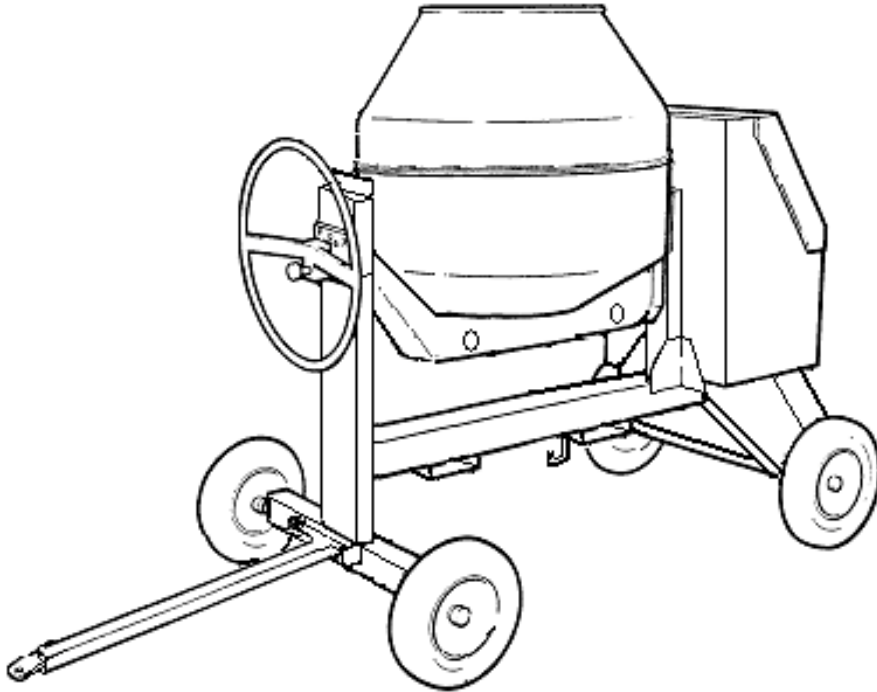


200T MIXER



OPERATORS HANDBOOK & PARTS

Manual V603683

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From Machine Serial No T200XF1333

WINGET

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The Handbook

The contents of this Handbook, although correct at the time of publication may be subject to alteration by the Manufacturers without notice. Winget Limited operate a policy of continuous product development. Therefore, some illustrations or text within this publication may differ from your machine.

WARNING



The operator must read all the Handbook and fully understand its contents before attempting to operate the machine.

THE HANDBOOK MUST NOT BE REMOVED FROM THE MACHINE.

The Handbook must be kept clean and in good condition. Additional copies of the Handbook can be obtained from your Distributor.

The contents of this Operator's Handbook are designed as a guide to the machine's controls, operation, working capacities and maintenance. It is **not** a training manual.

Only trained operators should use this machine. Contact the C.I.T.B. or equivalent body for advice on training.

WARNING



In this Handbook are **WARNING** notes. They are preceded by this symbol:

WARNING



These notes are used to indicate the procedure being described in the Handbook must be followed to avoid serious injury or death to yourself or to others, or damage to the machine.

The warnings are also used to protect the machine from unsafe servicing practices.

Pay particular attention to the warnings given in the Handbook.

If you have any doubts about any aspect of the machine's capability or servicing procedures, you must consult the manufacturer.

Warranty terms & conditions

The Manufacturer assures you that if any part of the machine becomes defective due to faulty manufacture or materials within 12 months from the date of purchase, the part will be repaired or replaced under warranty free of charge by any authorised Winget Distributor. Warranty repairs **must** be carried out by Winget Distributors.

This Warranty is given to the first owner and may be transferred to subsequent owners for the balance of the Warranty period.

The Manufacturer's liability only extends to the costs of repair or replacement of the faulty parts and necessary labour charges involved in the repairs. The Company accepts no liability for any consequential loss, damage or injury, resulting directly or indirectly from any defect in the goods.

Items not covered by Warranty and considered to be the customer's responsibility include normal maintenance services; replacement of service items and consumables; replacement required due to abuse, accident, misuse or improper operation; replacement of wearable items e.g. pins, bushes, brake linings, clutch linings etc.

The Warranty will not apply where the equipment is modified, converted, or used for purposes other than those for which it was designed, unless clearance for the modifications etc. have been granted by the Manufacturer, in writing.

The Pre-Delivery Inspection and Warranty Registration Document must be completed correctly and returned to the Manufacturer within 7 days of sale date. Failure to do so may result in the claim being subsequently rejected.

Tyres and tubes are not covered by Warranty, but are covered by the tyre manufacturer's own warranty system which provides against defects in material or workmanship. Engines are covered separately by the engine manufacturers, and engine warranty repairs must be handled by the relevant engine manufacturers' distributors.

No claim will be considered if other than genuine Winget Limited parts, which must be obtained from Winget Limited via an authorised Distributor, are used to effect a repair, or if lubricants other than those recommended by Winget Limited are used.

The equipment must be serviced in accordance with the service schedules laid down by Winget Limited. Evidence that these have been complied with may be required before Warranty Claims are reimbursed.

The Manufacturer's policy is one of continuous improvement. Winget Limited reserve the right to change specifications without notice. No responsibility will be accepted for discrepancies which may occur between specification of machines and the descriptions contained in publications.

Safety is the responsibility of the persons working with this machine. Think “safety” at all times. ***Read and remember the contents of this Handbook.***

MACHINE MODIFICATION

WARNING Any modifications to the machine will affect its working parameters and safety factors. Refer to the Manufacturers before fitting any non-standard equipment or parts.



The manufacturers accept no responsibility for any modifications made after the machine has left the factory, unless previously agreed by the Manufacturers in writing. The Manufacturers will accept no liability for damage to property, personnel or the machine if failure is brought about due to such modifications, or fitment of spurious parts.

OPERATION

WARNING Only trained operators should use this machine.



Always be aware of local and national regulations governing the use of the machine.

Always ensure that all guards are in position and correctly fitted.

Only authorised persons should be allowed to operate the mixer, or be in the immediate area.

Never add fuel or lubricant to the machine while it is running.

Keep the area around the machine clear of obstructions which could cause persons to fall onto moving parts.

Keep the body and clothing clear of all moving and hot parts.

Always ensure that during operation the mixer is standing on **stable and level ground and that the wheels are chocked.**

Keep the engine housing lid closed when the engine is running.

Always wear PPE (personal protective equipment) when operating this equipment, i.e. gloves, eye protection, ear protection.

The lifting points are designed to be used to lift the equipment for loading or unloading purposes only. Never use the lifting eyes or lashing down points in an attempt to free a machine which may be trapped in mortar or concrete.

ENGINE**WARNING**

Starting any diesel engine can be dangerous in the hands of inexperienced people. Operators must be instructed in the correct procedures before attempting to start any engine.

Always obtain advice before mixing oils; some oils are not compatible. If in doubt, drain and refill.

The materials used in the manufacture and treatment of some filters and elements may cause irritation or discomfort if they come into contact with the eyes or mouth and they may give off toxic gases if they are burnt.

Engine lifting eyes must not be used to lift the complete machine.

Ether based cold start aids in aerosol cans must not be used under any circumstances.

EXHAUST GASES CONTAIN CARBON MONOXIDE WHICH IS A COLOURLESS, ODOURLESS AND POISONOUS GAS THAT CAN CAUSE UNCONSCIOUSNESS AND DEATH.

ELECTRICAL SYSTEMS**WARNING**

Starting engines that are fitted with charge windings/alternators which have been disconnected from the battery may cause irreparable damage.

The following points must be strictly observed when charge windings are fitted otherwise serious damage can be done.

Never remove any electrical cable while the battery is connected in the circuit.

Only disconnect the battery with the engine stopped and all switches in the OFF position.

Always ensure that cables are fitted to their correct terminals. A short circuit or reversal of polarity will ruin diodes and transistors.

Never connect a battery into the system without checking that the voltage and polarity are correct.

Never flash any connection to check the current flow.

Never experiment with any adjustments or repairs to the system.

The battery and charge windings/alternators must be disconnected before commencing any electric welding when a pole strap is directly or indirectly connected to the engine.

BATTERIES CONTAIN SULPHURIC ACID, WHICH CAN CAUSE SEVERE BURNS AND PRODUCE EXPLOSIVE GASES. If the acid has been splashed on the skin, eyes or clothes flush with copious amounts of fresh water and seek immediate medical aid.

SERVICING & MAINTENANCE**WARNING**

Never allow unqualified personnel to attempt to remove or replace any part of the machine, or anyone to remove large or heavy components without adequate lifting equipment.

Before maintenance work is begun, ensure that the engine is stopped and the starting handle or start key removed to prevent un-authorized start up.

Always conform to service schedules except when an emergency calls for immediate action, or adverse conditions necessitate more frequent servicing.

Always report any defect at once, before an accident or consequential damage can occur.

On completion of maintenance, check that the machine functions correctly, and that all guards are correctly fitted.

Disposal of waste oil. Dispose of waste oil into waste oil storage tanks. If storage tanks are not available, consult your Distributor or local authority for addresses of local designated disposal points. It is illegal to dispose of waste oil into drains or water courses, or to bury it.

DECALS

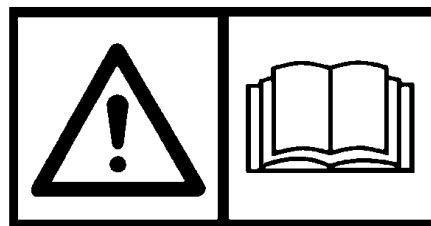
Ensure that all warning decals fitted to the mixer are legible. If any should become detached, they must be replaced immediately.

Descriptions of the pictorial decals are as follows:

Fuel tank filling point.



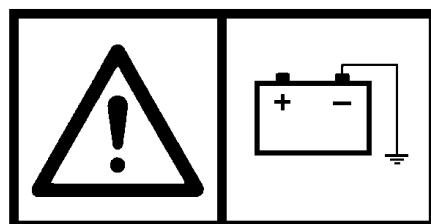
Read Operators Handbook, or Operators Handbook storage place.



Attach lifting hooks to this eye.



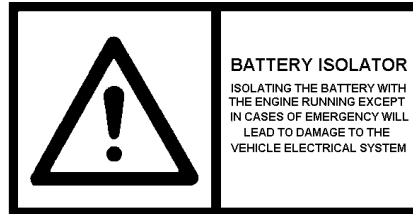
The battery negative terminal is connected to earth.



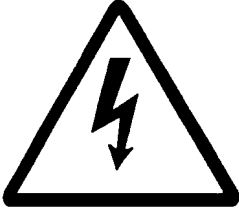
Remove starting handle.



Battery isolator.



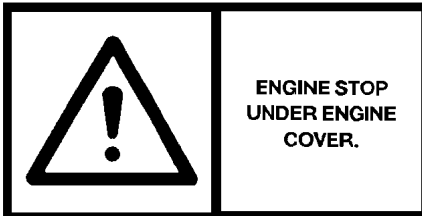
Beware of electrical hazards.



Wear ear protection.



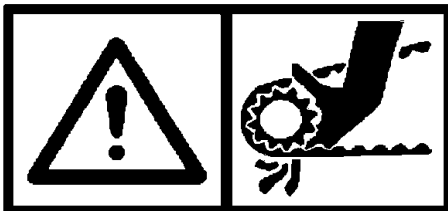
Engine stop.



Wear eye protection.



Keep clear of chain drives.



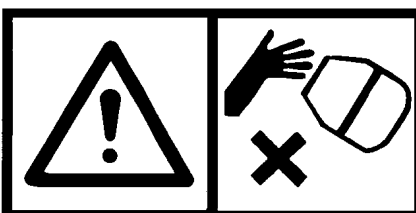
These surfaces may be hot.



Conforms to EC standards.



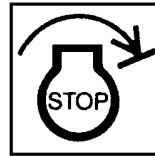
Keep hands clear of drum.



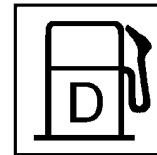
ISO 8999 safety symbols used with Lister/Petter engines



Read the handbook



Stop control (on engine)



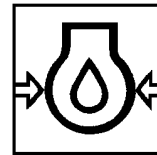
Diesel fuel fill



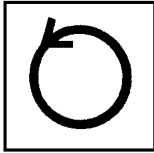
Engine oil fill



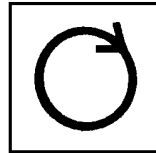
Engine oil level



Engine oil pressure



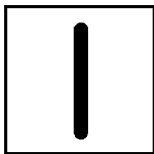
Anti-clockwise rotation



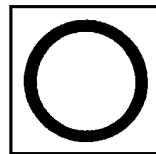
Clockwise rotation



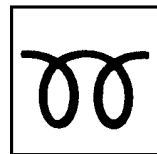
Lifting eye - engine only



On



Off



Pre-heat



Rotational speed control



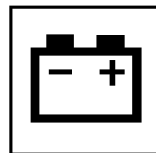
Linear speed control



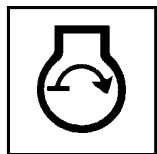
Tachometer



Elapsed hours



Battery charging



Engine cranking



Electrical hazards



General hot surface warning

Lashing down & lifting points

General

Care should be taken when lifting or transporting the mixer to ensure that lifting or retaining straps are in good condition and the following procedures must be followed when lifting or lashing down to avoid causing unnecessary damage.

It is recommended that chains or webbing slings are used to lift the mixer via the lifting eyes on the trunnion (**A**) and that ratchet type webbing straps are used to lash the mixer down.

Lifting the Mixer (Crane)

If the mixer is on site and the wheels are immersed in dried concrete or mortar the wheels must be freed before attempts are made to lift the mixer.

Using the tilting handwheel and locking plunger, lock the drum upside down as illustrated.

To prevent the drawbar swinging freely as the mixer clears the ground, turn it through 180° and hook it to the stowage point below the mainframe

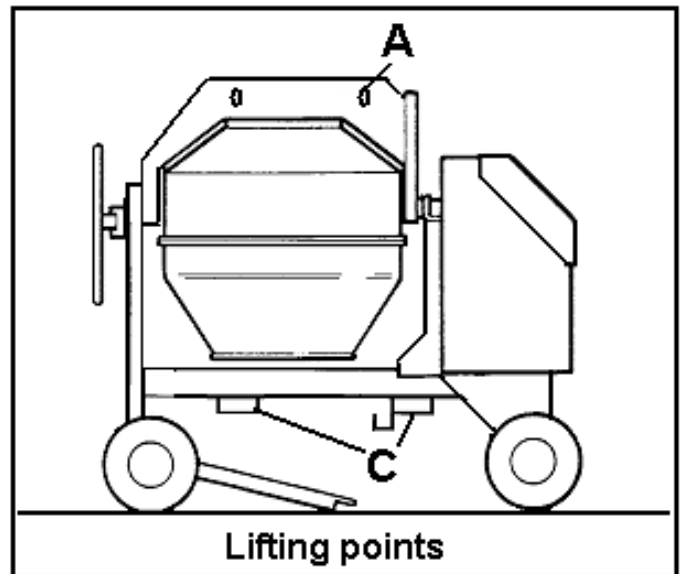
Attach suitable lifting equipment to the lifting eye (**A**) and slowly take the weight.

Do not 'snatch' the mixer otherwise damage may be caused to the lifting eye, lifting equipment or to the mixer itself.

Be aware that the mixer will tend to swing as it clears the ground.

Lifting the Mixer (Forklift/Telehandler)

If the wheels are immersed in dried concrete or mortar, free them before attempting to lift the mixer.



Using the tilting handwheel and locking plunger, lock the drum upside down as illustrated.

To prevent the drawbar swinging freely as the mixer clears the ground, turn it through 180° and hook it to the stowage point below the mainframe (**B**).

Spread the fork tines and carefully position them so that they pass through the brackets (**C**) that are attached to the mainframe.

Position the carriage as close as possible to the mixer

Slowly tilt the carriage back slightly to prevent the mixer rocking forward, then raise the mixer just clear of the ground.

Do not raise the mixer unnecessarily high. Keep the height to the minimum required to clear any obstructions without unduly obstructing your forward vision.

When travelling keep your speed to the minimum and when loading vehicles do not raise the mixer to the height of the bed until the mixer is close to the vehicle.

Similarly when unloading vehicles lower the mixer just clear of the ground as soon as it clears the side of the vehicle.

Lashing down

The drum should be locked in the upright position, as illustrated, to keep the centre of gravity as low as possible.

It is recommended that unless the mixer is pulled up against a headboard or some form of substantial wheel chocks that two ratchet type webbing straps are used to retain the mixer, one pulling to the rear and one pulling to the front.

