

460 HD Operators & Parts Manual

TURF AERATORS

MODEL 460 HD

OPERATORS & PARTS MANUAL

See our
Online Catalogue
 at www.groundsmanindustries.com

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Leading the field in aeration technology

DELIVERY DATE

SERIAL NUMBER

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

The serial number of your Groundsman pedestrian operated Turf Aerator is located **on the 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

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SAFETY FIRST !

1. All GUARDS MUST BE CORRECTLY FITTED !

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 operate the machine with it in the raised position, always turn the engine switch to the **OFF** position. It is possible that petrol can leak through the filler cap if the tank is more than half full when the machine is in the raised position. Care should be taken not to spill fuel on greens or cause to ignite.

4. NEVER OPERATE THE MACHINE WITH ANY PARTS MISSING.

Check the machine regularly for loose or damaged parts. **Pay particular attention to the safety guards.** Always use genuine Groundsman Industries replacement parts in the interest of safety. Failures caused by the use of 'spurious' replacement parts will **NOT** be covered by our warranty, nor will any liability be accepted for damages of injury incurred.

5. NO LIABILITY WILL BE ACCEPTED in respect of machines modified without specific written permission of Groundsman Industries Ltd.

6. NO LIABILITY WILL BE ACCEPTED where injury or damage is caused by using the machine in any manner other than that detailed in this manual.

7. Always use the manual for quick and easy reference.

DO NOT START THIS MACHINE OR CARRY OUT ANY MAINTENANCE ON THIS MACHINE UNTIL YOU HAVE READ THE SAFETY PRECAUTIONS AS STATED ABOVE.

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 manufacturers 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 manufacturers part ceases. Provided always and the above warranty is subject to the following conditions:

- A. The manufacturers liability extents 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 manufacturers warranty does not extent 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 manufacturers 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 manufacturers 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 SPECIFICATIONS

TURF AERATORS

Model 460HD

Swath 600mm(24")

Weight 180kg (397 lbs)

Overall Dimensions:

Width 101cm (40")

Length 148cm (58")

Height 91cm (36")

Engine 8 HP Honda GX240

Drive Twin vee-belt and chain (O-Ring Sealed)

Mechanism Sealed bearing crank driven elliptical plunge action

Tyres Pneumatic 13-650 x 6 (Front Wheels Driven)

PERFORMANCE CHART

Aeration Pattern	Forward Speed	Coverage	Penetration
75mm (3") Centres	45m/min	1620m ² /hr	130mm max
(Twin Holder)	(49 yds)	(1960 sq yds)	(5") max

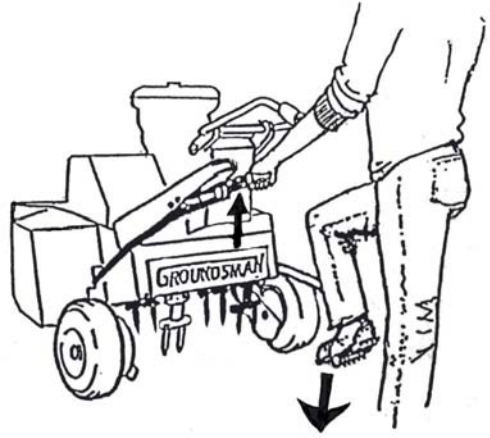
***NOTE**

Aeration patterns given are with twin holders. Triple, Quadra and Cluster holders give denser patterns accordingly.

Basic operating instructions

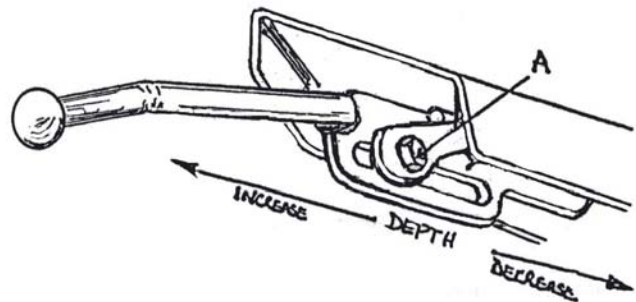
IN AND OUT OF WORK POSITIONS ALL MODELS

- (1) Press foot down on tread bar, lift depth set bar, then slowly releasing tread bar engage tines in work position ----- ground contact.
- (2) To take out of work, press foot down on tread bar until depth set bar engages with latch.



TO ADJUST THE TINGING DEPTH

- (1) Ensure the machine is in the raised out of work position.
- (2) Loosen clamp bolt A with a 19mm spanner.
- (3) Slide in the directions shown to achieve required depth.

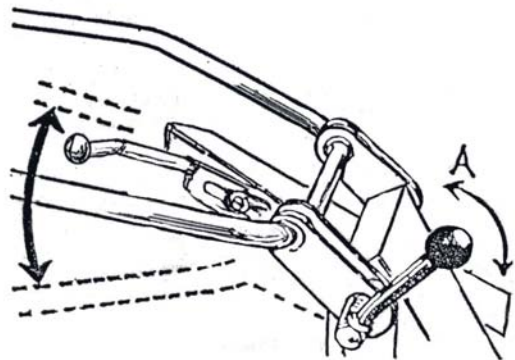


Note

The depth slide may be capable of being set beyond the maximum depth. For greater stability and traction do not set the depth slide deeper than the machine is capable of going in the given directions. The rear wheels should always remain firmly on the ground helping support the machine.

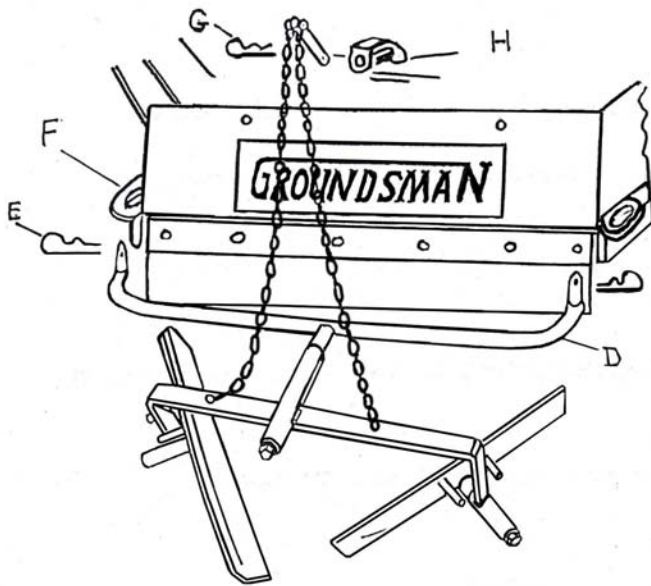
OPERATOR HANDLE ADJUSTMENT

- (1) Loosen lever A (Anti-clockwise)
- (2) Adjust handle to the desired height
- (3) Tighten up lever



