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SIP Medusa T5500 Silenced Diesel Generator 25153



For help or advice please
contact your distributor, or sip
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SAFETY INSTRUCTIONS



Danger / Caution: This image indicates risk of personal injury and/or the possibility of damage.



Warning: This image indicates risk of electrical injury or damage!



Note: This image indicates supplementary information.



Important: Please read the following instructions carefully, failure to do so could lead to serious personal injury and / or damage to the item.

Please read the following instructions carefully, failure to do so could lead to serious personal injury and / or damage to the generator.

When using your generator, basic safety precautions should always be followed to reduce the risk of fire, electric shock, personal injury and / or damage to the item. Save this user manual for future reference.

SIP recommends that this generator should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

Before using your generator it is in your own interest to read and pay attention to the following safety rules.

General Safety Instructions

- Be sure that the generator is properly grounded to an external ground path prior to operation. Refer to the section entitled " Grounding Instructions " for proper grounding procedures.
- Be sure that the generator is operated only by persons who have read and who understand these instructions.
- Be sure that the generator is placed on a flat level surface prior to and during operation. The generator must not slide or shift during operation.

SAFETY INSTRUCTIONS

- Keep all persons away from the generator during operation.
- Do not allow persons wearing loose clothing or jewellery to start or operate the generator. Loose clothing or jewellery may become entangled in moving components, causing equipment damage and/or personal injury.
- Be aware of moving parts and hot surfaces that occur during normal operation of this generator.
- Be sure all devices are switched off prior to connecting them to the generator.
- Be sure that all tools and appliances are in good working order and are correctly grounded.
- Only use devices that have standard plugs; If an extension cable is used, be sure that it has plug/socket for proper grounding.
- Never operate the generator with damaged, broken or missing parts, or with any guards or covers removed.
- Never operate this generator in an explosive atmosphere or near any flammable sources.
- Always operate this generator in a well ventilated area to reduce the risk of suffocation.
- Shut off the generator engine and disconnect the spark plug wire before performing any service or maintenance to the unit.
- Do not operate this generator on wet surfaces or in the rain.
- Do not operate the generator or any electrical items with wet hands.



Caution: anyone who operates this generator should read and fully understand all of the instructions and warnings in this manual.



Electric Shock: There is a very real risk of electric shock if this generator is not used in the correct manner. NEVER Use the generator or anything connected to it in wet conditions.



Hot Surfaces: During normal operation certain parts of this generator will become hot. ALWAYS stay alert and be aware of hot components / surfaces. Allow the engine to cool before attempting to move, clean or maintain the generator.



Poisonous Fumes: Exhaust fumes produced during normal operation are poisonous. Do not operate this generator in enclosed areas.

SAFETY INSTRUCTIONS



Flammable: The fuel used to run this generator (Diesel) is highly flammable. Never re-fuel the generator whilst it is still running. Store unused fuel safely and away from children and in accordance with local regulations / laws.

Refuelling Safety Instructions

- Do not refill the fuel tank while the engine is running.
- Be careful to prevent fuel spillage during refills.
- Be sure the fuel tank cap is securely in place before starting the engine.
- Allow engine to cool for at least two minutes before refuelling.
- Never refuel whilst smoking or in the vicinity of a naked flame.
- Take care not to spill any fuel on the engine, exhaust or any part of the generator. Should any fuel make contact with your clothes; change and wash them immediately.
- If any fuel makes contact with your skin wash with soap and water immediately.
- If you swallow any fuel, inhale any vapour or allow contact with your eyes, seek medical attention immediately.
- Be sure to store diesel in clean containers that do not contain water, dirt or rust because this will reduce the life of the engine; ensure that all local fuel storage laws are followed.



Caution: Never attempt to connect the generator directly to the electrical system of any building / structure which is connected to the main grid.

Electrical current from the generator may “back feed” into the home’s electrical system. It could cause damage or fire to the building, the generator as well as anything connected to it. Should a generator be required to be connected to any electrical system, it must be installed by a suitably qualified electrician who can warn you of any dangers that may occur.

Incorrectly installed generators can also cause personal injury. For example, if a power company employee is working on an electrical line believing it to be “dead” and current created by the generator is in the line, shock or electrocution may occur. The key to better safeguard against these dangers is professional installation by a qualified electrician and the installation of a generator transfer switch.

Keep in mind a generator burns fuel and must be run in a well ventilated area, it must not be run in a garage or other outbuilding.

Cords used to connect the generator to the lights and appliances must be correctly sized to prevent overheating or damage to the equipment as well.

SAFETY INSTRUCTIONS

Grounding Instructions

1. Use the ground terminal on the generator to connect the unit to a suitable ground source. Securely fasten the end terminal of the ground wire to the ground terminal on the generator.
2. The ground wire should be made of more than 6 square millimetre wire. Too thin wire may not provide an adequate ground path.
3. The other end of the ground wire must be securely fastened to an approved ground source. Refer to the local regulations for ground source information. If not sure of regulations or procedures, obtain assistance from a qualified (licensed or certified) electrical technician.



ELECTRICAL CONNECTIONS

Connecting Tools To The Generator

This generator is fitted with 1 x 230v 32A & 1 x 110v 32A type sockets. Inspect them, and anything to be connected to the generator, to ensure that no damage is present before every use. If any damage is visible have the socket / equipment inspected / repaired by a suitably qualified person.

The wires in the sockets are coloured in the following way:

Yellow / Green	Earth
Blue	Neutral
Brown	Live

Ensure any plug / equipment to be connected to the generator is also wired in the same way.

The 32 plugs will be marked L1 - Live (Brown), N - Neutral (Blue) & Earth (Ground Symbol) - Yellow & Green Always secure the wires in the plug terminal carefully and tightly. Secure the cable in the cord grip carefully.

This generator is fitted with a 12v 6A DC connection. This can be used as a DC power supply or battery charging, the output current is unregulated. This socket may not charge / recognize all batteries.



Electric Shock: Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved plug with the correct rated fuse for the equipment. If in doubt consult a qualified electrician.



NOTE: If an extension lead is required in order to reach the generator; ensure that this too is rated for the correct voltage and current along with the cross section.

GUARANTEE

This item is covered by a 24 month or 1000 working hours parts and labour warranty - whichever comes first.

The warranty period is based on a single shift work pattern i.e. 8 hours daily

The warranty covers failures due to manufacturers defects only. This does not cover failure due to misuse or operating the item outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges Including, but not limited to parts, labour and carriage costs.

Consumable items such as air filters, oil filters, fuel filters, oil etc are not covered by the warranty.

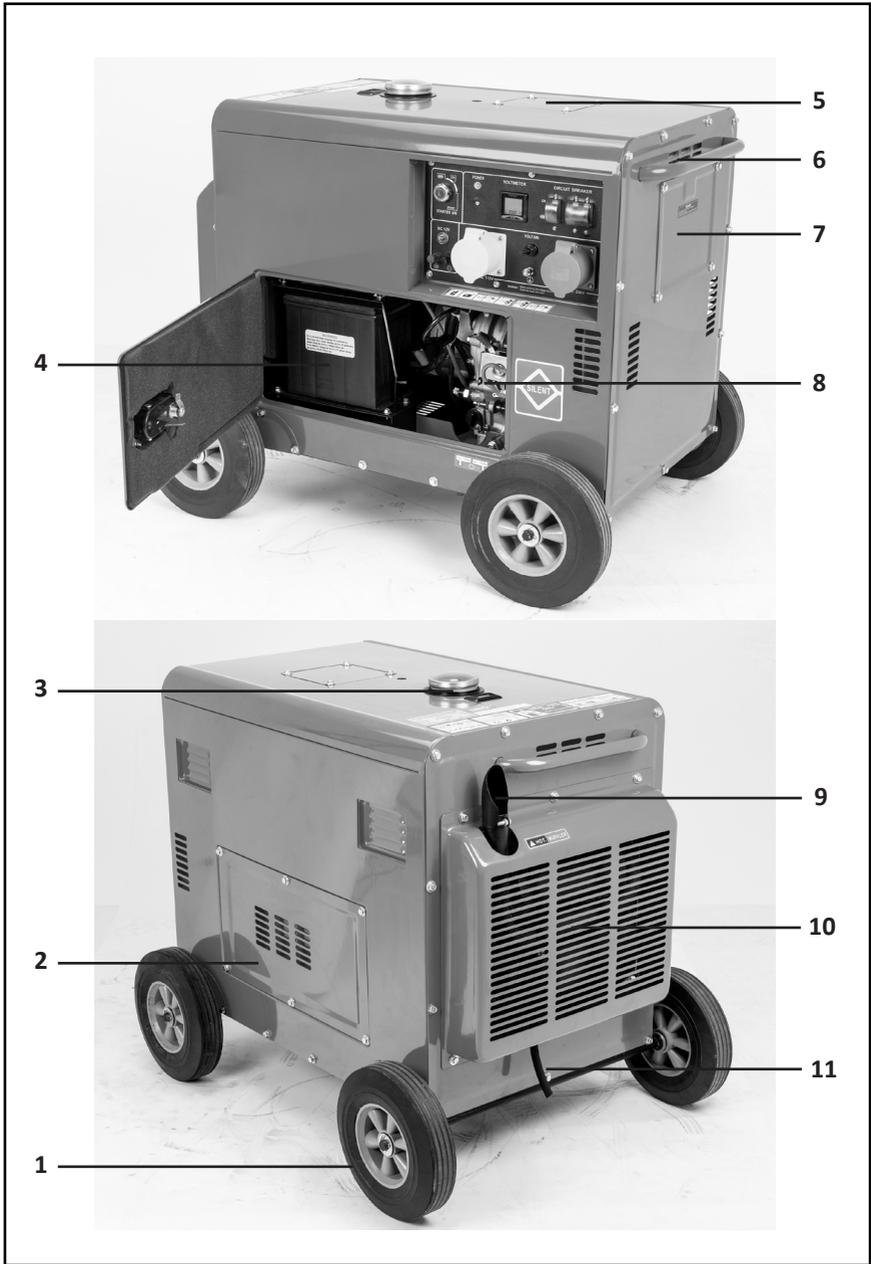
The generator must have a engine oil and filter change after the first month or 20 hours of use to qualify for the full warranty period - failure to do so will invalidate any warranty.

