

# OPERATION, MAINTENANCE & SPARE PARTS MANUAL

# 7P (200P) PORTABLE PAN MIXER HOMETRADE SPECIFICATION

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This manual is a reprint of the Winget publication No S90 last printed during November 1975 and is a direct copy of one of the remaining original manuals.

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Operation, Maintenance and Spare Parts Manual

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## INTRODUCTION

The operating instructions and maintenance recommendations contained in this book will enable you to become familiar with your mixer to obtain the best results in the shortest possible time.

The life and trouble free running of your machine will depend largely on the care it receives. It is your responsibility to ensure that the maintenance instructions outlined in this book are carried out.

When replacements are required, it is essential that only genuine parts are used and that any repair or servicing work is carried out be competent mechanics.

### WINGET LTD.

#### GUARANTEE

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The Company will supply free of charge to any destination in the British Isles named in the tender, or F.O.8.British Port in the case of goods situated abroad, any part or parts which, under normal use and service, appears, to the Company's satisfaction, to have been at the time of delivery defective indesign, workmanship or material, or at its discretion, the Company will repair such parts, provided it is notified thereof within twelve months or 2,000 working hours from the date of delivery (whichever shall be the earlier) or, where the Company is responsible for erection, within twelve months from the date on which the customer is notified that any plant or machinery is ready for starting up provided that:

- a) Written notice is given to the Company within seven days of the discovery of the defect.
- b) Unless otherwise agreed, the alleged defective part or parts are returned to the Company's works, carriage paid, and its inspection establishes the claim. Replaced parts shall become the property of the Company.
- c) No part which is not of the Company's manufacture has been fitted, otherwise than by it or on its behalf, with its written approval.
- d) No unauthorised alteration or modification has been made to the machine or component the subject of the claim.

In no case shall the Company be responsible for the cost of fitting replacement parts.

Machine parts or components sold by the Company but not of its manufacture are subject to the Guarantee contained herein or such guarantee as is provided by the makers thereof where such guarantee is less than the Guarantee herein contained.

The obligation to repair or replace defective goods herein shall constitute the sole and total liability of the Company whether arising under contract negligence or otherwise for such defective goods or for any loss, damage or injury to any person or any property arising from the defective goods.

This Guarantee is extracted from the Company's standard conditions of sale.

## Winget SAFETY NOTES

Ensure that the label depicted below is located on your machine.

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

If the machine is repainted for any reason a replacement label must be obtained from Winget on Spare Part Number 50-46946.

NOTES FOR SAFE OPERATION

IMPORTANT

Read the instructions in this handbook together with these notes, and satisfy yourself that you understand all the controls and their function before attempting to operate the machine.

#### BEFORE STARTING THE MIXER

- Check: a) That all guards are in position and fitted correctly.
  - b) All control levers are in neutral.
  - c) No one is in or on the machine.
  - d) On electric powered mixers, ensure that the power supply has been correctly connected by a qualified electrician and any trailing cable is protected from damage and not liable to be tripped over.

#### WHEN OPERATING THE MIXER

a) Do not allow unauthorized persons to climb on or have any part in the operation of the machine.

b) Do not climb on the machine yourself unless absolutely necessary and then:-

(i) Use only the steps and platforms provided.(ii) Keep your clothing clear of any moving parts.

- c) In the case of mixers fitted with loading hoppers, do not allow any person to walk, stand or lean under the hopper when raised.
- d) Where mixers are fitted with drag feeders, do not allow the rope to become snagged around any obstruction or person. Replace ropes as soon as badly frayed.
- s) Do not add fuel, hydraulic oil or lubricate the machine whilst it is running.
- f) If engine housing is fitted keep this closed whilst mixer is running.

#### 4. MAINTENANCE AND REPAIRS

Before starting any work:-

- a) Stop the engine or switch off electric motor, isolate from mains supply and remove fuses.
- b) If working out of sight under the machine or in the drum, try to have a trained person standing by.
- c) Display a warning notice.
- d) Do not work under raised loading hopper unless it is securely chained or propped.

#### 5. ON COMPLETION OF MAINTENANCE

Check: a) That the mixer functions correctly.

- b) All guards are correctly fitted.
- c) All control levers are in neutrel position.

If you are in any doubt about the safe condition of your machine please consult Winget Limited Service Department.

## **Description & Operation**

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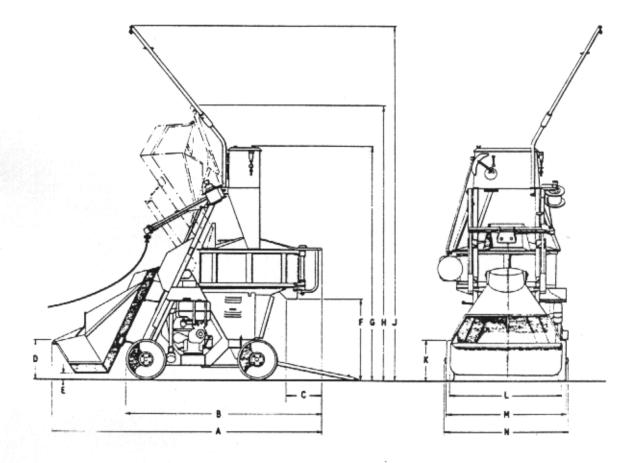
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#### DIMENSIONAL DRAWING

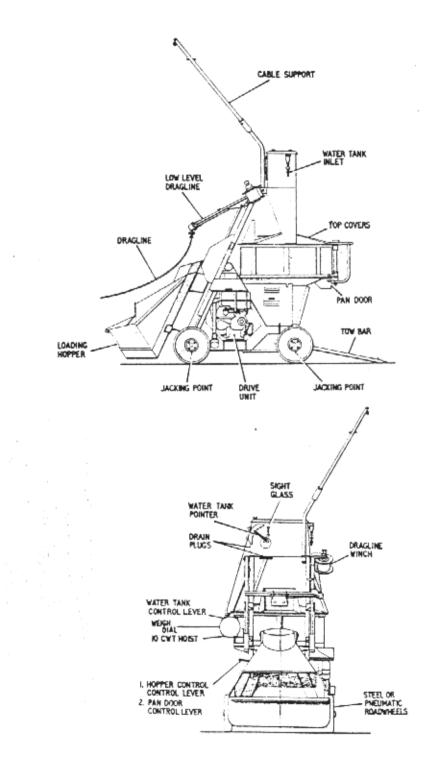
FIG. 1.

	contract of the second s	in the second
А	372. cm	12 ft. 3 in.
в	271 cm	8 ft. 11 in.
с	48 cm	1 ft. 7 in.
D	52 cm	1ft. 9 in.
E	8 cm	3 in.
F	112 cm	3 ft. 8 in.
G	323 cm	10 ft. 7 in.

н	377 cm	12 ft. 5 in.
L	488 cm	16 ft. 0 in.
к	56 cm	1 ft. 10 in.
L	152 cm	5 ft. 0 in.
м	164 cm	5 ft, 5 in.
N	173 cm	5 ft, 8 in.

Approximate weight 2286 kgs (5040 1bs) depending on Drive unit filted.

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#### Transportation of Mixer

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For the purpose of transporting your mixer to site the water tank has been mounted on the dragline jib. This must be moved back to the working position over the mixing Pan. First move the dragline jib manually into a horizontal position. Remove the hex, head bolts, nuts and spring washers from the stowage brackets and slide the water tank into working position. Secure with existing bolts through six holes provided. Reconnect the outlet pipe to the water tank using two hex. head bolts, nuts, spring washers and gaskets. Also reconnect the tank operating rod, one end to the water control level and the other end to the ram link; replacing washers and split pin one end and Lock-nut the other.

#### Anti-Bounce

Anti-bounce bracket and tie bar are supplied as optional extras, to be used when towing a mixer fitted with pneumatic wheels where local regulations allow. The anti-bounce bracket is bolted to the hopper cradle by means of two hex. head bolts, nuts and spring washers, and locked in position to the two jacking tubes welded to the mainframe thus preventing the hopper bouncing when in transit. A tie bar is also supplied to prevent movement of the dragline jib, fixed in position one end with Hex, head bolt, nut and locknut. Using existing hole in guard and upper stop bracket, while the other end is located in a lug attached to dragline jib and tightened down securely using a special locking nut.

#### **Tyre Pressure**

If pneumatic wheels are fitted check tyre pressure, regularly, and set at 2.81 Kg/cm<sup>2</sup> (40 PSI) except when 600-16 RK3A tyre is fitted then set at 3.86 Kg/cm<sup>2</sup> (55 PSI).

#### INSTALLING YOUR MIXER ON SITE

- a) See that your mixer is standing level in both directions with the wheels in line. Check using spirit level along and across weighing links (10-D5). This is necessary if accurate weighing is to be achieved. Remove anti-bounce bracket and tie bar if fitted. Lower jacks (if fitted) with handles provided to take weight off the road wheels, when this is done engage sprags and screw up to lock the front axle and firmly chock the mixer in place. Remove and stow the towing bar, replace drop end pin in front axle. The wheels may now be removed and either stored or fitted to another machine.
- b) If a batch weigher is fitted, make certain that there are at least 50 mm (two inches) clearance between the ground and the base of the hopper when the loadcell striker is resting on the loadcell striker guide.
- c) If a dragline feeder is fitted, erect the electric cable support mast.
- d) Study carefully the engine instruction handbook, before any attempt is made to use the mixer. Check the amount of fuel in fuel tank and especially the level of the lubricating oil in the engine sump. The covers on this machine provide ample ventilation, so keep them in position.
- e) Remove the hopper safety chain. This is done by turning the engine by hand, with the hopper control lever held in the RAISE position. When the hopper is fully up, release the chain and lower the hopper. (This chain must always be used when transporting the mixer)
- DANGER Do not walk, stand or lean under raised hopper unless it is securely chained.

f) Check level of the hydraulic oil in the header tank, with the hopper down. Oil should be visible but not more than 12 mm (½") up from the bottom of the filler (15-E5).

Description & Operation

- g) Connect the water supply to the water syphon tank inlet. A gauge glass mounted on the side of the tank will show when the top compartment of the tank is full. Minimum head of water required above the centre of the inlet valve is 1830 mm (6 ft.). The bore of hose to be used must be 25mm (1 in.) minimum with a short run of hose, if continuous working is required.
- WARNING Before starting engine ensure water supply has been turned on. Water pump MUST NOT be run dry.
- h) Assemble the portable feed apron, if one is to be used, placing it squarely in front of the mixer so that the hopper does not foul it when being raised or lowered. The vertical rubber flap is pushed forward by the dragline shovel when charging the hopper, the flap preventing materials from falling between the hopper and ramp. Finally, stake the apron securely in position, using the four picketing lugs on the sides. Extend the centre position of the ramp to separate the aggregate by fitting boards.
- j) If an electric drive is used, after the circuit has been connected or re-connected, ensure correct direction rotation of motor. This should be in a clockwise direction when viewed from the starter side of the mixer. (ie opposite side to controls)
- k) Check that the clutch (if fitted) is disengaged before starting the engine.
- Check 1.5 mm to 3.0 mm (1/16" to 1/8") clearance between mixing blades and adjacent wearing plates.
- m) Plough blades to run on pan centre line.
- n) Check level of oil in reduction gearbox.

#### TRANSMISSION

The drive to the reduction gearbox is by a polyvee vee belt from the power unit direct to gearbox, the gearbox having a reduction ratio of 30 to 1. A jockey pulley is mounted on the mainframe allowing adjustment to be made to the polyvee vee belt when necessary. A sintered plate clutch may be fitted as an optional extra. This is mounted on the input shaft of the gearbox and is manually operated. Its advantages are:-

- a) To reduce wear in allowing the rotor drive to be disengaged during idle periods (only when pan is empty).
- b) To disengage the rotor for starting the engine.
- c) To allow independent operation of the hydraulic services and dragline winch unit. The speed of the rotor is 33. r.p.m. at an engine speed of 1800 r.p.m. (Electric 1450 r.p.m.)

If a diesel engine is fitted to your mixer, read carefully the manufacturer's operating and maintenance manual, a copy of which is supplied with this machine. If an electric drive is used, the motor must be connected to run in a clockwise direction when viewed from the starter side of the mixer. (ie opposite side to controls).

#### MIXER CONTROLS

#### Hopper Control

The hydraulic control valve for operating the hopper is located on the mixer on the left hand side looking from the hopper end. The position is illustrated on Fig: 2.

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#### Hopper Operation

To raise the hopper move the control lever upwards as far as it will go and hold it there until the hopper is fully up. Loaded hopper must not be dropped onto the loadcell as this will cause damage to the weighing mechanism. DO NOT hold control in the "Raise" position with the hopper up more than a few seconds or overheating and loss of efficiency will result. To lower hopper push the control lever downwards; releasing the lever will check the descent of the hopper as necessary.

#### DISCHARGE DOOR-HAND OPERATED

To open discharge door turn manual door opening handle (9-P2) clockwise and anti-clockwise to close.

#### DISCHARGE DOOR - POWER OPERATED

To open door move control lever down, and up to close from mid position as indicated. DO NOT hold lever in open or close position when door is at end of its travel in either direction. Intermediate positions of the door may be obtained by releasing the lever when the door is in the desired position.

#### CLUTCH - OPTIONAL

A side to side control is used to operate the clutch unit coupling the drive unit to the mixing blades. Push the control lever to right to engage and left to disengage drive. It should be noted that the use of the clutch be restricted to engine starting and during idle periods when rotation of the mixing blades are not required. THE PRACTICE OF ENGAGING THE CLUTCH WHEN THE PAN IS CHARGED WITH MATERIAL MUST BE AVOIDED, EXCEPT IN AN EMERGENCY, AS THIS WILL SERIOUSLY OVER-LOAD THE TRANSMISSION SYSTEM. OPERATION-MIXING

It is important that the mixing blades are rotating at their full working speed before material is fed into the pan. It is recommended to reduce mixing time cycle to a minimum, cement, water and aggregate be added to the pan simultaneously. The actual mixing time will vary depending on type of mix, but average time for charge and mix is 45 seconds. THE MIX SHOULD NEVER BE ALLOWED TO REMAIN IN THE PAN FOR MORE THAN TWICE THE MIX-ING TIME REQUIRED FOR ANY PARTICULAR MIX.

The action of mixing blades and aggregate generates a small amount of heat which will cause water content to drop and consequently stiffen the mix. In event of the mixer stalling, clutch should be disengaged and the power unit re-started to restore hydraulic power

to open the discharge door. Stop power unit as a safety precaution, add water to mix and shovel out as much concrete as possible before attempting to re-start mixer.

#### OPERATION-DICHARGING

Normal discharge is by opening the discharge door and allowing the rotating mixing blades to discharge the concrete.

Description & Operation

#### CLEANING THE MIXER

At the end of each day's work, or if the mixer is standing idle for a period of more than two hours, the mixer should be thouroughly washed out to prevent concrete setting in the pan or on the mixing blades A CLEAN MIXER IS MORE EFFICIENT, REDUC-ING THE WEAR ON PAN & MIXING BLADES. Washing down should be carried out as follows:-Remove top covers, and with the mixing blades rotating, rinse inside of the pan using a high pressure hose pipe. A quantity of gravel added to the pan will assist in a more intensive action. After some minutes open the discharge door and completely empty pan. Stop engine and thoroughly hose down paddle arms to remove all traces of concrete. Check setting of each mixing and scraper blade and adjust if necessary.

#### BATCH WEIGHER

The weigher gauge is mounted over the drive unit on r.h. side of machine when facing hopper and is connected by hydraulic piping to the loadcell mounted at the front/centre of the main frame.

HYDRAULIC CIRCUIT IS PRIMED AND SEALED ON LEAVING THE WORKS AND ON NO ACCOUNT SHOULD IT BE TAMPERED WITH.

The gauge calibrated from 0.500 kg. (0.1100 lb), gives accurate indication of batch weights. The adjustable coloured pointers mounted on the rim of the gauge can be set by the operator, to the aggregate proportions required. A protective cover is provided for the gauge box to prevent damage when not in use. IT IS IMPORTANT THAT THE MIXER IS STAND-ING FIRM AND LEVEL AND THAT THERE IS AT LEAST TWO INCHES CLEARANCE BETWEEN THE GROUND AND THE BASE OF THE HOPPER AT ALL TIMES.

If aggregate is allowed to build up around the hopper and weigh gear links an inaccurate gauge reading will be obtained.

#### NORMAL OPERATION-WEIGHING GAUGE

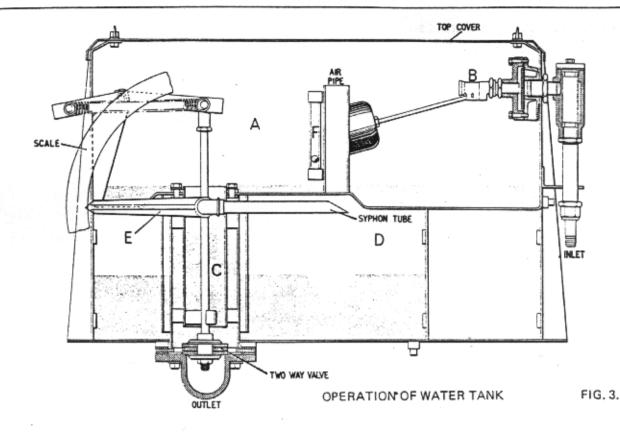
Set the pointers on the gauge to the aggregate proportions you require. With the engine running, lower the hopper slowly on to the loadcell. Hold the hopper control lever fully down for a few seconds until the gauge needle begins to move up to "ZERO" then release. The hopper is then ready to load. If you cannot get a "ZERO" reading adjust the gauge as described in the following paragraph:

#### TO "ZERO" WEIGHING GAUGE

With the mixer engine running proceed as follows

- a) Lower the hopper on to the loadcell as described.
- b) Check that the hopper is clear of the ground.
- c) Taking care not to stand on any part of the hopper or weigh gear links, adjust knurled knob on side of gauge to set the pointer to "ZERO"
- Repeat lowering the hopper three or four times to check that you obtain a consistent "ZERO" reading.

## Winget Description & Operation



#### WATER TANK

The water tank is of the syphon type which automatically measures the required quantity of water, from 7 to 56 litres (1½ to 12 gallons), set by the pointer "E" on the graduated scale at side of tank. The pointer is locked in the desired position by means of a clamp nut. Remember to release this and re-tighten each time the pointer is moved.

#### FILLING-WATER TANK

The operation of the tank is simple, with the water control lever set in the up position, the tank will automatically fill. Water enters the upper compartment "A" through the inlet valve and strainer unit "B" runs down the syphon cylinder "C" thus flooding the lower compartment "D" until the float lifts, cutting off the main supply. As soon as the indicator float in the sight glass tube "F" begins to rise, sufficient water is available for a measured amount of water to be discharged.

#### DISCHARGING-WATER TANK

Lower the water control lever which, in turn, lifts the two way valve from its lower seat to stop any further supply of water entering the lower compartment and, at the same time, the required amount of water will be discharged into the mixing drum. After discharging, reset lever.

#### DRAINING THE TANK

During periods of frosty weather, to avoid damage to the water tank, it is advisable to drain the tank at the end of each day's work. To do this set the pointer at the maximum discharge amount. Drain by disconnecting the mains water supply and operating the water control lever several times and also open the drain tap in the bottom of the tank. Closing it again when the tank is completely empty.

#### WATER PUMP SHOULD NEVER BE RUN DRY OR THE SEAL MAY BE DAMAGED.

#### DRAGLINE FEEDER

The winch mounted on the right of the dragline jib is hydraulically driven. The winch is energised via a hydraulic soleniod valve, by a push button switch mounted on the shovel handle. A car type dynamo, belt driven from the engine supplies power to energise the solenoid valve.

#### DRAGLINE FEEDER-OPERATION

Rig the mixer as shown in Fig. 2 and, with the engine running, pull the shovel back over the aggregate away from the mixer. Depressing the push-switch on the shovel handle will energise the winch and start to drag the shovel towards the mixer. To stop the loaded shovel when it has reached the hopper, simply release the push-switch and tip the contents of the shovel into the hopper.

After rigging the electric control cable, a trial run of the shovel may show that the slack of the electric cable is not taken up by the bottom free pulley as the shovel moves into the mixer. To prevent this increase the size of the weight on the bottom free pulley, if the pulley then comes too close to the ground wind a couple of turns of cable on to the stowage arm on the shovel.

#### ELECTRIC DRIVE MIXERS

When an electric motor is fitted, it is usual to transport the mixer with the loading hopper propped in the half raised position, as it is not possible to raise the hopper without connecting a supply to the motor. DO NOT move prop until electric motor is connected to the supply and normal hydraulic control of the hopper is obtained.

#### HOPPER LOADING ARRANGEMENTS

It is advisable to use a portable feeding apron or erect a barrier of boards so that materials may be conveniently tipped into the hopper. This is particularly important when using a mixer fitted with a batch weigher, to avoid a build-up of aggregate underneath the hopper.

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#### BEFORE STARTING UP

- a) Read carefully the engine manufacturer's handbook supplied with the mixer. Check the level of fuel in tank and especially the level of lubricating oil in engine sump.
- The covers on this machine provide ample ventilation so keep them closed.
- b) With the HOPPER DOWN, check the level of the hydraulic oil in header tank.
- c) Connect the water supply to the water syphon tank inlet. The gauge glass will show you when it is full.

#### WHEN MIXING IS FINISHED

- a) Empty and clean out mixing pan with plenty of water.
- b) Clean out hopper.
- c) Drain water syphon tank if frost is likely.
- d) Raise hopper and fix safety chain.
- e) Stop engine (or electric motor if fitted).
- f) Wash down outside of mixer.
- g) Grease up machine for next day's work.

#### VOLTAGE SETTING INSTRUCTIONS

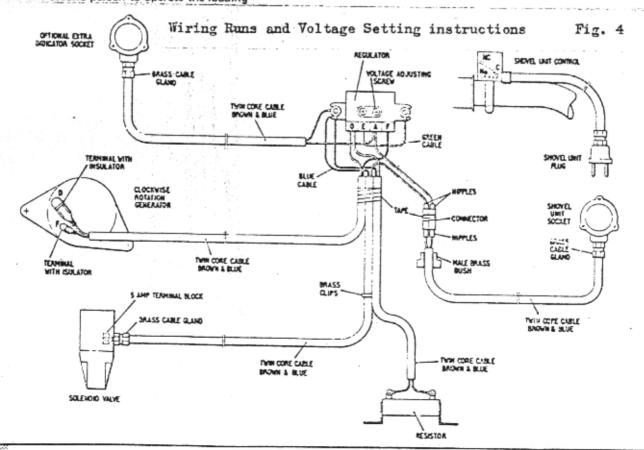
Start machine. Plug in loading shovel to machine, remove solenoid valve cover and regulator adjusting screw rubber plug, connect a d.c. voltmeter to the two way terminal block inside the valve body, with the aid of a second person to operate the loading shovel, by depressing the shovel control unit push button. Note the reading on the voltmeter. The correct figure should be 12 volts. If the voltmeter reads in the reverse direction interchange the voltmeter leads.

