



BARFORD



Model SM312

OPERATOR MANUAL + PARTS LIST

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1) INTRODUCTION

Thank you for purchasing an Barford conveyor.

This manual is as important as your conveyor and should be read thoroughly before operating your machine.

Safety is always at the forefront at Barford Equipment Ltd. It is recommended that all safety information should be read and followed.

MANUFACTURER:

Barford Equipment Ltd
72-74 Omagh Road
Dromore
Co. Tyrone
N. Ireland
BT78 2AJ

Tel: + 44 (0) 2882 897401

E: info@barford.com

Serial Number: _____

Product / Model: _____

2) WARRANTY

Barford Conveyors carries a one year warranty on labour and on all non-consumable parts.

All Barford Conveyors are carefully examined and tested before leaving the premises.

Every Barford machine **must** be registered for warranty. Please complete the Warranty Registration Certificate on the next page. One copy should be kept by you the customer and a copy returned to Barford Equipment Ltd at the above address . Before warranty can be honoured a Warranty Certificate must be held on file at BARFORD EQUIPMENT LTD.

NOTE: If servicing or repairing any parts that is non factory supplied will invalidate the warranty. It is the sole responsibility of the operator to read, understand and comply with all instructions as stated in this manual.



Barford Equipment Ltd
72-74 Omagh Road
Dromore Co.Tyrone
N.Ireland BT78 3AJ

T: + 44 (0) 2882 897401
E: info@barford.com

Registration Certificate

Your Warranty starts from the day that warranty registration has taken place

Date: _____ Serial Number: _____

SAFETY

Has the Manual been read and understood? ☐ YES ☐ NO

Have you carried out a risk assessment for the proposed working area? ☐ YES ☐ NO

Do you have a proper working Radio Remote (optional extra)? ☐ YES ☐ NO

Is the machine set up on a level surface? ☐ YES ☐ NO

Any extra options are in place? ☐ YES ☐ NO

All guards are fitted and secure? ☐ YES ☐ NO

Are you happy with the first test of the machine? ☐ YES ☐ NO

If not, why? _____

HYDRAULICS AND THE CONVEYOR

Check oil level and for water in the diesel tank? ☐ YES ☐ NO

Comments _____ ☐ YES ☐ NO

Check oil level in hydraulic tank? ☐ YES ☐ NO

Comments _____ ☐ YES ☐ NO

Are the control valves operating? ☐ YES ☐ NO

Any leaks in the hydraulic system? ☐ YES ☐ NO

Are all persons who will be operating the machine fully trained and informed of the workings of the machine? ☐ YES ☐ NO

Is the control panel and emergency stops in good working order? ☐ YES ☐ NO

Is the belt tracking? ☐ YES ☐ NO

Checked tension of discharge belt? ☐ YES ☐ NO

Copy to be retained and hard copy to be returned to above address.

Please Note: no warranty registration received means no warranty on machine



Copy to be retained & hard copy to be returned to Barford office.

Please note: No warranty registration received, means no warranty on the machine!

Customer Name: _____

BARFORD Dealer/Distributor: _____

Customer Contact Name: _____

Contact: _____

Customer Contact: _____

Phone Number: _____

Customer Full Address: _____

Application: _____

Engine Registered:

☐ YES ☐ NO

Instruction Manual Received:

☐ YES ☐ NO

Notes or Comments: _____

I the undersigned confirm that I have received the Barford product and that the operators fully understand the operations of the machine. I was present when all checks were marked and I hereby sign below to agreeing to the conditions of the Barford warranty:

Signatures: _____

3) EU DECLARATION OF CONFORMITY

We the undersigned:

Barford Equipment Ltd
72-74 Omagh Road
Dromore
Co.Tyrone
N.Ireland
BT78 3AJ

Declare under our sole responsibility that the following apparatus:

BARFORD

Model: _____

Serial Number: _____

Is in conformity with the following relevant EC legislation:

Machinery Directive 2006/42/EC

Based on the following harmonised standards: EN12100-2:1998, EN ISO 12100:2010, BS EN ISO 4413:2010 and therefore complies with the following essential requirements of the Machinery Safety Directive EHSR1.1, EHSR1.2, EHSR1.3, EHSR1.4, EHSR1.5, EHSR1.7.

We the undersigned, undertake to transmit, in response to a reasoned request by national authorities, relevant information on the machinery by the following method of transmission:

Parcel

Name and position of person binding the manufacturer or authorised representative:

Signature: _____

Name:

Function:

Location: Same as above address

Date of issue: _____

The Barford Conveyor is designed with Safety in mind.

Barford Equipment Ltd: reserve the right not to take responsibility for any injury or damage if the manual is not read and followed.

Ensure all operators are familiar with the machine, its functions and capabilities. Inadequate knowledge of the machine's operation can lead to death or serious injury; before commencing any maintenance work ensure that all energy sources i.e. Diesel Engine or Electric Power pack are locked out using the isolators provided and signs are in place indicating that maintenance work is being carried out.

Ensure the machine cannot be started while others carry out work on the machine by locking out all energy sources.

All moving parts are covered by guards and shields to prevent accident or injury. If in the event of repair work or servicing to be carried out, these covers may be removed. Removed guards and shields should be replaced immediately after maintenance work is finished. **Operating the machine is not permitted with missing guards.**

Ensure machine is operated and driven on a level and stable surface.

OPERATING CONVEYOR SAFELY:

- Read the operator's manual carefully taking note of all the safety information.
- **DO NOT** attempt to adjust the conveyor belt while they are running.
- If excessive machine vibration occurs, stop the engine and remedy the problem.

CHEMICAL SAFETY:

- Always follow instructions on chemical container. Protective clothing should be worn when using chemicals (gloves and goggles). Use the appropriate tools when opening a chemical container. Always use a well ventilated area.
- **DO NOT** smoke, eat or drink while handling chemicals. Dispose of all waste in line with local and national regulations.

HIGH PRESSURE FLUIDS:

- Check all hoses and lines regularly. Replace when needed.
- Check all connections and tighten when needed.
- Always relieve pressure if fluid escapes before disconnecting hydraulic hose or lines.
- **DO NOT** use your bare hands or parts of the body to check for leaks.
- Always seek medical help if an accident occurs.

OPERATING PERSONNEL:

- Only authorized, competent or trained personnel should operate the Barford conveyor.
- Only authorized, competent or trained personnel should carry out maintenance work on the Barford conveyor.
- All instructions should be followed.

PLANT MANAGEMENT IS RESPONSIBLE FOR:

- The working area around the machine and the machine itself.
- Any persons in the area of the equipment.
- Any persons operating the equipment.
- Safety of any persons carrying out machine maintenance on site.
- Risk assessment and Health & Safety regulations are adhered to (local and national).
- Ensuring that all doors and guards are closed and installed correctly.
- Ensuring that all maintenance issues, electrical or mechanical, are fixed before machine is operated.

ON SITE ENVIRONMENT:

- Risk assessment should be carried out before, during and after operation of the machine.
- Ensure appropriate measures are taken for site personnel training in Health & Safety awareness.
- All hazardous materials must be handled in accordance with the manual instructions.

APPROPRIATE CLOTHING:

- All persons operating the machine should wear appropriate clothing e.g. Hard hat, ear protection, dust masks and protective footwear.
- Any loose clothing should be tucked in and kept away from rotating parts.

WORKING WITH ELECTRICS:

- It is recommended that any persons working with the electrical operations on the conveyor must work to the standards of EN50110 or similar.
- Before starting machine ensure that all electrical cables and connectors are in good working order. Also de-energised parts are checked for presence of power and ground or short circuit them in addition to insulating elements and adjacent live parts.
- Use recommended current rating original fuses. If the operator suspects that there is a problem, switch off the machine immediately.
- Before starting the machine, the isolator that carries the high voltage must be earth bonded by a qualified electrician.
- Always risk assess the area where the machine will be in operation for overhead cables and other dangerous obstacles. If contact is made with a live wire, de-energise and alert all persons about approaching and touching the machine immediately.
- When cleaning the conveyor **DO NOT** hose down any electrical enclosures or the electrical motor.

DECALS FOR MACHINE SAFETY:

Operators should be familiar with all equipment and be trained in their safe use. Before operation the operator must:

- Have read and understood the operators manual and all safety signs in the manual and on the machine.
- Have received specific and adequate training in the operation to be carried out.
- Know the location and function of all controls on the machine.
- Know the location of all Emergency Stops and other safety equipment.
- Be aware of all moving parts of the machine.

Listed below are all the safety signs used throughout this manual and on the machine. Operators must be familiar with these signs and be aware of their meaning. These signs are used in this manual to warn of some of the potential hazards, which may exist while operating this machine.

DECALS FOR MACHINE SAFETY:



WARNING: Finger Crush Hazard.

Be careful around machines pinch points.



WARNING: Entanglement In The Conveyor Hazard.