Refer to Page.21.

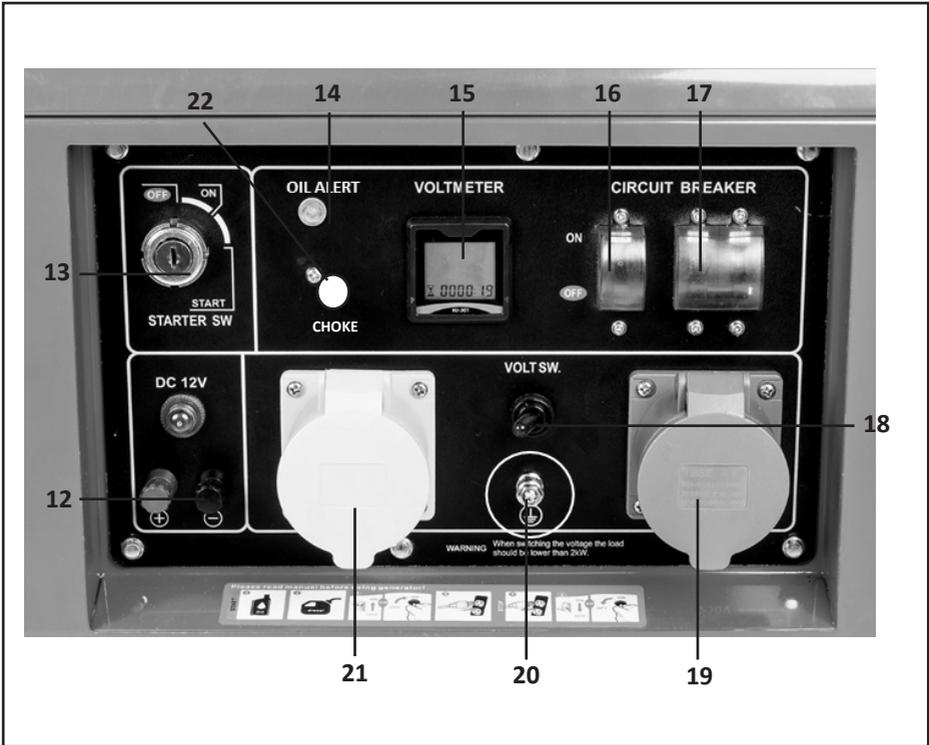


NOTE: Proof of purchase will be required before any warranty can be honoured.

YOUR GENERATOR



YOUR GENERATOR



Item No.	Description	Item No.	Description
1.	Wheel	12.	DC Connection
2.	Side Engine Access Panel	13.	Ignition Switch
3.	Fuel Cap	14.	Oil Alert
4.	Battery 12v 36Ah	15.	Voltmeter / Hour Meter
5.	Top Engine Access Panel	16.	On/Off Switch
6.	Push Handle	17.	AC Circuit Breakers
7.	Air Filter Access Panel	18.	Socket Selector Switch
8.	Run/Stop Lever	19.	230V Socket
9.	Exhaust Pipe	20.	Ground
10.	Exhaust Air Vent Cover	21.	110V Socket
11.	Fuel Tank Breather Pipe	22.	Choke

TECHNICAL SPECIFICATION

Model No.	25153
Engine Type	EURO 5 Diesel 0.456L, 4-stroke, Single Cylinder, Air Cooling, Direct Injection.
Start System	Electric Start
Alternator	Single Phase A.C. Generator, Brushed with AVR (Automatic Voltage Regulator)
Peak Output	5.5 KW 230v / 3.8KW 115v
Continuous Output	5.0 KW 230v / 3.5KW 115v
AC Voltage	1 x 230V 24A / 1 x 115V 30A ~ 50Hz
DC Voltage / DC Current	12V / 6A
Fuel Capacity	12.5 L
Operation Capacity	6 - 7 Hrs.
Oil Capacity	1.5 L
Protection Class (IP)	IP23M
Battery Specification	12V 36Ah
Power Factor	1.0
Performance Class	G1
Min. / Max. Working Temperature	-5 / +40
Max. Altitude	1000 meters
Sound Power (LWA)	97 dB(A)
Dimensions	930L x 690W x 795H
Weight	NW156 Kg

OPERATING INSTRUCTIONS

Contents & Accessories

- Main Generator Unit
- Instruction Manual
- Tool Kit
- 4 x Wheel
- 4 x Split Pins
- 8 x Washers
- 2 x Ignition Keys

Start Up Preparation

Visual Inspection

- » Inspect the generator and check all connections.
- » ALWAYS check that no damage is present and that everything is tight and secure.
- » Turn all the switches and breakers off before carrying on with any other operations.
- » Unplug all the devices so there is no load in the generator.

Fuel / Refuelling

- » Remove the fuel cap.
- » Fill the tank with diesel checking fuel gauge so it does not overflow. Leave a small air gap at the top.
- » Wipe up spilled fuel before starting the machine.
- » Close the fuel tank cap. Be sure fuel cap is secure.



NOTE: Use only clean, fresh, regular approved diesel/kerosene fuel for this machine. Never use "bio diesel" or fuels such as gasoline, benzene, paint thinners, or other oil compounds.



Caution: Never fill the fuel tank indoors. Always fill the tank outdoors and make sure the generator is placed on flat ground when fuelling. Never overflow the fuel tank.



Caution: Never refuel this generator while it is hot or operating, fire or explosion could result.

OPERATING INSTRUCTIONS

Checking and filling the engine with oil

- » Open the access panel in order to get access to the oil gauge (dipstick). Fig.1
- » Unscrew the oil gauge and check the oil. Checks should be carried out before each operation to ensure the oil is between the lower and the upper level mark. If not, follow the next steps. Fig.2
- » Use the bore as an inlet and fill the sump with SAE 10W30 / SAE 10W40 4-stroke engine oil. Fig.3
- » Turn the oil gauge clockwise to fully tighten.



NOTE: When checking the oil level. Always ensure that the generator is placed on a firm level surface. Generator is shipped without any oil from new.



NOTE: This generator IS fitted with an oil level safety switch - check oil level before each use. Otherwise, the machine will not start.



Caution: Be sure oil level is maintained. Failure to do so will invalidate any warranty you may have.

