



MAKING YOUR DREAMS A REALITY

SET UP MANUAL

TPER-5000 Carb Setting Kit, MC21



Translated from Japanese
by T2 Racing





MC21 NSR250R SP RACE ONLY

☆ Made of T2 racing carburetor kit ☆.

Carburetor Manual

品名	仕様・内容	数量	備考
Main jet	# 160-200 (17 kinds)	2	for keihin
Slow jet	# 40 and 42 (2 kinds)	2	for keihin
Jet needle	D740A (straight diameter 2.765)	2	for HRC
"	D663B (straight diameter 2.775)	2	for HRC
"	D741C (straight diameter 2.785)	2	for HRC
Jet needle clip	Jet needle exclusive E clip	6	for keihin
Needle spacer washer	The set plate part spacer	4	-
Needle jet holder	Made of brass.	2	for HRC
Power jet	# 0.	2	for keihin
Air jet	# 50, 75 and 100	1	for HRC
Top cover gasket	Gasket for top covers	2	for honda
Float chamber gasket	Gasket for float chambers	1	for honda
Exclusive case	Safekeeping case of parts of jet kinds	1	-
Cab arrangement manual	Our material	1	-

※ Attention

- (1) This cab arrangement kit is a race exclusive part. Please never use on the general highway.
- (2) When this cab arrangement kit was manufactured for plays, so what kind of reason will there be? It can't be guaranteed.
Claim return after kit part attachment isn't accepted at all.
- (3) Please be sure to use each SP harness limiter cut cab box blank plug.
The run by inclusion only of a cab arrangement kit is very dangerous, so please never do.
Please don't use a normal air cleaner box.
- (4) Remove an oil pump and please be sure to use blank plug by the mix specification.
Please never do use by the specification separate.

☆ Setup of a cab arrangement kit ☆.

© Blank plug of an oil pass pipe

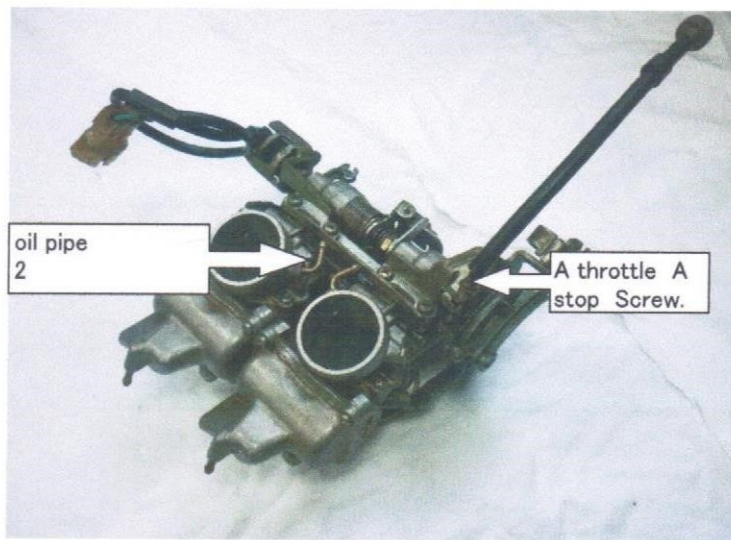
For change to the mix specification, blank plug do an oil pass pipe for epoxy adhesive, please.

© Removal of a idling adjustment screw

Idling isn't necessary, so please remove a throttle stop screw.

© Removal of an oil pump

Please remove the oil pump body for change to the mix specification and do blank plug for an exclusive plate.