Make sure all guards are in place, shut off the engine and remove the key before performing maintenance or repair work.



WARNING: Possibility Of Crushing By Overhead Conveyor.

Stay a safe distance from the conveyor while it is being raised or lowered



WARNING: Electric Shock Hazard.

Beware of overhead cables when setting up or moving the machine.



WARNING!

Read the instruction manual before proceeding.



WARNING: Falling Objects Hazard.

Stay a safe distance from area.

DECALS FOR MACHINE SAFETY



WARNING:
High Pressure
Fluids Hazard.

Read the
instruction manual
before proceeding.



WARNING:
Crush Hazard.

Nip point.



WARNING:
Rotating
Blade
Hazard.

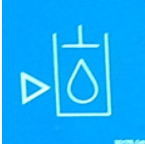
Do Not Operate
With Guard
Removed or
opened.
Lockout/Tagout
Before Servicing.



Emergency Stop Button.



Noise level.



Hydraulic oil
tank.



Diesel tank.



Mandatory:

Use eye protection.



Mandatory:

Use hearing protection.



Mandatory:

Wear a hard hat.



Mandatory:

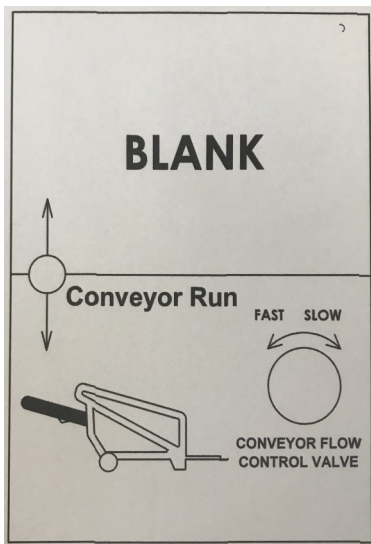
Wear respirator.

Hot surface:

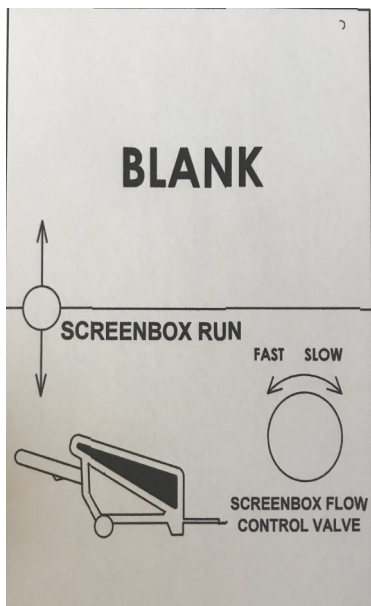
Do not touch machine exhaust guard
when machine is running.



NOTE: Actual decals on your machine may differ slightly from above as new versions are released.



1. AWAY FROM OPERATOR.
(BLANK)
0. NEUTRAL POSSITION.
2. TOWARDS OPERATOR.
(CONVEYOR RUN)
3. FLOW CONTROL VALVE.

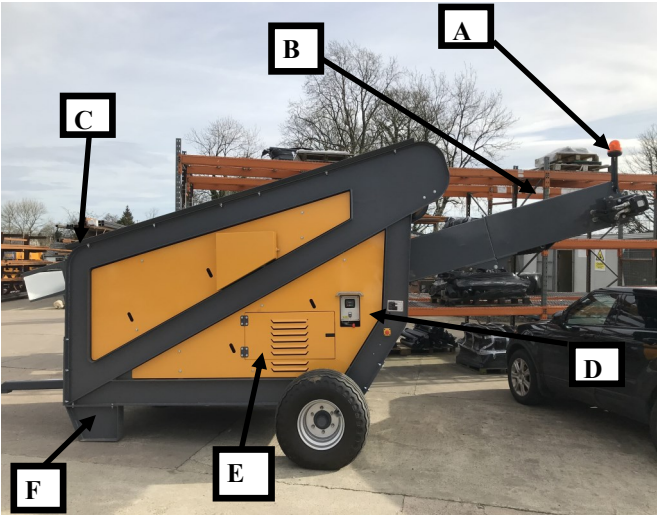


1. AWAY FROM OPERATOR.
(BLANK)
0. NEUTRAL POSSITION.
2. TOWARDS OPERATOR.
(SCREENBOX RUN)
3. FLOW CONTROL VALVE.

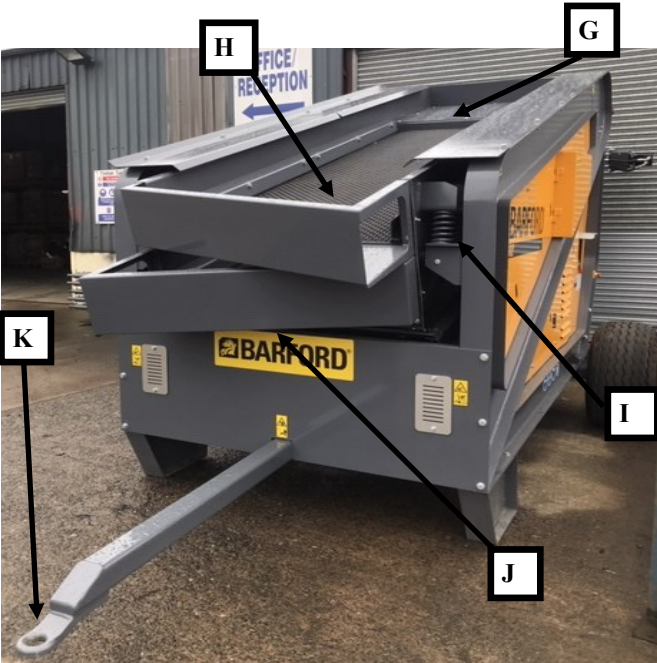
6) KNOW YOUR MACHINE

Please take note of all the different components of the machine

Number:	Description
A	Beacon
B	Conveyor
C	Chassis
D	Control panel
E	Power unit
F	Support rest



Number:	Description
G	Material Loading point
H	Top screening deck
I	Screen box spring
J	Bottom screening deck
K	Toe Hitch



Emergency stop button locations:



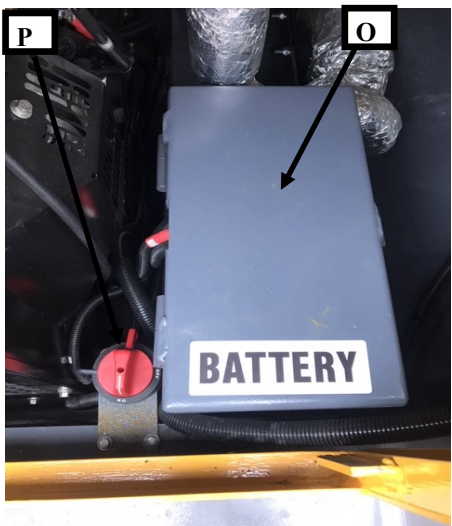
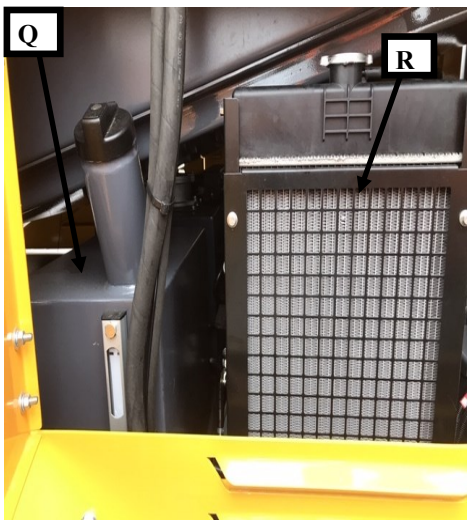
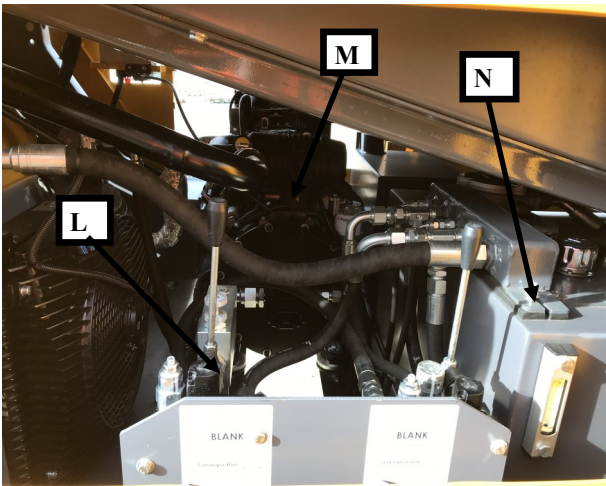
There are two emergency stops on this machine. They are located at the back of the conveyor, one at each side. In the event of an emergency push this button. To release the button turn clockwise.



