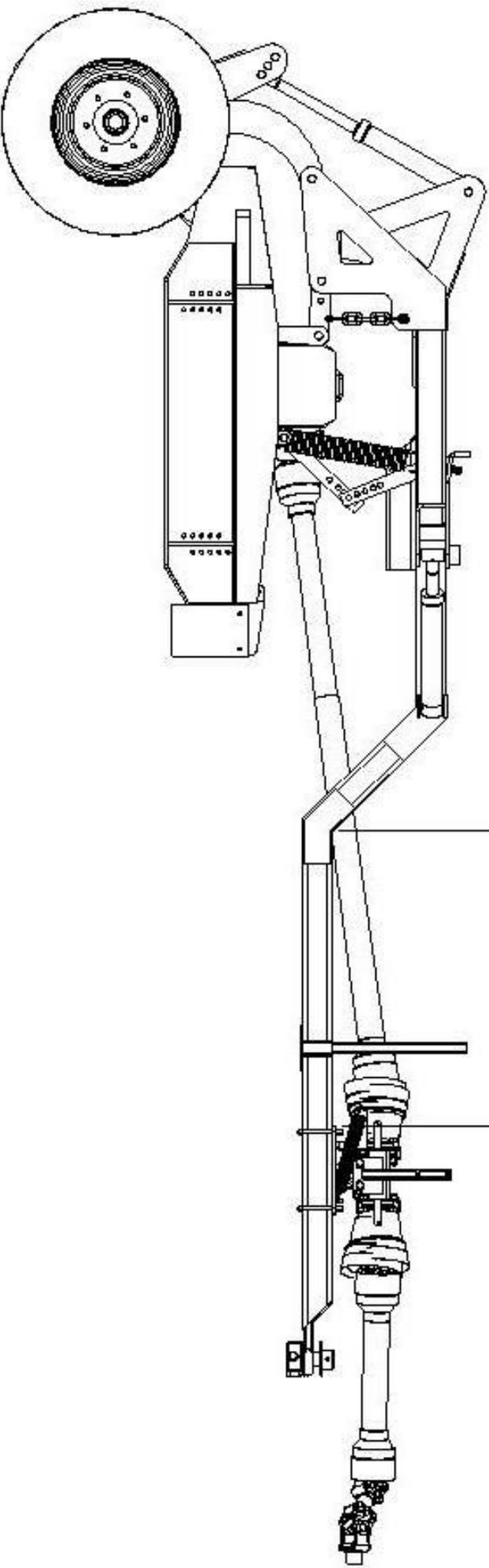
ROTOR ASSEMBLY AND DIRECTION OF ROTATION



ASSEMBLY INSTRUCTIONS

This dimension is important to ensure that PTO shaft does not disengage or foul.

850 (To Plate Edge)



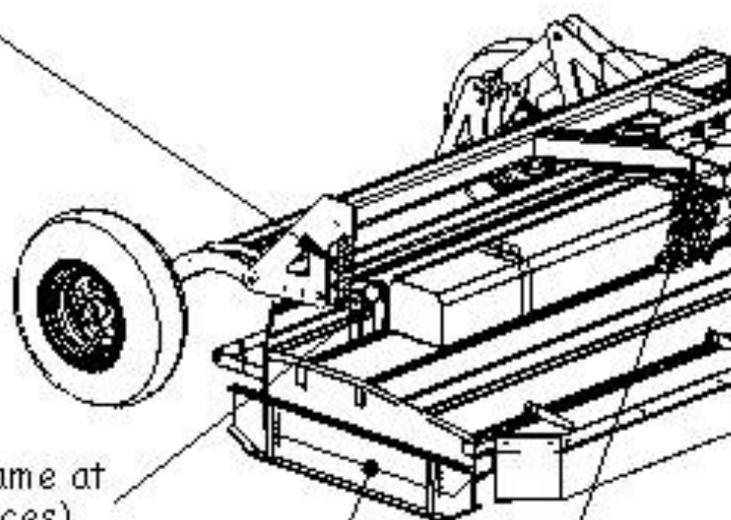
ASSEMBLY OF DECK

Attach chains
2 places.

