



## 2500W Petrol Generator



2500W

2 YEAR  
WARRANTY

Model:  
GEN2500

PLEASE READ ALL INSTRUCTIONS BEFORE USE

## **IMPORTANT:**

Thank you for purchasing a Casals Petrol Generating Set (hereinafter referred to as the "generator"). This manual will assist you in operating and maintaining your generator. This manual is the latest version. With the continuous improvement and upgrading of this product, the manufacturer reserves the right to modify this manual without notice. The manufacturer shall assume no liability for incorrect information contained in this manual.

This manual is an integral part of the generator. When the generator is transferred to others, this manual should be handed over to the new owner.

Some important information in this manual will be indicated in the following way (please see below). The users should pay special attention to these instructions.

**The range of CASALS GENERATORS is safe and reliable, but incorrect use of these products may cause personal injury and or damage to your machine. Please read this manual thoroughly before operation as this product is required to operate strictly in accordance with this manual.**

## **IMPORTANT NOTICES:**

**PLEASE PAY SPECIAL ATTENTION TO STATEMENTS PRECEDED BY THE FOLLOWING WORDS:**

Safety advice and warnings!

Read these instructions carefully before switching on the portable generator and keep them for future reference. Failure to follow and observe these instructions could lead to an accident. The use of this machine will only be safe and long lasting if you follow these instructions. The use of this portable generator is NOT recommended for commercial and industrial purposes.

## **1. GENERAL SAFETY PRECAUTIONS:**

1.1. This generator is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the generator by a person responsible for their safety.

1.2. The generator may only be operated observing the regulations of the operation documentation and under permanent supervision.

1.3. The generator must not be used indoors!

1.4. Fuel (Petrol) is combustible and easily ignited. Do not perform refuelling while in operation.

1.5. Only use the specified fuel when operating the generator. (95 Unleaded)

1.6. Do not refuel whilst smoking or near naked flames. Do not overfill or spill fuel. If this happens clean the fuel on and around the generator properly before operating.

1.7. Be careful around the generator as some parts of the internal combustion engine are hot and may cause burns. Pay attention to all warning signs displayed on the generator set.

1.8. Engine exhaust gases are toxic. Do not operate the generator in an unventilated room

1.9. Regularly check that the bolts and nuts are properly tightened as they may become loose due to vibration of the generator whilst in use.

1.10. Before using the generator ensure that you have checked the periodic maintenance schedule in the operator's manual.

1.11. Pay attention to the wiring or extension cords from the generator to the connected device. If the wire is under the generator or in contact with a vibrating part, it may break and possibly cause a fire, generator burnout, or electric shock hazard. Replace damaged or worn cords immediately.

1.12. Ensure that the specifications of the extension cord you are using is compatible with the generator.

1.13. Do not operate in rain, wet or damp conditions, or with wet hands. The operator may suffer severe electric shock if the generator is wet.

1.14. If wet, wipe and dry it well before starting. Do not pour water directly over the generator, nor wash hit with water.

1.15. Do not connect the generator to the mains power grid.

1.16. Keep children and all bystanders at a safe distance from the generator whilst in use.

1.17. It is absolutely essential that you know and understand the safe and proper use of the power tool or appliance that you intend to connect to the generator. All operators must read, understand and follow the tool/ appliance operators' manual. The tool and appliance applications and limitations must be understood. Keep all instruction manuals and in a safe place for future reference.

1.18. Always switch off the circuit breaker on the generator when not in use.

## **2. ELECTRICAL SAFETY INFORMATION:**

2.1. Electrical equipment including cable, cords and plug connection must not be defective. Please check before using.

2.2. Do not plug the generator directly into a wall socket-outlet.

2.3. The generator should not be connected to other sources such as the power company supply mains. In

special cases where stand-by connection to existing electrical systems or integration therewith is intended, note that it is a legal requirement that such connections or integration may only be performed by a qualified technician.

2.4. Protection against electrical shock depends on circuit-breakers that are specially matched to the generator. If a circuit breaker requires replacement, it shall be replaced by a circuit breaker that has identical ratings and performance characteristics.