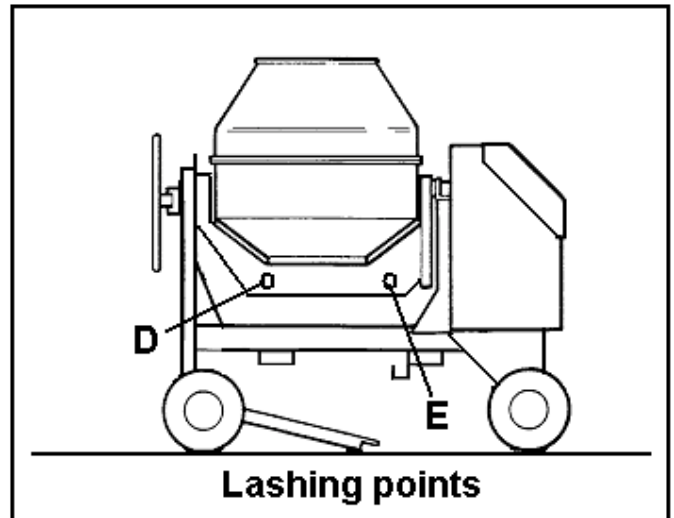
Position the mixer on the vehicle bed and chock the rear wheels to prevent it rolling until lashed down.

Turn the front axle so that the drawbar is below the mixer and hook it to the stowage point below the mainframe.

Pass one of the webbing straps through the holes in the trunnion at point **(D)** and secure the strap down to retaining hooks on the vehicle bed in front of the mixer.

Pass the second strap through the holes in the trunnion at point **(E)** and secure the strap down to retaining hooks on the vehicle bed to the rear of the mixer.

Tighten the straps by means of the ratchets until the mixer is securely held.



Installing the mixer on site

Incorporated into the mainframe and trunnion are lifting points. These are provided to assist with loading or unloading the mixer and for transportation across site.

WARNING *For mixer weights, see "Specifications"*



Never carry mixers by their lifting points on public roads.

Do not tow mixers across uneven ground.

The ground on which the mixer is operated must be level and stable. Ensure that the wheels are properly chocked.

Engine operation

WARNING *As soon as the engine has started the mixing drum will begin to rotate.*



Before starting the engine:

Ensure the engine and drum are free to turn without obstruction.

Check that the lubricating oil level is correct. The oil sump must be filled to the 'full' mark on the dipstick; do not overfill.

Check that the fuel supply is adequate and the system is primed.

Check that the starting handle is in good condition and clean

Electric key start machines only:

Ensure that the battery is connected, fully charged and serviceable.

Engine Safety

WARNING *The following pages of engine operating instructions are of a general nature and should be read in conjunction with, or substituted by the engine Manufacturer's instructions.*



Starting any diesel engine can be dangerous in the hands of inexperienced people.

Before attempting to start any engine the operator should read the 'Safe Working' section of this book and be conversant with the use of the engine controls and the correct starting procedures.

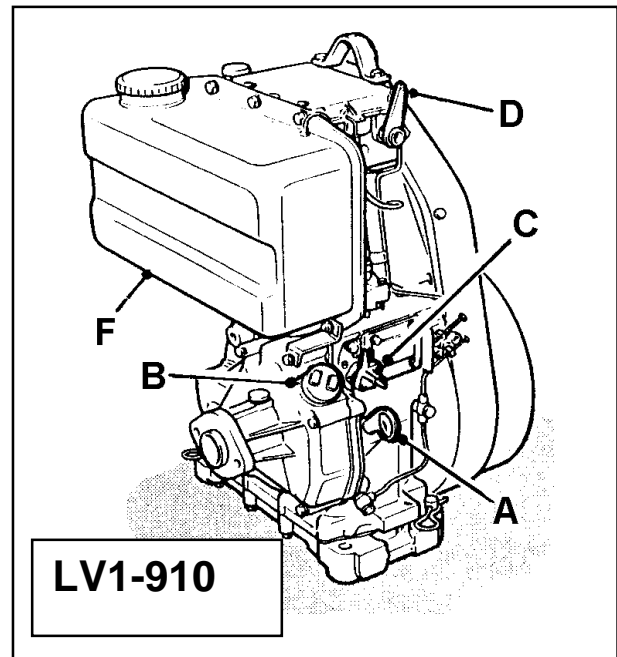
ETHER BASED COLD START AIDS IN AEROSOL CANS MUST NOT BE USED UNDER ANY CIRCUMSTANCES.

EXHAUST GASES CONTAIN CARBON MONOXIDE WHICH IS A COLOURLESS, ODOURLESS AND POISONOUS GAS THAT CAN CAUSE UNCONSCIOUSNESS AND DEATH.

LV1-910 engines

Description

- A Dipstick
- B Lubricating oil filler
- C Engine control
- D Decompressor lever
- F Fuel tank



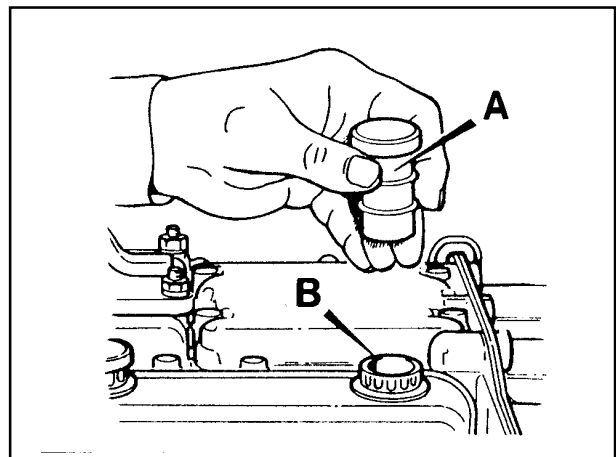
The cold start aid (*where fitted*)

The cold start aid is fitted to the combustion air intake port and is used when the ambient temperature is below -10 deg.C (14 deg.F).

With the fuel turned on, turn the engine for up to 20 revolutions to prime the fuel and lubrication systems.

Withdraw the plunger (A) and fill one third of the cup (B) with the same type of lubricating oil as used in the engine.

Replace the plunger and inject the oil just before starting the engine.



WARNING *The device must not be used more than three times in succession during the same attempt to start the engine.*

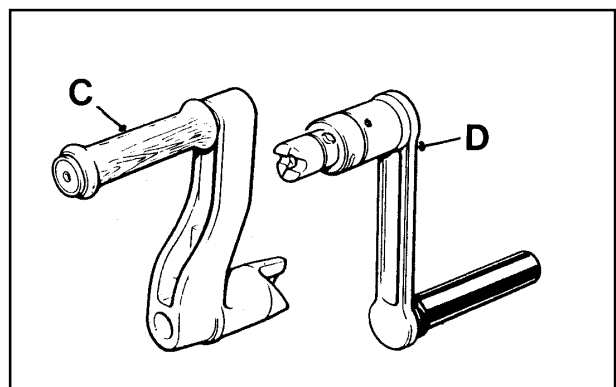


The starting handle(s)

A non-limited kick-back handle (C) or limited kick-back handle (D) system may be fitted to the engine.

The two handles are not interchangeable and care must be taken to ensure the correct type is retained with the engine.

Always use the correct starting handle which has been designed for the engine.



Ensure there are no burrs on the handle.

Before attempting to use the handle, clean and lightly oil that part of it which fits onto the engine.

Hand starting the engine

Select the excess fuel position by gently pulling the engine control lever (**L**) outward over the middle catch (**M**) and turning it fully clockwise.

Move the decompressor lever towards the flywheel (**N**).

Insert the correct handle (See: 'Starting handles') into the starting housing.

Turn the engine slowly for up to 20 turns to prime the combustion chamber and lubricating oil system.

Maintaining a firm grip on the starting handle, crank the engine really fast and when sufficient speed is obtained move the decompressor lever towards the gear end and continue to crank until the engine fires.

Retain a firm grip on the handle and remove it from the engine.

Turn the engine control lever (**L**) anti clockwise to the normal running position at (**M**).

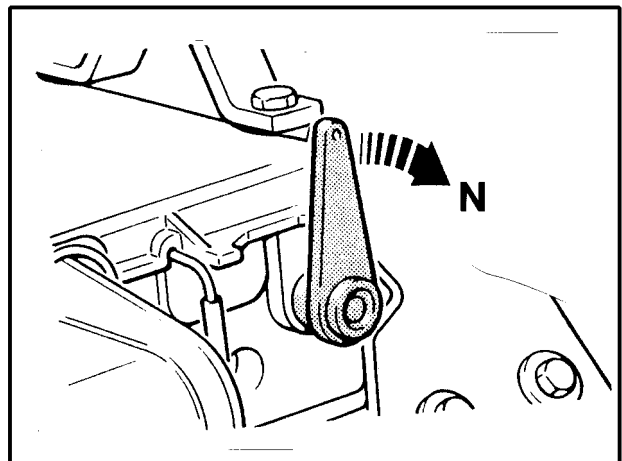
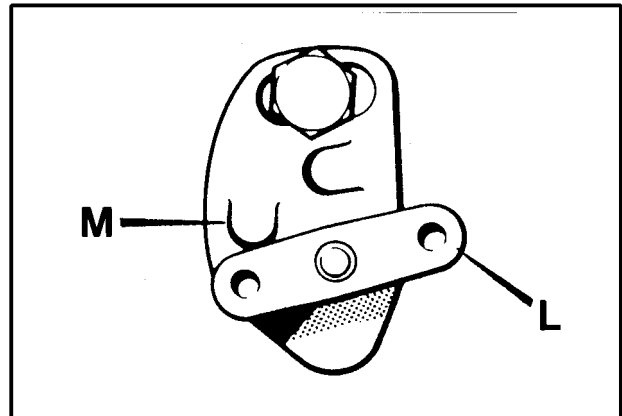
Close the engine lid and ensure that it stays closed while the engine is running.

WARNING Do not stop the engine with a load in the drum.



Stopping the engine

Turn the engine control anti-clockwise to the STOP position and hold it there until the engine comes to rest.



WARNING Never stop the engine by using the decompressor lever, or valve damage may occur.



Yanmar L48 ARE-SE/L48N5SJ1

Description

- A Fuel cock
- B Engine speed lever
- E Starting key

Electric starting the engine

Open the fuel cock (A). Put the engine start lever to the RUN position (B).

Turn the starting key (E) clockwise to START position.

Remove your hand from the key as soon as the engine starts.

If the engine does not start after 10 seconds, wait for another 15 seconds before attempting to start again.

WARNING



If the starter motor is turned for too long, the battery will go flat and motor seizure will occur. Always leave the starting key turned on, in the ON position, while the engine is running.

Check monthly that the battery fluid is at the correct level.

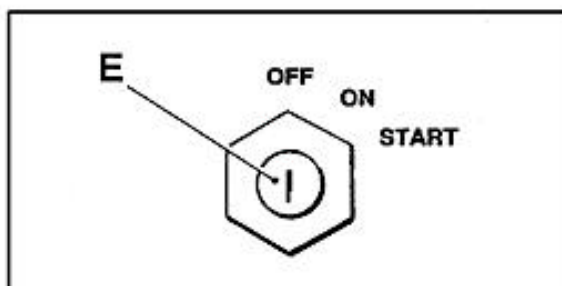
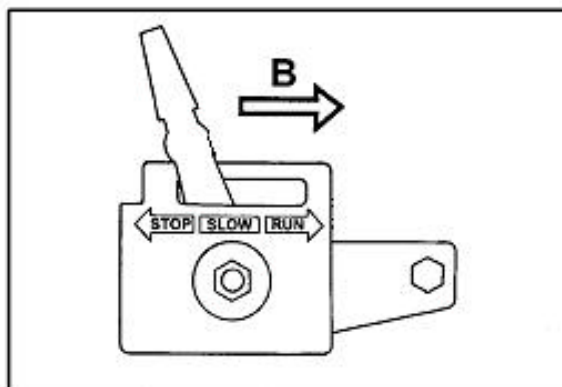
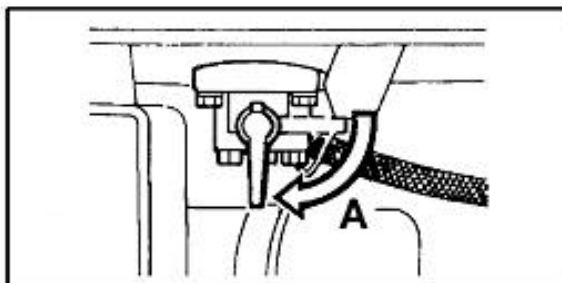
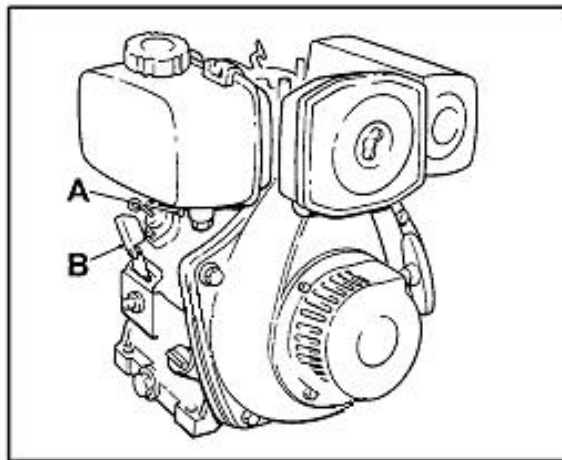
Cold Starting

In cold weather, if the engine is hard to start, remove the rubber plug of the rocker arm cover and add 2cc of engine oil before starting. Do not add more than 2cc of engine oil to prevent internal engine damage.

WARNING



Never use any cold starting aids such as ether (Easy start), gasoline, paint ether or other volatile liquid or gas.



Keep the rubber plug in the cover except when adding oil. If the plug is not in place, rain, dirt and other contaminants may enter the engine and cause accelerated wear of internal parts.

Yanmar L48 ARE-SE/L48N5SJ1

Stopping the engine

Return the engine speed lever to the STOP position by depressing the red button on the stop control to release this control into the STOP position.

With electric-start engines, turn the starter key to the OFF position.

Set the fuel cock lever to the CLOSED position.

Slowly pull out the recoil handle until pressure is felt (that is, to the point in the compression stroke where the intake and exhaust valves are closed), and leave the handle in this position. This prevents rust from forming while the engine is not in use due to condensation.

WARNING



If the engine keeps on running even after the speed lever is placed at STOP position, stop the engine by closing the fuel cock.

Do not stop the engine with the decompression lever.

Yanmar L48 ARE-SE/L48N5SJ1

Manual starting in the event of a flat battery

Description

- A Fuel cock
- B Engine speed lever
- C Decompression lever
- D Recoil starting handle

Starting the engine

Open the fuel cock **(A)**.

Put the engine start lever to the RUN position **(B)**.

Turn the start key to ON.

Pull out the recoil starting handle **(D)** slowly until you feel a strong resistance, then return it to the initial position.

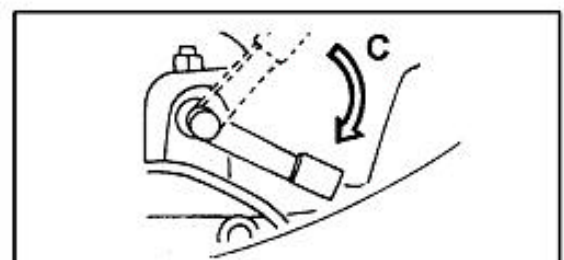
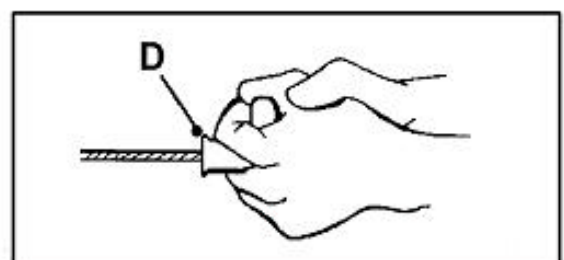
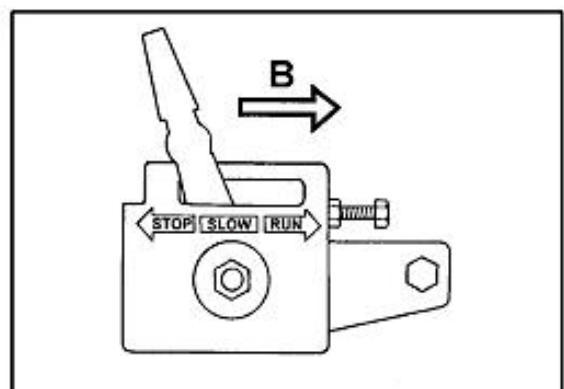
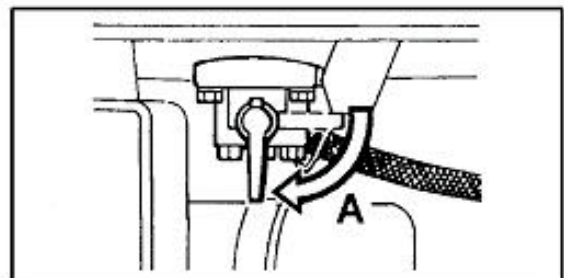
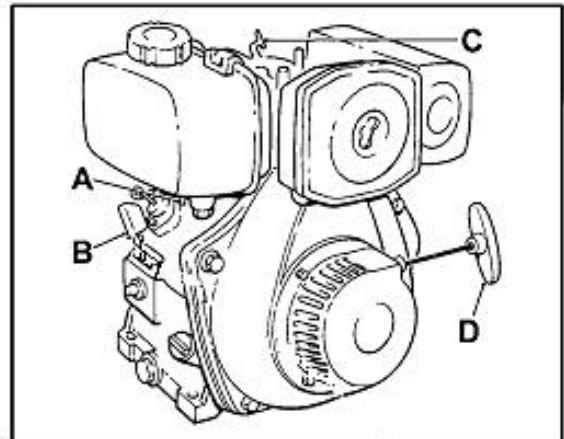
Push down the decompression lever **(C)**. It will return automatically when the recoil starter is pulled.

