





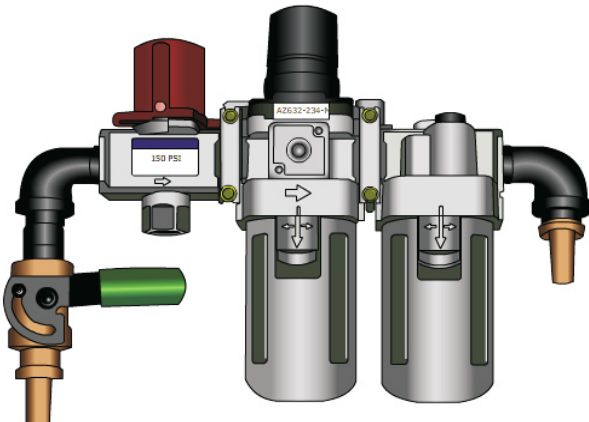
OIL LUBE SYSTEMS PVT. LTD.

An ISO 9001 : 2008 Certified Company

Exclusive Service Equipments

Operation, Preventive Maintenance & Safety Chart



Hydraulic Bike Lift Scissor Type, Hydraulic Operated L*W*H -1800*600*250mm Shut Height : 250mm Load Lifting Capacity : 200 Kgs Accessories : Front Wheel Stopper, Inbuilt exhaust system with Special Heat Resistant Silencer Nuzzle Adopter Structure : Made of CRC Pipes Top Sheet : Thickness 3mm Paint :Powder Coated Inbuilt Smoke Exhaust System		Operation: It works on Hydraulic fluid transfer mechanism thru Electric Operated Power Pack. To operate 220 Volt Single Phase electric supply required to run the Doughty Pump fitted inside the Power Pack which transfer pressurized Hyd. Oil thru Hose to Cylinder fitted on Lift base frame to jack up the Scissure structure to desired height. Safety Lock is provided to avoid any accident.	Precautions: To take the maximum mileage out of product, preventive maintenance is must. 1. Periodically lubricate all bush joints and movable wheels. 2. Check Hyd. Oil Level once in a month in Power Pack. 3. Replace Hyd. Oil once in a year. 4. If leakage found check Hyd.Hose Joints & other joint, if found loose, tighten properly. If worn out replace hose & connectors. 5. If lift is not in use, keep it in down position.
Hydraulic Power Pack Structure made up of MS Sheet With Canopy. Non Return Valve Pressure Relief Valve. Doughty Make Pump Single Phase Motor Pressure regulator for return line to set down speed. Suitable for 1:4 ramps. Tank Capacity : 15Ltr. Hydraulic Oil Used : 68 Grade		Operation: It works on Hydraulic fluid transfer mechanism thru Electric Operated Motor runs on 220 Volt SinglePhase electric supply to operatethe Doughty Pump fitted inside the Power Pack tank which transfer pressurized Hyd. Oil controlled byPressure Relief Valve thru Hose to Lift Cylinder. Lift movement is controlled by Pilot Check Valve fitted on out line.	Precautions: 1. Periodically check for any leakage. If leakage found check Joints tighten If required. 2. Check Hyd. Oil Level once in a month in Power Pack. 3. Replace Hyd. Oil once in a year. 4. Don't run motor on low voltage. Use MCB of 16AMP in line connection. 5. Once in a quarter open & clean Solenoid valves with Kerosene or Diesel. 6. If Lift is in raised position not going down, Check safety lock is released or not. Check the solenoid valve lights are ON or not. Check the connections in Switch. If connection found OK. Check the DC Valve Pin movement it should not be sticky. Check the Hose for free flow of Oil. Check Manual pump release valve knob position, it should be in close position always. Check Relief Valve Pressure Setting It should be 0~40Kgm. Check the Air trapped in line release it by breathing operation, Lose the hose and drain out some oil with air bubbles. Check Motor Drive it should be in clock wise direction. Check Oil Filter it should not be choked. Setting of Up & Down motion done by Pressure Relief Valve. Its setting should not be altered. Setting lock to be in palace. Check Oil Level & its condition in tank. If oil is old flush the tank & refill with fresh oil.
Filter Regulator Lubricator (FRL Unit) Used for Filtrations of Contaminants like dust & Moisture from Air, Regulating the Air Pressure Level & Lubrication of Air for Nut runners.		Operation: Filtration is used at Intake of AirCompressor as atmospheric Air istaken by compressor, At outlet of Air compressor & at Inlet of FRLunit, as air contains water andcontaminants.Pressure Regulator provided to adjust the Air pressure at desired &constant level.Lubricator is provided to lubricatethe air for lubrication of moving components.	Precautions: 1. Periodically check & keep clean the filter bowl. 2. Don't disturb the pressure regulator setting unnecessarily. 3. Fill the lubricator bowl with recommended lubricant (Servo Spin 2)& keep maintain the level always.