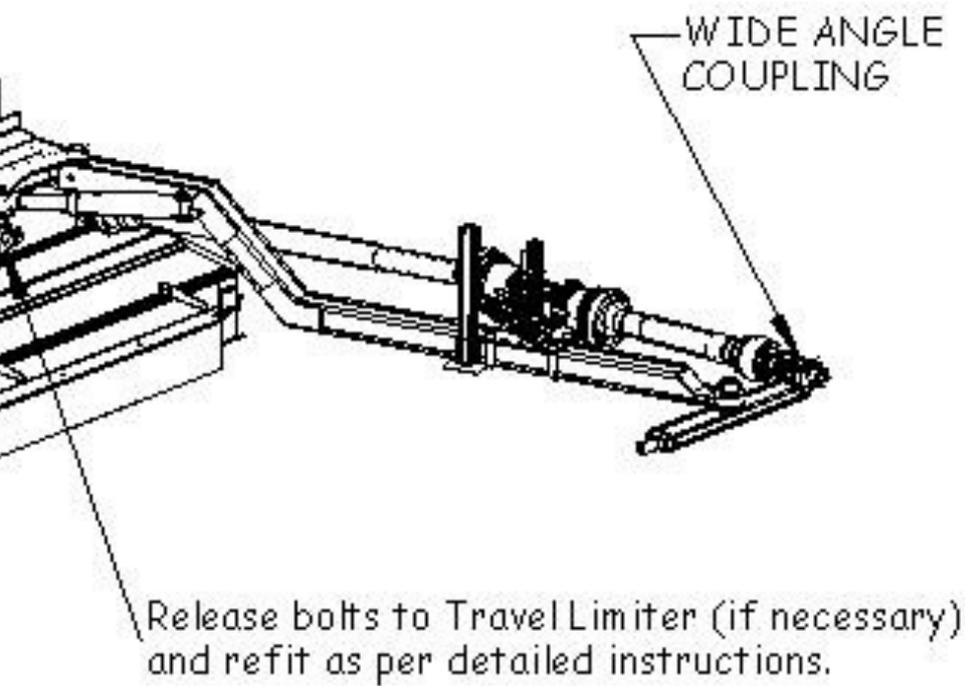
Attach deck to frame at
hinge points. (2 places).

Adjust skids to the required
working height.

Attach an
slight upw



BACK TO FRAME



and adjust Flotation springs to exert a
ward pressure in the working position.

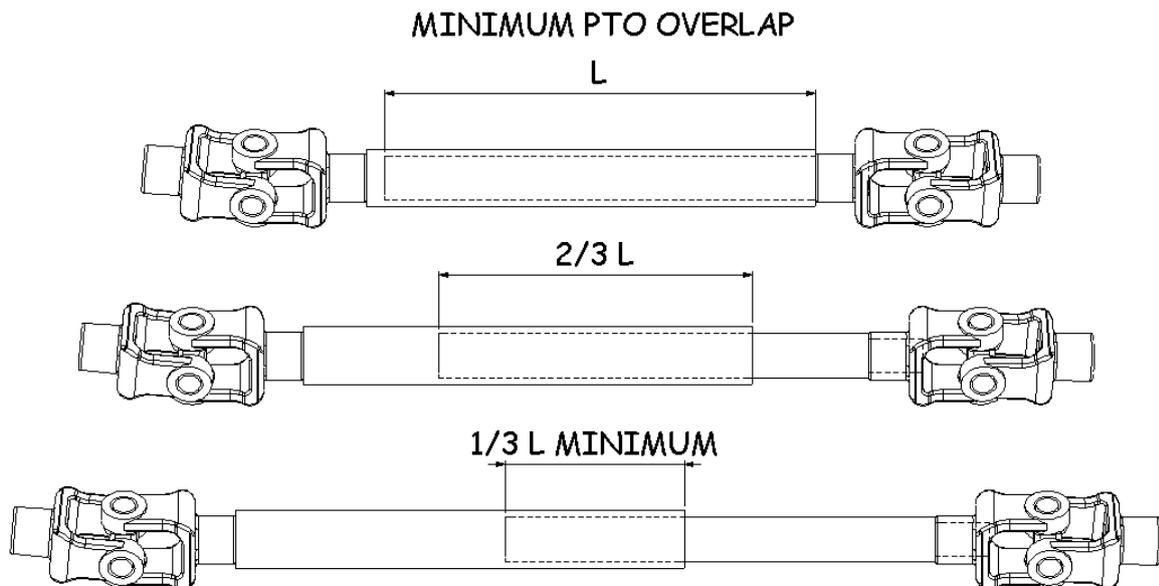
Please Note – To ensure a level cutting, en-
sure that the length of chain is 30mm (1ft)
between hole centres.