Grip the recoil starting handle **(D)** firmly with both hands. Pull the rope hard and fast. Pull it all the way out.

The engine should now have started. If it has not, repeat the procedure.

Cold Starting

In cold weather, if the engine is hard to start, use the same cold start procedure as described on page 2.4.



Before mixing

The operator must calculate the correct percentages of water and aggregates to be mixed.

WARNING *Cements can cause skin irritation; wear protective clothing.*

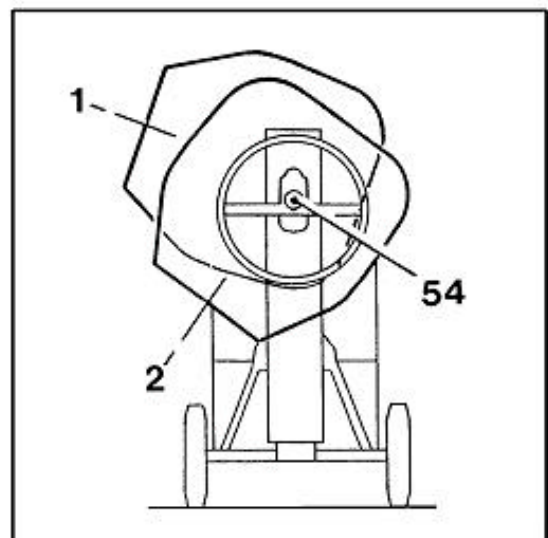


Mixer drum positions

The locking plunger (54) holds the mixing drum in one of the following positions *Charge and Mix (1)* or *Discharge (2)*.

To release the handwheel: Rotate the plunger (A) until the cross-pin (B) aligns with the slot (C), then pull the plunger outwards (D).

To lock the handwheel: Align the plunger with the appropriate hole in the frame, then push (E) and rotate the plunger until the cross-pin is vertical (F).



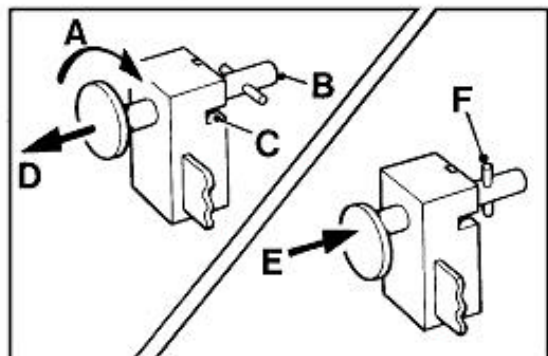
Mixing

Turn the drum to *Charge and Mix* position (1).

With the mixer running; charge the drum with the correct percentages of water and aggregates, then allow mixing to continue for about two minutes.

Ensure that a suitable container has been positioned by the side of the mixer to catch the discharging load.

Turn the drum to *Discharge (2)*, and allow the load to run into the container.



At the end of the working day

- A** Thoroughly clean out the mixing drum with water and gravel.
- B** Stop engine, and remove the starting handle and or start key to prevent unauthorised use of the machine.
- C** Grease the machine.
- D** If the mixer has a diesel engine, fill the fuel tank.
- E** Ensure the mixer is secured to prevent theft

SERVICE SCHEDULE

(See also the relevant Engine Workshop Manual)

YANMAR ENGINES
 For servicing Yanmar engines, see the engine 'Operation Manual'

| | |
|--------------------------------|--|
| Every day | |
| Links & hinges: | Lubricate. |
| Shafts & bearings: | Lubricate. |
| Engine: (see Engine Manual) | Check fuel and lubricating oil levels. Check for oil and fuel leaks. Clean/replace air cleaner element under very dusty conditions |

| | |
|---|--|
| Every week (or 50 hours running) The above and following items | |
| Nuts, bolts and keys. | Tighten (Each week for first month). |
| Drive chains & Belts: | Lubricate & check tension, check V belt tension on ES engines. |
| Drum Bevel Gears: | Lubricate with open gear fluid. |

| | |
|---|--|
| Every 125 hours. The above and following items | |
| Engine: | Clean/replace air cleaner element under moderately dusty conditions. |
| Battery (where fitted): | Check condition. |

| | |
|---|---|
| Every 250 hours. The above and following items | |
| Nuts, bolts & keys: | Tighten. |
| Engine: | Change lubricating oil. Check valve clearance. (see Engine Manual). Clean/replace injectors if exhaust is dirty. (see Engine Manual) Renew fuel filter element if the fuel is not perfectly clean. |

| | |
|---|--|
| Every 500 hours. The above and following items | |
| Engine: | Replace air cleaner element. Check exhaust and induction for leaks, damage or restrictions. Renew fuel filter element. Check battery charge winding system. (see Engine Manual) |

| | |
|--|---|
| Every 1000 hours. The above and following items | |
| Engine: (see Engine Manual) | Decarbonise if the engine performance has deteriorated. Clean cylinder barrel and head fins. Clean restrictor banjo union at the cylinder head end of the oil feed pipe. Flush and refill fuel tank. |

| | |
|--|---|
| Every 5000 hours. The above and following items | |
| Engine: | Major overhaul, if necessary. (see Engine Manual) |

SERVICING PROCEDURE

Greasing and lubrication

WARNING *It is essential that oils and grease used for servicing do not become contaminated with sand or cement dust.*



Every day

Apply a little engine oil to pins, joints and hinges etc. to ensure that they move easily and are free from corrosion.

Shafts and bearings fitted with grease nipples must be greased using a good quality medium grease.

Bearings must not be allowed to run dry. When greasing it is better to give a little frequently rather than a lot at long intervals.

Drum drive

Every week (or 50 hours running)

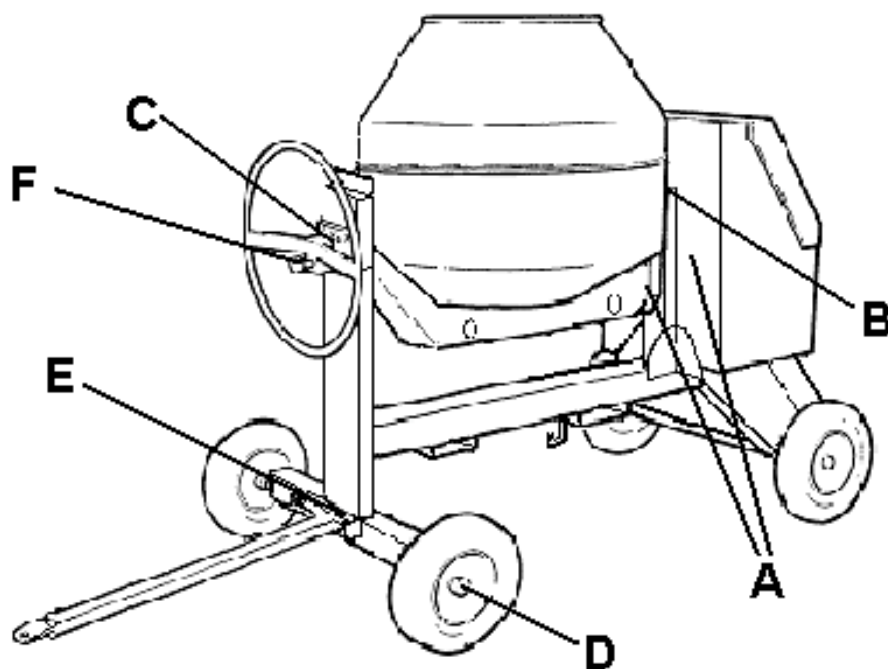
Lubricate drive chains **(A)** with a little engine oil. (Do not oil the belts of Yanmar engined machines.)

Check the tension of the chains and adjust if necessary as follows:

- 1 On the slack side of the chain there should be free movement equal to the length of one pitch of the chain.
i.e. If the pitch of the chain is 20mm, then the movement on the slack side should be 20mm.
- 2 Never over-tighten the chain as this will put excessive strain on engine bearings causing vibration and wear.

Lubrication Points

| | | | Number of points |
|---|--------------------------------|--------|------------------|
| A | Drive chains | Oil | 2 |
| B | Trunnion pivots | Grease | 1 |
| C | Tilt wheel | Oil | 1 |
| D | Wheels (Solid rubber) | Oil | 4 |
| E | Steering joint | Oil | 1 |
| F | Locking plunger | Oil | 1 |



Bolt torques

Every week for the first month, then every three months

Check the tightness of all bolts, nuts, and keys etc. Pay particular attention to engine mounting bolts.

Engine, general servicing

Under very dusty conditions, air cleaners, lubricating oil and fuel filters will require more frequent attention. (see the "Service Schedule" on page 3.1)

WARNING *The materials used in the manufacture and treatment of some filters and elements may cause irritation or discomfort if they come into contact with the eyes or mouth and they may give off toxic gases if they are burnt.*

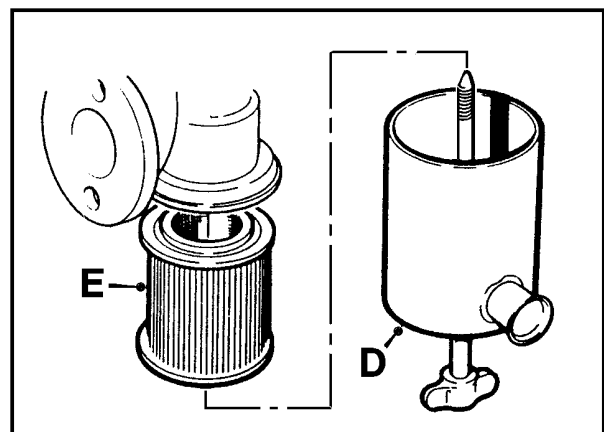
Air cleaner

Every day or 125 hours (see schedule)

Change the LV1-910 air cleaner as follows:

Remove the cover (**D**) by removing the centre bolt.

Remove the old element (**E**) and fit a new one.



Engine lubrication oil

Every day

Check lubrication oil level with the dipstick. Top up if necessary.

Every 250 hours

Drain and refill the oil sump as follows:

WARNING



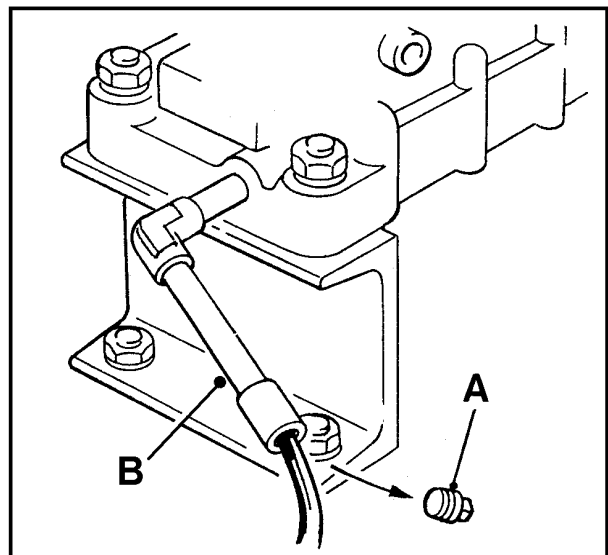
Dispose of waste oil into waste oil storage tanks. If storage tanks are not available, consult your Distributor or local authority for addresses of local designated disposal points. It is illegal to dispose of waste oil into drains or water courses, or to bury it.

Oils and fuels can cause skin irritation. Wear suitable protective clothing to prevent skin contact.

If possible run the engine immediately before draining the oil.

Place a suitable container under the drain plug. Remove the drain plug **(A)** and drain oil.

Replace the drain plug **(A)** taking care not to overtighten it.



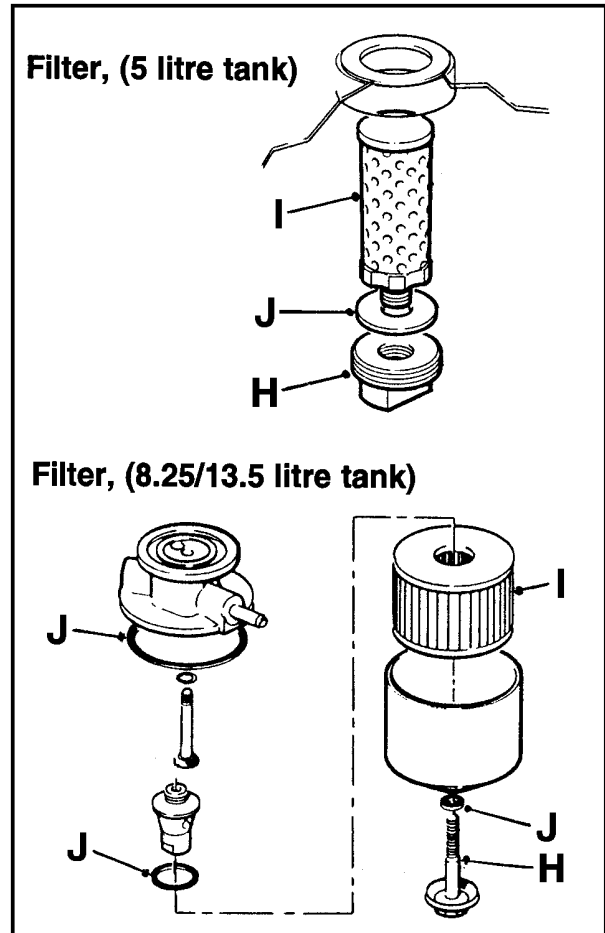
Fuel filter

Every 250 hours or 500 hours (see schedule)

Before changing the filter read the warnings in the "Safe working" section of this handbook.

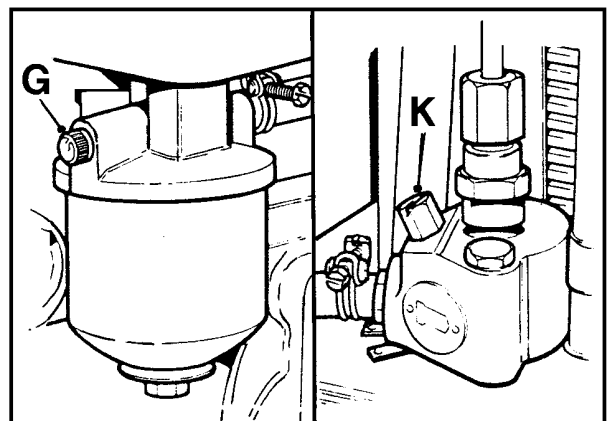
Change LV1-910 fuel filters as follows:

- Remove the retaining bolt or plug (H).
- Remove the old element (I) and joints (J).
- Fit a new element and new joints.
- Replace and tighten the retaining bolt or plug (H).
- Prime the fuel system.



Prime LV1-910 fuel system as follows:

- Fill the fuel tank.
- Move the engine control lever to the 'RUN' position.
- Vent the filter through bleed screw (G) until a full air free flow of fuel is obtained.
- Vent fuel through the pump bleed screw (K) until a full air free flow of fuel is obtained.



Battery

WARNING

*BATTERIES CONTAIN
SULPHURIC ACID WHICH
CAN CAUSE SEVERE
BURNS AND PRODUCE
EXPLOSIVE GASES.*

*If the acid has been splashed
on the skin, eyes or clothes
flush with copious amounts of
fresh water and seek
immediate medical aid.*

Check the battery as follows:

Wear protective gloves and goggles.

Clean the top of the battery filler plug area.

Remove the filler plugs and check that the electrolyte level is 6.0-9.0mm (0.25-0.37in) above the tops of the separators.

If necessary top up with distilled water.

In cold weather distilled water should only be added immediately before running the engine.

Replace and tighten the filler plugs.