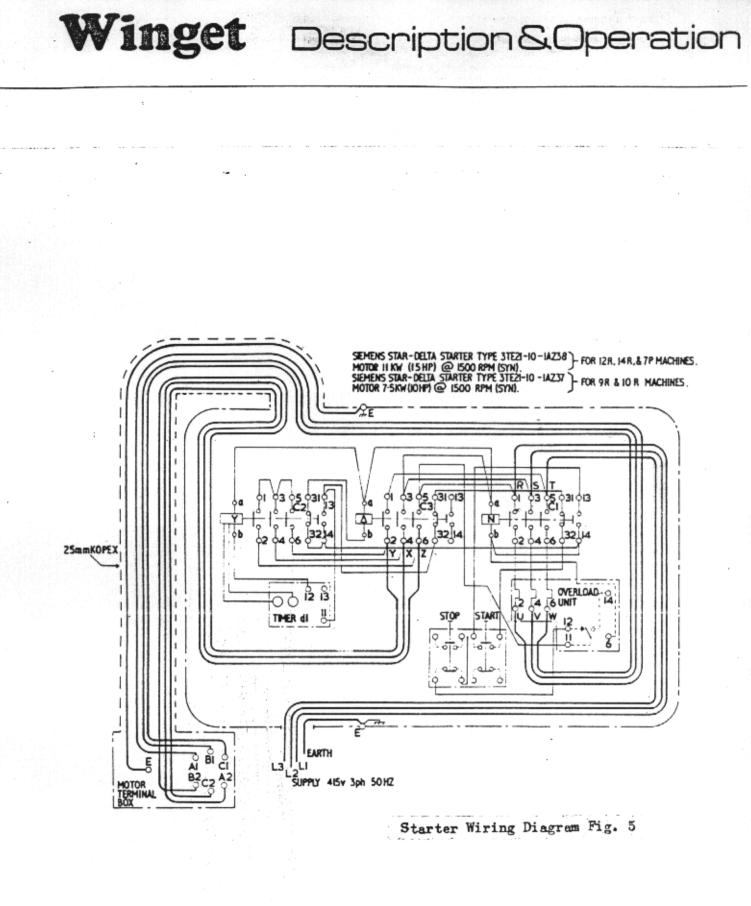
Description & Operation

#### PROCEDURE FOR SETTING VOLTAGE

If voltage is incorrect then with meter still connected and the loading shovel working, turn voltage regulator adjusting screw situated above connection point 'A' with a small short screwdriver either clockwise or anti-clockwise until meter reads 12 volts constantly after adjustment replace valve cover and regulator plug.

Note: Do not interfere with adjusting screw above Connection Point 'E' Optional extra socket voltage will read 15 volts approx. after the above has been carried out.





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Maintenance

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## Maintenance

#### LUBRICATION

#### SERVICING FREQUENCY

The times quoted in this section i.e. weekly, monthly etc. are based on the following table of running hours:-

DAILY	-	8 RUNNING HOURS
WEEKLY	-	50 RUNNING HOURS
MONTHLY	-	200 RUNNING HOURS
THREE MONTHLY	-	600 RUNNING HOURS
SIX MONTHLY	-	1200 RUNNING HOURS

#### GENERAL

All shafts and bearings needing daily attention, are lubricated through drilled shafts and special greaseways by fitting grease nipples. The lubrication diagram Fig. 7 will give you the location of these grease nipples, which should be greased daily, using a grease gun charged with a good quality medium grease (SHELL ALVANIA 2)

It is essential that operators do not allow grease or oil used for servicing to become contaminated with sand or cement dust. At weekly intervals a little engine oil should be applied to pin joints on clutch lever linkage, and low level dragline pivots, etc.

#### **REDUCTION GEARBOX**

### STAUFFER LUBRICATION-REDUCTION GEARBOX

At weekly intervals the stauffer protruding through the main-frame adjacent to the discharge door chute should be given several turns. Refill SHELL ALVANIA 2. Grease when empty.

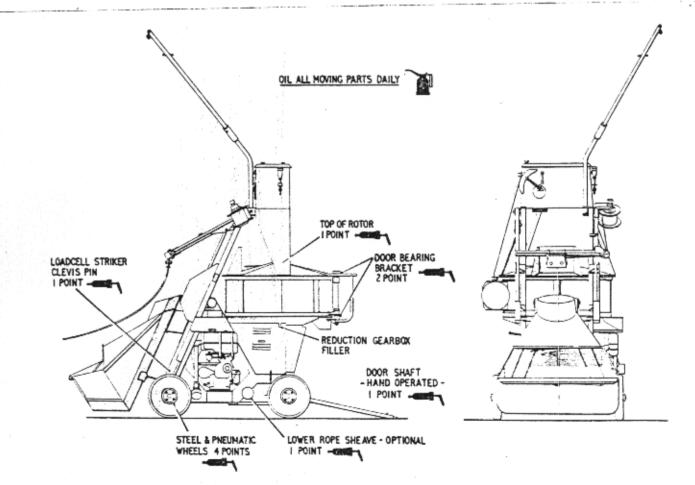
#### OIL CHANGE-REDUCTION GEARBOX

Oil in the gearbox should be changed after the first three months running and subsequently every six months. This is best carried out at the end of a day's work when the oil is warm.

- Remove drain plug and collect oil in a suitable container-capacity 5.12 litres (9 pints) approx.
- Refill with SHELL VITREA 79 or equivalent to level.

#### TOPPING UP-REDUCTION GEARBOX

An extension piece is fitted to the reduction gearbox with a filler tube attached. This is located on the engine side of the mixer. Remove the oil filler cap and top up as necessary until level with top of filler tube using SHELL VITREA 79.

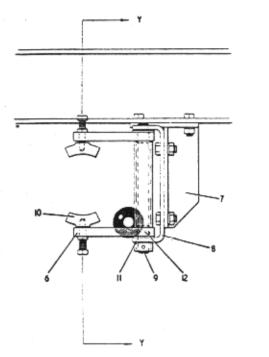


LUBRICATION FIG. 8.



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## Maintenance



SECTION X-X

#### POLYVEE VEE BELT ADJUSTMENT

It is important that the tension of Polyvee belts be checked at weekly intervals to ensure efficient power transmission.

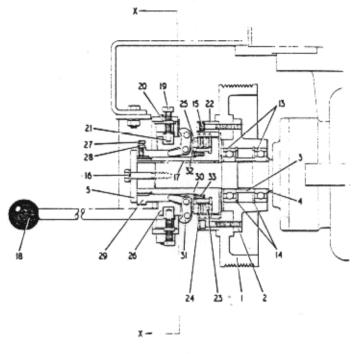
An adjusting screw is fitted to the jockey pulley. First slacken off self locking nut on pivot shaft. Allowing jockey pulley to move freely along slot in pivot shaft bracket when adjustment is made. Next bring nut and locknut together on adjusting screw and make the necessary adjustment. There should be no free movement in the Polyvee vee belt when adjustment has been made. Finally release nut from locknut and secure in position.

#### CLUTCH ADJUSTMENT

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During running in period, the clutch should be frequently checked, if excessive slipping and overheating are to be avoided. It must be appreciated that in a new clutch (or one fitted with new discs) full driving power will not be reached until discs have bedded in and at the start one or two adjustments may be necessary to achieve this after which normal checks can be adopted,

To adjust clutch ref. to fig. 8 slacken off the locking screws (27) and turn the adjusting bush (29) clockwise until the required torque capacity is obtained. A correctly adjusted clutch will require only a moderate force on the operating lever. Attach a spring balance to the operating knob and check pull necessary to engage clutch this should be 11.3 Kgs. (25 lbs), When this has been done it is vitally important that the locking screws be tightened into the



SECTION Y-Y

#### CLUTCH ASSEMBLY

FIG. 9.

bottom of the nearest serrations in the centre (30) and locked in that position, merely tightening on top of the serrations may result in serious damage to the clutch.

#### LUBRICATING-CLUTCH

The toggles, and the sleeve should be lightly smeared with grease but the amount used should be only sufficient to prevent the moving parts from running dry leading to seizure. On no account must any form of lubricant be allowed to come in to contact with the friction discs.

#### REPLACING SINTRED DISCS

- First release lock nuts (20) and slacken off tappet screws (19) and remove tappet brasses (21).
- 2. Remove setscrew (16) and clutch shaft cap (5)
- Withdraw split pin and drop clutch operating pin
   (9) Thus releasing clutch operating arm (6).
- Remove capscrews (15) and withdraw clutch unit from wormshaft.
- Place the clutch unit on a clean bench surface, and unscrew adjusting bush (29) also removing sleeve (26).
- Withdraw the pressure plate (32) three springs (33) and front plate (25).
- Withdraw the three sintred discs (24) and spacer plates (23) Inspect and replace sintred discs if necessary. At this stage it would also be advisable to consider replacing tappet brasses (21).

Reverse this procedure for re-assembling.

## Maintenance

#### MIXING AND SCRAPER BLADES ADJUSTMENT

Winget

Blades should be inspected daily for wear and adjusted if necessary to 1.5 mm to 3 mm (1/16" to 1/8") clearance between blade and bottom or side of pan as follows:-

- Open discharge door and stop engine. Turn engine by hand with clutch engaged until the blade to be checked is adjacent to door opening.
- Slacken blade fixing bolts to check alignment and retighten.
- 3. Slacken two setscrews on blade arm clamp. First check position of blade from centre of rotor, secondly make any necessary adjustment to blade clearance by tapping the end of paddle blade support until the correct clearance is obtained between blade and wearing plate. Retighten fixing bolts and setscrews securely.
- After adjustment has been made, it is recommended that as a final check before running the drive unit, the rotor housing be rotated several times to ensure the blades do not foul the pan.

FAILURE TO MAINTAIN BLADES IN CORRECT ALIGNMENT WILL RESULT IN CONSIDERABLE WEAR TO BOTH BLADES AND WEARING PLATES.

#### FITTING NEW BLADES

Badly worn blades should be renewed as follows:-

- Open discharge door and stop engine. Turn engine by hand, with clutch engaged, until the worn blade is over door opening.
- Detach worn blade by removing the two fixing bolts, securing it to the blade support.
- Fit new blade and tighten up after adjustment has been made.
- 4. Turn rotor to check that blade does not foul pan.

#### REPLACEMENT OF WEARING PLATES

To assist in replacement of either the inner, outer or bottom wearing plates, they have been divided into easily removable sections.

#### long life.

- Remove a paddle arm support and paddle blade as previously described and turn engine by hand, with clutch engaged until the empty rotor arm is over the wearing plate to be removed.
- If bottom wearing plates are to be removed, remove side cover to obtain access to counter sunk setscrews.
- Remove counter sunk fixing screws and worn plates from machine. Refit new plates ensuring good seating scraping off any deposit of concrete built up locally around edge of the area covered by the old wearing plate.
- Re-assemble mixing blades and check clearances.
   Operate discharge door and adjust sealing strip-
- lock in position.

#### HYDRAULIC SYSTEM HEADER TANK

Ensure that the Hopper is FULLY DOWN and the engine STOPPED. Top up as necessary with oil of recommended grade, do not mix different grades of oil and clean around filler cap before removal. This is located inside the main frame on the side of the mixer opposite to the engine. Once a week check that the oil level in the tank is visible but no more than 12 mm ( $\frac{1}{2}$ ") up from the bottom of the filter (15-E5)

#### FILLING FILTER REMOVAL-HYDRAULIC

The tank is provided with a cylindrical filter which filters the hydraulic oil when filling or topping up the system. This filter is combined with a breather unit which is incorporated in the filter cap. The filter should be removed once every three months for inspection, this can be carried out without draining the tank as follows:-

- a) Clean the top of the tank and remove the filter cap/breather unit.
- b) Unscrew the six self tapping screws securing the filter to the tank.
- c) Remove filter. Cover the opening with a clean rag whilst filter is removed.
- d) Thoroughly clean the filter in petrol, and air dry well before reassembly.
- Remove rag and replace filter and self tapping screws.
- f) Top up with oil if necessary and replace cap/ breather unit.

#### CLEANING BREATHER UNIT-HYDRAULIC

The breather in the cap on top of the filling filters should be washed in petrol every month and air dried thoroughly before re-fitting. Keep opening in tank covered with clean rag while cleaning breather.

#### CLEANING SUCTION FILTER-HYDRAULIC

The suction filter is located at the bottom of the hydraulic tank, this should be removed and cleaned in petrol ONLY when carrying out a complete machine overhaul.

#### DISMANTLING HYDRAULIC SYSTEM

Do not remove or expose any part of the internal hydraulic gear in the event of a breakdown unless instructed to do so. If you do, this may lead to further complications in correcting the fault. Remember that you have a "WINGET" Service Depot near you which is always ready and willing to help.

#### RECOMMENDED OILS HYDRAULIC

The capacity of the system is approximately 22 litres (5 gallons) and is filled at the works with SHELL TELLUS 29 for use in temperatures up to 90°F or TELLUS 33 in temperatures above 90°F. The particular grade shown on a label attached to the top of the header tank.



## Winget Maintenance

#### WATER TANK

Remove top cover every month. Clean and grease valve mechanism.

#### BATCH WEIGHER

To ensure maximum efficiency, keep the weighing mechanism as clean as possible, avoid build-up of material around link pivots (10-D1). Do not allow aggregate to accumulate on the ground under the hopper.

#### SPECIAL NOTE:

ON NO ACCOUNT MUST THE LOADCELL BE DISCONNECTED FROM THE WEIGHING DIAL. NO RESPONSIBILITY WILL BE TAKEN IF THE LEAD SEALS WHICH ARE ATTACHED TO THE PIPE UNIONS ARE BROKEN.

#### DRAGLINE FEEDER

Check dynamo brushes periodically. The regulator cut-outs should be maintained at 12½ to 13 volts. If the electric cable (25-G1) to the shovel needs repair it should not be shortened to less than 20 metres (65 feet).

#### DYNAMO BELT ADJUSTMENT

Slacken the two setbolts on the dynamo adjusting link (I-J1) and the two bolts securing the dynamo to its mounting bracket (2-J1) Pivot the dynamo until the drive belt is correctly tensioned, then re-tighten all bolts securely.

#### LUBRICATION

Grease nipples provided are shown in Fig. 6. Include these in your daily servicing.

#### GENERAL MAINTENANCE

Keep the mixer clean. Check for tightness, from time to time, and especially during the first few weeks of operation all bolts, nuts, keys, etc. Particular attention should be paid to engine fixing bolts. Clean top of header tank before removing filler cap or filter. Add oil of recommended grade only, through the filter provided. Drain water syphon tank during frosty weather. Lubricate all moving parts each night ready for the next day's working.

#### POWER OPERATED DOOR

Ensure the ram is set up to maintain a clearance between stop on pan door and welded distance pieces on the chute. This must be checked by moving the door physically not under power. Failure to do so may result in cracked door casting.

#### LIFTING BEAM

A lifting beam can be obtained to simplify the method of removing the engine. The lifting beam is bolted horizontally across the dragline and water tank support frames with the overhang on the engine side.

TO REMOVE ENGINE.

- Ensure hopper is in the down position.
- Remove fuel tank cover assembly complete with air cleaner.
- 3. Prop up fork end of jib struts on lower stop brackets.
- Unbolt upper stop brackets and dragline guards from support frames.
- Bolt lifting beam to support frames by lower lugs with overhang on engine side.
- Place traveller assembly onto beam and secure stop bolt in position on end of beam.
- 7. Suspend lifting gear from traveller assembly.
- Disconnect all mountings and connections to engine.
- 9. Position lifting gear around engine securely.
- 10. Lift engine and pull clear of machine along beam.

# Winget

## Maintenance

#### SERVICING SCHEDULE

DAILY

MIXER	Lubricate daily through grease nipples using a good quality medium grease. Alvania Grease 2 is used at works-see lubrication diagram. Thoroughly clean out mixing pan when mixing is finished, with water and gravel. Wash out hopper and hose down mixer.
MIXING AND SCRAPER BLADES	Inspect for wear and adjust to give 1.5 mm to 3.00 mm $(1/16'' to 1/8'')$ clearance between bottom and side of pan. See page 8
ENGINE SUMP LUBRICATION FUEL TANK	See Engine Handbook

#### NOTE

IT IS IN THE USERS OWN INTEREST TO MAINTAIN ENGINE AIR, LUBRICATING OIL AND FUELFILTERS AT THE MANUFACTURER'S RECOMMENDED INTERVALS, TOPPING UP WITH CLEAN OIL AND FUEL FROM CLEAN CONTAINERS AS NECES-SARY, RUNNING THE ENGINE WITH DEFECTIVE AIR OR OIL FILTERS WILL RESULT IN RAPID WEAR, HIGH RUNNING COST AND LOSS OF RELIABILITY.

#### WEEKLY

REDUCTION GEARBOX	Check oil level, for location See Fig. 6
HYDRAULIC HEADER TANK	Clean top of tank-remove filler cap and check level. Check with hopper down and engine stopped.
DRAGLINE	Check belt tension, adjust if necessary.
POLYVEE AD- JUSTMENT	Check tension of vee belt as described on page 7
ROTOR CLUTCH	Grease operating tappet brasses. Attach a spring balance to the operating knob and check pull necessary to engage clutch, this should be 11.3 kgs. (25 lbs). Give Stauffer one turn. (Wormbox)





## Maintenance

#### WEEKLY

GENERAL	Apply a little engine oil to pin joints on water tank controls, axle pivots etc. Check two screws on hydraulic valve (hopper)	
	-	

#### MONTHLY

BREATHER FILTER ON HYDRAULIC TANK	Remove breather filter and rinse in clean petrol, air dry thoroughly before refitting. Cover aperture while filter is being cleaned.
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#### THREE MONTHLY

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	Change oil after first three months operation and subsequently every six months—see below.
HYDRAULIC HEADER TANK FILLING FILTER	Remove, clean and inspect See page 8

#### SIX MONTHLY

BREATHER FILTER ON HYDRAULIC TANK	Renew Breather Filter.	
REDUCTION	Drain and refill. See page 6	

#### EQUIVALENT GRADES OF OIL

APPLICATION	SHELL	BP	ESSO	MOBIL	CASTROL
Worm Box		Energol CS550	Teresso140	Mobil Gear 632	Alpha 717
Hydraulic System—up to 90 <sup>o</sup> F		Energol HLP80	Nuto H.54	Mobil D. T. E. 25	Hyspin AWS 32
Hydraulic System—above 90 <sup>o</sup> F		Energol HLP100	Nuto H.54	Mobil D. T. E. 26	Hyspin AWS 68
Grease Points		Energrease LS2	Beacon 2	Mobilplex 47	Spheerol APT 2

NOTE:- In the above we list the lubricant specifications as recommended by various companies. These are intended as a guide only and should your site conditions be in any way abnormal your local oil supplier should be consulted.

## **Spares**

Please note that a number of components are described as being c/w screws, nuts and washers, this is no longer the case and all fixings should be ordered separately if required. Imperial fixings may no longer be available and the nearest metric equivalent will be supplied.



#### TO FIND A SPARE PART

The assemblies have been divided into groups and given identification letters A.B.C. etc. To identify a component, first find the relevant assembly in the list given on next page, this will give you a group letter to turn to. On turning to this group the illustrations will enable you to identify the part you required and give you a reference number. Against this number in the Parts List will be found the DESCRIPTION and PART NUMBER information which we require.

To avoid delays and errors, remember always to quote :-

#### THE MACHINE NUMBER

C

 which will be found stamped on a plate at the side of the machine

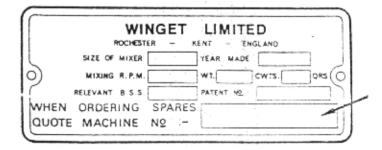
### DON'T RISK DELAYS AND ERRORS

#### REMEMBER

### **ALWAYS QUOTE**

### THE SERIAL NUMBER

#### **OF THE MACHINE**



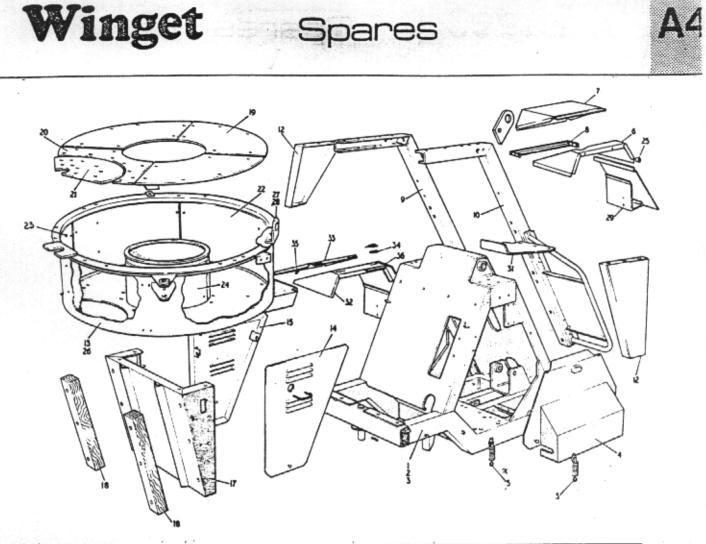
### AND THE ENGINE NUMBER

Spares Groups



Group	Description
A4	Mainframe, Pan Wearing Plates and Guards
A5	Portability with Steel Wheels
A6	Portability with Pneumatic Wheels
B13	Rotor and Blades
B14	Pan Covers
D5	Cradle, Hopper, Loadcell and Gauge
E5	Hydraulic Tank
E6	Hopper Ram up to Ram No. 8200
E7	Control Valve
E8	Dragline Control Block
E10	Basic Hydraulic Circuit
E11	Basic Hydraulic Circuit with Dragline
E15	Basic Hydraulic Circuit with Dragline and Power operated
	Pan Door
E16	Basic Hydraulic Circuit with Power operated Pan Door
E18	Pan Door Ram
E21	Cessna Control Valve Assembly
E22	Cessna Control Valve Fixings
E23	Hopper Ram from Ram No. 8201
E	Identification of Hydraulic Fixings
F3	Water Tank Mechanism
F10	Water Tank
F11	Water Tank Controls
F12	Water Pump used when water meter is fitted
F13	Water Fump with Washdown only
F15	Washdown System without water meter
F17	Water Pump and Water Meter
Gl	Dragline
G2,	Anti-bounce
H3	MK II Hydraulic Winch and Hoist Mechanism
<b>H4</b>	MK III Hydraulic Winch and Hoist Mechanism
J2	Dynamo Drive Assembly
K2	Compressor Drive - Optional
L11	Lister SE3 Diesel Drive Assembly
L12	Petter PH2 Diesel Drive Assembly
L13	Electric Drive Assembly
MI	Wiring Diagram
NI	Worm Reduction Unit
P1	Discharge Door Hand and Power Operated
P2	Discharge Door Operation Hand and Power Operated
Q1	Clutch
RI	Jockey Pulley
SI	Drive Bearing Bracket and Pump Mounting
UI	Dragline Loading Ramp
V2	Mixer with Portasilo

Winget



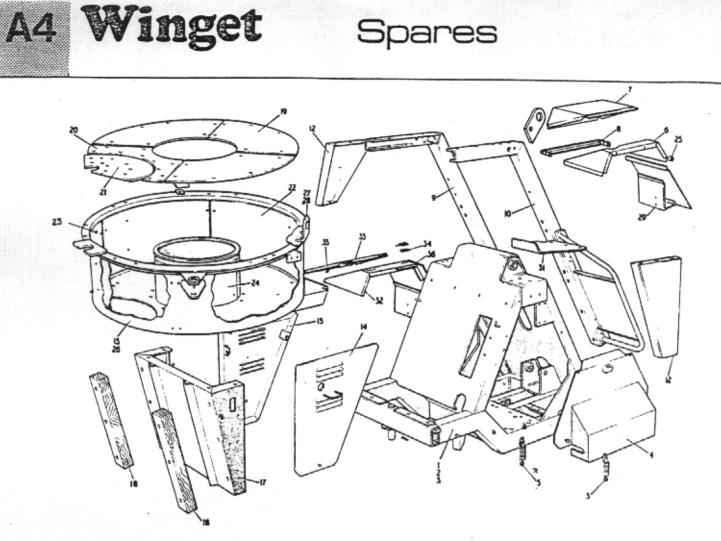
	Description	Part N <sup>0</sup>	۵ty
1 1	Mainframe (Basic)	555-1579	1
2	*Mainframe for Non-Weigher Machines used with (Basic) Mainframe 555-1579	555-1096	1
3	*Mainframe for Preumatic Wheels & Manual Jacking Optional used with (Basic) Mainframe 555-1579	555-1026	1
4	Control side Cover	555-1315	1
5	Bonnet Clip	221-101000	4
ñ	Fuel Tank Shroud complete with	555-1284	1
Ũ	Hex Head Bolt	460-506100	1
	Hex Head Bolts	460-506060	4
	Hex Head Bolts	460-506080	4 2 1
	Hex Head Bolt	460-506280	1
	Hex Nuts	331-850600	8
	Spring Washers	464-306000	8 8 1
7	Engine Fuel Tank Cover complete with	555-1286	1
	Hex Head Bolt	460-506060	1
	Hex Nut	331-850600	1
	Spring Washer	464-306000	1
8	Back Stop for Fuel Tank Cover	555-1285	1
9	Dragline & Water Tank Support Frame (R.H.) complete with	555-1456	1
-	Hex Head Bolts	460-350830	3
	Hex Head Bolts	460-350812	3
	Hex Nuts	330-350800	6
	Spring Washers	464-308000	6
	Plain Washers	463-308000	3
10	Dragline & Water Tank Support Frame (L.H.) complete with	555-1457	1
	Hex Head Bolts	460-350830	3
	Hex Head Bolts	460-350812	3
	Hex Nuts	330-350800	1 3 3 6 3 1 3 3 6 6
	Spring Washers	464-308000	6
	Plain Washers	463-308000	3

S.83 October 1972

#### MAINFRAME, PAN, WEARING PLATES & GUARDS

\*When Ordering these items the Basic Mainframe No.1 must always be Quoted too.