7) THE POWER UNIT AND CONTROLS

The power unit is attached at the chassis and provides the power output. This contains the control panel, Hydraulic pump, engine throttle, engine, oil cooler, conveyor belt control valve bank and also the screen box control valve bank. The hydraulic and diesel tanks are placed at either side of the power unit.

Number:	Description
L	Control Valves
M	Engine
N	Hydraulic tank
O	Battery box
P	Battery power isolator switch
Q	Diesel tank
R	Engine fan



7) THE POWER UNIT AND CONTROLS CONTINUED

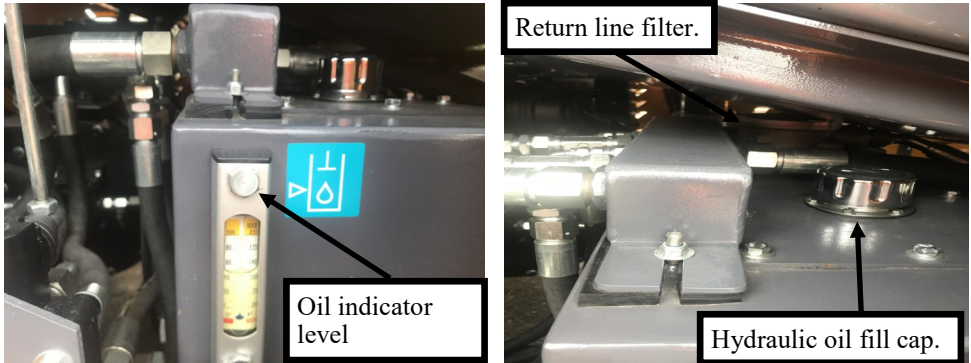


Standard Conveyor Control Panel

ICON	DESCRIPTION	
	AUXILIARY INPUTS	Auxiliary inputs can be user configured and will display the message as written by the user.
	FAIL TO START	The engine has not fired after the preset number of start attempts
	FAIL TO STOP	The module has detected a condition that indicates that the engine is running when it has been instructed to stop. NOTE:- 'Fail to Stop' could indicate a faulty oil pressure sensor - If engine is at rest check oil sensor wiring and configuration.
	LOW OIL PRESSURE	The module detects that the engine oil pressure has fallen below the low oil pressure pre-alarm setting level after the <i>Safety On</i> timer has expired.
	ENGINE HIGH TEMPERATURE	The module detects that the engine coolant temperature has exceeded the high engine temperature pre-alarm setting level after the <i>Safety On</i> timer has expired.
	UNDERSPEED	The engine speed has fallen below the underspeed pre alarm setting
	OVERSPEED	The engine speed has risen above the overspeed pre alarm setting
	CHARGE FAILURE	The auxiliary charge alternator voltage is low as measured from the W/L terminal.
	LOW FUEL LEVEL	The level detected by the fuel level sensor is below the low fuel level setting.
	BATTERY UNDER VOLTAGE / BATTERY OVER VOLTAGE	The DC supply has fallen below or risen above the low/high volts setting level.
	EMERGENCY STOP	The emergency stop button has been depressed. This a failsafe (normally closed to battery positive) input and will immediately stop the set should the signal be removed. Removal of the battery positive supply from the emergency stop input will also remove DC supply from the Fuel and Start outputs of the controller. NOTE:- The Emergency Stop Positive signal must be present otherwise the unit will shutdown.
	MAGNETIC PICKUP FAILURE	Pulses are no longer being detected from the magnetic pickup probe (3110-xxx-01 magnetic pickup version only)
	INTERNAL MEMORY ERROR	Either the configuration file or engine file memory is corrupted. Contact your supplier for assistance.

HYDRAULIC TANK FILL CAP, INDICATOR AND RETURN LINE FILTER:

The indicator is located at the side of the hydraulic tank, the return line filter and oil fill cap is located on the top of the hydraulic tank.



SHUT DOWN OF DIESEL CONVEYOR:

- Observe all safety warnings. Make sure the conveyor is empty and clear of all materials.
- Empty the conveyor.
- Lower the engine revs using the hand throttle.
- Stop the main conveyor unit.
- Stop the engine.

CONTROL VALVES AND HAND THROTTLE:

The control valves and speed adjustments are contained within the power unit.

The conveyor belt and the screen box have two separate control valves. To operate the conveyor belt and the screen box pull lever towards the operator. To stop the conveyor belt and screen box return levers to upright position, this is the neutral position.

To control the speed of the conveyor belt and screen box there are two flow control thumb screws on top of each valve.

The engine throttle lever is located under engine control panel. The engines rpm is adjusted from here.



Observe all safety warnings.

Before setting up for transit, ensure that the belt and screen box is clear of any material.

To set the conveyor up for transit the following steps must be followed:

1. Stop the engine.
2. Turn all control valves to neutral positions.
3. Ensure all door compartments are secured.
4. Check condition of tyres, ensure the rated air pressure is in both tyres.
5. This machine is transported by using the towing eye at the front of machine.

For shipping this machine will be fixed to static stools during transportation.



PRESTART CHECKS:

Before starting and operating the conveyor ensure that:

- All personnel are clear of the machine.
- All personnel are fully trained on the operation and the dangers of the machine.
- All personnel are wearing the correct PPE.
- Belts are clear from debris.
- Machine operational area is clear and free from any obstructions.
- Machine operational area is level and even.
- Machine operational area is able to support the machine weight.
- All guards are securely in place.

STARTING HYDRAULIC POWERED CONVEYOR:

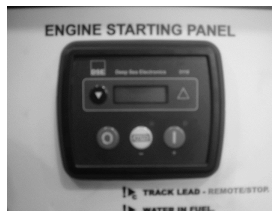
1. Check fuel tank for level of fuel.
2. Check hydraulic oil level.
3. Put all control valve levers in to neutral position.
4. Start the machine through the following steps; Turn control panel key to on position (pics a-b), push green button on the control panel display twice and allow 30 seconds for the machine to self start (pics c-d).



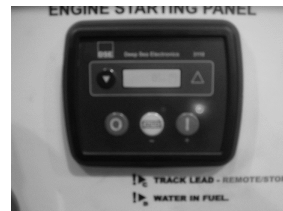
A



B



C



D

5. The machine should now be running. Before the belt is run it is recommended to carry out a risk assessment.

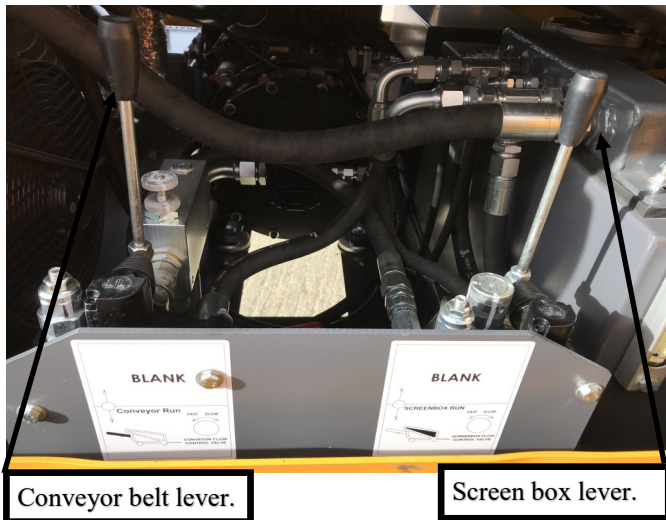
9) OPERATING THE DIESEL POWERED CONVEYOR CONTINUED

6. Support rest has to be in contact with the ground.



7. Go to the other side of the power unit compartment where the controls valves can be used to operate the conveyor and screen box.

8. Turn on the conveyor belt first and set belt speed, then turn on the screen box and set the desired speed.



9. Check the conveyor belts is running smoothly and in alignment.
10. On first use let the conveyor run for 10 minutes before loading the feeder.
11. Adjust engine revs with the hand throttle.

STOPPING PROCEDURE:

1. Let the conveyor belt run a few minutes to ensure there is no material left on the belt.
2. Reduce engine revs with throttle.
3. Check that all levers are in neutral positions
4. Push the red button on the control panel to stop the engine. Always remove key from machine when not in use.
5. Check that all control panels are closed securely.

EMERGENCY STOPPING:

1. Only use emergency stops for emergencies.
2. When an emergency stop has been pressed, do not restart the engine until it is safe to do so. Pressing an emergency stop will stop the engine and machine.
3. Be familiar with emergency stop locations. When emergency stops have been pressed turn the Ignition key off.
4. The emergency stops will now have to be physically disengaged by pulling or twisting. Only when the machine is fully switched off and safe should you try to fix the problem.

RESTART AFTER EMERGENCY START:

1. Check all emergency stops are released.
2. Ensure the problem is solved before starting the machine.
3. Restart machine in the normal procedure.



