

Force Master 2



MALOSSI

- Con il potenziometro posizionato sul segno “ - ” si ha una regolazione di -20%.
- Con il potenziometro posizionato sul segno “ + ” si ha una regolazione di +20%.
- Regolando il potenziometro tra questi due punti si aggiungerà o sottrarrà una quantità di carburante proporzionale a quanto la tacca viene spostata dallo zero.

Regolazione

- Per selezionare la curva adatta, cominciare verificando che tutti e tre i potenziometri siano posizionati sullo zero.
- Procedere quindi selezionando la curva che corrisponde alla configurazione del proprio veicolo.

- Questo consentirà al veicolo di ottenere prestazioni migliori ad ogni RPM.
- Qualora la configurazione/ preparazione del vostro veicolo non corrisponda a quella indicata nel paragrafo “Funzionamento”, è possibile procedere con un’ulteriore messa a punto regolando i potenziometri come suindicato.

ATTENZIONE:

Si raccomanda di non procedere con le regolazioni con veicolo in movimento.

Speriamo che lei abbia trovato sufficientemente esaustive le indicazioni che precedono. Nel caso in cui qualche punto le risultasse poco chiaro, potrà interpellarci per iscritto compilando l’apposito modulo inserito nella sezione “contatti” del ns. sito Internet (malossistore.com). Ringraziamo fin d’ora per le osservazioni e suggerimenti che vorrà eventualmente farci pervenire. La Malossi si commiata e coglie l’occasione per complimentarsi ulteriormente con Lei ed augurarle un Buon Divertimento. In BOCCA al LUPO e... alla prossima.

Le descrizioni riportate nella presente pubblicazione, si intendono non impegnative. Malossi si riserva il diritto di

apportare modifiche, qualora lo ritenesse necessario, al fine di migliorare il prodotto, e non si assume nessuna responsabilità per eventuali errori tipografici e di stampa. La presente pubblicazione sostituisce ed annulla tutte le precedenti riferite agli aggiornamenti trattati.

Garanzia

Consulta le condizioni relative alla garanzia sul nostro sito malossistore.com.

Prodotti riservati esclusivamente alle competizioni nei luoghi ad esse destinate secondo le disposizioni delle competenti autorità sportive. Decliniamo ogni responsabilità per l'uso improprio.

Technical details

- Carburetion adjusting
- ± 20% at min/medium/max
- RPM limiter shifted to 9500 RPM
- 4 different maps:
 - » **Curve 0:** original twin-cylinder, original camshaft, Malossi exhaust system, Malossi air filter
 - » **Curve 1:** Malossi pistons Ø66, Malossi camshaft, Malossi exhaust system, Malossi air filter
 - » **Curve 2:** Malossi twin-cylinder Ø70, original camshaft, Malossi exhaust system, Malossi air filter
 - » **Curve 3:** Malossi twin-cylinder Ø70, Malossi camshaft, Malossi exhaust system, Malossi air filter

Assembly instructions

CDI assembly

- Place the **Force Master 2** CDI under the seat (**Fig. 3**) and run the wires to the engine, taking care that they will not be damaged.
- Connect the electrical tap included into the Malossi kit to the yellow wire of the connector located on the throttle body (**Fig. 2 - Fig. 5**, point 1).
- Connect the yellow wire which comes from the CDI to the electrical tap connector (**Fig. 5, part. 1**).

WARNING

Once the wire is connected to the electrical tap connector we suggest to tape the wire bunch,

to avoid electrical tap vibrations damaging the wires.

- Disconnect the injector and connect it to the two pairs of connectors on the Malossi CDI (**Fig. 6**).
- Connect the black wire (negative pole) which comes from the Malossi CDI on the engine in the variator cover. (**Fig. 4**).
- Locate the SMALL faston (orange wire) connected to the original coil and disconnect it (**Fig. 1-A / 1-B**).
- Insert the faston which comes from the Malossi ECU (orange wire) to the original coil.
- Connect the original wire to the ECU's bypass to complete the circuit (**Fig. 1-A / 1-B**).
- Fix the CDI.

functioning correctly, if the green LED does not illuminate when the ignition is switched on, then this indicates no power to the ECU. Make sure that you have properly connected the wiring harness.

Working

The **Force Master 2** CDI is preprogrammed with 4 base fuel curves. The curves are selected using the switch labeled MAPS.

