

**REAR LOADING COMPACTOR**

# ***MICRO***

## **USE AND MAINTENANCE MANUAL**

**NOVEMBER 2004  
REVISION- 02**



**Farid Industrie spa**  
ITALY



**COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001**



**ATTENTION**

**Do not use the machine before reading this manual.**

Most of accidents occurring during work are due to the non-compliance with simple safety rules or basic precautions. For this reason, many accidents can be avoided knowing the causes and preliminarily taking the necessary steps.

Please specify the data regarding your equipment in order to improve the quality of our After-sale Service

<b>FARID Industrie S.p.A.</b> Sede Via Moncalieri Frazione Tetti Caglieri 10048 VINOVO ( TO ) Phone 011/9624381 – 9624382 Fax 011/6400409	
<b><u>EQUIPMENT</u></b>	
EQUIPMENT TYPE	MICRO ..
PUNCHING NO.	FARID 0044 / 00...
<b><u>VEHICLE</u></b>	
VEHICLE TYPE	.....
CHASSIS NO.	.....
<b><u>PUMP UNIT</u></b>	0206000....
PTO ( CODE 0418000.... ) – KIT PTO ( CODE 0418000.... )	
PUMP ( CODE 0402000.... )	



**ATTENTION**

**CAREFULLY READ THIS MANUAL BEFORE STARTING,  
USING, PERFORMING MAINTENANCE OR OTHER  
OPERATIONS ON THIS MACHINE.**

Publication No.: 01:

JOB ORDER:

V.....

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## **ATTENTION**

**IN ADDITION TO THIS MANUAL  
INSTRUCTION MANUALS ARE DELIVERED FOR ALL EQUIPMENTS  
NOT DIRECTLY MANUFACTURED BY FARID, SUCH AS PLC,  
LUBRICATION SYSTEMS, RADIO EQUIPMENT, WEIGHING SYSTEMS**

**01 – SAFETY REGULATIONS**

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## 01 – SAFETY RULES



In addition to the specific SAFETY RULES, the manual contains this label to draw your attention to the safety points. Its meaning is the following:

**CAUTION! BE CAREFUL! IT INVOLVES BOTH YOUR AND THIRD PARTY'S SAFETY**

### GENERAL

Carefully read this MANUAL before starting, using and performing maintenance or whatsoever on equipment.

- **Never allow** unauthorized people to perform any operation on the equipment .

- **Read and comply with** the safety rules and labels applied on machines before carrying out any operation.

- **Do not wear** rings, watches, necklaces, unlaced clothes, and unbuttoned jackets, which may get entangled in the moving parts.

- People with long hair must gather it under a cap, as it might get caught in moving part.

- **Keep the truck cab** and the access platforms clean and free from any foreign matter or trace of oil/grease, mud or snow, to avoid any risk of slip or stumble.

- The driver must have a proper driving license.

- Do not run the equipment if unattended by qualified personnel.

- **Never forget** vehicle key on equipment, when unattended by authorized personnel.

- **Individual protection devices** depends on specific use and weather conditions; operators must follow the indications provided for by their employer.

- **Do not** use edges or pipes of vehicle to access to upper parts. Use proper devices.

- **Do not operate the vehicle** and/or the equipment from a site different from the one prescribed by the Operation and Maintenance Manuals (unless specifically indicated in the manual itself). In case the equipment control direct operation site does not ensure safety operation due to the surrounding environment and/or traffic conditions, use the remote control device.

- **Notify the personnel in charge of maintenance** of every possible operation malfunction regarding either the components or the systems .

- **Do not use controls or flexible pipes as grips** : these components are mobile and do not provide for a stable and safe grip. The involuntarily shifting of a control may provoke the accidental movement of the equipment.

- **Never use the equipment** for purposes other than those it has been designed for.


- **During transport never exceed the overall mass** allowed by cab truck manufacturer.

- **Before leaving the equipment unattended**, always make sure that the engine is turned off, all doors equipped with lock are closed and battery cutout device is in OFF position (batteries OFF) .

- **For parts not manufactured by FARID (e.g. chassis-cab)** carefully **OBSERVE** the usage and maintenance indications contained in the specific manuals supplied by the manufacturer .

- **During transfers**, operators must use the cab. Operators must not use other parts of the vehicle to be transported.

## 01 – SAFETY RULES

	<p style="text-align: center;"><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>■ This symbol notifies the operator of any danger for people, animals or things possibility provoking serious damages or injuries.</li> <li>■ It refers to the compliance with the operation and maintenance rules.</li> <li>■ It highlights dangerous or forbidden working practices and procedures.</li> <li>■ It warns operator on the risk of damaging equipment.</li> </ul> <p>Non-respect of the instructions preceded by this symbol may result in either serious injuries or damages of the equipment.</p>
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## OPERATION

**1)- Before beginning picking-up**, bring the vehicle hydraulic oil to the right temperature; then activate equipment power takeoff and run it for a few minutes, to ensure that equipment oil has reached the right temperature.

**2)- Before turning on the power takeoff**, put the change gear into neutral and operate the parking brake (hand brake). Before turning on the power takeoff, disengage the clutch: press the clutch pedal for at least 2 – 3 seconds, so that the power takeoff gear shaft rests and enables the best clutch.

**3)-** Before starting equipment movement, ensure no person or thing exists within the operating range of moving parts.

**4)- Always have a clear and easy view** on the entire move and working surrounding area. The cabin windshields and the rear-view mirrors must always be efficient and clean.

**5)-** Make sure the bins are in good conditions and not faulty especially as regards to the points hooking the binlifter (bucket-lifting) device and the cover rotation hinges.

**6)- Make sure the bins are properly positioned** with reference to the lifting arms and to the binlifter surface plates before moving the bins. Adjust the binlifter motion to ensure its proper coupling (these adjustments are to be performed by authorized personnel).

**7)- Waste bins** must be safely positioned in the binlifter before beginning the lifting and overturning movement, to prevent their release. Make sure the bin locks (bells) work properly.

**8)- During transfers**, the binlifter system must be retracted to the stowed position and with possible grab arms closed.

**9)- Stand clear and do not** pass directly behind the vehicle when the binlifter is running. Make sure that persons possibly staying in the surroundings are out of the range of the mobile devices and outside the bin handling area.

**10)- Do not load cumbersome items** not contained in the proper bins especially if either fragile or subject to spring back such as glass, wood or sheet, to prevent possible fragments from being thrown towards the rear part of vehicle during the paddle cycle.

**11)- Garbage unloading from the satellite to the receiving vehicle** must be gradual, allowing the receiving vehicle to accommodate and stow the garbage without letting it fall outside.

**12)- During garbage transfer**, take care when moving the satellite vehicle close to the receiving vehicle. Operators must remain within the driver's visual field of view and, if necessary, open the loading and unloading tailgates before moving the two vehicles close to each other.

**13)- During unloading phase**, check stabilizer output sequence (1) is correct, as well as following body overturning (2).

## 01 – SAFETY RULES

**14)- Do not move the vehicle** when the arms of the binlifter assembly are open .

**15)- In case of manual picking-up/load** use only the “human presence” controls.

**16)- During any move of the equipment** make sure emergency stop pushbutton can be immediately operated.

**17)- Daily check** effectiveness of the emergency system (both pushbuttons and buzzer) and **at least weekly** the operation of the equipment emergency stop devices.

**18)- Do not cross obstacles** such as sidewalks, ground unevenness. it is not possible to avoid it, cross the obstacle askew, one wheel at a time and at minimum speed. Remember that the vehicle becomes transversally unstable, when loaded.