1.5 PTO SHAFT LENGTH

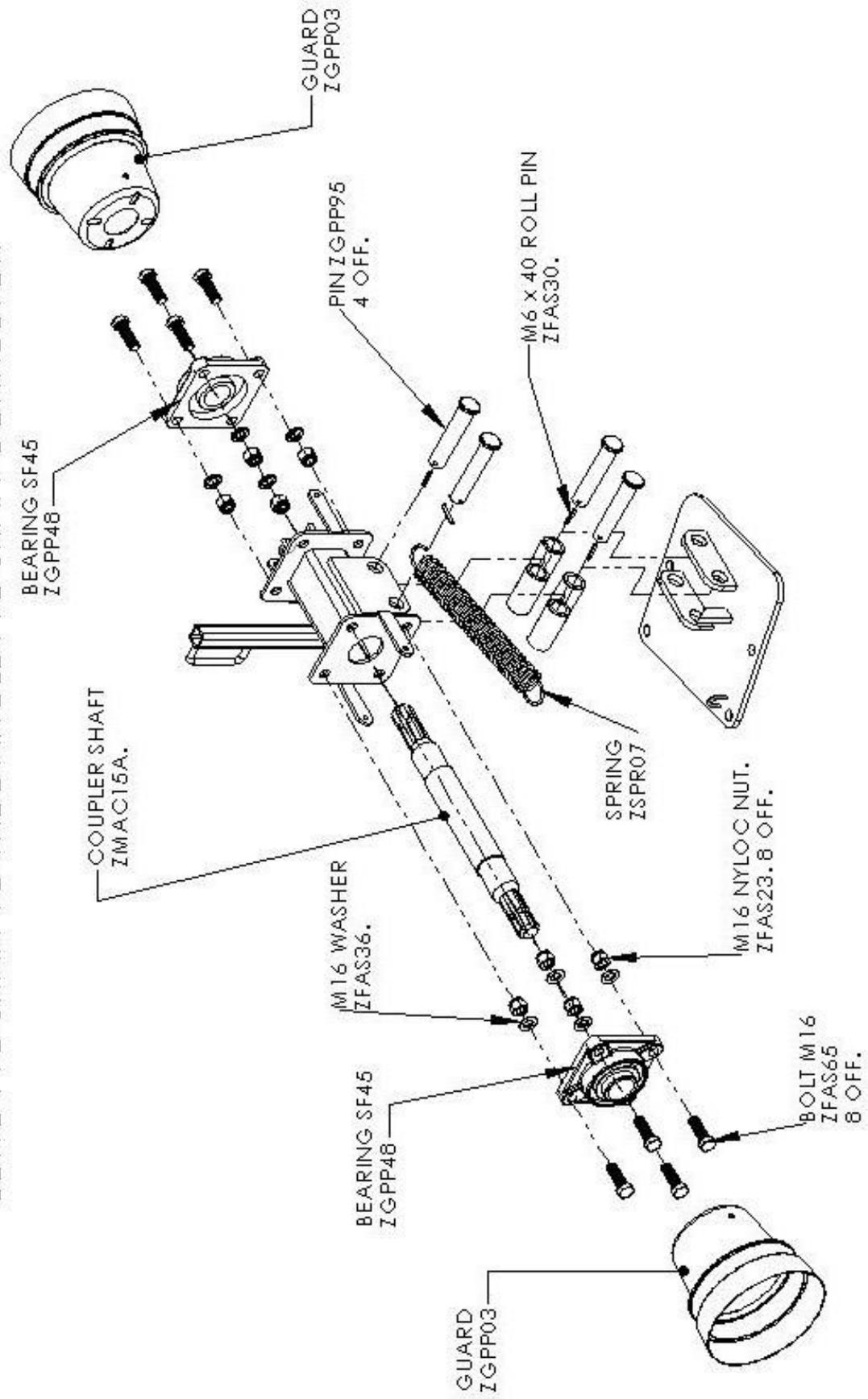
The PTO shaft length may be altered to suit individual tractor. During operation when the PTO is at its maximum extended length there must be a minimum overlap of 1/3 PTO shaft length as shown in the minimum PTO overlap diagram.

