

TC HYD Operators Manual

See our
Online Catalogue
at www.groundsmanindustries.com

Internet

www.groundsmanindustries.com
info@groundsmanindustries.com

Telephone

UK : 028 2766 7049
Int : +44(0) 28 2766 7049

Fax

UK : 028 2766 6855
Int : +44(0) 28 2766 6855

Address

30 Ballybrakes Road
Ballymoney
Co. Antrim
Northern Ireland
United Kingdom
BT53 6LG

Importer & Distributor

Ireland & Scotland
Groundsman Industries
Phone +44(0) 28 2766 7049
www.groundsmanindustries.com

England & Wales
Synergy Products Ltd
Phone +44(0) 1380 828 337
www.synergyproducts.co.uk

TURF multi CUTTER MODEL TC HYD & TC RIA Reel Insertion Attachment OPERATORS MANUAL



GROUNDSMAN INDUSTRIES LTD
30 BALLYBRAKES ROAD
BALLYMONEY
CO. ANTRIM
BT53 6LG
TEL: 028 276 67049 FAX: 028 276 66855

Email: bwarke@groundsmanindustries.co.uk **Web site:** www.groundsmanindustries.co.uk

The Professionals Choice

SERIAL NUMBER

DELIVERY DATE

It is essential to quote the machine model and serial number when making service enquiries or ordering spare parts to avoid any delay.

The serial number of your Groundsman Pedestrian Operated Turf Cutter is located **on the front right side body panel if viewed from the rear of the machine.**

This machine was supplied by:

Dealer address:

If you require any further advice or assistance you can contact **Groundsman Industries**
directly on: TEL: 028 2766 7049 FAX: 028 2766 6855
Email: bwarke@groundsmanindustries.co.uk

INDEX

<u>CONTENTS</u>	<u>PAGE</u>
SERIAL NUMBER	1
INDEX	2
SAFETY FIRST	3
WARRANTY	4
TECHNICAL INFORMATION	5
OPERATOR LEVERS AND CONTROLS	6 & 7
BASIC SET-UP & OPERATING INSTRUCTIONS	8
RUNNING MAINTENANCE	9 & 10
AVAILABLE ACCESSORIES	11 & 12
Notes	13

SAFETY FIRST

1. All guards must be in place.

Always ensure that all guards are in position, properly fitted and maintained. Do not attempt to operate the machine before making this check each time the machine is used.

2. Beware of bystanders.

Operators should be aware that it is possible that debris can exit from the sides of the machine, so this area is best kept clear.

3. Always operate safely.

Never remove any guards or work at the any part of the mechanism while the engine is running. When tilting the machine up to rest on the engine protection bar to gain access to the cutter blade, always select a stable and level surface. Be aware that in this forward tilted position, petrol can leak through the filler cap if the tank is full. Take care not to allow petrol spillage or cause to ignite.

4. Never operate the machine with any parts missing.

Check the machine periodically for loose or damaged parts. Always use genuine Groundsman Industries replacement parts. Failures caused by the use of spurious replacement parts will **not** be covered by the factory warranty, nor will any liability be accepted for damages or injury thus incurred.

5. Modifications.

No liability will be accepted in respect of machines modified without specific **written** permission from Groundsman Industries.

6. Observe the manual.

No liability will be accepted where injury or damage is caused by using the machine in a manner other than detailed in this manual.

Do not start this machine or carry out any maintenance until you have read and understand the safety and operating instructions contained in this manual.

WARRANTY

Examination of the goods has been made by or on behalf of the purchaser and no warranty condition, description or representation on the part of the manufacturer is given or is to be implied or has been given from anything said or written in the negotiations between the parties or their representative beyond those mentioned below. Any statutory or other warrant condition, description or representation expressed or implied as to the goods is hereby expressly excluded.