Check that the terminal connections are tight; petroleum jelly will help to protect them from corrosion.

Mixer drum assembly

The drum is manufactured in two halves joined together by a drum clip. This allows either half to be replaced separately.

Some export machines are delivered with the drum cone and blades detached. This is to aid shipping.

There are two methods of reassembling the two halves of the drum, they are:

1 Assembling drum using special clamping tool.

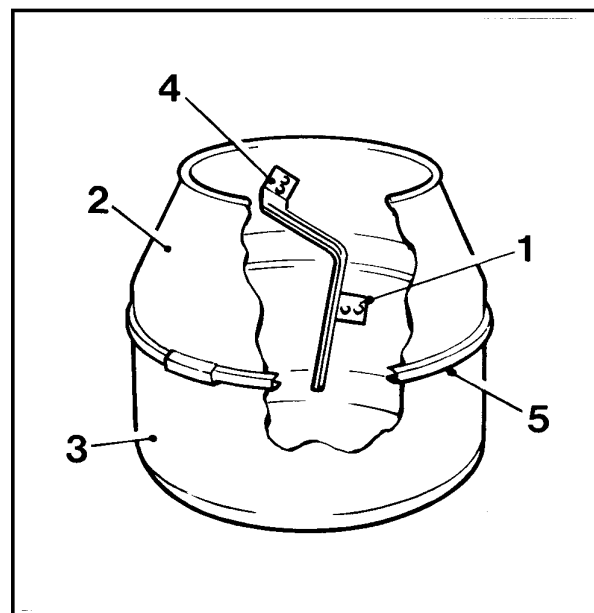
(The special clamping tool, part number 513204000 can be obtained from any Winget distributor.)

- A** Bolt the two blades into the drum base **(1)**. Tighten the bolts with fingers only.
- B** Smear silicone sealant around the mating flanges of the cone **(2)** and drum base **(3)**. (see 'Specifications' for mixer drum sealant)

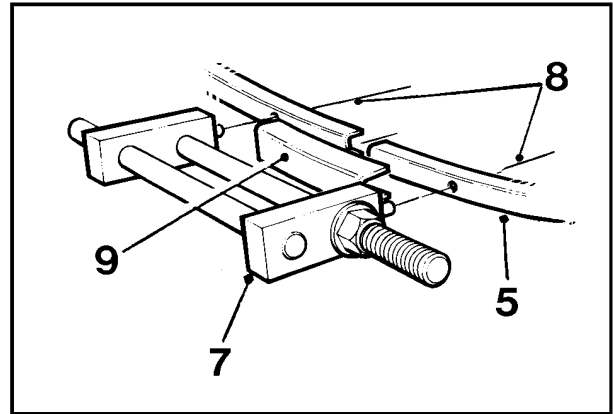
WARNING *When applying silicone sealer, prevent contact with skin by wearing suitable gloves.*



- C** Lift the cone **(2)** over the blades and position it on the drum base **(3)**.
- D** Turn the cone until the two holes at the top of each blade **(4)** align with the holes in the cone. Fit bolts and tighten with fingers only.
- E** Smear silicone sealant around the inside face of the drum clip **(5)** (leave 150mm each end of the clip clear of sealant to avoid risk of fire when welding).
- F** Locate the drum clip around the periphery of the drum base and cone flange.

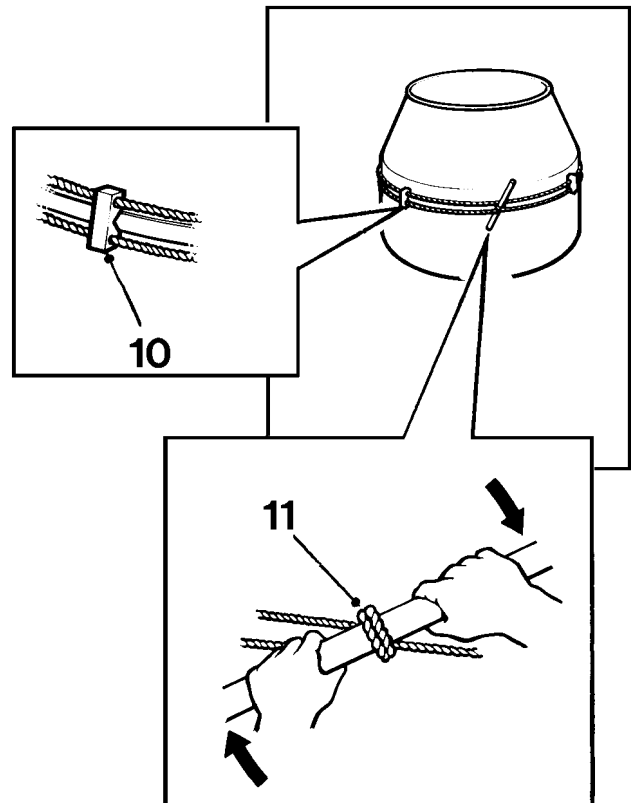


- G** Locate the clamping tool (7) into the two holes (8) of the drum clip. Tighten the tool securely using a suitable spanner.
- H** Centralise the bridge piece (9) on the drum clip between the jaws of the clamping tool.
- I** Weld the bridge piece (9) to the drum clip (5). Remove the clamping tool (7).
- J** Tighten securely all of the blade fixing bolts.



2 Assembling drum using a tourniquet.

- A** If the special clamping tool is not available a tourniquet can be used as illustrated by looping a length of rope through four blocks of wood (10), each block having a vee cut, and two holes to take the rope.
- B** Twist the rope around a bar (11) to tighten the drum clip.
- C** All other aspects of the assembly are the same as "Assembling the drum using special clamping tool".



Mixer drum drive overhaul

On reassembling the drum drive, after an overhaul, the following points must be observed:

Note: It is important to pack all sealed bearings with grease prior to assembly.

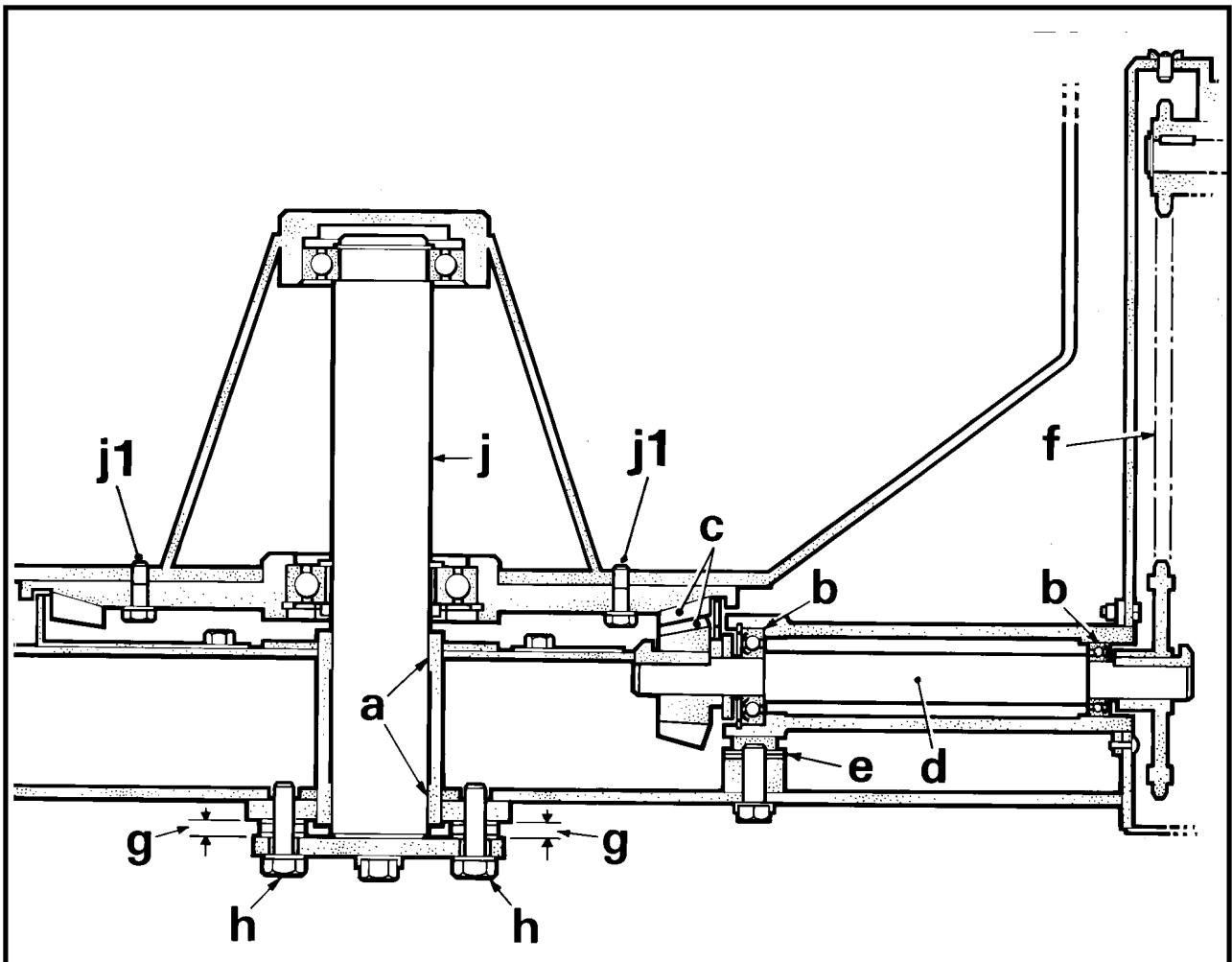
- A** Coat with an anti-seize compound the drum shaft (**j**) at points (**a**), and the screws (**j1**).
- B** The bearings (**b**) on either end of the bevel pinion shaft (**d**) are sealed for life and therefore require no maintenance.
- C** The bevel gears (**c**) are to be coated liberally with Open Gear Fluid.

D The bevel pinion assembly (**d**) must be set horizontally in the trunnion. Do this as follows:

Ensure that the drive chain (**f**) is correctly adjusted, then set the bevel pinion assembly (**d**) horizontal by adjusting shims (**e**).

E To adjust the mesh of the bevel pinion gears proceed as follows:

Allow the bevel gear to sit fully in mesh with the bevel pinion. Check the number of washers required to fill the gap (**g**) between the drum shaft flange and the trunnion face. Remove one washer from each side, fit screws (**h**) and tighten. Backlash approx 3mm max



Lubricants

Mixers are factory filled with the following TOTAL oils.

| | | | |
|---|-----------------|----------------|--------------------|
| Engine, LV1-910: | lubricating oil | Rubia B 10W/30 | 1.3 litres |
| Yanmar L48: | lubricating oil | Rubia B 10W/30 | 0.8 litres |
| <i>Note: In cold weather engines are to be filled with 10W oil to aid starting.</i> | | | |
| LV1-910: | fuel | | 5.0 or 8.25 litres |
| Yanmar L48: | fuel | | 2.5 litres |

| | |
|--|---------------------|
| Drive chains | Rubia B 20W/30 |
| Bevel gears | Open gear fluid |
| Drum shaft | Anti-seize compound |
| Grease nipples | Multis EP 2 |
| Linkages, hinges, bushes, pins, wheels | Rubia B 20W/30 |

Noise levels of mixers

(Measured in accordance with EC Directive 2000/14/EC)

| | | |
|--------|---------|----------------------------|
| LPA 83 | LWA 102 | Lister-Petter LV1-910 |
| LPA 80 | LWA 101 | Yanmar L48 ARE-SE/L48N5SJ1 |

Drum speed

Handbrake

| | |
|------------------|---|
| 22 rpm (approx.) | Tested to hold on a 5° & 10° slope with 600Kg of test weights applied |
|------------------|---|

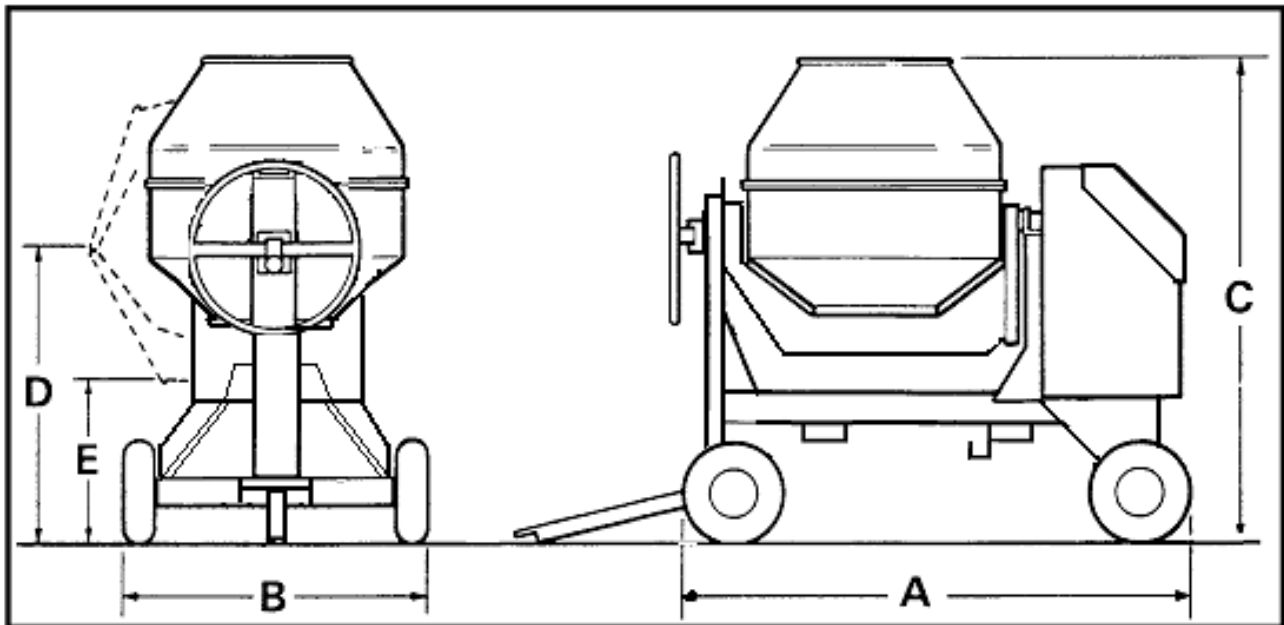
Mixer drum sealant

| | |
|------------------|------------------------|
| Silicone sealant | (part number V2000772) |
|------------------|------------------------|

Lister Petter & Yanmar Engines

| | |
|---|---|
| Lister-Petter LV1-910 (Standard) 3 kW (4 hp) @ 1500 rpm | Yanmar L48 ARE/L48N5SJ1 (Option) 2.5kW (3.4hp) @ 3000 rpm |
|---|---|

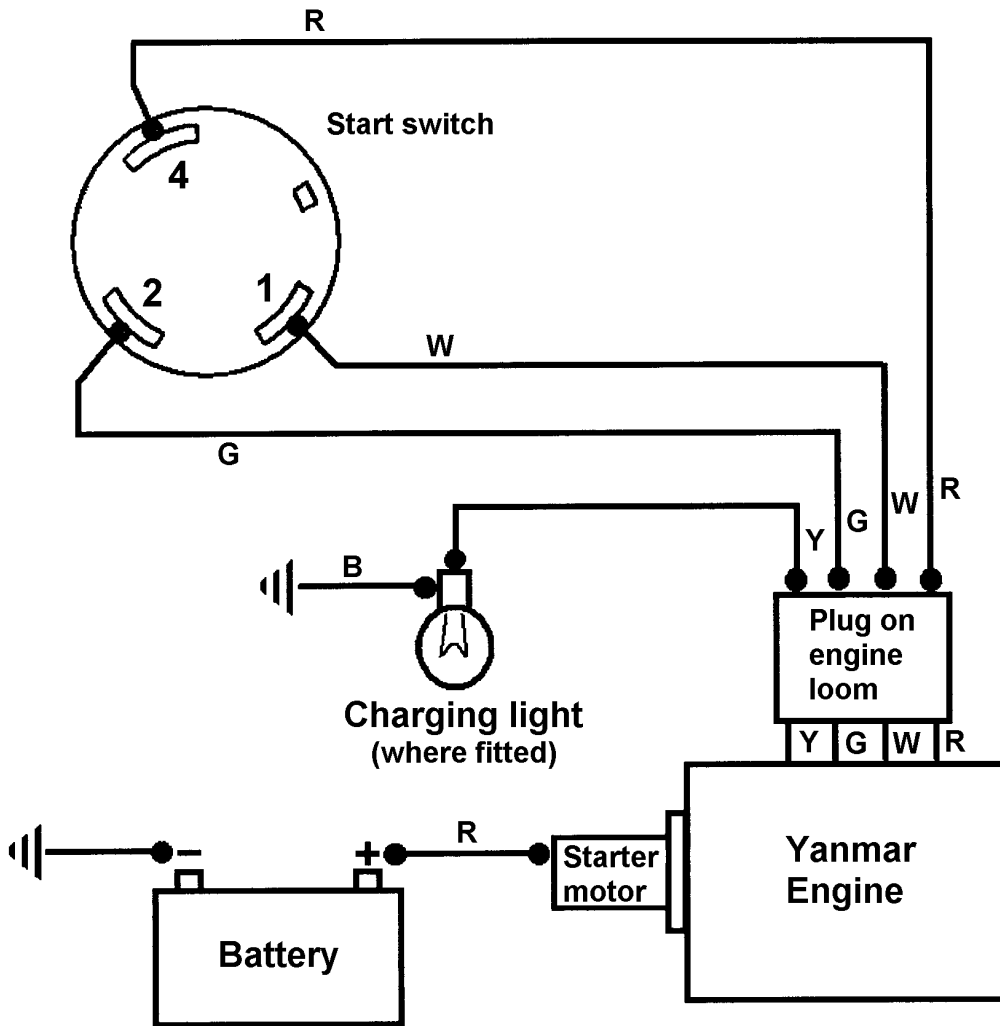
Dimensions



| | |
|---------------------------|---------------------------|
| A Overall length | 1980 mm |
| B Overall width | 1110 mm |
| C Overall height | 1815 mm |
| D Loading height | 1220 mm |
| E Discharge height | 510 mm |
| -- Weight (approx) | 585 kg (LV1) 500 kg (L48) |

