





INSTRUCTION MANUAL

INTRODUCTION

Introduction

These instructions must be read by any person intending to use or service the machine.

Purpose of use

This equipment is expressly designed and intended for use for the shearing of sheep, goats and animals of the Camelidae family.

The machine should be used in a tidy, dry environment.

Contents

Electrical Safety	3
Mounting	4
Attaching flexible drive	5
Attaching solid drive	6
Attaching handpiece	7
Lubricating flexible driveshaft	8
Lubricating solid driveshaft	9
Troubleshooting	10
Wiring diagram	11
Motor - parts list	12
Motor - technical drawing	13
Solid driveshaft - technical drawing	14
Flexible driveshaft - technical drawing	15
Technical data	16

ELECTRICAL SAFETY



Important safety information

It is recommended that an GFCI (circuit breaker) is always used with this machine.

The machine is supplied with a moulded on power plug. If for any reason the plug needs replacing always rewire the plug as follows:

Black wire to terminal marked 'L' or 'live' White wire to terminal marked 'N' or 'Neutral' Green wire to terminal marked 'E' or _____

When the machine is not in use, even for a short period of time, isolate the power to the machine to avoid inadvertent switching on of the machine by either humans or animals.

It is recommended the machine is serviced and checked for electrical safety (PAT Tested) by a competent person annually.

Do not use the machine in wet conditions.

Always ensure the electrical cable is fixed securely and out of the way of any potential hazards.

Do not use extension leads of excessive length.

MOUNTING

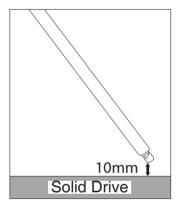
Secure fixing

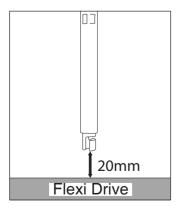
The machine should be fixed securely when in use:

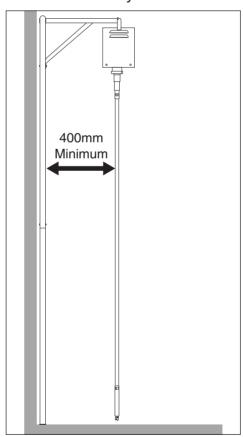
- This prevents damage to the electric flex and avoids electrical hazards
- Allows the spring to operate correctly when using a solid drive

Mount the machine so that the flexible drive is 20mm clear of the floor or for solid drives, 10mm clear of the floor.

Driveshafts should be set at least 400mm away from the wall.

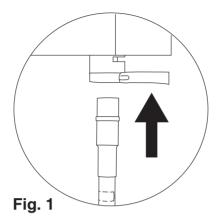




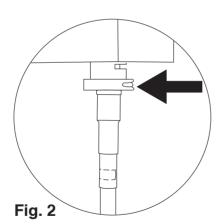


ATTACHING DRIVE

Flexible driveshaft



Make sure the EasyDrive clamp is in the open position (Fig. 1) and then push up the outer driveshaft into the base casting of the machine until the top fitting reaches it shoulder stop (Fig. 2).

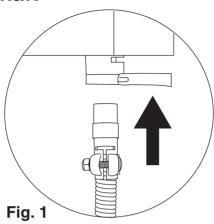


Close the EasyDrive clamp to secure the outer drive in position, the inner drive connects automatically.

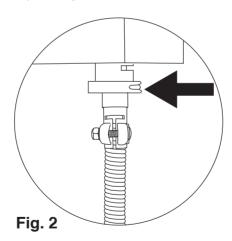
Be sure the outer driveshaft is clamped tightly, the clamp can be adjusted by screwing the clamp lever in or out before closing the clamp lever.

ATTACHING DRIVE

Solid driveshaft



Make sure the EasyDrive clamp is in the open position (Fig. 1) and then push up the long tube and spring into the base casting of the machine until the top fitting reaches it shoulder stop (Fig. 2).



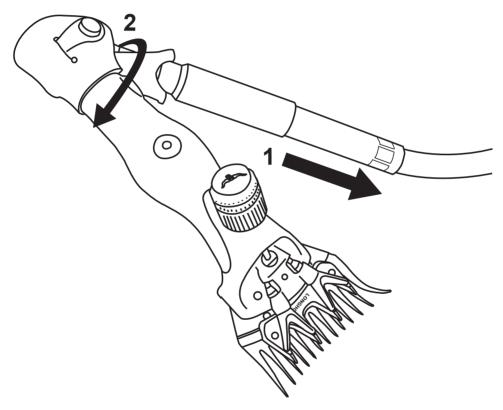
Close the EasyDrive clamp to secure the outer drive in position, the inner drive connects automatically.

Be sure the driveshaft is clamped tightly, the clamp can be adjusted by screwing the clamp lever in or out before closing the clamp lever.

ATTACHING HANDPIECE

For pin drive machines

- Hang the machine up and attach the driveshaft
- Make sure the machine is turned off
- Push the handpiece onto the drive firmly
- Rotate clockwise, once you feel the handpiece locate into the bayonet, rotate another full time.