The topper should be hitched to the tractor and be checked in various positions to ensure that the PTO drive line is the correct length. Remember that undulating ground can also affect the length of the PTO shaft.

CAUTION! ENSURE THE PTO DOES NOT BOTTOM WHEN LIFTING MACHINE.

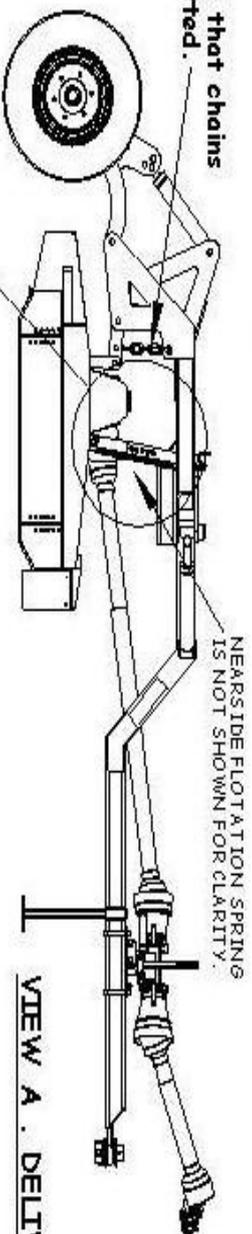


LONG PTO SHAFT TO WIDE ANGLE PTO SHAFT CONNECTOR



FLATATION SPRING & TRAVEL LIMITER ADJUSTMENT

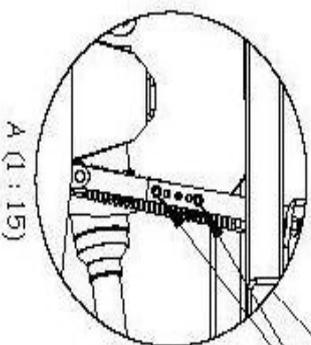
Ensure that chains are fitted.



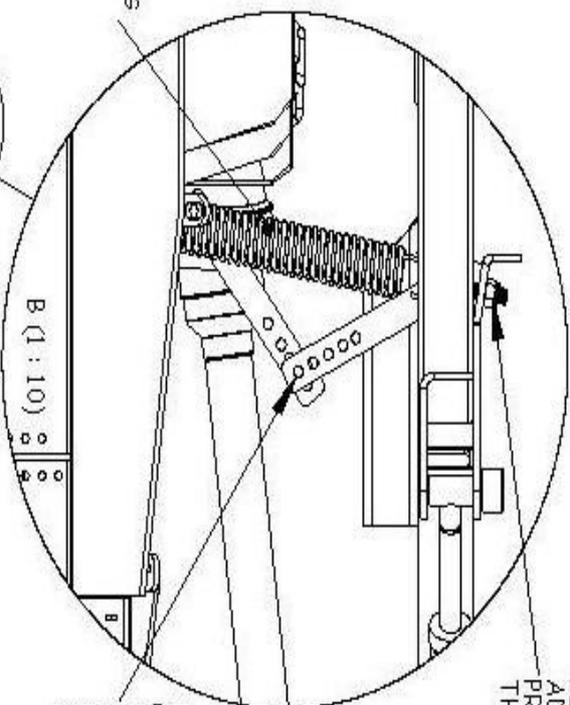
NEARSIDE FLATATION SPRING IS NOT SHOWN FOR CLARITY.