When Ordering Always Quote :--- Machine Nº Part Nº Description 8Quantity



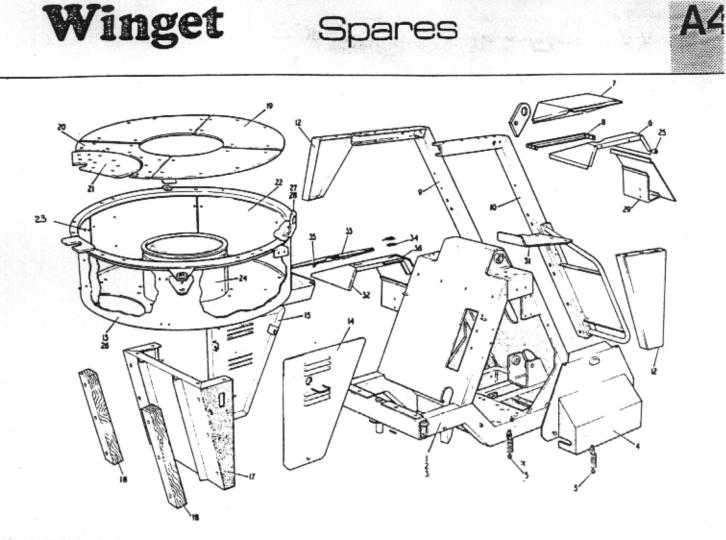
Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
11			1
12	Water Tank Support complete with	555-1604	18H 1LF
	Hex Head Bolts	460-350810	4
	Hex Nuts	330-350800	4
	Spring Washers	464-308000	4
13	Mixing Pan (Power Door) complete with	555-1580	1
	Hex Head Bolts	460-350810	
	Hex Nuts	330-350800	4
e dat i	Spring Washers	464-308000	4
14	Side Panel L.H.	555-1584	4 4 4 1
15	Side Panel R.H.	555-1585	
16		303-1365	
17	Pedestal for Pan complete with	555-1386	1
	Hex Head Setscrews	418-250806	
	Spring Washers	464-308000	4
	Hex Head Bolts	460-350608	4
	Hex Nuts	330-350600	6
	Spring Washers	464-306000	6
18	Wooden Buffers complete with	512-1334	0
	Coach Boits		2
	Hex Nuts	461-556160	0
	Spring Washers	331-850600	6
19	Pan Bottom Wearing Plate complete with	464-306000	446562663
	Csk Head Setscrews	555-15821	3
	Hex Nuts	400-15822	18
	Spring Washers	330-350800	18
20	Pan Bottom Wearing Plate Around Door inlet complete with	464-308000	18
20	Csk Head Setscrews	555-15822	1
		400-158320	6
	Csk Head Setscrews Hex Nuts	400-158220	4
		330-350800	10
	Spring Washers	464-306000	10

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#### MAINFRAME, PAN, WEARING PLATES & GUARDS

\*When Ordering these items the Basic Mainframe No.1 must always be Quoted too.

When Ordering Always Dunte :-- Machine NO Part NO Description BOughtit.



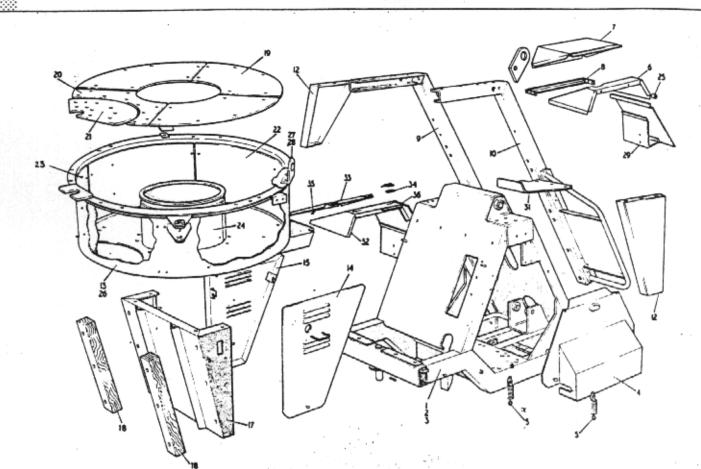
Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	۵ty
Ref Nº 21 22 23 24 25 26	Description Door Wearing Plate complete with Csk Head Setscrews Hex Nuts Spring Washers Pan Outer Wearing Plates complete with Csk Head Setscrews Hex Nuts Spring Washers Pan Outer Wearing Plates Door complete with Csk Head Setscrews Hex Nuts Spring Washers Pan Inner Wearing Plates complete with Csk Head Setscrews Hex Nuts Spring Washers Pan Inner Wearing Plates complete with Csk Head Setscrews Hex Nuts Spring Washers Distance Piece Mixing Pan (Hand Door) complete with Hex Head Bolts	Part NO 555-15823 400-156260 330-350600 464-306000 555-158320 400-156180 330-350600 464-306000 555-15832 400-156180 330-350600 464-306000 555-1592 400-156180 330-350600 464-306000 555-1592 400-156180 3555-1592 400-156180 3555-1592 400-156180 3555-1592 400-156180 3555-1592 400-156180 3555-1592 400-156180 3555-1592 400-156180	Qty 1 10 10 10 3 18 18 18 18 18 18 18 18 18 18
•27	Hex Nuts Lifting Lug complete with Hex Head Bolts Binx Nuts Plain Washers	330-350800 555-1842 460-350812 335-760800 463-308000	4 2 4 4 4
●28	Square Washer Machine Less Water Tank and Dragline ●	463-408000	1

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MAINFRAME, PAN, WEARING PLATES & GUARDS

\*When Ordering these items the Basic Mainframe No.1 must always be Quoted too.

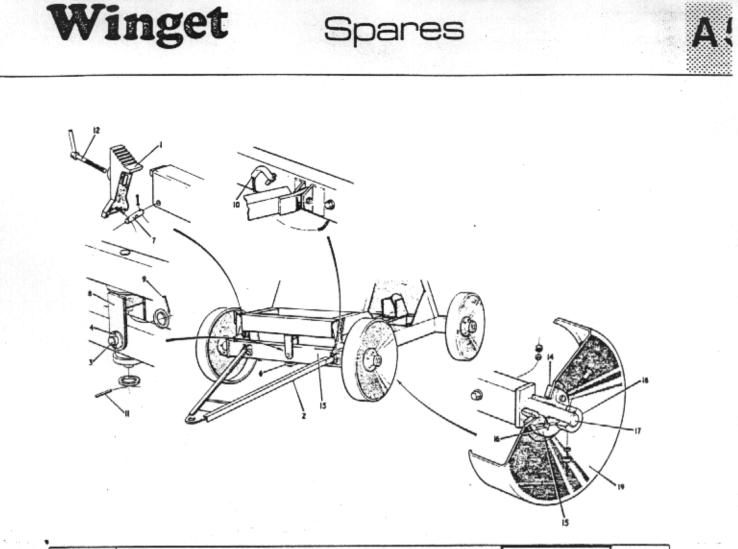
When Ordering Always Quote :- Machine Nº, Part Nº, Description BQuantity



Spares

A4 Winget

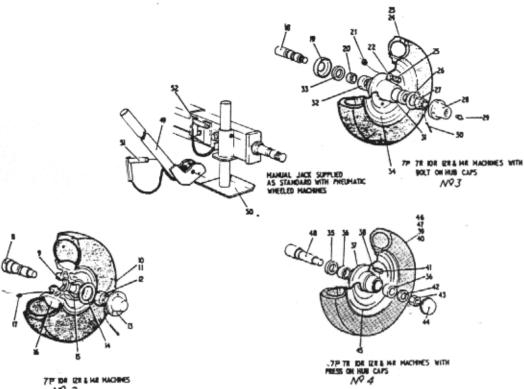
Ref N <sup>o</sup>	Description	Part No	Qty
29	Fuel Tank Cover Extension	555-1883	1
30	Fence complete with	555-1899	1
	Her Head Setscrews	418-250606	1 6
	Spring Washers	464-306000	6
31	Step complete with	555-1904	6 1 2 2 2 2 1 1 2 3 3
	Hex Head Bolts	460-350812	2
19 A. 1	Hex Nuts	330-350800	2
	Spring Washers	464-308000	2
	Plain Washers	463-308000	2
32	Fuel Tank Shroud complete with	555-1931	1
	Hex Head Bolts	460-506100	1
	Her Head Bolts	460-506080	2
	Hex Nuts	331-850600	3
	Spring Washers	464-306000	
33	Hinged Fuel Tank Cover complete with	555-1932	1
	Cak Head Screws	400-810060	6
	Hex Nuts	342-910000	6,
	Spring Washers	464-260000	6
34	Packers	555-1933	2
35	Latch for Hinged Fuel Tank Cover complete with		2
	Hex Head Bolts	460-504060	1
	Binx Nuts	335-760400	1
	Plain Washer	463-304000	1
36	Foam Rubber Cord	394-414000	1
			Lgth



Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
1	Axle Sprags	555-1011	2
2	Towbar	555-1012	1
3	Axle Pivot Pin	555-1014	1 1
4	Sel-Lock Pins complete with	353-803320	2
- 1	Plain Washers	463-320000	2
5		_	1 2 2 - 1
5 6 7	Axle Tie bar	555-1016	1
7	Sprag Pins complete with	555-1017	2
	Split Pins	353-304160	2 4 1
8	Axle Pivot	555-1019	1
9	Sel-Lock Pin complete with	353-806320	1
J	Plain Washer	463-324000	1
10	Towbar Drop End Pins	555-1021	2
11	Sel-Lock Pins complete with	353-803240	2
	Plain Washers	463-316000	2
12	Sprag Retainers complete with	555-1018	2
	Heavy Plain Washers	463-410000	2
13	Front Axle	555-1027	2 2 2 2 2 1
14	Backing Plates	511-1654	4
15	Wheel Hubs	511-1438	4
16	Straight Nipples	333-104200	4
17	Stub Axles complete with	555-1023	4
	Hex Hd Bolts	460-350830	4
	Hex Nuts	440-350800	4
	Spring Washers	464-308000	4
18	Collars complete with	145-504000	4
	Hex Hd Bolts	460-350630	4
	Hex Nuts	330-350600	4
	Spring Washers	464-306000	4
19	Road Wheels complete with	511-1467	4
	Hex Hd Boits	460-351016	16
	Hex Nuts	330-351000	16
	Spring Washers	464-310000	16

Winget

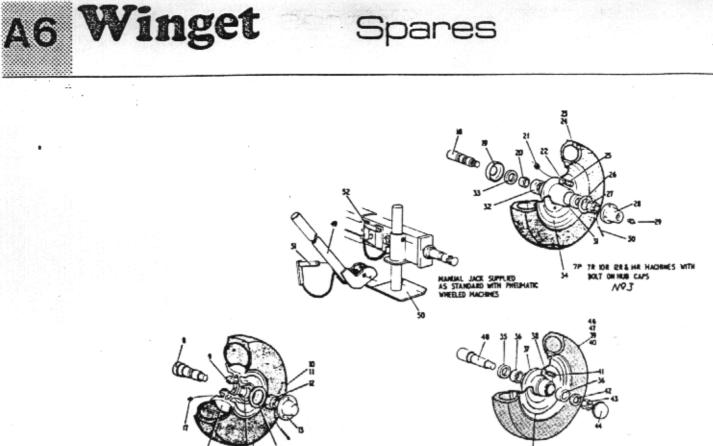




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7₽ 104 1281 Nº 2 HAR MACHINES

Ref Nº	Description	Part N <sup>0</sup>	Qty
1		_	-
2 3 4 5 7	입법 부장님께 물리는 것 같아. 이 것을 수 있는 것 같아. 이 가지 않는 것 않는 것 같아. 이 가지 않는 것 않는 것 같아. 이 가지 않는 것 않는	-	- 1
3	201 <u>~</u> 한 가슴 모든 것 같은 것 같은 것 같은 것 같이 가지 않는 것 같은 것 같	- 1	-
4	· · 프 · 영 · 방법, · 한 · · · 영	-	-
5		- 1	- 1
7	이는 이렇게 잘 많이 좋아 봐요. 이렇게 하는 것이 같아요.	-	-
	For 7P, 10R, 12R and 14R Machines fitted with 7.50 x 10.00 tyres (Illustration No. 2)		
8	Stub Axle complete with:	555-1032	4
	Hex Hd Bolts	460-350832	4
	Hex Nuts	330-350800	4 4 4
	Spring Washers	464-308000	4
9	Oil Seal	475-750109	4 4 4 4 4 8
10	Tyre	475-750101	4
11	Tube	475-750102	4
12	Axle Nut complete with Split Pin	475-750111	4
13	Hub Cap complete with Screws	475-750104	4
14	Fibre Washer	475-750110	4
15	Bearings	475-750107	8
16	Wheel Hub	475-750103	4
17	Grease Nipples	475-750106	4
	For 7P, 7R, 10R, 12R and 14R Machines fitted with 6.50 x 16.00 tyres and bolt on hub caps (Illustration No. 3)		
18	Stub Axle complete with	555-1032	4
	Hex Hd Bolts	460-350832	4
	Hex Nuts	330-350800	4
	Spring Washers	464-308000	4
19	Oil Guard	475-650009	4
20	Abutment Ring	475-650006	4
21	Locknut	331-209000	20



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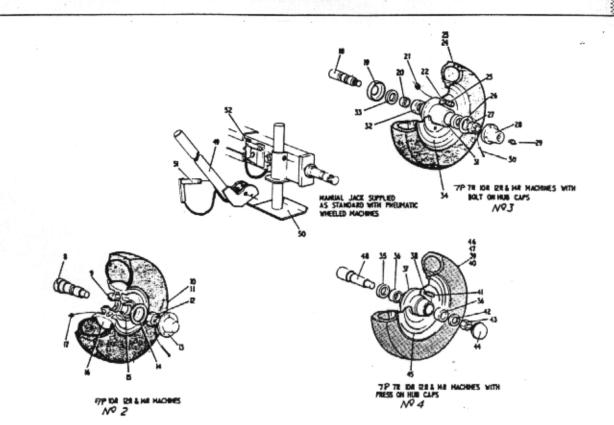
-79 TE DA 1283 1 MESS ON HUB CAPS Nº 4 MACH WITH

Ref Nº	Description	Part N <sup>0</sup>	Qty
22	Stud	475-650004	20
23	Tyre	475-600001	4
24	Tube	475-650002	4
25	Nut	475-650008	20
26	Fibre Seal	475-650007	4
27	Axle Nut	475-650003	4
28	Hub Cap	475-650011	4
29	Greaser	475-650010	4
30	Split Pin	353-308200	4
31	Hub Shell	475-650005	4
32	Bearings	475-750107	844
33	Oil Seals	475-750109	4
34	Whee! Pressings	475-650013	4
	For 7P, 7R, 10R, 12R and 14R Machines fitted with 6.50 x 16.00 tyres or 6.00 x 16.00 RK3 tyres and press on hub caps (Illustration No. 4)		
35	Oil Seal	475-310001	4
36	Bearing	475-310002	8
37	Hub	475-310003	4
38	Wheel Stud	475-310004	4 5
39	Tyre (6.50 x 16.00)	475-650001	4
40	Tube (6.50 x 16.00)	475-650002	4
41	Wheel Nut	475-310005	5
42	Washer	475-310006	4
43	Axle Nut	475-310007	4
44	Grease Cap	475-310009	4
45	Wheel Pressing	475-650013	4
46	Tyre (6.00 x 16.00 RK3)	475-600017	4
47	Tube (6.00 x 16.00 RK3)	475-600018	4
48	Stub Axle complete with	555-5029	4
	Hex Hd Bolts	460-350832	4

7 P 108 28 5 HR HACING

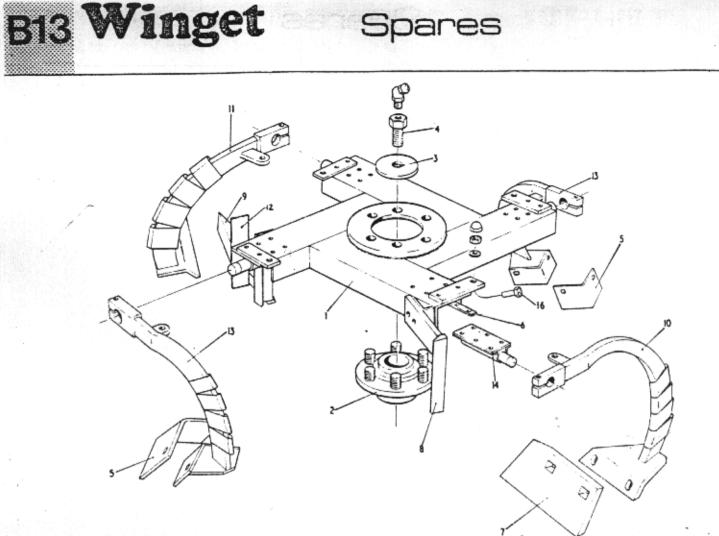
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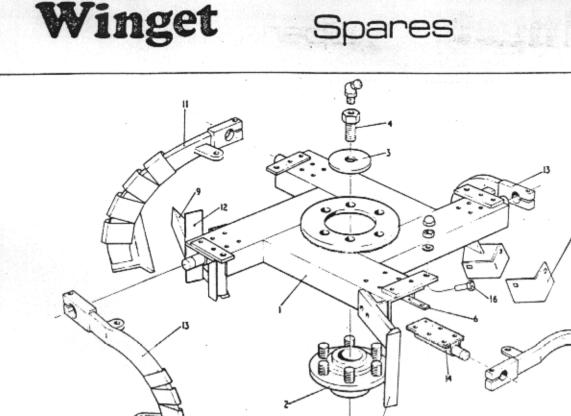


Spares

Ref Nº	Description	Part N <sup>o</sup>	Qty
	Hex Nuts Spring Washers	330-350800 464-308000	4 4
	Note: Wheel Assembly No. 4 can be fitted with $6.50 \times 16.00$ or $6.00 \times 16.00$ RK3 tyres and tubes (see items 39, 40, 46 and 47)		
49 50 51 52	Manual Jack Jack Foot Jack Pivot Pin Jack Pin	555-1028 555-1029 555-1031 555-1030	1 4 1 1 set



Ref Nº	Description		Part N <sup>Q</sup>	Qty
1	Flexitor Botor		555-1968	1
2	Rotor Carrier complete with		512-1064	1 1
-	Hex Nuts	-	331-851000	6
	Spring Washers		464-310000	6 1
3	Reduction Shaft Retaining Collar		512-1051	
4	Setscrew complete with		555-1598	1
	Grease Nipple		333-773000	1
5	Plough Blade complete with		512-1392 -	2
	Special Bolts		514-1624	4
	Binx Nuts		330-310800	4
	Plain Washers		463-308000	4
6	Flexitor Packer		555-1965	8
7	Inner Paddle Blade complete with		512-1393 -	1
	Special Bolts		514-1624	2
	Binx Nuts		330-310800	2
	Plain Washers		463-308000	2
8	Outer Scraper Blade complete with	2	555-1967 -	1
	Hex Hd Bolts	69\$05K	460-508018	2
	Hex Nuts		331-850800	2
	Plain Washers		463-308000	2
	Spring Washers		464-308000	2
9	Outer Paddle Blade complete with		512-1394 -	
	Special Bolts	unt or	514-1624	2
	Binx Nuts	14 2pos	330-310800	2 4 4 4 B 1 2 2 2 1 2 2 2 1 2 2 2 1 1 2 2 2 1 1
	Plain Washers	7.	463-308000 512-1067 -	
10	Inner Mixing Blade Arm complete with		460-508026	
	Hex Hd Bolt Hex Nut		331-850800	1
			464-308000	1
	Spring Washer	-	404-300000	1
			1	



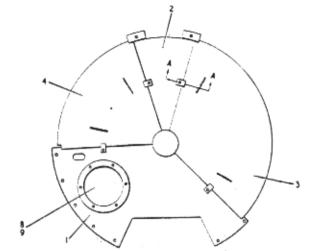
Part No Ref Nº Description ۵ty 512-1068 11 Outer Mixing Blade Arm complete with 1 2159\$05Q Hex Hd Bolt 460-508026 1 Hex Nut 331-850800 1 464-308000 1 Spring Washer 12 Inner Scraper Blade complete with 555-1578 ~ 1 222222222 Hex Hd Bolts 460-508014 Hex Nuts 330-350800 Spring Washers 464-308000 Plain Washers 463-308000 13 Plough Blade Arm complete with q 512.1065 . W69\$05Q NIC4\$05 Hex Hd Bolts 460-508026 331-850800 Hex Nuts 464-308000 Spring Washers 14 Flexitor complete with 447-102000 24 Hex Hd Bolts Nocbes C 460-506010 331-850600 24 Hex Nuts 24 Spring Washers 464-306000 16 15 Gaiters for Paddle Arms 512-1040 -W69\$05\$ U104\$05 460-508030 4 16 Hex Hd Bolt complete with 4 Hex Nut 331-850800 4 332-726000 Domed Nut Plain Washer 463-308000 4

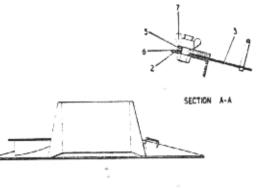
When Ordering Always Quote :- Machine Nº, Part Nº, Description BQuantity