Good records and maintenance are mandatory aspects of a machine's life. Good maintenance of your conveyor is vital; the conveyor will perform at its best when cared for. Only personnel with proper qualifications for servicing and maintenance can perform these tasks. All safety regulations and risk assessment should be followed before maintenance is carried out.

Never work under unsupported equipment. It is important to remember that any raised part of the machine can fall, causing injury or death. When maintenance is carried out ensure all safety aspects are in good working order before returning the machine to operating service. Any hydraulic maintenance should be carried out by qualified personnel. Always bleed and depressurize the hydraulic lines before attempting maintenance or repairs. Replace any worn or broken parts as soon as possible.

Keep power units dry at all times. Power washing can weaken the seal on plugs. All electricity should be isolated before removing the front panel.

Maintenance Schedules

Engine	Daily (10 hour)
Coolant level	Check/fill up
Engine lube oil level	Check/fill up
Fuel tank level	Check fill up
Fuel water separator	Check fill up
Engine air cleaner service indicator	Inspect/replace air filter if illuminated
Moving components	
Material build up	Remove
Turning/moving freely	Check/repair
Power unit	
Hydraulic oil level	Check/fill up
Conveyor belt	
Alignment	Check/align
Tension	Check/tension
Rubber cushions	Check/replace

ANNUALLY:

- Change engine filters
- Change in line filters
- Check tyres for rips and bulges, replace tyres if the tyre tread is worn away.

Never power wash around the control panels. Always abide by the safety standards when carrying out maintenance.

ELECTRIC MAINTENANCE:

Disconnect battery ground cable before carrying out maintenance on electrics.

The control panel lids should be closed at all times.

A regular check of the control panel and all the connections is recommended.

When maintenance or repairs are being carried out on the control panel, ensure it is covered to prevent any rain or water getting in.

Check daily for any damages, worn out parts and good operating switches.



WELDING:

Only welders qualified to European Standards or similar are permitted to perform welding operations on the machine.

Before working on the plant, switch off and isolate battery power.

Again assess the risk before working on the conveyor.

HYDRAULICS:

Only certified personnel should carry out any maintenance or servicing to the hydraulic system. Always relieve pressure from the hydraulic system before carrying out any kind of maintenance or servicing.

BELT MAINTENANCE:

ONLY AUTHORISED AND TRAINED PERSONNEL TO WORK ON BELT MAINTENANCE

BELTS:

- Belts, scrapers and drum lagging are consumable items and will need to be replaced through general wear and tear.
- The belt must be checked regularly for rips, cuts and any damage.
- Always keep the belt at the proper tension.
- Belts need to be aligned.
- Never overload the belt. If the above is not followed, belt slippage can occur.
- Belt should be cleaned from ground height by rotating the belt slightly each time.
- Grease all bearings regularly.

BELT ALIGNMENT AND TENSION:

It is important that the conveyor belt is in alignment. If the belt is not in alignment: the machine may not be level, the belt tension is faulty or the position of the drum is faulty.

Naturally the belt will stretch due to wear and as a result it will need adjusted occasionally. The belt should be tensioned so it is not too tight or too loose. Loose belts cause slippage whilst a tight belt will damage the drum bearings. As well as visual inspections it is important to use hearing inspections as any unusual sounds can indicate a potential problem with the belt and its running gear.

If the belt needs tensioned or aligned all the work is done at the tail section of the conveyor. Ensure the running of the belt is disengaged to carry out this work. Using a spanner, alter the tail drum adjuster to the desired location.



Tail drum bearing: Both sides are the same.



Grease point. Grease these nipples which leads to drum bearings.

POWER UNIT MAINTENANCE (OPTIONAL EXTRA)

The engine in your Barford Power Unit comes with its own manual. If you have not received this please contact Barford Equipment Ltd.

All safety and maintenance information should be read and understood before carrying out maintenance on the power unit.

FUEL:

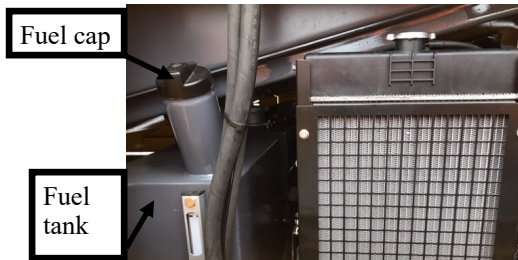
Diesel is a highly flammable fuel. Do not overfill the diesel tanks capacity. The fuel level of the machine can be checked by viewing the indicator. We recommend you fill the fuel tank at the end of the day.

Check the level indicator.

Clean around the cap.

Remove the cap and funnel in the fuel until the indicator is at it's highest level then replace the cap.

Always clean up spilled fuel.



HYDRAULIC SYSTEM:

It is essential that the hydraulics are regularly serviced. Keep air vents in the cap open to allow the hydraulic system to breathe.

CHECKING HYDRAULIC OIL LEVEL:

It is important that the correct grade of oil is used. If you find that you are filling the hydraulic oil more than usual, check all hydraulic parts and pipes for leaks.

Before checking the hydraulic oil, ensure it is at normal temperature.

Where possible, have all cylinders retracted.

Check the oil indicator. The oil level must be in the middle of the maximum and minimum marks on the indicator.

FILLING THE HYDRAULIC OIL:

When filling the hydraulic oil tank, always make sure the engine is switched off and fill between the maximum and minimum indicator. As always follow the safety regulations. Never overfill the hydraulic tank as this will cause leakage from the filter cap and system overheating.

CHANGING HYDRAULIC OIL:

1. Always assess risk before carrying out work on the hydraulic oil system.
2. Ensure oil is at normal operating temperature and cylinders are retracted where possible.
3. Before removing the drain plug, slowly unscrew the filler cap to release any pressure in the hydraulic tank.
4. Ensure you have a suitable container to catch all of the oil. Ensure to clean any spillage.
5. Remove the drain plug. Remove the cover plate which is under the filler cap. Dispense the gasket.
6. Remove the suction filters by unscrewing them from the suction pipes.
7. Using clean oil, flush out the tank removing any dirt. Clean and reuse the suction filters and replace on the suction pipes.
8. Replace cover plate using a new gasket, then replace drain plug. Change the return line filter.
9. Refill the tank with clean hydraulic oil at the level marked on the indicator.
10. Run the engine, operate the hydraulic controls which will take any air from the system
11. Stop the engine and check level of oil at the indicator and top up if required

BATTERY CHECK:

Always abide by safety regulations when dealing with batteries. Always wash hands after handling a battery ensure to maintain battery level. In cold weather distilled water should only be added immediately before starting the engine to prevent it freezing Always keep the terminals and case clean.

CHANGE OF BATTERY:

Always follow safety regulations. Ensure all electrical circuits are switched off. Disconnect the earth lead from the battery. Disconnect the positive lead from the battery. Remove battery from the machine. To reinstall always connect positive first and then connect the earth.



11) TECHNICAL SPECIFICATIONS

SPECIFICATION:

- Discharge Height. 2.35m/7 feet and 8.52 inches
- Belt Width. 1050mm / 42ins
- Belt Length. 11.74m / 38.5 ft.
- Belt Type. 2 ply plain
- Power unit. Perkins 1.5 Litre diesel 3 cylinder
- Developing. 24.4kw
- Engine RPM. Idle: 900RPM
Full: 2300RPM

- Conveyor RPM 177 RPM
- Screen box RPM 1050 RPM

HYDRAULICS:

- Hydraulic Motor:** Screen box: 80cc
Conveyor: 400cc

- Engine pump:** 27cc

OVERALL DIMENSIONS:

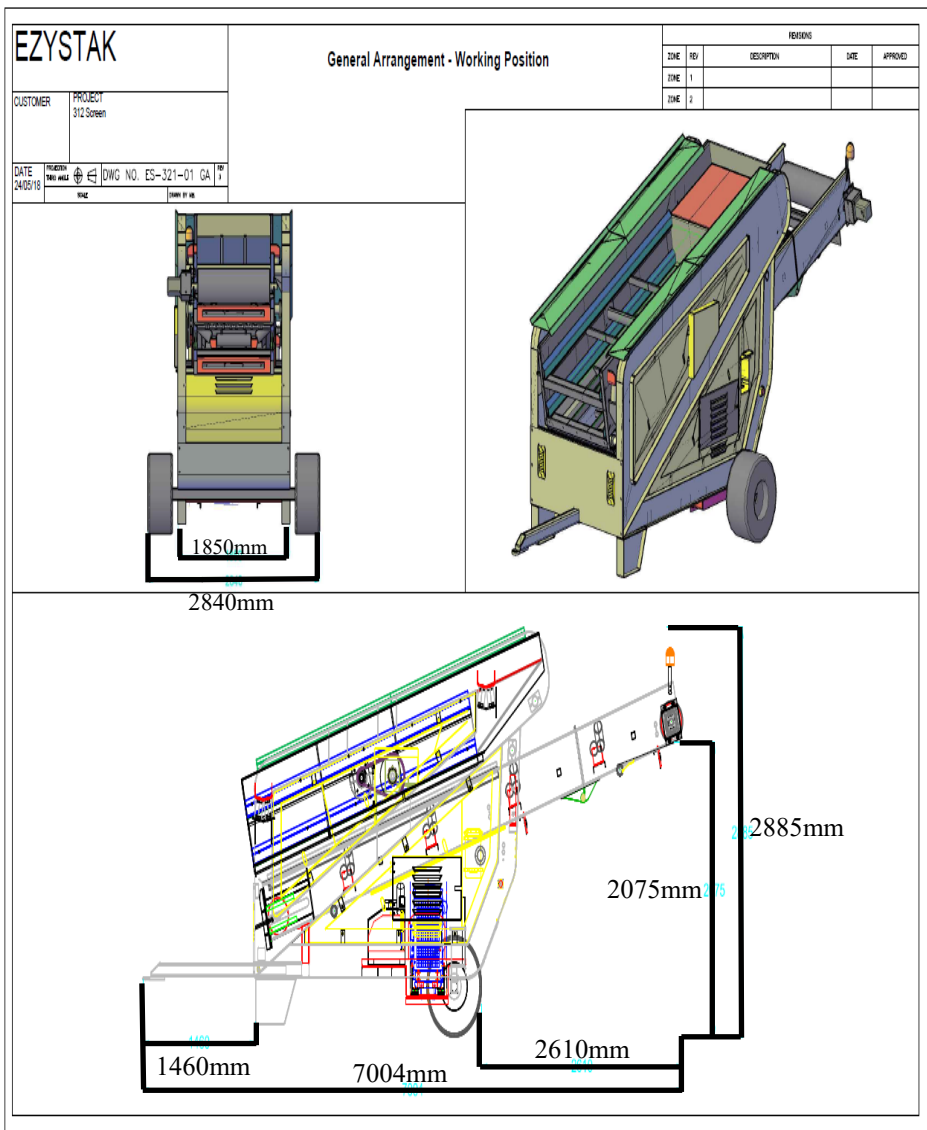
- Machine Width. 2840mm / 9 feet and 3.81 inches
- Transport Length. 7004mm / 22 feet and 11.75 inches
- Transport Height. 2885mm / 9 feet and 5.58 inches

Battery:

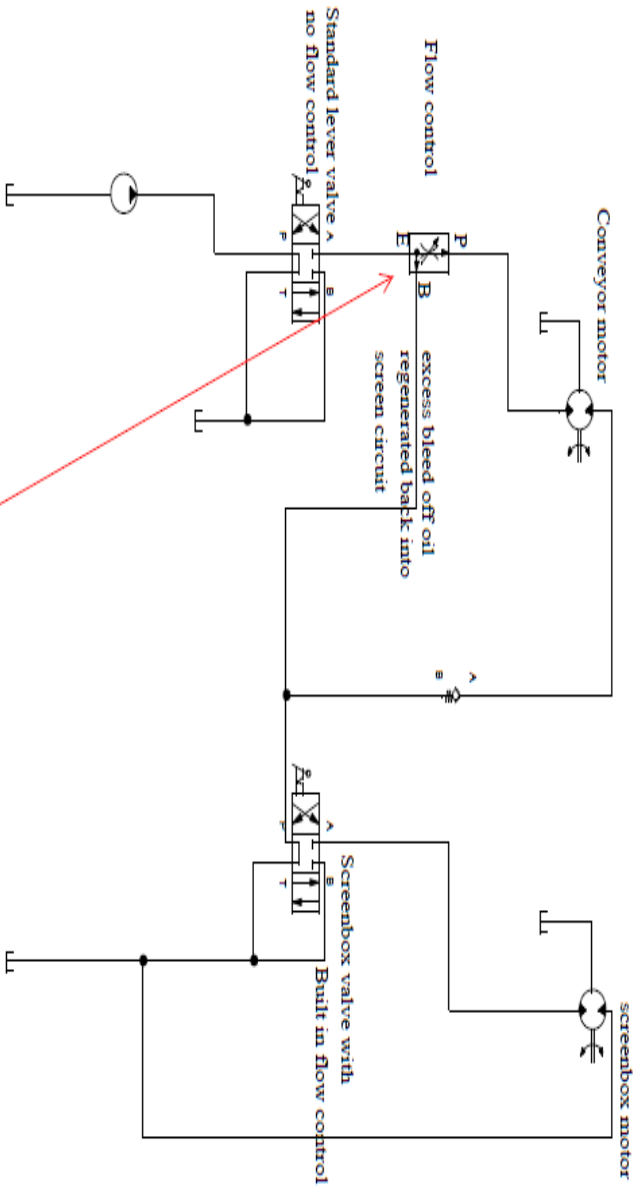
- Type - 12v negative earth.

Greasing:

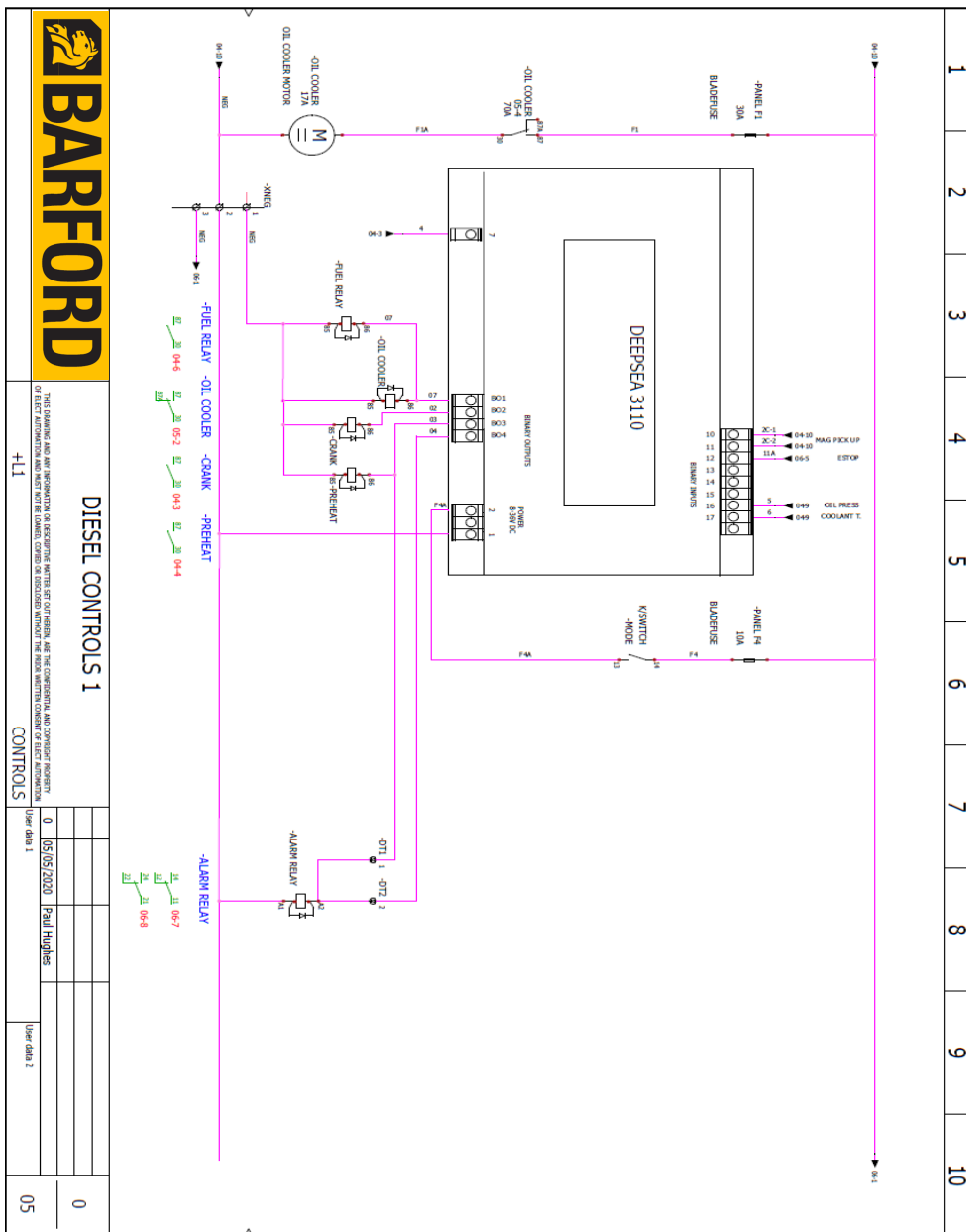
- Head and Tail drum bearings
 - 4g per month
- Screen box bearing
 - 4g weekly