VIEW A . DELIVERY POSITION

MACHINE IS SUPPLIED WITH NUTS & BOLTS POSITIONED AS SHOWN FOR TRANSPORTING PURPOSES.



A (1 : 15)

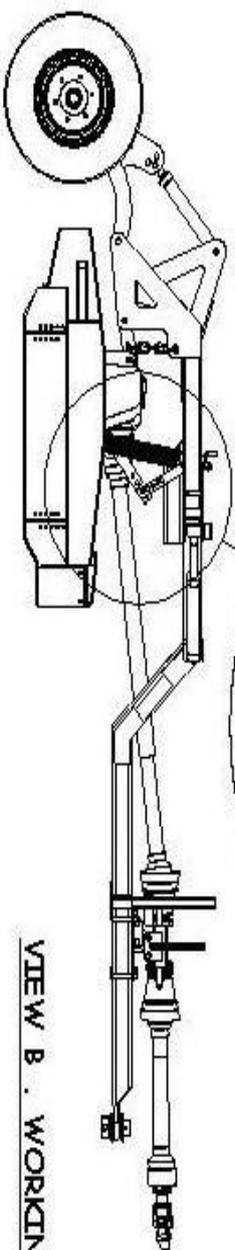


B (1 : 10)

FLATATION SPRING ADJUSTMENT.
FLATATION SPRINGS SHOULD BE ADJUSTED TO GIVE SLIGHT UPWARD PRESSURE WHEN THE MACHINE IS IN THE WORKING POSITION.

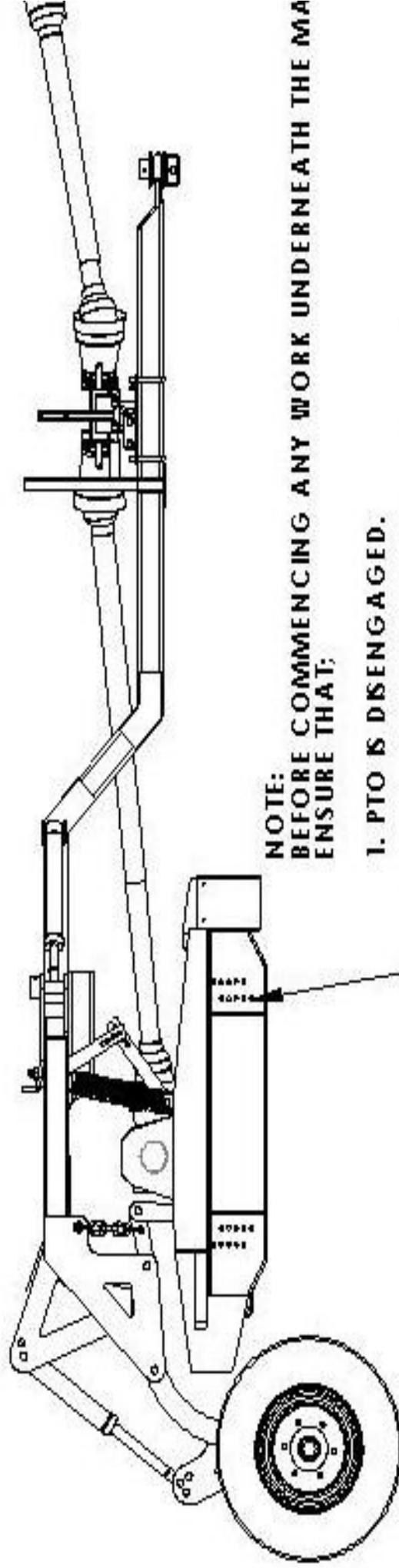
REMOVE BOTH SETS OF NUTS & BOLTS AND REFIT **ONE SET ONLY** (DO NOT FULLY TIGHTEN) TO ALLOW THE TRAVEL LIMITER ARMS TO FOLD. MOVEMENT OF THE TRAVEL LIMITER ARMS SHOULD ALWAYS BE BIASED TOWARDS THE FRONT OF THE MACHINE AS SHOWN.