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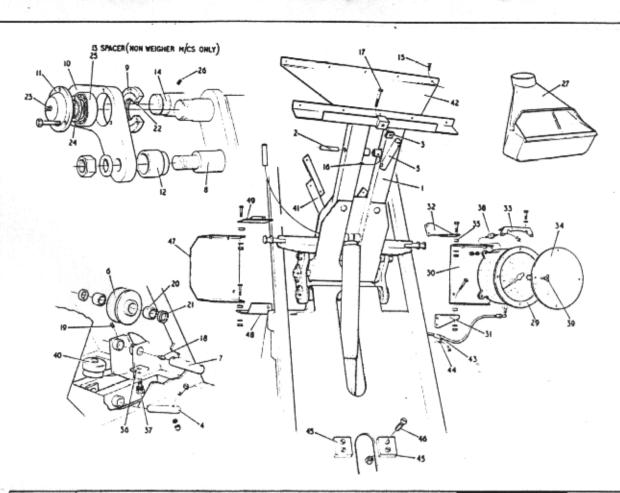
**B14 Winget** 





Ref N <sup>o</sup>	Description	Part N <sup>Q</sup>	Ûty
1	Pan Cover - Feed Sector complete with Hex Hd Bolt Hex Nut Spring Washer	555-1539 460-50808 331-8508 464-308	1 7 7 7
2	Pan Cover - Small Fixed Sector complete with Hex Hd Bolt Hex Nut Spring Washer	555-1542 460-50808 331-8508 464-308	7 7 7 1 2 2 2 1 1 4 4
3 4 5 6 7	Pan Cover - Large Loose Pan Cover - Small Loose Pan Cover Clip	555-1540 555-1541 555-1544	1 1 4
6 7 8	Bright Washers Wing Nut Cover Plate complete with	463-308 335-158 555-1543	4
	Hex Hd Bolt Hex Nuts Spring Washers	460-50608 331-8506 464-306	1 6 6
9	Gasket	555-1545	1

PAN COVERS



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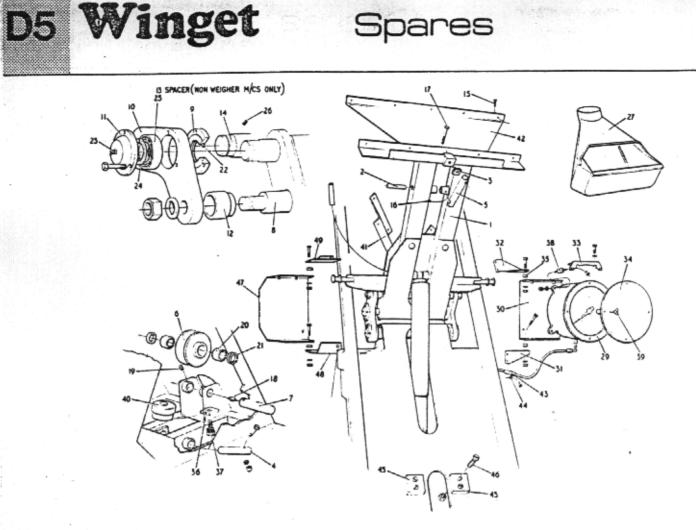
Winget

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Ref N <sup>o</sup>	Description	1	Part N <sup>o</sup>	Qty
		-		+ •
1	Hopper Cradle (without Dragline	)	555-1079	1 1 1
	Hopper Cradle (with Dragline)		555-1206	1 1 i
2 3 4	Hopper Cradle Pin		555-1093	1 -
3	Loadcell Striker Packer		555-1092	1Set -
4	Hopper Ram Pin complete with		555-1085	2 2
		Hex Hd Bolts	460-350618	2 2
		Hex Nuts	330-3506	2 2
		Spring Washers	464-306	2 2
5	Loadcell Striker		555-1091	1 -
5 6 7	Loadcell Striker Guide		555-1089	1 1 -
7	Pin for Loadcell Striker Guide		555-1090	l i -
8	Link Shaft complete with		555-1087	1 1 1
		Hex Nuts	330-3520	2 2
		Plain Washers	463-320	2 2
9	Seal Housing		555-1086	
10	Link Arm		555-1088	1pr
11	Bearing Cap complete with		555-1219	4 4
		Hex Hd Bolts	460-50516	12 1
		Spring Washers	464-305	12 1
12	Sleeve	Spring Washers	555-1095	
13	Spacer			- 2
14	Shaft		555-1094	
15			555-1080	
15	Csk Hd Screw complete with	Hex Nut	400-151014	99
			330-35010	99
16	E	Lock Nut	330-5510	9 9
	Socket Setscrew with Cone Point		404-910510	1 -
17	Hex Hd Setscrew complete with		418-250826	1 -
		Spring Washers	464-308	1 1 -
18	StraightGrease Nipple		333-1061	1 -
19	Socket Setscrew Flat Point		404-90608	1 -
20	Needle Roller Bearing		113-149	2 -

CRADLE HOPPER LOADCELL & GAUGE \*Non Weigher

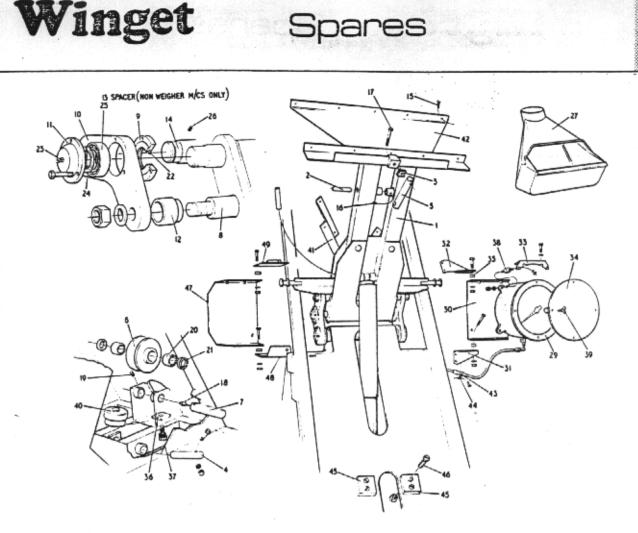
When Ordering Always Quote :- Machine Nº, Part Nº, Description BQuantity



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	<u> </u>
			+ *
21	Seal	417-780	2 -
22	Nu-Lip Rings	391-802	4 4
23	Grease Nipple 45 <sup>0</sup>	333-6011	44
24	External Circlip	142-318	4 2
25	Needle Roller Bearing	103-951	4 2
26	Socket Setscrew Cone P.T.	404-910610	22
27	Hopper	555-1044	1 1
28	Chain for Hopper (Not Illustrated)	50-29285	1 1 1
29	Weigh Gauge	267-204	1 1 -
30	Weigh Dial Mounting Plate complete with	555-1246	1 -
	Hex Hd Bolts	460-50606	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
	Spring Washers	464-306	2 -
31	Weigh Dial support (Lower) complete with	555-1247	1 -
	Hex Hd Bolt	460-50812	1 -
	Hex Nut	330-3508	1 -
	Spring Washer	464-308	1 1
	Hex Hd Bolt	460-50608	2 - 2 -
	Hex Nut	330-3506	
	Spring Washer	464-306	2 -
32	Weigh Dial support (Upper) complete with	555-1248	1 -
	Hex Hd Bolt	460-50812	1 -
	Hex Nut	330-3508	1
	Spring Washer	464-308	1 -
	Hex Hd Setscrews	418-250606	2 - 2 -
	Hex Nuts	330-3506	2 -
	<ul> <li>Spring Washers</li> </ul>	464-306	2 -
33	Weigh Dial Mounting Plate (Upper)	555-1249	1 -
			tWeigher *Non Weigher

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CRADLE HOPPER LOADCELL & GAUGE

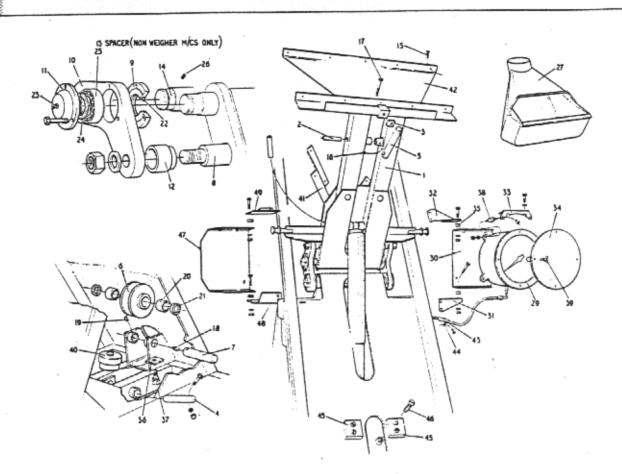


Descriptio	n	Part N <sup>0</sup>	Qty
			+ •
	~		
Dial Cover		555-1250	1 1 -
Spacer		555-1251	2 -
Loadcell Packer		512-1183	1 Set -
Hex Hd Setscrew complete with		418-350810	1 1 -
	Spring Washer	464-308	1 1 -
Flexible Mountings complete wi	th	105-343	4 -
	Hex Nuts	330-505	8 -
	Spring Washers	464-305	8 -
Thumb Screw		407-310512	4 -
Loadcell & Gauge complete		555-1243	1 1 -
		555-1098	2 2
	Hex Hd Bolt	460-351010	4 4
	Binx Nut		4 4
	Plain Washers	*** ***	4 4
Hopper Packer complete with		555-1099	1 1 1
	Hex Hd Bolt	460-351010	3 3
	Biax Nut	330-3610	3 3
			3 3
Hose Guard			1 1 .
			2 -
	Hex Hd Bolt		2.
	Hex Nut		2 -
			2 -
Cradle Stop	where it is a second		- 2
			- 4
Usk Screws complete with	01 N .		- 4
	Binx Nut	335-7608	- 4
		1	tWeigh
		1	*Non
	Dial Cover Spacer Loadcell Packer Hex Hd Setscrew complete with Flexible Mountings complete wi	Spacer Loadcell Packer Hex Hd Setscrew complete with Flexible Mountings complete with Hex Nuts Spring Washers Thumb Screw Loadcell & Gauge complete Packing Bracket complete with Hex Hd Bolt Binx Nut Plain Washers Hopper Packer complete with Hex Hd Bolt Binx Nut Plain Washers Hose Guard Brass Cable Clip complete with Hex Hd Bolt Hex Hd Bolt Hex Nut Spring Washer Cradle Stop	Dial Cover555-1250Spacer555-1251Loadcell Packer512-1183Hex Hd Setscrew complete with418-350810Spring Washer464-308Flexible Mountings complete with105-343Hex Nuts330-505Spring Washers464-305Thumb Screw407-310512Loadcell & Gauge complete555-1243Packing Bracket complete with555-1098Hex Hd Bolt460-351010Binx Nut330-3610Plain Washers463-310Hopper Packer complete with555-1099Hex Hd Bolt555-1099Hex Hd Bolt555-1010Si-\alpha Nut330-3610Plain Washers463-310Hose Guard555-1701Brass Cable Clip complete with143-246Hex Hd Bolt463-102Cradle Stop555-1096Cradle Stop555-1096Csk Screws complete with400-150812

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CRADLE HOPPER LOADCELL & GAUGE

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**D5** Winget

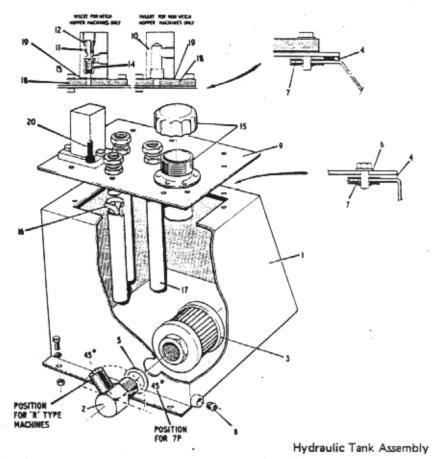
Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
47	Weigh Dial Mounting Plate complete with Hex Hd Bolts Spring Washers	555-1927 460-350606 464-306000 555-1928	+ • 1 - 2 - 2 - 1 -
48	Weigh Dial Support (Lower) complete with Hex Hd Bolts Hex Nuts Spring Washers Hex Hd Bolt	460-350830 330-350800 464-308000 460-350812	2 - 3 - 3 - 1 -
49	Weigh Dial Support (Upper) complete with Hex Hd Bolt Hex Nut Spring Washer Hex Hd Bolt Hex Nut Spring Washer	555-1929 460-350626 330-350600 464-306000 460-350812 330-350800 464-308000	

CRADLE HOPPER LOADCELL & GAUGE

# Winget Spares

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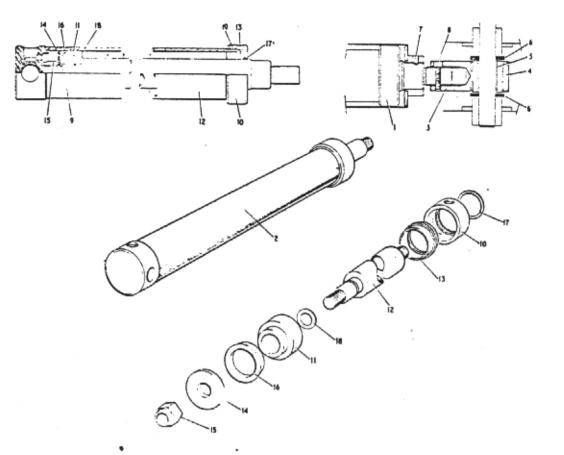


555-1356

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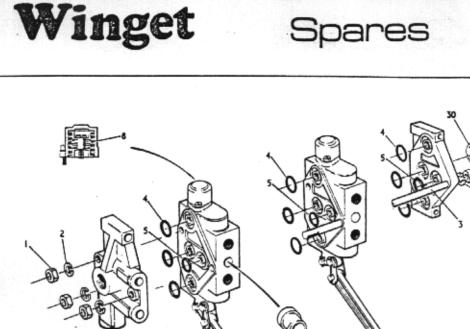
Ref Nº	Description	Part N <sup>o</sup>	Qty
1	Hydraulic Tank complete with	555-1359	1
	Hex Hd Bolt	460-50608	3
	Hex Nut	331-8506	3
	Spring Washers	464-306	3
2	Strainer Connection	555-1361	1
2 3	Single Unit Suction Filter	220-514	1 1
4	Self Adhesive Gasket	254-916	1 Lengt
5	Bonded Seal	417-808	1
4 5 7 8 9	Selon Washers	464-804	1 11
7	Spire Captive Nut	332-719	10
8	Taper Plug	360-208	1 1
9	Cover for Hydraulic Tank complete with	555-1360	1 i
J	Hex Hd Setscrews	418-350405	9
10	Connecting Block (Non Weigher M/Cs) complete with	555-1373	1
11	Bleed Valve Block (Weigher M/Cs) complete with	555-1374	
12	Bleed Valve Plunger	50-31395	
13	Bleed Valve Joint	555-1375	
14	Compression Spring	420-428	
15	Filler Breather with Self Tap Screws	220-246	
16	Hose Clamp	143-108	3
17	Clear P.V.C. Tube	260-81208	3
18	Adaptor Plate complete with	555-1869	1
10	Hex Hd Bolt	460-50411	
	Hex Hd Setscrew	418-350408	
19	Adaptor Plate Gasket	555-1870	
20	Skt Hd. Capscrews	404-70410	2
20	Skt Hu. Gapsalews	404.70410	
			1
		1	
		1	
		1	1
		1	1

HYDRAULIC TANK



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
1 2 3 4 5 6 7 8 9 10 11 12 13 14 5 16 17 18 19	Ram Shroud Hopper Ram End Piece for Ram Insert for Ram End Bush Bright Plain Washers Skt. Screw (Half Dog PT.) Skt. Hd. Capscrews Tube Assy L1753 Locking Ring L1752 Piston Head L1748 Piston Rod L1747 Insert L1751 Back-up Plage L1749 Locknut L222 Piston Seal L1754	555-1367 555-1366 555-1366 555-1365 112-801100 555-1679 404-930606 404-706240 272-127100 272-127200 272-127300 272-127400 272-127600 272-127600 272-127700 272-127700 272-127900 272-127010 272-127011	1 1 1 2 2 1 2 1 1 1 1 1 1 1 1 1 1

Hopper Ram - Up to Ram No. 8200



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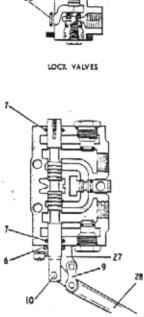
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MAIN RELIEF VALVE

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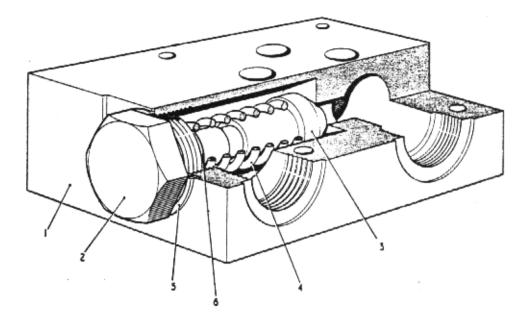
Ref N <sup>o</sup>	Descript	ion	Part N <sup>o</sup>	Qty
Ref Nº 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Descript Hex Nut Spring Washer Stud Range 'O' Ring 'O' Ring Wiper Seal 'O' Ring Spring Link Pin 'O' Ring 'O' Ring 'O' Ring 'O' Ring 'O' Ring Spring (500-1500 P.S.I.)	102/5/00152 102/5/00275 102/3/00091-99 102/5/00072 102/5/00231 HE/4600/2 102/5/00038 102/5/00013 102/5/00045 102/5/00045 102/5/000427 102/5/00086 102/5/00077	451-431111 451-431200 451-431300 451-431400 451-431500 451-431600 451-431700 451-431800 451-431900 451-431100 451-431110 451-431120	Qty 6 3 9 3 1 2 1 1 1 1 1 1
*15 *16 *17 *18 *19 *20 *21 *22 *23 *24 *25 *26 *27 *28 *29 *30 *31	Spring (1500-3000 P.S.I.) Shim 003" Shim 020" 'O' Ring Poppet 'O' Ring 'O' Ring 'O' Ring Ball 'O' Ring Handle Bracket Handle Adaptor Bonded Seal	102/5/00145 102/5/00056 102/5/00059 102/5/00122 HE/3500/8 102/5/00043 102/5/00042 HE/3500/8 HE/1500/11 102/5/00060 102/5/00060 102/5/00090 102/5/00090 102/5/00090 102/5/00091 102/5/00015 102/3/0015 102/3/0015 102/5/00151 102/5/00151	451-431140 451-431150 451-431160 451-431170 451-431180 451-431200 451-431200 451-431220 451-431230 451-431240 451-431250 451-431260 451-431270 451-431280 451-431280 451-431310	1 As Reqd. As Reqd. 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1

CHECK VALVE

CONTROL VALVE

\*WHEN ORDERING THESE SPARES PLEASE QUOTE DESCRIPTION & CODE PRECEEDING ALSO

When Ordering Always Quote :- Machine No, Part No, Description BQuantity

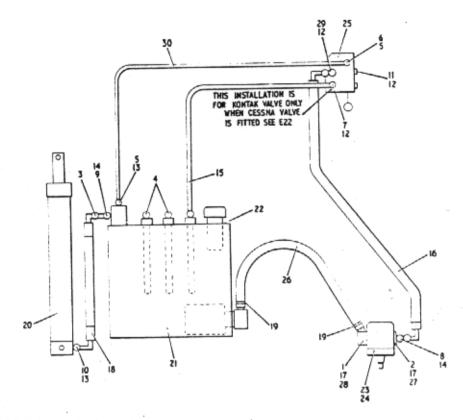


Relief Valve to "Blow Off" at 1000/1200 P.S.I.

Dragline Control Block Assembly 555-1378

Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	۵ty
1 2 3 4 5 6	Dragline Control Block Valve Guide Relief Valve Compression Spring Bonded Seal Plain Washers	555-1379 555-1382 555-1383 555-1384 417-804 463-305	1 1 1 1 As Req

DRAGLINE CONTROL BLOCK

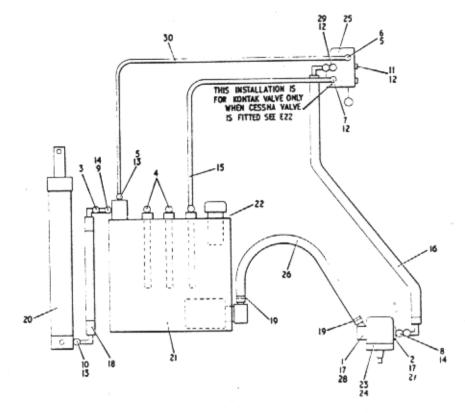


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Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	۵ty
1	Pump Inlet Connector	555-1369	1
2	Pump Outlet Connector	555-1364	
2 3	Connection for Flexible Pipe	513-1195	1 1
4	Blank Bars	555-1368	
5 🖌	Male Stud Coupling	446-349000	2
6	Bonded Seal	417-804000	1
* 7 •	Male Stud Coupling	446-335000	1 1
8	Male Stud Adaptor	446-611000	1
9 🗆 🛛	Standpipe Adaptor	446-403000	1
10 🛆	Male Coned Adaptor	446-614000	1
11 O	Brass Collared Plug	360-106000	11
*12 厳	Bonded Seals	417-806000	1 3 2 2 1 1 2 1 2 1 2
13 厳	Bonded Seals	417-804000	2
14 厳	Bonded Seals	417-803000	2
15	Tank to Control Valve Pipe	555-1696	1
16	Pump to Control Valve Hose	555-1895	1
17 🔳	'O' Ring	391-832000	2
18	Hopper Ram Hose	555-2043	1
19	Hose Clamp	143-152000	2
20	Hopper Ram Assembly Complete with Shroud (See E6)	555-1358	1
21	Hydraulic Tank Assembly (See E5)	555-1356	1
22	Hydraulic Tank Cover Assembly (See E5)	555-1357	1
23	Pump (Diesel M/C's Only) Complete with	365-823000	1
	Hex Hd Screws	418-350410	4
	Spring Washers	464-304000	4
24	Pump (Electric M/C's Only) Complete with	365-322000	1
	Hex Hd Screws	418-350410	4
	Spring Washers	464-304000	4
*25	Kontak Control Valve Complete with (See E7)	451-431000	1
	Hex Hd Screws	418-250520	3
1	Hex Nuts	330-350500	3
	Spring Washers	464-305000	3

# Winget

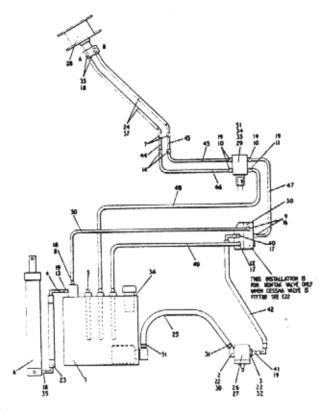




Spares

Ref N <sup>0</sup>	Description	Part N <sup>o</sup>	۵ty
26 27 28	Oil Resistant Hose (Blue) Skt Hd Capscrew —	260-908010 404-750516	1 4 -
28 *29 30	Adaptor Male Reducer Bleed Valve to Control Valve Pipe	013-410000 555-1690	1
	Items marked thus * for use with 'Kontak' Control Valve only		