**19)- Never exceed equipment maximum carrying capacity** and the vehicle capacity.

**20)- During tip operations**, carefully consider the ground nature and do not move vehicle close to a slope edge, especially if traction is difficult. Remember that the tip surface is strewn with dangerous waste, like metal spikes and glass fragments: take the utmost care when moving and wear suitable shoe.

**21)- Once completed the work**, make sure batteries have been turned OFF using the proper key.

**22)- In case of acoustic emergency signal**, do not turn off the power takeoff and do not move the vehicle.

**23)- Before moving the vehicle** verify that the paddle is in the OFF position inside the body to avoid loosing waste during the travel and binlifter is stowed with closed grab arms.

**24)- During unloading**, ensure that stabilizers are located on a solid ground or safe support.

## 01 – SAFETY RULES

### MAINTENANCE

- **Do not carry out** any operation unless previously authorised.
- **Do not carry out** any support service action on the machine with people staying at the driver's place or near the equipment controls, unless they are qualified operators taking part in the operation.
- **Always lock, using external means,** the equipment mobile structures to be lifted to carry out operations underneath.
- **Do not allow anybody** to pass near or under the lifted equipment, if it is not safely blocked .
- **Do not use binlifter movements** to reach operation positions located on vehicle high positions. Use only ladders or safety scaffoldings.
- **When power takeoff is ON, do not carry out any** operation on the equipment if not prescribed in the Operation and Maintenance booklet.
- **When carrying out checks** with power takeoff in ON position, ask for the assistance of an operator who must visually inspect mechanics and ensure immediate action.
- **Do not smoke or approach with free flames** when checking or topping up the oil of the equipment and/or vehicle, when checking the battery fluid, standing next to inflammable liquids (**it is recommended not to smoke** when carrying out checks of the vehicle/equipment).
- **Do not stay or stop near ropes or chains used for lifting or towing when they are loaded.**
- **Never use your fingers to align holes or loops:** always use suitable centering devices. Remove any sharp edge or burr from replaced parts.
- **When** heavy components are to be lifted or transported, use pulleys and/or lifting devices with appropriate capacity, making sure that the sling is properly made.
- **Use suitable means** to access the areas/parts to be repaired.
- **Follow indications in** Spare parts catalogue, to properly assembly replaced parts.
- **Do not use** petrol, diesel oil or other flammable fluids as cleansers: use commercially authorized solvents instead.
- **When using compressed air for cleaning the components,** wear goggles with side protections.
- **Do not use flames** as a lighting system when performing operations or looking for leakages.
- **When performing external operations,** make sure the ground is even and vehicle is properly blocked. Keep the working area clean and dry.
- **The load lifted by rams** is always dangerous: before performing any operation transfer the weight resting on the cylinders to suitable support means.
- **Never approach** head, body, feet, hands next to binlifters and other mobile parts (for example the paddle).
- **Unscrew the hydraulic oil tank plug with care** to avoid hot oil sprays; **MAKE SURE THE ENGINE IS COLD and top up** with the power takeoff at rest (OFF).
- **Do not lubricate moving components** when running.
- **Never use your hands** to check for any leakages of oil under pressure (the gush of oil under pressure, despite being almost invisible, can penetrate under the skin). **Should it occur, immediately call for medical care.**
- **Discharge the internal pressure** of the circuits before removing caps, plugs or lids.
- **The starting of hydraulic systems for service interventions** must be carried out through the proper controls.
- Before performing electric welding disconnect the + and – battery cables.
- **Comply with the Laws and Standards in force** for the disposal of the exhausted liquids.
- **Liquids must be handled** at room temperature only.
- **Checks and inspections** on the rear section of the ejection plate, on operating pressures and on safety systems must be performed by specialized operators (workshops authorized by FARID).

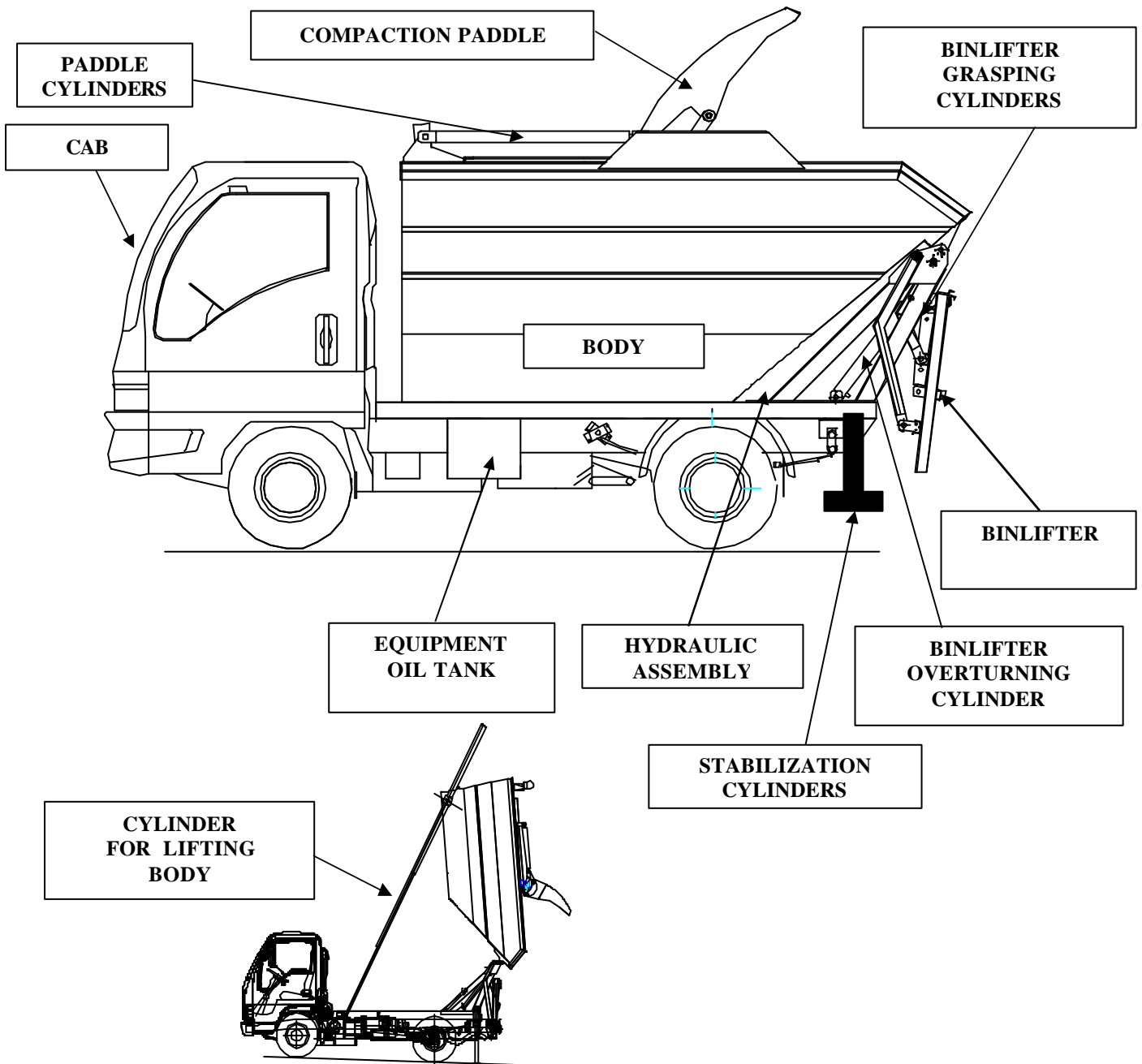


**01 – SAFETY RULES**

**FARID MINI-COMPACTORS**

**TERMINOLOGY (In compliance with EN 1501)**

To ease communications and reading of the instructions contained in this manual we suggest the use of the below-mentioned terminology.

