

MOBILE WORKSHOP SYSTEMS by ALURA TRAILER



Introduction;

Alura Mobile Workshop is designed to service trucks, trailers, semi trailer and other vehicles at the area.



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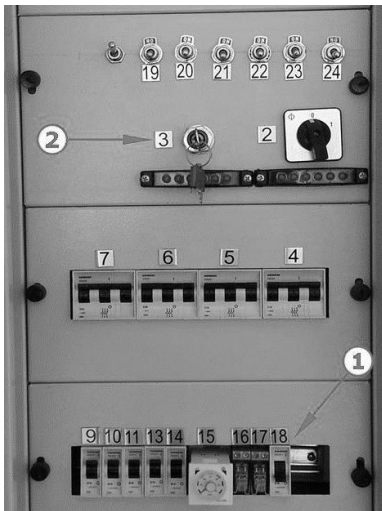
ALURA MOBILE WORKSHOP SYSTEMS

Mobile Workshop User's Manual



Control Panel

- 1 - Master Switch
- 2 - Compressor starter
- 3 - Generator starter
- 4 - Washing machine
- 5 - Tyre changer
- 6 - Sliding locker / 380 V socket
- 7 - Main Fuse
- 9 - Lighting fuse
- 10 - Lighting fuse
- 11- Lighting fuse
- 13- Lighting fuse
- 14- Electrical plugs fuse
- 15 - Compressor timing relay
- 16 - Compressor start relay
- 17 - Compressor stop relay
- 18 - Generator battery start/stop fuse
- 19 - Inside lighting – Rear
- 20 - Inside lighting – Middle
- 21 - Inside lighting – Front
- 22 - Outside lighting – Left side
- 23 - Outside lighting – Rear
- 24 - Outside lighting – Right side



Start :

In order to deliver electricity to the system turn switch "1" to position "1"

Generator :

Start,

- 1- The fuse with number "18" lift it up and to allow battery
- 2- Start by turning key to right side which numbered "3"

Stop,

- 1- Stop by turning key to left side which numbered "3"
- 2- Push the fuse which numbered "18" to down

! Important: If red light is open it means battery is active – shut down the fuse "18"

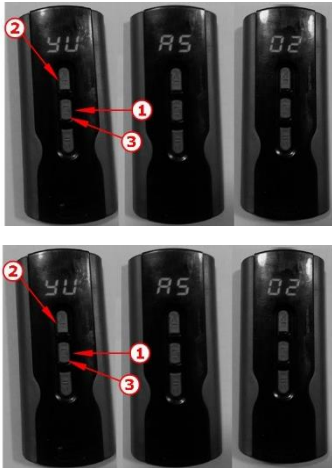
Technical information about Generator:

If oil less than enough working system doesn't work. Check with oil stick

Working time 2,5 – 3 hours

Average consumption 6 ltr / per hour

Fuel capacity : 19.5 Ltr



Automatic Slatted Shutter System :

System is open when MWS is furnished with electricity

1 – By pushing in the middle of the remote control you can choose suitable position with up/down buttons

2- By choosing "YU" and pushing middle button all shutters opened

3- By choosing "AS" and pushing middle button all shutters closed

If choose one of options "01" "02" "03" "04" "05" "06" "07" and push the middle button shutters go reverse of current position

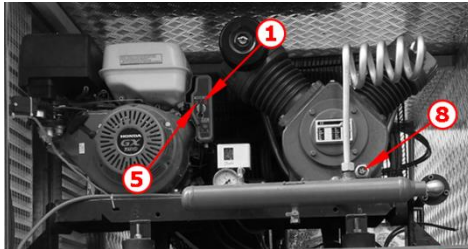
Locking system is automatically activated when the motor arrives end of level

If any equipment stays outside and if shutter stacked; the electrical motor continue working. To correct this issue star shutters reverse and make the system stable.

If any problem occurs with generator; at the rear of MWS (driver side) there will a cable in the box to start system with 220/230 V electricity

Before connecting city line (220/50Hz) Turn the switch to position "0" After connection turn the switch to position "2" to use shutter system

! Important : Do not make truck move more than enough when slatted shutters are open.
Check the equipments before closing slatted shutters

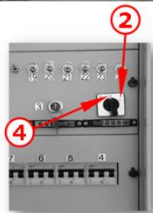
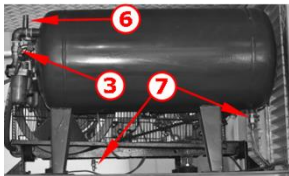


Air Compressor:

1 - On the engine the key must be position "ON"

2 - Turn to switch from "2" to "1"

3 - Air delivery valve on the deppot



Compressor will start automatically when inside air under 8 bar

Fuel engine automatically stops when air tank reaches 14 Bar

4 -Turn the switch to "0" if no need using compressor when it stops automatically

Do not close the switch before compressor engine stop.

5 - In order to stop emergency turn the key "OFF" and turn the switch position "0"

The compressor is working inside the system with 2 line as 8 and 12 Bar.

Tyre changer line is 12 Bar (can be changed)

Workshop system line is 8 Bar (can be changed)

⚠ Important: *If RED light is open check the system. After the work turn off the switch.*

6 - If air depot reach above 15 Bar – emergency valve is opened

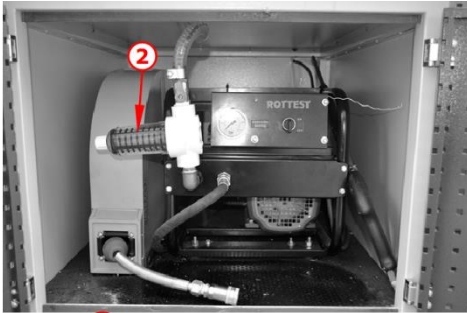
⚠ Warning : *Do not start air compressor when the vehicle is on way*

Technical Information of Air Compressor:

Fuel engine capacity 6,5 Ltr fuel and 2 Ltr oil

Check the oil level from pistons

Change the oil if decrease and become waste



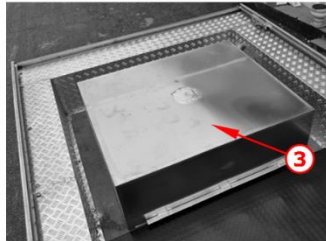
High Pressure Washing System:

System can be used both remote control unit and on the machine ON/OFF switches.

1 - To start washing system on remote push "A" button and to stop push "A" button again



Washing system does not work without using washing gun and does not give pressured water.



2 - Clean the filter when it is dirty.

3 - 500 Ltr water deppot is settled above of MWS

Using of washing system;

Take the hose where it needed and take the gun

Push "A" to start system

Push "A" to stop system when working is done

After system is closed, push the gun to lower pressure

Roll the hose

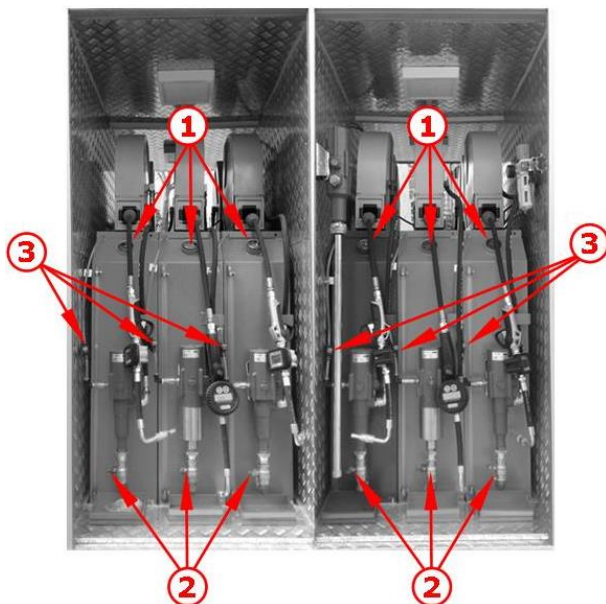
Before set the gun, discharge inside water



Important: Do not start system without water



Important : After washing make the pressure lower by pushing gun



Oil pumps and System:

Inside the system there are 6 fixed and 3 manual pumps

All pumps' working pressure arranged as 8 Bar

2 pumps which connected "Blue" tanks are using for water based like anti-freeze, ADBLue – Radiator – Coolant etc..

4 pumps which connected other tanks can be used for

any kind of oil

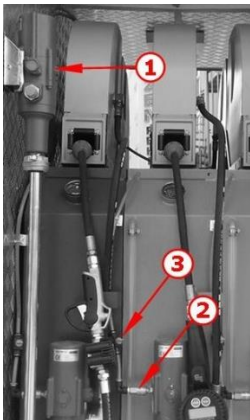
Hanged pump is using to transfer from barrel to tanks.

Air can be discharged with a spiral hose when transfer pump connected to barrel

The reel inside the MWS can be connected to 8 Bar line to prepare air

Using fixed pumps;

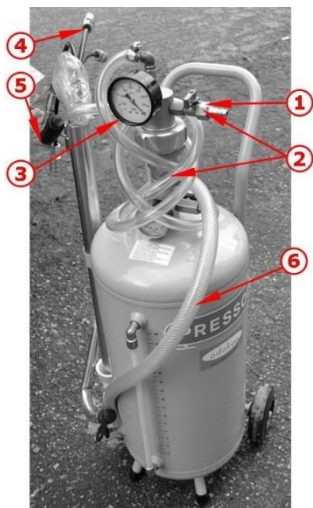
- 1 - Use suitable liquids from barrel to tanks
 - 2 - Open the valve between pump and tank
 - 3 - Open the valve between pump and air line
- The valve between pump and tank can stay open if tank is full
 To use pumps push the gun otherwise they do not work
 2 - Close the air line valve when transfer is done
 Lower pressure when transfer is done by using gun



Using mobile pumps;

- 1 - Fix it oil barrel after sepearate from its place
- 2 - Connect the air to pump with a sprical hose by taking air line from the fixed pumps' place
- 3 - Open the air line

Close the air line after transfer done and sepearate connection



Using oil sucking pumps from engine:

- To start be sure all valves are closed
Take the equipment to near the vehicle
- 1 - Connect the 8 Bar air line from blue valve
 - 2 - Open "Blue" and "Red" valves in the middle
 - 3 - Supply air until vacuum meter shows - 400 Bar
 - 4 - Put the suitable hose to oil cap of engine
 - 5 - Open the tap on the gun to vacuum
Close the gun's tap, air and middle "RED" valve
 - 6 - To discharge waste oil – put the air outled hose to waste oil tank
Open the valve to start discharging

Connect air to "BLACK" valve behind the pressure gauge and open it if waste oil stays inside the vacuum tank
Make sure the tank completely empty.

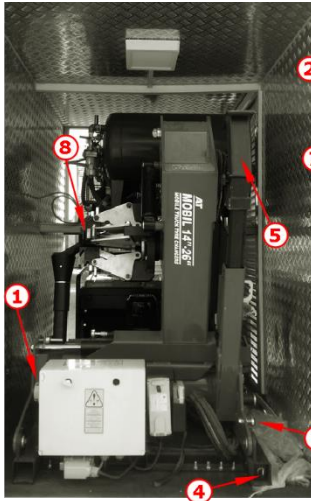


Using grease oil pump tank:

- 1 - Remove the metal plate inside the tank. Fill the grease oil
 - 2 - Put the metal plate
 - 3 - Close tap of pump and tank
- Take the grease tank where the place with 8 Bar air line
- 4 - Put the air line to pump
- Take out the air line and lower pressure when operation is over by push the gun

Equipments which have to be mounted

- **Warning lights**
 - Use the cable under the control panel to set line to truck cabin
- **Rear stop lamps**
 - Connect with truck's connection
- **Waste air deppot**
 - Remove the spare tyre of MWS and the part of place. Put the deppot with bolts which already prepared according to truck chassis.



Tyre Changer:

- 1 - Turn the switch on the equipment "1"
- 2 - Push "START" on the remote control unit
- 3 - Open emergency valve at the right side
- 4 - Turn the switch (where in front of the emergency lock) to left side to take it outside
- 5 - Connect the part which stand on the floor
- 6 - Push the "UP" button to open second joint
- 7 - Push the "LEFT" button to arrange necessary size of tyre

8 - Align the tyre

Use the ramp apparatus on the equipment if tyre is not reach the equipment

9 - To catch tyre use the remote control unit

Bring the equipment starting position after operation is done

To up the lift, hold the switch (where in front of the emergency lock) to right side

Remove the apparatus after operation is done

! 10 - Important: Make sure the circuit complete where bottom of the remote control is its own place. Otherwise system does not recognise the commands.