FLATATION SPRING
ZSPR09



VIEW B . WORKING POSITION

SKID HEIGHT ADJUSTMENT



NOTE:
BEFORE COMMENCING ANY WORK UNDERNEATH THE MA
ENSURE THAT:

1. PTO IS DSENGAGED.
2. TRACTOR ENGINE IS NOT RUNNING.
3. IF THE DECK IS IN THE RAISED POSITION IT IS SUPPORTED WITH SUITABLE PROPS.
4. SUITABLE PROTECTIVE CLOTHING IS WORN.

TO ADJUST SKID HEIGHT.

RELEASE 4 No. M12 BOLTS AND NUTS.

ALIGN HOLES IN THE SKID PANEL WITH HOLES IN THE DECK SIDE PANEL TO GIVE THE REQUIRED CUTTING HEIGHT.

REFIT ALL BOLTS, NUTS AND WASHERS.

AFTER ADJUSTMENT TO SKID HEIGHT, FLOTATION SPRINGS MAY REQUIRE ADJUSTMENT AND WHEEL LIFT RAM SETTING MAY NEED CHANGED.

AUTHORISED OPERATORS

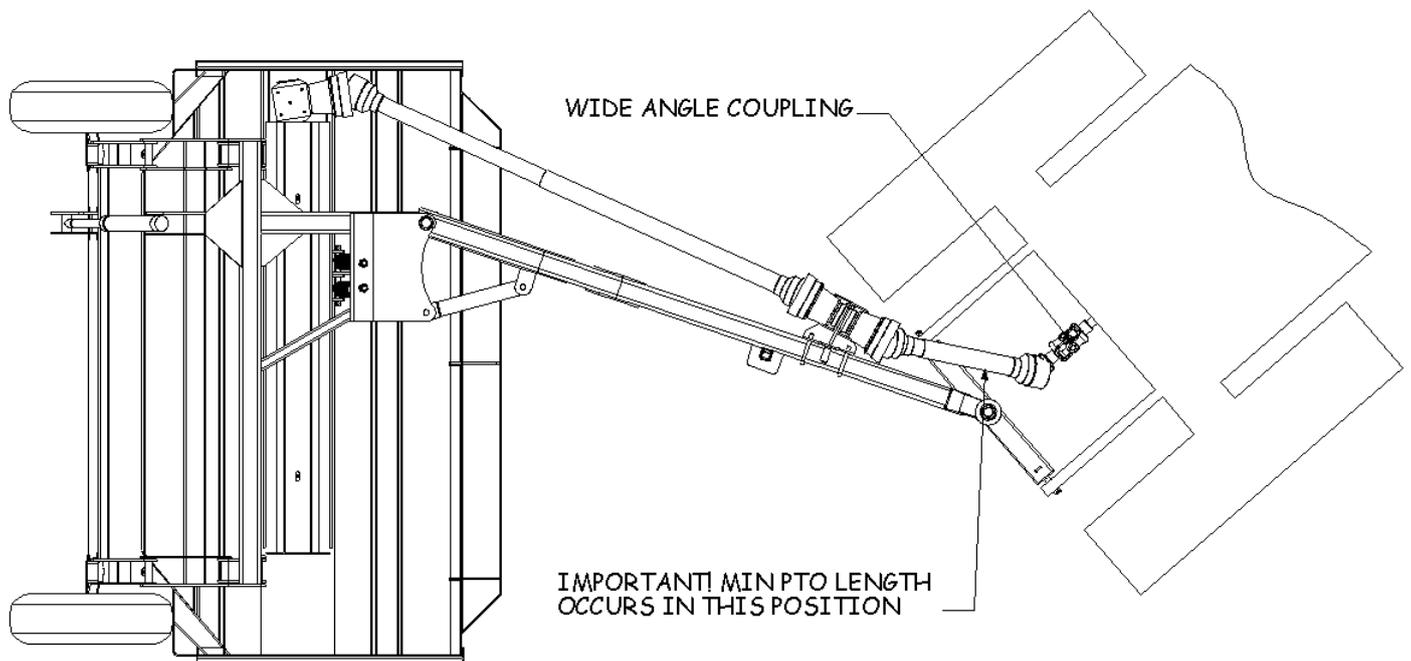
Youths under the age of 16 must not operate this implement. The owner of the machine must provide the operator with the operating instructions and make sure they have read and understood them. Only then may the topper be put into operation.