Yanmar L48 ARE-SE/L48N5SJ1 key start wiring circuit

In addition to the circuit shown below, the engine is fitted with its own loom.
 (see Yanmar service literature)



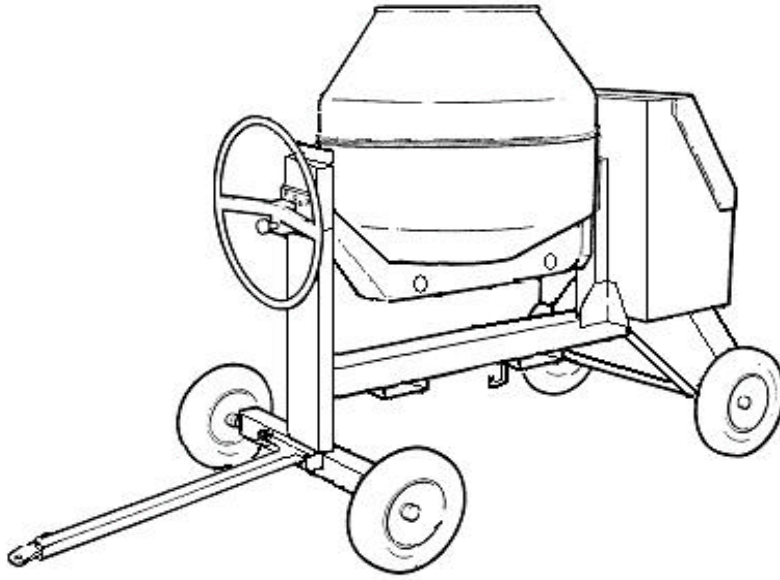
Wire colours

- R Red
- B Black
- G Green
- W White
- Y Yellow

NOTE: Wire identification

The red wire to the battery is much thicker than the red wire to the start switch.

200T MIXER



**Mixers manufactured from
serial number T200XF1333**

CONTENTS

A - 1 MAINFRAME & FRONT AXLE

A - 2 PANELS

B - 1 DRUM

B - 2 TILT WHEEL

B - 3 TRUNNION

B - 4 DRUM DRIVE

C - 1 LISTER- PETTER LV1-910 engine

C - 2 YANMAR L48ARE/L48N5 electric start engine

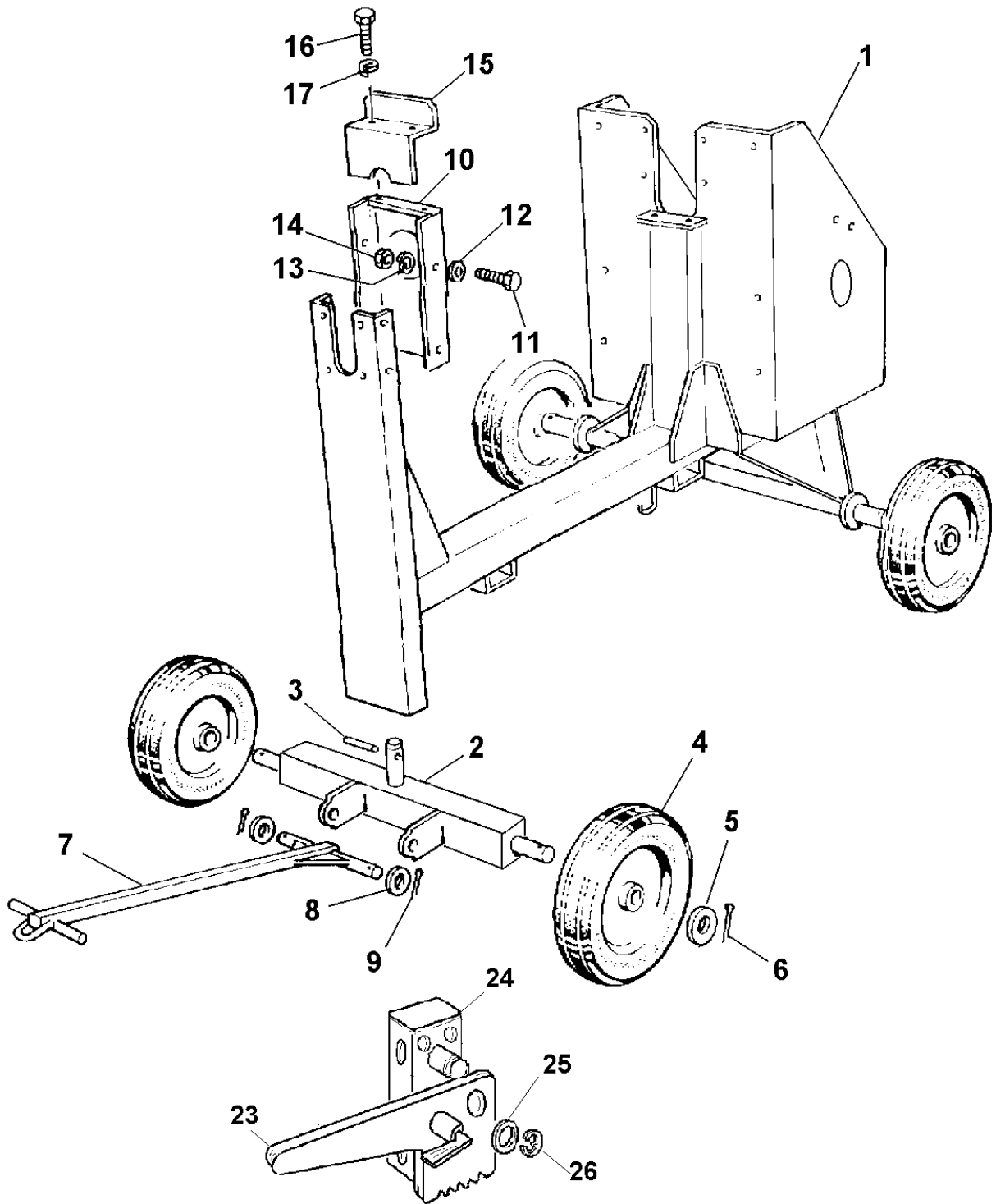
C - 3 ELECTRICS for Yanmar engine

C - 4 CABLE emergency stop, L48N5

D - 1 DECALS & PLATES

D - 2 SPECIAL TOOLS

<<< TO BEGINNING OF MANUAL



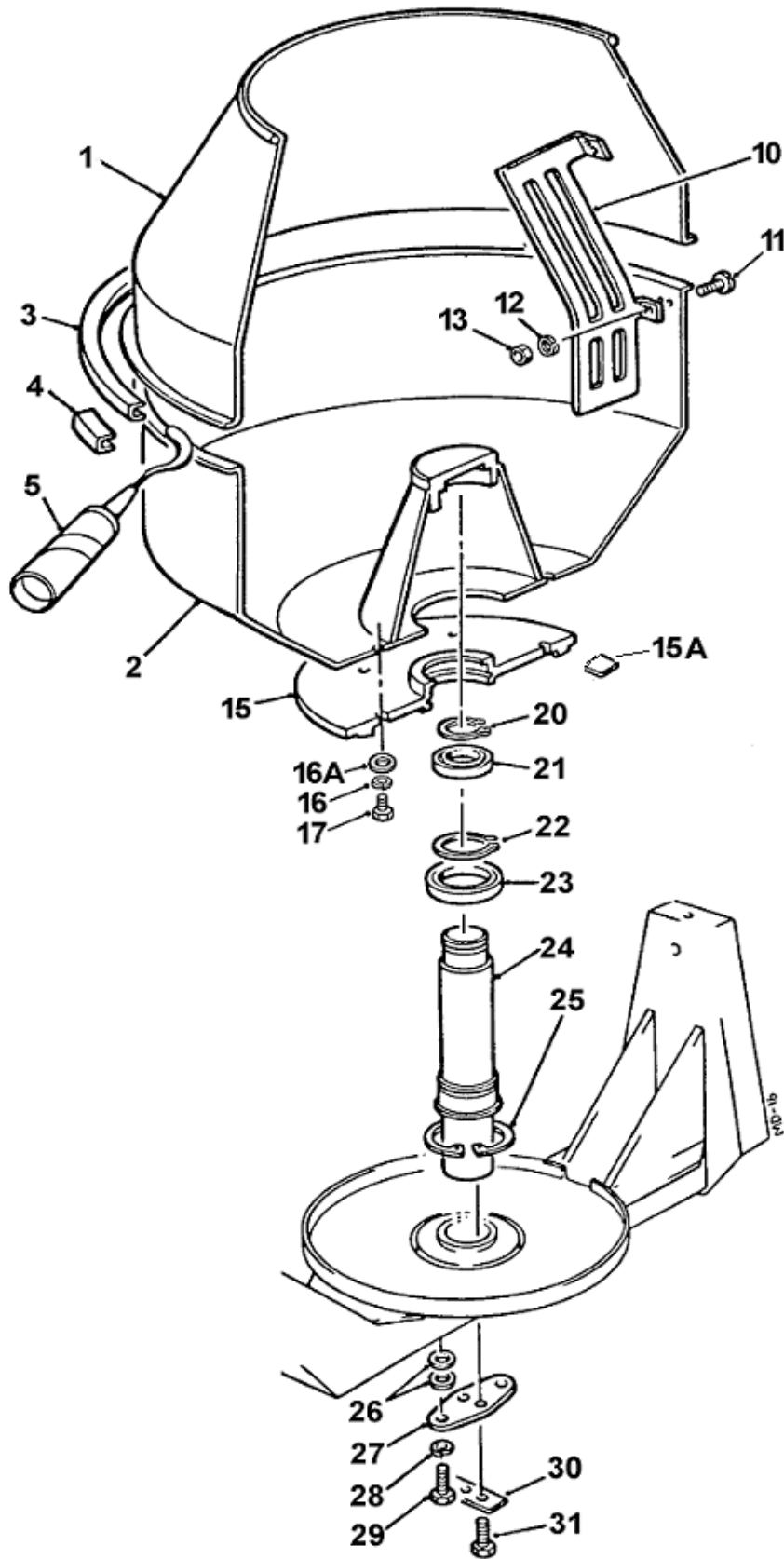
MAINFRAME & FRONT AXLE**A - 1**

| Item | Part no | Serial no | Description | Qty |
|------|-----------|-----------|--|-----|
| 1 | 513365000 | | MAINFRAME | 1 |
| 2 | 513367100 | | AXLE, front | 1 |
| 3 | 353830650 | | PIN, spirol | 1 |
| 4 | 475115000 | | WHEEL, solid rubber 400mm dia | 4 |
| 5 | 10S09 | | WASHER, flat | 4 |
| 6 | 44S05G | | PIN, split | 4 |
| 7 | 513341200 | | BAR, towing | 1 |
| 8 | 10S17 | | WASHER, flat | 2 |
| 9 | 44S03D | | PIN, split | 2 |
| 10 | 513198401 | | GUARD, tlt wheel lower | 1 |
| 11 | 11S04B | | SCREW, set | 4 |
| 12 | 267S06 | | WASHER, flat | 4 |
| 13 | 17S05 | | WASHER, spring | 4 |
| 14 | 7S04 | | NUT | 4 |
| 15 | 513198402 | | GUARD, tilt wheel upper | 1 |
| 16 | 11S02B | | SCREW, set | 2 |
| 17 | 17S03 | | WASHER, spring | 2 |
| | | 1526/ | | |
| 18 | 513371000 | | PLATE, handbrake mounting (not illustrated) | 1 |
| 19 | 11S04D | | SCREW, set | 2 |
| 20 | 267S06 | | WASHER, flat | 4 |
| 21 | 17S05 | | WASHER, spring | 2 |
| 22 | 7S04 | | NUT | 2 |
| 23 | 513370700 | | LEVER, handbrake assembly | 1 |
| 23A | 513370800 | | CATCH, sprung | 1 |
| 24 | 513370600 | | PIVOT, bracket | 1 |
| 24A | 11S04C | | SCREW, set, not illustrated | 2 |
| 24B | 17S05 | | WASHER, spring, not illustrated | 2 |
| 24C | 267S06 | | WASHER, flat, not illustrated | 2 |
| 25 | 10S18 | | WASHER, flat | 1 |
| 26 | 132412010 | | CIRCLIP | 1 |

PANELS

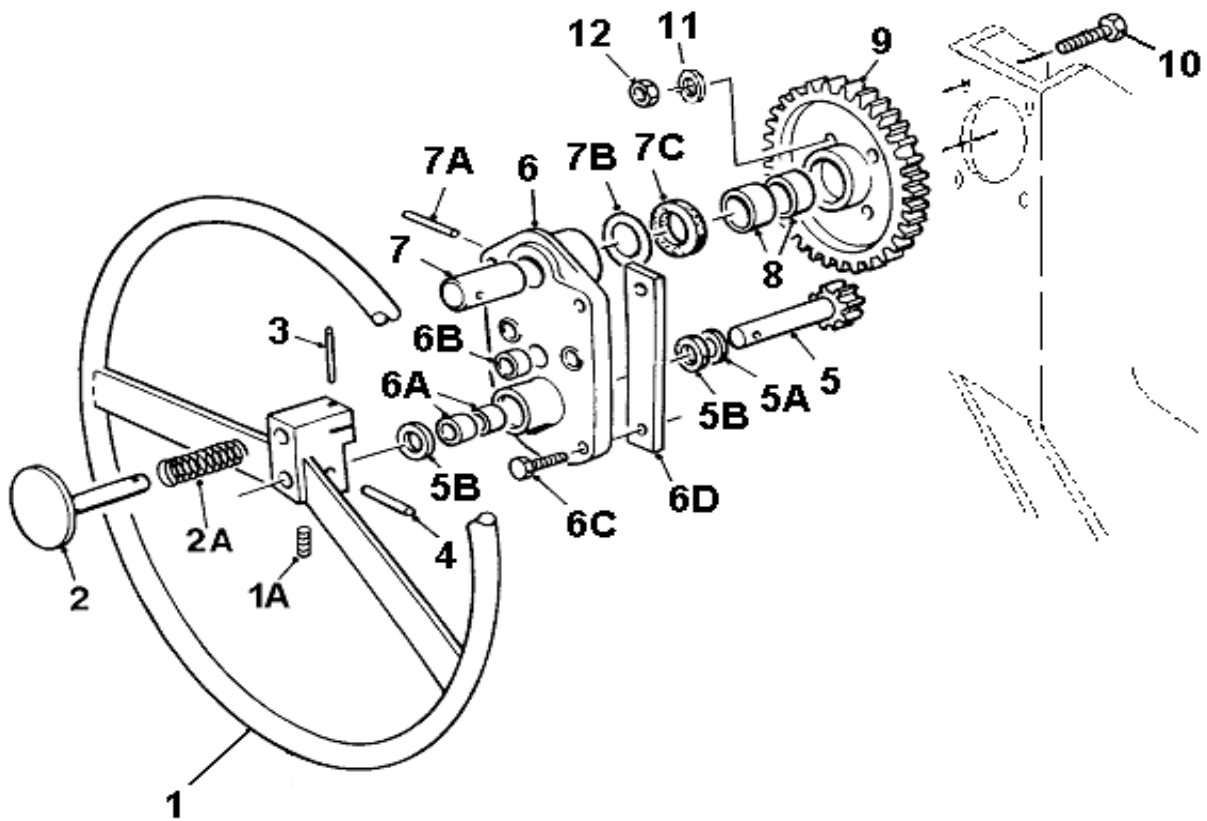
A - 2

| Item | Part no | Serial no | Description | Qty |
|------|-----------|-----------|---|-----|
| 5 | 513287000 | | TOP PLATE, engine housing | 1 |
| 9 | 513286800 | | LID, engine housing | 1 |
| 10 | 513248700 | | GUARD, chain | 1 |
| 12 | 513205300 | | STOP, rubber | 1 |
| 13 | 513266900 | | GUARD, sprocket diesel | 1 |
| 16 | 513270300 | | PLATE, closing | 1 |
| 22 | 241859000 | | PLUG, polythene | 1 |
| 25 | 11S04F | | SCREW, set | 2 |
| 26 | 59S03 | | NUT, nyloc | 2 |
| 26A | 555170000 | | SPACER | 2 |
| 26B | 513340800 | | SPACER | 2 |
| 27 | 513287200 | | STAY, housing lid | 1 |
| 28 | 267S06 | | WASHER, flat | 2 |
| 29 | 11S04B | | SCREW, set | 6 |
| 30 | 7S04 | | NUT | 6 |
| 31 | 17S05 | | WASHER, spring | 6 |
| 36 | 11S02A | | SCREW, set | 2 |
| 37 | 7S02 | | NUT | 4 |
| 38 | 17S03 | | WASHER, spring | 4 |
| 39 | 52S02C | | SCREW, c'sunk socket head | 2 |
| 41 | 11S02A | | SCREW, set | 2 |
| 42 | 267S04 | | WASHER, flat | 2 |
| 43 | 61S02 | | NUT, Binx, self locking | 2 |
| 46 | 6S02E | | BOLT | 1 |
| 48 | 87S02 | | NUT, Binx, self locking | 2 |
| 50 | 11S03A | | SCREW, set | 6 |
| 51 | 17S04 | | WASHER, spring | 6 |
| 52 | 7S03 | | NUT | 6 |
| 70 | 513368600 | | PLATE, infill | 1 |
| 71 | 7S04 | | NUT | 4 |
| 72 | 17S05 | | WASHER, spring | 4 |
| 75 | 11S04B | | SCREW, set | 4 |
| 80 | 513362600 | | PLATE <i>(with Yanmar engines)</i> | 1 |
| 81 | 11S02C | | SCREW, set <i>(with Yanmar engines)</i> | 2 |
| 82 | 61S02 | | NUT, Binx <i>(with Yanmar engines)</i> | 2 |



