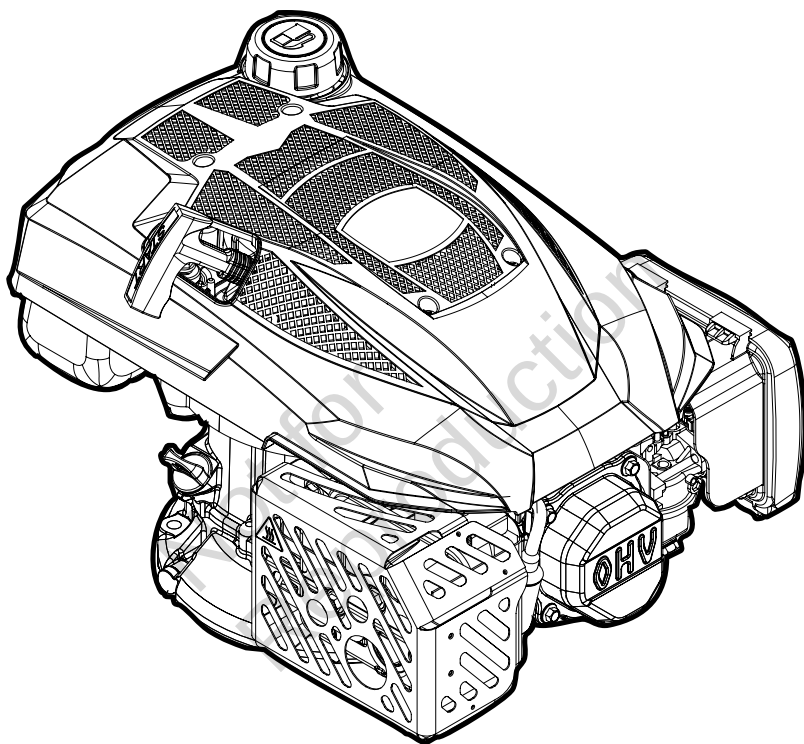
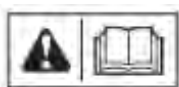




VICTA Commercial Engines



WARNING! Read this manual before operating your Victa engine.

IMPORTANT INFORMATION

PRE-USE NOTICE: ENGINE OIL



Failure to add oil to the Victa engine before attempting to start it will damage the engine and void the Engine Warranty.

Victa engines are supplied without fuel or oil for transportation.
Please use the engine's dipstick to ensure correct oil fill level.

The engine **MUST** have the sump (oil reservoir) filled with oil to the appropriate level prior to operation, as directed by the label shown in below.

For full details on filling engine oil, refer to maintenance section below.

WARNING

WARNING WARNING WARNING WARNING

ENGINE HAS NO OIL IN SUMP

ADD SAE 30 OIL TO SUMP PRIOR TO STARTING ENGINE

REFER TO ENGINE MANUAL FOR OIL VOLUME

FAILURE TO FOLLOW THIS INSTRUCTION WILL

VOID ENGINE WARRANTY

Not for
Reproduction

SAFETY ALERT SYMBOL AND SIGNAL WORDS

The safety alert symbol  is used to identify safety information about hazards that can result in personal injury. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

DANGER indicates a hazard which, if not avoided, will result in death or serious injury.

WARNING indicates a hazard which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazard which, if not avoided, could result in minor or moderate injury.

NOTICE indicates a situation that could result in damage to the product.

Hazard Symbols And Meanings



Safety information about hazards that can result in personal injury.



Read and understand the operator's manual before operating or servicing the unit.



Fire hazard.



Explosion hazard.



Shock hazard



Toxic fume hazard.



Hot surface hazard.



Noise hazard - Ear protection recommend for extended use.



Thrown objects hazard -
Wear eye protection.



Explosion hazard.

TABLE OF CONTENTS

IMPORTANT INFORMATION	
Pre-Use Caution: Engine Oil	1
OPERATOR SAFETY	
Safety Alert Symbol and Signal Words	3
Hazard Symbols and Meanings	3
Safety Messages	6
CONTENTS	3
FEATURES & CONTROLS	
Engine Features	9
Controls	12
OPERATION	
Prior-Starting Oil Check	13
Fueling	14
Starting and Stopping the Engine	11
MAINTENANCE	
Pre-Maintenance Safety	17
Maintenance Schedule	18
Carburettor & Engines Speed	20
Change Engine Oil	20
Service Cooling System	22
Service Air Filter	22
Service Spark Plug	23
Service Exhaust System	23
Other Maintenance	24
SPECIFICATION	25
WARRANTY	25

SAFETY MESSAGES



This product can expose you to chemicals including petrol engine exhaust, which is known to cause cancer, and carbon monoxide, which is known to cause birth defects or other reproductive harm.



Victa Engines are not designed for and are not to be used to power: fun-karts; go-karts; children's, recreational, or sport all-terrain vehicles (ATVs); motorbikes; hovercraft; aircraft products; or vehicles used in competitive events. Improper engine application may result in serious injury or death.



Fuel and its vapours are extremely flammable and explosive.
Fire or explosion can cause severe burns or death.

When Adding Fuel

- Turn engine off and let engine cool at least 2 minutes before removing the fuel cap.
- Fill fuel tank outdoors or in well-ventilated area.
- Do not overfill fuel tank. To allow for expansion of the fuel, do not fill above the bottom of the fuel tank neck.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.
- If fuel spills, wait until it evaporates before starting engine.