Ref Nº	Description	Part N <sup>0</sup>	Qty
1	Hydraulic Tank (See E5)	555-1356	1
	Pump Inlet Connector	555-1369	1
2 3 4 5 6 7	Pump Outlet Connector	555-1364	1
4	Connection for Flexible Pipe	513-1195	1
5	Blanking Bar	555-1368	1
6	Hopper Ram Assembly Complete with Shroud (See E6)	555-1358	1
7	Pipe Header	555-1380	1
8 •	Male Stud Coupling	446-349000	1
* 9 •	Male Stud Couplings	446-349000	231
10 •	Male Stud Couplings	446-628000	3
11 •	Male Stud Coupling	446-631000	1
*12 O	Male Stud Coupling	446-335000	1
13 🗆	Standpipe Adaptor	446-403000	1
14	Bulkhead Fittings	466-488000	2
15	· · · · · · · · · · · · · · · · · · ·	-	- 1
16 💥	Bonded Seals	417-804000	2 2 4 6
*17 <b>*</b>	Bonded Seals	417-806000	2
18 🚓	Bonded Seals	417-804000	4
19 🗮	Bonded Seals	417-803000	6
20	—	· · · -	-
21	-		-
22 🗖	'O' Rings	391-832000	2
23	Hopper Ram Hose	555-2043	
24	Dragline Winch Hose	555-2044	2
25	Oil Resistant Hose (Blue)	260-908010	1 .
26	Pump (Diesel M/C's Only) Complete with	365-823000	1
	Hex Hd Screws	418-350410	4
	Spring Washers	464.304000	4
27	Pump (Electric M/C's Only) Complete with	365-822000	1
	Hex Hd Screws	418-350410	4
	Spring Washers	464-304000	4
		1	

Winget

Spares

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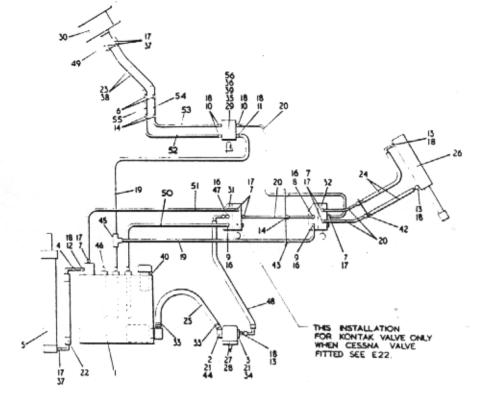
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Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	ûty	
28	Hydraulic Winch Mk II (See H3)	555-1226	1	
	Hydraulic Winch Mk III (See H4)	555-1917	1	
29	Valve Complete with	450-696000	1 1	11/
	Hex Hd Screws	418-350405	4	
	Spring Washers	464-304000	4	
30	Control Valve Complete with (See E7)	451-431000	1	
	Hex Hd Screws	418-250620	3	
	Hex Nuts	330-350600	3	
	Spring Washers	464-306000	3 3 3 2 4	
31	Hose Clamps	143-159000	2	
32 A	Skt Hd Capscrews	404-750516		
33 A	Skt Hd Capscrews	404-750444	4	
34	Dragline Control Block Assembly (See E8)	555-1378	1	
35 🔺	Male Coned Adaptors	466-614000	3	
36	Hydraulic Tank Cover Assembly (See E5)	555-1357	1	Į
37	P.V.C. Covered Strap and Buckles	124-108900	2	
38 △	Skt Hd Capscrews - Vickers Valve Only	404-750240	4	
39	-	-	-	
*40	Adaptor Male Reducer	013-410000	1	
41	Male Stud Adaptor	446-611000	1	
42	Pump to Control Valve Hose	555-1895	1	
43	Bulkhead to Pipe Header (Supply) Pipe	555-1694	1	
44	Bulkhead to Pipe Header (Return) Pipe	555-1695	1	
45	Solenoid Valve to Bulkhead (Supply) Pipe	555-1692	1	
46	Bulkhead to Solenoid Valve (Return) Pipe	555-1693	1	
47	Control Valve to Solenoid Valve Pipe	555-1691	1	
48	Tank to Solenoid Valve Pipe	555-1697	1	
49	Tank to Control Valve Pipe	555-1696	1	
50	Bleed Valve to Control Valve Pipe	555-1690	1	
51	Valve Cover Plate	555-1946	1	
	Items marked thus * for use with 'Kontak' Control Valve only			





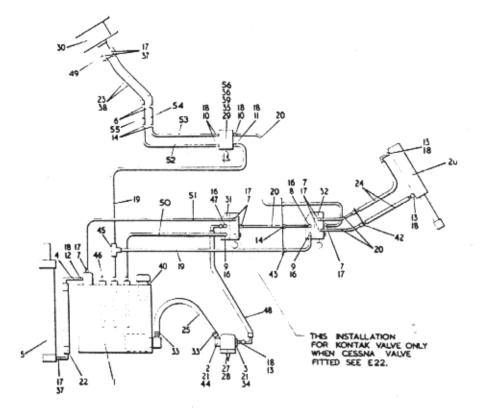




Ref Nº	Description	Part N <sup>0</sup>	۵ty
1	Hydraulic Tank Assembly (See E5)	555-1356	1
	Pump Inlet Connector	555-1370	1
3	Pump Outlet Connector	555-1364	1 1
2 3 4 5 6	Connection for Flexible Pipe	513-1195	1
5	Hopper Ram Assembly Complete with Shroud (See E6)	555-1358	1
6	Pipe Header	555-1380	1 1
7 •	Male Stud Couplings	446-349000	6
8 0	Male Stud Coupling	446-612000	6
9 0	Male Stud Couplings	446-335000	2
10	Male Stud Couplings	446-628000	231
11 0	Male Stud Coupling	446-631000	1
12 0	Standpipe Adaptor	446-403000	1 1
13 🔺	Male Coned Adaptor	446-611000	3
14	Bulkhead Fittings	221-303000	3
15	Durknead Tritings	-	-
16 🚓	Bonded Seals	417-806000	4
17 *	Bonded Seals	417-804000	9
18 厳	Bonded Seals	417-803000	9 8 1
19	Bright Steel Tube – Length to suit		1 1
20	Bright Steel Tube - Length to suit	-	1
21	'O' Rings	391-832000	2
22	Hopper Ram Hose	555-2043	1
23	Dragline Winch Hose	555-2044	2
24	Single Wire Hose Female Straight Female 90°	260-909000	2 1 2 2
25	Oil Resistant Hose (Blue)	260-908010	1
26	Double Acting Ram (See E18)	272-126000	1
27	Pump (Diesel Machines Only) Complete with	361-132000	1
21	Hex Hd Bolts	460-350410	4
	Binx Nuts	330-360400	4
28	Pump (Electric Machines Only) Complete with	361-133000	1
20	Hex Hd Bolts	460-350410	4
	Binx Nuts	330-360400	4



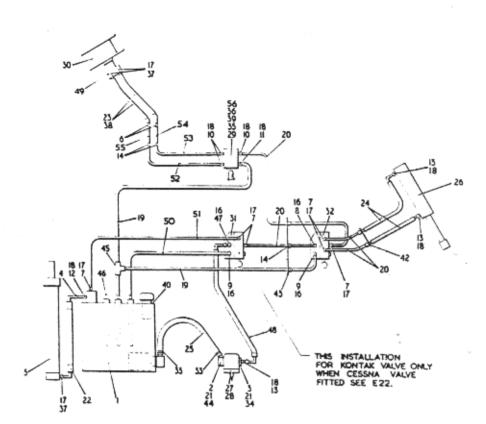
EI5



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
29	Valve Complete with	450-661000	1
	Hex Hd Screws	418-350405	4
1.1	Spring Washers	464-304000	4
30	Hydraulic Winch Mk II (See H3)	555-1226	1
	Hydraulic Winch Mk III (See H4)	555-1917	1
31	'Kontak' Control Valve Complete with	451-431000	1
	Hex Hd Screws	418-250620	1 3 3 3
1	Hex Nuts	330-350600	3
	Spring Washers	464-306000	3
32	Control Valve complete with	451-435000	1
	Hex Hd Bolts	418-250626	3 3 2 2 4 1
	Hex Nuts	330-350600	3
	Spring Washers	464-306000	3
33	Hose Clamps	143-703000	2
34 △	Skt Hd Capscrews	404-750516	2
35 A	Skt Hd Capscrews	404-750428	4
36	Dragline Control Block Assembly (See E8)	555-1378	
37 🔺	Male Coned Adaptor	446-630000	3
38	P.V.C. Covered Strap and Buckle	124-108900	3 2 4 1 3
39 🛆	Skt Hd Capscrews	404-750424	4
40	Hydraulic Tank Cover (See E5)	555-1357	1
41	Spacers for Ref. No. 32 Control Valve	555-1773	3
42	Pipe Header (Pan)	555-1840	1
43	Pipe Header (Frame) Complete with	555-1841	1
	Hex Hd Bolts	460-350608	1
	Hex Nuts	330-350600	1
	Spring Washers	464-306000	1
44 🔺	Skt Hd Capscrews	404-750532	2
45	Equal Tee	446-311000	1
46	Blanking Bar	555-1368	1
47	Adaptor Male	013-410000	1
48	Pump to Control Valve Hose	555-1895	1

When Ordering Always Quote :-- Machine Nº, Part Nº, Description BQuantity

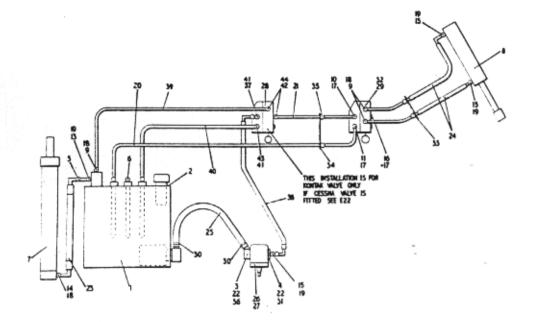




Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
49 50 51 52 53 54 55 56	Port Block Complete with Screws and Seals Bright Steel Tube Bright Steel Tube Bright Steel Tube Bright Steel Tube Bright Steel Tube Bright Steel Tube Valve Cover Plate	480-105015 555-1696 555-1690 555-1693 555-1692 555-1694 555-1695 555-1946	

Winget



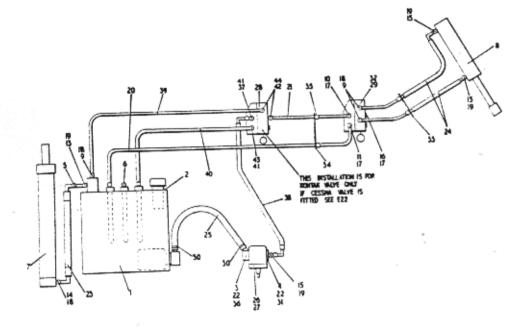


Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
1	Hydraulic Tank Assembly (See E5)	555-1356	
2	Hydraulic Tank Cover Assembly (See E5)	555-1357	1
2 3	Pump Inlet Connector	555-1370	1
4	Pump Outlet Connector	555-1364	1
5	Connection for Flexible Pipe	513-1195	1 1
5 6 7 8 9	Blanking Bar	555-1368	1 1
7	Hopper Ram Assembly complete with Shroud (See E6)	555-1358	1 1
8	Double Acting Ram (See E18)	272-126000	1 . 1
a e	Male Stud Couplings	446-349000	
10 •	Male Stud Couplings	446-612000	3 2 1
11 •	Male Stud Coupling	446-335000	1 1
12	Male Stud Coupling	-	
13 □	Standpipe Adaptor	446-403000	1
14	Male Coned Adaptor	446-614000	
15	Male Coned Adaptor	446-611000	1 2 1
16 0	Brass Collared Plug	360-106000	1 ī
17 *	Bonded Seals	417-806000	
18 *	Bonded Seals	417-804000	4
19 *	Bonded Seals	417-803000	4
20	Bright Steel Tube – Length to suit	-	3 4 2 3 2
20	Bright Steel Tube – Length to suit	_	3
22	O' Rings	391-832000	2
22	Hopper Ram Hose	555-2043	1 i
23	Single Wire Hose Female Straight Female 90°	260-909000	2
25	Oil Resistant Hose (Blue)	260-908010	1 ī
25	Pump (Diesel Machines Only) Complete with	361-132000	2
20	Hex Hd Bolts	460-350410	4
	Binx Nuts	330-360400	4
27	Pump (Electric Machines Only) Complete with	361-133000	1
21	Hex Hd Bolts	460-350410	4
	Binx Nuts	330-360400	4
	Dink Nob		

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POWER DOOR

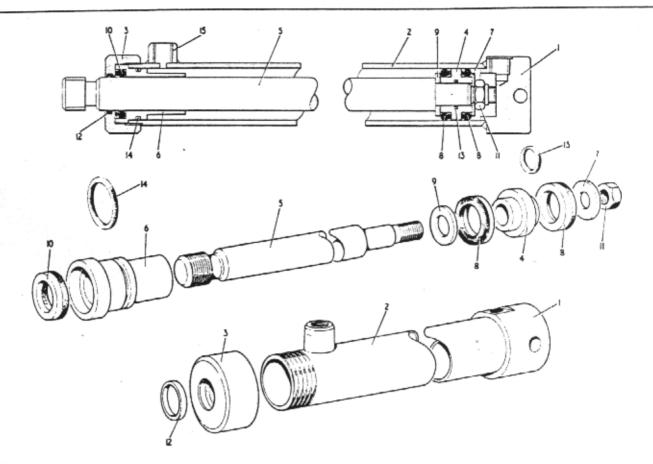
El6 Winget



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	۵ty
*28	Control Valve Complete with	451-431000	1
20	Hex Hd Setscrews	418-250620	3
	Hex Nuts	330-350600	3 3 3 1 3 3 2 2 3 1 1 1 1 1 2 1
	Spring Washers	464-306000	3
29	Control Valve complete with	451-435000	1
20	Hex Hd Setscrews	418-250626	3
	Hex Nuts	330-350600	3
	Spring Washers	464-306000	3
30	Hose Clamps	143-703000	2
31 △	Skt Hd Capscrews	404-750516	2
32	Spacers for Ref. No. 29 Control Valve	555-1773	3
33	Pipe Header (Pan)	555-1840	1
34	Pipe Header (Frame) Complete with	555-1841	1
	Hex Hd Bolts	460-350608	1
	Hex Nuts	330-350600	1
	Spring Washers	464-306000	1
35	Bulkhead Connection	446-488000	1
36 △	Skt Hd Capscrews	404-750532	2
*37	Adaptor Male	013-410000	1
38	Pump to Control Valve Hose	555-1895	
39	Bright Steel Tube	555-1690	1
40	Bright Steel Tube	555-1696	1 1 2 2 1
*41	Bonded Seals	417-806000	2
*42 🜒	Male Stud Couplings	446-349000	2
*43 🜒	Male Stud Coupling	446-335000	
*44 🗮	Bonded Seals	417-804000	2
	Items marked thus * are for 'Kontak' Control Valve only		

POWER DOOR

### El8 Winget Spares



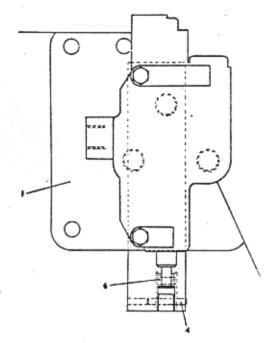
Ref N <sup>o</sup>	Descri	ption	Part N <sup>0</sup>	Qty
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Cylinder Plug Cylinder Tube Cap Piston Head Piston Rod Tube Sleeve Backing Washer (Rear) Piston Seal Backing Washer (Front) Sleeve Seal Locknut Wiper Piston Head 'O' Ring Sleeve 'O' Ring Inlet Boss	3601 3602 3603 3604 3605 3609 3618 3619 3621 3622 3623 3620 3624	272-1261 272-1262 272-1264 272-1265 272-1266 272-1267 272-1268 272-1269 272-12610 272-12611 272-12612 272-12613 272-12613 272-12614 272-12615	1 1 1 1 1 2 1 1 1 1 1

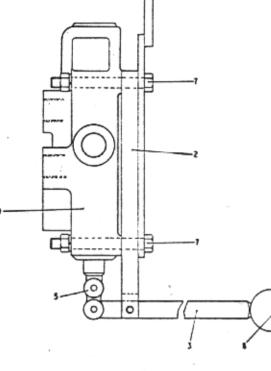
PAN DOOR RAM

EIB

Winget



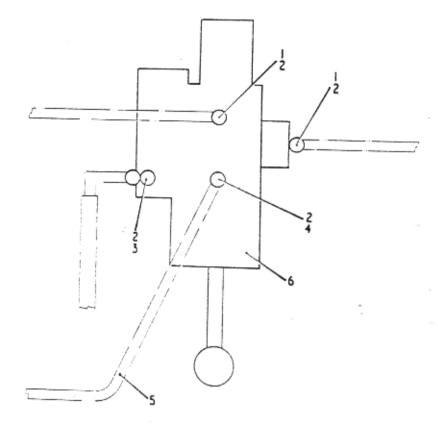




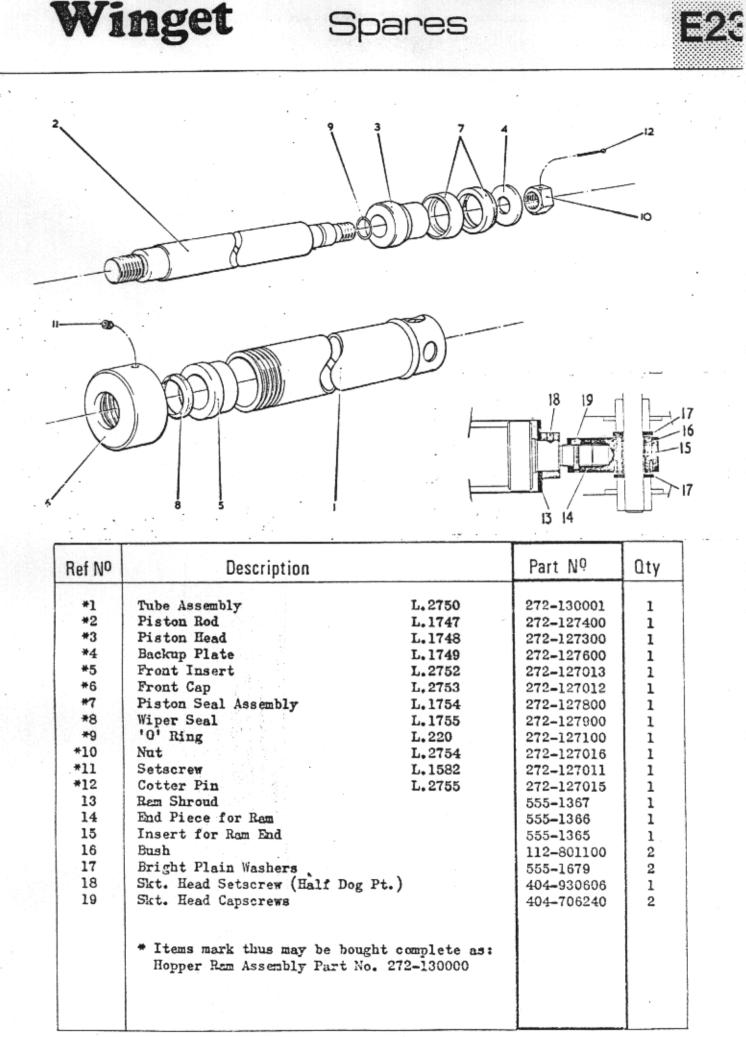
Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
1	Hopper Valve Plate	555-1804	1
2	Lever Pivot	555-2054	1
2 3	Control Valve Operation Lever	555-2055	1
4	Spirol Pin	353-803120	1
5	Spring Connecting Link	310-105000	1
6	Washers	463-303000	As read
7	Hex Hd Bolts complete with	460-350522	2
	Hex Nuts	330-350500	2
	Spring Washers	464-305000	2 2 1
8	Black Knob	307-140000	1
9	Cessna Valve	451-440000	1
	이 이 사람들이 있는 것 같은 것이 있는 것이 같이 있는 것이 없다.		
	김 씨는 일 것 같은 것 같아요. 이 것 이 것 같아요. 이 것 않아요. 이 것 같아요. 이 것 않아요. 이 집 않아요	· · ·	
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When Ordering Always Quote :-- Machine NO Part MD Description & Quantity



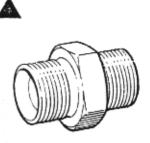


Ref Nº	Description	Part N <sup>0</sup>	Qty
1 🕸 2 🗱 3 4 • 5 6	Parallel Male Stud Couplings Bonded Seals Male Stud Adaptor Parallel Male Stud Coupling Hydraulic Pipe (Cessna Valve to Tank) Cessna Valve complete with (See E21) Hex Hd Bolts Hex Nuts Spring Washers	446-628000 417-803000 446-611000 446-631000 555-2053 451-440000 460-350522 330-350500 464-305000	2 4 1 1 1 1 2 2 2

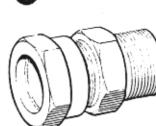


Hopper Ram From M/C No.8201

Winget

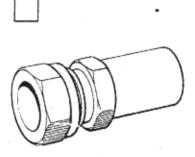


MALE CONE ADAPTOR

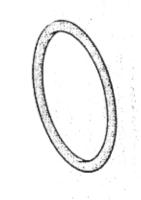


Spares





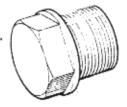
STANDPIPE ADAPTOR

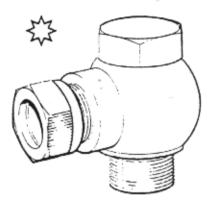


O RING

Case .





