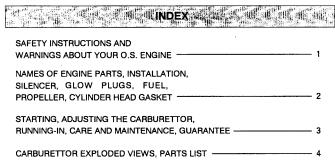
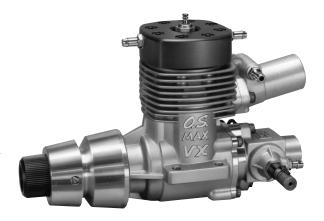
O.S.ENGINE

INSTRUCTIONS FOR O.S. MAX-46VX-M & MAX-46VX-M(ST) ENGINES

It is of vital importance, before attempting to operate your engine, to read this 'SAFETY INSTRUCTIONS AND WARNINGS' leaflet and to strictly adhere to the advice contained herein. Also, please read through the instruction leaflet or manual supplied with the engine, so as to familiarize yourself with the controls and other features of the engine.

Keep this leaflet and the engine instructions in a safe place so that you may readily refer to them whenever necessary. It is suggested that any in a structions supplied with the aircraft, radio-control equipment, etc., are accessible for checking at the same time.





(glowplug, joint, flywheel and exhaust header shown are optional extra.)

SPECIFICATIONS

Displacement	7.45cc (0.455cu.in.)	Practical R.P.M.	2,500~28,000 r.p.m
Bore	22.0mm (0.866in.)	Power output	2.5PS/23,000r.p.m
Stroke	19 6mm (0 772in)	Weight	445a(15 6az)

SAFETY INSTRUCTIONS AND WARNINGS ABOUT YOUR O.S. ENGINE

Remember that your engine is not a " toy ", but a highly efficient internal-combustion machine whose power is capable of harming you, or others, if it is misused or abused.

As owner, you, alone, are responsible for the safe operation of your engine, so act with discretion and care at all times.

If at some future date, your o.s. engine is acquired by another person, we would respectfully request that these instructions are also passed on to its new owner.

The advice which follows is grouped under two headings according to the degree of damage or danger which might arise through misuse or neglect.



Cover events which might involve serious(in extreme circumstances, even fatal) injury.



Cover the many other possibilities, generally less obvious sources of danger, but which, under certain circumstances, may also cause damage or injury.

↑ WARNINGS

- Never touch, or allow any object to come into contact with, the rotating propeller.
- Model engine fuel is poisonous. Do not allow it to come into contact with the eyes or mouth. Always store it in a clearly marked container and out of the reach of children.
- Model engine fuel is also highly flammable.
 Keep it away from naked flame, excessive heat, sources of sparks, or anything else which might ignite it. Do not smoke or allow anyone else to smoke, near to it.
- Never operate your engine in an enclosed space. Model engines, like automobile engines, exhaust deadly carbon-monoxide. Run your engine only in an open area.
- Model engine generate considerable heat. Do not touch any part of your engine until it has cooled. Contact with the muffler(silencer), cylinder head or exhaust header pipe, in particular, may result in a serious burn.



NOTES

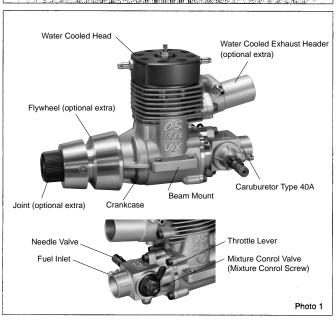
- This engine was designed for model boat. Do not attempt to use it for any other purpose.
- Mount the engine in your model securely, following the manufacturers' recommendations, using appropriate screws and locknuts.
- Fit an effective silencer (muffler). Frequent close exposure to a noisy exhaust (especially in the case of the most powerful high-speed engines) may eventually impair your hearing and such noise is also likely to cause annoyance to others over a wide area.
- For their safety, keep all onlookers (especially small children) well back (at least 12 feet or 4 metres) when preparing your model for running.
- Take care that the glowplug clip or battery leads do not come into contact with the propeller or any other rotating parts. Also check the linkage to the throttle arm.
- When starting your engine, use an electric starter. The wearing of safety glasses is also strongly recommended.
- When you carry the model after starting the engine, be especially cautious. Keep the propeller and other rotating parts away from you.
- Adjust the throttle linkage so that the engine stops when the throttle stick and trim lever on the transmitter are fully retarded. Alternatively, the engine may be stopped by cutting off the fuel supply. Never try to stop the engine physically.
- Warning! Immediately after a glowplug-ignition engine has been run and is still warm, conditions sometime exist whereby it is just possible for the engine to abruptly restart if the glowplug battery being reconnected.