MODEL 460HD

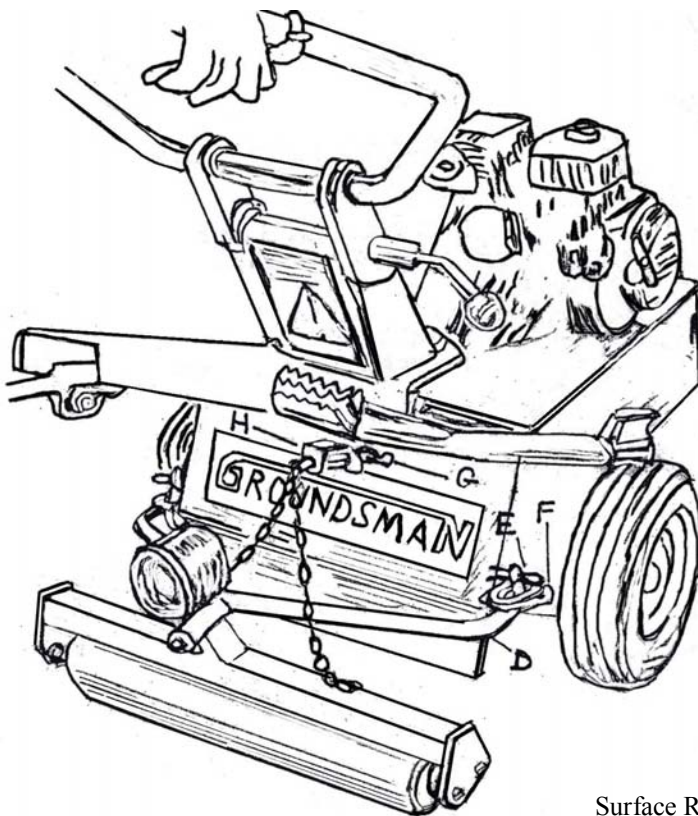
FITTING ACCESSORY ATTACHMENTS



Window Attachment

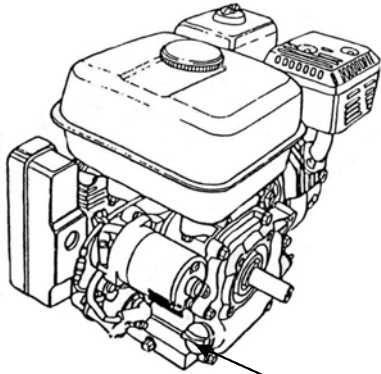
Fitting the windrow (Swath board) and surface roller attachments.

- (1)
Lower machine into the work position
- (2)
Lift attachment bar **D** into brackets **F** and fit springs-pins **E**.
- (3)
Place chain peg into top bracket **H** and fit spring-pin **G**



Surface Roller

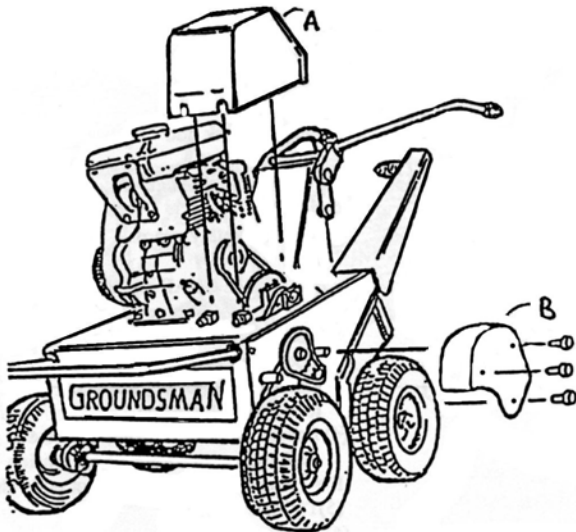
RUNNING MAINTENANCE



Oil Filler

ENGINE

Please refer to the Honda Owners Manual for instructions regarding engine maintenance.

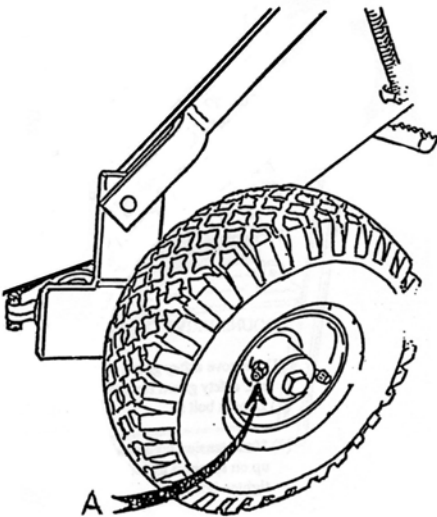


RUNNING MAINTENANCE

GUARD REMOVAL

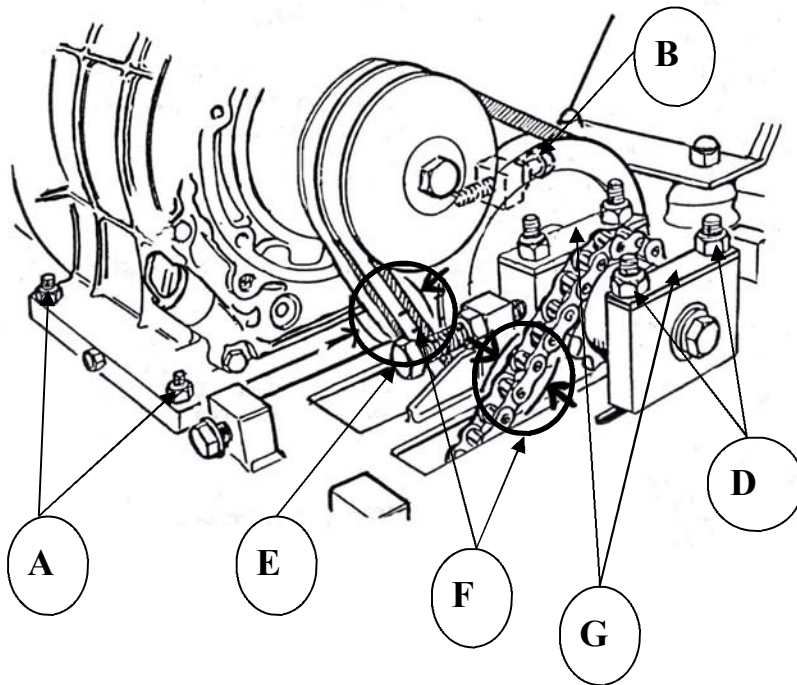
(1) Top guard **(A)**, loosen bolts, lift off slotted guard. Access to main drive chain and V belt. Using 17mm spanner provided.

(B) Ground drive chain guard remove bolts, remove guard. Using 17mm spanner provided.



REAR WHEEL GREASING POINT

(1) Apply general purpose grease at **A**. Check monthly.



MAIN V-DRIVE BELT REPLACEMENT

- (1) Remove safety guard A
(see guard removal Page 10)
- (2) Loosen nuts A and D
- (3) loosen lock-nuts and adjusting screws B and E
- (4) Slide engine and pulley shaft close together and remove belts.
- (5) Replace with Groundsman main drive belts.
- (6) Re-adjust belts and chain as per above instructions.
- (7) Replace safety guard.