When Starting Engine

- Make sure that spark plug, muffler, fuel cap and air cleaner (if equipped) are in place and secured.
- Do not crank engine with spark plug removed.
- If engine floods, set choke (if equipped) to OPEN / RUN position, move throttle (if equipped) to FAST position and crank until engine starts.

When Operating Equipment

- Do not tip engine or equipment at angle which causes fuel to spill.
- Do not choke the carburettor to stop engine.
- Never start or run the engine with the air cleaner assembly or the air filter element removed.

When Changing Oil

- If you drain the oil from the top oil fill tube, the fuel tank must be empty or fuel can leak out and result in a fire or explosion.

OPERATOR SAFETY

SAFETY MESSAGES

When Tipping Unit for Maintenance

- When performing maintenance that requires the unit to be tipped, the fuel tank, must be empty or fuel can leak out and result in a fire or explosion.

When Transporting Equipment

- Transport with fuel tank EMPTY.

When Storing Fuel or Equipment With Fuel In Tank

- Store away from furnaces, stoves, water heaters or other appliances that have pilot lights or other ignition sources because they can ignite fuel vapours.



Starting engine creates sparking.

Sparking can ignite nearby flammable gases.

Explosion and fire could result:

- If there is natural or LP gas leakage in area, do not start engine.
- Do not use pressurised starting fluids because vapours are flammable.



POISONOUS GAS HAZARD. Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT see it, smell it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. If you start to feel sick, dizzy, or weak while using this product, get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.

- Operate this product ONLY outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- NOTE: Smoke alarms cannot detect carbon monoxide gas.
- DO NOT run this product inside homes, garages, basements, crawl spaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- ALWAYS place this product downwind and point the engine exhaust away from occupied spaces.



Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go. (Engines fitted with recoil start only)

Broken bones, fractures, bruises or sprains could result.

- When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- Remove all external equipment / engine loads before starting engine.
- Direct-coupled equipment components such as, but not limited to, blades, impellers, pulleys, sprockets, etc., must be securely attached.

SAFETY MESSAGES



WARNING



Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories.
Traumatic amputation or severe laceration can result.

- Operate equipment with guards in place.
- Keep hands and feet away from rotating parts.
- Tie up long hair and remove jewellery.
- Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught.



WARNING



Running engines produce heat. Engine parts, especially muffler, become extremely hot.
Severe thermal burns can occur on contact.

Combustible debris, such as leaves, grass, brush, etc. can catch fire.

- Allow muffler, engine cylinder and fins to cool before touching.
- Remove accumulated debris from muffler area and cylinder area.
- In some areas, local law requires use of a spark arrester maintained in effective working order VC225E on the muffler. If this engine was originally equipped with a spark arrester, use the same type for replacement. Do not tamper with or alter the muffler assembly including the spark arrester, if fitted.

SAFETY MESSAGES



WARNING



Unintentional sparking can result in fire or electric shock.

Unintentional start-up can result in entanglement, traumatic amputation, or laceration.

Fire hazard

Before performing adjustments or repairs:

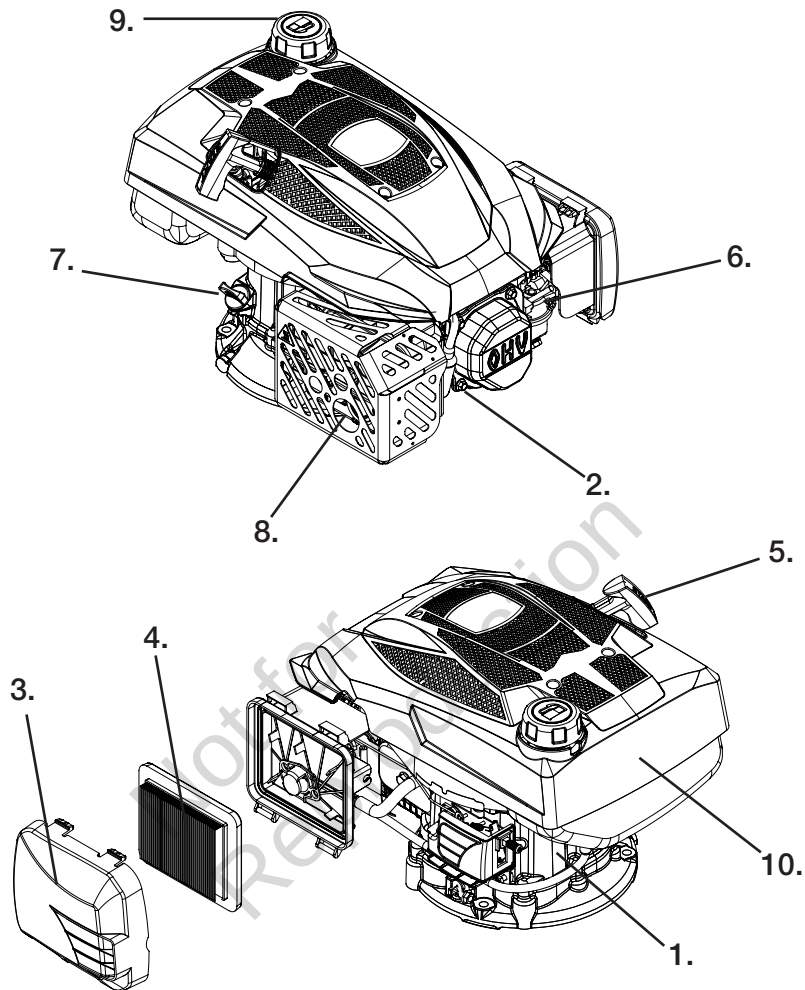
- Disconnect the spark plug wire and keep it away from the spark plug.
- Remove starting battery (only engines with electric start).
- Use only correct tools.
- Do not tamper with governor spring, links or other parts to increase engine speed.
- Replacement parts must be of the same design and installed in the same position as the original parts. Other parts may not perform as well, may damage the unit, and may result in injury.
- Do not strike the flywheel with a hammer or hard object because the flywheel may later shatter during operation.