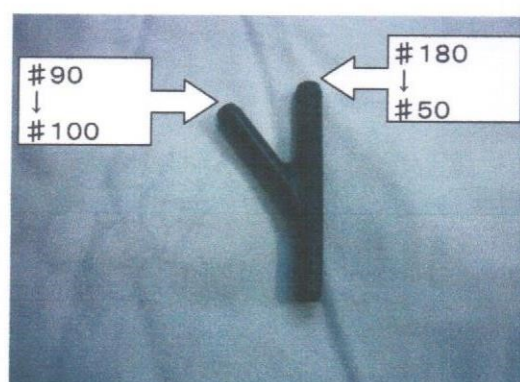
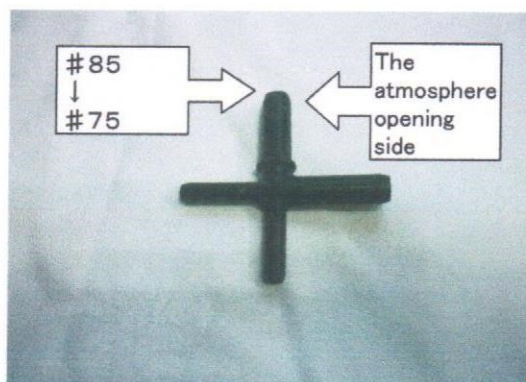
© The change of the strikes of an air jet

* Air jet of the cross joint which is between the solenoid-controlled valve and the carburetor body and a Y letter joint. It's exchanged for a jet of a O kit accessory.

※ Normal# strikes and changes the straight side of the Y letter joint in# 50 from 180.

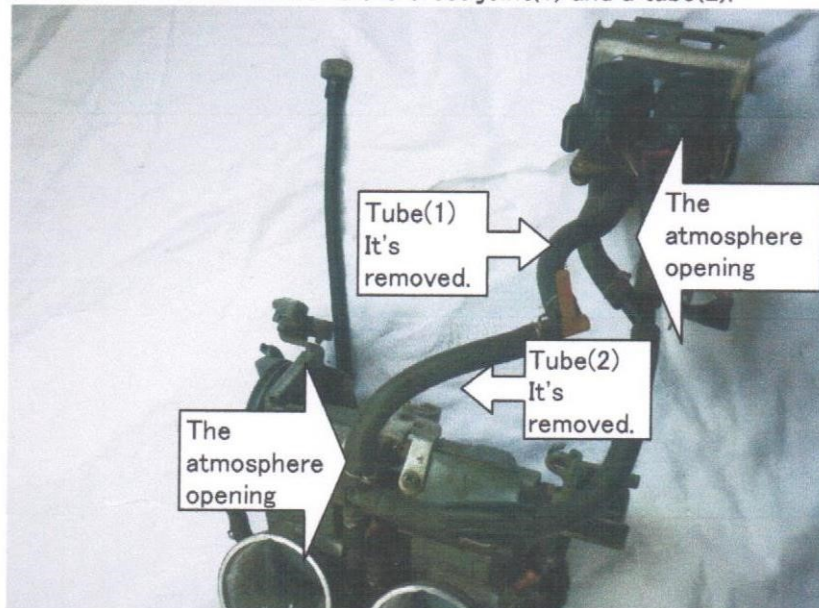
※ The branch side of the Y letter joint strikes and changes normal# in# 100 from 90.

※ Normal air jet# 85 driven into the atmosphere opening side of the cross joint.
Empty# is struck and changed in 75.