MAIN DRIVE V-BELT ADJUSTMENT

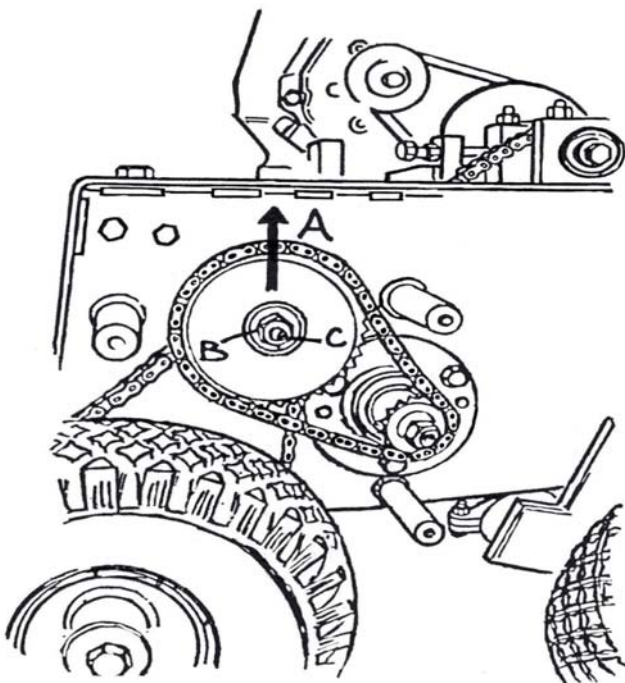
- (1) Remove safety guard.
(Ref. safety guard removal)
- (2) Loosen engine nuts A
- (3) Loosen lock nut on adjusting screw B .tighten adjusting screw to correct belt tension 10mm (ensure alignment of pulleys)
- (4) Tighten lock nut
- (5) Tighten engine nuts A
- (6) Replace safety guard.

MAIN DRIVE CHAIN ADJUSTMENT.

- (1) Follow procedures 1& 2 above.
- (2) Loosen nuts D
- (3) Loosen off adjusting screw B to release belt tension.
- (4) Loosen lock-nut on adjusting screw E & tighten to correct chain tension F = 10mm (ensure alignment of pulley shaft)
- (5) Tighten lock-nuts
- (6) Tighten nuts D.
- (7) Follow procedures 3-6 above
(Main drive Vee belt adjustment).

Note

Shims (G) GI025A & GI026A
Can Be Mounted Below The Pulley
Shaft Bearing Blocks If Extra Adjustment Of
The Main Drive Chain Is Required
Or Remain On The Top Of The Block
If Adjustment Is OK



GROUND DRIVE CHAIN ADJUSTMENT

- (1) Remove Safety guard
(ref safety guard removal)
- (2) Loosen bolt B
- (3) Hand tension both chains by pulling up on sprocket as indicated by arrow tighten bolt A
- (4) Lightly oil chains
- (5) Grease spindle via grease nipples C
- (6) Replace safety guard.

LONG TERM MAINTENANCE

The Tining Mechanism

All Models

Sealed for life bearings are used throughout the tining mechanism, they require no maintenance. These bearings are located on the crank-shaft and shackles towards the front of the machine. If high pressure washers are used avoid concentrating the nozzle directly at sealed bearings.

Rubber shock absorbing joints are used at the rear of the mechanism where the tines are located; they are not affected by grit or dirt and cannot be damaged by high-pressure washing.

Model 460HD

The only wearing parts on the mechanism is the lateral support block and the lateral wear shim (**fig 4**) These items seldom need attention however if side (lateral) movement at the tine holder exceeds 10mm (7/16") the following procedures should be allowed:

With reference to Fig. 4

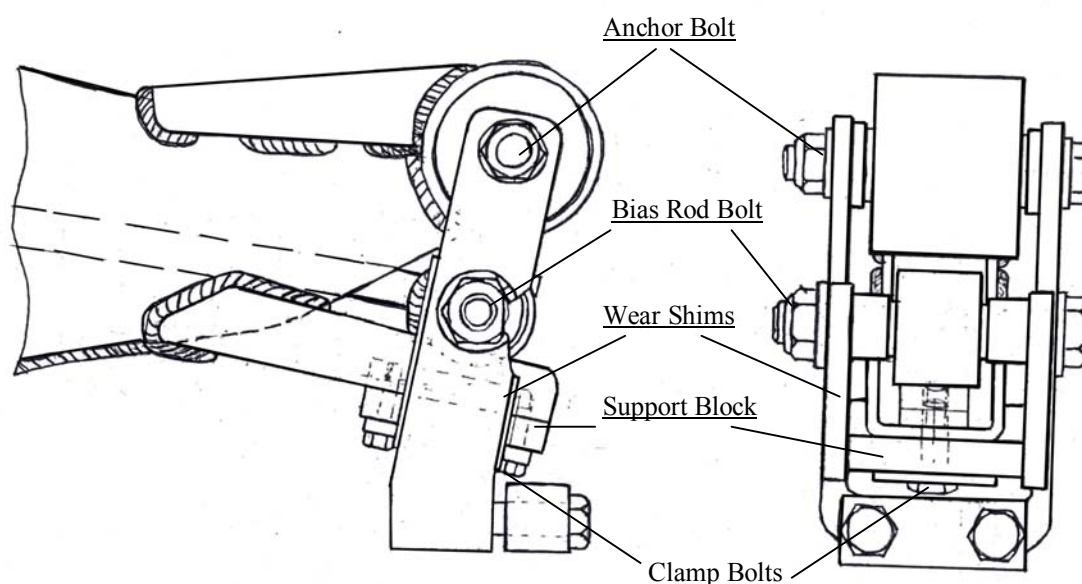
Slacken the anchor bolt and remove the bias-rod bolt.

Pivot the spigot-clamp body away from the assembly to expose the lateral support block. The wear shims will be released, these should be examined for wear and replaced if necessary.

Remove the two clamp bolts on the under side of the support block, rotate the block 90 degrees and refit.

If all four faces on the block have been used then replace it.

Fig 4



Introduction

HOW TO GET THE BEST FROM YOUR GROUNDSMAN

The increasing awareness of the importance of properly aerated greens has increased the demand for high performance equipment. It is for this reason that Groundsman Industries have undertaken four years of intensive research and development to produce a range of 'Fine Turf' aerators which excel in every department. It is important that every new owner should learn how to get the best results from their Groundsman.

MODEL 460HD

This range is available in Heavy Duty (HD). These fixed front wheel drive machines are general purpose, they are basic to operate and capable of a wide range of aeration tasks.

Changing the tine holders

The change over of tine holder's use the 19mm wrench or the T wrench supplied in the tool kit. See pages 7 & 8. In the case of the model **460HD** the machine can be tilted onto its nose to help access the tine holders. A level firm surface should be selected for this operation and the machine must be **SWITCHED OFF**.

Caution fuel will leak from the fuel tank filler cap in the forward tilted position if the tank is more than 2/3 filled.

Depth of aeration can be altered (page 6 middle diagram). The depth of penetration depends on the ground conditions, it is best when aerating hard ground e.g. a cricket table, that you start with low density holders i.e. twin holders using 7/16" or 3/8" diameter solid tines, set at half depth on the first trial and gradually lower until the machine shows signs of hopping, it is now aerating to the maximum penetration. Greater depths may be achieved on subsequent passes especially if the aerated surface has been watered and is given time to soak. Never set the machine deeper than it is capable of achieving in given conditions as it will lose the support of the rear wheels making the machine have less stability and traction. When starting off in work, lift up the operators handles to assist clutch-drive engagement and in the case of the 345HD machine, give more traction to the front wheels.