The MAX-46VX-M and 46VX-M(ST) are high-performance engines designed strictly for power boat racing. The MAX-46VX-M(ST) is especially designed to use the straight fuel, while the MAX-46VX-M is designed to use the fuel containing nitromethane - i.e. the only difference between two versions is difference of combustion chamber shape.

CATIONS

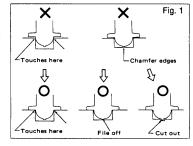
- This engine is designed for power boat racing experts, not for beginners who are not familiar with the handling of the power boat racing engine.
- We do not recommend running your boat on the seas, or in any other saltwater environment. Under such conditions, it is difficult to prevent the engine from becoming corroded and, eventually, inoperative.

NAMES OF ENGINE PARTS



INSTALLATION

- Make sure that the engine sits squarely in the enginebed or mount. If necessary, trim or modify the mount(see sketch) so that only the under-surfaces of the engine's mounting lugs are in contact with the bearer surfaces. Poor installation may not only cause erratic running and loss of power, it may also damage the engine itself by distorting the crankcase, bearings, etc.
- · For the highest performance, we recommend that the engine mount and its surroundings are as heavy and as rigid as possible.
- · Make sure that the engine bearers are parallel and that their mounting surfaces are in the same plane. Use 3mm steel screws, such as Allen type, with locknuts, for bolting the engine to the bearers. If the holes in the mounting beams do not align perfectly with the engine's mounting lugs, enlarge them slightly with a needle file so that the fixing screws go in perfectly. In this case, make sure that no filings, or other foreign matter, are allowed to enter the engine or carburettor
- · The distance between the carburettor air intake and any bulkhead near the engine should be at least 15mm(0.59"), otherwise the induction efficiency will be reduced.
- Clean the model's "engine room" before installing the engine, in order to eliminate the risk of foreign matter such as sandpaper residue, glass wool, dust, etc., being drawn through the carburettor.



SILENCER IN THE PROPERTY OF TH

As these racing type O.S. marine engines have been designed primarily for use with a tuned length exhaust silencer system, a conventional silencer is not supplied. Any of the tuned silencers currently available for .65 to .90 cu.in. engines may be used. Silicone tubing may be employed to connect the silencer to the exhaust adaptor or header pipe. However, remember that, if silicone tubing is exposed directly to exhaust gases, it will deteriorate more quickly. Therefore, when tuning exhaust length to required operating r.p.m., try to limit any exposed length of silicone tube, between the exhaust adaptor and silencer, to not more than 3-5mm (or 1/8"-3/16").

Note:

When a tuned silencer is set to be tuned best at full throttle, the engine will not get out of tune and keep running at high r.p.m. when close the throttle from full throttle to reduce the speed for a turn, while the mixture gets lean to the degree of throttle closing. This may cause connecting rod seizure which will result in connecting rod failure. In order to prevent this, a) close the throttle to idling to get the engine out of tune, then open the throttle to the required position or a) set the

tuned silencer a little longer so that the engine may get out of tune easily when the throttle is closed from full throttle

Note: Be sure to use a pressurized fuel system.

WARNING!

Model engine generate considerable heat. Do not touch any part of your engine until it has cooled. Contact with the muffler(silencer), cylinder head or exhaust header pipe, in particular, may result in a serious burn.