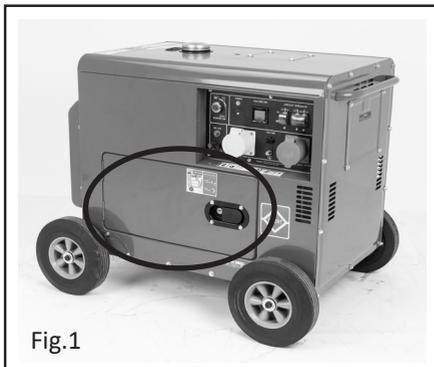


Fig.1

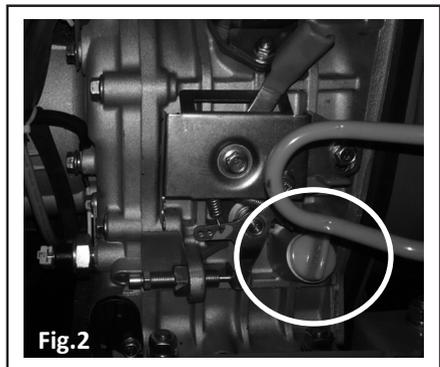
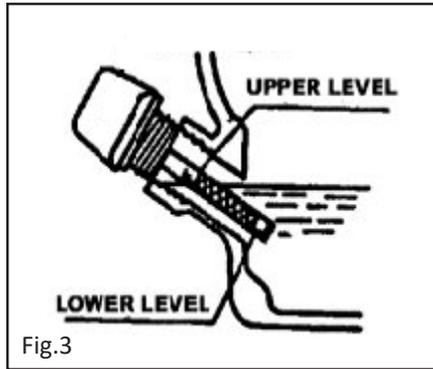


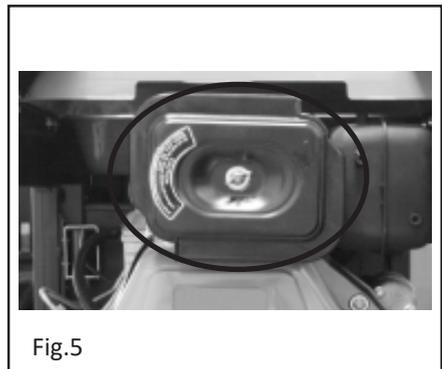
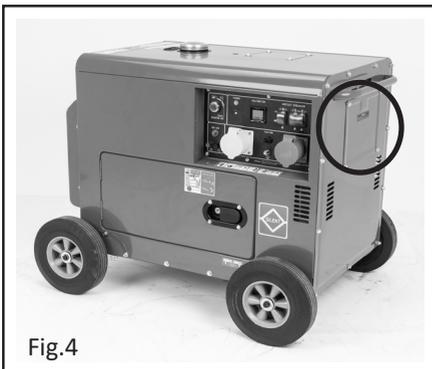
Fig.2

OPERATING INSTRUCTIONS

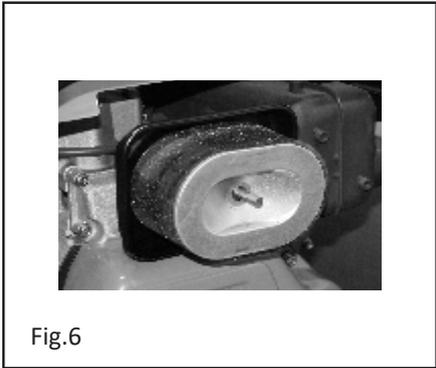


Checking the air filter

- » Open the air filter access panel in order to get access to air filter. Fig.4
- » Remove the air filter cover by turning it. Fig.5
- » Check the filter is clean and correctly placed. Fig.6
- » If the air filter is damaged or dirty, contact your local distributor to purchase a replacement.
- » Put the filter back into its original position and refit the air filter cover. Ensure everything is back correctly and tight.



OPERATING INSTRUCTIONS

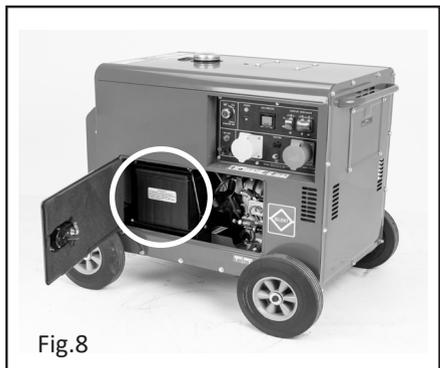
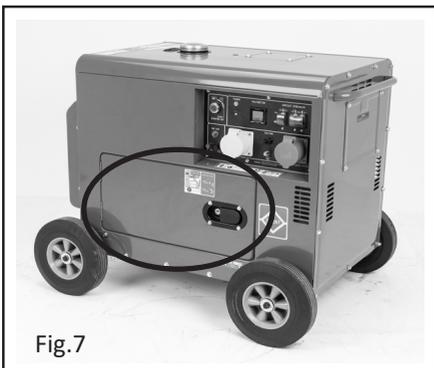


Battery

- » Open the access panel in order to get access to the battery. Fig.7
- » Make sure battery is not damaged and is not leaking. If battery shows signs of damage or leaking – DO NOT use and replace it.
- » Check that the voltage is correct every month by using a voltmeter. Check if the voltage is 12.3V or higher, if lower, the battery must be charged.
- » Connect the generator leads and ensure that the battery's polarity is the same as the generator's battery leads - Black = negative, Red = positive.
- » Tighten the battery holder and make sure everything is in place. Fig.8



Caution: Wear acid-resistant goggles/face shield, gloves, and if available, an apron, when recharging or handling lead-acid batteries.



OPERATING INSTRUCTIONS

Start Up and Operation

Starting

1. Turn the AC switch to the 'OFF' position. Fig.9
 2. Make sure that the machine has got fuel and engine oil before operation.
 3. Make the engine run lever is in the 'RUN' position. Fig.10
 4. Turn the starting key clockwise to the 'START' position. Fig.12
 5. Remove your hand from the key as soon as the engine starts. Although the key has to remain in the 'ON' position.
 6. Run machine for two minutes before applying any load.
- » If the engine does not start after 10 seconds, wait 15 seconds before trying again. Excessive start attempts will cause the battery to flatten.
- » If it does not start after 3 attempts, check that the fuel system is fully primed. This is done by releasing the pipe clip, on the diesel fuel line, connected to the injector pump and slowly releasing all air until fuel appears.



Fig.9



NOTE: Do not loosen or re-adjust either the engine speed limiting bolt or the fuel injection limiting bolt as this will cause the performance of the generator to be affected. The warranty will be invalid.

OPERATING INSTRUCTIONS

AC Load

1. Turn the AC switch to the 'ON' position along with the circuit breakers. Fig.13
2. Use the 'Socket Selector' to choose the desired socket. You can choose the 32A / 110V (yellow) socket or the 32A / 230V (blue) socket. Fig.11
3. Before connecting any load to the machine, make sure the voltage is reading $\pm 5\%$ of the voltage selected.
4. Turn the AC switch to the 'OFF' position along with the circuit breakers. Fig.13
5. Plug the machine / equipment into on the selected socket. Make sure the machine is off.
6. Turn the AC switch to the 'ON' position along with the circuit breakers. Fig.13
7. Switch the machine on and ensure everything is working correctly.
8. The generator is fitted with a digital hour meter. Fig.14



NOTE: When switching the voltage, the load must be lower than 2KW. When applying load make sure it is lower than the rated output (Amps / kw) for each voltage range.



Fig.11

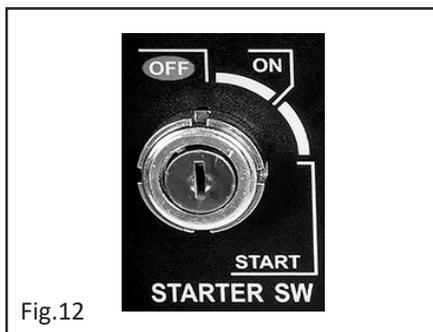


Fig.12

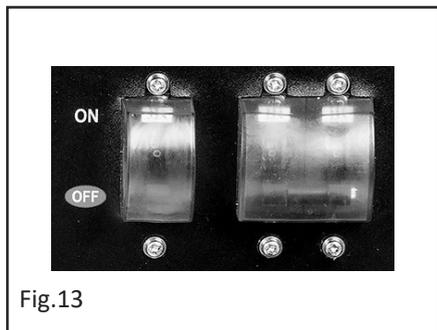


Fig.13

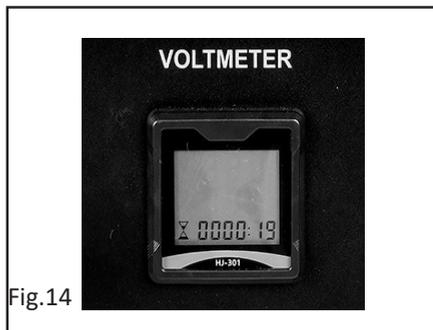


Fig.14

OPERATING INSTRUCTIONS

DC Load

The terminal should be used only for charging 12V AGM car batteries or similar.

1. Switch 'OFF' the engine.
2. Make sure the AC switch is turned to the 'OFF' position along with the circuit breakers. Fig.13
3. Connect the DC leads to the generator and the positive pole (+) of the battery. Do NOT connect the negative pole (-) yet.
4. Start the generator.
5. Connect the negative pole (-) to the battery.