Windrow & Surface-roller attachments

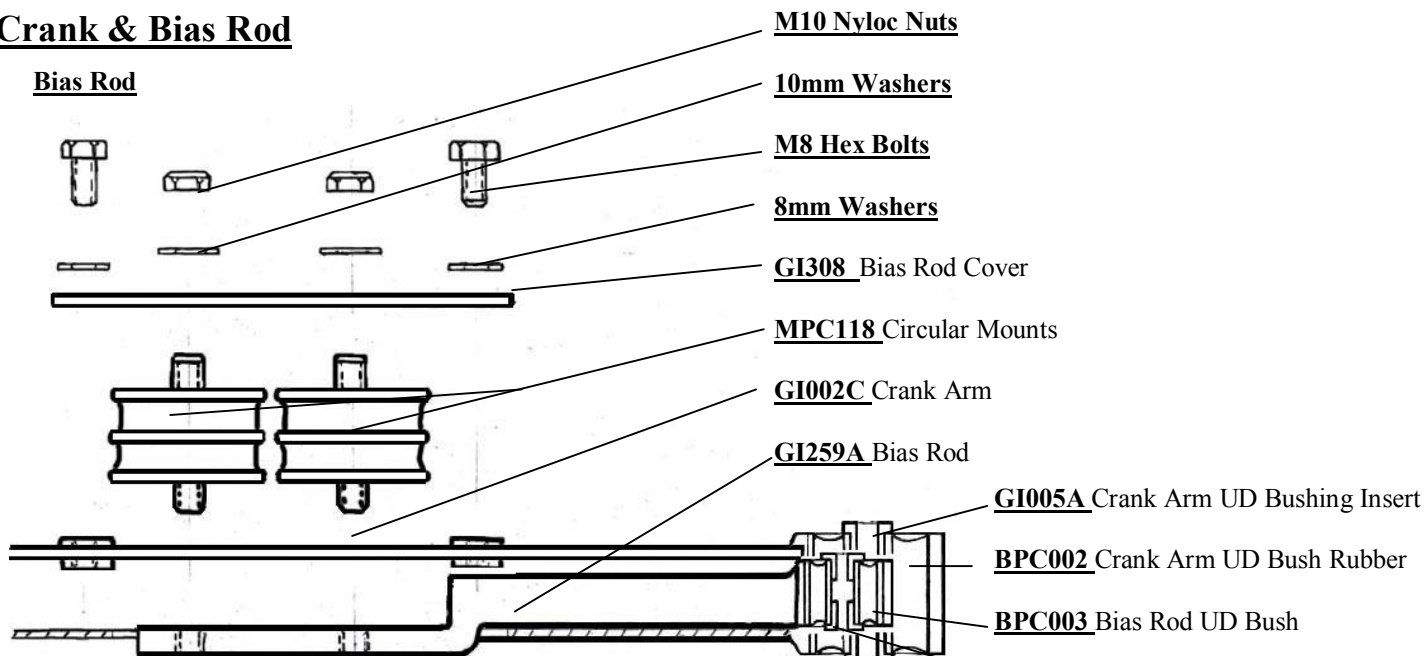
A windrow or surface-roller can be fitted to all models. The best use of these implements can be obtained on a fine turf surface, i.e., tightly mowed

NOTE

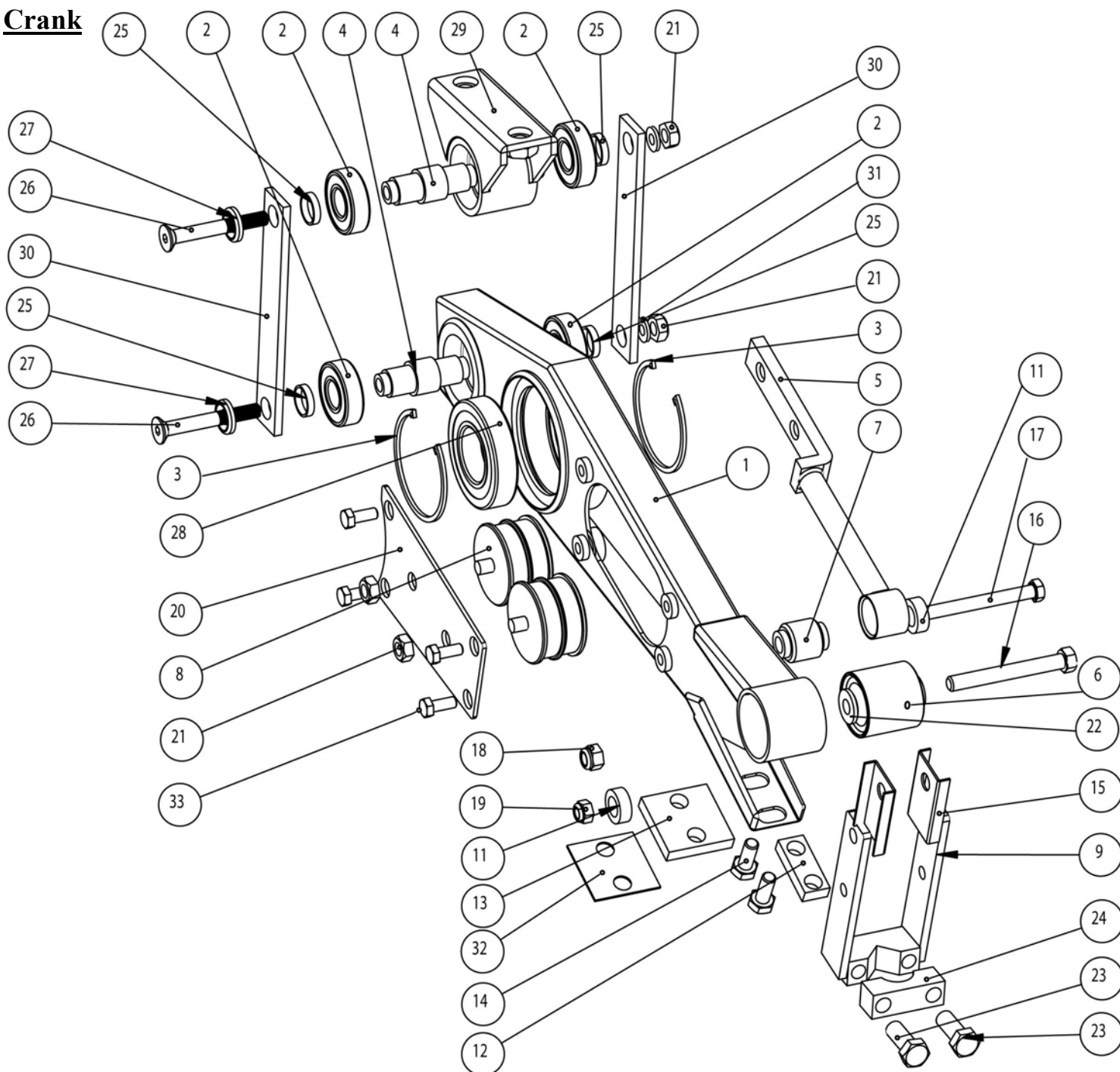
Consult your GROUNDSMAN TINE & HOLDER CATALOGUE for detailed descriptions of all available tines and holders, plus their recommended uses. This catalogue is supplied with the machine or available from Groundsman Industries free of charge.