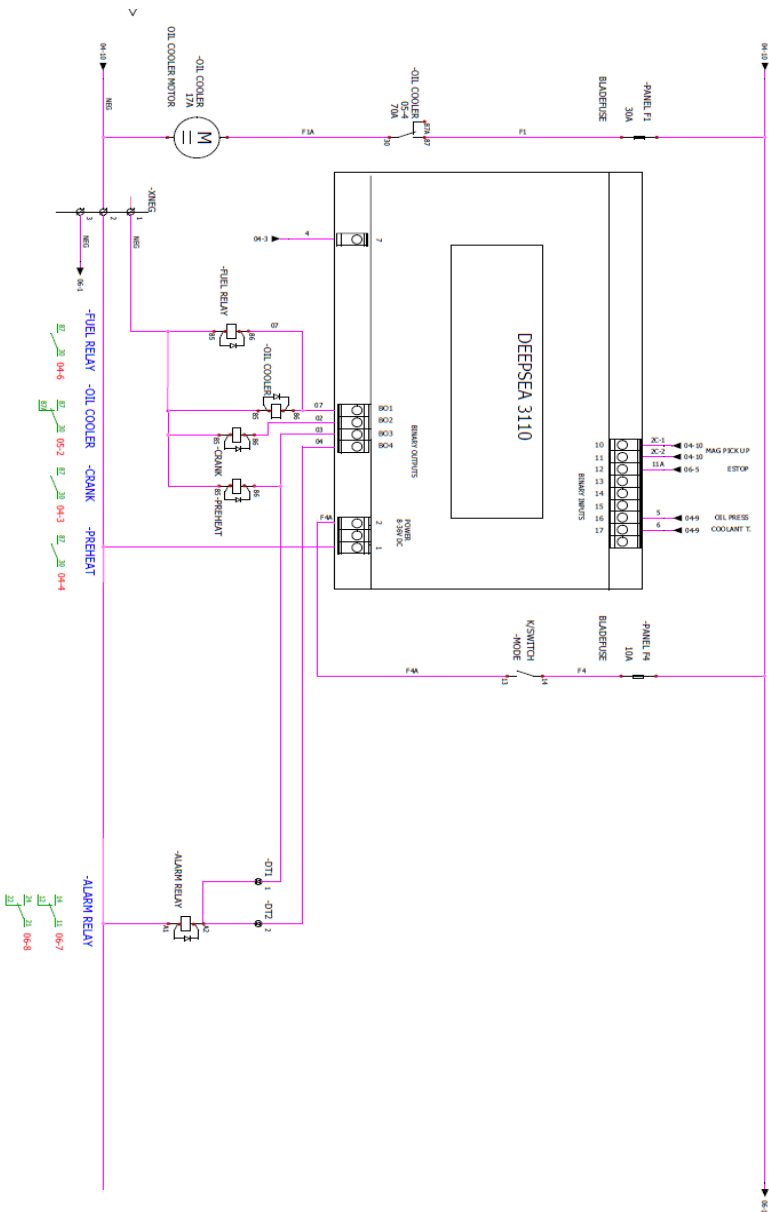


2 DECK CIRCUIT



This will enable us to have full flow available to the Screenbox from the pump and at the same time letting us control the speed of the conveyor.





DIESEL CONTROLS 1

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CONTROLS

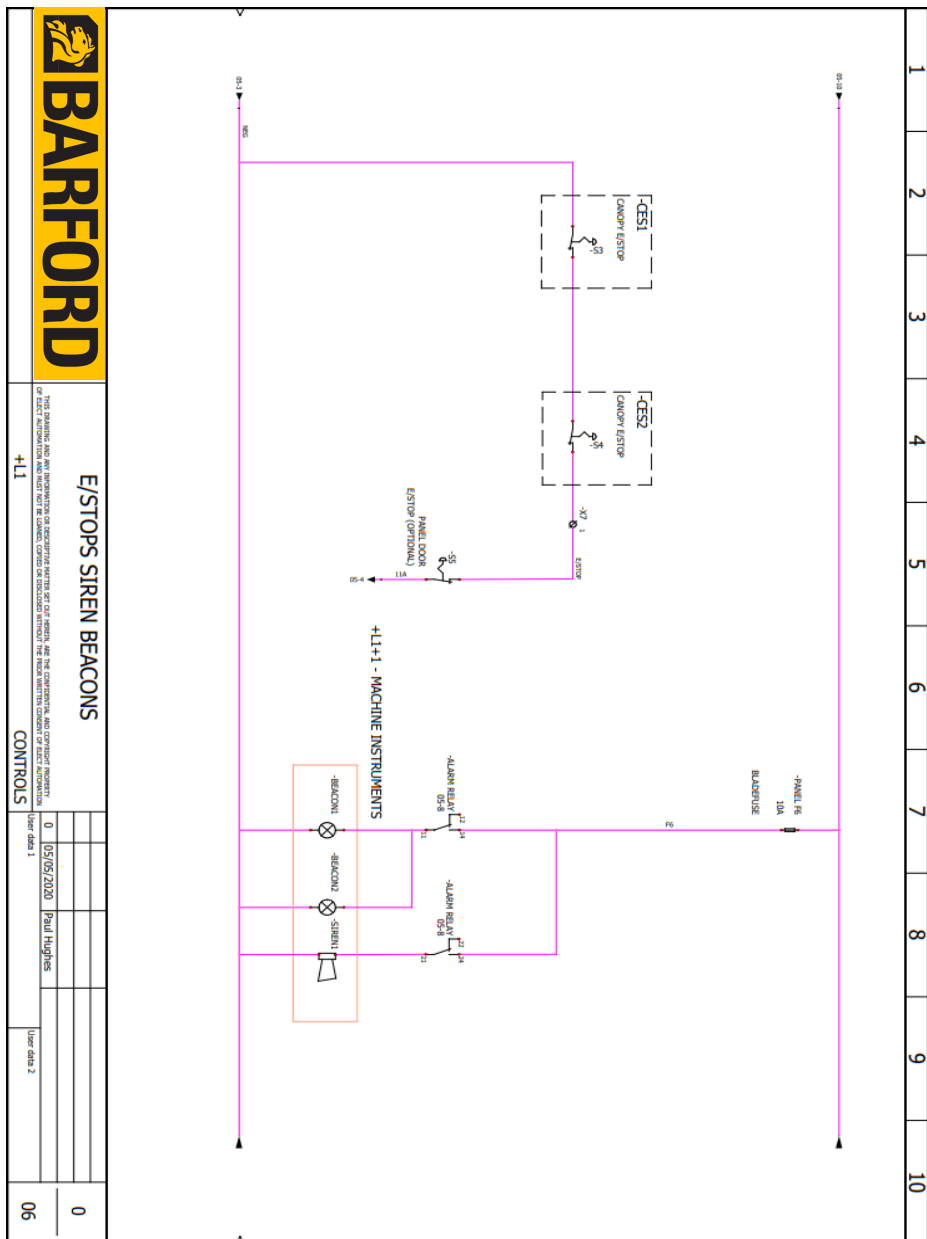
User data

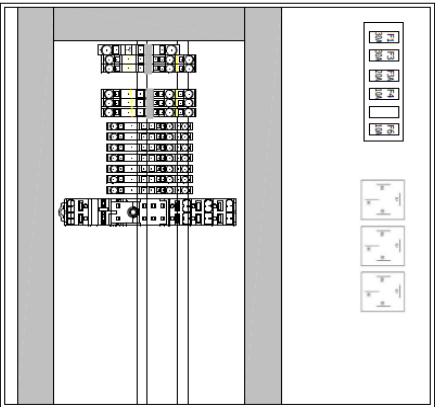
Paul Hughes

User data 2

05







Document book

CONTRACT:

LOCATION:

+LI

CONTROLS

User data 1

User data 2

SCALE

1 / 2.3
REVISION
0
DRAWING
03

REV. 0
DATE 05/05/2020
NAME Paul Hughes

CHANGES



SPARE PARTS LIST

BARFORD SPARE PARTS

Barford Equipment Ltd. General Information

Barford Equipment Ltd. recommend that only genuine spare parts are used on their machines, this is to ensure the minimum amount of downtime and ensure the longevity of the warranty period.

Parts which have not been supplied by Barford or its dealer network cannot be guaranteed to be of the same specification as supplied on the machine.

Barford Equipment Ltd. cannot be responsible for damaged or downtime arising from the use of non genuine parts and the use of any such parts shall result in the end of the warranty period.