When testing for spark:

- Use approved spark tester.
- Do not check for spark with spark plug removed.

FEATURES

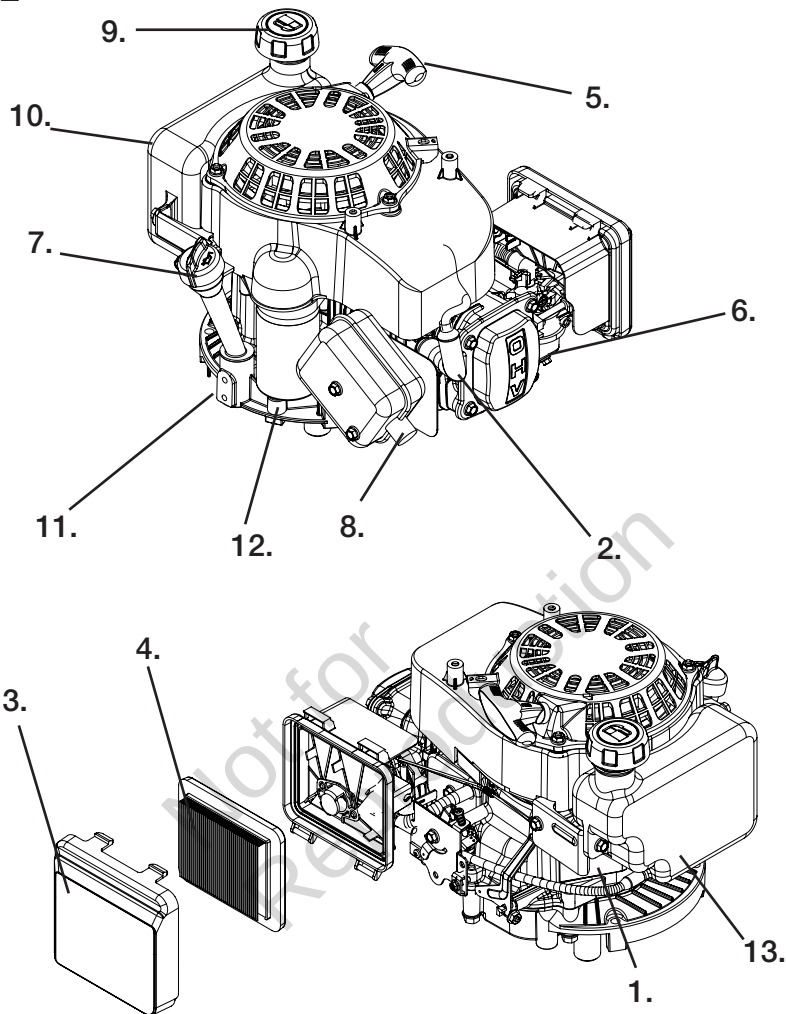
VC200A



1.	Engine Model And Serial Number (On Crank Case)	6.	Carburettor
2.	Spark Plug	7.	Oil Fill Tube Dipstick
3.	Air Filter Cover	8.	Muffler
4.	Air Filter	9.	Fuel cap
5.	Starter Handle	10.	Fuel tank

Note: Representative image only. Actual product may differ from image shown.