These curves adjust fuel delivery based on throttle position and RPM, providing the right amount of fuel under all conditions. The 4 fuel curves correspond to varying levels of modifications.

The levels of modification are broken down into the following groups:

- **Curve 0:** original twin-cylinder, original camshaft, Malossi exhaust system, Malossi air filter
- **Curve 1:** Malossi pistons Ø66, Malossi camshaft, Malossi exhaust system, Malossi air filter
- **Curve 2:** Malossi twin-cylinder Ø70, original camshaft, Malossi exhaust system, Malossi air filter
- **Curve 3:** Malossi twin-cylinder Ø70, Malossi camshaft, Malossi exhaust system, Malossi air filter

The Malossi CDI is supplied with curve 1 and zeroed potentiometers.

In addition to the 4 curves, there are 3 potentiometers that allow you to fine tune the curve you

select. These potentiometers allow you to adjust the fuel curve from +20% to -20% in 3 different RPM ranges:

- » **low:** 0 – 2,000 RPM
- » **mid:** 2,000 – 6,000 RPM
- » **high:** 6,000 – max RPM
- To add fuel, turn the potentiometers clockwise.
To subtract fuel, turn the potentiometer counterclockwise.
- With the potentiometer pointed straight up at the zero mark (towards the Malossi logo), that is 0% adjustment.
- With the potentiometer pointed straight up at the “ - ” mark is -20%.
- With the potentiometer pointed straight up at the “ + ” mark is +20%.

- Adjusting the potentiometer between these points will result in adding or subtracting an amount of fuel proportional to how far the knob was moved from zero.

Calibration

- To select the right curve, start by making sure that all 3 of the RPM pots are set to zero adjustment.
- Then select the base curve which corresponds to the vehicle level of modification.
- This should make the vehicle run better at all RPMs.
- In case the configuration/ setting of your vehicle does not correspond to any of those indicated in the paragraph “Working”, it is possible to get a new tuning adjusting

the potentiometers as above explained.

WARNING

Do not attempt to adjust while riding.

We hope you found the above instructions sufficiently clear. However, if any points are not particularly clear, please contact us completing the special form inserted in the “contact” section on our Internet site (malossistore.com). We thank you in advance for any comments and suggestions you may wish to send us. So goodbye from us all at Malossi, and please accept our compliments. Have Fun. GOOD LUCK and ... see you next time.

The descriptions in this publication are not binding. Malossi reserves the right to make modifications, if it considers them necessary, and does not accept any responsibility for any typographic or printing errors. This publication replaces all previous publications referring to

the updating matters contained therein.

Warranty

Look up warranty terms in our website malossistore.com.

These products are reserved solely for races in locations reserved for those purposes and in accordance with the regulations issued by the competent authorities for sports events. We decline any and all responsibility for improper use.

- Pour augmenter le flux du carburant tournez le potentiomètre dans le sens des aiguilles d'une montre. Pour diminuer le flux, tournez le potentiomètre dans le sens inverse des aiguilles d'une montre.
- Avec le potentiomètre positionné sur le zero (tourné vers le logo Malossi) on a une régulation du 0%.
- Avec le potentiomètre positionné sur l'encoche “ - ” on a une régulation de -20%.
- Avec le potentiomètre positionné sur l'encoche “ + ” on a une régulation de +20%.
- En réglant le potentiomètre entre ces deux positions vous pouvez ajouter ou enlever une quantité de carburant

proportionnelle au déplacement de l'encoche du zero.

Régulation

- Pour sélectionner la courbe appropriée, il faut commencer en vérifiant que les 3 potentiomètres soient positonnés à zéro.
- Procédez en sélectionnant la courbe qui correspond à la configuration de votre véhicule.
- Cette opération consentira au véhicule d'obtenir prestations optimales dans tous les RPM.
- Si la configuration/ préparation de votre véhicule ne correspond pas à celle indiquée dans le paragraphe “Fonctionnement”, il est possible de régler ultérieurement les

potentiomètres comme indiqué précédemment.

ATTENTION

nous vous recommandons de ne pas régler le véhicule en marche.

Nous espérons que vous avez trouvé suffisamment claire les indications qui ont précédé. Dans le cas où certains points ne vous seraient pas clairs, il vous est possible de nous interroger en remplissant le module se trouvant dans la section "contact" de notre site internet (**malossistore.com**).