Crank & Bias Rod

Bias Rod



Crank

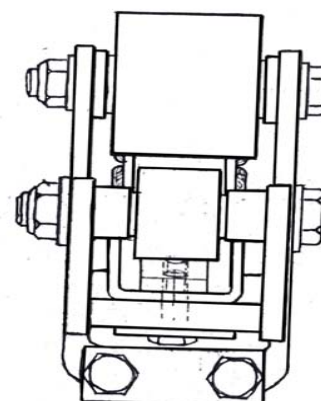
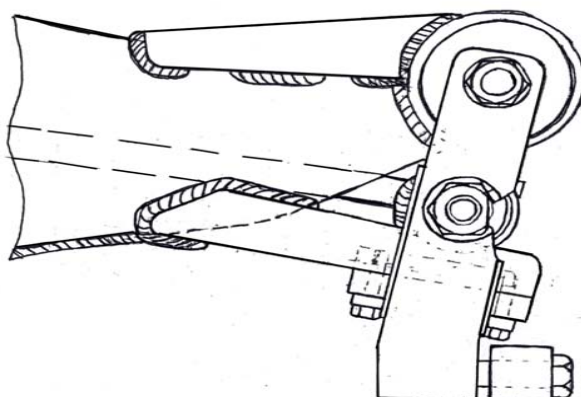
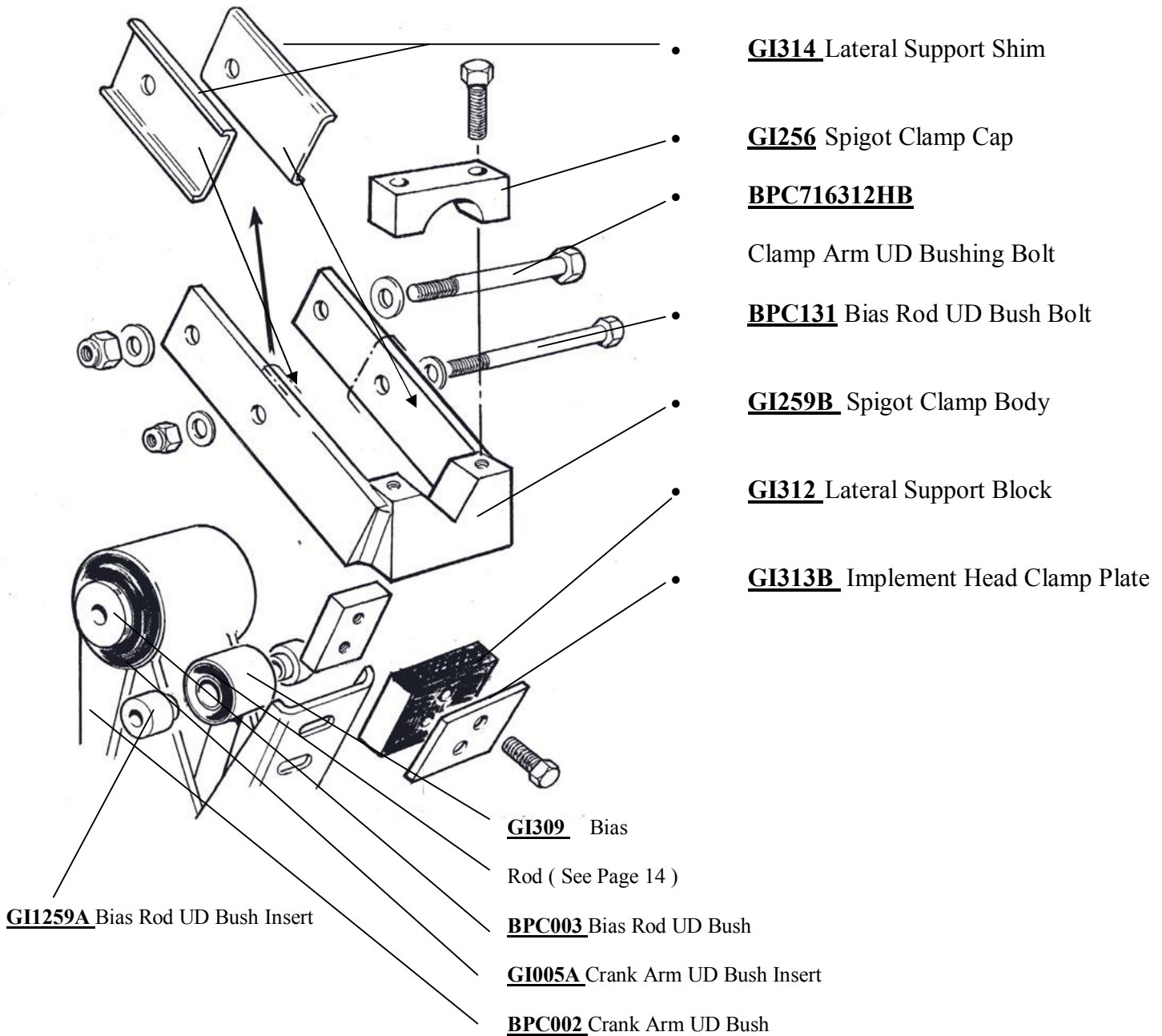


Crank Arm Parts List

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	GI002C	HD Crank Right
2	4	BPC027	Crank Bearing Rear
3	2	CPC018	Crank Centre Circlip
4	2	GI253	Shackle Bearing Spindle
5	1	GI309	Bias Rod
6	1	BPC002	PC UD Bush
7	1	BPC003	UD Bush Small Bias Rod
8	2	MPC118	Circular Mount
9	1	GI259B	SC Imp Head
11	2	GI259A	Bias Rod UD Spacer
12	1	GI313A	Clamp Block Implement Head
13	1	GI312	Lateral Support Block
14	2	BPC0830S	Bolt
15	2	GI314	Lateral support shim
16	1	BPC716312HB	Hex Head Bolt
17	1	BPC38312HB	Hex Head Bolt
18	1	NPCF716NYT	Nylock NUT
19	1	NPCF38NY	Nylock NUT
20	1	GI308	Bias Rod Cover
21	4	NPC10NYT	Nylock NUT Slim
22	2	GI005A	UD Bush Insert
23	2	IPC007	Implement Head Bolt
24	1	GI256	Implement Head Clamp Cap
25	4	GI033	Shackle Spacer
26	2	BPC005	Shackle Bolt C/Sunk
27	2	WAS10CK	Counter Sunk Washer
28	1	BPC110	Crank Centre Bearing
29	1	GI027B	Shackle Anchor Bearing Block
30	2	GI006	Shackle Plate
31	1	WAS10H	Heavy Washer
32	1	GI313B	Clamp Plate Implement Head
33	4	BPC0816S	Bolt