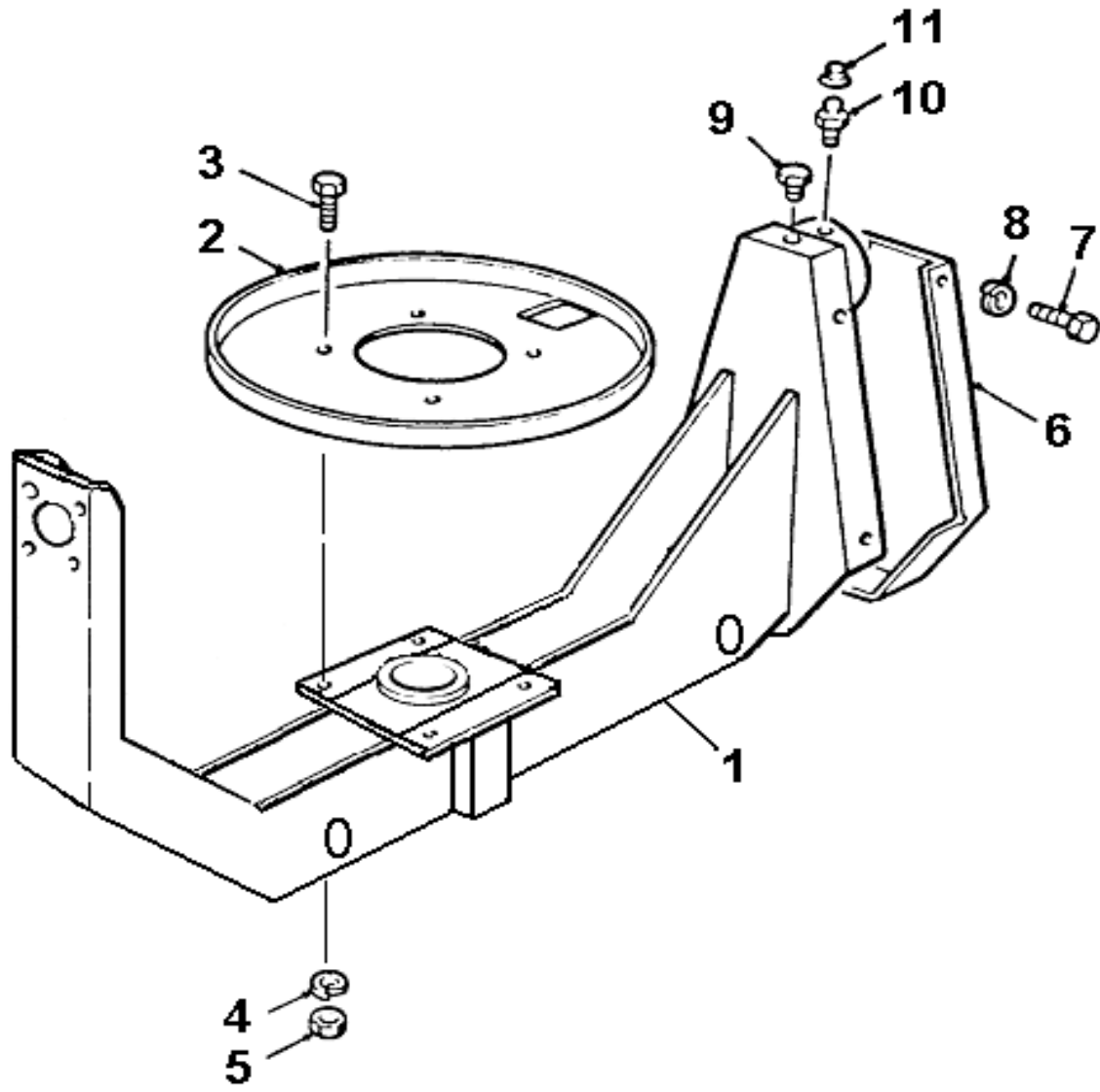
DRUM**B - 1**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|-------------------------|------------|
| 1 | 513323902 | | DRUM, top | 1 |
| 2 | 513324000 | | DRUM, base | 1 |
| 3 | 513324100 | | CLIP, drum | 1 |
| 4 | 513324200 | | BRIDGE PIECE | 1 |
| 5 | V2000772 | | ADHESIVE, flexible | tube 1 |
| 10 | 513324300 | | BLADE | 2 |
| 11 | 16S09D | | SCREW, slotted panhead | 8 |
| 12 | 17S05 | | WASHER, spring | 8 |
| 13 | 7S04 | | NUT | 8 |
| 15 | 513305200 | | GEAR, drum drive | 1 |
| 15A | 513371201 | | PACKER, shim, 0.5mm | AR |
| 15B | 513371202 | | PACKER, shim, 1.0mm | AR |
| 15C | 513371203 | | PACKER, shim, 2.0mm | AR |
| 16 | 17S06 | | WASHER, spring | 6 |
| 16A | 267S07 | | WASHER, flat | 6 |
| 17 | 11S05D | | SCREW, set | 6 |
| 20 | 132760000 | | CIRCLIP | 1 |
| 21 | 88S42D | | BEARING | 1 |
| 22 | 132775000 | | CIRCLIP | 1 |
| 23 | 88S45D | | BEARING | 1 |
| 24 | 513310100 | | SHAFT, drum | 1 |
| 25 | 132313000 | | CIRCLIP | 1 |
| 26 | 267S09 | | WASHER, flat, thick 3mm | AR |
| 26A | 267S20 | | WASHER, flat, thin 2mm | AR |
| 26B | | | WASHER, shim, 0.5mm | AR |
| 26C | | | WASHER, shim, 1.0mm | AR |
| 27 | 513310600 | | PLATE | 1 |
| 28 | 17S08 | | WASHER, spring | 2 |
| 29 | 11S06H | | SCREW, set | 2 |
| 30 | 513326300 | | WASHER, locking strip | 1 |
| 31 | 11S06E | | SCREW, set | 2 |



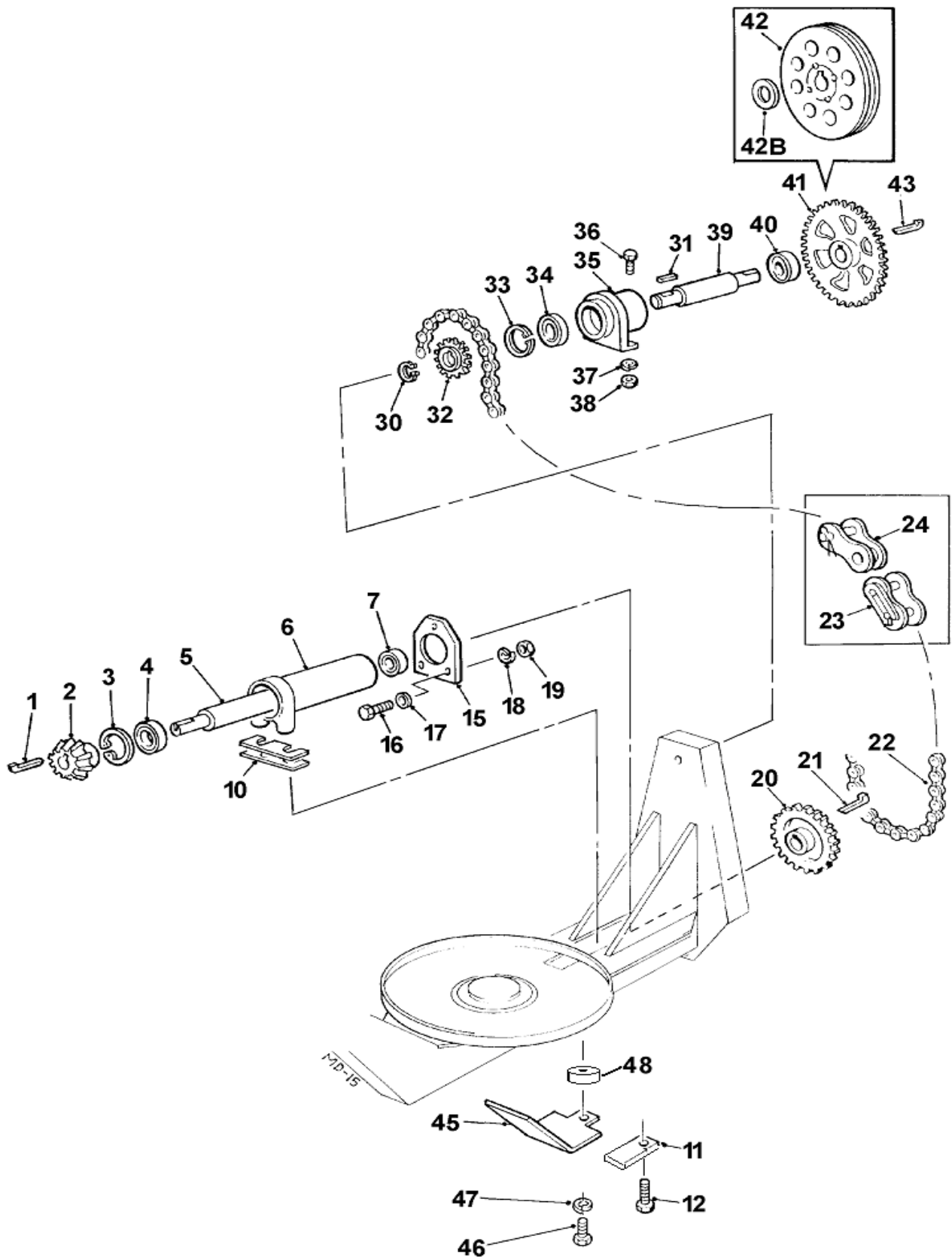
TILT WHEEL**B - 2**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|-------------------------|------------|
| 1 | 513345400 | | HANDWHEEL | 1 |
| 1A | 57S06F1 | | SCREW, grub | 1 |
| 2 | 513194400 | | PLUNGER, locking | 1 |
| 2A | 513345300 | | SPRING | 1 |
| 3 | 54S01A | | PIN, spirol | 1 |
| 4 | 513374900 | | PIN, grooved | 1 |
| 5 | 513345600 | | PINION, tilting | 1 |
| 5A | 10S18 | | WASHER, flat | 1 |
| 5B | 225514220 | | SEAL, felt | 2 |
| 6 | 513149400 | | BRACKET, tilting | 1 |
| 6A | 112821000 | | BUSH | 2 |
| 6B | 114625320 | | BUSH | 3 |
| 6C | 103S04C | | SCREW, socket head cap | 4 |
| 6D | 513212300 | | PLATE, retaining | 2 |
| 7 | 513151000 | | STUB, trunnion journal | 1 |
| 7A | 55S07Q | | PIN, spirol | 1 |
| 7B | 10S09 | | WASHER, flat | A/R |
| 7C | 225520280 | | SEAL, felt | 1 |
| 8 | 112820000 | | BUSH | 2 |
| 9 | 513149300 | | GEAR, tilting | 1 |
| 10 | 6S03E | | BOLT | 4 |
| 11 | 10S03 | | WASHER, flat | 4 |
| 12 | 107S14 | | NUT, nyloc self locking | 4 |



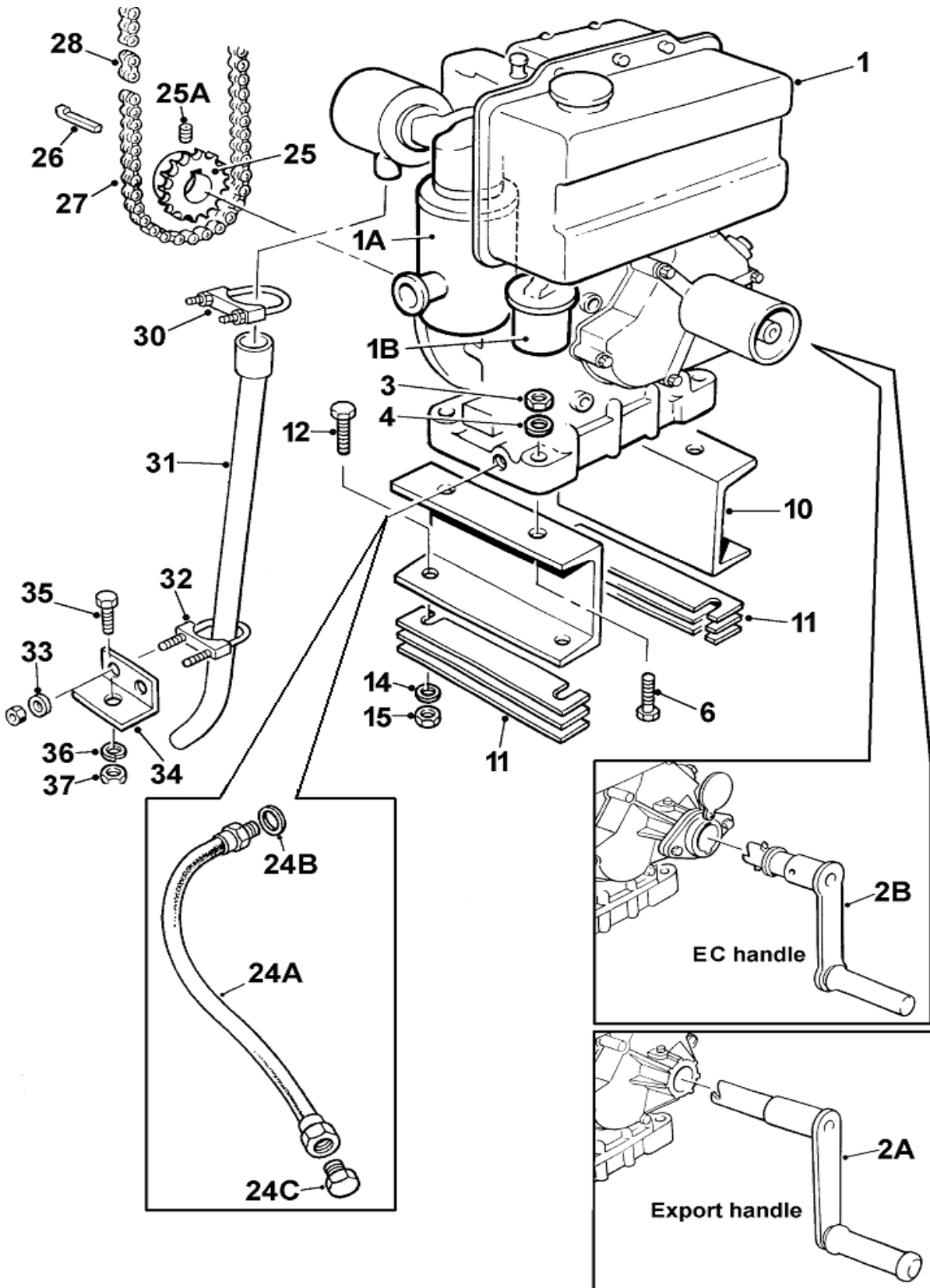
TRUNNION**B - 3**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|--------------------|------------|
| 1 | 513367900 | | TRUNNION | 1 |
| 2 | 513316500 | | GUARD, drum gear | 1 |
| 3 | 11S03B | | SCREW, set | 4 |
| 4 | 17S04 | | WASHER, spring | 4 |
| 5 | 7S03 | | NUT | 4 |
| 6 | 513316600 | | COVER, chain rear | 1 |
| 7 | 11S02AA | | SCREW, set | 4 |
| 8 | 17S03 | | WASHER, spring | 4 |
| 9 | 315803100 | | NIPPLE, grease | 1 |
| 10 | 131S01 | | NIPPLE, grease | 1 |
| 11 | 176S01 | | CAP, NIPPLE | 1 |