VC225E

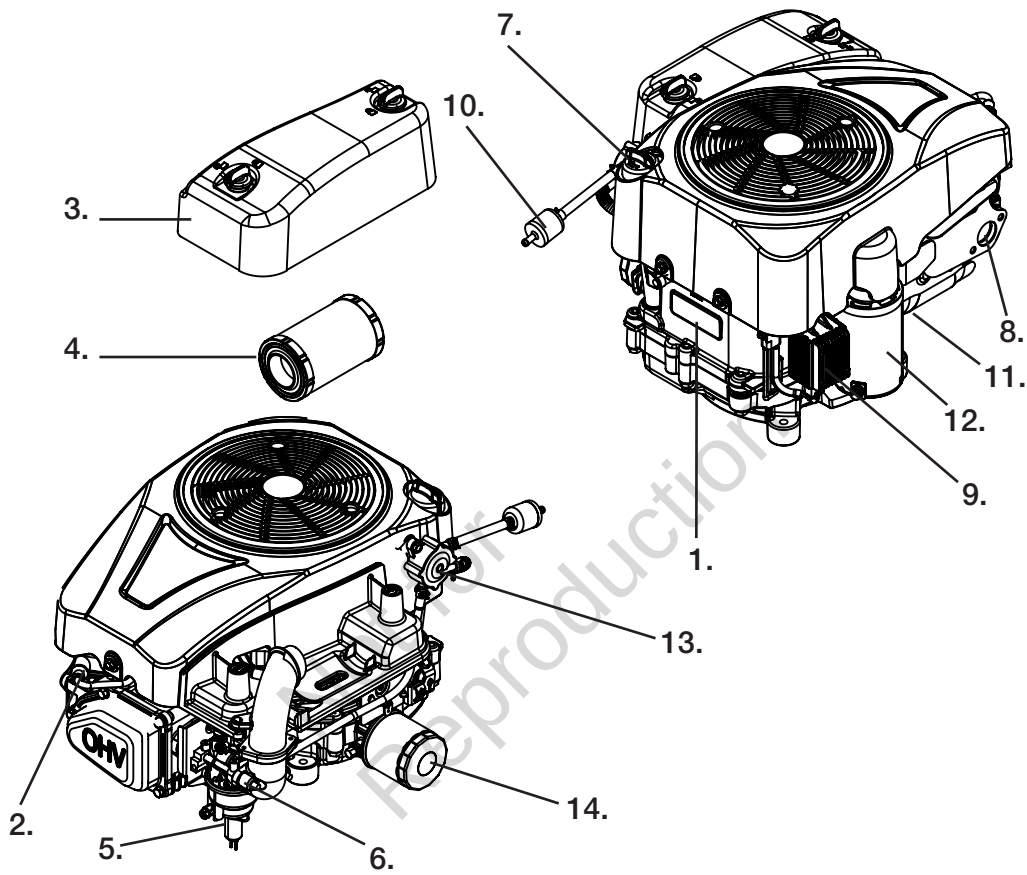


1.	Engine Model And Serial Number (On Crank Case)	8.	Muffler
2.	Spark Plug	9.	Fuel cap
3.	Air Filter Cover	10.	Fuel tank
4.	Air Filter	11.	Oil drain plug
5.	Starter Handle	12.	Electric Starter
6.	Carburettor	13.	In Tank Fuel Filter Screen
7.	Oil Fill Tube Dipstick		

Note: Representative image only. Actual product may differ from image shown.

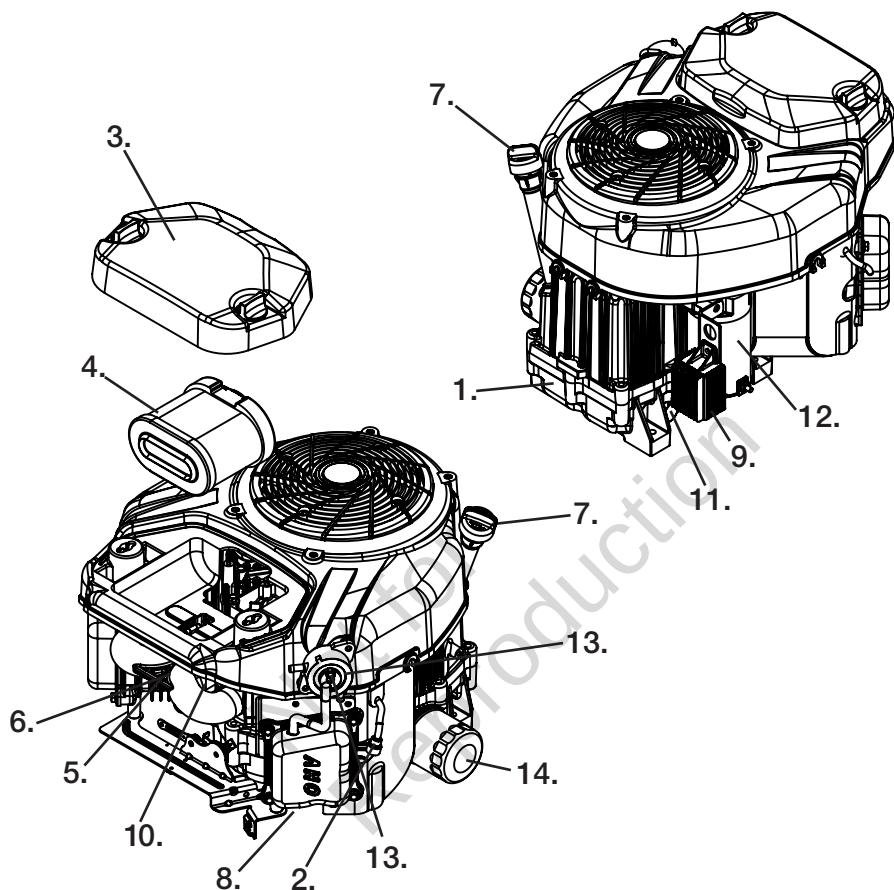
FEATURES

VC550E



1.	Engine Model And Serial Number (On Crank Case)	8.	Exhaust port (Muffler not fitted)
2.	Spark Plug	9.	Voltage Regulator
3.	Air Filter Cover	10.	Fuel filter
4.	Air Filter	11.	Oil drain plug
5.	Fuel shut-off solenoid	12.	Electric Starter
6.	Carburettor	13.	Fuel Pump
7.	Oil Fill Tube Dipstick	14.	Oil Filter

VC670E



1.	Engine Model And Serial Number (On Crank Case)	8.	Exhaust port (not visible, muffler not fitted)
2.	Spark Plug	9.	Voltage regulator
3.	Air Filter Cover	10.	Fuel filter (not visible)
4.	Air Filter	11.	Oil drain plug
5.	Fuel shut-off solenoid	12.	Electric Starter
6.	Carburettor	13.	Fuel pump
7.	Oil Fill Tube Dipstick	14.	Oil filter

Note: Representative image only. Actual product may differ from image shown.