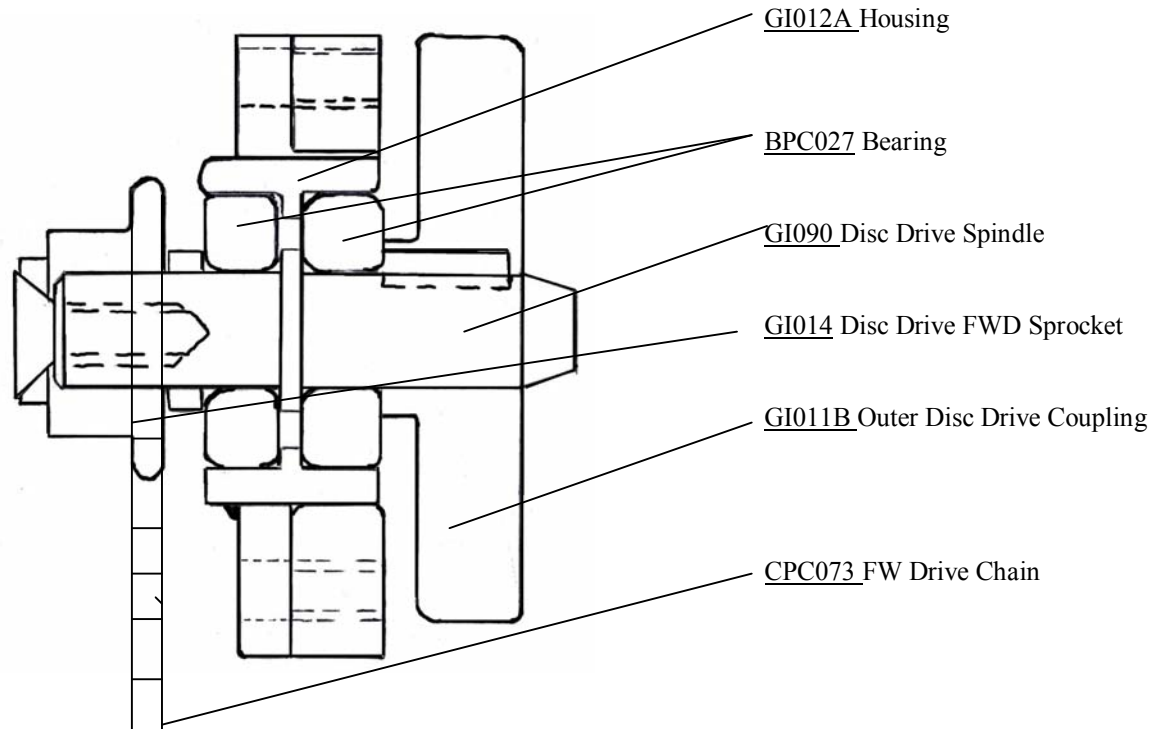
IMPLAMENTHEAD

Fig 1



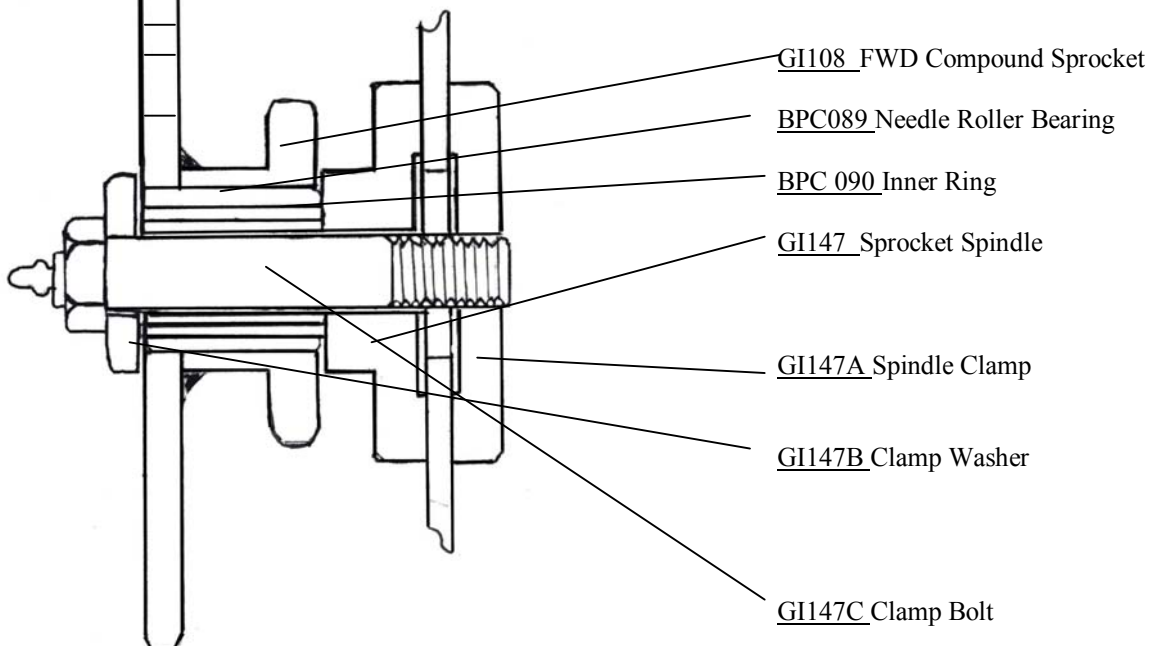
GI194 Disc Drive Assy

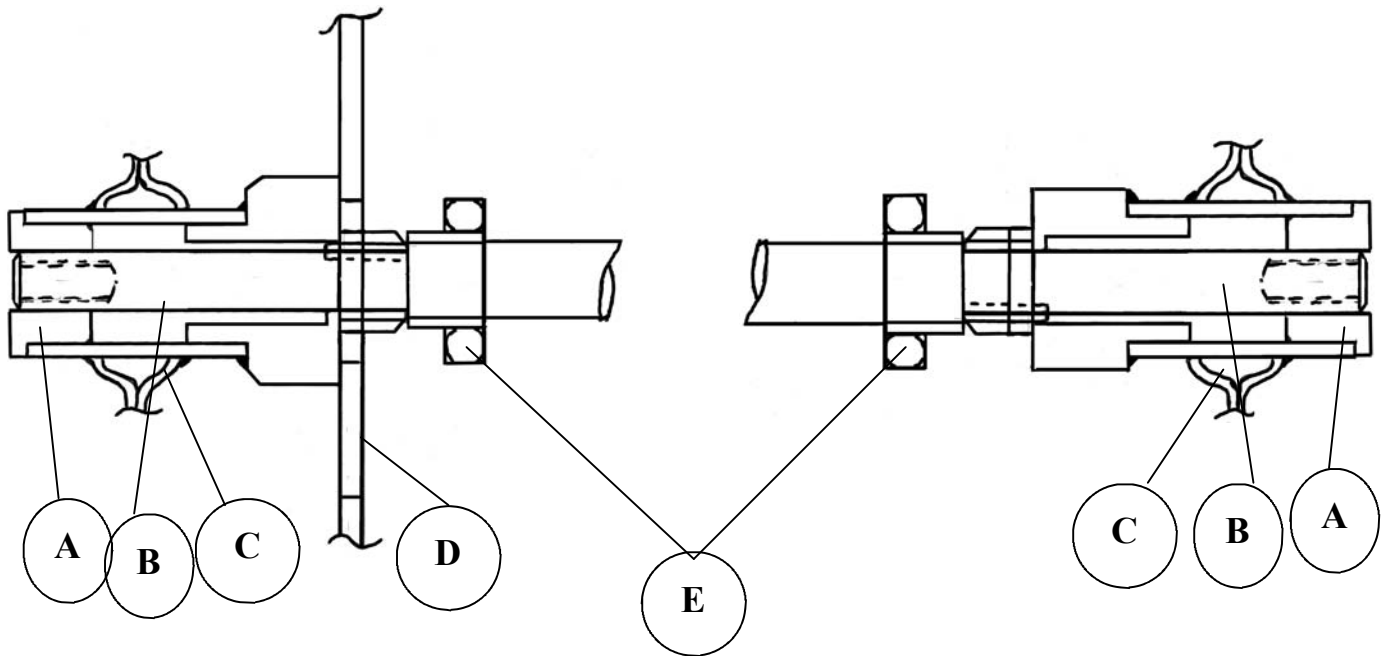
Disc Drive Assembly



GI196B Compound Sprocket Assy

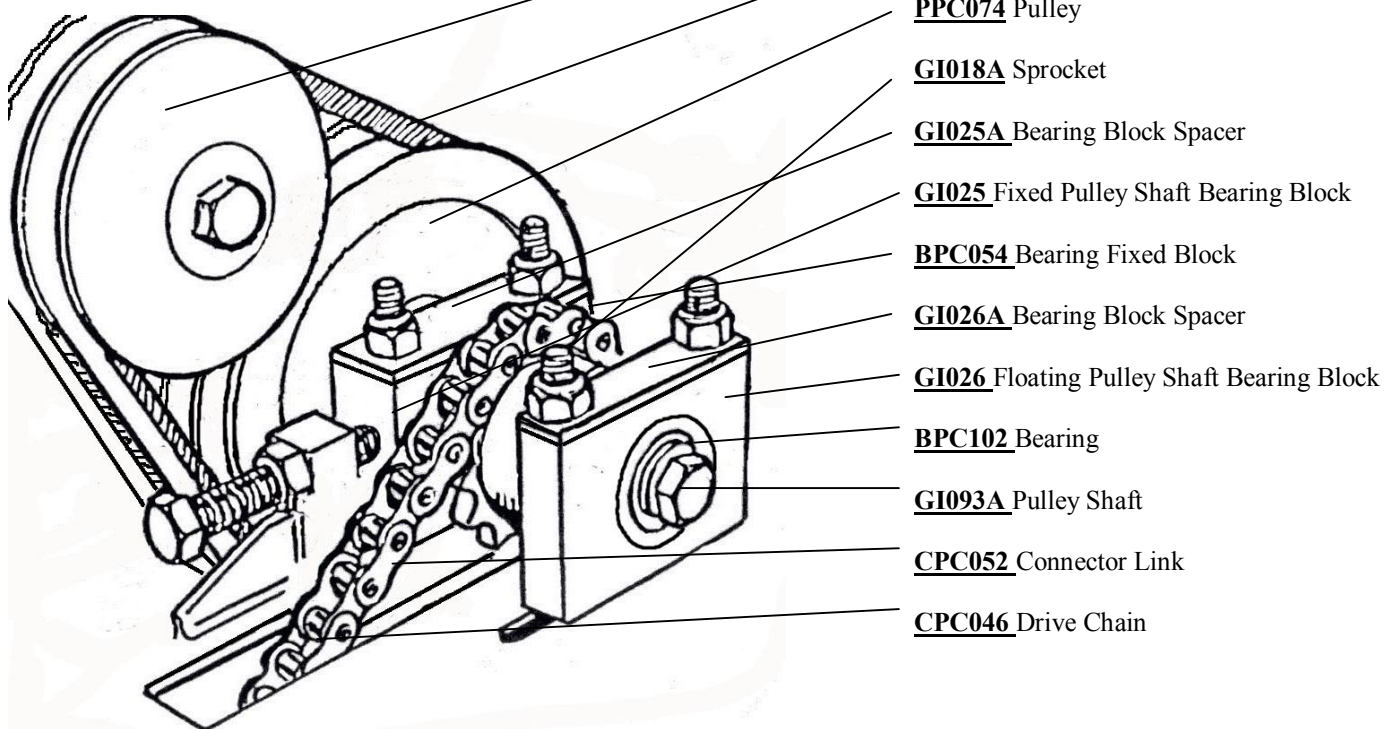
Compound Sprocket GI196B





- | | | |
|--|--|---|
| A <u>GI146</u> Front Wheel Retainer | C <u>GI145A</u> Wheel | E <u>BPC109</u> Front Axle Bearing
<u>SUPPLIED WITH HOUSING</u> |
| B <u>GI165A</u> Front Axle | D <u>GI169B</u> Front Axle Sprocket | |

GI503 Pulley Shaft Assembly



- CPC072 Clutch
- BPC114 Drive Belt
- PPC074 Pulley
- GI018A Sprocket
- GI025A Bearing Block Spacer
- GI025 Fixed Pulley Shaft Bearing Block
- BPC054 Bearing Fixed Block
- GI026A Bearing Block Spacer
- GI026 Floating Pulley Shaft Bearing Block
- BPC102 Bearing
- GI093A Pulley Shaft
- CPC052 Connector Link
- CPC046 Drive Chain

Tine Holders

PART NO	DESCRIPTION
SC212	TWIN TINE HOLDER 1/2 SOCKET
SC258	TWIN TINE HOLDER 5/8 SOCKET
SC278	TWIN TINE HOLDER 7/8 SOCKET
SC234	TWIN TINE HOLDER 3/4 SOCKET
SC312	TRIPLE TINE HOLDER 1/2 SOCKET
SC358	TRIPLE TINE HOLDER 5/8 SOCKET
SC334	TRIPLE TINE HOLDER 3/4 SOCKET
SC412	QUADRA TINE HOLDER 1/2 SOCKET
SC458	QUADRA TINE HOLDER 5/8 SOCKET