Nous vous remercions d'avance des éventuelles observations et suggestions que vous voudrez bien nous faire parvenir. Malossi prend maintenant congé et profite de l'occasion pour vous féliciter une fois encore et vous souhaiter un Bon Divertissement. BONNE CHANCE et...à la prochaine!

Les descriptions reportées dans cette publication n'engagent à rien. Malossi se réserve le droit d'apporter toutes les

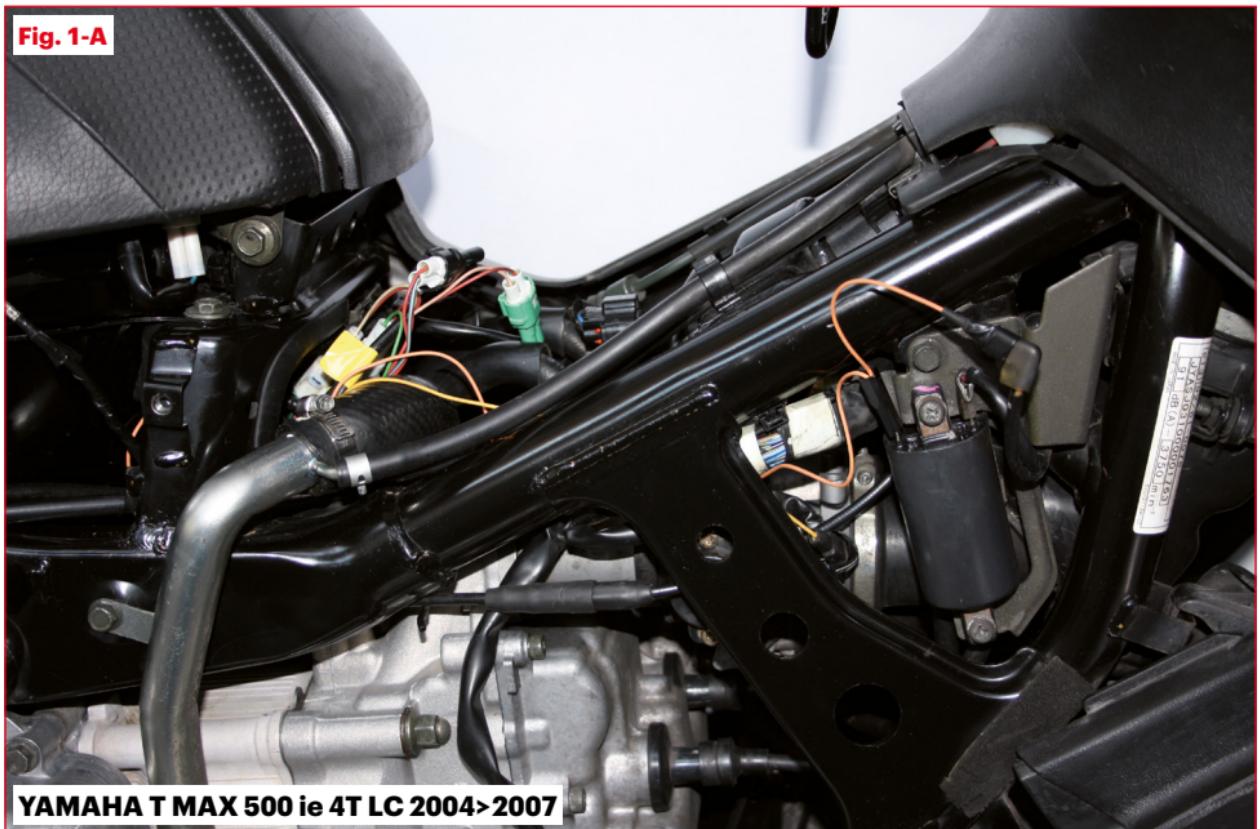
modifications qu'elle jugera nécessaires et décline toute responsabilité pour d'éventuelles coquilles et erreurs d'impression. Cette publication remplace et annule toutes les publications précédentes relatives aux thèmes mis à jour.

Garantie

Consultez les conditions relatives à la garantie sur notre site **malossistore.com**.

Ces articles sont uniquement destinés aux compétitions dans les lieux qui leur sont réservés, conformément aux dispositions des autorités sportives compétentes. Nous déclinons toute responsabilité en cas d'utilisation abusive.

