



TM206 Install Manual

YAMAHA 6 HP 1999-2012

YAMAHA 8 HP 1999-PRESENT (Including High Thrust)

YAMAHA 9.9 HP 2008-PRESENT (Including High Thrust)

Read through the entire instruction manual prior to installing the TrollMaster.

It is advised that you test your electronics before running your wiring through the boat, see instruction number 7 for further details on connecting to a power source.

TrollMaster is a precision throttle control designed to achieve the maximum in trolling speed accuracy. The memory feature included in this control will allow returning to the best fishing speed time and time again. Whether you are pulling your bait or back trolling, TrollMaster is the answer to your speed control needs. Spend your time trolling, not going to the motor to adjust the speed.

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THROTTLE CAM INSTALLATION

1. Disconnect the Yamaha throttle rod from the Yamaha cam by removing the rod from the white rod retainer. Remove the Yamaha cam by removing the center bolt holding the cam assembly together. Be sure not to disrupt the cam stack while exchanging the Yamaha cam for the TrollMaster cam.



^Photo above shows cam location

A. Remove Yamaha Cam. (Shown installed)



B. Remove white rod retainer from Yamaha Cam



C. Install white rod retainer in TrollMaster Cam



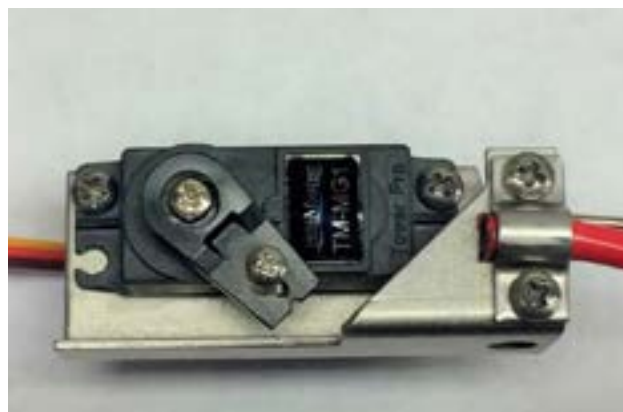
D. Install TrollMaster Cam. as shown.





SERVO BRACKET INSTALLATION

2. Install servo motor in servo bracket as shown.



3. For motors with electric choke (shown below on right) and manual choke (shown below on left), install servo bracket in position indicated by red arrow. Manual choke motors use the supplied bolt to mount servo bracket. Electric choke motors can use the existing bolt holding the black choke bracket to mount the servo bracket. See next page for photo of installed bracket.

Manual choke



Electric choke





SERVO BRACKET INSTALLATION

4. For both manual and electric choke motors, install servo bracket as shown below.

Motor with Manual Choke



Motor with Electric Choke





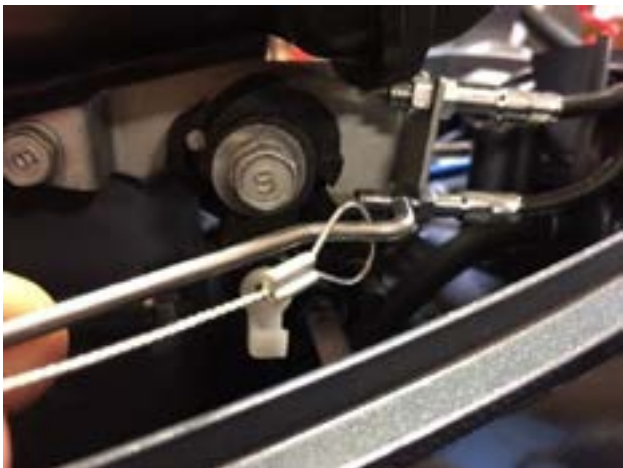
SERVO CABLE INSTALLATION

5. Remove Yamaha throttle rod from the TrollMaster cam that was previously installed on step 1 and slide cable loop over the rod as shown below.

Remove rod from white rod retainer.



Slide cable over throttle rod then return rod to cam and snap white rod retainer in place as shown.





SERVO CABLE INSTALLATION

- Slide cable loop up the Yamaha throttle rod and thread the other end of the cable through the orange cable sleeve on servo bracket, stopping before going through the servo arms brass barrel. You'll need to set the servo arm position before installing the cable through the brass barrel on the servo arm, see next page for those instructions.



CONNECTING TO A POWER SOURCE

- Prior to running the wiring through the boat it's advised that you test the TrollMaster electronics by hooking to a power source, turning the controller on, plugging in the TrollMaster servo motor and if you have the TrollMaster PRO3 or Wireless PRO3 PLUS and you purchased the Panther Electro Steer to steer your kicker motor, plug in the Electro Steer and test that as well to be sure everything works properly prior to final installation. See supplied operating instruction for further details on operating these devices. Hook the TrollMaster to your 12 volt power source; **Red wire to +12 volts DC** and the **Black wire to -12 volts DC**.