SC512	QUINT TINE HOLDER 1/2 SOCKET

TINES**ALL TINES ARE MADE FROM HARDENED STEEL**

PART NO:	DESCRIPTION
12S14	CLUSTER HEAD
12S516	CLUSTER HEAD
12SD516	CLUSTER HEAD
6S14	CLUSTER HEAD
6S38	CLUSTER HEAD
6S516	CLUSTER HEAD
6SD12	CLUSTER HEAD
6SD38	CLUSTER HEAD
6SD516	CLUSTER HEAD
8S14	CLUSTER HEAD
8S38	CLUSTER HEAD
8S516	CLUSTER HEAD
8SD38	CLUSTER HEAD
8SD516	CLUSTER HEAD
GTH12	1/2 HOLLOW TINE
GTH12L	1/2 HOLLOW TINE LONG
GTH34	3/4 HOLLOW TINE
GTH34L	3/4 HOLLOW TINE LONG
GTH58	5/8 HOLLOW TINES
GTH58L	5/8 HOLLOW TINES LONG
GTS12	1/2 SOLID TINE
GTS12L	1/2" SOLID TINE (LONG)
GTS14	1/4" SOLID TINE
GTS14L	1/4" SOLID TINE (LONG)
GTS34	SOLID TINES
GTS38	3/8 SOLID TINE
GTS38L	3/8" SOLID TINE (LONG)
GTS516	5/16 SOLID TINE
GTS516L	5/16" SOLID TINE (LONG)
GTS58	5/8 SOLID TINE
GTS58L	5/8" SOLID TINE (LONG)
GTS716	7/16 SOLID TINE
GTS716L	7/16" SOLID TINE LONG
GTSD12	1/2 HOLLOW TINE
GTSD34	3/4 HOLLOW TINE
GTSD38	3/8 HOLLOW TINES
GTSD516	5/16 SD HOLLOW TINES
GTSD58	5/8 HOLLOW TINES
GTSL1	1in SLITTING TINE
GTSL112	1 1/2 SLITTING TINE
GTSL1L	1" SLITTING TINE (LONG)
GTST12	1/2" STAR TINE WITH 1/2" SOCKET
GTST12L	1/2" STAR TINE LONG WITH 1/2" SOCKET
GTST58	5/8" STAR TINE WITH 5/8" SOCKET
GTST58L	5/8" STAR TINE LONG WITH 5/8" SOCKET