In lieu, thereof the manufacturer undertakes to make good by repair or replacement at its option free of all charge during normal working hours. Any defects in the goods arising in the manufacturer's opinion from faulty design, materials or workmanship which shall become apparent within a period of 24 months in the case of machines, and 12 months in the case of spares from the date of receipt of the goods. At the termination of which period, all liability on the manufacturer's part ceases. Provided always and the above warranty is subject to the following conditions:

- A. The manufacturer's liability extends only to the repair or replacement and it accepts no liability for any consequential or other loss, damage or injury resulting directly or indirectly from any defect in the goods.
- B. The manufacturer's warranty does not extend to failures, defects or damage attributable to wear and tear, improper adjustments, neglect, and alteration of specification or accident.
- C. All defective parts must be returned to the dealer immediately together with full particulars of the defects, the machine number, the hours worked and the date machine was supplied.
- D. The manufacturer's warranty does not extend to proprietary or other components not of its manufacture, but it will as far as possible pass to the purchaser any benefits of any guarantee given to the manufacturer in respect of such components.
- E. In the event of the rejection by the manufacturer of any claim, the part or parts returned will be destroyed unless specific instructions to the contrary were given when part or parts were returned.
- F. No claim will be considered if other than genuine parts manufactured by the manufacturer or its order and listed in its catalogue are used.
- G. This warranty should only be construed as strictly limited in its application and is valid only in the country of purchase. If the goods shall change hands during the period of this warranty, this warranty will cease to have effect.
- H. The manufacturer accepts no responsibility for damage by fire or accident of any kind to any goods returned under the terms of this warranty. The manufacturer does not accept responsibility for any accident occurring to such goods whilst on the premises.
- I. This warranty shall cease to have effect if the purchaser removes, defaces or alters the manufacturer's number plate (serial number) or any other numbers or marks affixed to any Groundsman Industries Ltd product.
- J. In respect to machines sold which have been used since the date of manufacture for commercial, contract, hire, rental or demonstrator purposes, the warranty on this product is limited in duration to 12 months from the date of purchase.

TECHNICAL INFORMATION

TURF multi CUTTER Model TC HYD

CUTTING BLADES Interchangeable Rear Mounted

SOD BLADES

Widths	Depth	
30cm (12")	0—7.5cm	(0—3")
35cm (14")	"	"
40cm (16")	"	"
45cm (18")	"	"

WEDGE TRENCH BLADES

Width	Depth
32mm (1 1/4")	13cm (5")

DE-COMPACTION & MOLE DRAINAGE BLADES

Single Blades Rear Centre Mounted.

Blade Thickness 4mm(3/16") Depth 13cm(5")

OVERALL DIMENSIONS

Safety Bars Fitted Operator Handles Folded

WEIGHT

227 Kilo (500 lbs) With Reel Attachment & Wheel Weights

TC HYD Turf multi Cutter

171 Kilo (376 lbs) Without Attachments or Blades

Height: 96cm (38") Without Reel Attachment
Width: 63cm (25")
Length: 147cm (58") (without Trenching Attachment)

Engine: 9 HP Honda GX240

Drive System: Disc Clutch Blade Mechanism Engagement. Centre Connecting Rod and Cam Crank Drive. Sealed Bearings.

Blade Mechanism: Central Connecting Rod and eccentric Drive Shaft. Sealed bearings throughout.

Ground Drive: Hydrostatic Double Axle Four Wheel Drive with Rapid Transport

WHEELS

Front: 13 x 550 x 6 Pneumatic Tractor or Turf Tyres
Rear: Inter-changeable Rib Grip or Spade Lug Blade Wheels

PERFORMANCE

All calculations are based on standard operating engine speed of 3600 RPM

Blade Speed	Depth (Adjustable) Maximum	Forward Speed (In Work)	Coverage	
1500 oscillations per minute	Turf Cutting 75 cm (3")	Up to 50 mtrs/min (variable)	Blade 30cm Sod Blade and Mole Drain, De-compact and Trench at 30cm centres	Maximum / Min 1100 sq m (1192sq yd)
	De-Compact		35cm Sod Blade	1283sq m (1390sq yd)
	Mole Drain		40cm Sod Blade	1466sq m (1588sq yd)
	Trench 12.5cm (5")		45cm Sod Blade	1650sq m (1787sq yd)

OPERATOR LEVERS AND CONTROLS



The Operators Handles fold for storage or carriage.



To adjust Operators Handles loosen locking lever and adjust to a comfortable working height. Re-clamp the lever firmly.



The Depth-Set Clamp Lever clamps or releases the depth-set dial to adjust the depth of cut which is indicated by the pointer on the scale. 0—8 cm (0—3”).



The Throttle Lever increases the engine speed.