GLOW PLUGS

The type of glow plug used may affect the performance of the engine quite considerably, under different atmospheric conditions and on different fuels. Select the best one by practical tests from available long reach type glow plugs. Recommended O.S. plug is No.8 or R5. When engines are run at very high speeds and on high-nitro fuels, glowplug elements do not last so long. Therefore, have spare plugs readily available when

FUEL (IN CASE OF CONTAINING NITOROMETHANE)

Use only top quality model two-stroke engine fuel containing not less than 18% lubricant. These engine can be run on either low or high nitromethan content fuels, i.e. from mild mixtures containing a few percent of nitromethane, up to high-speed racing fuels containing 40%, or more, of nitromethane. Generally, power output is increased - up to a certain point - as the nitromethane content of the fuel containing more nitro if necessary. When the nitro content of the fuel is increased. As a starting point, we recommend a fuel containing 10-20% nitromethane, changing to a fuel is increased or the brand of fuel is changed, it is advisable to run the engine with a richer needle-valve setting, initially, so that the optimum setting for the new fuel may be rechecked as described in the RUNNING-IN paragraph. Please note that, with high-nitro fuels, although power may be increased for competition purposes, glowplug elements do not last so long and engine life will be shortened.

WARNING!

Model engine fuel is poisonous. Do not allow it to come into contact with 🗥 the eyes or mouth. Always store it in a clearly marked container and out of the reach of children.

Model engine fuel is also highly flammable. Keep it away from naked riangle flame, excessive heat, sources of sparks, or anything else which might ignite it. Do not smoke or allow anyone else to smoke, near to it.

PROPELLERS

Suggested propellers are shown in the Use well balanced propellers

For Dec	p Vees	For Hydro	planes
Diameter(mm)	P/D ratio	Diameter(mm)	P/D ratio
48~50	1.0~1.3	50~58	1.4~1.8

Never touch, or allow any object to come into contact with, the rotating propeller.

CYLINDER HEAD GASKET

ENGINE	Nitromethane content	Head-gasket	
46VX-M(ST)	STRAIGHT (0.06)	TWO(Factory set) (0. 1mm+0. 1mm)	Summer time
	STRAIGHT (0%)	ONE (0. 1mm)	Winter time
46VX-M	MORE THAN 40%	TWO(Factory set) (0. 1mm+0. 1mm)	Summer time
401V-M	LESS THAN 40%	ONE (0. 1mm)	Winter time

It may be necessary to lower the compression ratio when a tuned silencer is set at high-tune(e.g. in heat race), or if glowplugs tend to burn out repeatedly. In such cases, the fitting of an extra cylinder-head gasket is recommended.

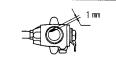
STARTING

Set the needle-valve. Turn the needle-valve clockwise slowly, without forcing until it stops. Then, turn the needle-valve 1- 1/2 turns counter-clockwise.



Turn needle-valve clockwise to close(for leaner mixture)

Turn needle-valve counter-(for richer mixture)



This is to avoid unnecessarily high revolutions when the engine starts

- Heat the glowplug. Connect the battery leads.
- Starting the engine

Fit a starter belt at the flywheel groove and starter cone groove. Depress the starter switch and immediately pull up the starter so that the belt may come into contact with the flywheel. When the engine fires, release the starter from the belt immediately

Attention:

if you apply the starter with the engine flooded or placing your finger over the carburettor intake, the connecting rod may bend and damage the engine.

- Adjusting the needle-valve Adjust the needle-valve to an optimum setting while actually running your model.
- How to stop the engine. Close the throttle fully to cut off air supply.

ADJUSTING THE CARBURETTOR

- This carburettor is not provided with a screw for setting the throttle opening at the idling position. Instead, the throttle is set up as follows:
 - Connect the throttle lever linkage so that the throttle rotor is (a) fully open when the transmitter throttle stick is fully advanced and (b) fully closed when the throttle stick is fully retarded.
- Adjustment of the throttle rotor opening at the idling position can then be made with the throttle trim lever on the transmitter.
- Advance the throttle trim lever so that the throttle rotor opens approximately 1mm from the fully closed position as sketched.
 - Set the needle-valve $1\frac{1}{2}$ turns (depending on the size of the engine and type of fuel) open from the fully closed position, and start the engine.