For worm drive machines

- Make sure the machine is turned off
- Push the handpiece onto the driveshaft firmly
- Rotate clockwise

FLEXI DRIVE LUBRICATION

Oiling the driveshaft

Frequency: after every 4 hours of use

Directions

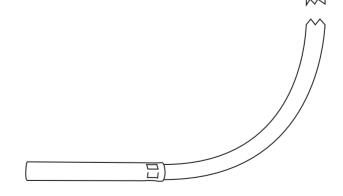
- · Remove the handpiece and the driveshaft
- Add oil into the top of the driveshaft
- Re-fit driveshaft to the machine

Greasing the driveshaft

Frequency: After every 40 hours of use or annually

Directions

- Remove the handpiece and the driveshaft
- Unscrew the top EasyDrive male fitting
- Unscrew the bottom bayonet fitting
- Pull the inner drive from the top of the outer drive
- · Grease inner whilst feeding back into the outer
- · Re-fit the bayonet end
- Re-fit the EasyDrive male fitting
- Attach driveshaft to the machine



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SOLID DRIVE LUBRICATION

Oiling the driveshaft

Frequency: After every 4 hours of use

Directions

- · Remove the handpiece and the driveshaft
- Add oil into the top of the driveshaft (1)
- Add oil into the top of the long tube (2)
- Oil the elbow cogs (3)
- Oil the holes in the elbow joints (4 + 5)
- Add oil into the oil hole on the short tube (6)

Greasing the driveshaft

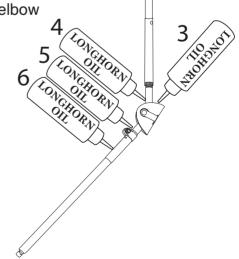
Frequency: After every 40 hours of use or annually

Directions (long gut)

- Unscrew the ferule from the solid elbow
- · Unhook the long gut from the eye spindle
- Remove the long gut
- Refit the long gut whilst applying grease
- Hook the long gut onto the eye spindle
- · Screw the ferule back onto solid elbow

Directions (short gut)

- Slacken the clamp on short tube
- Remove the short tube
- Grease the short gut
- Refit short tube
- Tighten clamp



TROUBLESHOOTING

Problem	Cause	Solution	
	Damaged electric flex	Have electric flex replaced	
Motor does not start	Faulty switch	Have switch replaced	
	Burnt out motor	Have motor replaced	
Motor struggles to start or runs slowly	Faulty capacitor	Have capacitor replaced	
	Faulty bearings	Have bearings replaced	
Motor is noisy	Damaged cooling fan	Have cooling fan replaced	
	Debris in the cooling fan	Remove debris or have machine serviced	
	Lack of lubrication	Oil or grease the inner drive	
Flexi drive is noisy	Damaged/worn inner drive	Replace inner drive	
	Lack of lubrication	Oil or grease the guts	
Solid drive is noisy / vibrates	Damaged/worn guts	Replace affected gut	
	Dry spot on eye spindle	Have solid drive serviced	
Cannot connect	Worn or broken bayonet/worm end	Replace bayonet/worm end	
handpiece	Faulty/worn spring in bayonet end	Replace bayonet spring and/or bayonet end	

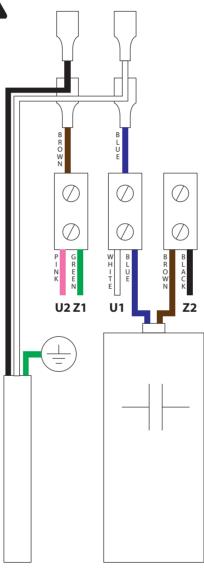


Electrical work and servicing should only be carried out by suitably qualified personnel.

WIRING DIAGRAM



Electrical work and servicing should only be carried out by suitably qualified personnel.