NOTE: Ensure the leads are connected correctly / matching the right polarity and do not allow any of the cables to touch each other. The DC output is unregulated and will provide a constant 6A.



Caution: Do not attempt to start the engine whilst the generator is still connected to the battery.



Caution: Do not use AC and DC output at the same time.



Fig.15

OPERATING INSTRUCTIONS

Stopping the machine

1. Switch 'OFF' the equipment connected to the generator.
2. Turn 'OFF' the main switch and the AC circuit breakers (if applicable). Fig.16
3. Run the generator for a minute without any load.
4. Turn the key to the 'OFF' position.
5. Take the key out of the ignition switch.



Fig.16



NOTE: Disconnect the negative pole of the battery if the generator is not going to be used for any length long time.



If the generator is not used for any length of time place the STOP lever in the off postion.
Fig.17

MAINTENANCE



NOTE: Any repairs / adjustments should only be attempted by a suitably qualified person; if you are unsure call the help-line number on the back page for your nearest technician.

Before carrying out any maintenance operation, always unplug the machine and allow to cool down.

Periodic Checks and Maintenance Schedule

Periodic checks and maintenance are very important in order to keep the generator in good condition and working under specifications.

	Daily	First month or 20 Hrs.	Every 3 months or 100 Hrs.	Every 6 months or 300 Hrs.	Every year or 1000 Hrs.
Check Fuel Level	X				
Drain Fuel Tank		X			
Check Engine Oil	X				
Check for Leaks	X				
Visual Inspection	X				
Tighten Parts	X				
Change Engine Oil		X	X		
Change Oil Filter		X		X	
Change Air Filter				X	
Check Fuel Filter				X	
Check Injection Pump and Nozzle				X	
Check Fuel Pipe				X	
Check Battery			X		
Valves Adjustment					X

MAINTENANCE

Changing the Engine Oil

1. Open the access panel in order to get access to the oil gauge (dipstick) and drain bolt. Fig.18
2. Unscrew the dipstick and place it in a clean surface.
3. Get your oil collection system ready and unscrew the drain plug. Fig.19
4. Once the all used oil is out of the engine, screw the drain plug back in. Use the oil filler bore to fill the sump with SAE 10W30 / SAE 10W40 4-stroke engine oil. The oil level should be between the lower and the upper level mark of the dipstick.
5. Turn the oil gauge (dipstick) clockwise to fully tighten.



NOTE: The engine should be warm when draining the oil. Make sure it is done carefully avoiding any contact with hot components.



Fig.18

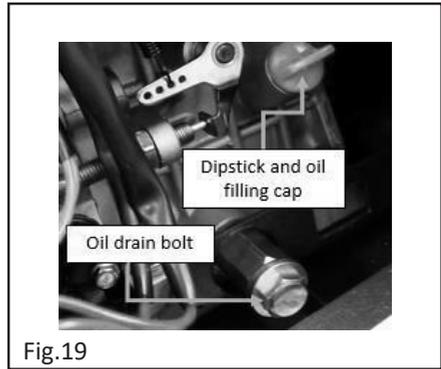


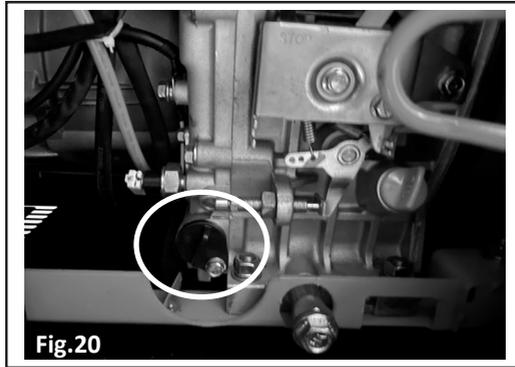
Fig.19

Changing the Oil Filter

1. Once the sump is empty of oil.
2. Unscrew the bolt which holds the oil filter and dispose of it correctly. Fig.20
3. Fit a new filter and secure in place.



NOTE: Contact SIP customer service for spare parts.



Changing the Air Element

Follow the instructions on page 15 to know how to *check the air filter*.

Changing the Fuel Filter

The fuel filter needs to be cleaned regularly to ensure a good performance of the engine.

- Drain all the fuel out of the tank.
- Loosen the screws of the cock valve and pull out the filter. Replace with a new one and follow the steps previously.

Long Term Storage

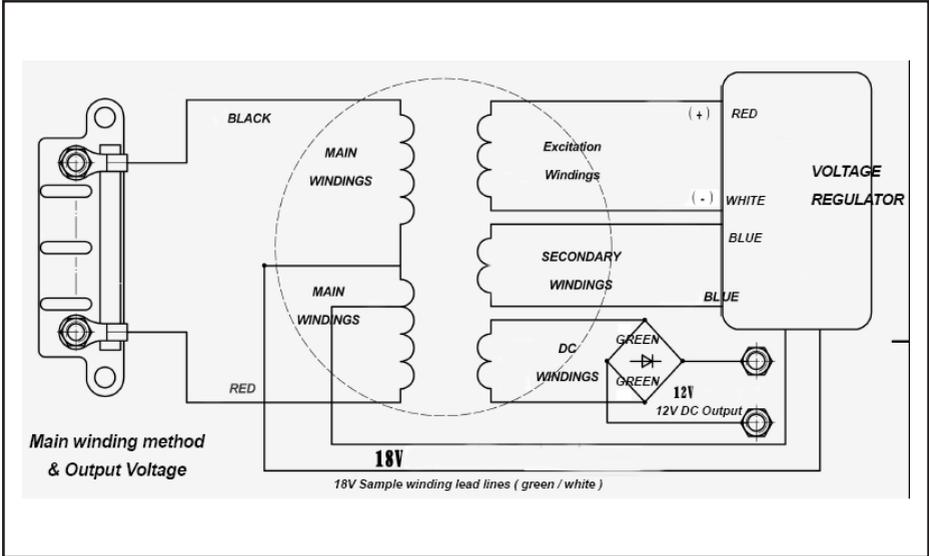
- Operate the engine for a few minutes and stop it to drain the oil.
- Drain the fuel tank completely.
- Clean the generator with a damp cloth.
- Place it on a flat surface.
- Store in a dry location out of direct sunlight.

TROUBLESHOOTING

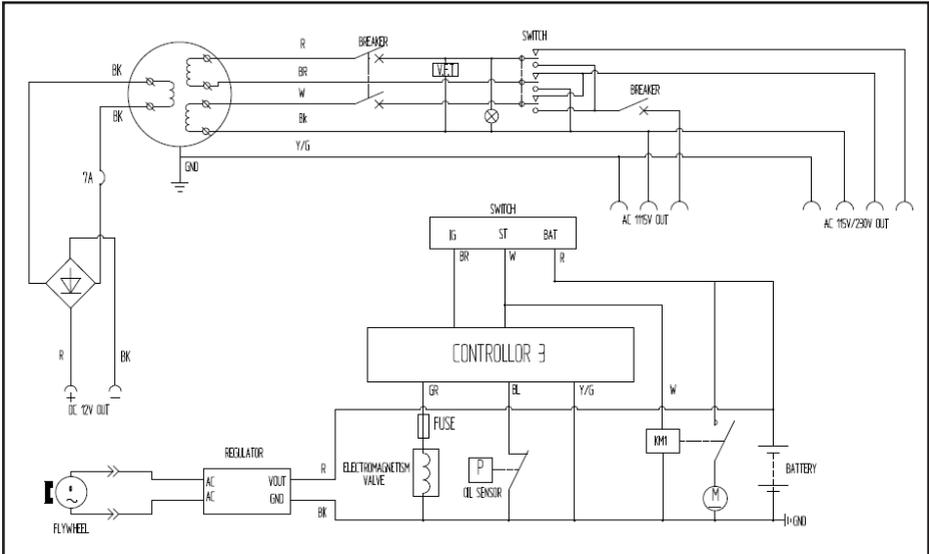
FAULT	CAUSE	REMEDY
Diesel engine does not start	The governor lever is not at RUN position	Set lever to RUN position
	Insufficient fuel	Refill with fuel
	Fuel injection pump does not deliver fuel or delivers insufficient fuel	Remove the injector pump and have it tested
	Check the engine oil level	The specified oil level should be to the upper lever
	The injector has severe carbon build-up	Clean the injector
	The start motor turns slowly	Check battery performance and all connections
	The battery is flat	Charge or replace with a new one
The generator is not producing any power	Main breaker switch has not been turned ON	Turn the main breaker to the ON position
	Alternator brushes worn	Inspect the brushes
	The contact in the socket is not good	Make sure plugs are fully inserted into sockets
	The rated speed is too HIGH or too LOW	Check engine speed;it should produce 52 Hz with no load
	AVR is damaged	Replace AVR