2.5. Due to high mechanical stresses only tough, flexible cable should be used.

2.6. If the generator is of CLASS II construction then the generator does not have to be earthed.

2.7. Cord Extension Sets:

2.7.1. A 1mm<sup>2</sup> flexible cable can draw a maximum of 10A provided that the cable is no longer than 25m.

2.7.2. A 1.5mm<sup>2</sup> flexible cable can draw a maximum of 10a provided that the cable is no longer than 35m

2.7.3. A 1.5mm<sup>2</sup> flexible cable can draw a maximum of 16a provided that the cable is no longer than 20m

2.7.4. A 2.5mm<sup>2</sup> flexible cable can draw a maximum of 10a provided the cable is no longer than 65m

2.7.5. A 2.5mm<sup>2</sup> flexible cable can draw a maximum of 16a provided that the cable is no longer than 45m

2.7.6. A 4mm<sup>2</sup> flexible cable can draw a maximum of 10a provided that the cable is no longer than 100m

2.7.7. A 4mm<sup>2</sup> flexible cable can draw a maximum of 16a provided that the cable is no longer than 65m

2.8. DROP IN ELECTRIC EXTENSION CORDS:

When a long electric extension cord is used to connect an appliance or tool to the generator, a certain amount of voltage drop or loss occurs in the extension cord which reduces the effective voltage available for the appliance or tool.

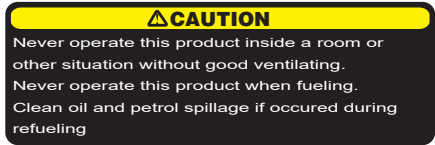
### 3. SAFETY STICKERS AND EXPLANATIONS:



Do not allow open flames near the generator



Horsepower Indicator



Operation warning label



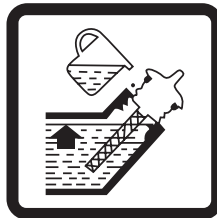
Oil level warning label



Heat warning label



Air filter maintenance information label



Oil refilling and dipstick indication



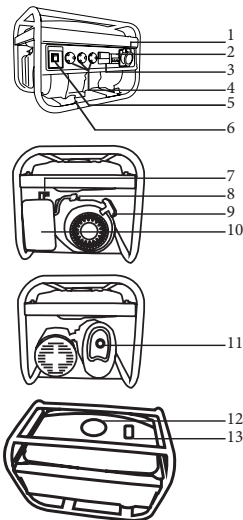
Choke Indication Label

#### 4. SPECIFICATIONS:

Petrol fueled generator		GEN2500
Generated power (AC)		220V/380V - 50Hz
Maximal nominal performance	W	2500
Permanent performance	W	2000
Rotation/idle (+/-5%)	RPM	3000/minute
Nominal Performance of the engine	HP	6,5
Type of engine		4-stroke
Cubic capacity	cm <sup>3</sup>	196
Cooling System		Air cooled
Protection degree		IP23
Ignition system		TCI
Fuel tank	l	12
Fuel type		95 Unleaded
Weight	kg	38
Dimensions	cm	605x430x425
Noise level	dB(A)	96
Protection class		II

Specifications are subject to change without notice.

#### 5. COMPONENTS:



- 1- 3 phase outlet
- 2- Circuit breaker
- 3- Voltmeter
- 4- Mains power outlets
- 5- Power Switch
- 6- Oil dipstick
- 7- Choke
- 8- Fuel Valve
- 9- Pull starter handle
- 10- Sponge filter cover
- 11- Exhaust Outlet
- 12- Fuel filler cap
- 13- Fuel level indicator

**Please note that no grounding rod is supplied with this generator.**

#### 6. PRE-OPERATION CHECKS:

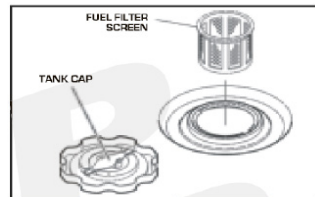
##### 6.1. CHECKING THE ENGINE OIL:

- 6.1.1. Unscrew the dipstick to check the oil level.
- NB The generator is not supplied with oil

##### 6.2. CHECKING THE ENGINE FUEL:

**WARNING: Do not refuel while smoking or near an open flame or other potential fire hazards.**

- 6.2.1. Check the fuel level by the fuel level gauge.
- 6.2.2. If petrol is too low, only add 95 unleaded petrol.
- 6.2.3. Ensure that you use the fuel filter screen on the fuel filter.