ENGINE

The Groundsman Model TC HYD is fitted with a Honda 9 HP petrol engine. Unleaded or low leaded is preferred to minimize combustion chamber deposits. Please refer to the Honda Owners manual for instructions regarding maintenance.



SETTING THE CUTTER DEPTH

To set the Cutter Blade Depth, unclamp the blade depth clamp lever and tilt the machine slightly forward..

Turn the Depth-Set Dial to the required depth observing the depth scale, which is calibrated 0-8 cm (0-3").



NOTE

Set the depth to 8 cm (full depth) when using Mole or De-compaction, Trench or Wedge Insertion blades.

IMPORTANT

Always re-tighten the Depth Clamp Lever firmly after setting the depth.



Free Wheel Drive Lever

To disengage wheel drive lift lever to the top position

To Engage wheel drive turn lever backward to lower position



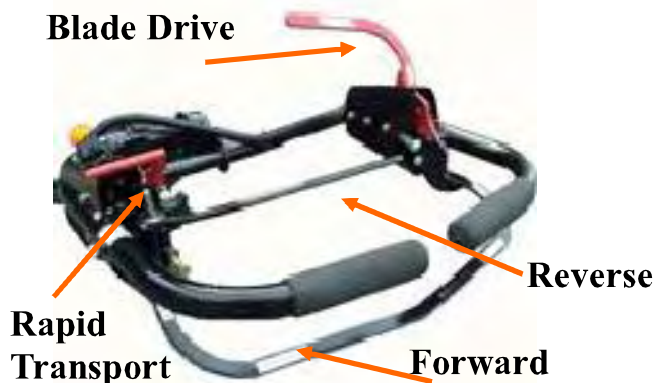
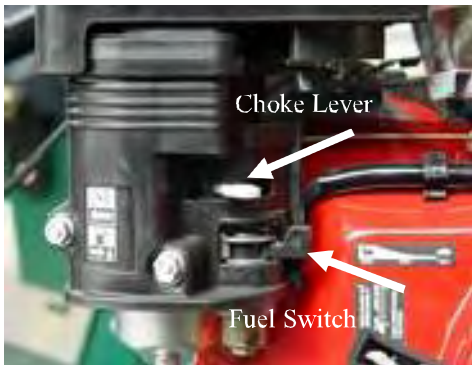
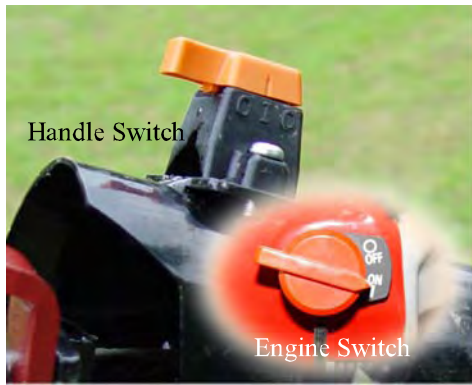
Rapid Transport Lever

Lift lever up and left to enable Rapid Transport when manoeuvring and transporting between site locations

NOT RECOMMENDED FOR IN WORK CONDITIONS

Please disengage before commencing work

BASIC SETTING UP AND OPERATING INSTRUCTIONS



STARTING AND OPERATING

Ensure that the Free Wheel Release Lever is in the forward neutral position before starting the engine.

Turn the fuel tap on. This is located under the choke lever on the rear right hand side of the engine. Turn the ignition switch on. This is located at the front of engine AND on the handle bars. ENSURE BOTH are in the on position

If the engine is cold apply the choke. Start the engine and ease the choke off allowing to warm up a few minutes. Engage the Free Wheel Release Lever Push the throttle lever forward to accelerate the engine, engage the forward / reverse drive.

When the Blade Drive Lever (which is located on the Right Top side of the handle bars) is in the forward neutral position the blade will not move.

Forward drive lever is on the bottom of the handle bars Lift to engage Forward Drive.

Reverse drive lever in on the top left of the handle bars pull down to engage reverse drive.

Rapid transport can be achieved by moving RT lever up into position as illustrated and using the forward lever as normal

To commence cutting pull the Blade drive lever all the way back and hold In position lift the forward drive lever to engage ground drive.

To commence cutting, set throttle to forward position rest the blade on the ground and applying a slight downward pressure, and allow the wheels to pull the blade into the ground.