WARNING

When a watercooled marine engine is started on shore avoid running it at high r.p.m. without load, either by keeping the throttle in the idling position, or by opening the needle-valve to reduce speed. Although the engine is designed to run at high r.p.m. even when new, such components as the cylinder, piston, connecting-rod, etc. will be seriously damaged if they are allowed to become overheated.

- Put the boat on the water before opening throttle and then adjust the Needle-Valve for the approximate best setting.
- 3. The Mixture Control Screw is for adjusting fuel mixture strength at part throttle and idling speeds. Having set the needle-valve as detailed above, close the throttle. The engine should idle continuously and steadily. (If it stops immediately, first try advancing the throttle trim lever on the transmitter to raise the idling speed a little.)
 - (a) If, however, the engine idles unevenly and hesitates when the throttle is re-opened, it is probable that the idling mixture is too rich. Check this by closing the throttle again and reopening it after about 10 seconds. If the engine now puffs out a good deal of smoke and hesitates or even stops, it will be necessary to close the Mixture Control Screw. Therefore, turn it a few degrees clockwise. (Turn the Mixture Control Screw in steps of about 20 degrees only, re-checking the running qualities each time.)
 - (b) If, instead of being set too rich, the Mixture Control Screw is set too lean, the engine will stop when the throttle is closed, or will lose speed while idling and then cut out abruptly (without smoking) when the throttle is opened again. In this case, turn the Mixture Control Screw counter-clockwise.

Mixture Control Screw adjustment is not critical and, by remembering the symptoms of rich and lean running quoted above, it is a simple matter to establish the best setting.

The correct mixture for part-throttle (medium speed) running is automatically controlled by the Mixture Control Screw when it has been adjusted to the best idling setting.

 If, after carrying out mixture adjustments, the idling speed is found to be too high, the throttle trim lever should be moved downward until the desired idling speed is achieved.

Note:

Once the correct carburettor settings have been established, it should be unnecessary to alter them. Such slight needle-valve adjustments as may be required to cope with variations in atmospheric conditions, will not normally affect the other controls. A small readjustment may be required if the fuel and/or plug are changed to different types.

REALIGNMENT OF MIXTURE CONTROL SCREW

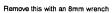
The Mixture Control Screw is factory set at the approximate best position. If, however, the Mixture Control Screw has been tampered with, or moved accidentally, set it at the original position as follows. Screw in the Mixture Control Screw until stops while keeping the rotor fully closed. Then, unscrew 2 ½ turns. This is the original position of the Mixture Control Screw.

CARBURETTOR CLEANLINESS

The minute particles of foreign matter, that are present in any fuel-can, may, by accumulating and partially obstructing fuel flow, cause engine performance to become erratic and unreliable. O.S. 'Super Filters' (large and small) are available, as optional extras, to deal with this problem. One of these filters, fitted to the outlet tube inside your refueling container, will prevent the entry of foreign material into the fuel tank. It is also recommended that a good in-line filter be installed between the tank and carburettor. Do not forget to clean the filters regularly to remove dirt and lint that accumulate on the filter screens. Also, clean the carburettor itself occasionally.

It is also advisable to check the cleanliness of the carburettor periodically. Using the wrench supplied, remove the needle-valve holder from the carburettor body and wash out the interior to remove any minute particles that may have escaped through the filters.







Dirt and fibrous matter mostly accu-

RUNNING-IN ("Breaking-in")

It has been observed that some modellers consider the running in of an engine to be complete after simply running it on a bench mount for a time. This is incorrect. For the best performance, the engine should also be run-in under the same conditions as when it is put to full use. Run-in your engine after installing it in your boat, in the following way.