WIRING DIAGRAM

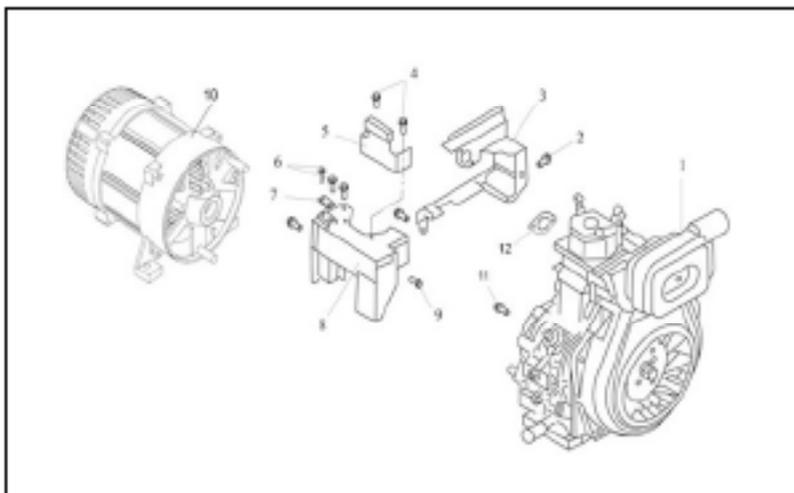
Alternator



Panel

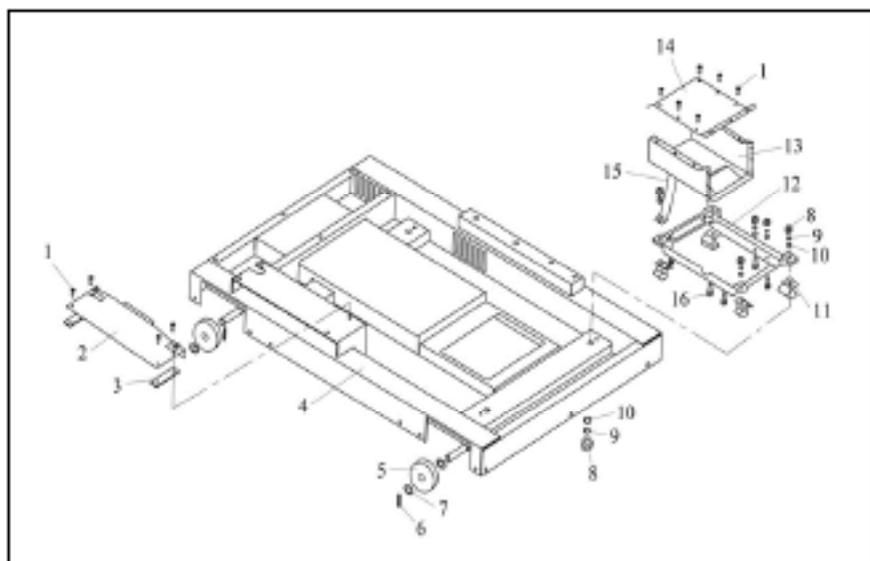


PARTS LIST & DRAWING



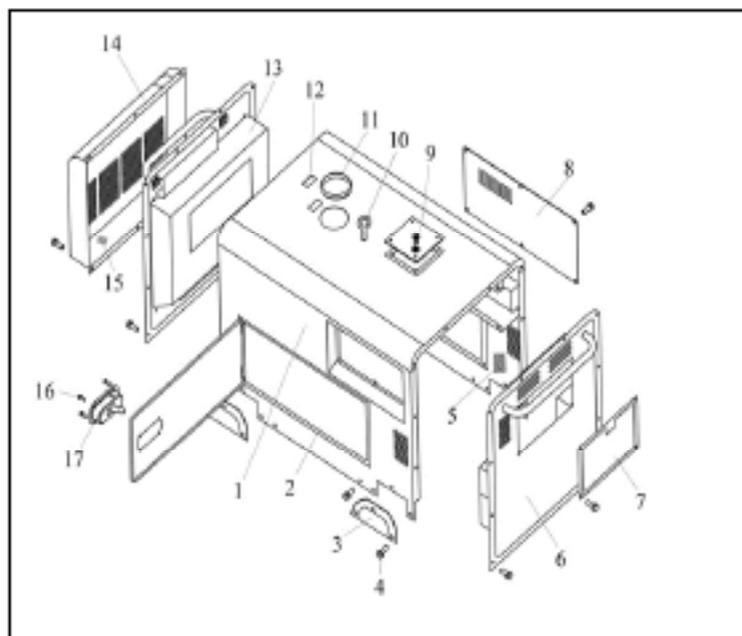
Item	Description	Qty
1	Diesel Engine	1
2	Bolt M8*16	2
3	Front Air Cover	1
4	Bolt M8*16	2
5	Buffer Support Assy	1
6	Bolt M6*22	2
7	Fuel Pipe Pressure Plate Assy	1
8	Rear Air Cover	1
9	Bolt M6*12	3
10	Alternator 100v / 230 v Single Phase 50Hz	1
11	Bolt M8*30	4
12	Exhaust Gasket	2

PARTS LIST & DRAWING



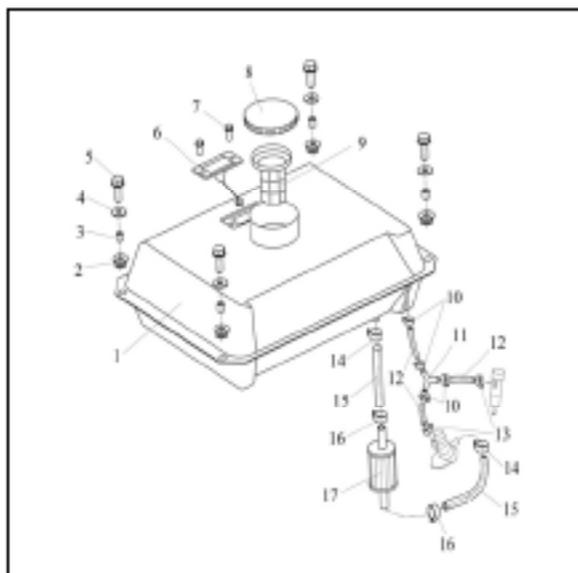
<i>Item</i>	<i>Description</i>	<i>Qty</i>
1	Bolt M8*12	13
2	Battery Support	1
3	Battery Support Washer	2
4	Chassis	1
5	Wheel	4
6	Cotter Pin 3*30	4
7	Washer 12	8
8	Nut M10	14
9	Spring Washer 10	14
10	Flat Washer 10	18
11	Rubber Mount	4
12	Housing Base	1
13	U-groove	1
14	U-groove Cover	1
15	U-groove Support	1
16	Bolt M10*45	8

PARTS LIST & DRAWING



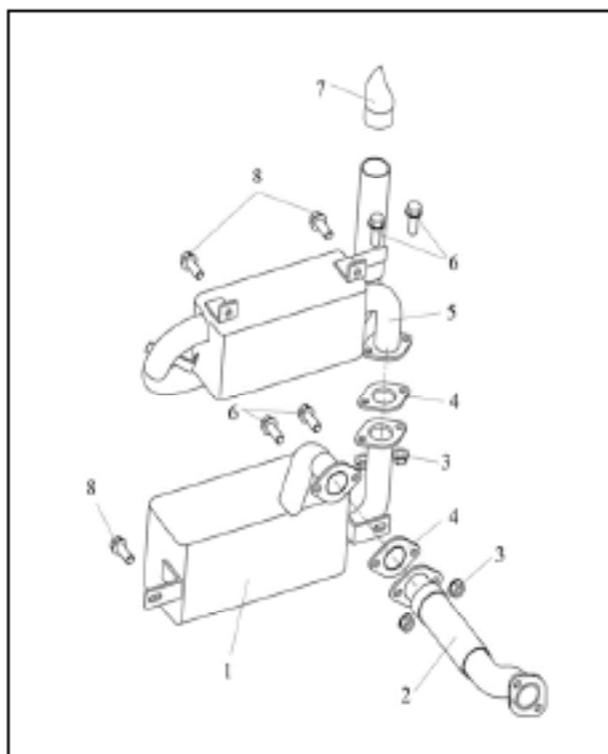
Item	Description	Qty
1	Housing	1
2	Door Seal	1
3	NA	4
4	Bolt M6*16	58
5	Sponge	1
6	Right Side Plate	1
7	Air Cleaner Cover	1
8	Rear Plate	1
9	Inspection Cover	1
10	Lifting hook	1
11	Fuel Tank Vent Cushion	1
12	Glass / fuel gauge	1
13	Left side plate	1
14	Muffler Cover	1
15	Heat Protection	1套
16	Screw M5*12	4
17	Lock	1