CONTROLS

SYMBOL	FUNCTION	INSTRUCTIONS
	Stop engine	Move the control to this position to stop engine. In many applications, this will be a position of the throttle control lever (refer to the Operator's Manual of the product for confirmation).
	Engine Speed - Fast	Move the control to this position to run the engine at maximum speed. In many applications, this will be a position of the throttle control lever (refer to the Operator's Manual of the product for confirmation).
	Engine Speed - Slow	Move the control to this position to run the engine at minimum speed. In many applications, this will be a position of the throttle control lever (refer to the Operator's Manual of the product for confirmation).
	Start engine*	Use this control to start the engine, following the procedure in the Operation section of this manual. (For electric start or key switch engines).
	Start engine	Use this control to start the engine, following the procedure in the Operation section of this manual. (Pull-cord start engines).

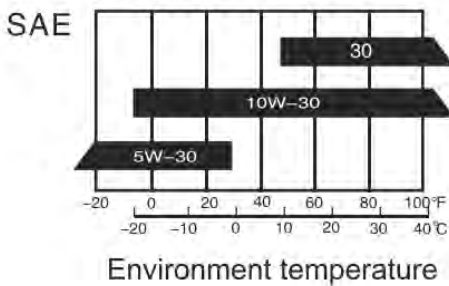
PRIOR STARTING OIL CHECK

NOTICE:

This Victa engine was shipped from its manufacturing location without oil. Retailers or dealers may have added oil to the engine. Before you start the engine for the first time, make sure to check the oil level and add oil as specified by the instructions in this manual. If you start the engine without oil, it will be damaged beyond repair and will not be covered under warranty.

Oil Recommendations

Use only high-quality detergent oils classified for service SF, SG, SH, SJ or higher. Do not use special additives. Outdoor temperatures determine the correct oil viscosity for the engine. Use the chart to select the best viscosity for the outdoor temperature range expected. For Australian and New Zealand garden maintenance applications, SAE 30 oil is preferable.



Oil Capacity

See the Specifications section for oil capacity.

CHECKING AND ADDING OIL



CAUTION

Before you start the engine, make sure to check the oil level and add oil as specified by the instructions in this manual. If you start the engine without oil, it will be damaged beyond repair and will not be covered under warranty.

1. Before checking or adding oil
 - Make sure the engine is level.
 - Clean the oil fill area of any debris.
2. Remove the dipstick, and wipe with a clean cloth.
3. Install and tighten the dipstick.
4. Remove the dipstick and check the oil level. Correct oil level is at the top of the full indicator on the dipstick.
5. If oil level is low ("L"), slowly add oil into the engine oil fill tube. Do not overfill. After adding oil, wait one minute and then check the oil level again.

OPERATION

FUELLING

Fuel Recommendations

Fuel must meet these requirements:

- Clean, fresh, unleaded petrol.
- A minimum of 87 octane/87 AKI (91 RON).
- Petrol with up to 10% ethanol (gasohol) is acceptable.

NOTICE: Do not use unapproved petrol, such as E15 and E85. Do not mix oil in petrol or modify the engine to run on alternate fuels. Use of unapproved fuels will damage the engine components, which will not be covered under warranty.

To protect the fuel system from gum formation, mix a fuel stabilizer into the fuel. See Storage. All fuel is not the same. If start or performance problems occur, change fuel providers or brands. This engine is certified to operate on petrol. The emissions control system for carburetted engines is EM (Engine Modifications).

Filling Fuel



WARNING



Fuel and its vapours are extremely flammable and explosive.

Fire or explosion can cause severe burns or death.

When adding fuel;

- Turn engine off and let engine cool at least 2 minutes before removing the fuel cap.
 - Fill fuel tank outdoors or in well-ventilated area.
 - Do not overfill fuel tank. To allow for expansion of the fuel, do not fill above the bottom of the fuel tank neck.
 - Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources. Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.
 - If fuel spills, wait until it evaporates before starting engine.
1. Clean the fuel cap area of dirt and debris. Remove the fuel cap.
 2. Fill the fuel tank with fuel. To allow for expansion of the fuel, do not fill above the bottom of the fuel tank neck.
 3. Reinstall the fuel cap.

START AND STOP THE ENGINE



WARNING



(Engines fitted with recoil start only) Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go. Broken bones, fractures, bruises or sprains could result.

- When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.



WARNING



When Starting Engine:

- Ensure that spark plug, muffler, fuel cap and air cleaner (if equipped) are in place and secured.
- Do not crank engine with spark plug removed.
- If engine floods, set choke (if equipped) to OPEN / RUN position, move throttle (if equipped) to FAST position and crank until engine starts.



POISONOUS GAS HAZARD. Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You **CANNOT** see it, smell it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. If you start to feel sick, dizzy, or weak while using this product, shut it off and get to fresh air **RIGHT AWAY**. See a doctor. You may have carbon monoxide poisoning.

- Operate this product **ONLY** outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- **DO NOT** run this product inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- **ALWAYS** place this product downwind and point the engine exhaust away from occupied spaces.

Determine The Starting System

Before starting the engine, you must determine the type of starting system that is on your engine. Your engine will have one of the following types.

Note: Equipment may have remote controls. See the equipment manual for location and operation of remote controls.