SET THE SERVO ARM

8. After connecting to your power source, turn the controller on and put it in IDLE mode. When in IDLE mode, plug in the multi colored servo motor wiring to the mating servo control wire from the TrollMaster controller. Once this is done you can set the servo arm position and install the servo cable.

To set the servo arm position, remove the screw in the center of the arm (**Fig. A/B.**) and pull the servo arm off the servo body, the servo arm is mounted on a spline stud so pull the arm off the servo body without turning (**Fig. C.**). Then hold the servo arm in the 4 o'clock position (**Fig. D.**) and push it back on the spline stud returning it to the servo body and secure it in place with the screw (**Fig. E.**).





FINAL SERVO CABLE INSTALL STEPS

9. After the servo arm is set and the cable is run through the servo arm brass barrel (**Fig. E., previous page**), be sure the cable is seated against the brass connector on the Yamaha throttle mechanism (**Fig. F., previous page**) when pulling the cable snug so the slack is removed. Once pulled tight and the slack is removed, tighten the set screw on the servo arm brass barrel. Tip: Holding the brass barrel with a small needle nose pliers will help when tightening the set screw. Be sure the throttle remains closed when removing slack from cable. After securing the set screw, while the outboard motor is NOT running, use the TrollMaster controller and operate the servo motor while watching the outboard motor throttle linkage to verify it is operating properly before securing the cable with the provided crimp.



10. Once you have verified the servo cable is installed properly, slide the supplied crimp over the end of the servo cable sticking out of the barrel and crimp it down with a pliers. This will prevent the servo cable from slipping should the screw ever vibrate loose while in operation.

Once finished it should look like this.





TrollMaster Replacement Parts:

TrollMaster Servo Motor (TM-MG1)

Note: A Servo Arm is included with the purchase of a replacement Servo Motor.

TrollMaster Servo Arm (TM-Servo Arm)

Note: A replacement screw to mount the Servo Arm to the Servo Body is included with the purchase of a replacement Servo Arm.

TrollMaster Hardware Kit (TMXXXHRDWRKIT)

Note: Replace the XXX with the Kit number that applies to your outboard motor. See the Application Guide for kit number. Example: TM206HRDWRKIT.

TrollMaster Electronics Unit Only (TMXXXUNITONLY)

Note: Replace the XXXX with the model of Replacement TrollMaster

Electronics you wish to purchase. Comes with controller and wiring only, does not include servo motor or hardware kit. Examples: TMPROUNITONLY, TMPRO2UNITONLY, TMPRO3UNITONLY.

To Order Replacement Parts:

If you would like to order any of the above mentioned replacement parts check with your local retailer, if they do not have the item in stock they can order it for you or you can order from us directly. For pricing and availability call **1.604.940.2010**

Installation Guides:

The installation Guide on this disk can also be found online at trollmasters.com/installation-guides where you will find the Installation Guides for every motor we make a kit to fit. The Application Guide is also on the same web page; the Application Guide shows the full list of motors we make kits to fit with the product part numbers for those kits.



SERVICE AND WARRANTY

Should your unit ever require service please *do not return the product to your dealer.*

Instead call the number below for special instructions on shipping and handling. Be sure to call between 9 00 AM and 5.00 PM (Pacific Time) Monday through Friday. If the service required is covered by the warranty, it will be repaired or replaced as described below. If the service required is NOT covered by warranty replacement parts are available for purchase and paid for by a major credit card.

The warranty coverage on this equipment is limited to the terms set forth below:

CMP Group LTD. warrants this product to be free of defects in material and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. Positive proof of date of purchase is required for warranty service. If the service required is covered by warranty, you must obtain a **Return Authorization number** from CMP Group . The unit will be repaired or replaced with new or factory rebuilt parts at no charge. The defective components must be returned to the address specified, with shipping charges prepaid. Be sure to include your name, address, telephone number and a copy of the sales receipt showing the date of original retail purchase. All sales receipts are subject to verification.

This warranty does not apply if the unit has been damaged by accident, abuse, misuse, poor installation or misapplication, or if it has been modified from its original condition, or if any serial number has been removed or defaced or altered. This warranty does not cover any expense to remove or reinstall the unit or any of its components. If a returned unit is not covered by warranty, the sender will be notified and given an estimate of the charges to repair or replace the unit together with the return shipping charges.

THIS WARRANTY DOES NOT COVER SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO DAMAGE TO OR REPLACEMENT OF OTHER EQUIPMENT AND PROPERTY. THE WARRANTY AND REMEDIES SET FORTH ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. DUE TO THE SPECIAL AND UNIQUE CONDITIONS THAT MAY EXIST IN EACH APPLICATION, THE MANUFACTURER SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO DEALER, AGENT OR EMPLOYEE IS AUTHORIZED TO MAKE ANY MODIFICATION, EXTENSION OR ADDITION TO THIS WARRANTY.

Some states do not allow exclusion of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other legal rights, which may vary from state to state.

FOR SERVICE CALL: 1.604.940.2010