PARTS LIST & DRAWING



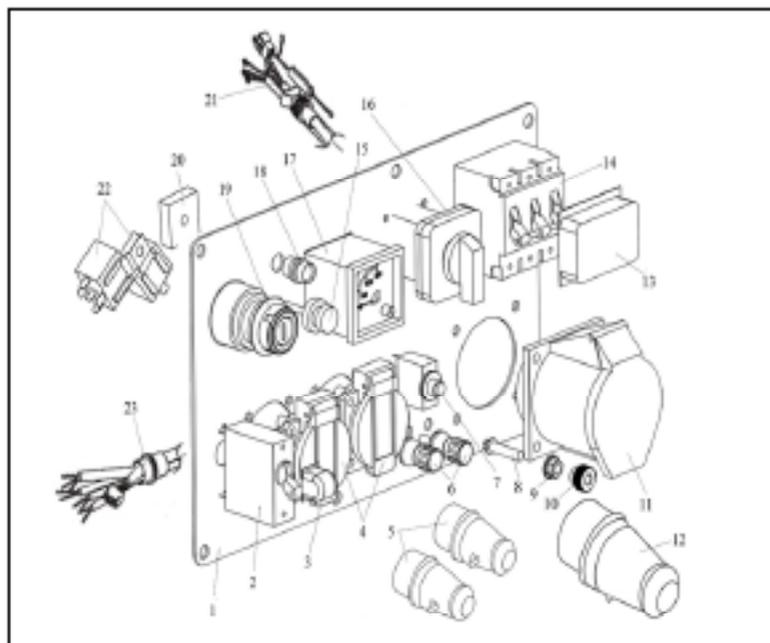
<i>Item</i>	<i>Description</i>	<i>Qty</i>
1	Fuel Tank	1
2	Rubber Insert	4
3	Sheath	4
4	Washer 6	4
5	Bolt M6*25	4
6	Fuel Indicator Assy	1
7	Screw 8F14	2
8	Fuel Tank Cap	1
9	Fuel Filler	1
10	Clip 60	4
11	T-junction	1
12	Oil Return Pipe	3
13	Clip 68	2
14	Clip 6 13	2
15	Fuel Pipe	2
16	Clip 612	2
17	Fuel Filler	1

PARTS LIST & DRAWING



<i>Item</i>	<i>Description</i>	<i>Qty</i>
1	One-lever Muffler Assy	1
2	Exhaust Pipe Assy	1
3	Nut M8	4
4	Exhaust Pipe Washer	2
5	Second-lever Muffler Assy	1
6	Bolt M8*25i	4
7	End Gas Outlet Hose	1
8	Bolt M8*18	4

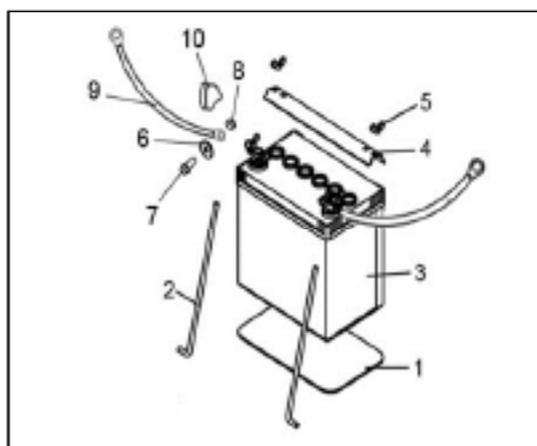
PARTS LIST & DRAWING



<i>Item</i>	<i>Description</i>	<i>Qty</i>
1	Control Panel	1
2	Magnetic Circuit Breaker	1
3	Waterproof Cover	1
4	32A 110V Socket	1
5	32A 110V Plug	1
6	DC Connectors	2
7	Overload Switch	1
8	Bolt M3*22	1
9	Nut M8	1
10	Grounding Screw Cap	1
11	32A 230V Socket	1
12	32A 230V Plug	1

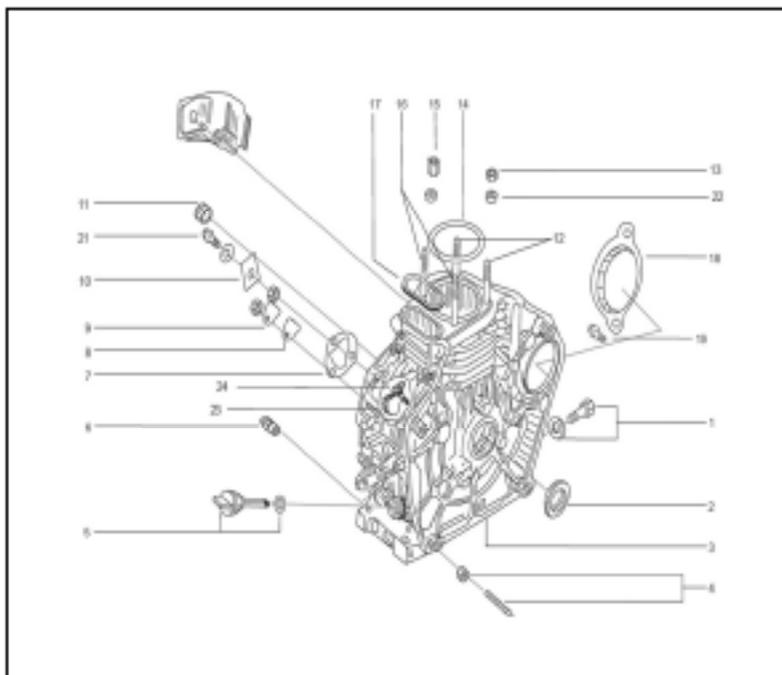
PARTS LIST & DRAWING

13	Waterproof Cover	1
14	Magnetic Circuit Breaker	1
15	Pressure Relief valve / Choke	1
16	Switch	1
17	Voltmeter 0-430V	1
18	Oil Pressure Indicator	1
19	Starting Key	1
20	Rectifier Bridge	1
21	Circuitry Setting Sheath	1
22	Relay	2
23	Wiring Harness Setting Sheath	1



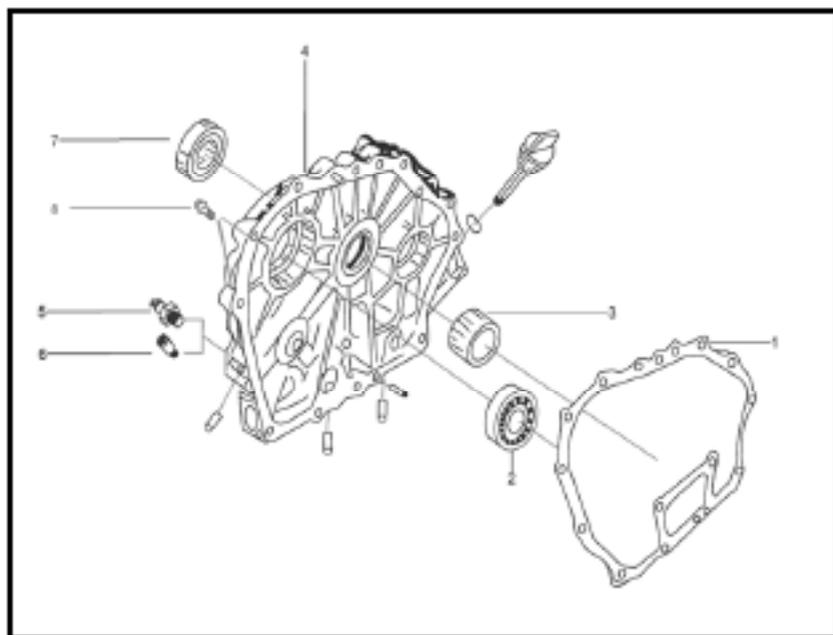
Item	Description	Qty
1	Rubber Mat	1
2	Hook Bolt	2
3	Battery 36AH 12V	1
4	Fixing Plate for Battery	1
5	Butterfly Nut	2
6	Washer Ø	2
7	Bolt M8*14	2
8	Nut M8	2
9	Battery Wiring Cable	2
10	Protection bush	2