The owner must ensure that only authorised persons operate/work on this machine. They are responsible for any third persons or animals within the working area of the topper.

A SAFE DISTANCE OF AT LEAST 30M MUST BE OBSERVED BY ANY PERSON OR ANIMAL WITHIN THE VICINITY OF THE TOPPER.

MINIMUM PTO CONDITION

TRANSPORT POSITION TRACTOR TURNED LEFT



Rotor maintenance

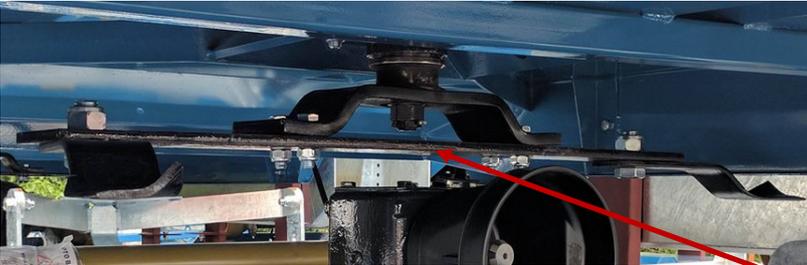
The rotor should be checked after the first 10 hours, the first 50 hours, and the first 100 hours of use.

The rotor should then be checked periodically to ensure it has remained tight.

1) Ensure PTO is turned off completely.

Remove key from ignition.

2) To access the topper castle nut, remove the rotor bar.



Remove M14x50 bolts from rotor bar/rotor bar holder assembly.

You can now take the rotor bar off its holder. Place the rotor bar aside.

Do NOT remove blades from the rotor bar.



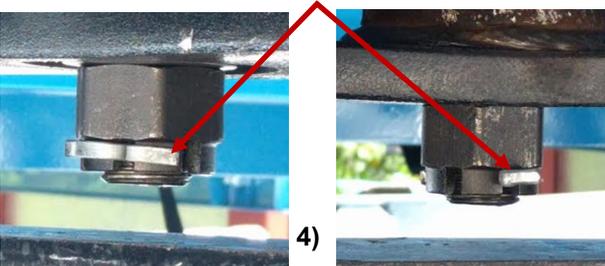
M14x50 Bolt

M14 Nylock

3) You now have access to the Topper castle nut, with the split pin.

Remove split pin from gear box shaft/ topper castle nut assembly.

Split pin



4)

When split pin is removed, tighten the castle nut.



Topper castle nut

After the Topper castle nut is tightened, replace the split pin.

Secure the rotor bar back in place with the M14x50 bolts, and M14 Nylock.

DECLARATION OF CONFORMITY

CONFORMING TO EC Machinery Directive 2006/42/EC

We

Fleming Agri-Products Ltd
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Declare in sole responsibility, that the products

Type: 8ft & 9ft Fully Off-set Trailed Topper (HYD) TOP8T/TOP9T

To which this certificate applies, conforms to the basic safety and health requirements of the Machinery Directive 2006/42/EC, and the Transposed Harmonised Standard:

BS EN 4254-12 (2012)

BS EN 4254-1 (2015)

Jonathan Lecky
Production Director