- Fully automatic system: No manual choke or primer, rewind (pull cord) starter.
- Electric start system: No manual choke or primer, push button or key start.

OPERATION

Start Engine - Recoil Starter (where fitted)

1. Check the engine oil. See the Check Oil Level section.
2. Make sure equipment drive controls, if equipped, are disengaged.
3. Move the throttle control, if equipped, to the FAST position or CHOKE (where fitted). Operate the engine in the FAST position.
4. Firmly hold the starter cord handle. Pull the starter cord handle slowly until resistance is felt, then pull rapidly.

Start Engine - Electric Start System

1. Check the engine oil. See the Check Oil Level section.
2. If required, insert appropriate battery for electric start system (ensure it has sufficient charge).
3. Make sure equipment drive controls, if equipped, are disengaged.
4. Move the throttle control, if equipped, to the FAST position or CHOKE (where fitted). Operate the engine in the FAST position.
5. Key switch, if equipped: Turn the key switch to the ON/START position.
Start button, if equipped: Push the start button.

Note: If the engine does not start after repeated attempts, repeat steps. If it still does not start, refer to the maintenance section of this manual.

NOTICE: To extend the life of the starter, use short starting cycles (five seconds maximum). Wait one minute between starting cycles.

Stop Engine



WARNING



Fuel and its vapours are extremely flammable and explosive.

Fire or explosion can cause severe burns or death.

Unintentional start up can result in traumatic amputation or severe laceration.

Engine Stop Lever, if equipped: Release the engine stop lever.

Stop Switch, if equipped: Move the stop switch to the OFF position.

Throttle Control, if equipped: Move the throttle control to the STOP position.

Push button, if equipped: Move the throttle control to the STOP position. Remove the starting battery and keep in a safe place out of the reach of children.

Key switch, if equipped: Turn the key switch to the OFF position. Remove the key and keep in a safe place out of the reach of children.

PRE-MAINTENANCE SAFETY

NOTICE: If the engine is tipped during maintenance, the fuel tank, if mounted on engine, must be empty and the spark plug side must be up.

If the fuel tank is not empty and if the engine is tipped in any other direction, it may be difficult to start due to oil or petrol contaminating the air filter and/or the spark plug.



When performing maintenance that requires the unit to be tipped, the fuel tank must be empty or fuel can leak out and result in a fire or explosion. It is recommend to visit an Authorised Victa Service Dealer for all maintenance and service of the engine and engine parts.

NOTICE: All the components used to build this engine must remain in place for proper operation.



Unintentional sparking can result in fire or electric shock.

Unintentional start-up can result in entanglement, traumatic amputation, or laceration.

Fire hazard.

Before performing adjustments or repairs:

- Disconnect the spark plug wire and keep it away from the spark plug.
- Disconnect battery at negative terminal (only engines with electric start).
- Use only correct tools.
- Do not tamper with governor spring, links or other parts to increase engine speed.
- Replacement parts must be of the same design and installed in the same position as the original parts. Other parts may not perform as well, may damage the unit, and may result in injury.
- Do not strike the flywheel with a hammer or hard object because the flywheel may later shatter during operation.

When testing for spark:

- Use approved spark tester.
- Do not check for spark with spark plug removed.

MAINTENANCE

MAINTENANCE SCHEDULE VC225E

Minimum Interval		Before Each Use	First Month / 10 hrs of Operation ¹	Every 3 Months / 30 hrs of Operation ¹	Every 6 Months / 50 hrs of Operation ¹	Every 12 Months / 100 hrs of Operation ¹	Every 24 Months / 125 hrs of Operation ¹
Engine Oil	Check, refill as required	●					
	Replace ⁵		●	●			
Cooling System	Check, clean as required	●					
Air filter	Check, clean as required ⁴	●		●			
	Replace ⁴				●		
Spark Plug	Clean, adjust as required				●		
	Replace	As required					
Spark Arrestor ²	Check, clean as required				●		
	Replace	●					
Fuel Hose	Check, replace as required						●
Valves ³	Check, adjust as required					●	
Cylinder Head & Piston ³	Check, clean as required						●
Fuel Filter	Check, clean as required				●		

- 1 Whichever is reached first
- 2 Where fitted
- 3 To be carried out by an Authorised Victa Service Dealer.
- 4 In dusty or severe conditions, clean the air filter element every 10 hours of operation. If necessary change the element every 25 hours.
- 5 If operating engine under high-load or high-temperature conditions, change the engine oil every 10 hours of operation

MAINTENANCE SCHEDULE VC550E / VC670E

Minimum Interval		Before Each Use	First Month / 10 hrs of Operation ¹	Every 3 Months / 30 hrs of Operation ¹	Every 6 Months / 50 hrs of Operation ¹	Every 12 Months / 100 hrs of Operation ¹	Every 24 Months / 125 hrs of Operation ¹
Engine Oil	Check, refill as required	●					
	Replace ⁵		●	●			
Cooling System	Check, clean as required	●					
Air filter	Check, clean as required ⁴	●		●			
	Replace ⁴				●		
Spark Plug	Clean, adjust as required				●		
	Replace	As required					
Spark Arrestor ²	Check, clean as required				●		
	Replace	●					
Fuel Hose	Check, replace as required						●
Valves ³	Check, adjust as required					●	
Cylinder Head & Piston ³	Check, clean as required						●
Fuel Filter	Check, clean as required				●		

- 1 Whichever is reached first
- 2 Where fitted
- 3 To be carried out by an Authorised Victa Service Dealer.
- 4 In dusty or severe conditions, clean the air filter element every 10 hours of operation. If necessary change the element every 25 hours.
- 5 If operating engine under high-load or high-temperature conditions, change the engine oil every 10 hours of operation

MAINTENANCE

CARBURETTOR AND ENGINE SPEED

Never make adjustments to the carburettor or engine speed. The carburettor was set at the factory to operate efficiently under most conditions. Do not tamper with the governor spring, linkages, or other parts to change the engine speed. If any adjustments are required contact an authorised Victa service dealer for service.