PARTS LIST & DRAWING



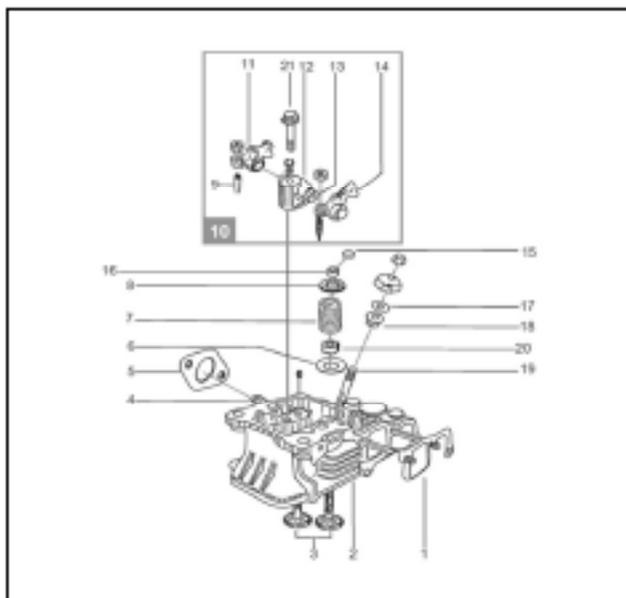
Item	Description
1	Oil drain plug with gasket
2	(front and rear) Oil seal set
3	Cylinder block / Crankcase housing
4	Fuel controller bolt + nut
5	Oil dipstick with gasket/seal
6	Needle bearing 7941/8
7	Fuel injection pump adjusting gasket, thickness 0.1mm
8	Fuel pump hole gasket/Fuel pump sealing plate gasket
9	Fuel pump sealing plate
10	Thrust plate
11	Needle bearing 7941/15
12 & 16	Cylinder head stud set (short + long bolts
14	Cylinder head gasket (0.4mm)
16	Rectangle ring gasket
N/A	Complete gasket set

PARTS LIST & DRAWING



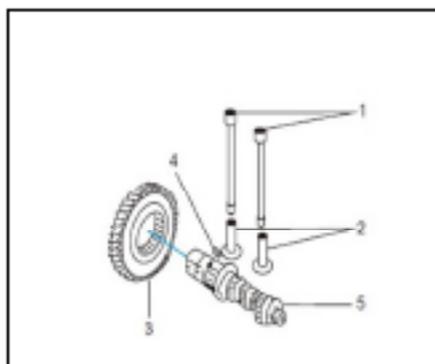
<i>Item</i>	<i>Description</i>
1	Crankcase cover gasket
2	Camshaft bearing 6205
3	Main Bushing
4	Crankcase cover
5	Oil sensor
6	Oil Sensor Plug

PARTS LIST & DRAWING

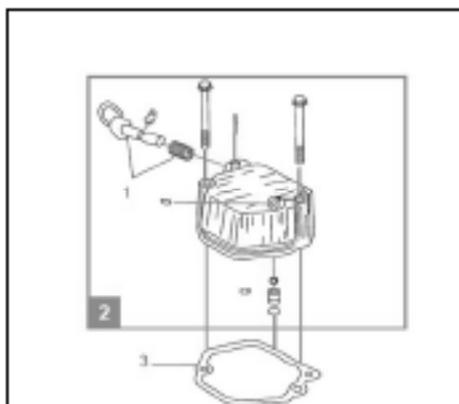


<i>Item</i>	<i>Description</i>
1	Air intake gasket
2	Cylinder Head (without fittings)
3	Intake and exhaust valve set
4	Stud AMB=36 (GB899)
5	Muffler gasket
6	Valve spring gasket
7	Valve spring
8	Valve spring seat
10	Valve rocker arm assembly
15	Valve adjusting cushion
16	Valve returning clip
17	Fuel injector adjusting washer 0.3/0.4/0.5MM
18	Fuel injector insulator
19	Double ended bolt AMG=50
20	Valve Conduit Oil Seal

PARTS LIST & DRAWING

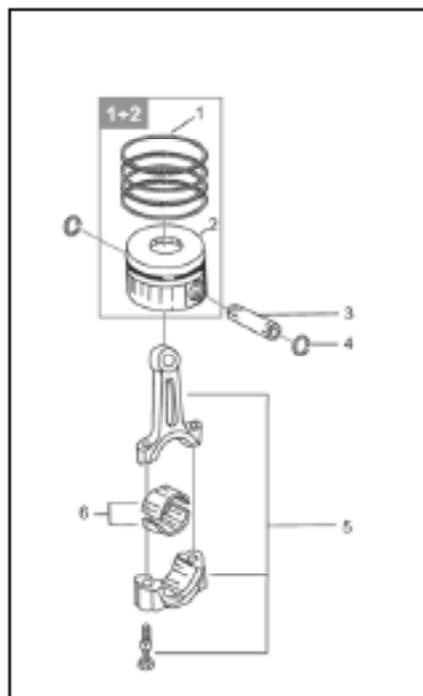


<i>Item</i>	<i>Description</i>
1	Valve push rod set
2	Valve tappet set
3	Camshaft timing gear
4	Key 5x14 for camshaft
5	Camshaft
3+4+5	Camshaft assembly



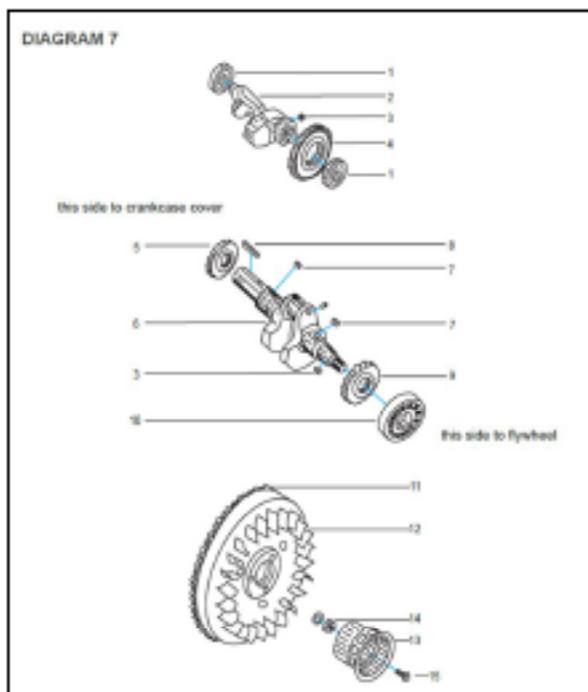
<i>Item</i>	<i>Description</i>
1	Decompression handle
2	Cylinder head cover
3	Cylinder head cover gasket

PARTS LIST & DRAWING



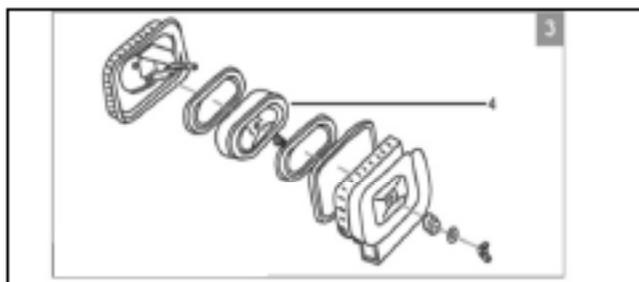
<i>Item</i>	<i>Description</i>
1	Piston ring set
2	Piston
3	Piston pin
4	Retainer clip of Piston pin $\phi 19$
5	Connecting rod body
6	connecting rod bearing (copper bushing)

PARTS LIST & DRAWING

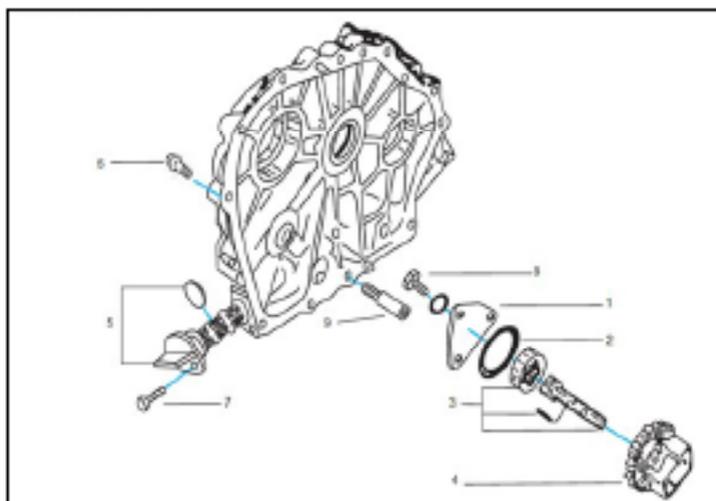


Item	Description
1	Balance shaft Bearing 6202
2	Balance Shaft
3	Key 5x7 for Balance shaft
4	Balance Shaft Gear
5	Crankshaft timing gear
6	Crankshaft (keyway type, shaft diameter 20mm)
7	Key 5x12 for crankshaft
8	Key set for engine
9	Crankshaft Driving Gear
10	Crankshaft bearing E306
11	Flywheel gear ring (for electric starter)
12	Flywheel
13	Starter Pulley
14	Flywheel nut and gasket