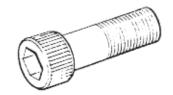


BANJO COUPLING



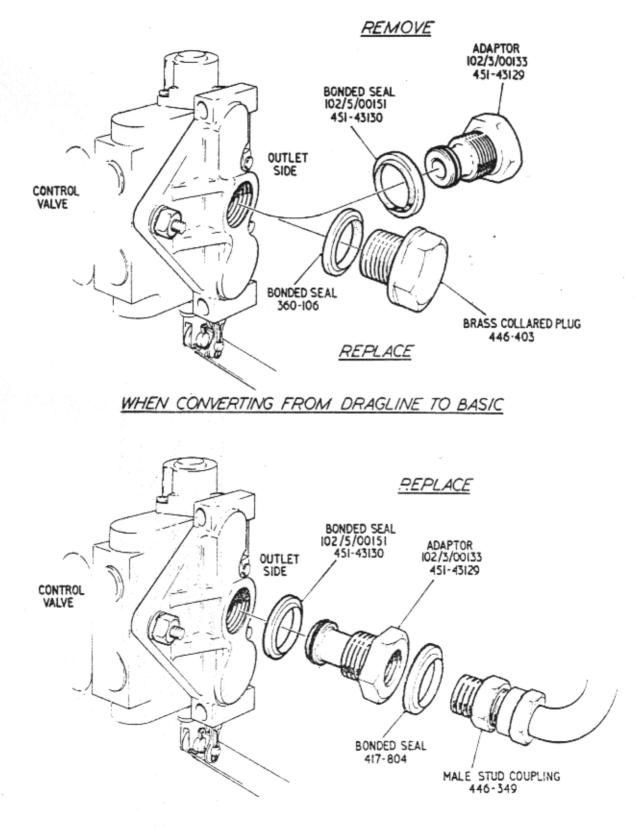
BONDED SEAL





SOCKET HEAD CAPSCREW

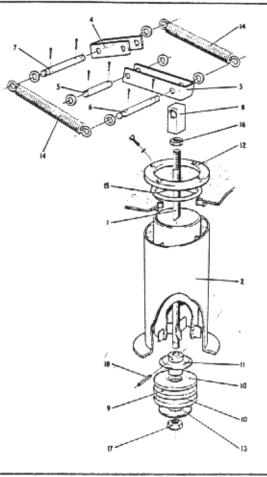
Winget



WHEN CONVERTING FROM BASIC TO DRAGLINE



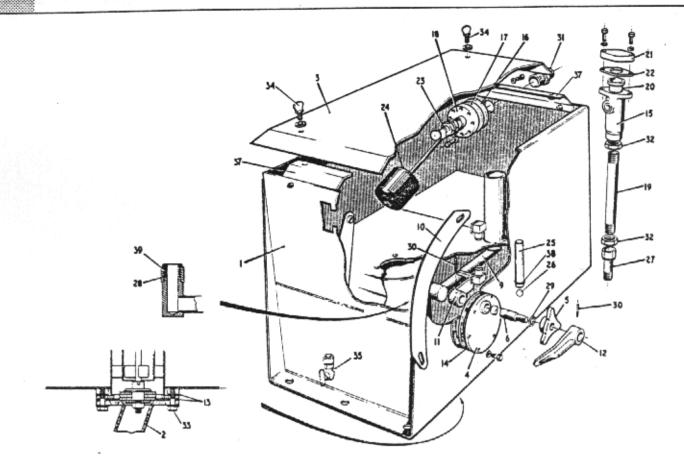




Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	۵ty
1	Valve Control Rod	555-1160	1
2	Syphon Cylinder Assembly	555-1161	1
3	Valve Link	555-1179	1
2 3 4 5	Ram Link	555-1178	1
5 .	Connecting Pin complete with	555-1174	1
	Plain Washers	464-308	2 2 1
	Split Pin	353-30610	2
6	Valve Pivot complete with	555-1173	
	Plain Washer	463-308	2 2 1
	Split Pin	353-30610	2
7	Ram Pivot complete with	555-1172	
	Plain Washer	463-309	2 2
	Split Pin	353-30412	2
8	Valve Rod Boss	555-1175	
9	Centre Plate	555-1165	T
10	Valve Sealing	555-1184	2
11	Valve Backing Plate	555-1177	
12	'O' Ring Flange complete with	555-1164	1
	Hex Hd. Setscrews (Cadmium Plated)	418-3506061	4
	Selon Washers	464-809	4
13	Valve Washer	555-1166	1
14	Tension Spring	420-429	2
15	'O' Ring	391-350	1
16	Locknut	330-2508	1
17	'Binx' Self-Locking Nut	335-7608	1
18	Roll Pin (Cadmium Plated)	353-803241	1
		L	

### WATER TANK MECHANISM





Ref Nº	Description	Part N <sup>o</sup>	۵ty
1	12 Gallon Water Tank complete with	555-1188	1
'	Hex Hd Bolts	460-350808	6
	Hex Nuts	331-8508	6
	Spring Washers	464-308	6
2	Water Outlet Pipe	555-1195	1
2 3 4	Water Tank Cover	555-1159	1
4	Pivot Housing complete with	555-1155	1
	Hex Hd Bolts	460-350508	6
	Selon Washers	464-807	6
5	Handle	555-1158	1 1
6	Pivot Shaft	555-1171	1
5 6 7 8 9		-	-
8		-	- 1
9	Syphon Break Tube	555-1153	1
10	Tank Scale (12 Gallon Tank) Litres 8 Gallons complete with	555-1190	1 2 1 1 2 1
	Hex Hd Setscrews	418-250606	2
	Plain Washers	463-306	2
11	Pivot Lever	555-1156	1
12	Pointer	555-1157	1
13	Rubber Joint	555-1185	2
14	Tank Gasket	555-1186	1
15	Strainer Body	50-29172	1
16	Float Valve Body complete with	614-1273	
	Hex Hd Setscrews	418-350504	2
	Spring Washers	464-305	1 2 2 1
17	Diaphragm	614-1266	
18	Float Valve Cover complete with	614-1278	1
	Hex Hex Bolts	460-50410	8
	Selon Washers	464-304	8
19	Water Supply Pipe	50-28583	
20	. Strainer Element	50-29174	1

WATER TANK

Winget

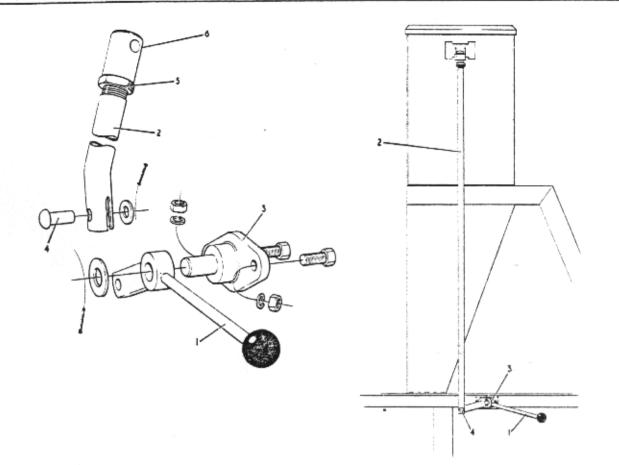
Spares

Ref Nº	Description	Part N <sup>0</sup>	Qty
21	Strainer Body Cap complete with	50-29175	1
	Hex Hd Setscrews	418-350508	2
	Spring Washers	464-305	2
22	Strainer Cap Gasket	50-29177	1
23	Ball Float Valve	451-1081	1
24	Polythene Float	220-302	1
25	Plastic Tube	430-904	1
26	Ball	101-256	1
27	Hose Connection_	130-31212	1
28	'O' Ring 'O' Ring	391-828	1
29	'O' Ring	391-825	1
30	Taper Pin	352-10814	2 1 2 4 4 4 4 4
31	Reducing Nipple	245-40806	1
32	Backnut	240-106	2
33	Hex Hd Bolts complete with	460-50714	4
	Selon Washers	464-809	4
34	Thumbscrew complete with	407-310506	4
	Plain Washers	463-305	4
35	Draincock	140-802	1
36	Water Tank Stowage Bracket complete with	555-1673	1 2 4 4 4
	Hex Hd Bolts	460-50626	4
	Hex Nuts	331-8506	4
	Spring Washers	464-306	4
	(Not Illustrated)		
37	Water Tank Cover Bracket complete with	555-1867	2
	Hex Hd Bolts	460-50505	4
	Hex Nuts	331-8505	4
	Spring Washers	464-305	4
38	Hose Clamp	143-106	2 4 4 4 1
39	Brass Bush	555-1181	1

WATER TANK

F1C

## F11 Winget Spares



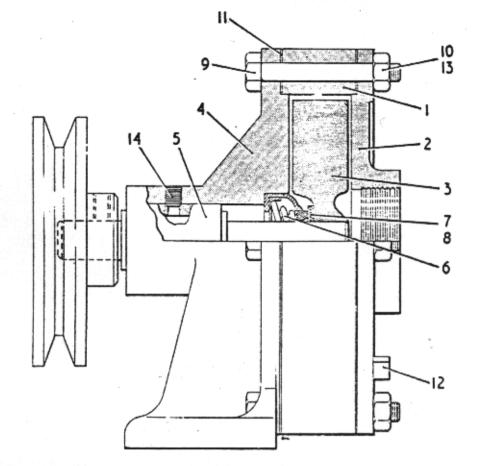
Ref Nº	Description	Part N <sup>0</sup>	Qty
1	Water Control Lever	555-1200	1
2	Tank Operating Rod	555-1205	1
2 3	Control Lever Pivot complete with	555-1199	1
5	Hex Hd Bolts	460-350610	2
1	Hex Nuts	330-3506	2
	Spring Washers	464-306	1 2 2 2
	Plain Washer	463-312	1
	Split Pin	353-30412	1
4	Lever Rod connection Pin complete with	555-1202	1
	Plain Washer	463-305	1
	Split Pin	353-3036	
5 6	Locknut	240-104	
6	End Piece for Tank Operating Rod	555-1702	1
		1	
		1	
		1	1
		1	1

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WATER TANK CONTROLS



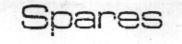




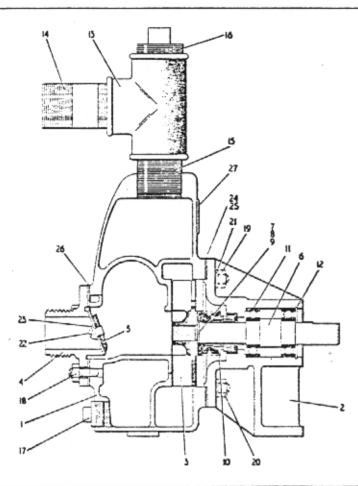
Ref N <sup>o</sup>	Descrip	tion	Part No	Qty
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Seal Seat — Seal Rubber — Hex. Head Bolt — Hex. Nut — Gasket — Plug — Lockwasher —	32-622-052 47-011-023 (Not Illustrated) 34-650-022 (Not Illustrated) on Mk II Pumps		1 1 1 1 1 1 1 4 4 2 2 4 1 1 4

WATER PUMP USED WHEN WATER METER IS FITTED

When Ordering Aluman Quete :-- Machine MO Past Sto Description & Question



F13 Winget

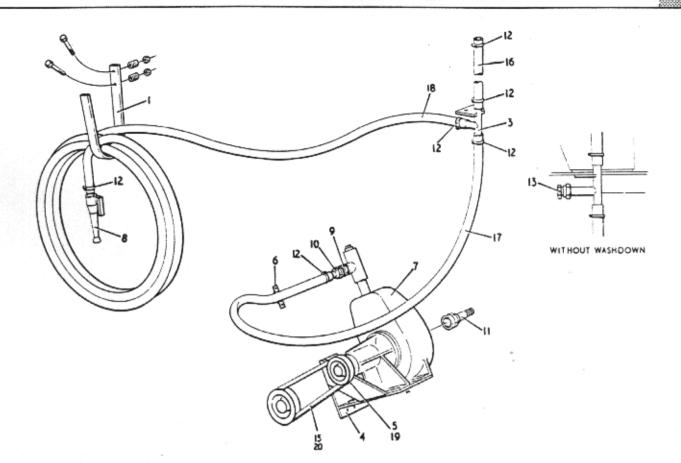


1       Casing - HD 13869         2       Bearing Housing - HD 10471         3       Impeller - HD 15069         4       Suction Flange - HD 15003         5       Valve Weight - HD 10571         6       Shaft - HD 10671         7       Impeller Shim 005" - 1W5         8       Impeller Shim 010" - 1W10         9       Impeller Shim 015" - 1W15         10       Shaft Seal - 5-T106         11       Bearing - 6003 2RS         12       Circlip - 1300 - 35m	365/235/001 365/235/002 365/235/003 365/235/004 365/235/005	1 1 1
<ul> <li>Discharge Tee – 7R - 8T</li> <li>Space Nipple 6W - 8N</li> <li>Close Taper Nipple 19W-8N</li> <li>Priming Plug – 85R - P8</li> <li>Drain Plug 85R - P6</li> <li>Suction Flange Stud 4NC7</li> <li>Casing Stud - 4NC7</li> <li>Casing Stud - 4NC</li> <li>Spring Washer - 4SW</li> <li>Valve Weight Screw - 4NC 2SR</li> <li>Valve Weight Screw - 4NC 2SR</li> <li>Valve Weight Washer - 4W</li> <li>Casing Gasket 1/64 in HD 5569</li> <li>Casing Gasket 1/32 in HD 15669</li> <li>Check Valve Gasket - HD 15469</li> </ul>	365/235/006 365/235/007 365/235/008 365/235/009 365/235/010 365/235/011 365/235/012 365/235/013 365/235/014 365/235/015 365/235/016 365/235/017 365/235/019 365/235/020 365/235/021 365/235/022 365/235/023 365/235/024 365/235/025	1 1 As Req. As Req. 1 1 1 1 1 1 1 3 4 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

WATER PUMP WITH WASHDOWN ONLY

Winget



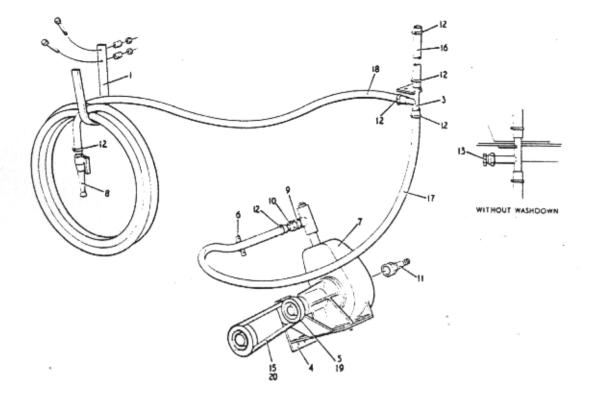


Ref Nº	Description	Part N <sup>0</sup>	Qty
			+
1	Washdown Hose Support complete with	555-1758	1 2 2 2
	Hex Hd Bolt	460-350614	2
1	Hex Nut	330-3506	2
	Spring Washers	464-306	
1	Plain Washers	463-306	As Req.
2	Water Pump Warning Label (Not Illustrated)	555-1776	1
3	Hose Adaptor Pipe complete with	555-1777	1
. 1	Hex Hd Bolt	418-250812	1 1
	Hex Nut	330-3508	1
	Spring Washers	464-308	1
4	Water Pump Mounting complete with	555-1780	1
	Hex Hd Bolts	460-350506	4
1	Binx Nut	330-3605	4
5	Water Pump Pulley	555-1778	1
5 6	Conduit Pipe Clip complete with	133-908	1 4 1 1 2 2
Ŭ	Hex Hd Boits	460-3301004	
	Hex Nuts	330-35210	2
	Spring Washers	464-304	1 4
			1
			1
		1	1
			1

+With Wash Down \*Less Wash Down

WASHDOWN SYSTEM WITHOUT WATER METER





Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
7 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Uescription Water Pump complete with Hex Hd Bolts Binx Nuts Plain Washers Plastic Control Nozzle Reducing Nipple Male/Male Brass Hose Connector Brass Hose Connector Clip Blank End 	Part N4 365-235000 460-350406 330-360400 463-304000 130-352000 245-408060 130-312160 130-316120 132-856000 446-655060 	uty       +       1       4       1

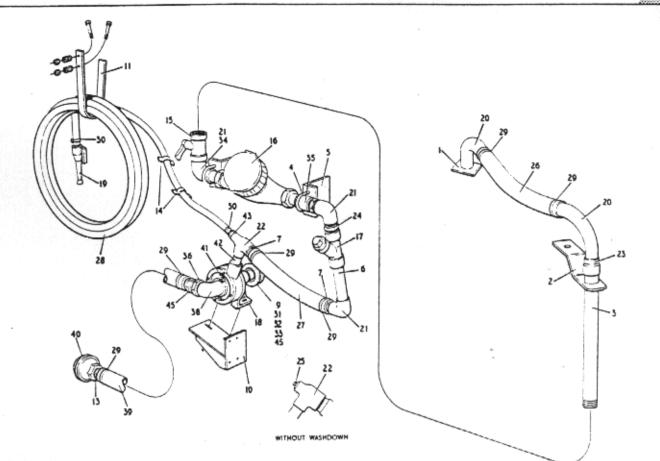
WASHDOWN SYSTEM WITHOUT WATER METER

+With Wash Down

\*Less Wash Down When Ordering Always Quote :--- Machine NO, Part NO, Description BQuantity

Winget

7



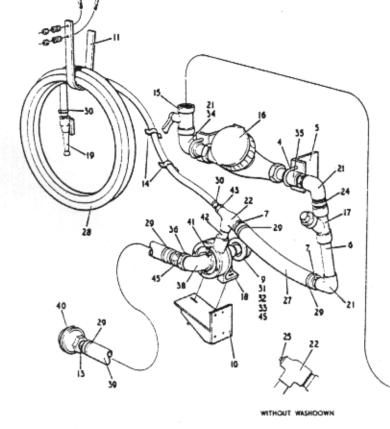
Spares

Ref Nº	Description	Part Nº	۵ty
			• • •
1	Water Pipe Connecting Plate complete with Hex Hd Bolt Hex Nut Spring Washer	555-1763 460-350606 330-3506 464-306	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2	Water Pipe Clip complete with Hex Hd Bolt	555-1767 460-50810	1 1 1 1
	Hex Nut	331-8508	1 1 1
	Spring Washer	464-308 555-1766	
3 4	Water Pipe 'U' Bolt for Flowmeter complete with	555-1765	2 2 3
-	Hex Nuts Spring Washers	330-3506 464-306	4 4 4
5	Flowmeter Mounting Bracket	555-1768	2 2 3
5 6 7	Connecting Pipe	555-1760	1 -
7	Insert for Valve	555-1764	2 - 1
8	Mod to Side Guard-RH Not Illustrated	555-1844	1
9	Water Pump Pulley	555-1762	11.
10	Water Pump Bracket complete with	555-1761	1.
	Hex Hd Bolt	460-350506	4 -
	Binx Nut	330-3605	
11	Washdown Hose Support complete with	555-1758	1
1	Hex Hd Bolt	460-350614	
	Hex Nut	330-3506 464-306	
	Spring Washers Plain Washers	463-306	as
12	Water Pump Warning Label (Not Illustrated)	555-1776	1
12	water runip warning Laber (Not mustrated)	555-1776	
			1

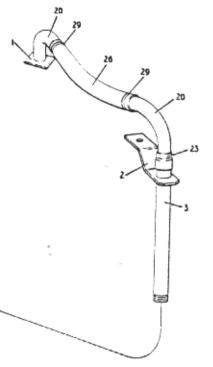
WATER PUMP & WATER METER

Pump Feed only
 Mains Feed only
 Pump Feed & Washdown

When Ordering Always Quote :- Machine NO, Part NO, Description BQuantity



F17 Winget

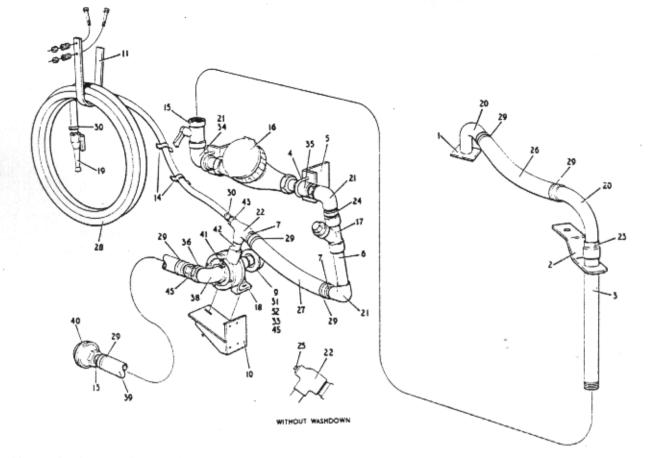


Ref N <sup>0</sup>	Description	Part Nº	Qty
13 14	Hose Connector Conduit Pipe Clip complete with Hex Hd Bolt Hex Nuts Spring Washers	555-1796 133-908 460-3301004 330-35210 464-304	$1 \cdot 1$ - 2 - 4 - 4 - 4 - 4
15 16 17	Valve Flowmeter 'Y' Type Strainer	450-151 202-319 409-255	
18	Water Pump complete with Hex Hd Bolts Binx Nut Plain Washers	365-237 460-350610 330-3606 463-306	1 - 1 2 - 2 2 - 2 2 - 2 2 - 2
19 20 21 22 23 24	Plastic Control Nozzle Bend Elbow Female Reducing Tee Reducing Socket Hex Nipple	130-352 240-210 241-112 242-65408 242-112/10	1 2 2 2 3 2 3 1 - 1 1 1 1
25 26 27 28	Plug Hose 356mm 14" Long Hose 356mm 18" Long Water Delivery Hose 20' - 0" Long	243-912 241-704 260-91214 260-91218 260-906240	2 2 2 1 · · 1 1 1 1 - 1 · · 1

WATER PUMP & WATER METER

Winget

**F17** 



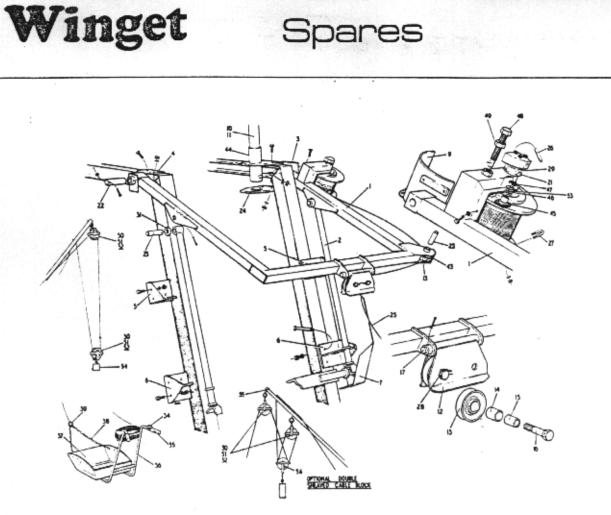
Spares

Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Clip Clip V Belt (Diesel Machines Only) V Belt (Electric Machines Only) Cone PT. Skt. Setscrews Running Nipple Socket Hex Nipple Brass Hose Connector Male/Female Elbow Hose 3048mm 10' - 0'' Long Foot Valve & Strainer Straight Brass Drain Tep (Taper Thread) Barrel Nipple Straight Brass Male Hose Connector Control Side Cover (Not Illustrated) V-Belt (Used when Dynamo is fitted) V-Belt (Used when Dynamo is fitted)	143-108 132-856 397-229000 397-230000 403-560406 241-512 241-912 241-912 241-510 130-32020 240-710 260-912120 409-256 440-10101 245-308 130-20401 555-1845 397-238000	<ul> <li>          • • • • • • • • • • • • • • •</li></ul>

WATER PUMP & WATER METER

- Pump Feed only
  Mains Feed only
  Pump Feed & Washdown

When Ordering Always Quote :- Machine Nº, Part Nº, Description BQuantity



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
1	Assembly of Hydraulic Winch Mounting Bracket & Dragline Jig	555-1224	1
2	Jib Strut	555-1211	2
3	Jib Pivot Bracket (Engine Side) Complete with	555-1212	1
	Csk Hd Screws	400-150810	1
	Hex Nuts	330-350800	1
	Spring Washers	464-308000	1
4	Jib Pivot Bracket (Control Side) complete with	555-1213	1
	Hex Hd Bolts	460-350810	2 1 3 3
	Csk Hd Screws	400-150810	1 1
	Hex Nuts	330-350800	3
	Spring Washers	464-308000	
5	Upper Stop Bracket complete with	555-1209	1RH 1 LH
	Hex Hd Bolts	460-350828	4
	Hex Nuts	330-350800	4
	Spring Washers	464-308000	4
6	Lower Stop Bracket complete with	555-1210	4 2 4 4
	Hex Hd Bolts	460-350828	4
	Hex Nuts	330-350800	4
	Spring Washers	464-308000	4
7	Guard complete with	555-1208	1RH 1 LH
	Hex Hd Bolts	460-350606	8
	Hex Nut	330-350600	8
	Spring Washers	464-306000	8
-8 9	-	-	- 1
9	Rope Guard complete with	555-1228	1
	Hex Hd.Setscrews	418-250505	4
	Spring Washers	464-305000	4
10	Cable Mast Support complete with	555-1215	1
	Hex Hd Bolt	460-350824	1
	Hex Nut	330-350800	1
	Spring Washer	464-308000	1
11	Cable Support (Top End)	515-1344	1 1