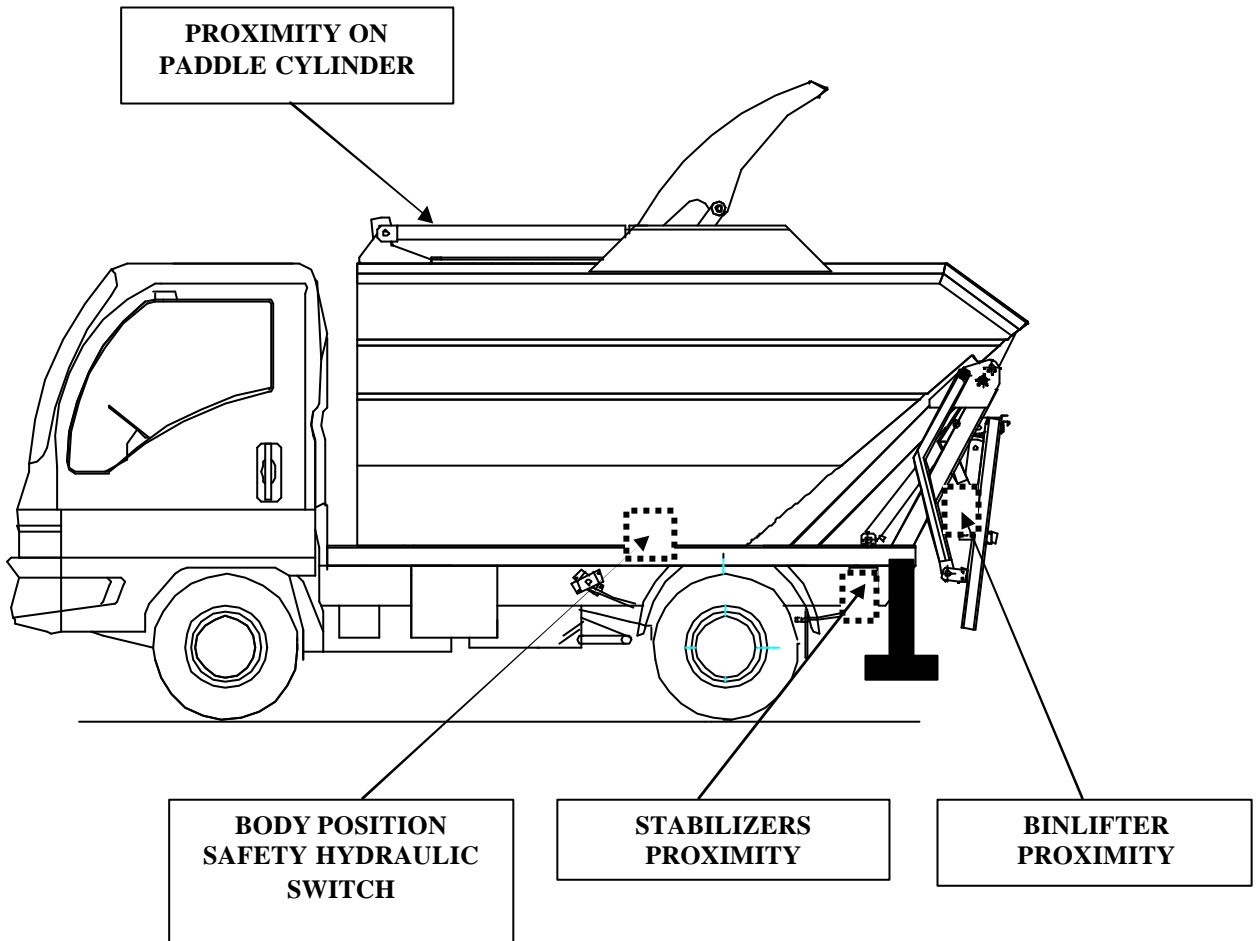


**01 – SAFETY RULES**

**TERMINOLOGY** (In compliance with EN 1501)

To ease communications and reading of the instructions contained in this manual, we suggest the use of the below-mentioned terminology.

**SAFETY DEVICES**



These figures show the location of devices possibly affecting machine safety conditions.  
**ALWAYS ENSURE THAT THESE DEVICES ARE NOT FAULTY.**  
**DO NOT USE THE MACHINE IF THESE DEVICES ARE EITHER**  
**TAMPERED OR DAMAGED.**

**01 – SAFETY RULES**



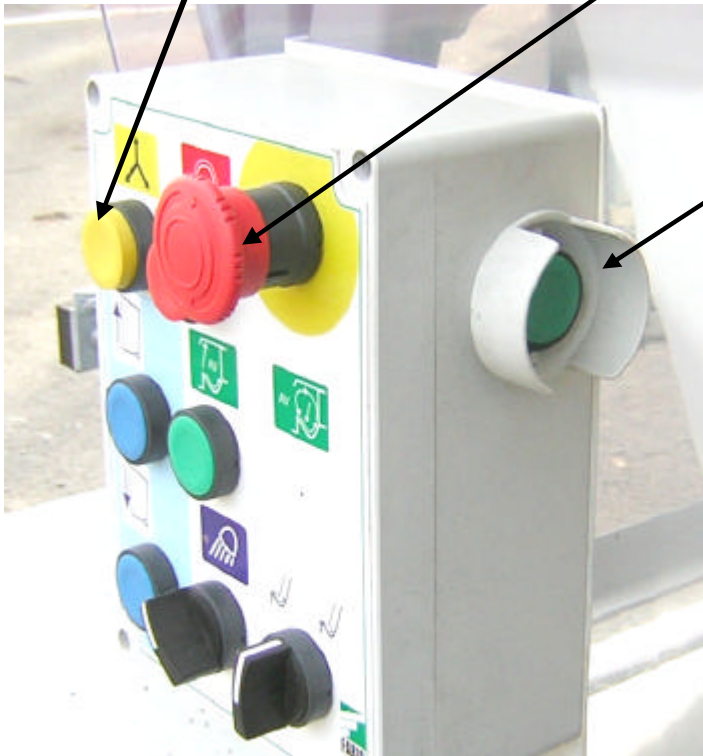
These figures show the location of the devices possibly affecting machine safety conditions.  
**ALWAYS ENSURE THAT THESE DEVICES ARE NOT FAULTY.  
DO NOT USE THE MACHINE IF THESE DEVICES ARE EITHER  
TAMPERED OR DAMAGED.**

**SAFETY PUSHBUTTONS MOUNTED ON LATERAL PUSHBUTTON  
PANEL**

**RESCUE  
YELLOW BUTTON**

**EMERGENCY RED  
BUTTON**

**HUMAN-PRESENCE  
ALLOWED GREEN  
BUTTON**



**NOTES**

- RIGHT/LEFT-HAND SIDE CORRESPONDS WITH REAR VIEW, WHEN LOOKING AT THE RUNNING DIRECTION
- FOR U.K. MARKET, THESE CONTROLS ARE LOCATED ON EQUIPMENT LEFT-HAND SIDE

## 01 - SAFETY PRESCRIPTIONS

### SAFETY PROP

The safety prop must always be used when performing maintenance and cleaning operations under the body.

The safety prop is located on the rear right side of the body, in a specific housing.