- 1. For the initial stage, set the needle-valve as much on the rich side as possible without badly affecting the running of the boat. Then, with each successive run, gradually and progressively re-set the needle-valve for increased r.p.m. Set the needle-valve on the rich side for at least the first 10 to 15 runs. If it is intended to use high nitromethane fuels, begin by using one in which the nitromethane content is limited to between 10 to 20 percent.
- 2. When the engine is capable of running at the optimum setting without over heating or loss of power, a fuel of higher nitromethane content may be used. However, each time the nitromethane percentage is increased, always take the precaution of restarting with a rich needle setting for a further trial run.

WARNING

When the engine is installed in the model, avoid running it at high r.p.m. without load just after the engine is started on shore, either by closing the throttle or by opening the needle-valve to reduce speed. Although this engine is designed to run at high r.p.m. even when new, such components as the cylinder, piston, connecting rod, etc. will be seriously damaged if they are allowed to become over-heated. Re-adjust the throttle and/or needle-valve immediately before the model is put in the water.

Note:

The use of a different fuel particularly one containing more, or less, nitromethane and/or a different type or proportion of lubricating oil, is likely to call for some readjustment of the Needle-Valve. Remember that, as a safety measure, it is advisable to increase the Needle-Valve opening by an extra half-turn counter-clockwise, prior to establishing a new setting. The same applies if the silencer type is changed. A different silencer may alter the exhaust pressure applied to the feed and call for a revised Needle-Valve setting. The use of a different glowplug, or changes to the main rotor and its pitch angles may also require compensating carburettor readjustments.

CARE AND MAINTENANCE

- At the end of each operating session, drain out any fuel that may remain in the fuel tank. Afterwards, energize the glowplug and try to restart the engine, to burn off any fuel that may remain inside the the engine. Repeat this procedure until the engine fails to fire. Try to eject residue while the engine is still warm.
- Follow this procedure with the injection of some corrosion -inhibiting oil, rotating the engine by hand to distribute the oil to all working parts. Alternatively, an electric starter may be used if the glowplug is removed. (In this case, hold a clean cloth over the cylinder-head to catch surplus oil that may spray from the glowplug-hole.)

Note

Corrosion-inhibiting oil should be directed into the engine's crankcase, but not into the carburettor itself, as this may cause deterioration of the O-ring seals inside the carburettor mechanism.

These procedures will reduce the risks of corrosion or difficult starting after a period of storage.

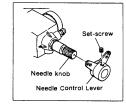
 Finally, when cleaning the exterior of the engine, use methanol or kerosene. Do not use gasoline or any solvent that might damage the silicone fuel tubing.

GUARANTEE

This engine is constructed from the very best materials available and to the very highest engineering standards, using the most advanced precision machinery. However, the extremely high stresses imposed by boat racing operation under very severe conditions, stresses which, exacerbated by the use of powerful fuels containing very high concentrations of nitromethane, constitute hazards which are beyond a manufacturer's control. Accordingly, we regret that it is not possible to extend our usual warranty terms to this particular engine-i.e. no guarantee is offered against material wear, or damage resulting therefrom, in actual use.

Needle Control Lever

By fitting the Needle Control Lever (optional extra) to the needle knob, the needle-valve can be adjusted by radio-control. Before fitting the Lever, remove the needle ratchet spring.



- 9) With the optimum mixture control valve position, light smoke is visible during high-speed running and engine revolutions increase smoothly during acceleration.
 - Remember that, if the engine is operated with the fuel / air mixture slightly too lean, it will overheat and run unevenly or cut out. As with all engines, it is wise to set both valves a little on the rich side of the best rom setting, as a safety measure.
- 10) When the best balance of mixture adjustments has been determined and, especially as the engine becomes fully run-in, it will probably be found that the idling speed has increased.
 - Readjust the throttle opening by means of the trim lever on the transmitter, so that the lowest idling speed, without risk of stalling the engine, may be obtained.