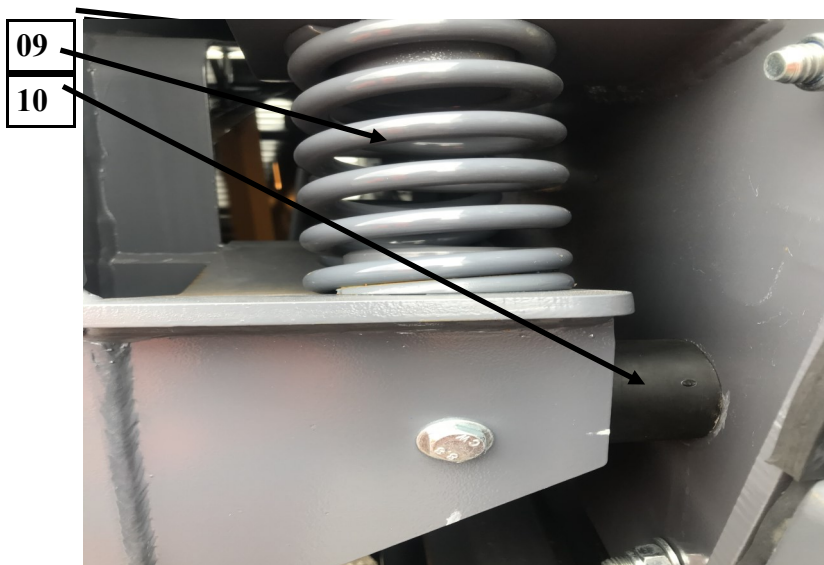
Barford Ordering Procedure

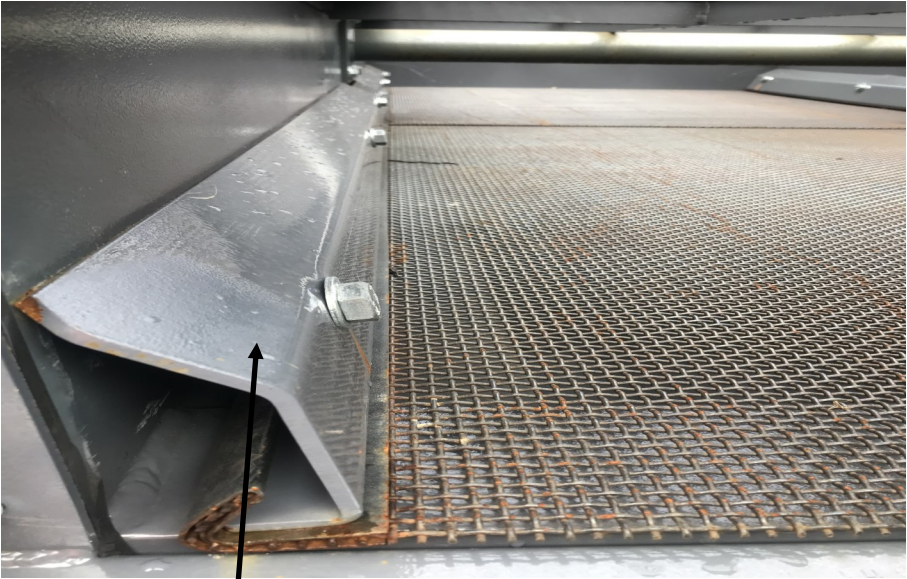
When placing an order for spare parts, please ensure that the following is listed:

- Machine type
- Machine Serial Number
- Part Number
- Quantity
- Delivery Address
- Delivery Method

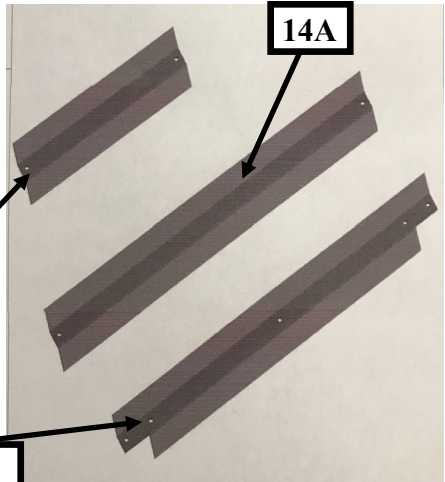
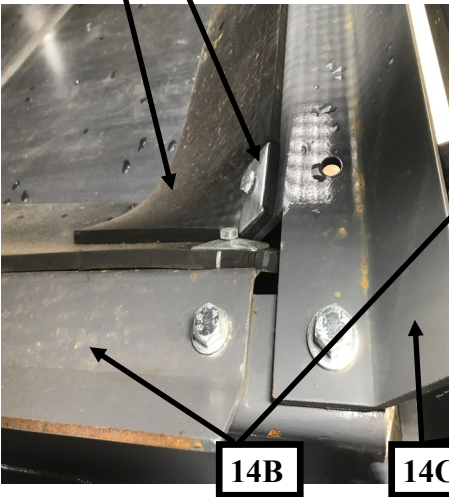
Orders may be emailed, faxed or posted to us; failure to supply the required information may result in a delay on your parts being dispatched. Orders by post should be sent to the following address:

Barford Equipment Ltd
72-74 Omagh Road
Dromore
Co.Tyrone
N.Ireland
BT78 3AJ
Tel: + 44 (0) 2882 897401
Email: info@barford.com