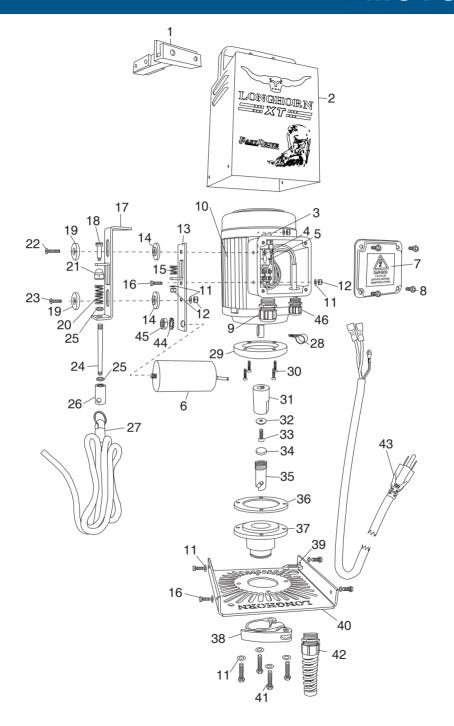


MOTOR

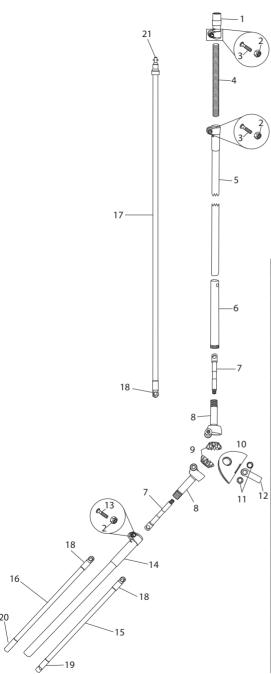
Parts list

	H11-998	Adapter Bracket	24	H16-024	Switch Pull Rod
I	H16-002	Motor Casing	25	H16-025	Dampener Grommet
	H16-003	Switch	26	H16-026	Pullcord Eye
	H16-004	Switch Connection Wire (Brown)	27	H16-027	Pullcord with Ring
	H16-005	Switch Connection Wire (Blue)	28	H16-028	Electric Flex Clip
	H16-050	US 50uF Capacitor	29	H16-029	Motor Insulating Ring 22m
I	H16-007	Terminal Box Cover	30	H16-030	M5 x 30 Socket Countersunk Screw
I	H16-008	Terminal Box Cover Screw	31	H16-031	Insulated Drive Coupling
	H16-009	M20 Gland	32	H16-032	Drive Coupling Retaining Washer
10	H16-051	120V Motor Unit Complete	33	H16-033	M4 x 16 Torx Countersunk Screw
11	H11-014	M5 Shakeproof Washer	34	H16-034	Insulating Spacer Disc
12	H16-012	M5 Nyloc Nut	35	H11-040	EasyDrive Female Coupling
13	H16-013	Switch Actuator Fixed Part	36	H16-036	Safety Ring
14	H16-014	Nylon Switch Bracket Slide	37	H16-037	Aluminium Casting
15	H16-015	Top Switch Spring	38	H11-029	M20 Gland Nut
16	H11-012	M5 x 12 Set Screw	39	H11-041	EasyDrive Drive Clamp Assembly
17	H16-017	Switch Actuator Moving Part	40	H16-040	Base Plate
18	H16-018	Shoulder Bolt	41	H16-041	M5 x 25 Set Screw
19	H16-019	Countersunk Nylon Switch Bracket Washer	42	H16-042	M20 Strain Relief Gland
20	H16-020	Lower Switch Spring	43	H16-045	US Mains Lead
21	H16-021	M8 Domed Nyloc Nut	44	H16-047	M8 Shakeproof washer
22	H16-022	M5 x 25 Socket Countersunk Screw	45	H16-048	M8 Half Nut
23	H16-023	M5 x 20 Socket Countersunk Screw	46	H16-049	H16-049 M16 Strain Relief Gland
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MOTOR

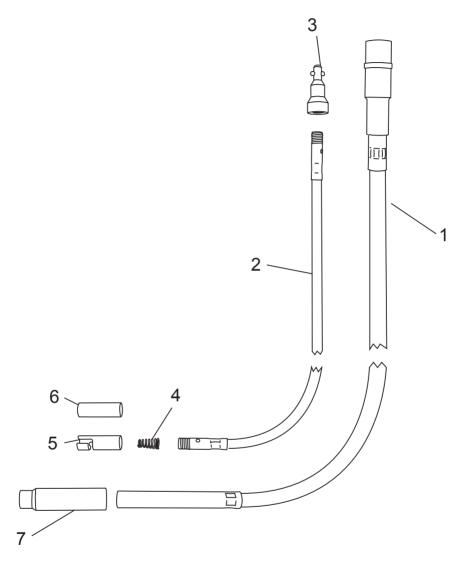


SOLID DRIVESHAFT



1	H18-002	EasyDrive Spring Coupling
2	H18-003	Lock Nut
3	H18-004	Long Lug Bolt
4	H18-005	Spring
5	H18-006	Long Tube
6	H18-007	Ferule
7	H18-008	Eye Spindle
8	H18-009	Elbow Joint
9	H18-010	Solid Cog
10	H18-011	Elbow Guard
11	H18-012	Joint Cap
12	H18-013	Joint Spring
13	H18-014	Short Lug Bolt
14	H18-015	Short Tube
15	H18-016	Short Gut (Pin)
16	H18-017	Shot Gut (Worm)
17	H18-018	Long Gut (EasyDrive)
18	H49-101	Gut Hook
19	H49-100	Bayonet End
20	H49-102	Worm End
21	H11-039	EasyDrive Male Coupling

FLEXI DRIVESHAFT



1	H11-507	Outer	4	H18-020	Bayonet Spring
2A	H11-505	Inner (Pin)	5	H49-100	Bayonet End
2B	H11-506	Inner (Worm)	6	H49-102	Worm End
3	H11-039	Male Coupling	7	H49-002	Flexi Ferule

Technical data

Motor rated voltage	110-130V 60Hz
Rated input	555W
Rated output	370W, 1/2 HP
Speed	3350 RPM