Fig. 1-A



YAMAHA T MAX 500 ie 4T LC 2004>2007

Fig. 1-B



YAMAHA T MAX 500 ie 4T LC 2008->

Fig. 2



Fig. 3



Fig. 4



Fig. 5

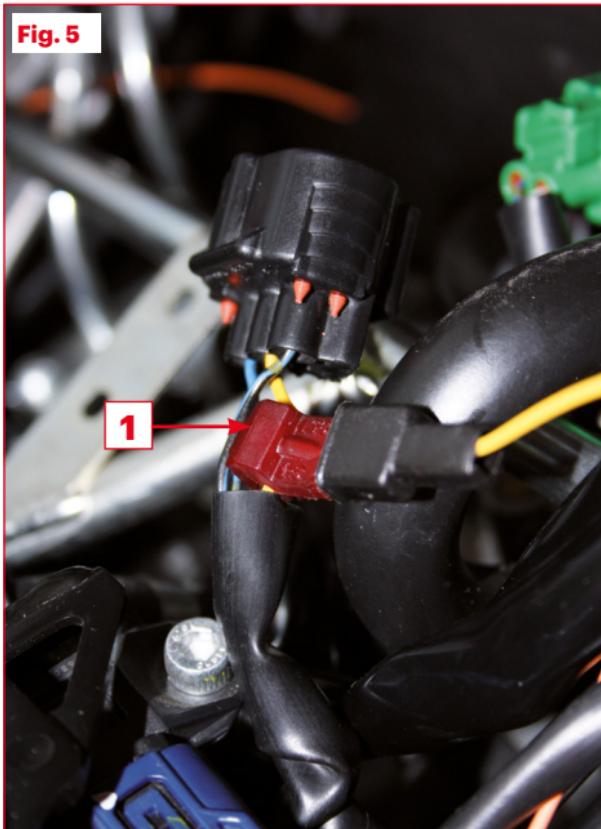


Fig. 6

- Collegare gli iniettori originali alla centralina Malossi come indicato in figura.
Nella centralina Malossi il cilindro 1 e 2 non sono predefiniti, l'importante è non incrociare il cablaggio degli iniettori.
- Connect the injectors to the Malossi ECU as shown in the figure.
The Malossi ECU does not indicate cylinder 1 or 2.
It is important not to cross the injector wires.
- Connecter les injecteurs d'origine au boîtier MALOSSI comme indiqué par le dessin.
Sur le boîtier Malossi le cylindre 1 et 2 ne sont pas pré définis, l'important est de ne pas croiser le câblage des injecteurs.