Tilting the machine forward, and gently apply reverse drive will clear the blade from the ground. Release the Blade Drive for turning and manoeuvring between cuts. Forward & Reverse Drive can be used to propel the machine in a turn, or disengage Free Wheel release and propel the machine manually.

Routine Maintenance



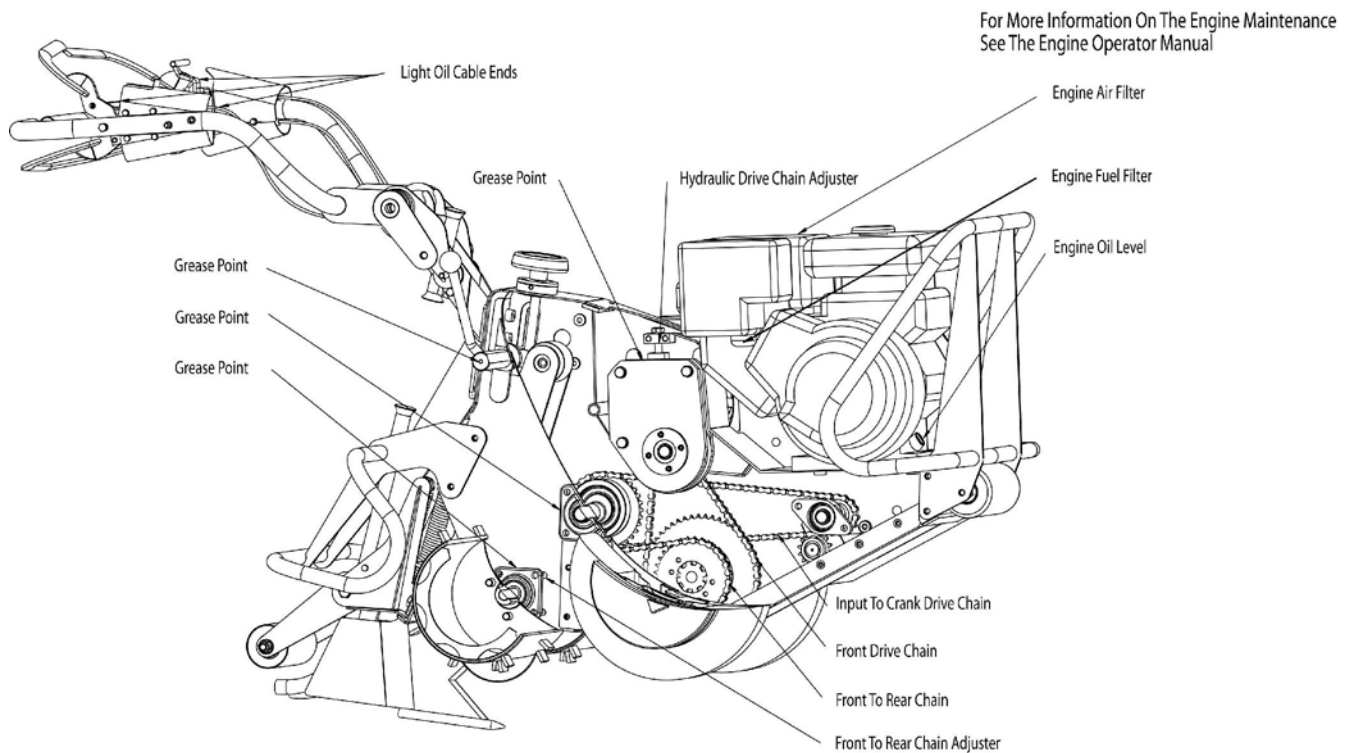