C

DRAGLINE

Gí

#### When Ordering Always Quote :- Machine Nº, Part Nº, Description & Quantity

### G1 Winget

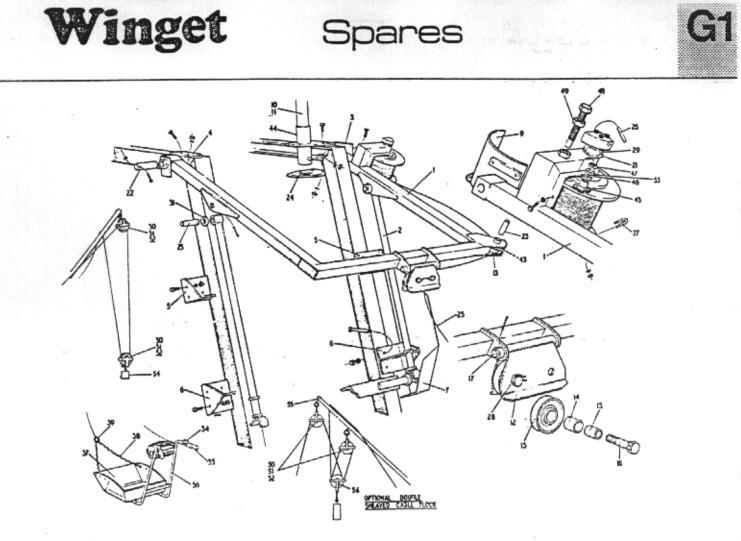
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Spares

Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
12	Pulley Bracket	555-1214	1
13	Side Pulley	879-1195	
14	Glacier Bush	879-1200	3 2 2 2 1
15	Pulley Sleeve	555-1219	2
16	Special Bolt	555-1222	2
17	Pulley Bracket Pivot Pin complete with	555-1220	ī
	Solit Pins	353-306200	1
18		-	
19	<u> </u>		-
20			_
21	Tab Washer	555-1232	1
22	Jib Pivot Pin complete with	555-1231	2
~~	Hex Hd Bolts	460-350416	2
	Hex Binx Nuts	330-360400	2
23	Pin complete with	555-1221	1 2 2 2 3 3 1 2 2 2
20	Solit Pins	353-306200	2
24	Cable Mast Steady complete with	555-1218	1
64	Hex Hd Bolts	460-350810	2
	Hex Nuts	330-350800	2
	Spring Washers	464-308000	2
25	Steel Wire Tope 75' 0'' (22.86 metres)	477-502000	1 length
26	Parallel Key (Radius Ends)	304-213210	1 1 1
27	Bull Dog Grip (Less Saddle) complete with	132-205000	
21	Spring Washers	464-305000	2
28	Steel Locking Wire	477-350000	1 length
29	Backnut	240-112000	1 iength
30	Locknut	330-551000	
31	Bright Plain Washer	463-316000	2
32	Bright Plain Washer		1
32	Bubber Gommet (Not Illustrated)	463-308000	1
34	Press Button Switch	254-847000	1
34		208-866000	2
30	Handle Grips	264-705000	2

DRAGLINE

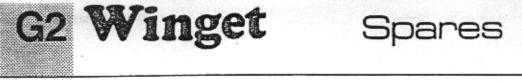
#### When Ordering Always Quote :--- Machine Nº, Part Nº, Description & Quantity

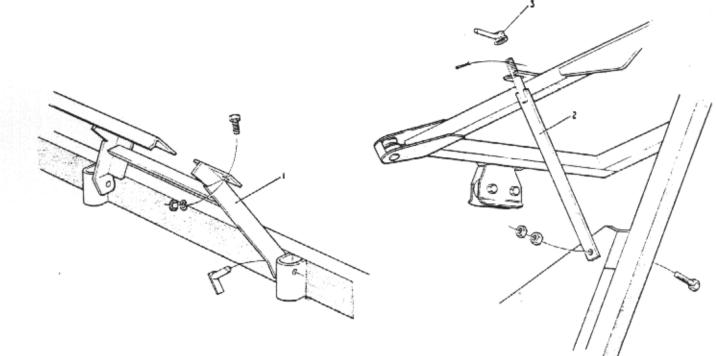


Ref N <sup>o</sup>	Description	Part Nº	۵ty
Ref NU 36 37 38 39 40 41 42 43 44 44 43 44 44 43 44 44 43 44 44 45 46 47 48	Uescription Handle Shovel Body Shovel Chain and Ring Shackle and Pin — — — — — — — — — — — — —	Part N9 264-336000 222-109000 135-902000 353-855000 - - - - - - - - - - - - -	Uty 1 1 1 1 - - 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1
49 50 51 52 53 54 55 56	Hex Locknut Cable Control Block Bracket Cable Control Block Pulley Cable Control Block Spindle Felt Washer Dragline Sheave Weight Mod. to Cable Support Double Sheave Cable Block	330-551000 929/A 930/B 929/B 555-2012 555-2048 555-2051 120-952000	1 2 2 1 1 1

DRAGLINE

When Ordering Always Quote :- Machine NO Part NO Description 8Quantity



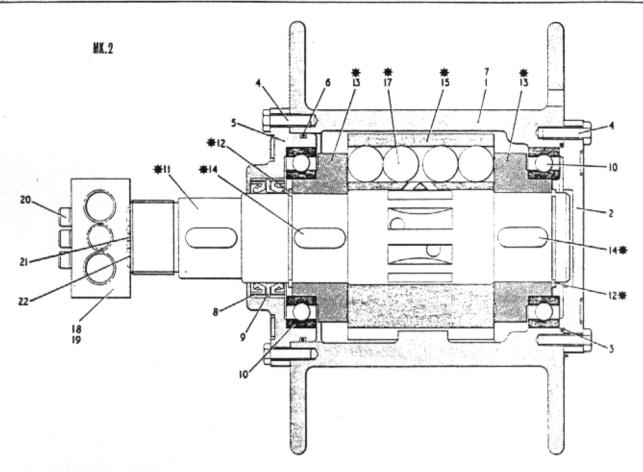


Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
1	Hopper Anti-Bounce Bracket complete with Hex Hd Bolts Hex Nuts	555-1280 460-510120 331-851000	1 2 2 2
2	Spring Washers Tie Bar complete with Hex Hd Boit Hex Nut Locknut	464-310000 555-1281 460-506140 331-850600 330-256000	2 1 1 1 1
3	Split Pin Locking Nut	353-303600 555-1282	1

ANTI-BOUNCE



H3 Winget

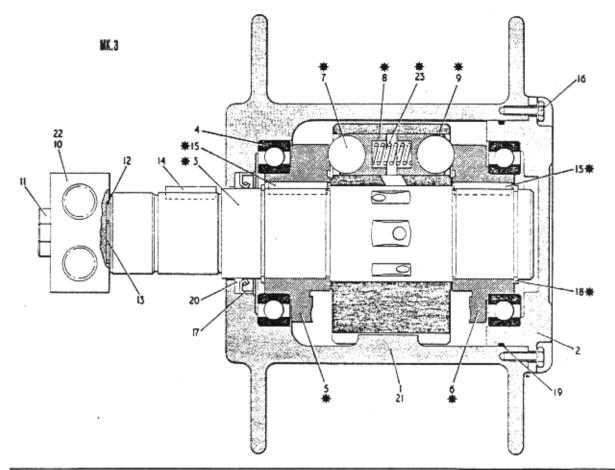


Ref N <sup>o</sup>	Description		Part N <sup>o</sup>	۵ty
1 2 3 4 5 6 7 8 9 10 <b>*</b> 11 <b>*</b> 12 <b>*</b> 13 <b>*</b> 14 <b>*</b> 15 16 <b>*</b> 17 18 19 20 21 22 23	Casing (Winch Only) Drilled to 555-1226 End Plate 'O' Ring Set Screw Bearing Housing 'O' Ring Casing (Hoist Only) Drilled to 555-1819 Oil Seal Back Up Ring Bearing No. 6015 Shaft External Circlip Cam Cam Fixing Key Rotor Steel Ball Connection Block Single Rotation (Winch Only) Connection Block BI Rotational (Hoist Only) Socket Head Cap Screw 'O' Ring 'O' Ring Cartridge Assembly	e involved in the	430-10520 480-105001 480-105002 480-105003 480-105004 480-105005 480-105007 480-105007 480-105009 480-105009 480-105010 480-105011 480-105013 480-105014 480-105015 480-105015 480-105017 480-105018 480-105019 480-105022	$ \begin{array}{c} 1\\ 1\\ 1\\ 1\\ 2\\ 1\\ 2\\ 2\\ 1\\ 36\\ 1\\ 3\\ 1\\ 2\\ 1\\ 2\\ 1 \end{array} $

MARK II HYDRAULIC WINCH AND HOIST MECHANISM





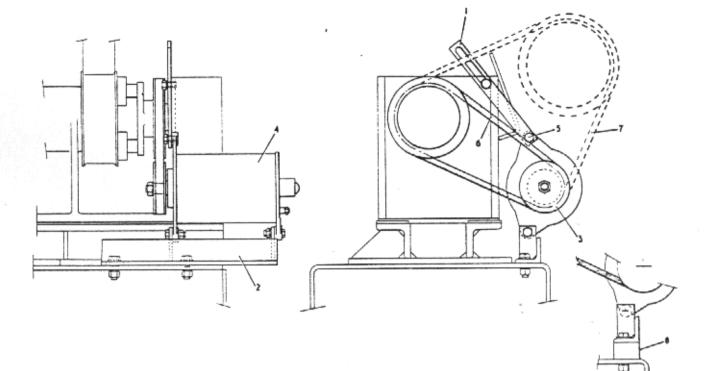


Ref N <sup>o</sup>	Description		Part N <sup>0</sup>	Qty
1 <b>* * * * * * * * * *</b>	Casing (Winch Only) Drilled to 555-1917 Rear Cover Shaft Bearing Cam (Front) Cam (Rear) Ball Piston Rotor Connection Block Single Rotation (Winch Only) Socket Head Cap Screw 'O' Ring 'O' Ring Key Key Hex Head Bolts Rotary Shaft Seal Circlip 'O' Ring Back-Up Ring Casing (Hoist Only) Drilled to 555-1918 Connection Block BI-Rotational (Hoist Only) Anti Cavitation Spring Cartridge Assembly I tems marked thus may only be purchased as a con- assembly Ref. No. 24 owing to the close tolerance mating parts of the motor which precludes them interchangeable.	es involved in the	480-107021 480-107002 480-107002 480-105008 480-107005 480-105014 480-105015 480-105015 480-105015 480-105017 480-105019 480-105018 480-105012 480-105012 480-105012 480-107015 480-107017 480-107017 480-107022 480-107023 480-107023	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

#### MARK III HYDRAULIC WINCH AND HOIST MECHANISM

Winget

**J**2



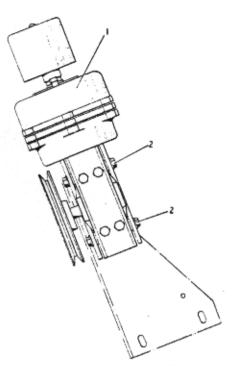
Spares

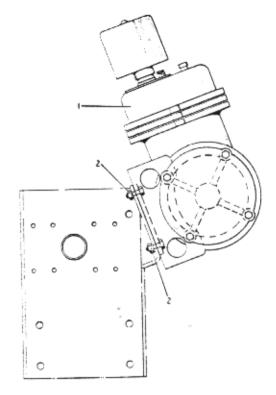
Ref N <sup>0</sup>	Description	Part N <sup>0</sup>	Qty
Ref Nº 1 2 3 4 5 6 7 8	Dynamo Adjuster complete with Hex Hd Setscrew Spring Washer Plain Washer Dynamo Support Hex Hd Bolt Hex Nut Spring Washer Plain Washer Dynamo complete with Hex Hd Bolt Hex Nut Spring Washers Hex Hd Setscrew complete with Spring Washer Vee Belt (With Dynamo only fitted) Vee Belt (With Dynamo & Aerator fitted) Dynamo Packer (Electric Drive Only) complete with Hex Hd Bolts Hex Nuts Spring Washers Plain Washers Plain Washers	Part N9 555-1323 418-350505 464-305 463-305 555-1771 460-350609 330-3506 464-306 463-306 555-1322 205-501 460-350508 330-3505 464-305 330-3505 464-305 397-227 397-238 555-1919 418-250617 330-350600 464-306000 464-306000	Qty 1 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2

DYNAMO DRIVE ASSEMBLY

Winget

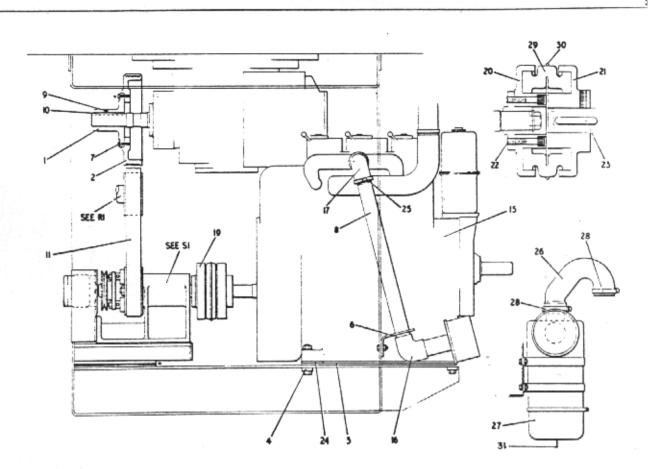






Ref N <sup>o</sup>	Description	Part N <sup>o</sup> Qty
1 2	Compressor Hex Hd Bolts complete with Binx Nuts Plain Washers	136-252 1 418-250506 4 330-3605 4 463-305 4

COMPRESSOR DRIVE-OPTIONAL

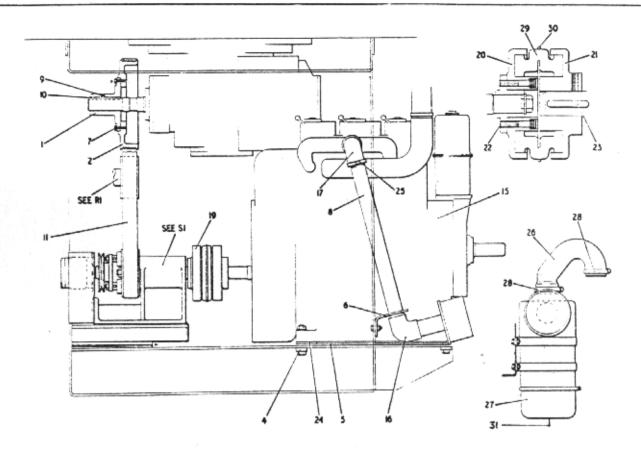


Winget

Ref Nº	Description	Part N <sup>o</sup>	۵ty
1	Drive Flange	555-1607	1
	Drive Pulley	555-1608	1
3		-	- 1
2 3 4 5 6	Engine Bolt Retaining Bar	555-1405	2
5	Engine Packers	555-1856	1 set
6	Exhaust Pipe Clip complete with	555-1429	1
	Hex Hd Bolts	460-350608	2
	Binx Nuts	330-360600	2 2 2 6
	Plain Washers	463-306000	2
7	Special Bolt for Drive Flange complete with	555-1621	· ·
	Locking Wire	477-353000	1 Lgth
8	Exhaust Pipe	555-1428	1
9	Cone Pt. Socket Setscrew	403-560508	1
10	Parallel Key (Round Ends)	304-106240	1
11	Belt	12-414000	1
12	-	-	-
13		-	-
14		-	-
15	Lister SR3 Diesel Engine complete with	1	
1	Hex Hd Bolts (H.T.)	460-350826	4
	Binx Nuts	330-360800	4
	Plain Washers	463-308000	4
16	135° Elbow	240-758000	1
17	Male/Female Elbow	240-712000	1
18	Starting Handle Hook (Not Illustrated) complete with	555-1407	1
	Hex Hd Bolts	460-505080	2
	Hex Nuts	331-850500	2
	Spring Washers	464-305000	2 2 2 1
19	Assembly of Coupling Complete	555-1832	
20	Coupling Half (Bearing Bracket Side)	555-1815	1
21	Coupling Half (Drive Side)	555-2032	1

March 1 All Contraction Request

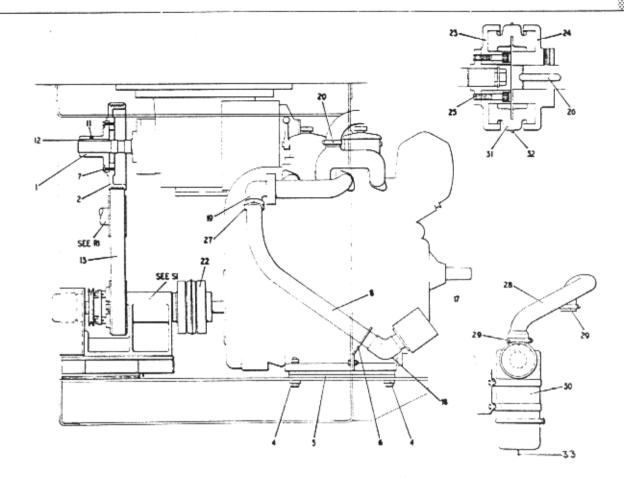




Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	۵ty
22 23 24 25 26 27	Skt. Hd. Capscrew Parallel Key (Round Ends) Engine Packers Backnut Moulded Rubber Iniet Pipe Air Cleaner complete with Hex Hd Bolts Hex Nuts Spring Washers Plain Washers	404-70628 304-106200 555-1866 240-112000 555-1887 220-237000 460-506060 331-850600 464-306000 463-306000	4 1 set 1 1 4 4 4 4 2
28 29 30 31	Clip Rubber Centres Wire Retaining Ring Split Pin	132-103000 147-307002 147-307003 353-304800	2 1 pair 1 1

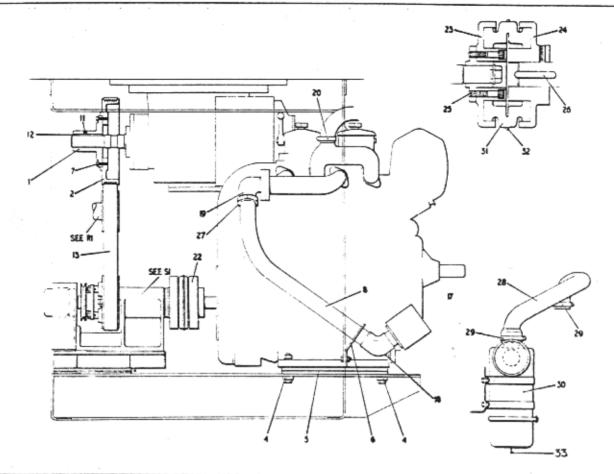






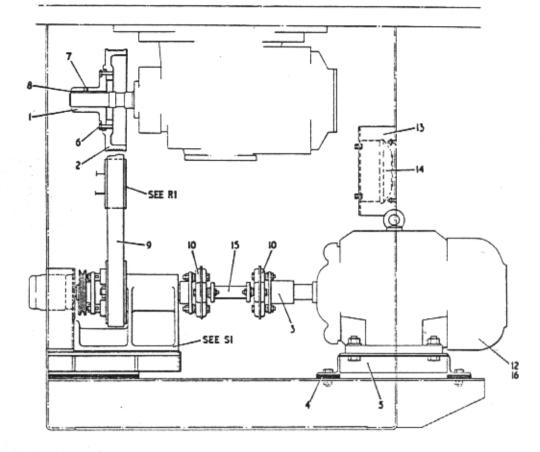
Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
1	Drive Flange	555-1607	1
2	Drive Pulley	555-1608	1
3	-	-	-
4	Engine Bolt Retaining Bar	555-1430	2
5	Engine Packers	555-1441	1 set
6	Exhaust Pipe Clip complete with	555-1440	1 1
-	Hex Hd Bolt	460-350608	2
	Binx Nut	330-360600	2 2 2
	Plain Washers	463-306000	
7	Special Bolts for Drive Flange complete with	555-1621	6
	Locking Wire	477-353000	1 Lgth
8	Exhaust Pipe	565-1439	1
9		-	-
10	— — — — — — — — — — — — — — — — — — —	-	-
11	Cone Pt. Skt. Setscrew	403-560608	1
12	Parallel Key (Round Ends)	304-106240	1
13	Belt	122-414000	1
14	_	~	-
15	-	1 -	
16	<u> </u>	-	
17	Petter P.H.2, Diesel Engine complete with		
	Hex Hd Bolts (H.T.)	460-350826	4
	Binx Nuts	330-360800	4
6	Plain Washers	463-308000	4
18	Equal Socket	241-912000	
19	Maie/Female Equal Elbow	240-712000	1
20	-	-	-
21	Starting Handle Hook (Not Illustrated) complete with	555-1407	1 2 2 2
	Hex Hd Bolts	460-505080	2
	Hex Nuts	331-850500	2
	Spring Washers	464-305000	2





Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
22 23 24 25 26 27 28 29 30 30 31 32 33	Assembly of Coupling Complete Coupling Half (Bearing Bracket Side) Coupling Half (Drive Side) Skt. Hd Capscrew Parallel Key (Round Ends) Backnut Moulded Rubber Inlet Pipe Clip Air Cleaner complete with Hex Hd Bolts Hex Nuts Spring Washers Plain Washers Rubber Centres Wire Retaining Ring Split Pin	555-1832 555-1815 555-2032 404-706280 304-106200 240-112000 555-1892 132-120040 220-229000 460-505050 331-850500 464-305000 463-305000 147-307002 147-307002 353-304800	1 1 4 1 1 2 1 4 4 4 4 4 1 pair 1

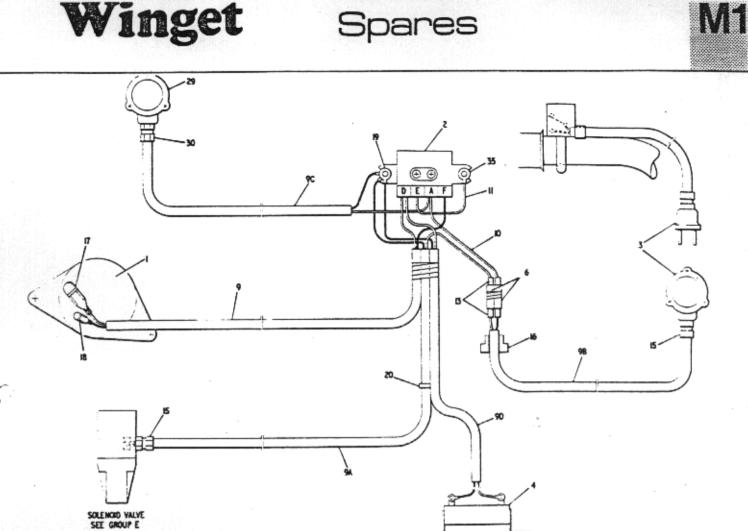
## L13 Winget



Spares

Ref Nº	Description	Part N <sup>0</sup>	۵ty
1	Drive Flange	555-1607	1
2	Driven Pulley	555-1608	1
3	Drive Flange	555-1455	1
4	Motor Mounting Packers	555-1626	1Set
5	Electric Motor Mounting complete with	555-1454	1
	Hex Hd Bolts (H,T)	460-350812	4
	Binx Nuts	330-3608	4
	Plain Washers	463-308	4
6	Special Bolt for Drive Flange complete with	555-1621	6
	Locking Wire	477-353	1 Lengt
7	Cone Pt Socket Setscrew	403-560508	1
8	Parallel Key (Rd Ends)	304-10624	1
9	Belt	122-414	1 1
10	Coupling	130-955	2
11	Cone Pt Skt Setscrew	404-910506	l ī
12	Norco Electric Motor complete with	-	i
1	Hex Hd Bolts (H.T)	460-350818	4
	Binx Nuts	330-3608	4
1	Plain Washers	463-308	4
13	Starter Mounting Bracket complete with	555-1442	
	Csk Hd Screws	400-150608	4
	Hex Nuts	330-3506	4
	Spring Washers	464-306	
14	Starter complete with	208-301500	4 1 4 4 4
	Hex Hd Bolts	460-350406	4
	Hex Nuts	330-3504	4
	Spring Washers	464-304	4
15	Connecting Shaft	555-1426	1
16	Adaptor	555-1877	1 set
17	Transparent Protective Cap	205-626000	2
т,	trensparent trotective cap	203-020000	4
	•	1	