##### 6.3. FUEL CAPACITY FOR THE GEN2500:

- 6.3.1. GEN2500 – 12L

##### **WARNING:**

Make sure you review each warning in order to prevent fire hazards. Do not refill the fuel tank whilst the engine is running or hot. Please ensure that the fuel valve is closed before refuelling. Be careful not to contaminate the fuel with any dust, dirt, water or other foreign liquids/objects. Please clean all spilt fuel thoroughly before starting the generator.

**Ensure that the generator is clear from any open**

flames. Do not smoke whilst refuelling the generator.

#### 6.4. CHECKING COMPONENT PARTS:

Before starting the generator please check the following:

6.4.1. Check for any fuel leaking from any part of the generator.

6.4.2. Check that all the nuts and bolts are securely tightened on the generator.

6.4.3. Check for any visible damaged components on the generator.

6.4.4. Check that the generator is not resting on or adjacent to any electrical wiring.

#### 6.5. CHECK THE GENERATOR SURROUNDINGS:

##### WARNING:

Make sure you review each warning in order to prevent fire hazards. Keep the surrounding area clear of flammables or other hazardous materials. Keep the generator at least 3 feet (1 meter) away from all buildings and or other structures. Only operate the generator in a dry, well-ventilated area. Keep the exhaust pipe clear of all foreign objects. Keep the generator away from open flames. Do not smoke in close proximity to the generator. Keep the generator on a flat and level surface.

Do not attempt to block the generator air vents with any paper or other material/objects.

#### 7. OPERATING PROCEDURES:

##### 7.1. STARTING THE GENERATOR ENGINE:

7.1.1. Switch to the "ON" position. FIG.1

7.1.2. Open the fuel valve. FIG.2

7.1.3. Turn the choke lever to "CLOSED" position if the generator engine is cold. Fig.3

7.1.4. Pull the recoil starter until resistance is felt. FIG.5

7.1.5. This is the "compression" point. Return the handle to its original position, and then pull swiftly.

7.1.6. Once the engine has started, please return the choke knob to the open position.

7.1.6. If the generator engine fails to start after several attempts, repeat above the procedures with the choke knob returned to the "OPEN" position. FIG.4

7.1.7. Do not pull the rope of the recoil starter out completely.

7.1.8. After starting the generator allow the starter handle to return to its original position whilst still holding on to the handle.

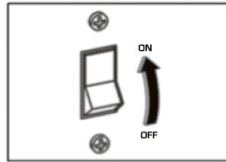


Fig 1

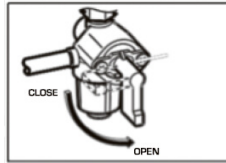


Fig 2

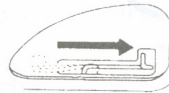


Fig 3

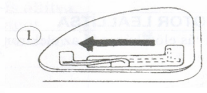


Fig 4

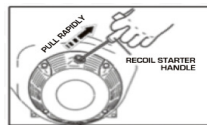


Fig 5

#### 7.2. USING ELECTRIC POWER:

##### WARNING:

Make sure that the appliance is switched OFF before connecting it to the generator.

Do not move the generator while it is running.

#### 7.3. STOPPING THE GENERATOR:

7.3.1. Turn off the power switch of the electric equipment and unplug the cord from the receptacle of the generator.

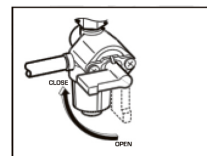
7.3.2. Switch to the "OFF" position. Fig 6

Fig 6



7.3.3. Close the fuel valve. Fig 7

Fig 7



## 8. WATTAGE INFORMATION:

8.1. Some appliances need a “surge” of energy when starting. This is commonly known as a “LAGGING” Load.

8.2. This means that the amount of electrical power needed to start the appliance may exceed the amount needed to maintain its use.

8.3. Electrical appliances and tools normally come with a label indicating voltage, cycles/Hz, amperage (amps) and electrical power needed to run the appliance or tool.