Daily Checks

Ensure that Hydraulic oil level is at the Max level on sight marks

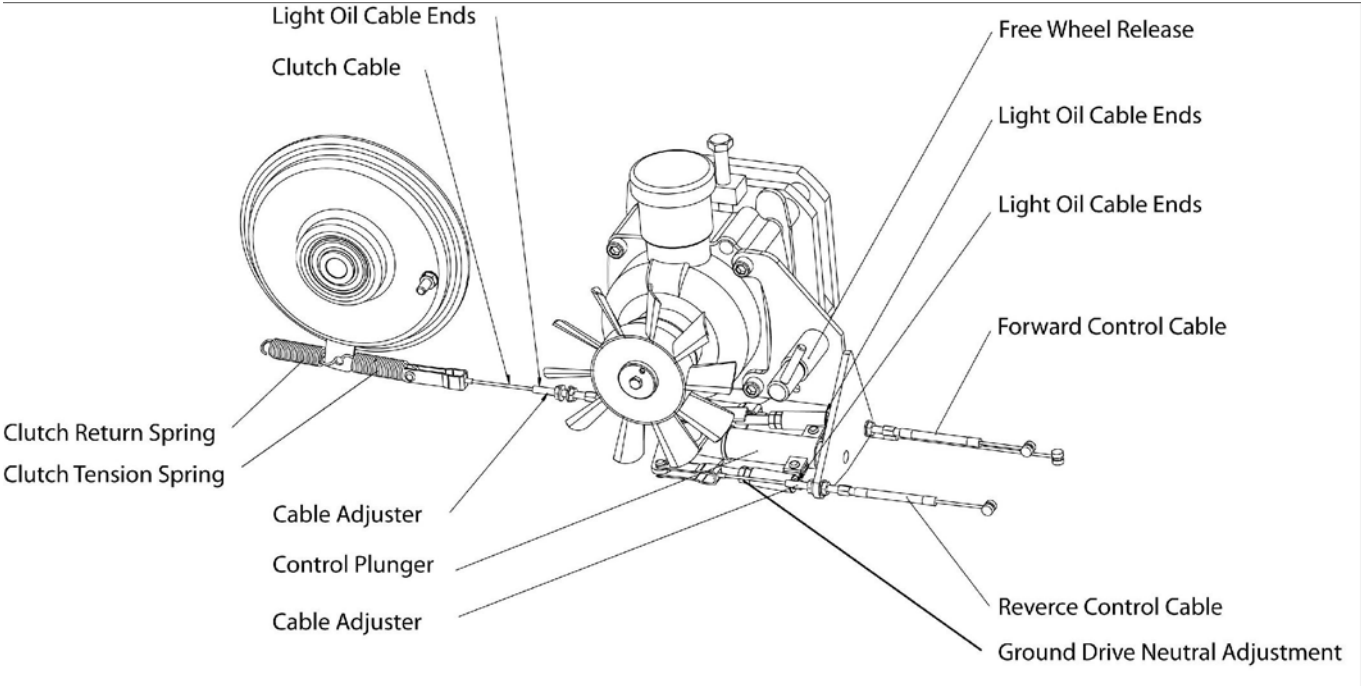
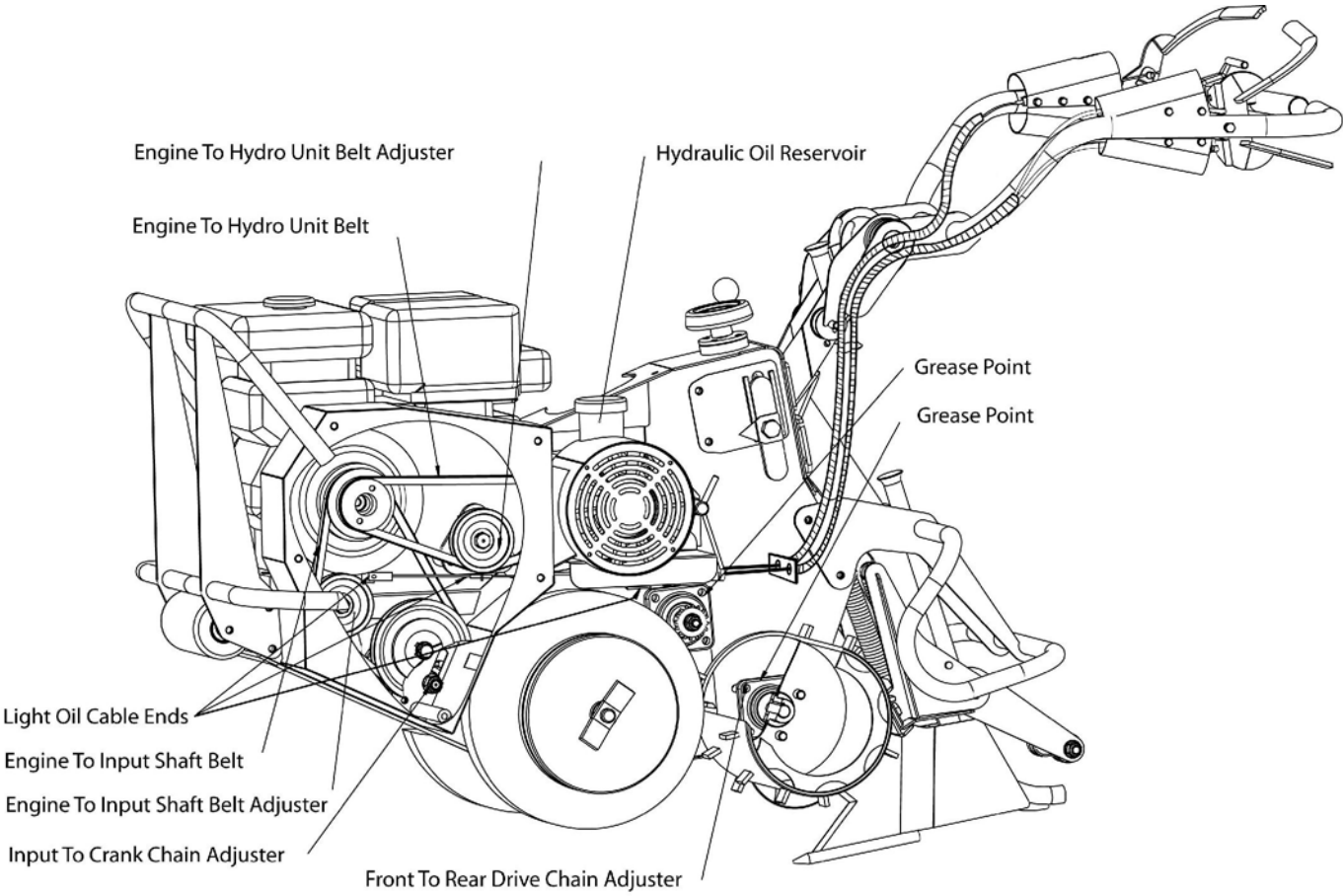