**SAFETY PROP  
HOUSING**

**SAFETY PROP  
(ENGAGED)**

**02 – LEVELS / WHAT TO DO IF**

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Levels.....2

What to do if.....3 - 4

## 02 – LEVELS / WHAT TO DO IF

### FOREWORD

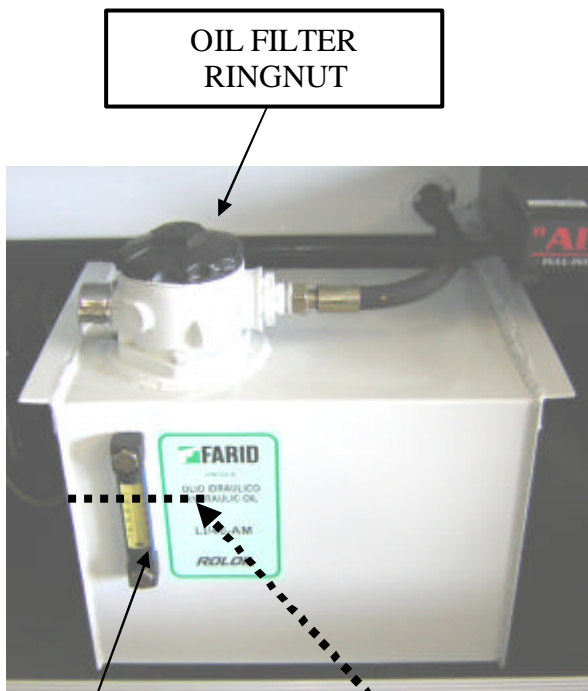
The action of personnel in charge of maintenance is often requested to solve small problems regarding the operation, causing significant machine shutdown troubles.

The following pages provide simple action indications that can be performed directly by users/operators in charge of machines.

### LEVELS

Daily check the equipment oil level.

The oil tank is positioned in the front left-hand side of the equipment, near the vehicle's cab. .



OIL FILTER  
RINGNUT

OIL LEVEL AND  
THERMOMETER

CORRECT OIL  
LEVEL

THE TYPE OF HYDRAULIC  
OIL USED FOR THE  
SYSTEM OPERATION IS:

**LI / 46**

IF OIL IS TO BE TOPPED UP  
OR REPLACED, IT IS  
RECOMMENDED TO USE  
THE SAME OIL TYPE OR  
ANOTHER OIL WITH THE  
SAME CHARACTERISTICS.



WHEN CHECKING EQUIPMENT LEVEL,  
COMPLY WITH THE FOLLOWING INSTRUCTIONS:

### IMPORTANT:

to top oil up, unscrew filter ring nut,  
extract filter holder and top oil up  
checking its level on the tank.

- 1) PADDLE CYLINDERS MUST BE CLOSED  
(OPEN PADDLE)
- 2) BINLIFTER CYLINDERS MUST BE CLOSED  
( BINLIFTER IN LOW POSITION)
- 3) BINLIFTER GRASPING CYLINDERS MUST BE  
CLOSED ( OPEN PLATE)
- 4) BODY OVERTURNING CYLINDER MUST BE  
CLOSED (LOW BODY )

**02 – LEVELS / WHAT TO DO IF**

<b>PROBLEM</b>	<b>POSSIBLE CAUSES</b>	<b>REMEDY</b>
<b>Power takeoff does not turn on</b>	Change gear lock	Disengage and press the clutch again
	No power supply	Check fuses and connections
<b>Electro-magnetic clutch does not engage (if any)</b>	No power supply	Check fuses and connections
-----		
<b>The cycle does not start using the START (green pushbutton – compaction paddle)</b>	Emergency pressed	Reset the emergency pushbuttons and press “Reset” pushbutton (in the cab)
	The binlifter system is completely lifted over the hopper	Lower the binlifter
	Body lifted	Completely lower the body
-----		
<b>The binlifter system doesn’t start</b>	Emergency pressed	Reset the emergency pushbuttons and press “Reset” pushbutton (in the cab)
	The paddle is not completely opened horizontally	Set the paddle to the horizontal open position

**02 – LEVELS / WHAT TO DO IF**

<b>PROBLEM</b>	<b>POSSIBLE CAUSES</b>	<b>REMEDY</b>
<b>The emergency buzzer rings</b>	Pressed emergency	Reset the emergency pushbutton and press “Reset” pushbutton (in the cab)
	Power switch Power supply to OFF	Place switch to “ON”
	Low stabilizer feet	Lift stabilizer feet up .
<hr/>		
<b>The white work beacon lights up</b>	No power supply	Check fuses
	Burnt lamp	Replace lamp
<hr/>		



**03 – IN CAB**

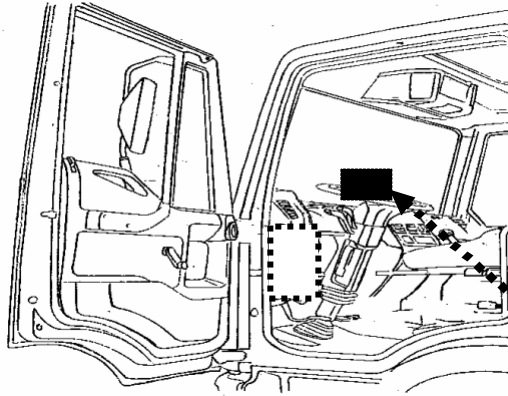
Subject .....Page

Power takeoff controls.....2

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## 03 – IN CAB

### POWER TAKEOFF CONTROLS (PTO)



1) - EQUIPMENT POWER SUPPLY SWITCH - GREEN

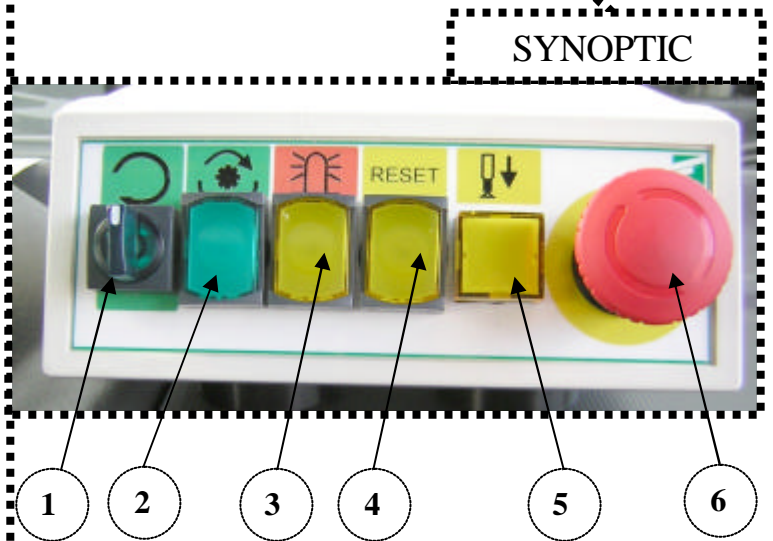
2) - PTO ACTIVATION/DEACTIVATION BUTTON - GREEN

3) - ROTATING BEACON POWER SUPPLY SWITCH - YELLOW

4) - RESET BUTTON - YELLOW

5) - YELLOW PILOT LIGHT (ON) FOR LOW STABILIZERS CYLINDERS

6) - EMERGENCY PUSHBUTTON - RED



## 03 – IN CAB

### OPERATION RULES

#### **1.0 PRELIMINARY OPERATIONS**

Before delivery, the equipment is subject to a severe operating test.

Please follow the below-mentioned instructions to ensure vehicle reliability and operation.

##### **Before starting it is advisable to:**

- Check hydraulic oil level in the tank and opening of the gate valves positioned under the tank.
- Check that the rear binlifter assembly is perfectly integral to the body.
- Should the cab chassis be provided with pneumatic system, make sure that the air tank of the cab chassis is pressurized (>/ 6 bars) .
- Make sure that there are no clear leaks of air or hydraulic oil from the systems.

#### **2.0 POWER TAKEOFF**

##### **2.1 SAFETY FOR VEHICLES WITH ELECTROPNEUMATIC CONTROL PTO**

To safeguard the vehicle change gear and the power takeoff, FARID uses a safety device preventing the power takeoff from being turned on when the clutch pedal is not pressed. This safety device allows automatically disengaging the power takeoff by simply pressing the clutch pedal. Turning on the power takeoff does not involve the start-up of any equipment function.