8.4. Check with your nearest branch with questions regarding power surges of certain appliances or power tools.

8.5. Electrical loads such as incandescent lamps and hot plates require the same wattage to start as is needed to maintain their use. This is commonly known as a “LEADING” Load

8.6. Loads such as fluorescent lamps with starters require 1.5 to 2 times the indicated wattage during start-up.

8.7. Electrical motors require a large starting current. Power requirements depend on the type of motor and its use. Once enough “power” is attained to start the motor, the appliance will require only + -50% of the wattage in order to continue running.

8.8. Most electrical tools require 1.5 to 3 times their wattage for running under load during use. Loads such as submersible pumps and air compressors require a very large force to start. They need 3 to 5 times the normal running wattage in order to start.

## 9. MAINTENANCE SCHEDULE: FOR ALL YOUR SERVICE, MAINTENANCE AND WARRANTY QUERIES PLEASE CONTACT CREATIVE HOUSEWARES. PLEASE REFER TO THE BACK PAGE FOR CONTACT DETAILS.

### 9.1. DAILY INSPECTION:

Before starting the generator please check the following service items:

- 9.9.1. Check if there is enough fuel
- 9.9.2. Excessive vibration, noise
- 9.9.3. Loose or broken bolts
- 9.9.4. Fuel leakage
- 9.9.5. Safe surroundings

### 9.2. PERIODIC MAINTENANCE:

Periodic maintenance is vital for the safe and efficient operation of the generator. Check the table below for periodic maintenance intervals.

## IT IS ALSO NECESSARY FOR THE USER OF THIS GENERATOR TO CONDUCT THE MAINTENANCE AND ADJUSTMENTS ON THE EMISSION-RELATED PARTS LISTED BELOW TO KEEP THE EMISSION CONTROL SYSTEM EFFECTIVE.

The emission control system consists of the following parts:

- (1) Carburettor and internal parts
- (2) Cold start enrichment system, (if applicable)
- (3) Intake manifold, (if applicable)
- (4) Air cleaner elements
- (5) Spark plug
- (6) Magneto or electronic ignition system (if applicable)
- (7) Spark advance/retard system, (if applicable)
- (8) Exhaust manifold, (if applicable)
- (9) Hoses, belts, connectors and assemblies

The maintenance schedule indicated in the table is based on normal generator operation. Should the generator be operated in extremely dusty conditions or in heavier loading conditions, the maintenance intervals must be shortened. This will depend on the contamination of oil, clogging of filter elements and the wear and tear of parts.

## 10. “HOW – TO” MAINTENANCE

### 10.1. CLEANING AIR FILTER:

#### CAUTION

Do not wash the elements with kerosene, petrol or oil.

A dirty air filter element will make the starting of the generator difficult. It will also cause the generator to under-perform and may cause permanent damage. Always keep the air filter element clean.

10.1.1. The urethane foam element must be washed with a cleaning detergent. After cleaning it ensure that it is dried properly before reinstalling. Please clean every 100 hours.

10.1.2. Clean the paper element by tapping and blowing it gently to remove dirt and dust. Never use oil to clean the paper element. Please clean every 50 hours and replace every 200 hours. (if applicable)

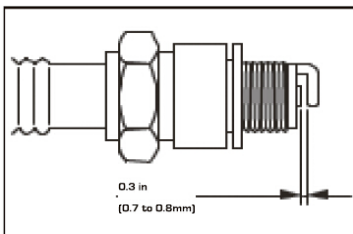
**Please clean the air filter elements more often when operating in dusty environments.**

Maintanace Items	Every 8 hours (Daily)	Every 20 hours	Every 100 hours (Weekly)	Every 200 hours (Monthly)	Every 500 hours	Every 1000 hours
Clean Generator and check bolts and nuts	●					
Clean spark plug			●			
Clean air filter			●			
Replace air filter element				●		
Clean fuel strainer				●		
Clean and adjust spark plug and electrodes				●		
Replace spark plug					●	
Remove carbon from cylinder head (note 1)						●
Clean and adjust valve clearance (note 2)						●
Clean and adjust carburetor (note 2)					●	
Clean and replace carbon brushes					●	
Replace fuel lines					●	
Overhaul engine (note 2)	If and when needed					