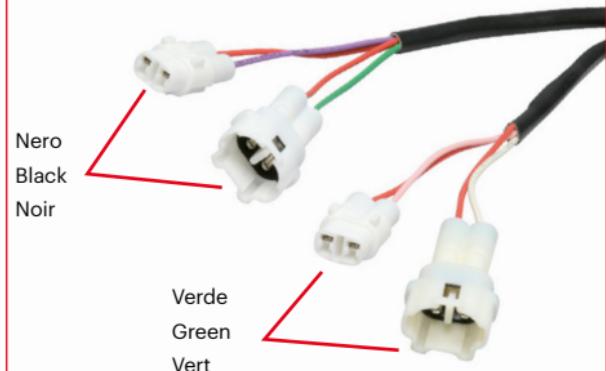
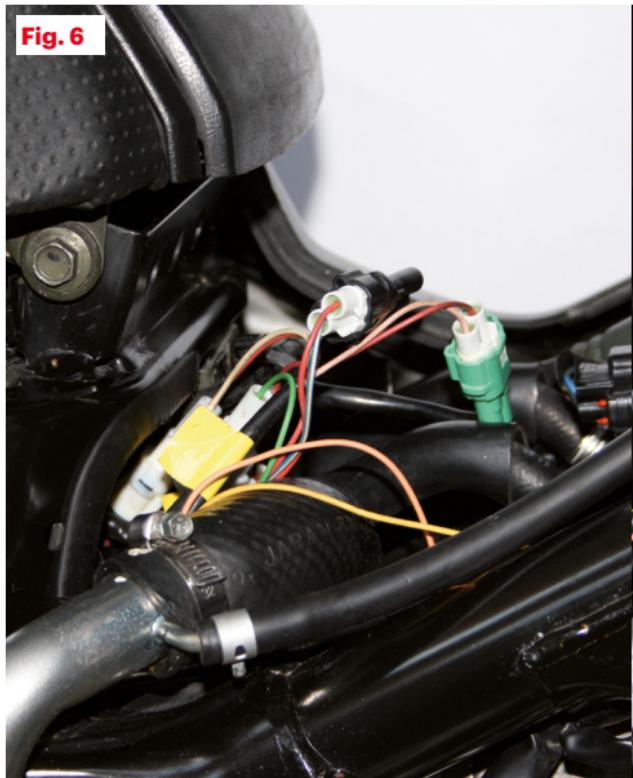
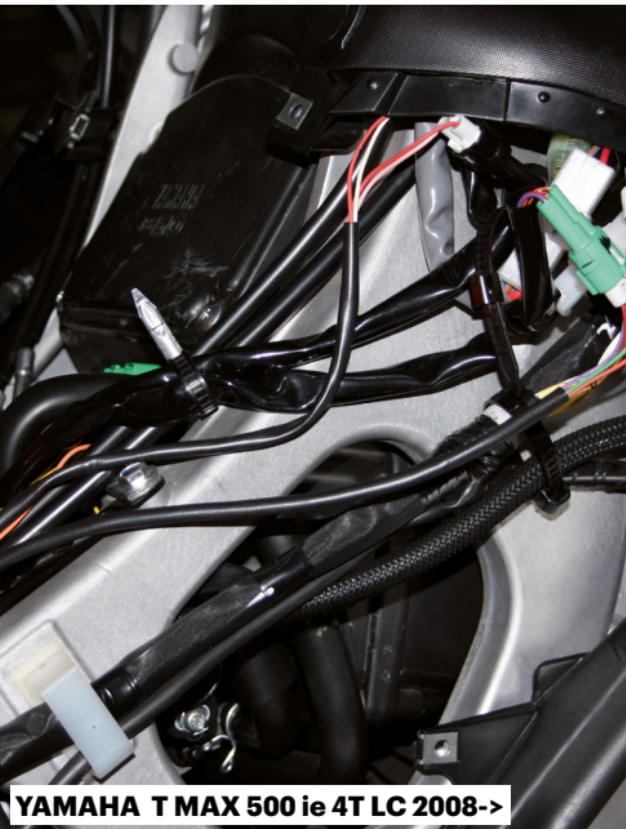


Fig. 6

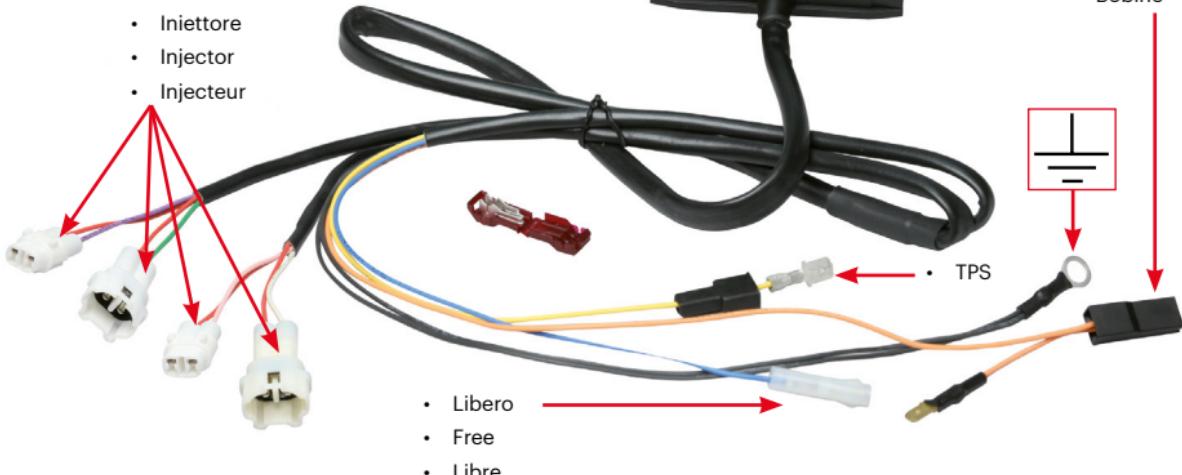


YAMAHA T MAX 500 ie 4T LC 2004>2007



YAMAHA T MAX 500 ie 4T LC 2008->

Fig. 7



FORCE MASTER 2

Accensioni - Centraline

Ignitions - Controllers

Allumages - Boîtiers

 **MADE IN ITALY**

AGITARSI / PRIMA DELL'USO

Our Ignition -
Controllers Univers



malossi.com


MALOSSI

06/2021 - 7314756