NOTICE: The equipment manufacturer specifies the maximum speed for the engine as installed on the equipment. Do not exceed this speed. If you are not sure what the equipment maximum speed is, or what the engine speed is set to from the factory, contact an authorised Victa service dealer for assistance. For safe and proper operation of the equipment, the engine speed should be adjusted only by a qualified service technician.

CHANGE ENGINE OIL



WARNING



Fuel and its vapours are extremely flammable and explosive.

Fire or explosion can cause severe burns or death.

Running engines produce heat. Engine parts, especially muffler, become extremely hot.

Severe thermal burns can occur on contact.

Used oil is a hazardous waste product and must be disposed of properly. Do not discard with household waste. Check with your local authorities, service centre, or dealer for safe disposal/recycling facilities.

Remove Oil

With engine off but still warm, disconnect the spark plug wire and keep it away from the spark plug.

Remove the dipstick.

Oil Drain Plug NOT equipped

If engine is not equipped with an oil drain plug it is recommended to use a Briggs & Stratton oil removal kit.

If an oil removal kit is not available follow the following steps.

1. Empty the fuel tank by running the engine until it stops from lack of fuel. The fuel tank must be empty or fuel can leak out and result in a fire or explosion.
2. Allow muffler, engine cylinder and fins to cool before draining oil.
3. Place mower on hard, flat surface.
4. Tilt engine over, keeping the fuel tank up and drain oil from the oil fill tube. Drain the oil into an approved container.

Oil Drain Plug equipped

1. Remove the oil drain plug. Drain the oil into an approved container.
2. After the oil has drained, install and tighten the oil drain plug.

Change Oil Filter, if equipped

Some models are equipped with an oil filter. For replacement intervals, see the Maintenance Schedule.

1. Drain the oil from the engine. See Remove oil section
2. Remove the oil filter (and dispose of properly)
3. Before installing the new oil filter, lightly lubricate the oil filter gasket with fresh, clean oil
4. Install the oil filter by hand until the gasket contacts the oil filter adapter, then tighten the oil filter 1/2 to 3/4 turns
5. Add oil. See Add Oil section
6. Start and run engine. As the engine warms up, check for oil leaks
7. Stop the engine and check the oil level. Correct oil level is at the top of the full indicator on the dipstick

Add Oil

- Make sure the engine is level.
 - Clean the oil fill area of any debris.
 - See the Specifications section for oil capacity.
1. Remove the dipstick and wipe with a clean cloth.
 2. Slowly pour oil into the engine oil fill. Do not overfill. After adding oil, wait one minute and then check the oil level.
 3. Install and tighten the dipstick.
 4. Remove the dipstick and check the oil level. Correct oil level is at the top of the full indicator on the dipstick ("F").
 5. Reinstall the dipstick until it clicks into closed position.
 6. Connect the spark plug wire to the spark plug.

MAINTENANCE

SERVICE COOLING SYSTEM



WARNING



Running engines produce heat. Engine parts, especially muffler, become extremely hot. Severe thermal burns can occur on contact.

Combustible debris, such as leaves, grass, brush, etc., can catch fire.

- Allow muffler, engine cylinder and fins to cool before touching.
- Remove accumulated debris from muffler area and cylinder area.

NOTICE: Do not use water to clean the engine. Water could contaminate the fuel system. Use a brush or dry cloth to clean the engine.

This is an air cooled engine. Dirt or debris can restrict air flow and cause the engine to overheat, resulting in poor performance and reduced engine life. It is therefore important to regularly remove debris before it is able to build up.

Use a brush or a dry cloth to remove debris from all of the below listed areas;

- Air intake grille.
- All linkages, springs and controls.
- Around and behind the muffler.
- Oil cooler fins.

Note: A small brush with reach (such as a toothbrush) is ideal for some of the more difficult to reach parts of the engine.

After a period of time, debris can accumulate in the cylinder cooling fins and cause the engine to overheat. This debris cannot be removed without partial disassembly of the engine. Have an Authorised Victa Service Dealer inspect and clean the air cooling system as recommended in the Maintenance Schedule.

SERVICE AIR FILTER



WARNING



Fuel and its vapours are extremely flammable and explosive.

Fire or explosion can cause severe burns or death.

- Never start and run the engine with the air filter assembly or the air filter element(s) removed.

NOTICE: Do not use pressurised air or solvents to clean the filter. Pressurised air can damage the filter and solvents will dissolve the filter.

Various models use a foam and or a paper filter. Some models may have an optional pre-cleaner that can be washed and reused

Refer to the **FEATURES** section in this manual for your engine:

1. Open or remove the cover.
2. To prevent debris from falling into the carburettor, carefully remove the filter from the air filter housing.
3. To loosen debris, lightly tap the filter on a hard surface. If the filter is very dirty, replace with a new filter.
4. Install the filter into the air filter housing. Make sure the filter fits securely in the air filter housing.
5. Install the cover. Make sure all clips are fully engaged.