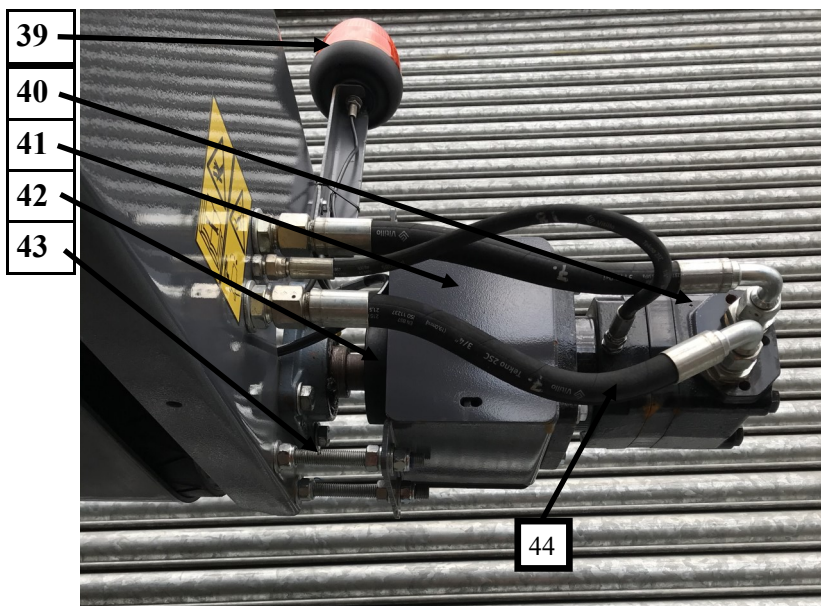


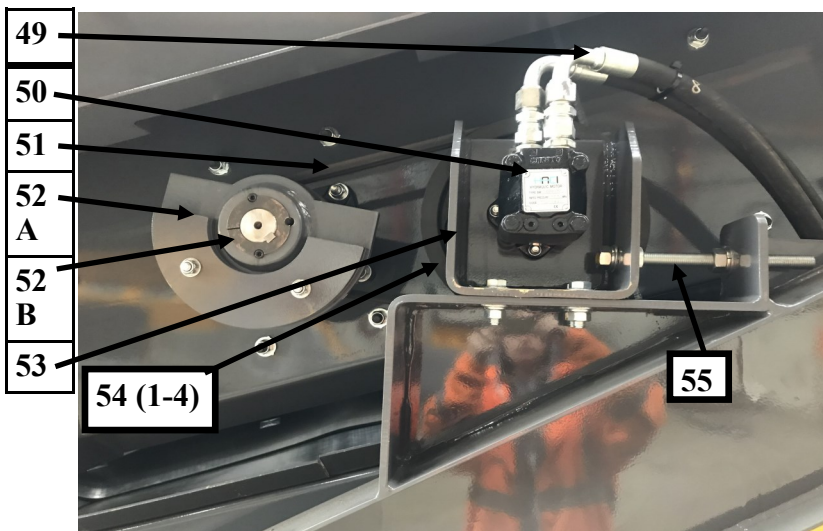
11 12 13



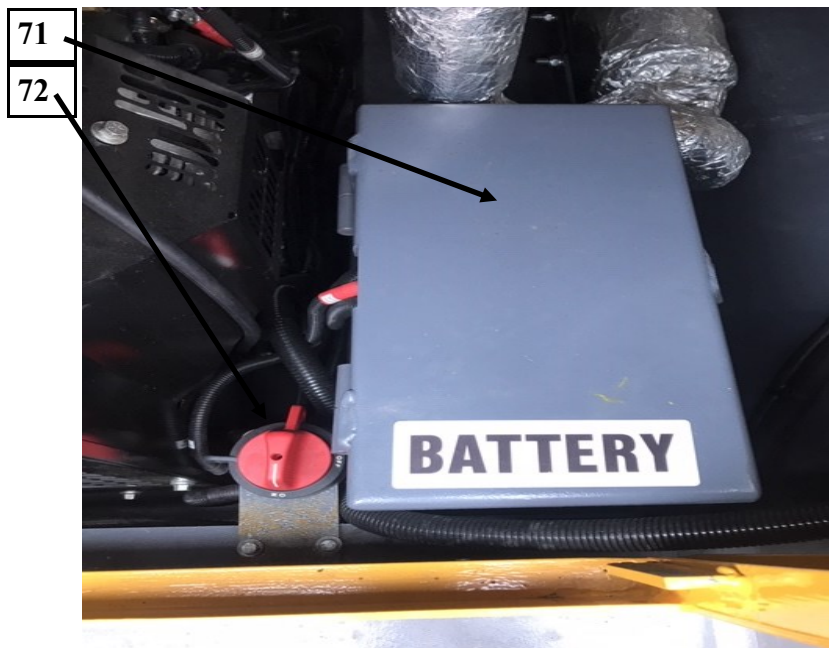
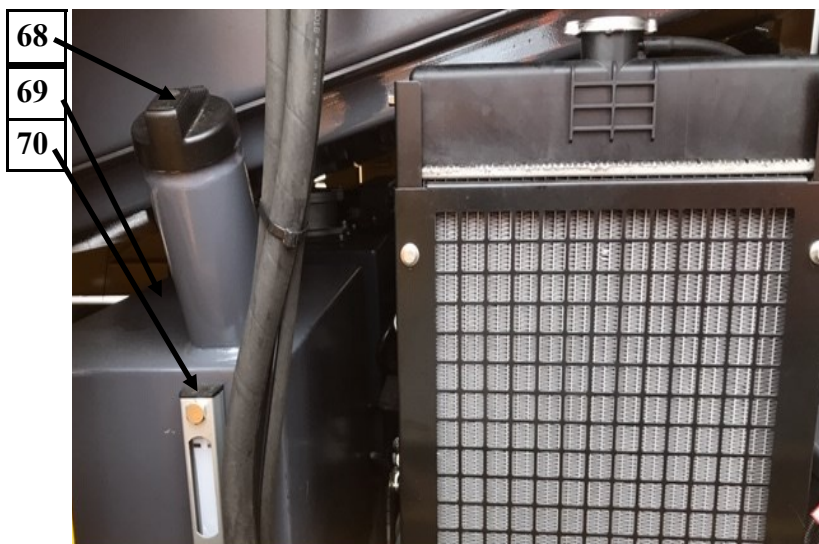


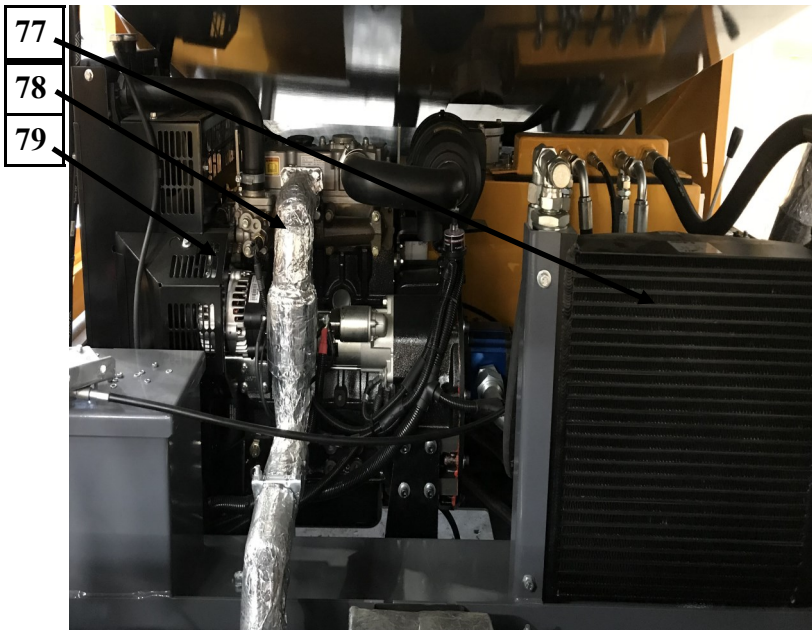
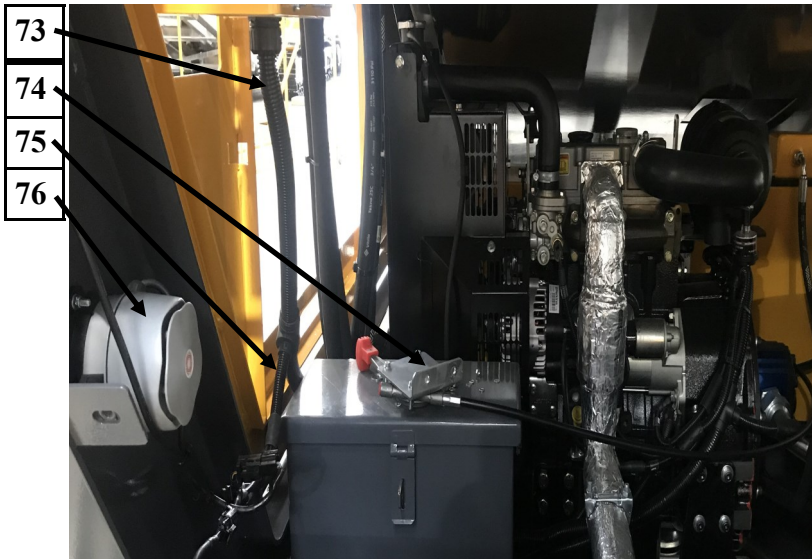












Item Number	Part Number	Description
01	3120001	Material loading point (Wear plate)
02	3120002	Top Screen greedy boards/guards
03	3120003	Top deck screening mesh (Coarse)
04	3120004	Bottom deck screening mesh (Fine)
05	3120005	Screen deck front guard panel
06	3120006	Front guard air vent (plate)
07	3120007	Draw bar
08	3120008	Support rest
09	3120009	Screen box Spring
		Screen-box rubber mounting
10	3120010	support
11	3120011	Rubber skirting
12	3120012	Skirting fastener
13	3120013	Screen clamps
14A	3120014A	Fine screen greedy boards/guards (Middle)
14B	3120014B	Fine screen greedy boards/guards (Tail)
14C	3120014C	Fine screen greedy boards/guards (Side Ends)
15	3120015	Guard upper (LHS) or (RHS)
16	3120016	Guard lower (LHS) or (RHS)
17	3120017	Exhaust pipe
18	3120018	Exhaust guard
19	3120019	Engine air breather vent
20A	3120020A	Tyre
20B	3120020B	Wheel bearing
21	3120021	Upper guard flywheel cover box
22	3120022	Engine control panel cover
23	3120023	Engine control panel
24	3120024	Door latch

25	3120025	Door (LHS) or (RHS)
26	3120026	Door hinges
27	3120027	Emergency stop
28	3120028	Grease nipples
29	3120029	Return belt scraper rubber
30	3120030	Belt scraper rubber clamp
31	3120031	Guard rear
32	3120032	Under guard rear
33	3120033	Head drum
34	3120034	Head drum bearing
35	3120035	Belt
36	3120036	Belt scraper steel
37	3120037	Return belt roller
38	3120038	Head drum grease pipes
39	3120039	Beacon
40	3120040	Hydraulic head motor
41	3120041	Head drum Coupling housing
42	3120042	Coupling
43	3120043	Coupling housing threaded bolts Hydraulic motor pipes for head drum
44	3120044	
45	3120045	Tail drum bearing grease pipes
46	3120046	Tail drum bearing
47	3120047	Tail drum
48	3120048	Tail drum thread bolt adjusters
49	3120049	Screen box motor hydraulic pipes
50	3120050	Screen box hydraulic motor
51	3120051	Screen box pulley belt

52A	3120052A	Flywheel weights
52B	3120052B	Flywheel Taper lock
53	3120053	Flywheel motor bracket
54(01)	312005401	Driving Pulley (Big pulley)
54(02)	312005402	Driving Pulley Taper-lock
54(03)	312005403	Driven Pulley (Small pulley)
54(04)	312005404	Driven Pulley Taper-lock
55	3120055	Flywheel motor adjustment bolt
56	3120056	Side belt roller
57	3120057	Horizontal belt roller
58	3120058	Engine air breather
59	3120059	Engine oil filter
60	3120060	Hydraulic pump
61	3120061	Hydraulic pump hoses
62	3120062	Power unit cover plate
63	3120063	Hydraulic tank filler cap
64	3120064	Hydraulic tank
65	3120065	Hydraulic oil level indicator
66	3120066	Screen box control valve
67	3120067	Conveyor control valve
68	3120068	Diesel tank filler cap
69	3120069	Diesel tank
70	3120070	Diesel tank indicator
71	3120071	Battery box
72	3120072	Isolator switch
73	3120073	Engine control panel wiring loom
74	3120074	Engine throttle cable
75	3120075	Siren wiring loom
76	3120076	Siren
77	3120077	Hydraulic oil cooler
78	3120078	Engine compartment exhaust
79	3120079	Engine

[illegible]

CONTACT US

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