##### **2.1.1 VEHICLES WITH ELECTROMAGNETIC CLUTCH**

- Take power supply switch (1) to (“ON”) position; the switch lights up.
- PTO is activated/deactivated by green button ( 2 ) only.

##### **2.2 POWER TAKEOFF ACTIVATION OPERATIONS**

##### **2.2.1 Power takeoff activation**

- Put the change gear lever into neutral
  - Engage the parking brake (hand brake)
  - Take power supply switch (1) to (“ON”) position; the switch lights up.
  - Press the clutch.
  - Press the green button (2), the button lights up.
  - Slowly release clutch
- At this stage the power takeoff is engaged and the equipment is ready to operate.

##### **2.2.2 Power takeoff deactivation**

- Press the clutch pedal to the limit stop, then slowly release. The green button ( 2 ) switches off.
- **At this stage, the power takeoff is disengaged and the vehicle is ready to move.**

**When service is completed, deactivate electric power supply taking switch ( 1 ) to ( “OFF” ) position.**

**04 – CONTROLS**

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Cycle in Single Mode.....3

Cycle in Synchronized – Automatic Mode.....3

Stabilizers/Binlifter Controls.....4

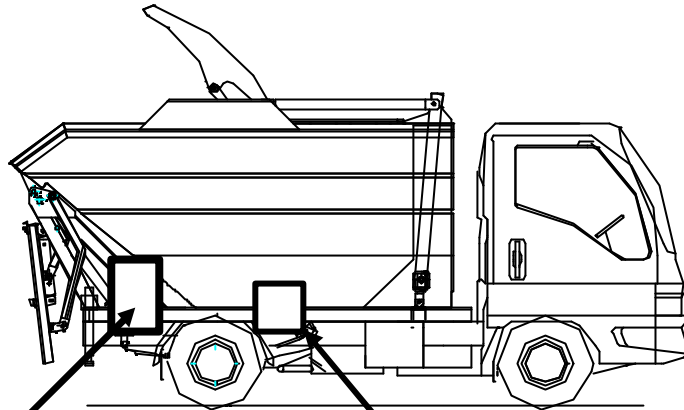
..

Rear work beacon control.....5

## 04 – CONTROLS

### CONTROLS

#### EQUIPMENT RIGHT-HAND SIDE VIEW



**REAR RIGHT-HAND SIDE PUSHBUTTON**



**SIDE HANGING BUTTON PANEL (OVERTURNING)**



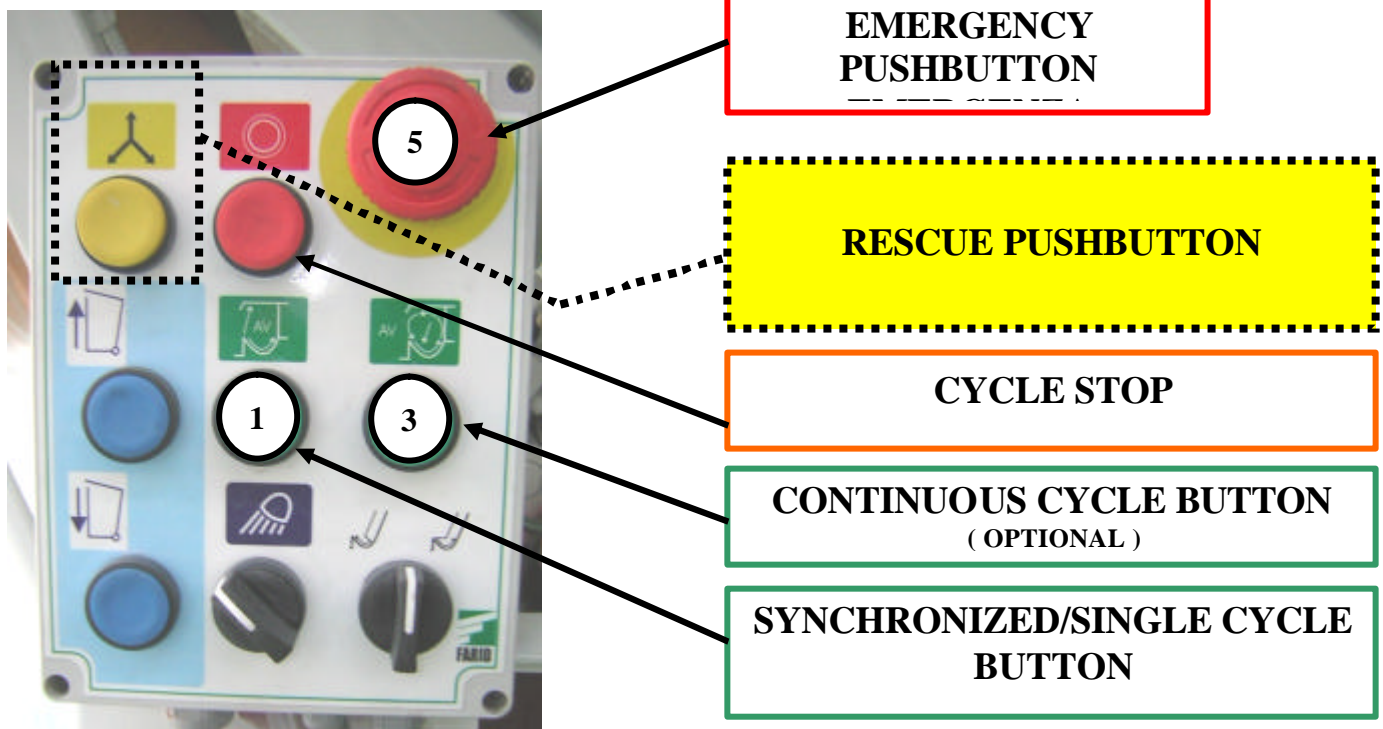
### NOTES

- RIGHT/LEFT-HAND SIDE CORRESPONDS WITH REAR VIEW, WHEN LOOKING AT THE RUNNING DIRECTION
- FOR U.K. MARKET, THESE CONTROLS ARE LOCATED ON EQUIPMENT LEFT-HAND SIDE

## 04 – CONTROLS

### REAR RIGHT-HAND SIDE PUSHBUTTON PANEL

FARID MINI-COMPACTORS series consists of 2 compacting modes (both in compliance with European Community legal regulations enforced).



#### - Single cycle mode

Press green button **1**: the paddle runs the compaction operation by getting closed; once reached the maximum load position, it is automatically opened with the maximum thrust.

#### - Synchronized mode

Press green pushbutton **1**: the paddle runs the compaction operation by getting closed; once reached the maximum load position, it is automatically opened with the maximum thrust.

After overturning the refuse bin, it automatically restarts a single compaction cycle, when button is released. In these phases, action is interrupted through either the red pushbutton **5** (Emergency mushroom-head pushbutton) or the yellow pushbutton **3** (RESCUE) that is subsequently pressed to operate the release (paddle opening).

#### Automatic - Continuous mode

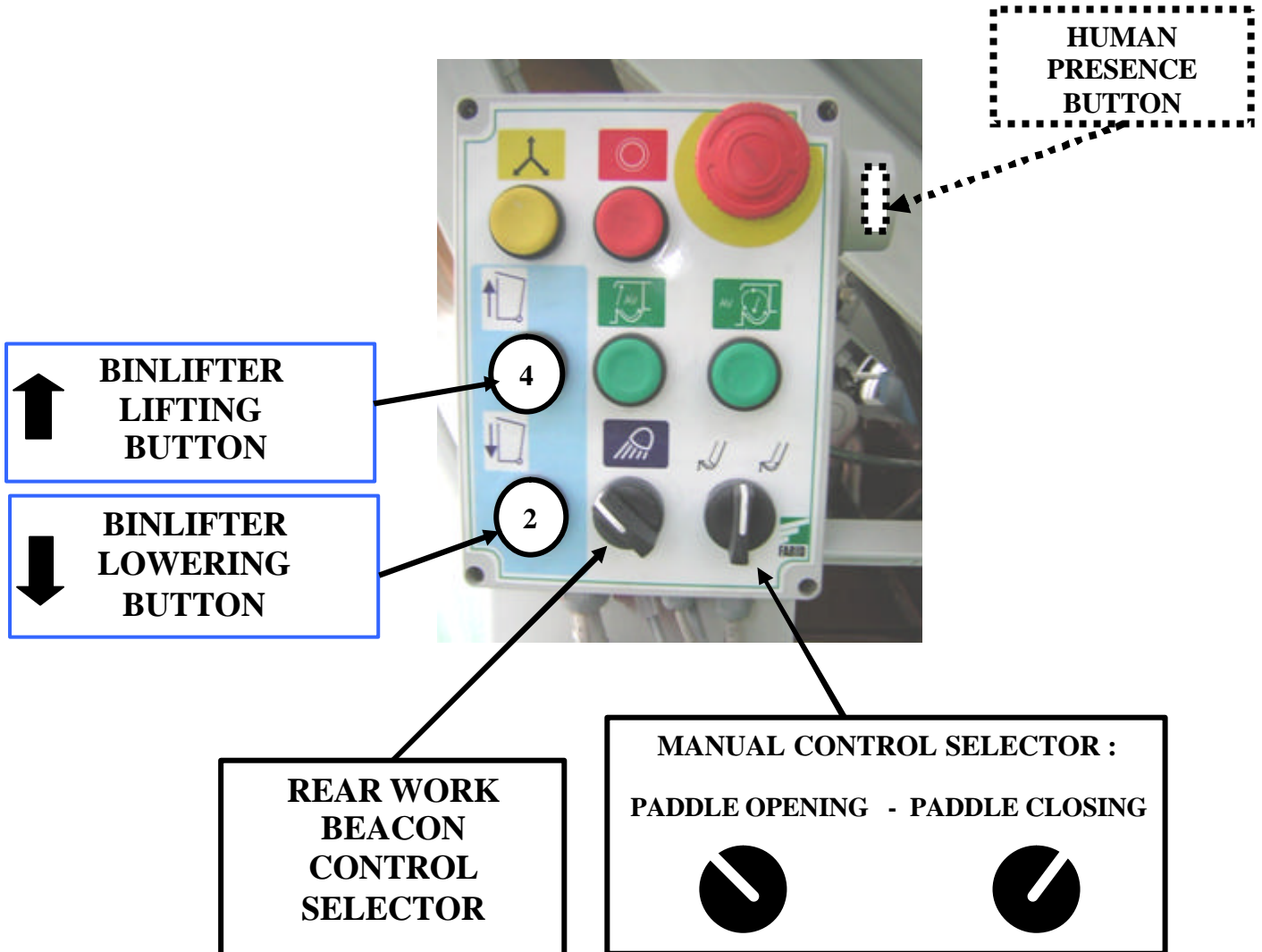
Press button **3**; the paddle closes and cyclically reopens until it is stopped by CYCLE STOP red button.



The yellow (RESCUE) button operates independently of the red button 5 (EMERGENCY PUSHBUTTON)

## 04 – CONTROLS

### REAR RIGHT-HAND SIDE PUSHBUTTON PANEL



Binlifter is controlled  
by buttons marked :

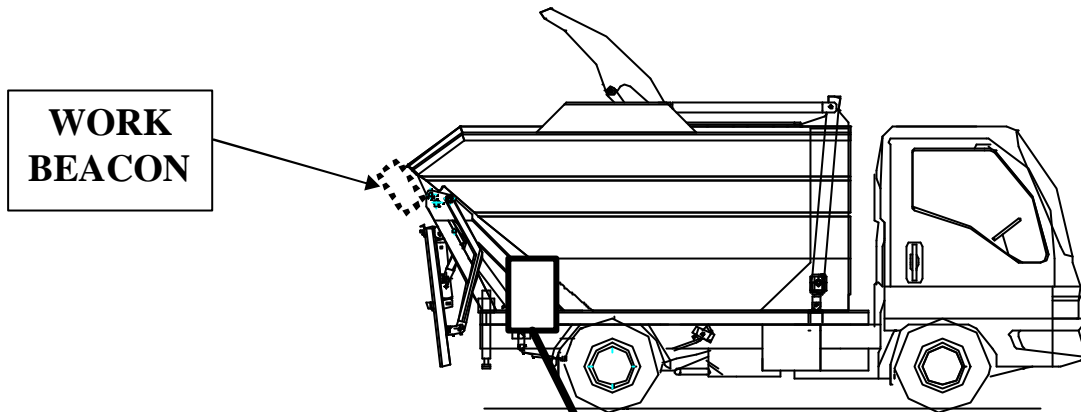
Press top button (4) + human presence button for **lifting**.

Press bottom button (2) + human presence button for  
**lowering**.

## 04 – CONTROLS

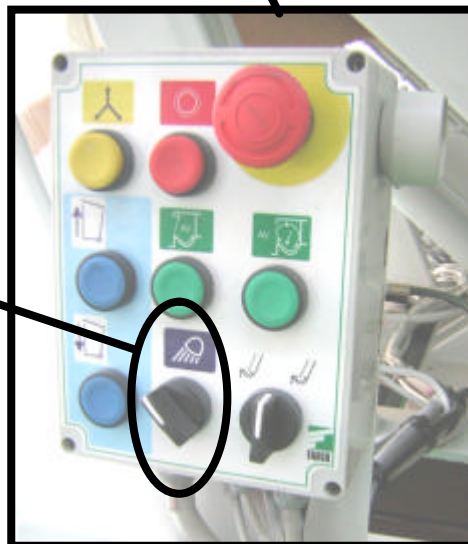
### WORK BEACON CONTROL

EQUIPMENT RIGHT-HAND SIDE VIEW



WORK  
BEACON

REAR WORK  
BEACON  
CONTROL  
SELECTOR



REAR RIGHT-  
HAND SIDE  
BUTTON PANEL

#### NOTES

The rear work beacon only lights up when vehicle ignition key is on (position “ON “ under the key).

It can be noted: ensure orientation does not provoke any trouble to car drivers.



## 05 – UNLOADING OPERATIONS

Subject .....Page

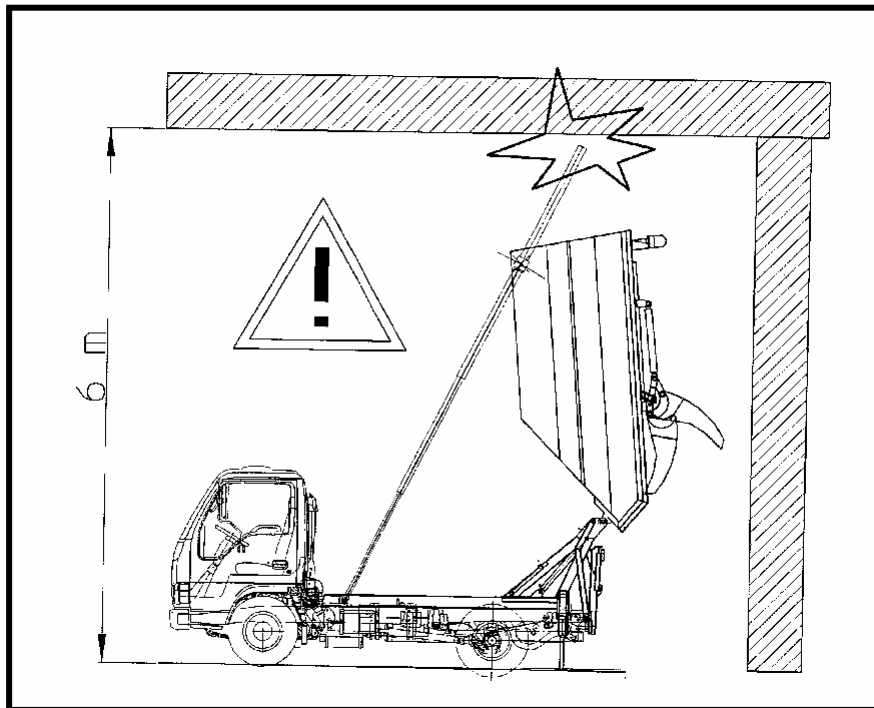
Control Positioning.....2

Waste Discharge.....2

### **CAUTION**



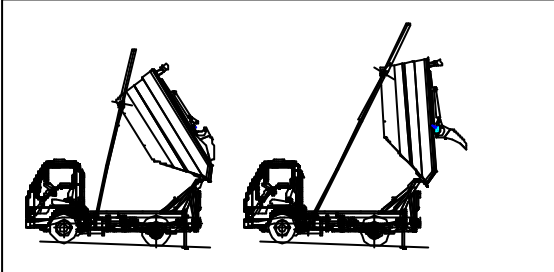
FOR DISCHARGE OPERATION IN INDOOR AREAS,  
VERIFY THAT ROOF HEIGHT IS HIGHER THAN 6 METERS



# 05 – UNLOADING OPERATIONS

## SIDE HANGING BUTTON PANEL (UNLOADING)

The following controls apply for unloading phase.



VIEW OF UNLOADING BUTTON PANEL

**NOTES**

When unloading a satellite vehicle, lift the container up with paddle half-closed; when located on a side, gradually open it to dispose of waste located in the receiving vehicle hopper.

**Usable controls:**

**Manual controls selector**

(see sect. 04 – page 4 )

↑

**STABILIZERS LOWERING BUTTON**

**BODY LIFTING is obtained**

(in sequence)

STEP " A "

↓

**BODY LOWERING BUTTON**

**STABILIZERS LIFTING is obtained**

(in sequence)

STEP " B "



**HUMAN PRESENCE GREEN BUTTON**

**DISCHARGING BUTTON PANEL**

To perform Unloading - Stabilizers lowering/Body lifting - Perform phase "A"  
 (Automatic sequence) **Initially, paddle locates in horizontal position**  
 To perform Body lowering/Stabilizers lifting perform - phase "B"  
 (Automatic sequence)

**06 – BINLIFTER  
AND COVER LIFTER**

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Bin clamping plate.....2

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## 06 – BINLIFTER AND COVER LIFTER

### DESCRIPTION

1 – Bin clamping plate

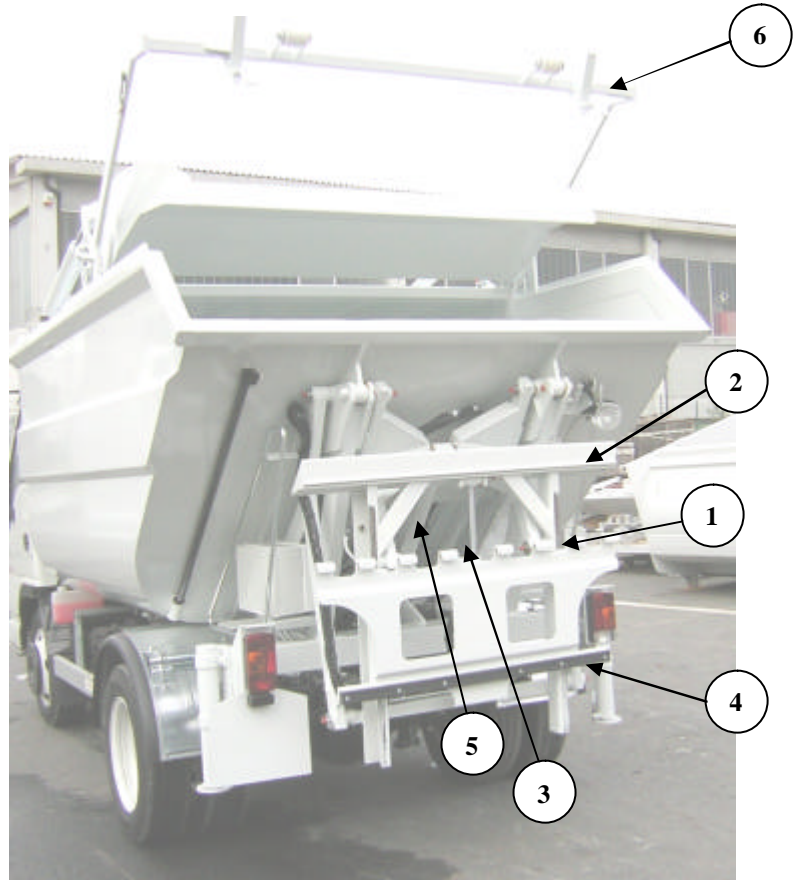
2 – Plate stop

3 – Container grasping cylinders

4 – Body stop

5 – Binlifter cylinder

6 – Cover lifter (optional)



### **BIN LIST**

Your equipment is designed to discharge the following bins:

**120 to 1000 litre bins, provided with plate attachment and swinging flat covers.**

**1100 Din containers with tilting cover and cover lifter (optional)**

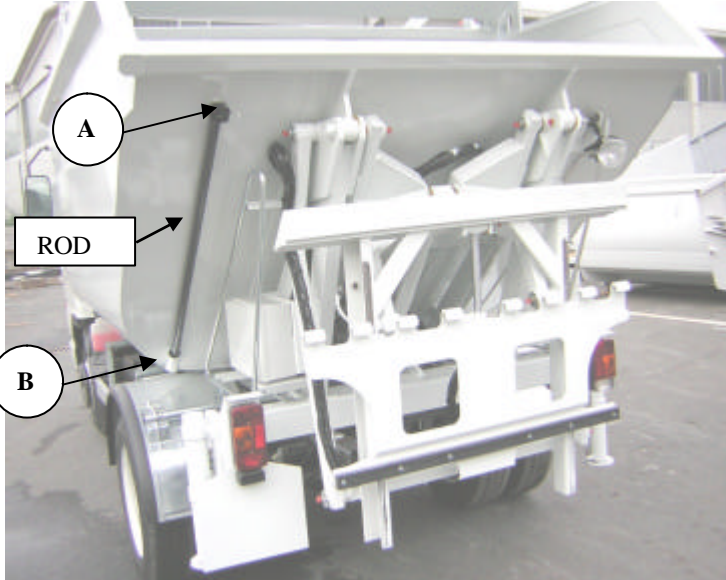


**THE USE OF BIN DIFFERENT FROM THE  
ONES LISTED MAY BE DANGEROUS FOR PEOPLE  
AND CAUSE DAMAGES TO THE EQUIPMENT OR TO  
THE BINS THEMSELVES.**

**The binlifter operating controls are described in Chapter 04 (cycle controls), page 4 .**

## 06 – BINLIFTER AND COVER LIFTER

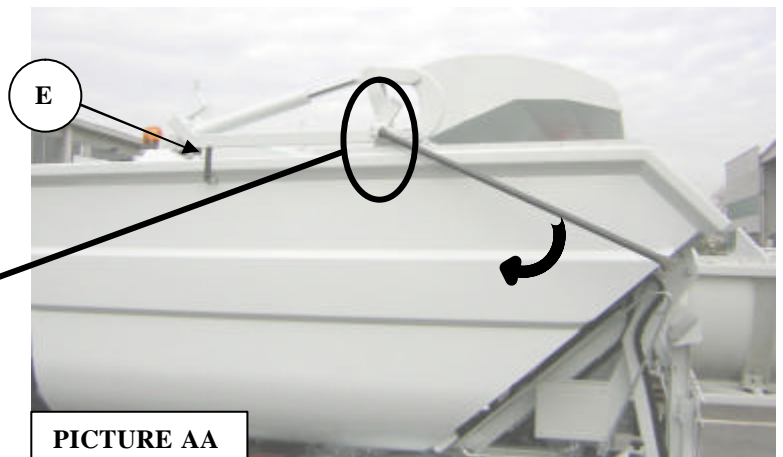
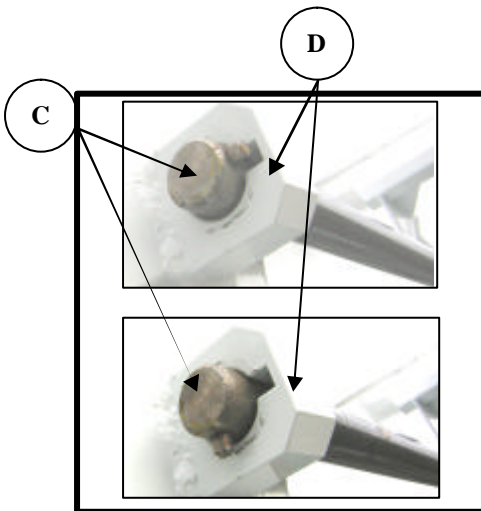
### COVER LIFTER USE



#### **STEP (1)**

When using the cover lifter, the rod must be used first, to place it in proper operating position.

- Unscrew the plastic roller (A)
  - Release rod from bottom support (B)
  - Engage rod clutch (C) in coupling grid (D) - (see picture AA)
  - Rotate rod by at least 90° so that it cannot be extracted from coupling grid (D)
  - Release the device fastening belt (E)
  - Rotate rod clockwise until the cover lifter device reaches the limit stop and locates in proper operating position (see picture BB on page bottom side)
- Remove rod, replace and fasten it in its original seat (see side picture).



#### **STEP (2)**

**After taking the cover lifter to running position, perform the following operations:**

- Use the rod available and take the cover lifter to its original position, as shown in picture AA .
- Fasten safety belt (E); after placing the available rod in its original seat, ensure it is properly fastened. Now, vehicle running can be started again.

**07 – MAINTENANCE**

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**Annexes:**

**Maintenance plan**

**List of FARID centres**

## 07 – MAINTENANCE

### CLEANING

The vehicle should be washed at the end of each shift to avoid refuse buildup and subsequent issues. Daily check for refuses stuck in the packer plate operational area to avoid jamming. Keep mirrors, windows, signals, lights, cameras (if any) clean and verify proper operation of the parts.



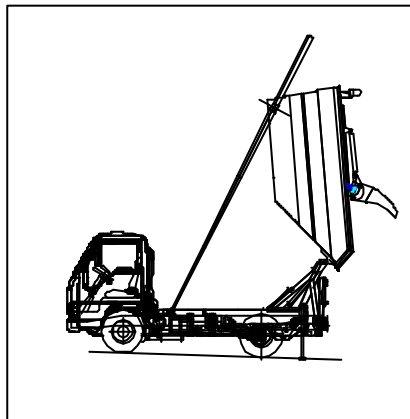
**FOR CLEANING, MAINTENANCE, AND LUBRICATION OPERATIONS UNDER THE BODY, ALWAYS USE THE SAFETY PROP.**



**DURING CLEANING OPERATIONS, NEVER DIRECT HIGH PRESSURE WATER JETS TOWARD THE ELECTRIC AND HYDRAULIC SYSTEMS . THIS MAY DAMAGE THE SYSTEMS , COMPROMISING PROPER OPERATION OF THE EQUIPMENT**



**BEFORE CLEANING THE BODY, REMOVE THE KEYS FROM THE IGNITION BLOCK.**



#### **DISCHARGE OF SEWAGE FROM BODY**

**Body washing can be performed by authorized centres only,  
or where the water used for washing is collected in specific containers for later treatment according to applicable standards.**



## 07 – MAINTENANCE

### **LUBRICATION**

To operate properly, the equipment must be periodically lubricated, possibly after every shift, and also after the washing.

Points to be always lubricated are shown below.



USE A GREASING PUMP TO LUBRICATE ALL MOVING PARTS AND ROTATING PINS FOR PADDLE AND LINK ROD ( RIGHT AND LEFT—HAND SIDES)

USE A GREASING PUMP TO LUBRICATE ALL MOVING PARTS AND ROTATING PINS FOR BINLIFTER AND PLATE ( RIGHT AND LEFT-HAND SIDES)

USE GREASE TO LUBRICATE (BRUSH) PLATE SLIDING INTERNAL GUIDES



WHEN LUBRICATING, MAKE SURE THAT THE KEYS HAVE BEEN REMOVED FROM THE IGNITION PANEL.

WE RECOMMEND USING GREASE HAVING THE FOLLOWING FEATURES:

FIAT LUBRICANTS - J1 LITEX EP/1



## **07 – MAINTENANCE**

**FARID SERVICE** recommends carrying out checks and replacements according to the attached plan in order to reduce running costs and ensure the constant functionality of your equipment.

**FARID** is also available to offer check coupons and scheduled maintenance plans by contacting the regional offices or our authorised workshops.

### **List of Service FARID Centres** (SEE THE FOLLOWING PAGES)

## FARID SERVICE

	Code	ACTION DESCRIPTION	
DAILY ( 5 HOURS )	A1	Equipment washing and cleaning	
	A2	Level check (oil, equipment)	
	A3	Equipment oil leakage check	
	A4	Rotating beacon operating check	
	A5	Operating check on emergency and rescue buttons, and safety devices	
WEEKLY (25 HOURS)	B1	Binlifter system check ( screw tightening and levers clearance)	
	B2	Greasing of compaction and binlifter systems	
	B3	Check on fastening screws to chassis	
MONTHLY (100 HOURS)	C1	Greasing of overturning cylinder	
	C2	Fastening check on binlifter and compaction lever hinges with their cylinders	
	C3	Tightening check on hoses and hydraulic fittings	
YEARLY (1000 HOURS)	D1	Oil filter cartridge replacement (first replacement at 250 hours)	
	D2	Bronze bushes replaced on compaction system	
TWO-YEAR (2000 HOURS)	E1	Bronze bushes replaced on binlifter system	
	E2	Check on PTO and pumps	
	E3	Gaskets replaced on binlifter cylinders	



## SERVICE FARID CENTRES

### **FARID – MUNICIPAL VEHICLES LTD.**

Rudford Industrial Estate  
Ford Arundel – West Sussex  
UNITED KINGDOM – BN 18 ODB  
E-mail : fariduk@demon.co.uk

Phone + 44-1903-732604

Fax + 44-1903-732605

### **FARID Industrie S.p.A.**

Strada Moncalieri 109 – fraz. Tetti Caglieri  
cap.10048 VINOVO (TO) Tel. 011.6400401  
ITALY E-mail : [service.vinovo@farid.it](mailto:service.vinovo@farid.it)

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#### **Technical support**

Phone 011/6400405  
Fax. 011/6400459

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#### **Repairs**

Phone 011/6400404  
Fax. 011/6400427

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#### **Spare parts**

Phone 011/6400407  
Fax. 011/6400409