NORCO ELECTRIC



Ref Nº	Description	Part N <sup>0</sup>	Qty
1	Generator	205-402000	1
2	Regulator	383-208000	1 1
3	Plug and Socket	205-323000	1 1
3	Resistor	207-652000	l i
5	_	-	-
5 6 7	Connectors	147-604000	2
7		-	-
é l	그는 그는 사람에 가지 않는 것이 같이 하는 것이 같이 했다.	_	-
8	Twin Core P.V.C. Cable Brown and Blue Inner Cores:-		1
~	2.9 metres long Generator to Regulator	144-747000	1 1
9a	1.5 metres long Solenoid to Earth and Connector	144-747000	1 1
9b	2.13 metres long Connectors to Shovel Socket	144-747000	1 1
9c	1.5 metres long Regulator and Earth to Optional Socket	144-747000	1 1
9d	3.56 metres long Resistor to Regulator	144-747000	1 1
10	Single Core 32/0.20 Red P.V.C. Cable	144-748000	1 1
10	127mm long from Regulator to Connector		
11	Single Core 32/0.20 Green P.V.C. Cable	144-749000	1
	127mm long from Regulator to Earth		
12		-	- 1
13	Nipples	333-354000	4
14	-	-	- 1
15	%in, Brass Cable Gland	250-103000	2
16	% in. Male Brass Bush	131-405000	1
17	Terminal with Insulator	191-917000	1 1
18	Terminal with Insulator	191-918000	1 1
19	Terminal OBA	191-912000	3
20	Clips	132-821000	14
21	Twin Core Cable Red and Black Inner Cores 23 metres long	144-734000	1
29	Plug and Socket	205-323000	1
30	%in. Brass Cable Gland		1
35	Terminal	191-912000	1 1

WIRING DIAGRAM

# Winget

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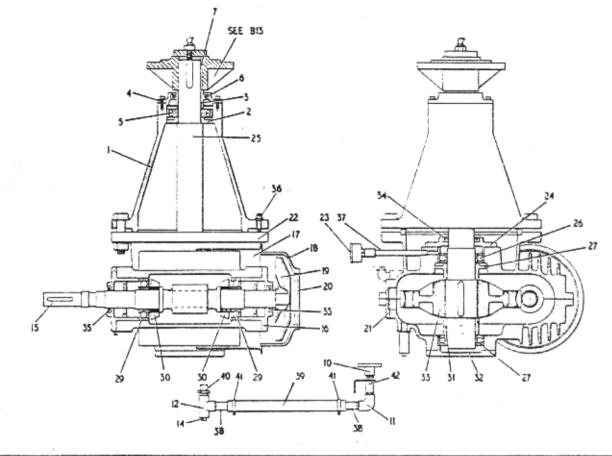
Spares

Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	Qty
1	Reduction Shaft Housing complete with	555-1575	1
	Hex Hd Bright Bolts	460-351428	4
1	Binx Nuts	330-361400	4
	Plain Washers	463-314000	4
2	Short Spacer	512-1035	1
2 3	Long Spacer	555-1595	1
4	Oil Seal Housing complete with	555-1577	1
	Hex Hd Setscrews	418-350607	4
	Spring Washers	464-306000	4
5	Ball Bearing	104-120000	1
6	Oil Seal	417-781000	1
7	Parallel Key (Round Ends)	304-11024B	1
8	는 그 집에 집에 앉아 같은 것이 같이 같이 같이 같이 같이 같이 않는 것이 같이 했다.	-	-
9	은 프로그램 이번 방송을 넣는 것이 같이 있는 것이 같이 많이 있다.	-	-
10	Oil Filler Cap	555-1599	1
11	Elbow	241-106000	1
12	Tee	242-206000	1
13		-	-
14	Plug	241-706000	
15	Wormshaft L.H. (c 37039)	- 254 109027	
16	Wormshaft Open Cover (B 21607)	- 254109006	2
17	Deflector (C 14020)	-	
18	Fan Cowl (C 14019)	- 254109012	
19	Fan (B 7604) 25+117013	3-2410-21	
20	Wire Mesh Guard	-	
21	Inspection Cover (B 37043)	254109024	
22	Gear Case (F 35284)	254109025	
23	No. 6 Grease Stauffer		
24	S.S. Shaft Open Cover (B 14782)	254109005	
25	Slow Speed Shaft (C 37022)	254109026	2
26	S.S. Shaft Ball Bearing (175 ACD) ムフマフシ (7215)	254109018	1 -

WORM REDUCTION UNIT

## N1 Winget

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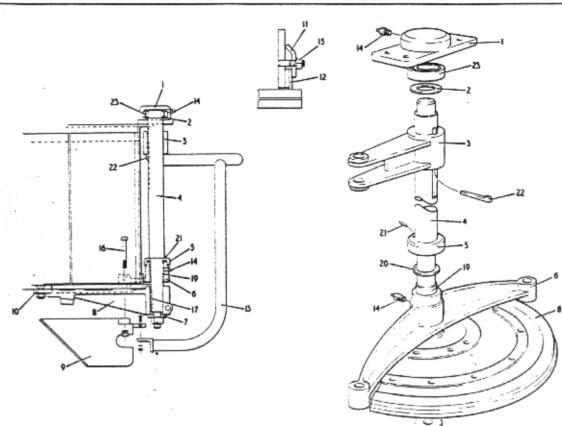


Spares

Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	ûty
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Grease Retaining Plate (B 35283) Narrow Spacer (B 4808) Double Purpose Bearings MS (15 ACD) Oil Flinger (B 4814) Wide Spacer (B 4809) S.S. Shaft Blank (B 32553) Worm Wheel (B 37040) (3 C TEETA) S.S. Shaft (400228) Wormshaft Oil Seal (275124) W 27517550 Studs complete with Hex Nuts Plain Washers Greaser Extension Pipe Extension Piece Clear P.V.C. Tube Equal Hexagon Nipple Clips Filia: Tube complete with Hex Hd Bolts Hex Nuts Spring Washers	$2 \le 410902.0$ $2 \le 410902.0$ $2 \le 4109004$ $2 \le 4109004$ $2 \le 4109023$ $3 = 50500$ $4 \le 305000$ $3 = 5551970$ $4 \le 505060$ $3 = 31-850500$ $4 \le 4-305000$ $4 \le 4-305000$	1 1 2 2 2 1 1 1 1 2 1 2 2 2 1

WORM REDUCTION UNIT

winget Spares



Ref N <sup>o</sup>	Description	Part Nº	Qty
1 1 2 3 4 5 6 7 8 9 10 11 12 13	Bearing Bracket complete with Hex Hd Bright Bolt H.T. Hex Hd Bright Bolt H.T. Binx Nuts Plain Washers Thrust Washer Ram Piston Bracket (Power Door only) Door Operating Shaft Door Operating Shaft Collar Lower Steady for Shaft Washer Discharge Door complete with Hex Hd Bolt Binx Nut Plain Washer Chute Discharge Door Sealing Ring Sealing Strip Clamp Door Sealing Strip Door Guard complete with Hex Hd Bolts Hex Nuts Spring Washers	555-1549 460-350816 460-350814 330-3608 463-308 512-1046 555-1565 555-1551 555-1554 555-1547 460-350828 330-3608 463-308 555-1553 555-1550 512-1041 555-1555 555-1552 460-350810 330-3508 464-308	1 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2

DISCHARGE DOOR (HAND & POWER)

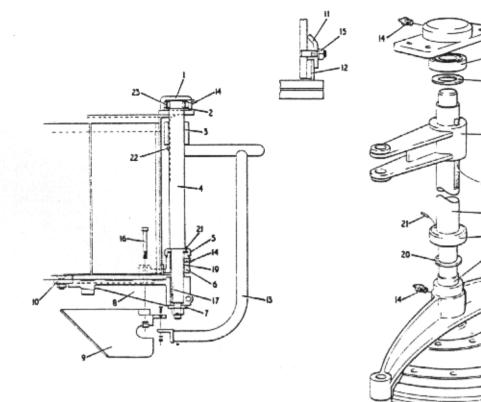
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### Spares

22



Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
Ref Nº 14 15 16 17 18 19 20 21 22 23 24	Straight Nipple Hex Nuts complete with Spring Washers Hex Hd Bolts Bright complete with Binx Nut Plain Washers Parallel Key (Radius Ends) Binx Nut Bush Thrust Washer Hardened Steel Dowel Gib Head Key (Power Door only) Ball Bearing Csk Hd Setscrews complete with Hex Nut Spring Washer	Part N9 241-501 331-8506 464-306 460-351032 330-3610 463-310 304-10622 330-3612 112-8003 464-702 352-1538 300-11626 104-112 400-150810 330-3508 464-308	Qty 2 4 4 2 2 1 1 1 1 1 2 2 2 2

DISCHARGE DOOR (HAND & POWER)

Winget

Spares

**P**2

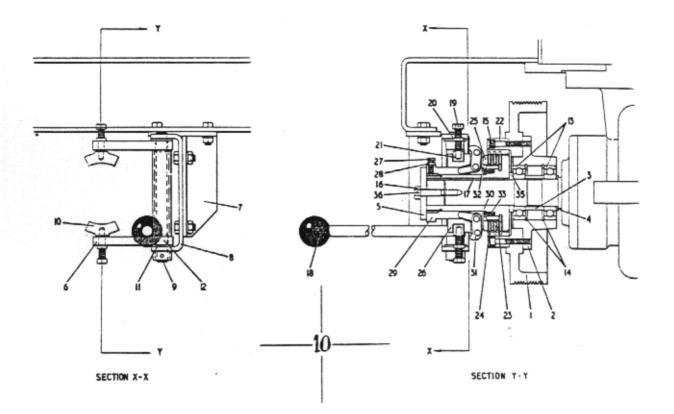
B

Ref Nº	Description	Part Nº	۵ty
1	Ram Cylinder Bracket Pin (Power Door Only) complete with Bright Plainwashers	555-1567 463-312	1 2
	Split Pin	353-30510	2 2 1
2	Ram Piston Retaining Pin (Power Door only) complete with	555-1568	1
	Bright Plainwashers	463-312	221
	Split Pin	353-30510	2
3 4	Endpiece (Power Door only)	555-1566	
4 5	Bevel Pinion (12 Teeth) (Hand Door only)	555-1557	1
5	Pinion Shaft Bracket (Hand Door only) complete with Hex Nuts	555-1559	1
	Spring Washers	330-3508 464-308	4
6	Pinion Shaft (Hand Door only)	555-1562	4 1 2 2 1
6 7	Packer Small (Hand Door only)	555-1564	2
8	Packer Large (Hand Door only)	555-1563	2
9	Manual Door Opening Handle (Hand Door only)	555-1558	
10	Gib Head Key (Hand Door only)	300-20418	1
11	Bush (Hand Door only)	112-837	2
12	Straight Nipple (Hand Door only)	241-501	
13	Gib Head Key (Hand Door only)	300-20414	1
14	Locknut (Power Door only)	331-216	1
	· · · · · · · · · · · · · · · · · · ·		

DISCHARGE DOOR OPERATION (HAND & POWER)







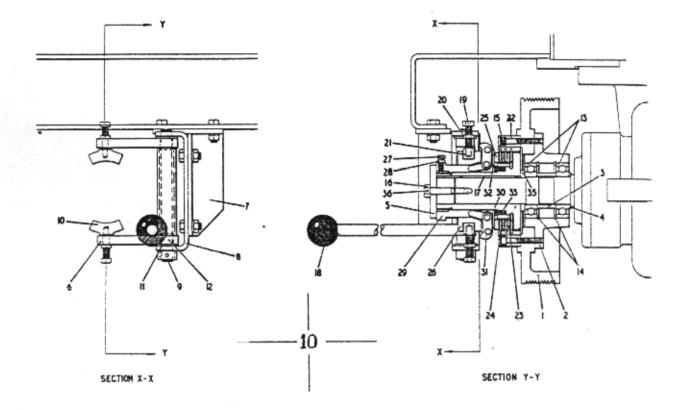
Ref Nº	Description	Part No	Qty
1	Driven Pulley	555-1628	1
2	Clutch Drive Pulley Spigot	555-1629	1
3	Clutch Bearing Spacer	512-1211	1 1
4	Clutch Bearing Packer	512-1210	1
2 3 4 5 6 7	Clutch Shaft Cap	512-1214	1
6	Clutch Operating Arm	555-1630	1
7	Clutch Operating Support Bracket complete with	555-1632	1
	Hex Hd Bolt	460-350608	4
1	Hex Nut	330-3506	4
	Spring Washer	464-306	4
8	Clutch Operating Arm Swivel Bracket	555-1631	1 1
8 9	Clutch Operating Pin complete with	555-1633	1 1
-	Split Pin	353-30512	1
10	Clutch Assembly	130-930	1
11	Bright Plain Washers	463-310	2
12	Bush	114-622	2 2 2 6 2
13	Ball Bearing	109-44001	2
14	Circlip	142-319	2
15	Skt Hd Capscrew	404-750532	6
16	Retaining Bolt complete with	555-1848	2
	Spring Washer	464-306	1
17	Parallel Key (Rd Ends)	304-10624	1
18	Plastic Knob	307-120	1
19	Tappet Screws - 3269	130-930012	2
20	Tappet Nuts - 3508	130-93002)2	2 2 2 1 2
21	Tappet Brasses - 20187	130-93000 3	2
22	External – 21644	130-930044	1
23	Spacer Plates - 5673	130-93006 5	2
		CLUTCH	

CLUTCH

Winget

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Spares



Ref Nº	Description	Part N <sup>o</sup>	Qty
24 25 26 27 28 29 30 31 32 33 34 35 36	Sintred Discs – 3021 Front Plate – 21645 Sleeve – 22569 Locking Screws – 3261 Locking Nuts – 3507 Adjusting Bush – 20033 Centre – 21641 Lip Link Toggle Assembly – 5312 Pressure Plate – 3177 Springs – 4045 Pins – 3239 (Not Illustrated) Washer for Clutch Bearing Locking Wire	130-9306 130-93097 130-93099 130-93099 130-93010 130-93012 130-93013 130-93014 130-93016 512-1119 477-353	3 1 2 2 1 3 2 1 5" Length

CLUTCH

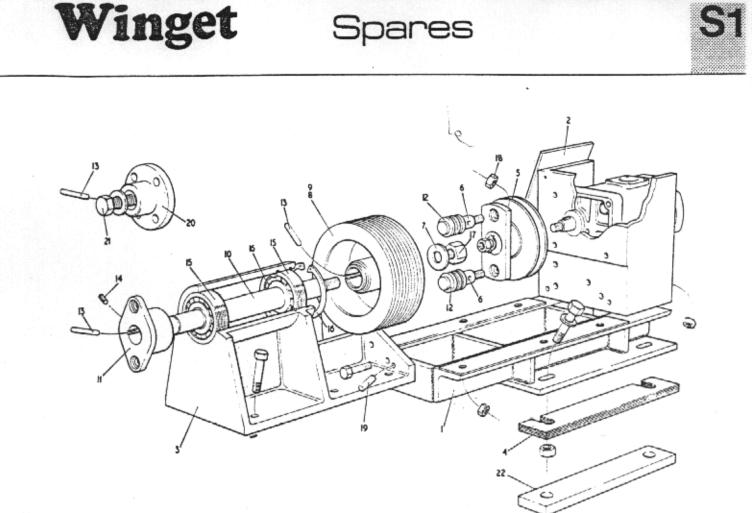
Winget Spares 24 Bat okie, 122414000 6 6 

Ref Nº	Description	Part N <sup>0</sup>	Qty
1 2 3 4 5 6 7 8 9 10 11	Pivot Shaft Bracket complete with Hex Hd Bolt Hex Nut Spring Washer Plain Washer Washer for Jockey Pulley Bracket Adjusting Screw Pivot Shaft for Jockey Pulley Jockey Pulley Binx Nut Hex Locknut Hex Nut Internal Circlip External Circlip Ball Bearing	555-1611 460-350812 330-3508 464-308 463-308 555-1615 555-1615 555-1620 555-1614 555-1609 330-3612 330-258 331-8508 142-322 142-320 109-625	1 3 3 3 1 1 1 1 1 1 2 1 2

JOCKEY PULLEY

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C-Ba

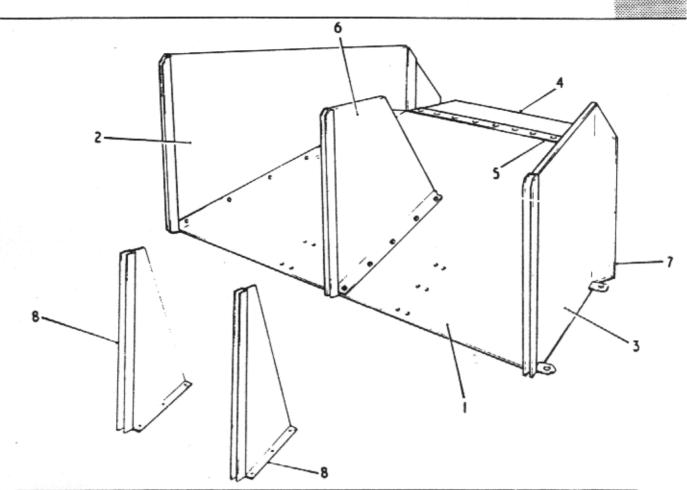


Ref N <sup>o</sup>	Description	Part N <sup>o</sup>	Qty
1	Drive Bearing Support complete with	555-1685	1
	Hex Hd Bolts (Lister & Petter Drive only)	460-350811	4
	Hex Hd Bolts (Electric Drive only)	460-350814	4
	Binx Nuts	330-3608	4
	Plain Washers	463-308	4
2	Pump Mounting Bracket complete with	555-1686	1 1
	Hex Hd Bolts	460-350711	4
	Binx Nuts	330-3607	4
3	Drive Bearing Bracket complete with	555-1684	1
-	Hex Hd Bolt	460-350713	6
	Binx Nut	330-3607	6
4	Drive Bearing Support Packers (Electric Drive only)	555-1687	1 Set
5	Pump Pulley	555-1416	1
5 6	Coupling Pin	555-1616	2
7	Washer for Drive Shaft	555-1617	1
8	Drive Pulley (Diesel)	555-1622	1
9	Drive Pulley (Electric)	555-1625 -	1
10	Drive Shaft	555-1612	1
11	Drive Shaft Flange (Electric Drive only)	555-1613	1
12	Coupling Rings	137-355	6
13	Parallel Key (Rd Ends)	304-10512	6 2 1
14	Cone Pt Setscrew (Electric Drive only)	404-910510	1
15	Ball Bearing	102-93001	2
16	Circlip	142-310	221
17	Binx Nut	330-3610	1
18	Binx Nut	330-3607	2
19	Parallel Dowel Pin	352-1628	2 2 1
20	Drive Shaft Flange (Lister & Petter Drives only)	555-1813	
21	Hex. Hd Setbolt complete with (Lister & Petter Drives only)	418-251008	1
	Plain Washers	463-310	1
22	Drive Bearing Support Bar	555-1916	2

DRIVE BEARING BRACKET & PUMP MOUNTING





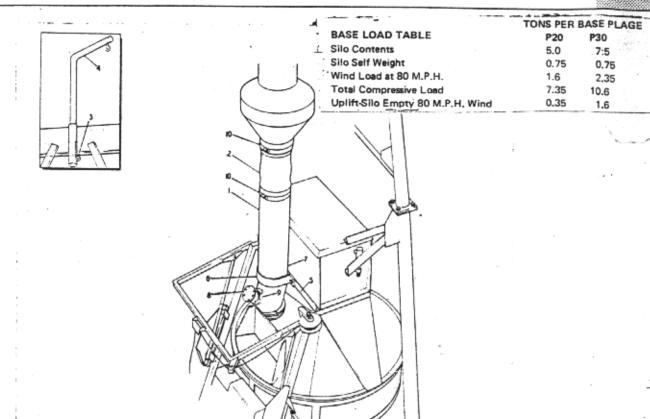


Ref N <sup>0</sup>	Description	Part N <sup>Q</sup>	Qty
.	Bottom Ramp Plate	555-1963-1	
2	R.H. Side Plate complete with	555-1963-2-4-10	
~	Hex Hd Bolts	460-350808	1
	Hex Nuts	330-350800	6
	Spring Washers	464-308000	6 6
3	L.H. Side Plate complete with	555-1963-3-4-10	1
Ŭ	Hex Hd Bolts	460-350808	
	Hex Nuts	330-350800	6
	Spring Washers	464-308000	6
4	Rubber Flap complete with	555-1963-12	6 6 1
	Csk Hd Bolts	400-250612	10
1	Nuts	331-8506	10
1	Spring Washers	464-306	10
5	Rubber Retaining Strap	555-1963-15	1
6	Centre Partition Two Compartments complete with	555-1963-4-6-7-11	1
	Hex Hd Bolts	460-350808	10
	Hex Nuts	330-350800	10
	Spring Washers	464 308000	10
7	Centre Support Angle complete with	555-1963-8-9	1
	Hex Hd Bolts	460-350808	8
	Hex Nuts	330-350800	8
	Spring Washers	464-308000	8
8	Dividers for Three Compartments complete with	555-1048	1 LH
			1 R H
	Hex Hd Bolts	460-350808	12
	Hex Nuts	330-350800	12
	Spring Washers	464-308000	12
			1

#### DRAGLINE LOADING RAMP







Ref N <sup>o</sup>	Description	Part N <sup>0</sup>	۵ty
1	Cement Chute complete with	555-1748	1
	Hex Hd Bolts	460-50610	6
	Hex Nuts	331-850600	6
	Spring Washers	464-306000	6 6 1
2	Silo Batcher Sock	555-2049	1
2 3	Support Bracket to Pedestal	555-1741	1
4	Cable Support	50-44259	1
. 5	Support Angle for Cement Chute complete with	555-1749	1
	Hex Hd Bolts	460-50812	1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 2 1 1 2 2 2 2 1 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 2 1 2
	Hex Nuts	331-850800	2
	Spring Washers	464-308000	2
6	Strap For Cement Chute complete with	555-1750	1
	Hex Hd Bolts	460-50810	2
	Hex Nuts	331-850800	2
	Spring Washers	464-308000	2
7 	Rubber Pad for Cement	555-1751	1
	CSK Hd Setscrews	400-554080	2
	Binx Nuts	335-760400	2
	Plain Washers	464-304000	2
	Cover for Cement Chute complete with	555-1752	
	Hex Hd Setscrews	418-350606	0
9	Spring Washer	464-306000	6 6 1
10	Cement Chute Flange Gasket Clip	555-1545	2
11	Foundation Bolts (not illustrated)	555-1746	16
	Foundation Boits (not mustrated)	555-1746	10
			1
			1

S.83 May, 1973

**7P MIXER WITH PORTASILO** 

### 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