Check Engine oil level before commencing the days work

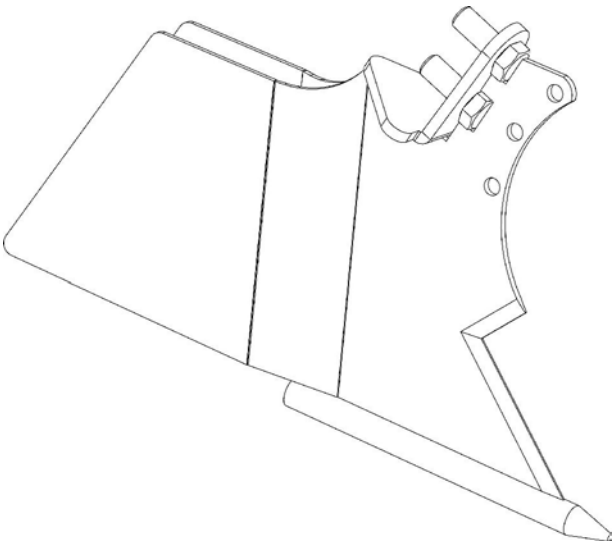
(Refer to Engine Operator Manual for information)



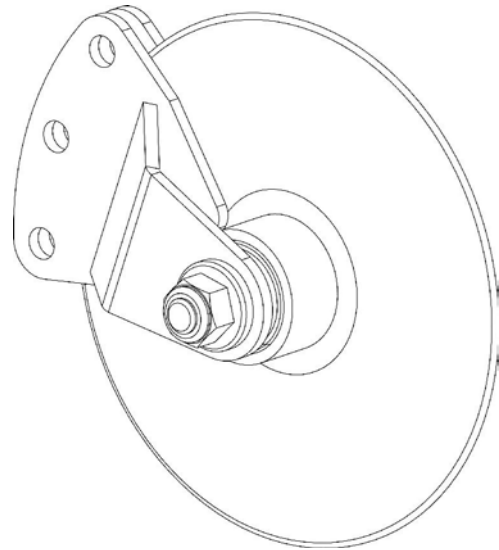
Routine Maintenance



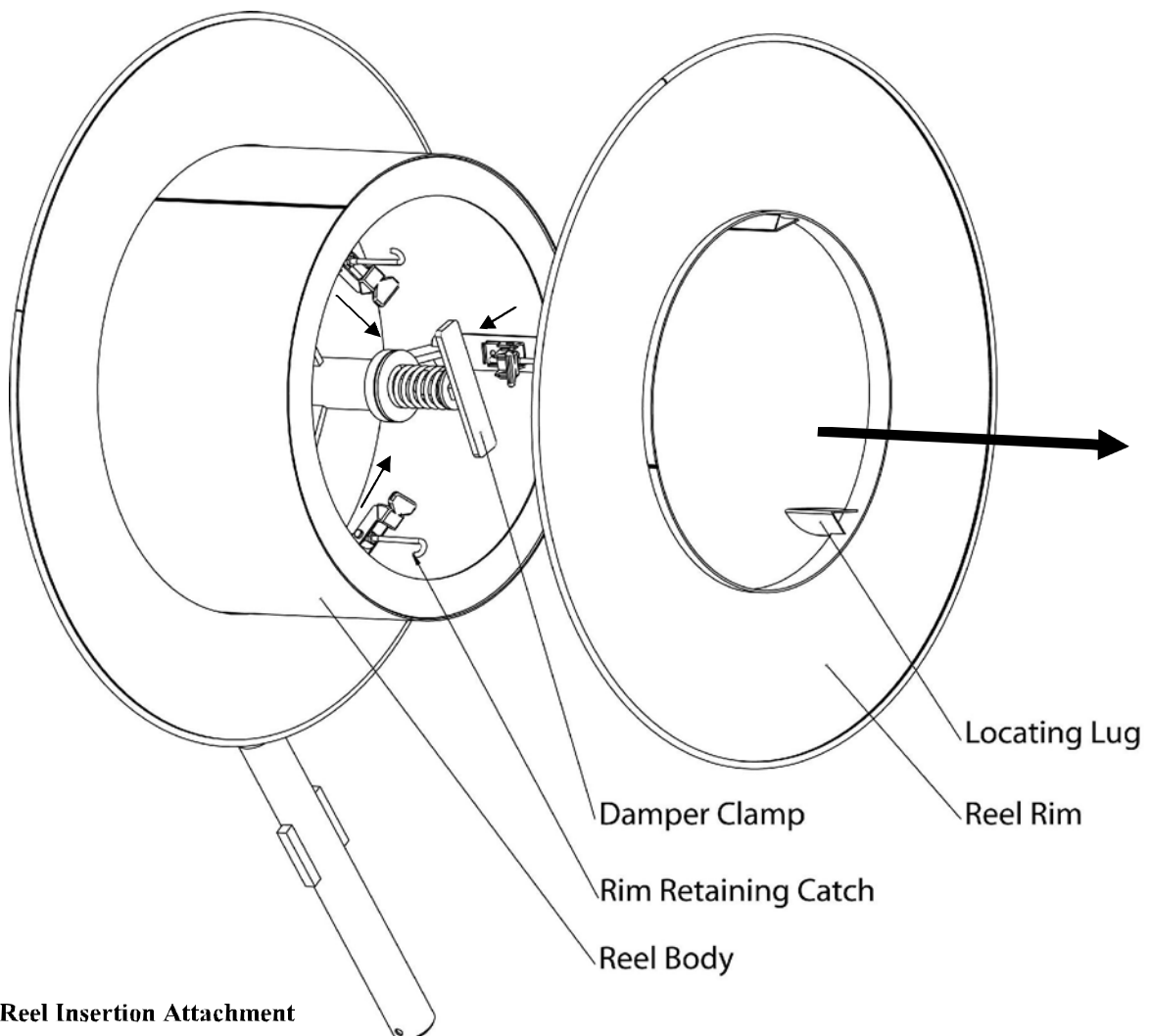
BLADES AND ACCESSORIES



TC IRR 901C Wedge Blade (Disc Type)