PARTS LIST & DRAWING

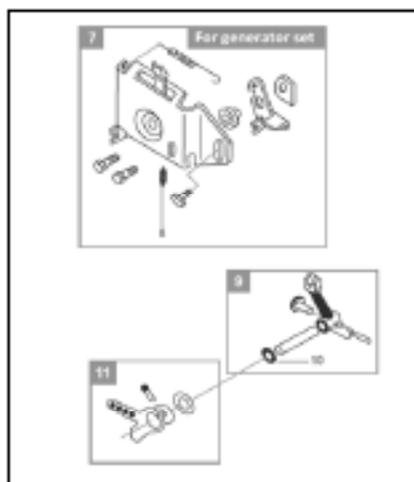


<i>Item</i>	<i>Description</i>
4	Air filter element
11	Air filter gasket (Dry type)
12	Air intake

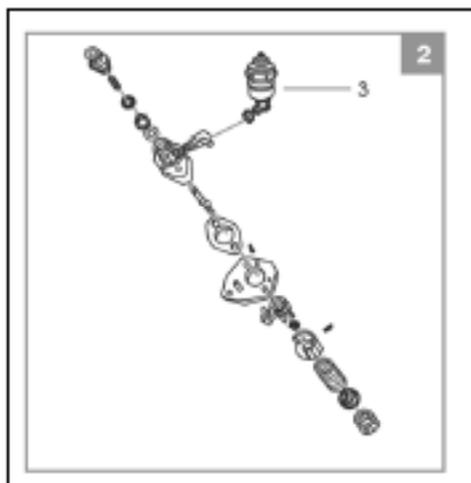


<i>Item</i>	<i>Description</i>
1	Oil pump cover
2	O ring for oil pump
3	Oil Pump
4	Oil pump driving gear
5	Oil filter and O-ring Seal set

PARTS LIST & DRAWING

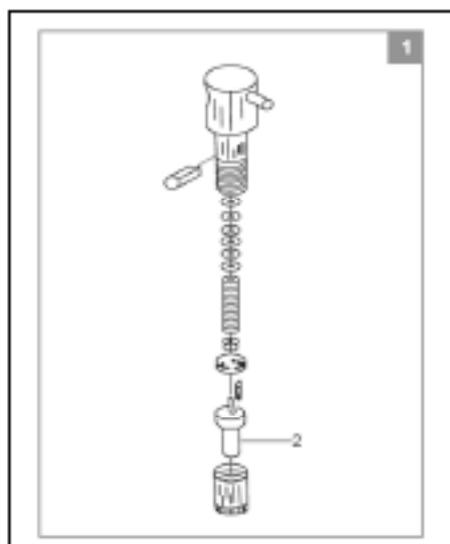


<i>Item</i>	<i>Description</i>
7	Speed control assembly
9+10+11	Fork lever set (with oil seal and bearing)

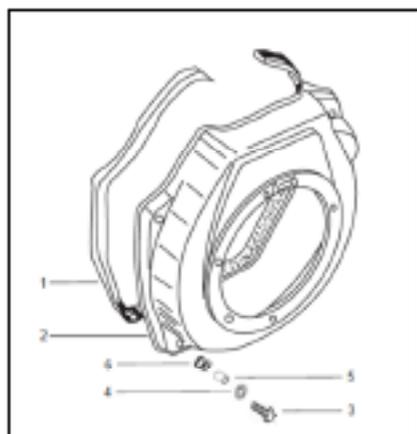


<i>Item</i>	<i>Description</i>
2	Fuel injection pump (with electromagnetic valve)
3	Solenoid valve (Electromagnetic)

PARTS LIST & DRAWING

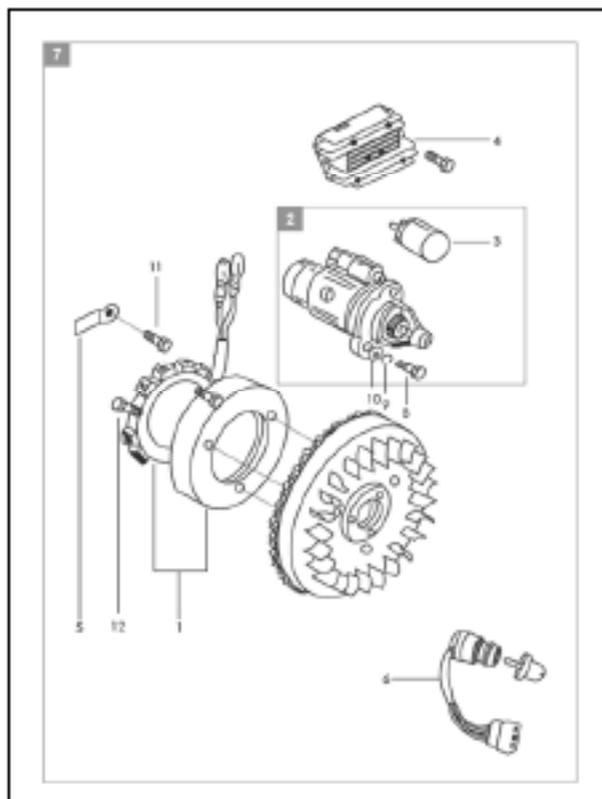


<i>Item</i>	<i>Description</i>
1	Fuel Injector
2	Fuel injector nozzle



<i>Item</i>	<i>Description</i>
1	Shockproof pad
2	Fan case cover

PARTS LIST & DRAWING



<i>Item</i>	<i>Description</i>
1	Flywheel alternator
2	Starting Motor Assem. 0.9KW
3	Starting Motor Relay
4	Voltage Regulator
6	Starting Key Assem.
7	Electric starter complete set

Declaration of Conformity

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer within the UK, England, Scotland & Wales,
declare that the

SIP Medusa T5500 Silenced Diesel Generator - SIP Part No. 25153

Conforms to the requirements of the following regulation(s), as indicated.

Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
Regulations 2012
Supply of Machinery (Safety) Regulations 2008
Electrical Equipment (Safety) Regulations 2016
Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001

And the relevant harmonised standard(s), including

BS EN 55014 - 1: 2017
BS EN 55014 - 2: 2015
BS EN 61000 - 3 - 2: 2014
BS EN 61000 - 3 - 3: 2013
BS EN 60335-2-102: 2016
BS EN 60335-1: 2012+A11: 2014+A13: 2017
BS EN 62233:2008
BS EN ISO 8528-13:2016
BS EN 55012:2007+A1:2009
BS EN 61000-6-1:2019
BS EN ISO 3744:1995
BS EN ISO 12100:2010



Signed:

Mr P. Pippas - Managing Director - SIP (Industrial Products) Ltd

Declaration of Conformity

We

SIP (Machinery Europe) Ltd
ASM Chartered Accountants
First Floor Block One
Quayside Business Park
Dundalk
County Louth
Republic of Ireland

As the manufacturer's authorised representative within the EC
declare that the

SIP Medusa T5500 Silenced Diesel Generator - SIP Part No. 25153

Conforms to the requirements of the following directive(s), as indicated.

2014/30/EU - EMC Directive
2011/65/EU & 2015/863/EU - RoHS Directive
2006/42/EC - MD Directive
2014/35/EU - Low Voltage Directive
Outdoor Noise Directive 2000/14/EC

and regulation (EU) 2016/628 Emission limits and type-approval for internal combustion engines
for non -road mobile machinery

And the relevant harmonised standard(s), including

EN 55014 - 1: 2017
EN 55014 - 2: 2015
EN 61000 - 3 - 2: 2014
EN 61000 - 3 - 3: 2013
EN 60335-2-102: 2016
EN 60335-1: 2012+A11: 2014+A13: 2017
EN 62233:2008
EN ISO 8528-13:2016
EN 55012:2007+A1:2009
EN 61000-6-1:2019
EN ISO 3744:1995
EN ISO 12100:2010

Signed:



Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd
Date: 18/01/2024





Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.

**FOR HELP OR ADVICE ON THIS
PRODUCT PLEASE CONTACT
YOUR DISTRIBUTOR, OR SIP
DIRECTLY ON:**

TEL: 01509 500400

**EMAIL: sales@sip-group.com or
technical@sip-group.com
www.sip-group.com**

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