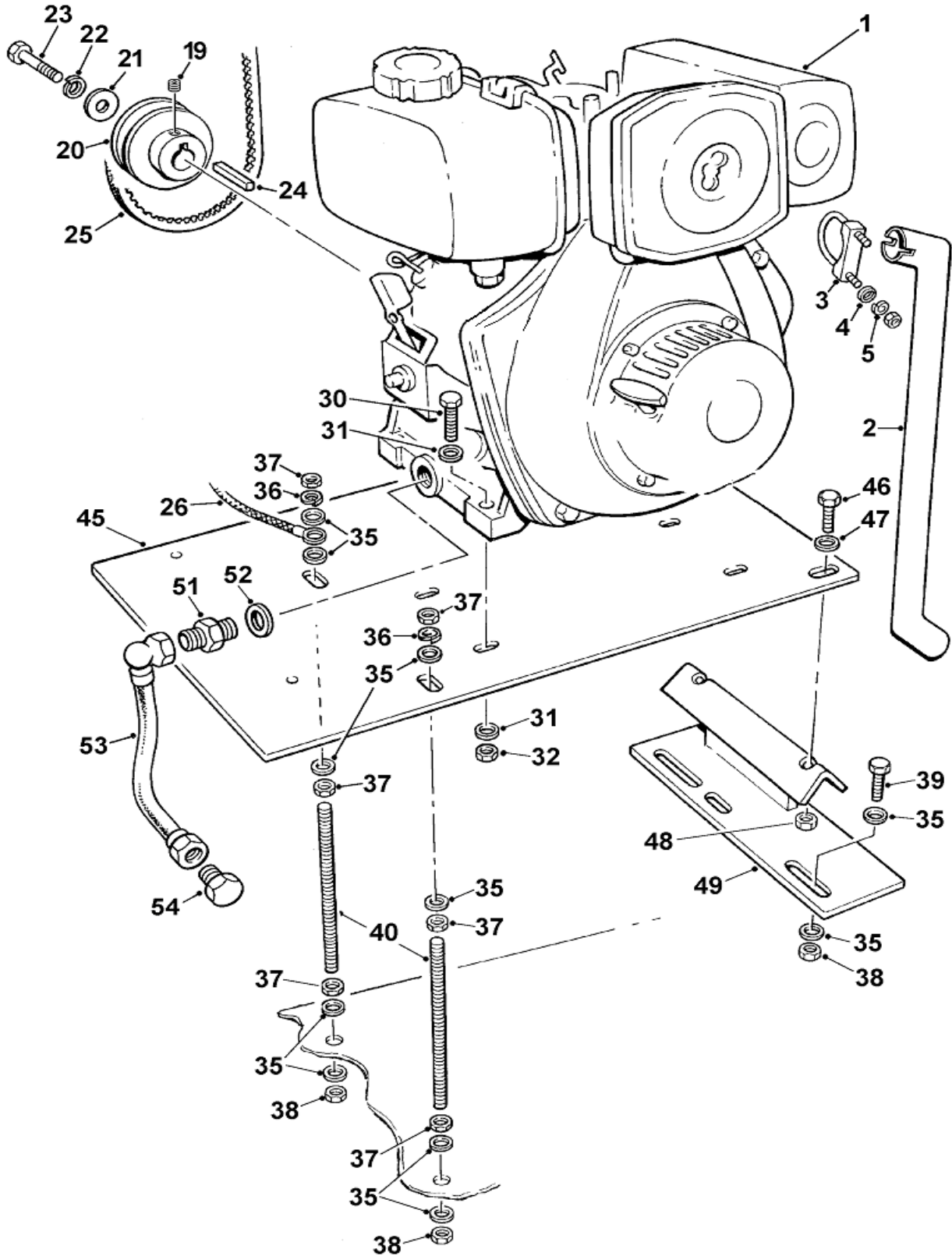


DRUM DRIVE**B - 4**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|---|------------|
| 1 | 300110845 | | KEY, taper gib | 1 |
| 2 | 513310700 | | PINION | 1 |
| 3 | 132362000 | | CIRCLIP | 1 |
| 4 | 88S05D | | BEARING | 1 |
| 5 | 513310300 | | SHAFT | 1 |
| 6 | 513305400 | | HOUSING | 1 |
| 7 | 88S15D | | BEARING | 1 |
| 10 | 513152400 | | SHIM, pack | set 1 |
| 11 | 513211900 | | TABWASHER, locking strip | 2 |
| 12 | 11S05H | | SCREW, set | 2 |
| 15 | 513298900 | | PLATE | 1 |
| 16 | 11S04C | | SCREW, set | 2 |
| 17 | 267S06 | | WASHER, flat | 2 |
| 18 | 17S05 | | WASHER, spring | 2 |
| 19 | 7S04 | | NUT | 2 |
| 20 | 513305300 | | SPROCKET | 1 |
| 21 | 300110845 | | KEY, taper gib | 1 |
| 22 | 134105070 | | CHAIN | 1 |
| 23 | 134105002 | | LINK, connecting | 1 |
| 24 | 134105001 | | LINK, half | 1 |
| 30 | 132725000 | | CIRCLIP | 1 |
| 31 | 304708035 | | KEY, rectangular feather | 1 |
| 32 | 513310500 | | SPROCKET | 1 |
| 33 | 132362000 | | CIRCLIP | 1 |
| 34 | 88S05D | | BEARING | 1 |
| 35 | 513305500 | | HOUSING | 1 |
| 36 | 11S05F | | SCREW, set | 2 |
| 37 | 17S06 | | WASHER, spring | 2 |
| 38 | 7S05 | | NUT | 2 |
| 39 | 513310400 | | SHAFT, counter | 1 |
| 40 | 88S15D | | BEARING | 1 |
| 41 | 513310800 | | SPROCKET, (Lister-Petter engines) or | 1 |
| 42 | 371123000 | | PULLEY, (Yanmar engines) | 1 |
| 42A | | | Bush, taper lock | 1 |
| 42B | 267S12 | | WASHER, flat, thick | 1 |
| | | | or | |
| 42B | 267S22 | | WASHER, flat, thin | 1 |
| 43 | 300110845 | | KEY, gib head (Lister Petter engines) | 1 |
| 43A | CR329047 | | KEY, parallel, (Yanmar engines) | 1 |
| 45 | 513211800 | | GUARD, bevel pinion | 1 |
| 46 | 66S03A | | SCREW, set | 1 |
| 47 | 41S05 | | WASHER, spring | 1 |
| 48 | 555170000 | | SPACER | 1 |

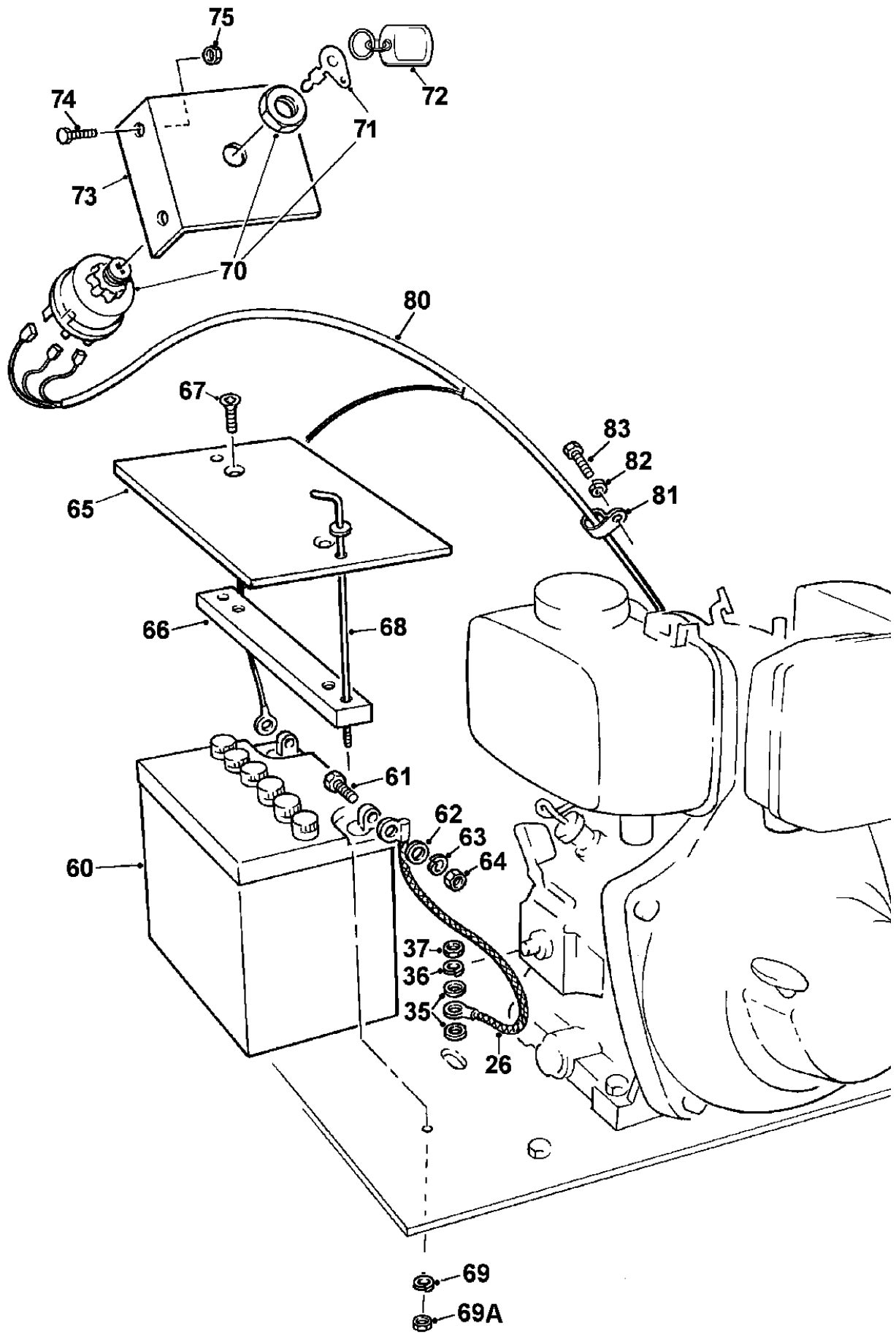


| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|--|------------|
| 1 | 354051000 | | ENGINE, LV1-910 <i>"Export" without anti kickback</i> | 1 |
| 1 | 354054100 | | ENGINE, LV1-910 <i>"UK/EC" with anti kickback</i> | 1 |
| 1A | EL60131350 | | FILTER, air | 1 |
| 1B | EL20113118 | | FILTER, fuel | 1 |
| 2A | EL60252971 | | HANDLE, engine starting <i>"Export", without anti kick back</i> | 1 |
| 2B | EL375232 | | HANDLE, engine starting <i>"UK/EC", with anti kick back</i> | 1 |
| 3 | 61S05 | | NUT, "Binx", self-locking | 4 |
| 4 | 267S07 | | WASHER, flat | 4 |
| 6 | 8S05J | | BOLT | 4 |
| 10 | 513267400 | | CHANNEL, engine mount | 2 |
| 11 | 513248400 | | SHIMS | (set) 1 |
| 12 | 8S05E | | BOLT | 4 |
| 14 | 267S07 | | WASHER, flat | 4 |
| 15 | 61S05 | | NUT, "Binx", self-locking | 4 |
| 24A | 513362800 | | HOSE, flexible | 1 |
| 24B | 100S04 | | SEAL, bonded | 1 |
| 24C | 127S04 | | PLUG, blanking, oil drain | 1 |
| 25 | 513326400 | | SPROCKET, engine | 1 |
| 25A | 57S05D2 | | SCREW, grub | 1 |
| 26 | 300204160 | | KEY | 1 |
| 27 | 134105096 | | CHAIN | 1 |
| 28 | 134105002 | | LINK,connecting | 1 |
| — | 134105001 | | LINK, half | AR |
| 30 | 354051005 | | CLAMP, exhaust | 1 |
| 31 | 513267500 | | PIPE, exhaust | 1 |
| 32 | 153S01 | | CLAMP, exhaust | 1 |
| 33 | 267S04 | | WASHER, flat | 2 |
| 34 | 513266800 | | BRACKET | 1 |
| 35 | 11S05B | | SCREW, set | 1 |
| 36 | 267S07 | | WASHER, flat | 2 |
| 37 | 61S05 | | NUT, "Binx", self-locking | 1 |