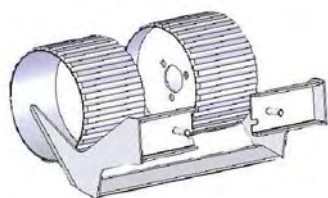


TC IRR 9002A Wedge Blade Disc Assembly



TC RIA Reel Insertion Attachment

BLADES AND ACCESSORIES

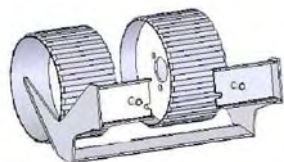


A Variety of Blades and Wheels are available for the TC HYD

18" (450mm) Blade
Wheels

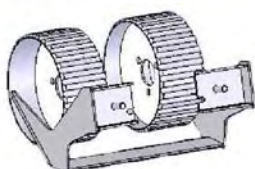
Part Number

TCSB18
TCDBW18



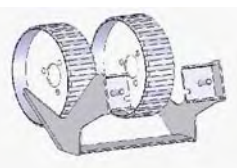
16" (400mm) Blade
Wheels

TCSB16
TCDBW16



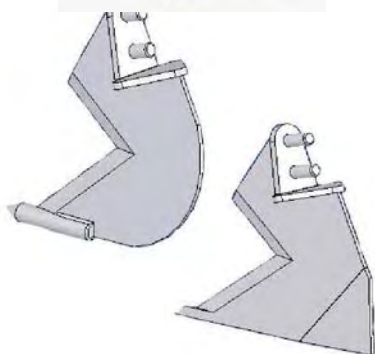
14" (350mm) Blade
Wheels

TCSB14
TCDBW14



12" (300mm) Blade
Wheels

TCSB12
TCDBW12



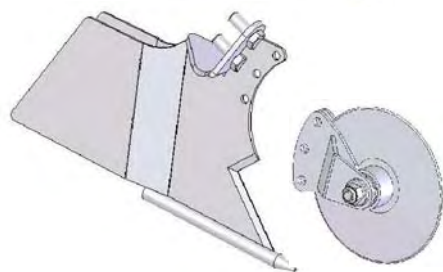
SINGLE BLADES REAR CENTRE MOUNTED

Mole Drainage Blade
125mm(5") depth

TCMD5

De-Compaction Sub-Plough
Blade 125mm(5") depth

TCSP5

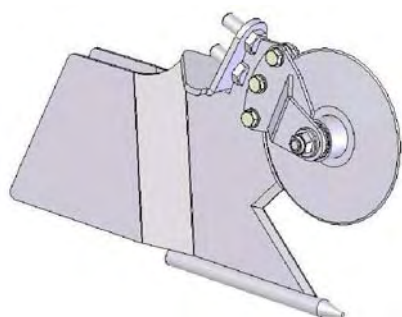


Wedge Blade (Disc Type)

TC IRR 9010C

Wedge Disc

TC IRR 9004



NOTE

Other specialist blades are available or can be manufactured to suit your requirements including, Slitting, Trenching and Narrow Sod Stripping for Revetting etc.

Contact Groundsman Industries Technical Department.

See the full range of Groundsman Products and Accessories Catalogue available free of charge.



See our
Online Catalogue
at www.groundsmanindustries.com

Internet

www.groundsmanindustries.com
info@groundsmanindustries.com

Telephone 

UK : 028 2766 7049

Int : +44(0) 28 2766 7049

Fax 

UK : 028 2766 6855

Int : +44(0) 28 2766 6855

Address

30 Ballybrakes Road
Ballymoney
Co. Antrim
Northern Ireland
United Kingdom
BT53 6LG

Uk & Ireland Distributor's
Ireland & Scotland
Groundsman Industries
Phone +44(0) 28 2766 7049
www.groundsmanindustries.com

England & Wales
Synergy Products Ltd
Phone +44(0) 1380 828 337
www.synergyproducts.co.uk

Ireland & Scotland
Groundsman Industries
Phone +44(0) 28 2766 7049
www.groundsmanindustries.com

England & Wales
Synergy Products Ltd
Phone +44(0) 1380 828 337
www.synergyproducts.co.uk

Other Country's

Please See The Links Page
On Our Web Site

**Please See The Links Page
On Our Web Site**

A background image of a large, modern building with a glass facade and a sign that reads "CITY OF CHICAGO". The image is overlaid with a grid of horizontal lines, suggesting a notebook or ledger page.