## 10.2. CLEANING AND ADJUSTING SPARK PLUG:

10.2.1. If the spark plug is clogged with carbon please clean it using a plug cleaner or wire brush.

10.2.2. Always check electrode gap after cleaning. Adjust gap to 0.03 inches (0.7mm to 0.8mm).



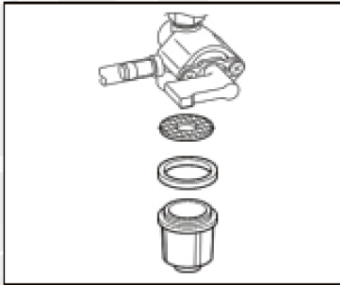
### 10.3. CLEANING FUEL STRAINER:

**Please note that dirt and water in the fuel are removed by the fuel strainer.**

10.3.1. Remove the strainer cup and clean it properly by removing the water and dirt collected.

10.3.2. Clean the screen and strainer cup with petrol.

10.3.3. Fasten the cup tightly to the main body and ensure that there are no fuel leaks.



### 10.4. FUEL HOSE REPLACEMENT:

#### WARNING

Please take extreme caution when replacing the fuel hose as petrol is extremely flammable and dangerous.

**DO NOT SMOKE OR EXPOSE TO OPEN FLAMES whilst doing this.**

10.4.1. Please ensure that the fuel hose is replaced every 500 hours. Do not attempt to do this whilst there fuel valve is open.

10.4.2. Please replace the fuel hose immediately should a leak develop or if the fuel hose is perished.

### 11. TRANSPORTING AND STORAGE:

11.1. Before transporting the generator please ensure that the fuel valve is in the "OFF" position. Contact with a hot engine or exhaust system can cause severe burns and or fires, always allow for the engine to cool down prior to transporting and or storing. Always ensure that the generator is transported and or stored in a flat horizontal position. Tilting of the unit may cause fuel spillage which may result in a fire.

11.2. Before storing the generator for an extended period of time please ensure that the area of storage is free from excessive water, dust and humidity. Please follow the table below:

Storage Time	Recommended Maintenance
0-1 Month	<ul style="list-style-type: none"> <li>• No preparation required</li> </ul>
1-2 Months	<ul style="list-style-type: none"> <li>• Drain out original fuel in the fuel tank and replace with clean fuel</li> </ul>
2-12 Months	<ul style="list-style-type: none"> <li>• Drain out original fuel in the fuel tank and replace with clean fuel</li> <li>• Empty fuel from the carburetor</li> <li>• Empty fuel from the fuel sediment cup</li> </ul>
>12 Months	<ul style="list-style-type: none"> <li>• Drain out original fuel in the fuel tank and replace with clean fuel</li> <li>• Empty fuel from the carburetor</li> <li>• Empty fuel from the fuel sediment cup</li> <li>• Remove the spark plug and pour a teaspoon of 2 stroke engine oil into the cylinder. Turn the engine slowly by pulling on the recoil starter. Reinstall the spark plug</li> <li>• After removal from storage, drain the stored fuel into a suitable container and replace with fresh fuel before starting.</li> </ul>
<ul style="list-style-type: none"> <li>• Drain the carburetor by loosening the drain screw. Drain the fuel into a suitable container. Reinstall the drain plug.</li> <li>• Having switched the fuel valve off, remove the sediment cup, empty the fuel, then reinstall the cup and secure it properly.</li> </ul>	

**NEVER STORE THE GENERATOR INSIDE A HOUSE OR OFFICE. DO NOT STORE THE GENERATOR WHERE IT IS SUSEPTABLE TO RAIN OR WATER.**

### 12. TROUBLESHOOTING:

If the generator engine fails to start after several attempts and if there is no electricity available at the output socket then please check the chart below. If the generator still fails to start or generate electricity the please contact CREATIVE HOUSEWARES (see the back page of this manual for the contact details)



**When the engine fails to start:**

Check if the choke lever is in it's proper position	Set the choke lever to the "CLOSED" position
Check if the fuel valve is open	If it is closed, open it
Check the fuel level	If the fuel tank is empty, refill it. CAUTION: Do not overfill
Check if the engine switch is in the "OFF" position	Turn the engine switch to the "ON" position.
Ensure that the generator is not connected to an appliance	If it is connected to an appliance, turn off the power switch on the appliance and unplug it.
Test to see if the spark plug cap is loose.	If it is loose, push the spark plug cap back tight
Check the spark plug for carbon build up	