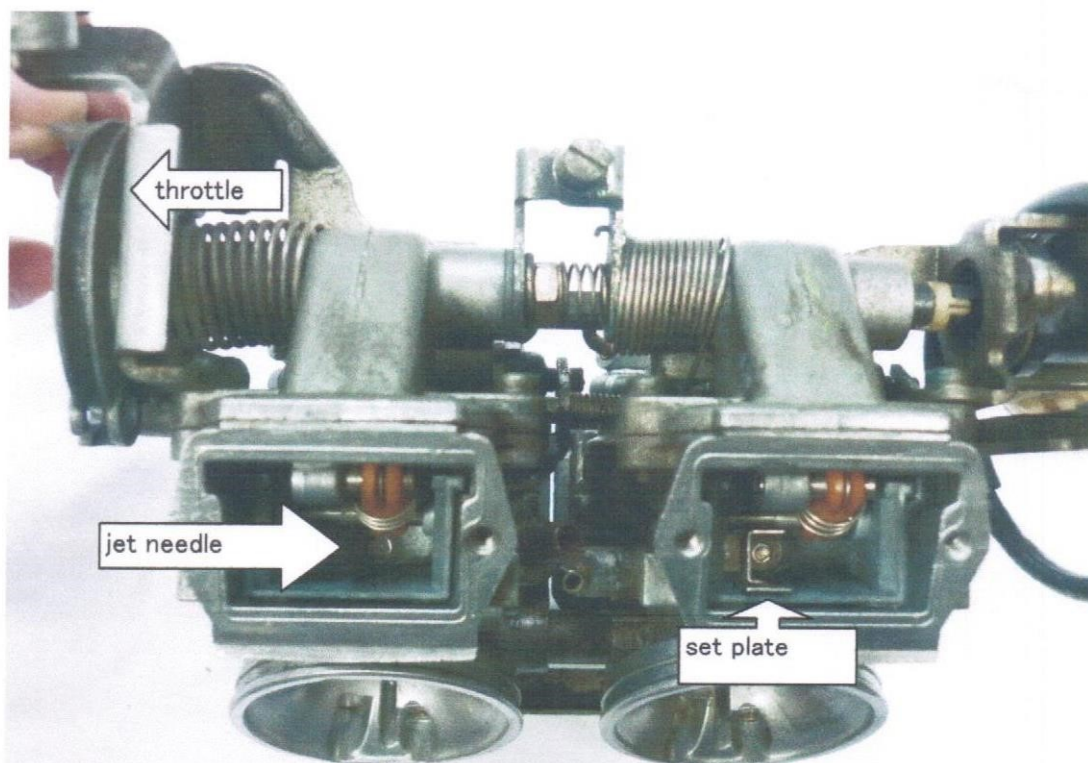
© Tube removal around the solenoid

* It's removed and does the atmosphere opening of a tube between the solenoid-controlled valve and the cross joint(1) and a tube(2).



© Exchange of a jet needle

- * 2 4mm screws of each cap are removed, and a top cap is removed.
- * When a gasket is in the state which can't be used, it's changed in a gasket for top caps of an accessory.
- * The throttle is made opening and a set plate is pulled out for radio pliers.
- * A jet needle of normality and a jet needle of an accessory are replaced.
- ※ It follows how to install it a separate sheet of paper and a needle spacer washer.



© How to install it a needle spacer washer

- * A spacer washer of an accessory is glued together on the jet needle contact area side of the set plate.
- * Gluing is glued together tightly by a bond for shock resistant and metal, and makes sure that it won't be omitted.
- * Glue together in YO where a hole of a spacer washer will be a center of the hole on the set plate side.
- * 2 needle spacer washers are making them attach sparely.