Spare Parts

PART NO	DESCRIPTION
BPC002	BUSH CRANK ARM UD
BPC003	BUSH BIAS ROD UD
BPC004	CRANK ARM UD BUSH C/W INSERTS
BPC005	BOLTS C/SUNK SCK/HD SHACKLE M10
BPC006	BEARING CLUTCH
BPC008	BELT MAIN DRIVE
BPC018	BOLT UNF HEX . M. 1/2"
BPC019	BOLT M8 HT HEX . S.
BPC020	BOLT UNF HEX . M. 7/16"
BPC021	BOLT UNF HEX . S. 7/16"
BPC027	BEARING
BPC035	BOLT. M HT HEX M10
BPC036	BOLT. M HT HEX M12
BPC037	BOLT. M HT HEX M8
BPC038	BOLT.S HT HEX M10
BPC039	BOLT. S HT HEX M12
BPC054	BEARING
BPC078	BEARING REAR WHEEL ROLLER
BPC089	BEARING NEEDLE
BPC090	BEARING INNER RING
BPC091	COMPOUND CLAMP BOLT
BPC093	BEARING CRANK MAIN
BPC094	PULLY SHAFT BEARING
BPC102	BEARING
BPC105	BEARING
BPC110	BEARING CRANK-ARM
BPC117	BEARING NEEDLE ASSMY FWD COMPOUND SPKT.
BPC119	FLEX HANDLE UD BUSH
BPC127	BOLT ANCHOR HT HEX. HD 9/16"
BPC128	M8 HT HEX BOLT.S.
BPC129	LANC. CLUTCH BEARING
CPC014	CLUTCH SPRING
CPC046	MAIN DRIVE CHAIN 1/2"
CPC051	CONNECTOR LINK 1/2"
CPC059	CONNECTOR LINK 3/8"
CPC071	F W DRIVE CHAIN 3/8"
CPC073	F W DRIVE CHAIN
CPC077	CLUTCH
CPC081	CLUTCH SHOE (PAIR)
CPC083	O/R MAIN DRIVE CHAIN 1/2"
CPC088	O RING CONNECTOR LINK 1/2"
CPC101	COMP DRIVE CHAIN
DPC001	DISC DRIVE (RUBBER)
EPC001	EXHAUST DEFLECTOR
GI0013HD	THREE ARM HD CRANK ASSY (Minus Imp. Heads)
GI0013HDC	THREE ARM HD CRANK UNIT C/W IMP. HEADS
GI003H	HD CRANK ARM ASSY (minus imp legs)
GI008A	GEAR-SIDE CRANK
GI008B	OFF-SIDE CRANK

Spare Parts

PART NO	DESCRIPTION
GI009A	GEAR-SIDE CRANK HUB
GI009B	OFF-SIDE CRANK HUB
GI011A	INNER DISC DRIVE COUPLING
GI011B	OUTER DISC DRIVE COUPLING
GI014	DISC DRIVE FWD SPROCKET
GI018B	PULLY SHAFT SPROCKET
GI025	FIXED PULLY SHAFT BEARING BLOCK
GI026	FLOATING P/S BRG BLOCK
GI027E	SHACKLE ANCHOR BRG BLOCK ASSMY
GI027G	SHACKLE ANCHOR BEARING BLK. L B
GI033	SHACKLE SPINDLE SPACER
GI034	SPACER 25mm
GI045B	STUB AXIL
GI053	IRWF SPLIT BUSHING
GI055B	REAR WHEEL FRAME
GI057B	D S LATCH PIN
GI058AB	DEPTH SET BAR LOWER HD
GI059	DEPTH SET BAR UPPER HD
GI060	DEPTH SET STOP ASSMY
GI068B	SHACKLE BEARING FLANGE HOUSING
GI071A	UNDER CHAIN GUARD
GI090	DISC DRIVE SPINDLE
GI093	SHAFT PULLY
GI098	T.B. CLAMP BUSH
GI105C	SWATHBOARD CHAIN BKT
GI105F	SWATHBOARD Y BAR
GI106E	TEE BAR
GI108	FWD COMPOUND SPROCKET
GI146	FRONT WHEEL RETAINER
GI146B	FRONT WHL. & HUB
GI147	COMPOUND SPRKT SPINDLE
GI147A	COMPOUND SPRKT SPINDLE CLAMP
GI147B	FWD COMPOUND SPRKT CLAMP WASHER
GI147C	FWD COMPOUND SPRKT CLAMP BOLT
GI163B	FRONT WHL. & SPRT HUB
GI165A	FRONT AXIL
GI166	CRANK-ARM BEARING FLANGE
GI169B	FRONT AXIL SPROCKET
GI171	THREADED BLOCK
GI196B	COMPOUND SPINDLE ASSMY
GI218C	BRAKE/STEER HANDLE
GI222	TREAD BAR
GI229A	OPERATOR HANDLES
GI253	SPINDLE SHACKLE
GI255	SHACKLE SHOCK/BRG ASSY
GI256	SC HOLDER CLAMP CAP
GI259B	SPIGOT CLAMP BODY
GI269	MACHINE TIE DOWN BRKTS
GI309	IMPLEMENT BIAS-ROD
GI312	LATERAL SUPPORT BLOCK
GI313A	IMP.HEAD CLAMP BLOCK
GI313B	IMP.HEAD CLAMP PLATE

Spare Parts

PART NO	DESCRIPTION
GI314	LATERAL SUPPORT SHIM
GI318	DRIVE KEY
GI500A1	CRANK-ARM BRG FLANGE ASSY
GI503A	SHAFT PULLY ASSEMBLY COMPLETE
GI519	SHACKLE BRG FLANGE ASSEMBLY
KPC070	6mm DRIVE KEY
MPC118	HANDLE/BIAS-ROD RUBBER MOUNTING
MPC119	RUBBER ENGINE & HANDLE MOUNT
NPC102	NYLOC M NUTS
NPC103	HEX ANCHOR NUT 9/16" HT
OPC095	ENGINE OIL
PCP098	GREEN TOUCH UP PAINT
PCS001	SPANNER 19mm
PPC011	PLASTIC NUT CAPS
PPC066	GROMMET 1"
PPC067	HANDLE GRIPS
RPC033	RETROFIT CLUTCH
SPC004	HONDA IGNITION SWITCH FOR MODEL
SPC018	DS LATCH SPRING
SPC065	B/S STICKER
SPC116	SPARK PLUG
SPC117	OIL ALERT SWITCH
TPC012	THROTTLE LEVER
TPC013	THROTTLE CABLE
TPC099	TUBE 135006
TPC100	TYRE 135006
TPC119	THROTTLE LEVER CLAMP
TPC120	THREADLOCK
WPC016	WHEEL ASSMY 13-500-6-1 in RB
WPC041	FLAT WASHER

TROUBLE SHOOTING

Problem

Possible Solution

Engine won't start.

Check ignition switch is on.
Check fuel level.
Check oil level (oil alert engines).
Clean and gap spark plug.

Engine chugs and smokes.

Turn choke off.
Drain and refill with fresh fuel.
Clean or replace the air filter.

No power, clutch slips under load.

Pull the throttle lever all the way up.
Adjust the throttle cable to increase engine speed (see engine manual).

Machine pulls to the right or left.

Check tyre pressures (18 psi).

Machine vibrates and lacks traction.

Depth adjustment set too deep.

Tines catch the ground when the machine in the raised out of work position.

Adjust the raised out of work set position give more ground clearance (16mm thread in front of depth set slide, page 6)

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