# casals

## 2 YEAR WARRANTY

Casals guarantees that this product has been thoroughly inspected and tested before being dispatched and is free from mechanical and electrical defects and complies with the applicable safety standards. However, should defects due to faulty material or workmanship develop, under normal domestic use, within 6 months from the date of purchase please return the product to the store from where it was purchased for a full refund or replacement.

### The following conditions apply:

1. Please ensure you retain your receipt as this must be presented when making a claim under the terms of the warranty. It is impossible to determine the warranty period without proof of purchase, so please keep this in a safe place.
2. If a refund or exchange is required the product must be complete with all accessories, parts and packaging.
3. Missing parts will render the warranty void.
4. Upon receipt of your appliance check it for any transport damage to ensure it is safe for use. Return it to the store as soon as possible for exchange if damaged. The warranty is void if products are damaged after use, so please do not use the damaged product.
5. Your product is designed for normal domestic household use. Failure to read and comply with the instructions for use, cleaning and maintenance will render your warranty void, so please read these instructions carefully to ensure your safety, and get the most effective use from the product.
6. **Any abuse, negligent, improper use will render the warranty void and Creative Housewares (Pty) Ltd will not be liable for any loss or damage.**
7. This Guarantee will not apply if this tool is damaged by accident or from normal wear and tear.
8. Any attempted repair, or replacement of unauthorised parts will render the warranty void, so please contact an authorised service centre or agent for any service or repair requirements.
9. **Accessories such as bits, blades, sanding disc, cutting lines, etc are excluded from this guarantee.**
10. **Normal consumables parts, such as carbon brushes, bearings, chucks, cord assembly's, spark plugs, recoil pulleys and bump head assembly's are specifically excluded from this guarantee.**

### Extended 24 Month Limited Warranty

Casals takes pride in their product quality and therefore offer an extended 24 month limited warranty from the original date of purchase to offer the consumer peace of mind on their purchase.

- Should defects due to faulty material or workmanship develop, under normal domestic use, within 24 months from the original date of purchase, please return the product to the store from where it was purchased for repair free of charge.
- Casals will however replace a product, if the cost of the repair is not commercially viable or if their ability to conduct repair effectively cannot be guaranteed.
- **NB:** The warranty on replaced products will be from the original date of purchase.
- All repairs carry a 3 month warranty even if this falls outside of the 2 year warranty period. Casals will attempt to conduct repairs within reasonable industry standards but cannot be held responsible or liable for any circumstances not under their control.

### Before returning your product, check for the following:

1. Your household mains supply socket is working and switched on.
2. The mains supply circuit is not overloaded (White trip switch on your DB board is off).
3. You have read the trouble shooting guide in your Instructions for Use.
4. All accessories and parts are present.

If service or repair becomes necessary outside the guarantee period, this service is still available however all transport/postage, spares and labour costs will be paid by the consumer. All chargeable repairs will require the consumers' approval in writing once the quote is accepted. Once the go-ahead has been received Casals will undertake to conduct the repair within a reasonable time and maintain the condition of the product as received.

**For any assistance, service, queries and complaints please contact our Customer Care on 086 111 5006 or e-mail [help@creativehousewares.co.za](mailto:help@creativehousewares.co.za).**

#### Cape Town

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8117  
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#### Durban

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South Africa, 4001  
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#### Johannesburg

Unit 25 & 26 San Croy Office park  
Die Agora Road, Croydon, 1619  
Tel: +27 11 392 5652  
Fax: +27 11 392 1694

# Be on the look-out for these Casals products at your local outlet:



CS480RE



CS1200RE



IDR500REA



ID710REA



RHD1050



MFS180



BS76-710



OS150



PL82-710



HAG2000A



AG115-500



AG115-710



AG230-710



SP1200



JS55A



DBS900



MFS400



R1200RE



CS184L



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🌐 [www.creativehousewares.co.za](http://www.creativehousewares.co.za)