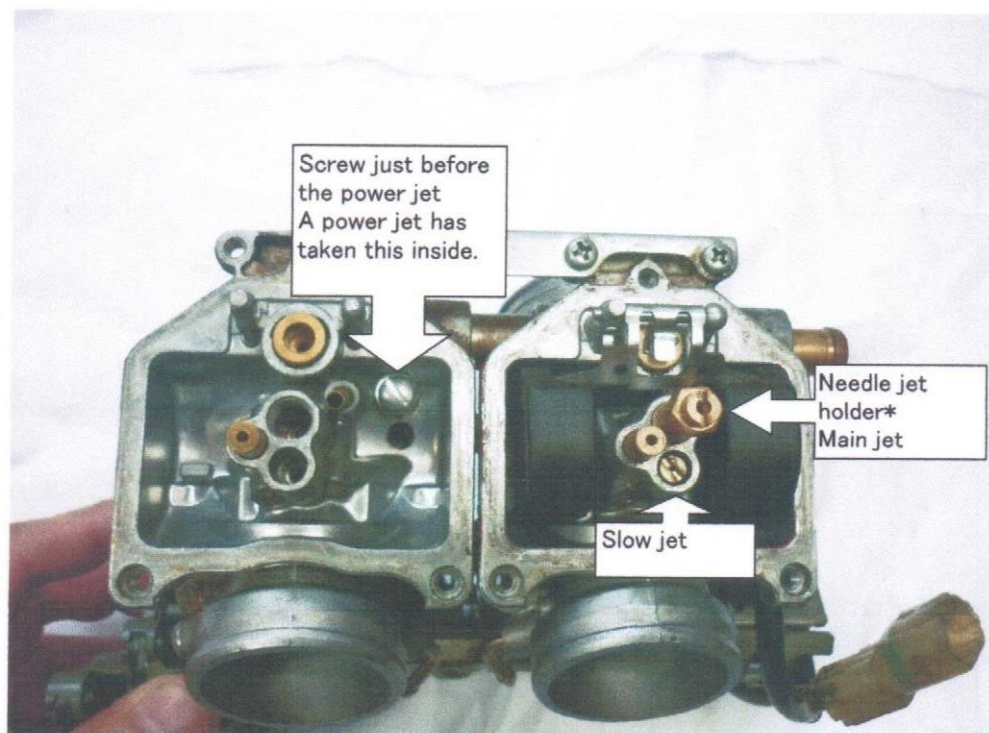
© Exchange on a jet holder jet relation

- * Each 3 cab 4mm screws are reduced, and a float chamber on the carburetor body underside is removed.
- * A float, the screw just before the power jet which pulls out a float pin, removes and has that in the inside, removal A power jet is changed in# 0 of a kit.
- * A needle jet holder main jet slow jet of normality is exchanged for something of a kit.
- * It's assembled by a reverse procedure.

※ Attention

Be careful so as not to tighten a needle jet holder too much.

After turning it until it doesn't tighten any more by hand first, please tighten up about 30 times for 8mm of a wrench. The torque tightens up and is 0.17kgf and cm.



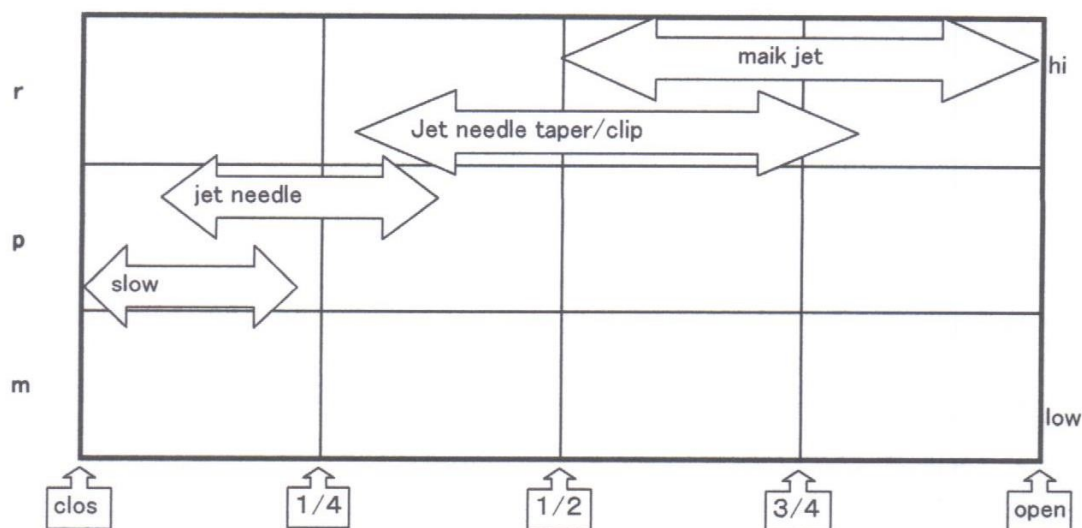
☆ About a warm-up ☆

- (1) An engine is started and the engine rotation number is kept by 3000-4000 revolution.
I depend until the temperature of the cooling water will be 40 times in this state.
※ A water temperature meter avoids something analog pure and exchanges it for something digital by which a system seems as high as possible.
- (2) If the water temperature comes beyond 40 times, please begin a racing by about 7000 revolution.
Please a throttle be opened slowly, it be separated quickly and it be closed.
Please continue the racing until the mosquito yellowtail of a plug can be passed.
It's continued until the water temperature will be 60 times. I'm careful of YO where the temperature doesn't rise any more.
※ Don't use something of normality for a plug and change racing plug# in 10.
※ Recommendation makes something of RS250 an ignition coil.