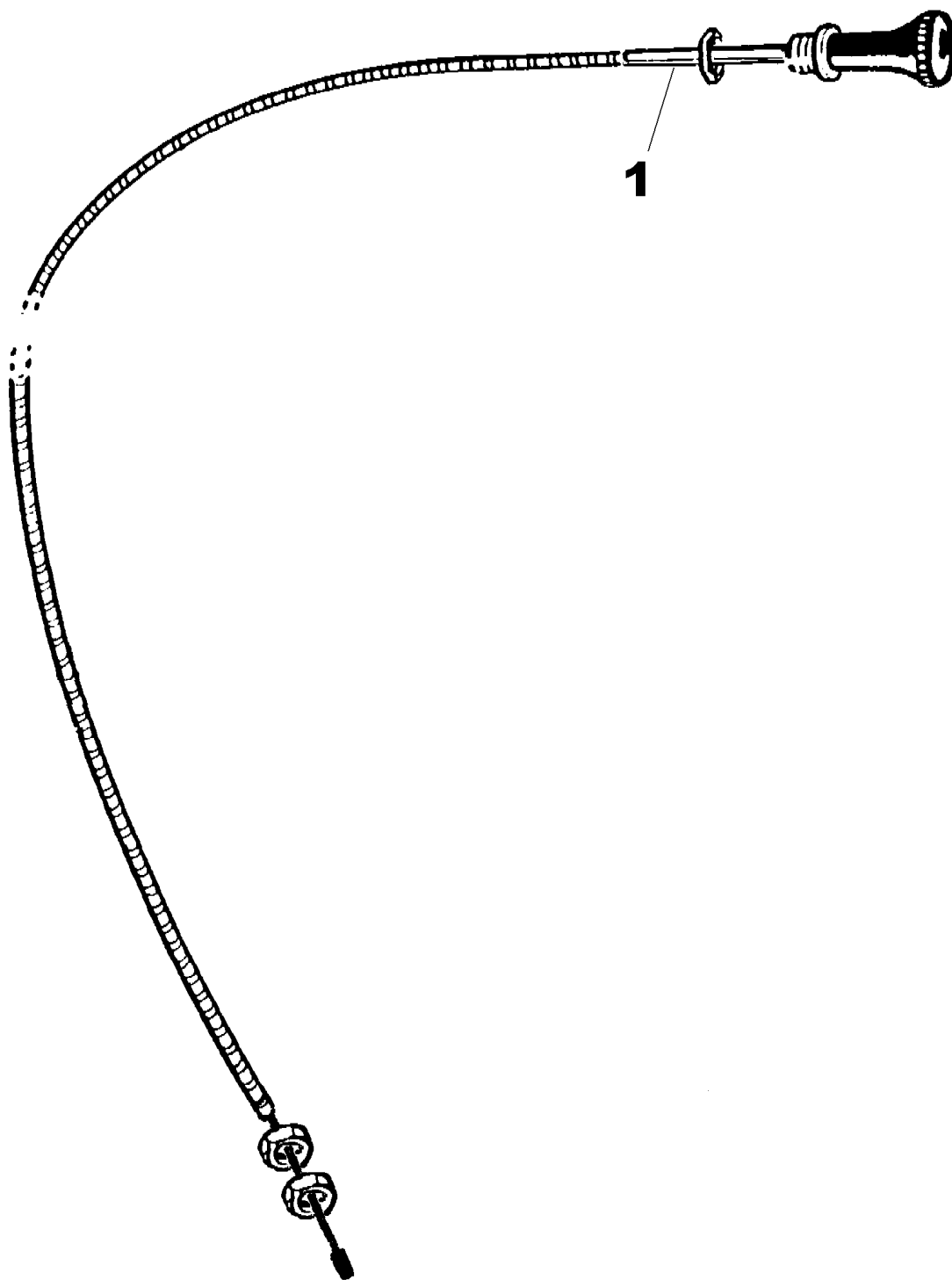
Engine & mounts

| Item | Part no | Serial no | Description | Qty |
|---|-----------|-----------|---|-----|
| Note: For Battery, start switch & loom, see page C-6 | | | | |
| 1 | V2005210 | | ENGINE, Yanmar L48ARE/L48N5SJ1 | 1 |
| | | | From Serial No 1353, L48ARE engine was replaced by the L48N5SJ1 | |
| | | | Engines are interchangeable but check model when ordering spares | |
| 2 | 513361600 | | PIPE, exhaust | 1 |
| 3 | 153S02 | | CLAMP, exhaust | 1 |
| 4 | 267S04 | | WASHER, flat | 1 |
| 5 | 17S03 | | WASHER, spring | 1 |
| 19 | 57S04D2 | | SCREW, grub | 1 |
| 20 | V2005220 | | PULLEY | 1 |
| 21 | V2004220 | | WASHER, 'Special' | 1 |
| 22 | 17S04 | | WASHER, spring | 1 |
| 23 | 8S03D | | BOLT | 1 |
| 24 | 305110550 | | KEY, parallel | 1 |
| 25 | 397400700 | | BELT, 'V' | 1 |
| 26 | | | CABLE, negative (See page C-3) | 1 |
| 30 | 8S03D | | BOLT | 4 |
| 31 | 267S05 | | WASHER, flat | 8 |
| 32 | 61S03 | | NUT, self- locking "Binx" | 4 |
| 35 | 267S07 | | WASHER, flat | 13 |
| 36 | 17S06 | | WASHER, spring | 2 |
| 37 | 7S05 | | NUT | 6 |
| 38 | 61S05 | | NUT, self- locking "Binx" | 4 |
| 39 | 11S05D | | SCREW, set | 3 |
| 40 | 513333100 | | STUD | 2 |
| 45 | 513361800 | | PLATE, engine mounting | 1 |
| 46 | 8S04D | | BOLT | 2 |
| 47 | V2004220 | | WASHER, flat | 2 |
| 48 | 61S04 | | NUT, self- locking "Binx" | 2 |
| 49 | 513358800 | | SUPPORT, bracket | 1 |
| 51 | 325S04 | | ADAPTOR, male/male | 1 |
| 52 | 298S05 | | SEAL, bonded | 1 |
| 53 | 31S02LL | | HOSE, engine oil drain | 1 |
| 54 | 127S03 | | PLUG, blanking, engine oil drain | 1 |



Battery, start switch & loom

| Item | Part no | Serial no | Description | Qty |
|------|-----------|-----------|---------------------------|-----|
| 26 | V2005211 | | CABLE, negative | 1 |
| 35 | 267S07 | | WASHER, flat | 2 |
| 36 | 17S06 | | WASHER, spring | 1 |
| 37 | 7S05 | | NUT | 1 |
| 60 | 109S11 | | BATTERY, 12 volt | 1 |
| 61 | 11S02B | | SCREW, set | 1 |
| 62 | 267S04 | | WASHER, flat | 1 |
| 63 | 17S03 | | WASHER, spring | 1 |
| 64 | 7S02 | | NUT | 1 |
| 65 | 513362000 | | COVER, battery | 1 |
| 66 | 513361900 | | CLAMP, battery | 1 |
| 67 | 52S02E | | SCREW, counter sunk | 2 |
| 68 | 513361700 | | ROD, battery clamp | 2 |
| 69 | 17S03 | | WASHER, spring | 2 |
| 69A | 7S02 | | NUT | 2 |
| 70 | V2003561 | | SWITCH, start, c/w keys | 1 |
| 71 | V601179 | | KEY | 2 |
| 72 | V2003540 | | KEY RING | 1 |
| 73 | 513359200 | | BRACKET, start switch | 1 |
| 74 | 11S03A | | SCREW, set | 2 |
| 75 | 61S03 | | NUT, self-locking, 'Binx' | 2 |
| 80 | 513362200 | | LOOM | 1 |
| 81 | V2005209 | | CLIP, 'P' | 1 |
| 82 | 17S04 | | WASHER, spring | 1 |
| 83 | 11S03A | | SCREW, set | 1 |



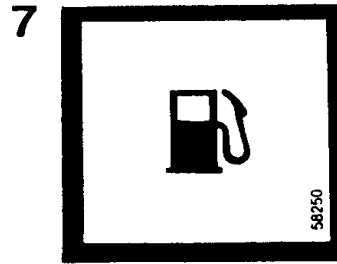
YANMAR L48N5SJ1 (electric start)**C - 4****CABLE, Emergency Stop**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|-------------------------|------------|
| | | 1526/ | | |
| 1 | 513370900 | | CABLE, emergency stop | 1 |
| 2 | 267S04 | | WASHER, flat | 2 |
| 3 | V2006398 | | TIE, Cable, panel mount | 1 |

1 200 T

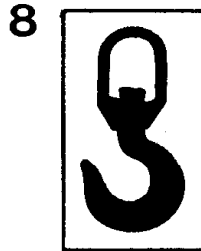
2

| | | | |
|---------------------------------------|--------------|---|--|
| WINGET | | <small>WINGET LIMITED P.O. Box 89, Smethurst Lane, Bolton Lanes BL4 0WW Tel: (0204) 665165 Fax: (0204) 665200</small> | |
| Model | | | |
| Serial no. | | | |
| Engine no. | Power output | | |
| Capacity | Weight kg. | | |
| SRO | Year of man. | | |
| <small>A Seddon Group Company</small> | | | |



3

DANGER
KEEP ENGINE HOUSING
LID CLOSED WHEN
ENGINE IS RUNNING



4

SAFETY WARNING

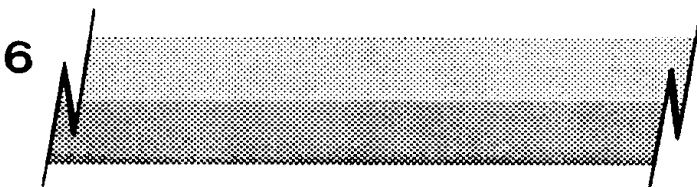
- 1 Before starting this machine, the operator should be familiar with the operating instructions issued by the manufacturer.
- 2 The manufacturer's rated capacity must never be exceeded.
- 3 Before carrying out any maintenance, servicing, or greasing, always ensure that the engine has been switched off. Never work on a machine while it is running.

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WINGET

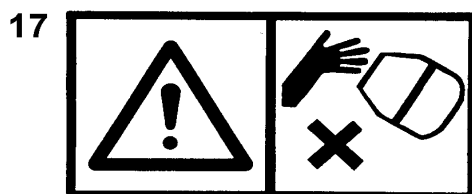
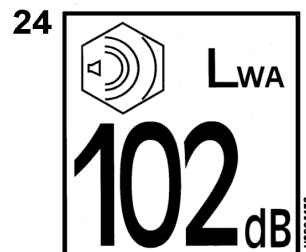
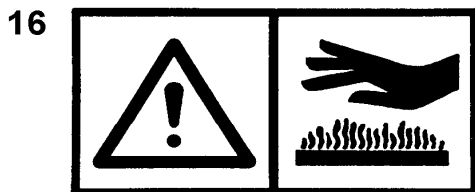
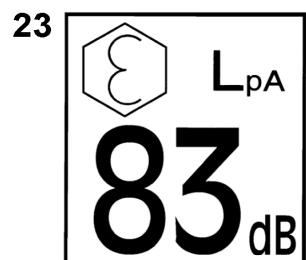
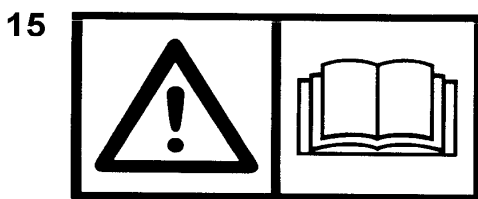
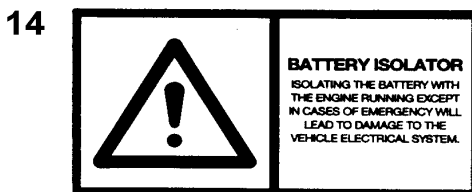
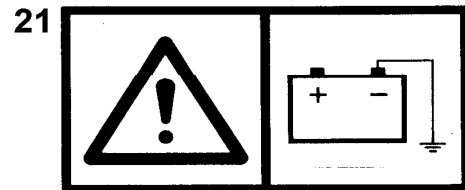
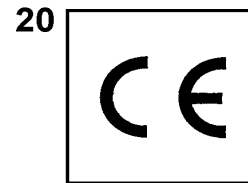
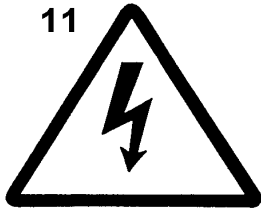
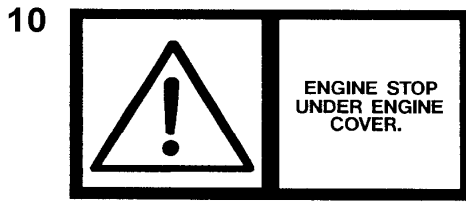


6A

| | |
|--|---|
| | <p>IN COLD WEATHER, IF THE ENGINE IS HARD TO START, REMOVE THE RUBBER PLUG ON THE ROCKER COVER AND ADD NO MORE THAN 2cc OF ENGINE OIL BEFORE STARTING AS RECOMMENDED IN THE ENGINE OPERATORS HANDBOOK. ALWAYS REFIT THE RUBBER PLUG.</p> <p style="text-align: right;"><small>V2005276</small></p> |
|--|---|

DECALS & PLATES**D - 1**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|-------------------------|------------|
| 1 | V2003110 | | "200T" | 2 |
| 2 | V2003037 | | PLATE, serial number | 1 |
| 2A | 101S05B | | RIVET, pop | 4 |
| 3 | 504600900 | | WARNING, engine housing | 1 |
| 4 | 504694600 | | WARNING, safety | 2 |
| 5 | V2003039 | | LOGO, "WINGET" | 3 |
| 6 | V2003038 | | STRIPE, bodywork | 2 |
| 6A | V2005276 | | ENGINE COLD STARTING | 1 |
| 7 | V2003101 | | DIESEL FUEL | 1 |
| 8 | V2003665 | | SLING POINTS | 2 |
| 9 | V2003598 | | BRITISH MADE | 1 |



DECALS & PLATES**D - 1A**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|--|------------|
| 10 | V2004302 | | ENGINE STOP | 1 |
| 11 | V2004307 | | ELECTRICAL HAZARD | 2 |
| 12 | V2004137 | | EAR PROTECTION | 2 |
| 13 | V2004744 | | EYE PROTECTION | 2 |
| 14 | V2004227 | | BATTERY ISOLATOR | 1 |
| 15 | V2004229 | | READ OPERATORS HANDBOOK | 2 |
| 16 | V2004282 | | HOT SURFACES | 1 |
| 17 | V2004289 | | HANDS CLEAR | 2 |
| 18 | V2005208 | | ENGINE STARTING PROCEDURE | 1 |
| 19 | V2004288 | | REMOVE STARTING HANDLE | 1 |
| 20 | V2004223 | | "CE" MARK <i>(Only applied to EC specification machin</i> | 1 |
| 21 | V2004235 | | NEGATIVE EARTH | 1 |
| 22 | V2004281 | | ENTRAPMENT | 1 |
| 23 | V2003574 | | 83 LPA | |
| 24 | V2004132 | | 102 LWA, Lister Petter engines | 1 |
| | | | | 1 |

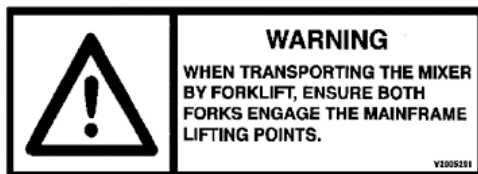
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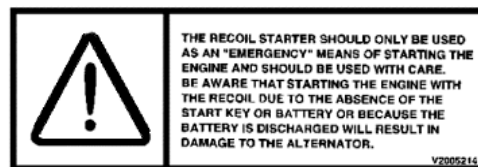
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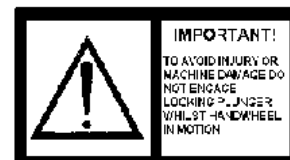
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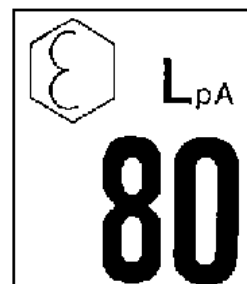
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32

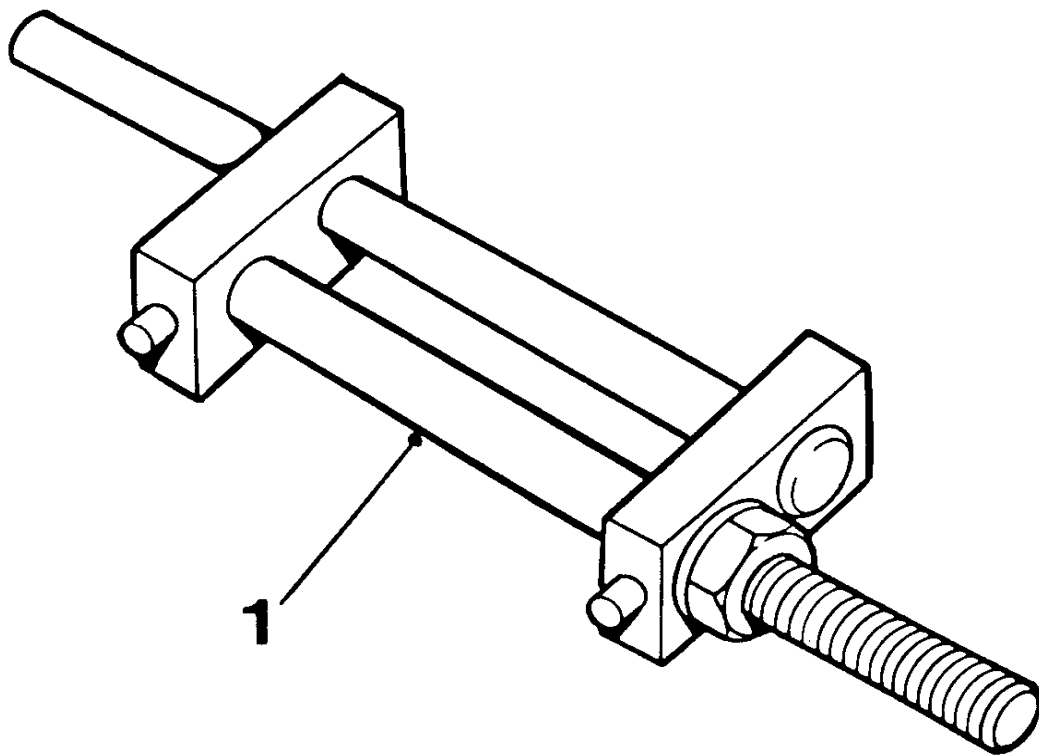


33



DECALS & PLATES**D - 1B**

| Item | Part no | Serial no | Description | Qty |
|-------------|----------------|------------------|-----------------------------|------------|
| 26 | V2005311 | | 101 LWA, yanmar engines | 1 |
| 27 | V2005290 | | STOP ENGINE WITH RED BUTTON | 1 |
| 28 | V2005290 | | TRANSPORTING WITH FORKS | 1 |
| 29 | V2005214 | | RECOIL STARTER WARNING | 1 |
| 30 | V2005630 | | LOCKING PLUNGER | 1 |
| 31 | V2004119 | | NO LIFTING | 2 |
| 32 | 513371100 | | EMERGENCY STOP | 1 |
| 33 | V2004130 | | 80 LPA | 1 |



SPECIAL TOOLS

D - 2

| Item | Part no | Serial no | Description | Qty |
|------|-----------|-----------|------------------|-----|
| 1 | 513204000 | | CLAMP, drum clip | 1 |

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm