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Vertical Panel

Structure made up of MS Sheet & Steel Tubes with stylish Illuminated Top by MirrorOptic Lights. Built -in Pneumatic Line for Nut Runner & Air Gun. Parts Bin for small components storage during service. Pinup board to display imp. Info. / Ser. Circular. Lockable Sliding Drawers forkeeping hand tools. Folding Platform at bottom to place dismantled body parts.



Operation:

Pneumatic line is connected with Air compressor thru FRL unit, Ball Valves Provided to control the Air Pressure. Pressure gauge on FRL unit indicates running air pressure. PU Coil Hose with QRC for easein connecting the Pneumatic tools during service. Spring balancer is provided to support the Nut runner.

Precautions:

1. Periodically check for any air leakage. If leakage found check Joints tighten If required.
2. Check free movement of sliding drawers, periodically lubricate the slide channels with grease.
3. Check the electrical connections.
4. Release the trapped water in filter.
5. Maintain Recommended Oil level in Lubricator.
6. Check tightness of all nut and bolts periodically.
7. Always keep clean work area & Drawers.

Spark Plug Cleaner & Tester

Structure made up of Resin Molded Fiber With Canopy. SPCT has been designed incorporating all essential features and devices necessary for efficient cleaning of the spark plug and testing the same under stimulated conditions prevailing in internal combustion engines.

The spark plug cleaner and tester is used for testing the High Tensions Peak of the spark plug under high voltage and high air pressure.

SPCT to be connected to the compressed air system capable of giving maximum pressure of 12kg/cm2.

Wherever such high pressure is not available there should be at least a minimum of 7 kg/cm2 which is essential for cleaning the plugs.

Runs on 220 Volt AC supply with Pneumatic Air pressure.

Different rubber adaptors to accommodate different type of Spark Plugs. Special Spark Plug cleaning sand is used in chamber.

In Line Filter for Air Filtration

01.Working Pressure : 5kgf/cm2-12kgf/cm2

Spark Plug used : M10, M12, M14 & M18

Input voltage : 220V, AC, 50 Hz

Electronics Vibrator : 220V / 12V Ignition Coil : 12V / 12 KV

Size : L x W x H : 350 mm x 265 mm x 280 mm Over all

Weight : 12 kg.



Operation:

CLEANING OF DUSTED SPARK PLUG :-
First the cleaner unit assembly should be filled with sand. Next the unit has to be connected to the compressed air system which is capable of giving maximum pressure of 12 kg/cm2 and the minimum pressure of 5kg/cm2. Nextturn away the protective shield in cleaner unit assembly and fix the dusted spark plug in the rubber adopter and operate the double action valve knob at ABRASIVE BLAST POSITION for 10 to 15 seconds by rotating the plug so as to clean in all position followed by operating the Double action Valve knob to AIR BLAST POSITION to remove the sand particles in spark plug for 5 seconds. The specified pressure should be maintained while cleaning the spark plugs and also see that the cleaner unit contains 500 gms of sand.

CHECKING THE PLUG :-
Either compressed air or air boosted can be used for checking performance of the Spark plug. The unit is supplied Blind plugs with air screws fixed over the respective plug adopters. Now spark plugs to be fixed over the respective plug adopters by removing the Blind plug and Air screw and keeping tight the other adopter, blinder plug & air screw assembly. After that fix the HT cable-clip over the spark plug and supply is given.

Please note that power supply should be given to the unit only after fixing the HT cable-clip over the spark plug. Now press the press switch and observe the spark. If it is bright, the plug is in good condition. If the sparking is dim or no spark is found then it is not suitable for operation and to be scraped. During testing of spark plug if there is any jump of spark over the insulated porcelain portion, the plug should be discarded.

Precautions:

The following things should not be done while cleaning and plug testing.

1. Do not operate without plug.
2. Do not operate the sand blast when the chamber is open.
3. Do not remove the spark plug from the pressure chamber without releasing the pressure.
4. Use always 3 pin plug socket.

CLEANING

1. Don't operate the Double Action Valve Knob while there is no spark plug in the cleaner unit assy. Otherwise the sand will come out which is harmful to the operators.
2. Rubber nozzle mouth should be covered while filling the cleaner unit with sand other- wise the sand particles will close the jet nipple which leads to stop air flow. While cleaning the plugs, respective Rubber adopters should be used. Otherwise high pressure air or sand will come out which is harmful.
3. Moisture separator and compressor should be drained periodically to avoid contamination of sand.
4. The air pressure should not exceed 12 Kg/cm2 to ensure safe operation.

PLUG TESTING

1. The power supply should be given to the unit only after fixing the HT cable clip over the spark plug.
2. During testing of plug care should be taken so as to avoid touching the HT cable for safety purpose.

Maintenance

CHANGING OF SAND : The cleaning sand can be used for 500 operations only. After that the sand will become powder and it will not clean the plug. The used sand cane be drained by removing the stopper of the cleaner unit assembly which is located at the bottom side of the casing. After filling the sand stopper should be tightened.



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Waste Oil Collection & Transfer System

Used for collecting the drained oil during service. Tank capacity - 40Ltr. Oil Transfer thru Pneumatic pressure controlled by pressure regulator fitted in line. Eye Level is provided to check the level of oil in tank. Structure made up of CRC Sheet. 4 Nos. Heavy duty castor wheels provided for easy rolling on shop floor. Oil collection pan made up of SS connected with flexible metallic hose for easy cleaning & longer service life.



Operation:

It works on 220V AC supply. Load the chain on cleaning board by pressing self adjust sprocket, Switch 'ON' the Red button to start cleaning board & Grease chamber heating coil. Switch ON the cleaning pump by Green switch to start pressurized Kerosene supply for chain cleaning. Run the system for 5~10 min up to proper cleaning of chain. After cleaning of chain stop the Cleaning Pump by Green Switch & press the Air Dryer Push Button to dry the chain completely. Stop the Chain Cleaning Board by Red switch & Take out the chain from board. Put the cleaned chain in specially designed chain holding cage and dip in melted grease chamber for 5min. to penetrate the grease in chain links for proper lubrication. After 5 mins take out the lubricated chain from chamber with the help of hook take caution as chain is hot Don't touch by hand, and hang on the hooks provided on front side to drain out the excess grease in grease collecting tray placed on sliding tray at bottom to cool down the chain temperature before mounting on vehicle. Clean the filter tray placed under the cleaning board. Switch Off the machine and take out plug from board.

Precautions:

1. Periodically check & keep clean the drain pan.
2. Check for any leakage, if required tighten the joints.
3. Once in a month drain out the oil completely and flush the tank.
4. Don't alter the setting of pressure regulator it should not be more than 1Kg.

Hydraulic Press

A hydraulic press is a machine using a hydraulic cylinder to generate a compressive force. It uses the hydraulic equivalent of a mechanical lever. Robust Structure made up of MS Plates Equipped with Hydraulic Cylinder
Capacity 5~10 Ton
Operated by Manual Power Pack.
Tank Capacity : 5Ltr.
Hydraulic Oil : 68 Grade
Adjustable base frame for ease of operation as per the size of components.



Operation:

Place the object on base plate, By using hand lever operate the power pack to generate the pressure in line to activate the cylinder to transfer the force on Components to be rectified. Don't apply excess force on ridged components.

Precautions:

The press should be placed on level surface before using. Always insure oil Level in Power pack. Check Hose Pipe and its connections. There should not be any leakage.

Battery Charger

for Maintenance Free Batteries Very essential equipment for any service work shop. MF battery charger is designed for 12V Batteries (Maintenance free Type only) and which could be used (Maintenance Free Battery Charger) both for regular charging of service batteries and initial charging of Dry batteries. LED indicator glows when the battery is fully charged and automatically switches over to sustained charging mode. It has a forced recovery function using maximum of 20V/ 200A for a deeply discharged battery that can not be recovered with regular charging. (However, not all the deeply discharged batteries can be recovered) This charger also has a failure inspection function which indicates if the battery can not be charged properly due to short circuit, electrolyte shortage, or sulfating after 30 minutes of inspection time.

Features:

1. New battery mode selection Switch : To be used for Dry battery charging.
2. Used battery mode selection switch : To be used for field return Battery Charging.
3. 2Amp Switch : Selection of 2Amp Current according to the MF battery Type.
4. 4Amp switch : Selection of 4Amp Current according to the MF battery Type.
5. ON/OFF switch : MF Battery Charger ON/OFF
6. Mains Indicator : AC Supply ON Indication (GREEN)
7. Open connection Indicator : Loose connection / Improper Connections Less than 1.5volts battery (RED).
8. Bad Battery Indicator :Indicates that MF battery is not suitable for charging (RED).
9. REV. connection Indicator : MF Battery indicates that Connections are In reverse direction (RED).
- 10.Boost - Indicator :Battery Boost Charging on when the battery <5V (WHITE).
- 11.New battery-indicator : New battery mode charging on (For Dry Battery Yellow)
12. Used battery-Indicator : Used battery mode battery charging on (For field return type battery Blue)
13. Charged-Indicator : Indicates that battery fully Charged & ready to use (Green).



Operation:

All MF Batteries (Dry type/Field return type) indicating on open circuit voltage(ocv) less than 12.4 volts require a charging using MF Battery charger. Follow the charging procedure:- Connect mains lead to a 220V AC power supply and switch ON the main supply. Connect the battery charger leads to the battery terminal(Red lead to positive(+) terminal And Black lead to negative (-) terminal). Switch ON the battery charger main switch, the "GREEN" LED will glow on the battery Charger. If the battery is not connected to the charger prior to switching ON a open circuit "RED"LED will start blinking to indicate a open circuit. Switch OFF the battery charger and connect the battery to the battery charger properly And then switch ON the battery charger. Select and press the button for charging mode as "USED BATTERY" or "NEW BATTERY" New battery for Dry type MF batteries {Batteries that needs on initial electrolyte filling at dealer end (spare parts batteries)} Used battery-Used battery for Wet type MF batteries {Batteries filled with electrolyte & already charged Used in field. Select the maximum charging current "2Amps" or "4Amps" as per below guidelines -For "New battery" mode, please select "2Amps" maximum charging current for all MF batteries. -For "Used battery" mode, please select "2Amps" maximum charging current for 3/4/5Ah MF batteries. -For "4Amps" Maximum charging current for 6 Ah and above. The battery charger detects the battery voltage and if the voltage is less than 5V it will switch over to Boost (20 v/200 mA charging forced recovery mode).-In this step the battery charger detects the battery voltage after every 3 minutes continuously. If the battery voltage is more than 5V it switches over to New battery/ Used battery directly depending on the charging mode ("Used battery" or "New battery") Charging duration in this mode is 30 minutes. -If the battery voltage less than 5V after 30 minutes a "RED" LED indicating a "BAD BATTERY" will glow. This indicates that the battery is not suitable for charging. -If the battery charger switches to New battery/ Used battery the battery would undergo charge for 5 ~10 Hrs. depending on the battery condition After Completion of the battery charging a "GREEN" LED will glow to indicate completion of charging and the battery charger will switch over to "Sustained Charging Mode".

Note:- During charging if the battery is disconnected (by mistake) an AUDIO INDICATOR will beep for 2 minute with a "RED"LED Blinking to indicate a OPEN circuit.

Open circuit "RED"LED Will continue blinking until the battery is connected properly.

Precautions:

Do & Do not Do :-

Battery charging area should be cleaned & well ventilated. Properly clean the battery & terminals, before charging. Ensure AC supply 220V \pm 10% to the charger Clean the battery charger Lead clips & apply white petroleum jelly on Lead clip regularly. Always use the correct rating fuses.

Don't:

Do not short the MF charger leads between Negative& Positive. Prevent the charger from any fluid.Do not disconnect the battery when charging on till charged indication comes.Do not connect the battery in series. Do not charge conventional batteries.

SAFETY

Fuses for short Circuit.

Reverse connection Protection.

Earthlings protection.



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Parts Wa sher

Used for cleaning of dismantled parts thru pressurized cleaning fluid like Kerosene / Diesel.

PU coated structure made up of MS sheet & steel tube. Top cover made of transparent Poly-carbonate sheet.

Equipped with 220V AC 1HP motor.

Built-in cleaning fluid filtration system.

Tank capacity 20Ltrs. Pressure Nozzle with inline nylon wire brush for proper cleaning.



Operation:

Ensure sufficient qty. of Kerosene/diesel is available in tank.

Open the Top Cover & Keep the dirty parts on base frame, replace the cover in its position smoothly.

Switch ON the machine, Kerosene will start flowing thru adjustable nozzles with pressure for optimum cleaning use brush by putting hands inside the sliding windows.

Dirt & sludge will be kept below the specially designed baseplate which can be easily removed after taking out the base plate.

Precautions:

1. Periodically check & keep clean the filter tray.
2. Check for any leakage, if required tighten the joints.
3. Once in 3 months drain out the Kerosene and clean the tank, after filtrations pour the filtered oil back and update the level.

Pneumatic Tools & Accessories

Air Wrench 3/8 Sq Drive (CP-7729) Pneumatic Socket Wrench Set (CP)Air Blow Gun (Legries)Filter Regulator Unit ½” with Gauge (Legries)Lubricator ½” (Legries)PU Recoil Hose 8*12mm for Air Wrench (Legries)PU Recoil Hose 5*8mm for Air Blow Gun (Legries)Quick Release Coupler(QRC) QRC Adopter Spring Balancer Lifting Beil CPS-HooksBrass ConnectorPneumatic Ball Valve



Operation:

Pneumatic Tools facilitates technicians to perform in a batter way to minimize the run down time.A 3/8 inch impact wrench delivers up to 415 ft.-lbs (563 Nm). Of torque .itallows technicians to effortlessly change between forward and reverse with one hand in any position. The three position regulator in forward provides control to prevent over tightening, while full power remains constant in reverse to ensure technicians have the power required to remove weathered and over tightened fasteners.

Precautions:

An impact wrench is a tool that generates a high torque or rotating force. Before commencing work with the impact wrench analyze your work surroundings. If they are dusty, wear a respirator or a face mask to protect yourself. Use the Correct sockets bits. Before using any sockets, make sure that it is compatible for use with impact wrenches. Examine the Impact Wrench and sockets for Damage Before using an impact wrench. Using damaged tools is dangerous, because it could result in serious accidents.Operate the Impact Wrench Properly Never use an impact wrench for tasks that are unsuitable or too complex. Avoid forcing the tool to prevent accidents. Always make sure you have a firm grip on the tool and maintain control over the applied torque. Check recommended torque for the sockets you use. Never change sockets or accessories when the impact wrench is still connected. If the tool turns on by mistake, it can cause grievous injury. Protect the Tool and Accessories Store the impact wrench & sockets in a safe place. Avoid exposing them to excessive sun or rain. Handle the tool and sockets with care, to avoid dropping and damaging them.



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Chain Cleaning & Lubricating Machine

Made of CRC Sheet & Steel Tubes, Powder Coated.

Size : L x W x H - 650x350x1580mm

Unique concept for optimum cleaning and lubrication of drive chains in single operation thru pressurized cleaning fluid like Kerosene.

Built-in Air Line to dry the drive chain after cleaning, equipped with Air regulator & Push Button.

Exclusive double wall Grease Chamber with Heating Element & Heating Oil (Transformer Oil) in outer chamber, temperature is controlled by thermostat for proper melting of grease at Temperature of 100 - 110 C for proper chain lubrication.

Self adjustable mechanism easy to load / Unload chain.

Equipped with 220V AC 1HP Pump. Built-in cleaning fluid filtration system.

Tank capacity : for Kerosene 15Ltr., Heating Oil Chamber 13Ltr.,

Grease Chamber 3Ltr.

Exclusive Sliding Tray for drained Kerosene & Grease. Front cover made of transparent Poly-carbonate sheet.

Control Panel is on Front side for ease in operation.



Operation:

Simple to use, just adjust the panbeneath the engine drain plug &open the Ball Valve fitted in line topass on the waste oil to tank.While transferring the oil to pit / drum keep close the Ball Valve &connect the drain pipe to pit then connect the PU Coil Hose thruQRC to Air Inlet, open Ball Valve slowly to enter the pressurized air Controlled by Pressure Regulator between 0.5 to 1Kg in side the tank to create pressure to take out oil from tank thru Transparent pipe.

Precautions:

Before starting the machine check Kerosene oli, Heating Oil & grease level in respective tank.Do not run heating element without Heating (Transformer) oil in tank.Maintain Temperature 100 ~110 C by adjusting Thermostat Knob fitted on Front Control panel.Check Air line connection for any leakage if required correct it.Check for any leakage of kerosene, Heating oil.Never touch hot chain duringlubricating process always use specially designed hook.Use only recommended Grease supplied by Oil Lube Systems.After cleaning 100 chains, drain out the Kerosene in evening in a clean pan and kept aside till next morning to settle down the dust and dirt.Filter Kerosene before pouring in Kerosene tank and update the level if required.Always keep clean the cleaning chamber with compressed air or clean cloth for longer service life of machine.

www.oillubesystems.com

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