☆ About a cab set ☆

- (1) First the range of the straight diameter of the air screw slow jet jet needle is put together.
If the water temperature will be 60 times, an accelerator is being opened slowly even about 9500 revolution, and it's a needle of a tachometer.
It's confirmed whether it rises smoothly.
If it's the feeling which caught, I can think it's thick.
When a tachometer is the symptom which jumps up with PYOKO, I can think it's thin.
Next I try whether the number of rotations can be fixed at the location of the street where one thought. The needle which is a tachometer then.
When swinging and not becoming stable, I can think it's thick.
I can think the occasion which rises suddenly again is light.
Please check it by the grip divergence and set it.
- (2) Next the needle taper clip number of rows and the range of the main jet are put together.
The point is same as(1), but please check the number of rotations and the accelerator divergence.
It's 1000 revolution unit from 5000 revolution, a throttle, kyuukai, please, please go. This, about 10000 revolution
Oh, I keep going out.
Now is also a revolution like(1), you can blow and please check how to rise and a tachometer.
Please also check the throttle divergence.
Please be careful about a movement of a needle of a tachometer in the neighborhood 9000 revolution and see.

- ※ The cab arrangement is different depending on the temperature, the humidity and high*.
- ※ The number of the basic main jet is being set each other from something big.
- ※ It isn't set only by a racing and I'm mixing while running in the course.
- * A main jet is judged by straight.
- * A slow jet is judged by the luck of the throttle.
- * A jet needle (the straight diameter) is judged from section rising.
- * A jet needle (the number of rows) is judged from section rising straight.
- * An air screw is judged from rising of a section from the luck of the throttle.
- ※ The tendency of the change by the weather conditions is as follows.
- * Cold air.....-> it'll be is made dark.
- * Warm air.....-> it'll be is made thin.
- * The air which became moist.....-> it'll be is made thin.
- * Dried air.....-> it'll be is made dark.
- * An altitude makes high* and-> which becomes dark thin.



←The throttle divergence

☆ DATE ☆

temperature	0	5	10	15	20	25	30	35	40	45
main jet	200	188	185	178	172	170	168	165	162	160
slow jet	42	42	42	40	40	40	40	40	38	38
jet needle	A	A	A	B	B	B	B	C	C	C

※ It'll be a reference dater thoroughly.

Please make it the comparative examination material with your data.

※ The unit is the degree for the temperature.

※ A main jet is the numerical value of the rear bank side. A step is thick on the front bank side.

Please do or make the second dan dark.

※ A slow jet is the numerical value of the rear bank side. The front bank side is also by the same gage first.

It's good, but please make the step dark according to a case.

※ A jet needle mentions only the end turn of the kit needle.

※ Please set an air screw to return it 1/2 revolution with 1 from basic zenpei.

※ How to measure the temperature is made the well ventilated shade.

© Additionally notice

* Arrangement changes with the specification of the body. Please add to your body.

* It can't be used in MC28.

* For carburetor parts and a needle jet holder, etc. to wear away, it's exchanged periodically.

Do.

* Please take a DETONE measure by unleaded PGM and base packing 0.6mm Hitoshi.

* Please use 2 strokes of for mix and lacing oil for oil.

* Because a set comes off when getting away more than 5 times when cooling water runs, before and after I aim at about 60 ti

Please cancel to run.

* Make markings on a throttle grip as the accelerator divergence is easy to understand.

O is recommended.

* They maintain a vehicle periodically and seem able to keep output of an engine fixedly.

Please always complete it.

* After keeping the condition of the vehicle and the run fixedly, please boil down a little and go.

* Please use lead-free gasoline for gas.

* A jet two DORU exchange the time and a tip, in case of a carburetor body, in a fixed position, nyuu

There is a thing you don't have, so please add a finger and set it certainly.

* The carburetor body puts it in an insulator certainly and tightens up, and is a band.

Please tighten up tightly.

* When using a ram force box, it's different in a set.

MJ 200	MJ 198	MJ 195	MJ 192	MJ 190	MJ 188	MJ 185	MJ 182	MJ 180
MJ 178	MJ 175	MJ 172	MJ 170	MJ 168	MJ 165	MJ 162	MJ 160	PJ 0
SJ 42	SJ 40	十字 joint 75	Y字 joint 100	Y字 joint 50	jet holder		needle spacer Washer spare	needle clip
jet needle D740A			jet needle D663B			jet needle D741C		