Service Fuel System

WARNING: Fuel and its vapours are flammable and explosive. Fire or explosion could result in burns or death.

- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Frequently examine the fuel lines, fuel tank, fuel cap, and connections for cracks or leaks. Replace damaged parts.
- Before you clean or replace the fuel filter, drain the fuel tank or close the fuel shut-off valve.
- If fuel spills, wait until it dries before you start the engine.
- Replacement parts must be of the same design and installed in the same position as the original parts. Other parts could result in damage or an injury.

Fuel Filter, if equipped

Refer to the **FEATURES** section in this manual for your engine:

1. Before you clean or replace the fuel filter, drain the fuel tank or close the fuel shut-off valve. If the fuel tank is not drained, fuel leakage could occur and cause a fire or explosion.
2. Use pliers to squeeze tabs on the clamps, then move the clamps away from the fuel filter (A). Twist and pull the fuel lines off of the fuel filter.
3. Check the fuel lines for cracks or leaks. Replace if necessary.
4. Replace the fuel filter with an original equipment replacement filter.
5. Attach the fuel lines with clamps.

Fuel Strainer, if equipped

Refer to the **FEATURES** section in this manual for your engine:

1. Remove the fuel cap.
2. Remove the fuel strainer.
3. If the fuel strainer is dirty, clean or replace it. If you replace the fuel strainer, make sure to use an original equipment replacement fuel strainer.

SERVICE SPARK PLUG

Check the gap with a spark plug gap gauge. If necessary, reset the gap. Install and tighten the spark plug to the recommended torque.

Note: In some areas, local law requires using a resistor spark plug to suppress ignition signals. If this engine was originally equipped with a resistor spark plug, use the same type for replacement.

MAINTENANCE

SERVICE EXHAUST SYSTEM



WARNING



Running engines produce heat. Engine parts, especially muffler, become extremely hot. Severe thermal burns can occur on contact.

Combustible debris, such as leaves, grass, brush, etc. can catch fire.

- Allow muffler, engine cylinder and fins to cool before touching.
- Remove accumulated debris from muffler area and cylinder area.
- Inspect the muffler for cracks, corrosion, or other damage. If damage is found, install replacement parts before operating.
- Remove the deflector or the spark arrester, if equipped, and inspect for damage or carbon blockage. If damage is found, install replacement parts before operating.

Note: In some areas, local law requires use of a spark arrester, maintained in effective working order, on the muffler. If this engine was originally equipped with a spark arrester, use the same type for replacement.

OTHER MAINTENANCE

For other maintenance items, see an Authorised Victa Service Dealer.

If any issues are experienced that are not resolved by standard maintenance procedures, see an Authorised Victa Service Dealer. To find the location of a Authorised Victa Service Dealer, visit victa.com or contact Victa Customer Service on 1800 356 632.

Engine type	Air-cooled, 4 stoke, OHV			
Victa engine model name	VC200A	VC225E	VC550E	VC670E
Bore (mm)	73	72	94.5	78
Stroke (mm)	48	55	78	70
Displacement (cm ³)	201	224	547	669
Torque/rpm**	12.2N.M/ 2500RPM	12.5N.m/ 2500RPM	39.5N.m/ 2500RPM	45N.m/2500RPM
Power/rpm**	4.2KW/ 3600RPM	4.5kW/ 3600RPM	13.2kW/ 3600RPM	16.0kW/3600RPM
rpm setting	3100+/-100	3000 +/-100	3000 +/-100	3000 +/-100
Oil reservoir (L)	0.5	0.6	1.5	1.5 - 2.0
Fuel tank (L)	1.5	1.0	-	-
Oil drain bolt torque (N.m)	20 - 24	20-24	20+/-2	20+/-2
Net weight (kg)	11.75	13	35*	39.5*
Spark Plug Type	F7RTC	F7RTC	F6RTC	F5RTC
Spark Plug Gap (mm)	0.7-0.8	0.7-0.8	0.6-0.8	0.6-0.8
Spark Plug Torque (N.m)	22+/-2	18+/-2	22+/-2	22+/-2
Armature Air Gap (mm)	0.4 - 0.6	0.4-0.6	0.3-0.6	0.3-0.4
Intake Valve Clearance (mm)	0.10-0.15	0.1-0.15	0.10-0.20	0.10-0.15
Exhaust Valve Clearance (mm)	0.10-0.15	0.15-0.20	0.15-0.20	0.15-0.20

* Without muffler, without fuel tank.

**TO SAE J1940

WARRANTY

WARRANTY

Consumer rights

In Australia - Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For warranty service, find the nearest Authorised Service Dealer or contact **Briggs & Stratton Australia on 1300 274 447 or visit www.briggsandstratton.com/au/en_au/support/warranty.**

Warranty Period

Consumer use - 3 years

Commercial use - 2 years

NOTES

Lined area for notes, featuring horizontal ruling lines and a diagonal watermark reading "Not for Reproduction".

Not for
Reproduction

Not for
Reproduction

© 2023 Victa Pty Ltd

Victa is a Trademark of Briggs & Stratton Australia Pty Ltd

ABN 13 006 576 856

All rights reserved. No part of this publication may be reproduced by any means without prior written permission.

All information herein is subject to change without notice.