CARBURETTOR CLEANLINESS

The correct functioning of the carburettor depends on its small fuel orifices remaining clear. The minute particles of foreign matter that are present in any fuel, can easily partially obstruct these orifices and upset mixture strength so that engine performance becomes erratic and unreliable.

O.S. 'Super-Filters' (large and small) are available, as optional extras, to deal with this problem. One of these filters, fitted to the outlet tube inside your refueling container, will prevent the entry of foreign material into the

fuel tank. It is also recommended that a good in-line filter be installed between the tank and carburettor. Do not forget to clean the filters regularly to remove dirt and lint that accumulate on the filter screens. Also clean the carburettor itself occasionally.

CARE AND MAINTENANCE

To ensure that you obtain long life and peak performance from your engine, observe the follow-ing.

- ① As previously observed, foreign matter in the fuel can cause problems. Therefore:
- rinse out the fuel tank with methanol or fuel before installing it.
- fit a fuel filter to the fuel delivery tube between tank and carburettor.
- fit a fuel filter to the outlet of your squeeze bottle, or to the pump inlet if you use a manual or electric pump. *
- · do not leave your fuel container open needlessly.
- *O.S. 'Super-Filters' (large and small) are available, as optional extras, to deal with this problem. One of these filters, fitted to the outlet tube inside your refuelling container, will prevent the entry of foreign material into the fuel tank.
- ② Do not forget to clean the filters regularly to remove dirt and lint that accumulate on the filter screens. Also, clean the carburettor itself occasionally.
- 3 At the end of each operating session, drain out any fuel that may remain in the fuel tank. Afterwards, energize the glowplug and try to restart the engine, to burn off any fuel that may remain inside the engine.

Repeat this procedure until the engine fails to fire. Leaving fuel residues within the engine can result in difficult starting after a period of storage. It may also cause corrosion. To reduce such risks, it is helpful to inject some corrosion inhibiting oil into the engine's air intake.

Rotate the engine many times to distribute the oil to all the working parts.

- (4) Drain the water remaining in the water cooling head, and wash out with methanol, then inject corrosion-inhibiting or moisture-displacing oil.
- (5) When cleaning the exterior of the engine, use methanol or kerosene. Do not use gasoline or any solvent that might damage the silicone fuel tubing or any plastic parts of the boat hull.
- 6 When the engine is not in use remove the glowplug and rinse out the interior with kerosene (not gasoline), by rotating the crankshaft. Shake out residue, then inject light machine-oil through the plug hole again rotating the shaft to distribute the protective oil to all working parts.

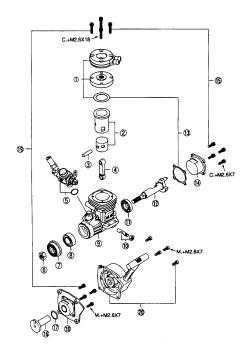
TROUBLE SHOOTING WHEN THE ENGINE FAILS TO START

Four key points
For quick, reliable starting, the following four conditions are required.

① Good compression. ② Adequate "glow" at glowplug. ③ Correct mixture. ④ Sufficient electric starter

If the engine fails to start, or does not keep running after being started, check symptoms against the following chart and take necessary corrective action. **Note:** The most common causes of trouble are marked with three asterisks, the less common problems with one or two asterisks.

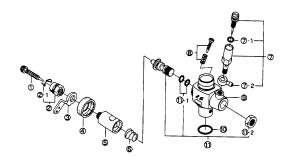
Symptom	Factor	Cause	L	Corrective action
Engine fails to fire.	[**			Recharge the electric starter battery. Recharge lead-acid cell or replace dry battery. (Note: An unused, or almost unused, dry battery may sometimes be of
	2 +	burned out Something wrong with · battery leads.		insufficient capacity if it is 'old stock'.) Replace glowplug. Check that applied voltage is not too high. Check glowplug heating using other leads.
	(a) [**	· ·		Close needle-valve fully and remove glowplug, Apply starter to pump out excess fuel. Re-start engine. Repeat priming procedure.
Engine fires intermittently but	ì	glowplug.		Voltage too high or too low. Re-check and readjust referring to "BEFORE STARTING"
does not run.	3-**	Excess fuel · · · · ·		Continue to apply starter. If necessary disconnect battery from glowplug and leave for a few minutes, then re-energize plug, It engine still does not start, remove glowplug and pump out excess fuel. Then re-start.
	(a)-*	Sluggish rotation. · · ·		Recharge the electric starter battery.
Engine fires once or twice, then fails to fire.	(2- **	Glowplug battery · · · discharged.		Recharge lead-acid cell or replace dry battery. (Note: An unused, or almost unused, dry battery may sometimes be of insufficient capacity if it is "old stock".)
	[3— **	Insufficient fuel · · · ·		Repeat priming procedure.
Engine starts but revol- utions decrease and en- gine eventually stops.	-3-**	*Mixture too rich. · · ·		Close needle-valve half turn (180°) and wait for severa minutes, then re-start.
Engine starts, then revolutions increase and engine cuts out.	-3-*	Fuel not reaching the · · engine.		Make sure that tank is filled with fuel. Check that there is no something wrong with fuel tubing (kinked or split). Check tha carburettor is not clogged with dirt.
Engine stops when battery leads are disconnected	(3- ** (2- *			Close the needle-valve a little. Change fuel or glowplug.
after starting.	- W ***	Mismatch of glow plug - and fuel.	•	change rue or glowping.



ENGINE PARTS LIST

N	٥.	Code No. 15CV·M 15CV·MX		Description
1	D	21240010		Water Cooled Head Assembly
2	5	21503000		Cylinder & Piston Assembly
0		21706	5000	Piston Pin
G	_	21205	5040	Connecting Rod
•		2148	1000	Carburettor Complete(10E)
(6	•	2081	0007	Propeller Nut
0	_	2140	3000	Drive Hub
(E	D	2263	1019	Crankshaft Ball Bearing(Front)
C	D	2150	1020	Crankcase
6	0	2148	1700	Carburettor Retainer
0		21230	0000	Crankshaft Ball Bearing(Rear)
		21202010		
0	9		21202000	Crankshaft
6	3	21214	4020	Gasket Set
1	a	21407030		Cover Plate
. 0	9	21213030		Screw Set
0	6		21421200	Starting Shaft
•	⋑		21221500	Rear Thrust Washer
6	9		21421300	Rear Adaptor
6	9		21213020	Screw Set
(9		73002000	No.4 Recoil Starter Assembly
		71605300		Glow Plug A3
Γ,	*	21225000		871 Silencer
,	*	72110000		881 Universal Silencer
	*	71801040		Flywheel No.1D
[]	*	21342000		Universal Joint Assembly
	*	71530100		Crankshaft Clamp 1012
	*	71521000		Long Socket Wrench

※ Ontional extra parts



CARBURETTOR PARTS LIST

No.	Code No.	Description
0	22481628	Mixture Control Screw
0	22481420	Throttle Lever Fixing Nut
@ 1	22481449	Idle Ratchet
3	22681419	Throttle Lever
4	21283210	Dust Cover
6	21481200	Carburettor Rotor
6	22481506	Rotor Spring
0	21481900	Needle Valve Assembly
Q -1	27881820	"O" Ring (2pcs.)
Ø-2	21481950	Universal Nipple No.12
8	22681310	Throttle Stop Screw (w/Spring)
9	21481100	Carburettor Body
0	22615000	Carburettor Gasket
00	21283962	Nozzle Assembly
1 0-1	24881824	"O" Ring (2pcs.)
()-2	21283961	Locknut

*Type of screw C···Cap Screw M···Oval Fillister-Head Screw F···Flat Head Screw N···Round Head Screw S···Set Screw